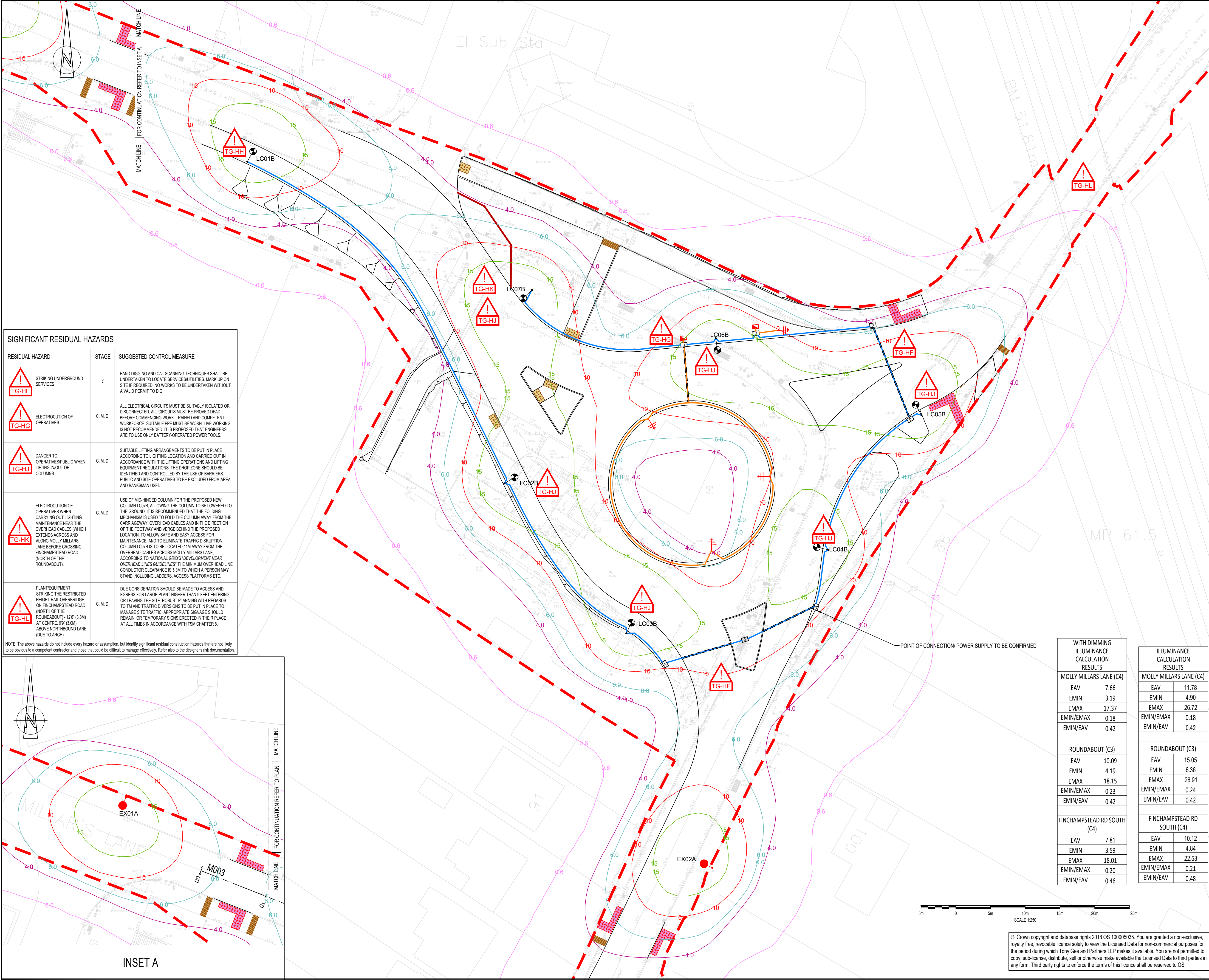
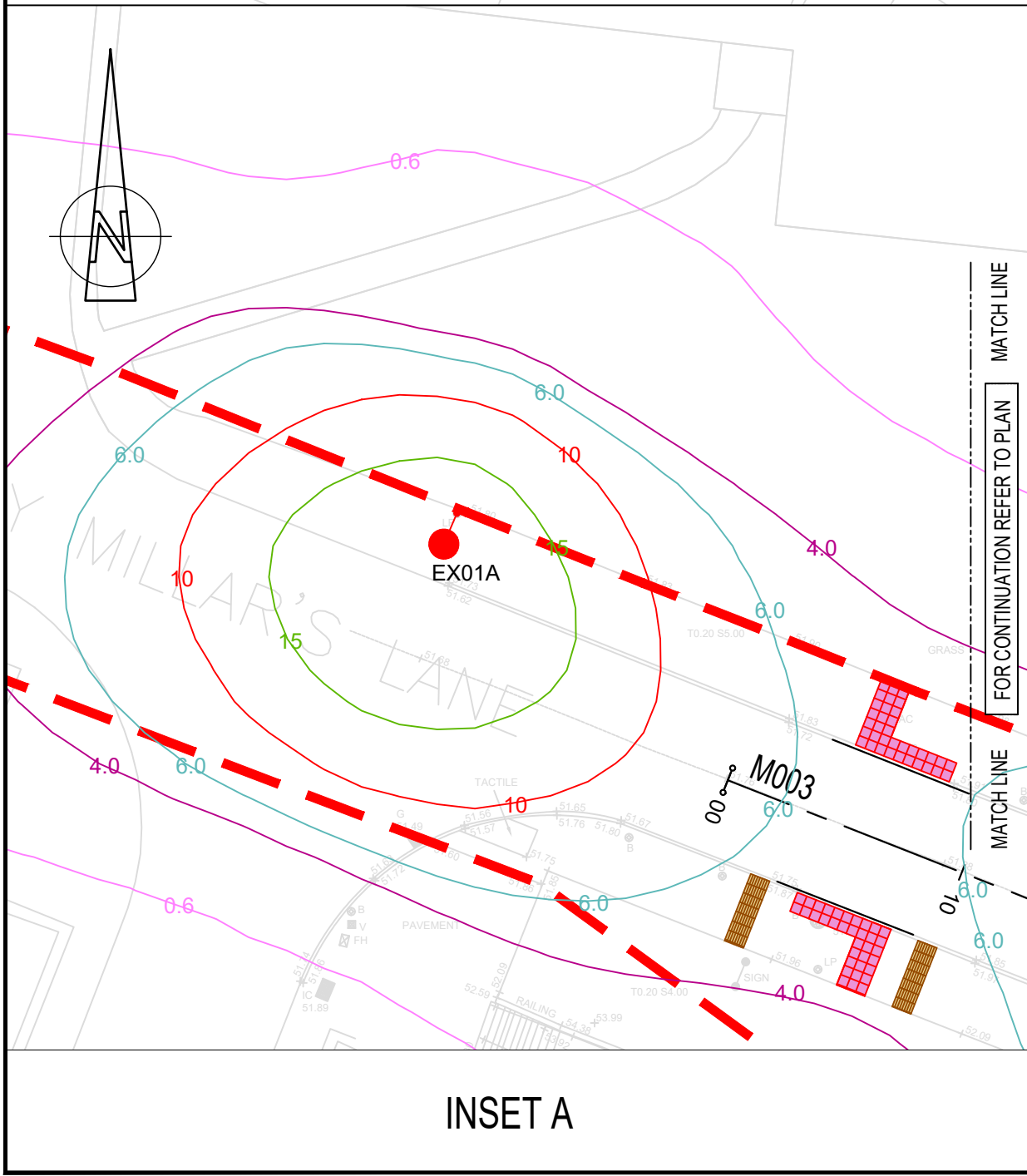




