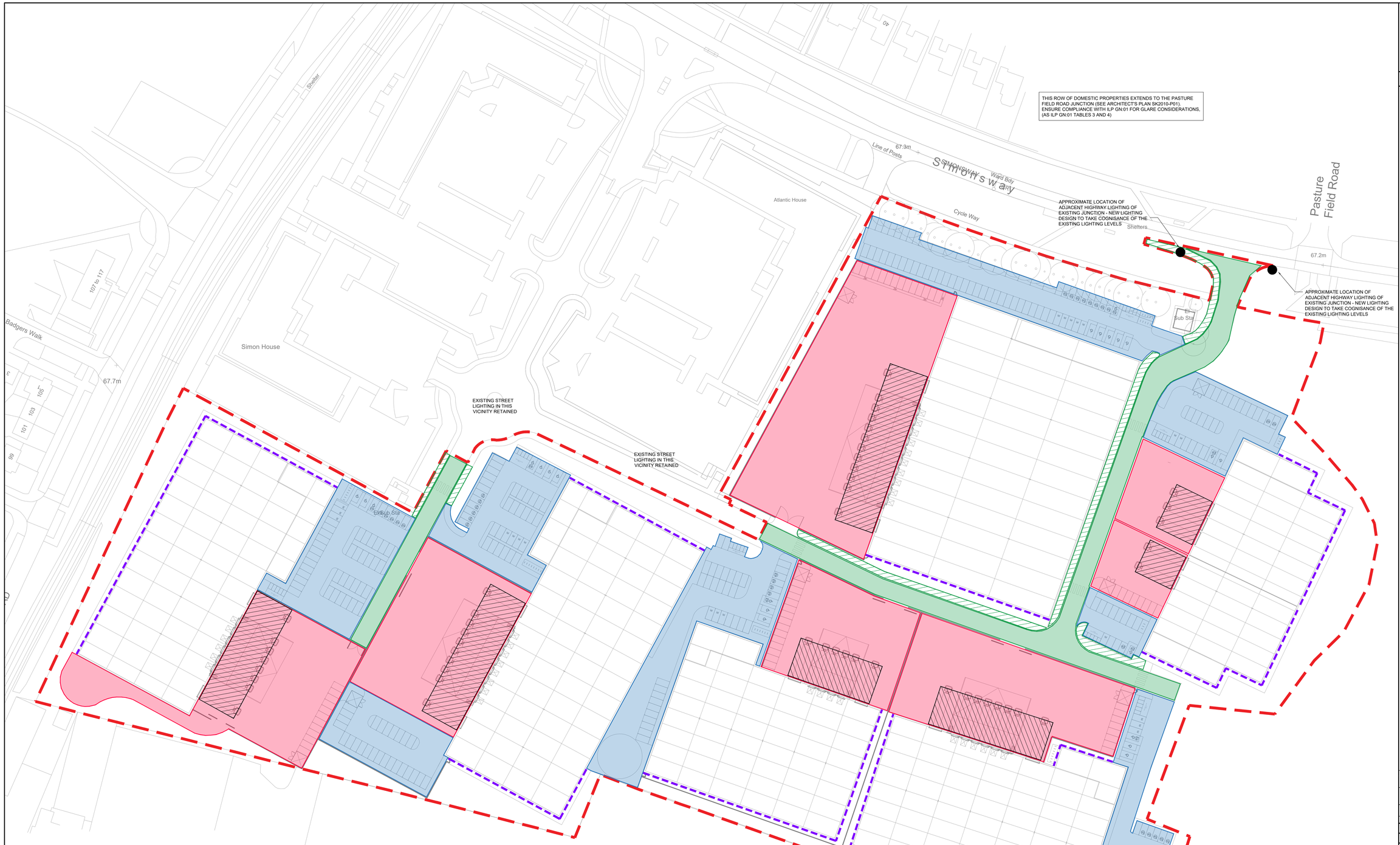


DENOTES LANDLORD ACCESS ROAD LIGHTING FROM COLUMN MOUNTED LUMINAIRES.
10 LUX, Uo 0.4.

