

| ILLUMINANCE CALCULATION |       |           |              |
|-------------------------|-------|-----------|--------------|
| MAINLINE (C4)           |       | RESULTS   | FOOTWAY (P5) |
| EAV                     | 11.09 | EAV       | 3.93         |
| EMIN                    | 4.40  | EMIN      | 0.65         |
| EMAX                    | 33.34 | EMAX      | 15.05        |
| EMIN/EMAX               | 0.13  | EMIN/EMAX | 0.04         |
| EMIN/EAV                | 0.40  | EMIN/EAV  | 0.17         |

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| SIGNIFICANT RESIDUAL HAZARDS              |       |                           |
|-------------------------------------------|-------|---------------------------|
| RESIDUAL HAZARD                           | STAGE | SUGGESTED CONTROL MEASURE |
| NO SIGNIFICANT RESIDUAL HAZARD IDENTIFIED |       |                           |

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. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH SPECIFICATION REFERENCE WMHP-TR-SRWG1-SP-L1301 AND DRAWING WMHP-TR-SRWG1-DR-L1321.
3. ROAD LIGHTING DESIGNED TO CE4 FOR THE MAINLINE DUE TO HORIZONTAL CURVE <50m 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 7.631km 51W USMSG LUMINAIRE. MF = 0.85
- ⊗ 8m COLUMN 1.5m BRACKET ARM, WITH 1x DW WINDSOR KIRIUM PRO2 48 LED 3k A1 CLO 400mA 7.631km 51W USMSG LUMINAIRE. MF = 0.85
- ⊙ 8m POST TOP COLUMN WITH 1x DW WINDSOR KIRIUM PRO2 48 LED 3k A5 CLO 750mA 15.861km 125W USMSG LUMINAIRE. MF = 0.85
- ⊙ 10m POST TOP COLUMN, WITH 1x DW WINDSOR KIRIUM PRO2 48 LED 3k A1 CLO 400mA 7.631km 51W USMSG LUMINAIRE. MF = 0.85
- ⊙ 10m POST TOP COLUMN WITH 1x DW WINDSOR KIRIUM PRO2 48 LED 3k A5 CLO 750mA 15.861km 125W USMSG LUMINAIRE. MF = 0.85
- ⊙ 6m POST TOP COLUMN WITH 1x DW WINDSOR KIRIUM PRO2 48 LED 3k C3 CLO 200mA 4.141km 27W USMSG LUMINAIRE. MF = 0.81
- ⊙ LUMINAIRE SPECIFIED IN EASTERN GATEWAY DESIGN PACKAGE  
2No. 50mm Ø ORANGE DUCTS U.N.O. FOR ELECTRICITY SUPPLY TO ILLUMINATED SIGN.  
DUCTED LIGHTING CIRCUIT.  
2No. 100mm Ø ORANGE DUCTS U.N.O.  
900mm x 600mm DRAWPIT.
- LUX CONTOURS.
- CONFLICT AREA.

**SHEET LOCATION PLAN**

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