

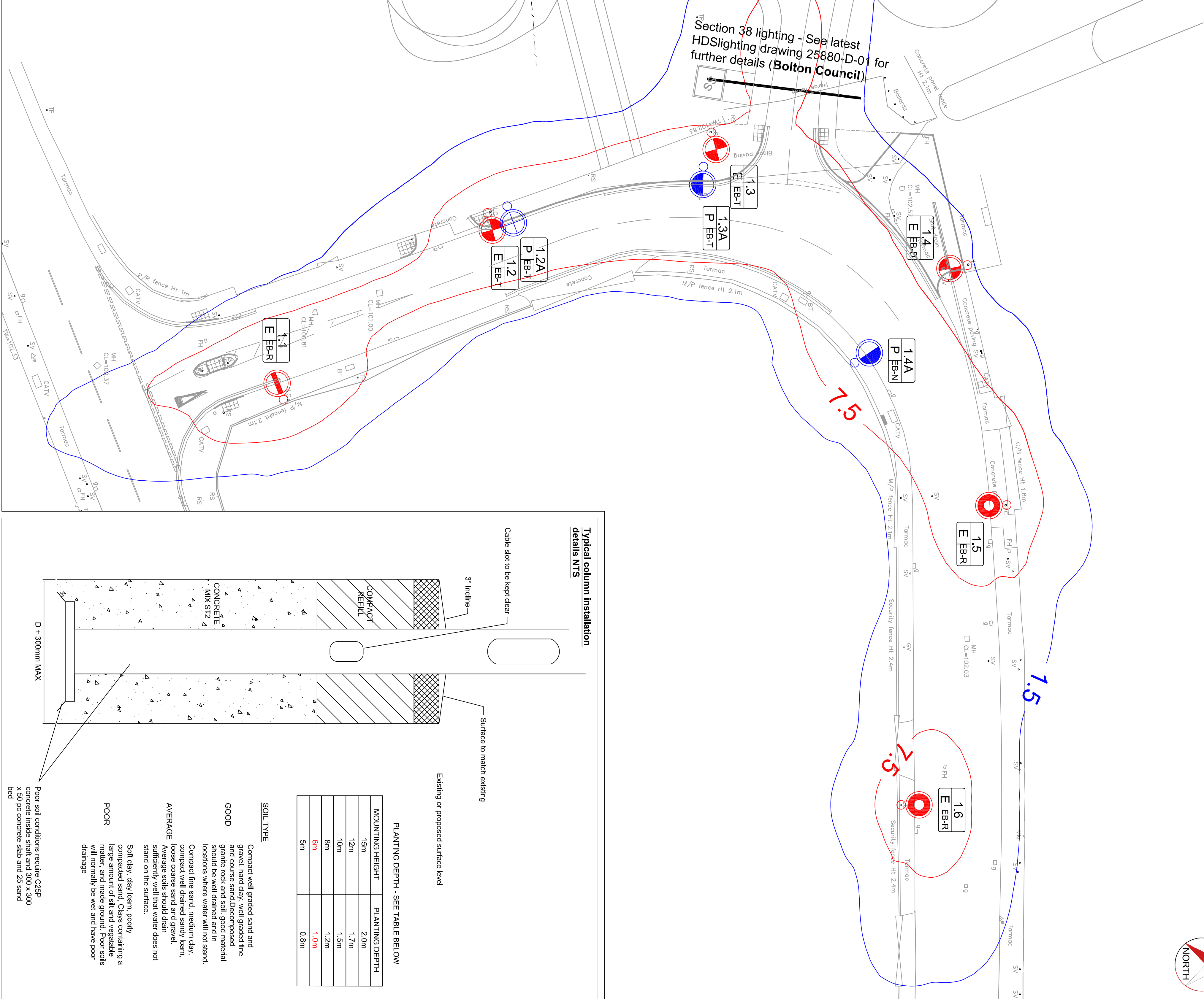


Table A.5 — Lighting classes for subsidiary roads

Traffic flow	Lighting class			
	E1 to E4A)	E1 to E2A)	E3 to E4A)	
	Pedestrian and cyclists only	Speed limit v ≤ 30 mph	Speed limit v ≤ 30 mph	
Busy B)	P5	P4	P3	
Normal C)	P5	p5	p4	
Quiet D)	P6	p5	P4	

NOTE 1 Table A.5 assumes no parked vehicles; see risk assessment in A.3.3.2.

NOTE 2 An EV lighting class using vertical illuminance, from BS EN 13201-2:2015, Table 6, can be specified in addition to the general lighting class when there are particular concerns about crime and personal safety. EV is calculated at the typical height of a human face (1.5m) and in relevant viewing orientations.