ELECTRICAL SUPPLY FROM LANDLORD LV DISTRIBUTION.

CONTROL BY TIMECLOCK AND PHOTOCELL.

DENOTES TENANT UNIT CAR PARKING LIGHTING FROM COLUMN MOUNTED LUMINAIRES.
10 LUX, Uo 0.4.
(SUPPLEMENTED WITH WALL BULKHEAD AS REQUIRED).

ELECTRICAL SUPPLY FROM TENANT LV DISTRIBUTION.

CONTROL BY TIMECLOCK AND PHOTOCELL.

DENOTES TENANT SERVICE YARD LIGHTING FROM COLUMN MOUNTED LUMINAIRES AND BUILDING MOUNTED FLOODLIGHTING.
20 LUX, Uo 0.4.

ELECTRICAL SUPPLY FROM TENANT LV DISTRIBUTION.

CONTROL BY TIMECLOCK AND PHOTOCELL.

DENOTES TENANT LOADING BAY LIGHTING FROM BUILDING MOUNTED FLOODLIGHTING.
50 LUX, Uo 0.4.
THIS PROVIDES LOCAL BOOST TO THE TENANT SERVICE YARD LIGHTING.

ELECTRICAL SUPPLY FROM TENANT LV DISTRIBUTION.

CONTROL BY MANUAL ON/OFF SWITCHING IN TENANT UNIT.

DENOTES LANDLORD ACCESS WALKWAY LIGHTING FROM ADJACENT LANDLORD ACCESS ROAD COLUMN MOUNTED LUMINAIRES.
5 LUX, Uo 0.2.

ELECTRICAL SUPPLY FROM LANDLORD LV DISTRIBUTION.

CONTROL BY TIMECLOCK AND PHOTOCELL.

DENOTES BUILDING PERIMETER LIGHTING FROM WALL MOUNTED BULKHEAD LUMINAIRES.
5 LUX, Uo 0.2 - FOR 2.5m WALKWAY.

ELECTRICAL SUPPLY FROM TENANT LV DISTRIBUTION.

CONTROL BY TIMECLOCK AND PHOTOCELL.

GENERAL REQUIREMENTS NOTES
SITE LOCATION IS AS ENVIRONMENTAL ZONE E3 - *'WELL INHABITED RURAL AND URBAN SETTLEMENTS, SMALL TOWN CENTRES OF SUBURBAN LOCATIONS'*

THE EXTERNAL LIGHTING SCHEME IS TO BE COMPLAINT WITH ILP GN:01 (2026) 'THE AVOIDANCE OF OBTRUSIVE LIGHT'.

DESIGN LUX LEVELS ARE TO BE COMPLIANT WITH BS12464-2:2024.

CO-ORDINATE ALL BUILDING MOUNTED LUMINAIRES WITH THE ARCHITECTURAL ELEVATIONS.

THIS SITE IS UNDER THE FLIGHT PATH FOR MANCHESTER AIRPORT, THEREFORE COMPLIANCE IS REQUIRED TO 'COMBINED AERODROME SAFEGUARDING TEAM' ADVICE NOTES, AND FULL CALCULATION PACK AND LAYOUT DETAILS ARE TO BE PROVIDED TO MANCHESTER AIRPORT GROUP FOR REVIEW.

THE LUMINAIRES USED SHOULD CONFORM TO THE INSTALLED INTENSITY REQUIREMENTS OF BS EN 13201-2:2003, CLASS G4, OR A HIGHER CLASS.

ALL EXTERNAL LIGHTING TO BE 2700K, AND Ra/CRI MIN 70.

THE STAGE 4 DESIGN SHALL INCORPORATE ANY APPLICABLE REQUIREMENTS OF THE PROJECT ECOLOGIST.

EXTERNAL LIGHTING TO INCLUDE EMERGENCY LTG FUNCTION AS REQUIRED BY THE PROJECT FIRE ENGINEER, E.G. FOR EXTERNAL ESCAPE ROUTES TO MUSTER POINT(S).

LIGHTING COLUMNS TO BE EN40 RATED AND RAISE/LOWER TYPE TO ENABLE EASE OF MAINTENANCE.