| SIGNIFICANT RESIDUAL HAZARDS                                                                                                                                                                                                                                                                    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESIDUAL HAZARD                                                                                                                                                                                                                                                                                 | STAGE   | SUGGESTED CONTROL MEASURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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 VALID PERMIT TO DIG.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ELECTROCUTION OF OPERATIVES                                                                                                                                                                                                                                                                     | C, M, D | ALL ELECTRICAL CIRCUITS MUST BE SUITABLY ISOLATED OR DISCONNECTED. ALL CIRCUITS MUST BE PROVED DEAD BEFORE COMMENCING WORK. TRAINED AND COMPETENT WORKFORCE. SUITABLE PPE MUST BE WORN. LIVE WORKING IS NOT RECOMMENDED. IT IS PROPOSED THAT ENGINEERS ARE TO USE ONLY BATTERY-OPERATED POWER TOOLS.                                                                                                                                                                                                                                                                                                                                                                                            |
| DANGER TO OPERATIVES/PUBLIC WHEN LIFTING IN/OUT OF COLUMNS                                                                                                                                                                                                                                      | C, M, D | SUITABLE LIFTING ARRANGEMENTS TO BE PUT IN PLACE ACCORDING TO LIGHTING LOCATION AND CARRIED OUT IN ACCORDANCE WITH THE LIFTING OPERATIONS AND LIFTING EQUIPMENT REGULATIONS. THE DROP ZONE SHOULD BE IDENTIFIED AND CONTROLLED BY THE USE OF BARRIERS. PUBLIC AND SITE OPERATIVES TO BE EXCLUDED FROM AREA AND BANKSMAN USED.                                                                                                                                                                                                                                                                                                                                                                   |
| ELECTROCUTION OF OPERATIVES WHEN CARRYING OUT LIGHTING MAINTENANCE NEAR THE OVERHEAD CABLES (WHICH EXTENDS ACROSS AND ALONG MOLLY MILLARS LANE BEFORE CROSSING FINCHAMPSTEAD ROAD (NORTH OF THE ROUNDABOUT)).                                                                                   | C, M, D | USE OF MID-HINGED COLUMN FOR THE PROPOSED NEW COLUMN LC07B, ALLOWING THE COLUMN TO BE LOWERED TO THE GROUND. IT IS RECOMMENDED THAT THE FOLDING MECHANISM IS USED TO FOLD THE COLUMN AWAY FROM THE CARRIAGEWAY, OVERHEAD CABLES AND IN THE DIRECTION OF THE FOOTWAY AND VERGE BEHIND THE PROPOSED LOCATION, TO ALLOW SAFE AND EASY ACCESS FOR MAINTENANCE, AND TO ELIMINATE TRAFFIC DISRUPTION. COLUMN LC07B IS TO BE LOCATED 11M AWAY FROM THE OVERHEAD CABLES ACROSS MOLLY MILLARS LANE. ACCORDING TO NATIONAL GRID'S 'DEVELOPMENT NEAR OVERHEAD LINES GUIDELINES' THE MINIMUM OVERHEAD LINE CONDUCTOR CLEARANCE IS 5.3M TO WHICH A PERSON MAY STAND INCLUDING LADDERS, ACCESS PLATFORMS ETC. |
| PLANT/EQUIPMENT STRIKING THE RESTRICTED HEIGHT RAIL OVERBRIDGE ON FINCHAMPSTEAD ROAD (NORTH OF THE ROUNDABOUT) - 125' (3.8M) AT CENTRE, 99' (3.0M) ABOVE NORTHBOUND LANE (DUE TO ARCH).                                                                                                         | C, M, D | DUE CONSIDERATION SHOULD BE MADE TO ACCESS AND EGRESS FOR LARGE PLANT HIGHER THAN 9 FEET ENTERING OR LEAVING THE SITE. ROBUST PLANNING WITH REGARDS TO TM AND TRAFFIC DIVERSIONS TO BE PUT IN PLACE TO MANAGE SITE TRAFFIC. APPROPRIATE SIGNAGE SHOULD REMAIN, OR TEMPORARY SIGNS ERECTED IN THEIR PLACE AT ALL TIMES IN ACCORDANCE WITH TSM CHAPTER 8.                                                                                                                                                                                                                                                                                                                                         |
| 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. |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