NOTE 3 To ensure adequate uniformity, the actual value of the maintained average illuminance is not to exceed 1.5 times the value indicated for the class.

NOTE 4 The actual overall uniformity of illuminance, U_o, needs to be as high as reasonably practicable (See 7.2.6).

NOTE 5 The ambient luminance descriptions E1 to P4 refer to the environmental zone as defined in ILP GNO1 [N2].

NOTE 6 The illuminance classes are suggested minimum levels. A risk assessment needs to be carried out ensure that the light levels are adequate, particularly for pedestrians and cyclists.

A) Environmental zone, as given in ILP GNO1 [N2].

B) Busy traffic flow refers to areas where the traffic usage is high and can be associated with local amenities such as clubs, shopping facilities, public houses, etc.

C) Normal traffic flow refers to areas where the traffic usage is of a level equivalent to a housing estate access road.

D) Quiet traffic flow refers to areas where the traffic usage is of a level equivalent to a residential road, and is mainly associated with the adjacent properties or properties on other equivalent roads accessed from this road.

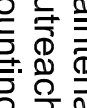
Notes

1. Column foundations to be as per Local Authority Standard Detail drawing.
2. All columns to be provided with Distribution Network Operator Services to Local Authority Standard Detail drawing, unless otherwise stated.
3. Column positions to be agreed on site with the Local Authority Street Lighting Engineer. All columns to be sited within the adoptable highway and generally in compliance with the current Local Authority Design Guide for Residential areas. Columns shall not be installed within dropped kerb areas.
4. Column numbering to be agreed with the Local Authority Street Lighting Engineer.
5. The Contractor is to provide Local Authority with as-built drawings, test certificates and column and lantern data sheets.
6. A list of proposed equipment is to be rendered by the contractor for approval by the Local Authority Street Lighting Engineer prior to the installation.
7. Ducting to be installed to satisfy the requirements of Distribution Network Operator.

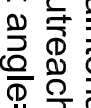
BoQ

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Philips BGP761_DM12_12000_40LED_5.1S_CLO_L90_CWlies
 lamp(s): LED-HB 5.1S CW
 candela file 'DigisStreetMini_BGP761_DM12_12000_40LED_5.1S_CLO_L90_CWlies'
 1 lamp(s) per luminaire, 6000 initial lumens per lamp
 Maintenance Factor = 0.740, watts per luminaire = 72
 Outreach (from mounting axis to photometric center)= 300 mm
 mounting height= 8 m
 number locations= 1, number luminaires= 1
 kw all locations= 0.1



BGP760_DW50
 lamp(s): LED-HB 5.1S CW
 candela file 'DigisStreetMicro_BGP760_DW50_6000_20LED_5.1S_CLO_L90_CWlies'
 1 lamp(s) per luminaire, 6000 initial lumens per lamp
 Maintenance Factor = 0.740, watts per luminaire = 37
 Outreach (from mounting axis to photometric center)= 300 mm
 mounting height= 6 m
 number locations= 2, number luminaires= 2
 kw all locations= 0.1



Philips BGP761_DM12_12000_40LED_5.1S_CLO_L90_CWlies
 lamp(s): LED-HB 5.1S CW
 candela file 'DigisStreetMini_BGP761_DM12_12000_40LED_5.1S_CLO_L90_CWlies'
 1 lamp(s) per luminaire, 12000 initial lumens per lamp
 Maintenance Factor = 0.740, watts per luminaire = 72
 Outreach (from mounting axis to photometric center)= 300 mm
 tilt angle= 5 deg
 mounting height= 8 m
 number locations= 2, number luminaires= 2
 kw all locations= 0.1

Key

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|----|---|---|----------------------------|
| 02 |  | Column: | Material: Galvalume Steel |
| | | Type: Tubular | Height: 5m |
| | | Ladder: | |
| | | Model: DigiMaster PH105 | Material: DigiMaster PH105 |
| | | OpSec: DM12 | |
| | | Mounting: Floor Top | Height: 2m |
| | | The 5 degree | |
| | | Photometry file: Sentry PH DM12 | |
| | | 12000, 40LED, 318, 10, 100, CW/les | |
| | | Power: 40Watt, 318, 100, CW/les | |
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FOR CONSTRUCTION

Taylor Wimpey plc

Stopes Road, Little Lever

SECTION 278

Proposed Lighting and Installation Design Layout

AS INDICATED
SS

Sheet 1 of 1 PD

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CONSULTATION, DESIGN & MANAGE

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