LIGHTING COLUMNS IN SERVICE YARDS OR PARKING AREAS ARE TO BE COMPLETE WITH VEHICLE BARRIERS, TO PREVENT MECHANICAL DAMAGE FROM VEHICLES.

This drawing is for engineering services only and is to be read in conjunction with all relevant architectural, structural, Waterman Building Services drawings and the contract specification.

THIS IS NOT AN INSTALLATION DRAWING

All service routes and equipment locations are indicative, actual location to be determined from site dimensions.

To whom it may concern. The requirements of the Health & Safety at Work etc. Act 1974 & subsequent amendments thereto are brought to the attention of all those who design, install or maintain the plant and equipment shown on these drawings or who are required to enter the areas shown on these drawings.

DO NOT SCALE FROM THIS DRAWING

GENERAL NOTES

1. THE DETAILS SHOWN ON THIS DRAWING ARE INDICATIVE OF GENERAL INTENT ONLY, AND ARE BASED ON THE M&E PERFORMANCE SPECIFICATION WHICH TAKES PRECEDENCE. THIS DRAWING DOES NOT PURPORT TO OFFER A DESIGN SOLUTION BUT IS PROVIDED AS ASSISTANCE TO THE CONTRACTOR, WHO SHALL BE EXPECTED TO DEMONSTRATE COMPLIANCE WITH THE GENERAL DRAWING INTENT. THIS DRAWING IS SUBJECT TO DESIGN DEVELOPMENT AS PART OF THE CONTRACTOR'S FINAL 'DESIGN AND BUILD' DETAILED DESIGN.
2. ANY QUANTITIES, SIZES OR CAPACITIES SHOWN ON THIS DRAWING ARE INDICATED TO DEMONSTRATE THE GENERAL INTENT, SCOPE AND QUALITY REQUIRED FROM THE D&B CONTRACTOR'S DETAILED DESIGN.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL ELECTRICAL SERVICES, MECHANICAL SERVICES, ARCHITECTURAL AND STRUCTURAL DRAWINGS, SPECIFICATIONS AND ROOM DATA SHEETS. AS WELL AS OTHER PROJECT REQUIREMENTS E.G. BREEAM, PLANNERS, BUILDING CONTROL, FIRE ALARM AND SECURITY SPECIALIST, IT SPECIALIST ETC.
4. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE EXTERNAL LIGHTING STRATEGY - OUTLINE LAYOUT DRAWING (15710-WAT-XX-00-DR-E-60131) FOR INITIAL INDICATIVE LIGHTING LAYOUT.

Rev	Date	Description	By	Che
P04	14.08.26	ISSUED FOR INFORMATION - ADDED RECOGNITION OF EXISTING HIGHWAYS LIGHTING INDICATED AT NEW BELLMOUTH JUNCTION AT SIMONSWAY	MP	DH
P03	06.08.26	ISSUED FOR INFORMATION - GENERAL REQUIREMENTS NOTES LIST AMEND TO SPECIFICALLY MENTION ILP GN:01	MP	DH
P02	29.07.26	ISSUED FOR INFORMATION - BASE PLAN UPDATED. ZONES AMENDED TO SUIT	MP	DH
P01	14.07.26	ISSUED FOR INFORMATION	MP	DH

Amendments

Project
ATLAS PARK

Title
ELECTRICAL SERVICES
EXTERNAL LIGHTING STRATEGY
PERFORMANCE REQUIREMENTS

Client
AVIVA

waterman
Victoria Wharf 4 The Embankment Leeds LS1 4BA
t 0113 256 3322
mail@watermangroup.com www.watermangroup.com

Work Stage: STAGE 2 (CONTROL GATE) — RIBA
Suitability: INFORMATION — S2

Designed By	MP	Director	RM
Drawn By	CAD	Date	JULY 2026
Waterman Ref			BSD 15710
Scales @ A0			1:500

Project | Originator | Functional | Spatial | Form | Role | Number — Revision
15710-WAT-XX-00-DR-E-60130 — P04

File Path: U:\Projects\BSD\15710\03 BIM\06 Electrical\02 Shared\

x - Proposed Site Layout