DO NOT SCALE

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

2. ALL LEVELS ARE IN METRES AOD UNLESS NOTED OTHERWISE.

3. DRAWINGS TO BE READ IN CONJUNCTION WITH LIGHTING DETAIL DRAWING WMHP-TG-WG2-DR-LI-1311-P01.

4. THE DESIGN APPLIES A MAINTENANCE FACTOR OF 0.83 FOR THE PROPOSED LIGHTING COLUMNS.

5. LIGHTING IS DESIGNED IN COMPLIANCE WITH WBC STREET LIGHTING SPECIFICATION GUIDE, DATED DECEMBER 2019.

LEGEND

PLANNING APPLICATION NUMBER 203535 RED LINE BOUNDARY

EXISTING LIGHTING COLUMNS AND LUMINAIRES TO BE RETAINED

10m COLUMN, 1m BRACKET WITH 1x PHILIPS LUMA MINI BGP621 DM11 12000lm NW 40 LED LUMINAIRE

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

ISOLATION PILLAR TO SUPPLY PRIVATE CABLE NETWORK

DUCTED LIGHTING CIRCUIT

2No. 100mm Ø DUCTS U.N.O.

900mm x 600mm DRAWPIIT

LUX CONTOURS

KEYPLAN

SWDR - WESTERN GATEWAY PHASE 2

P08

16/07/2024

JB

UPDATED FOR PLANNING CONDITION DISCHARGE

DJF

JC

P07

02/06/2022

HD

MATTERS OUTSTANDING WMHP-TG-WG2-RG-DM-0002

BH

JC

P06

22/02/2022

JPG

BACKGROUND UPDATED FOR SHARED USE FACILITY

BH

ARL

REV

DATE

BY

DESCRIPTION

CHK

APP

DRAWING STATUS:

SUITABLE FOR EXAMINATION

S8

DESIGNER:

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KT10 9QJ

Tel: 01372 461600

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CONTRACTOR:

CLIENT:

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Shute End, Wokingham, Berkshire RG40 1BN

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

PROJECT:

WOKINGHAM MAJOR HIGHWAYS PROGRAMME

SWDR WESTERN GATEWAY PHASE 2

TITLE:

ROUNDABOUT ENHANCEMENT

LIGHTING

PLAN

SCALE @ A1:

1:250

CHECKED:

JC

APPROVED:

ARL

PROJECT NO:

C118048

DESIGNED:

AJP

DRAWN:

JS

DATE:

February 21

DRAWING NO:

WMHP-TG-WG2-DR-LI-1301

REV:

P08

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