Road Lighting Design Illumination Levels

Key	Horizontal Illuminance			Locations	Standards	Table Ref No. / Lighting Class
	E_{av} (lx)	E_{min} (lx)	U_0 (%)			
	10	4	40%	Site Spine Road : Carriageway	BS-EN-13201 Part 2 : 2015	Table 2 / C4
	10	2	20%	Site Spine Road : 3m Shared Cycleway / Pavements	BS-EN-13201 Part 2 : 2015	Table 3 / P2
	10	2	20%	Site Spine Road : 2m Pavements	BS-EN-13201 Part 2 : 2015	Table 3 / P2

BS-EN-12464 Part 2 : 2014 Light and Lighting - Outdoor Work Places

Table 2: Obtrusive Light Limits : Environmental Zone E2

Low District Brightness Areas - Rural or Small Village Locations

	Pre-Curfew	Post-Curfew
Light On Properties Ev (lx)	5.0	1.0
Luminaire Intensity I (cd)	7,500	500
Upward Light Ratio R_{UL} (%)	5	
Luminance L_b Building Facade (cd/m^2)	5	
Luminance L_s Signs (cd/m^2)	400	

Road Lighting Controls Description:-

Access Spine Road : R3

1. Road Lighting Controls Will Be Via Individual Photocells Mounted On Each Lighting Luminaire To Automatically Control The Road Lighting Luminaires As Detailed Below:-
   a. 0% From Dawn Until Dusk
   b. 100% From Dusk Until Dawn

Future Development Plot

Indicative future access point (temporary stretch of path/verge)

Proposed Bus Stop shown indicatively

Indicative future access point (temporary stretch of path/verge)

Indicative future access point (temporary stretch of path/verge)

Proposed Site Entrance

Proposed Site Entrance

Relocated pedestrian crossing

Van Fueling

Van washing with canopy

LGV wash island with canopy

VMU Building (653m²)

Fuel Island

95 no. Van Bays (Incl 53 EV Spaces)

Sprinkler Tank and Pump House

Turning Circle

189 no. Car Parking Bays (inc 26 EV bays) plus 13 M/C Bays

21 no. Trailer Spaces

Service Yard

27 no. Tractor spaces

2 no. Trailer spaces

5 no. Trailer spaces

Transport Office

Existing Gatehouse

Proposed Unit 2

135 no. Car Parking Bays (inc 15 accessible bays + 24 EV bays)

Existing Service Yard Entrance Amended

Existing Totem Signage refurbished

Existing Car Park Entrance Amended

Existing Totem Signage refurbished

Pond

N

0 10 20 30 40

Scale Line (m)

No.	Date	Description	Drawn	Checked
3	14 10 26	FOR APPROVALS Updated To Suit THP Architects Revised Site Plan Drawing : [21588-2-THP-XX-XX-DR-A-0210-ProposedMasterplanP06]	TRF	JW
2	08 10 26	FOR APPROVALS Updated To Suit THP Architects Revised Site Plan Drawing : [21588-2-THP-XX-XX-DR-A-0211-ProposedSitePlanP05]	TRF	JW
1	16 09 26	FOR APPROVALS	TRF	JW

Hannan Associates
MEP Design Solutions

Hannan Associates Ltd
Beta House
Alphagate Drive
Manchester Road
Denton
M34 3SH
Tel : + 44 (0)161 337 2200
Email : info@hannan-uk.com
Web : www.hannan-uk.com

Client: TRITAX BIG BOX

Project: Unit 02, Tritax Park, Merseyside
Occupier Fit-Out Works

Design Stage: Planning

Drawing Title: Site Plan Phase 3 Site Road R3
External Lighting Design Strategy

HAN Project Number: 4158 | Scale @ A0: 1:500

Drawing Number: 4158 - HAN - PL - R3 - D - E - 006340

This drawing is the property of Hannan Associates. It must not be copied or lent to any third party without the written consent of Hannan Associates, and must be returned upon request.