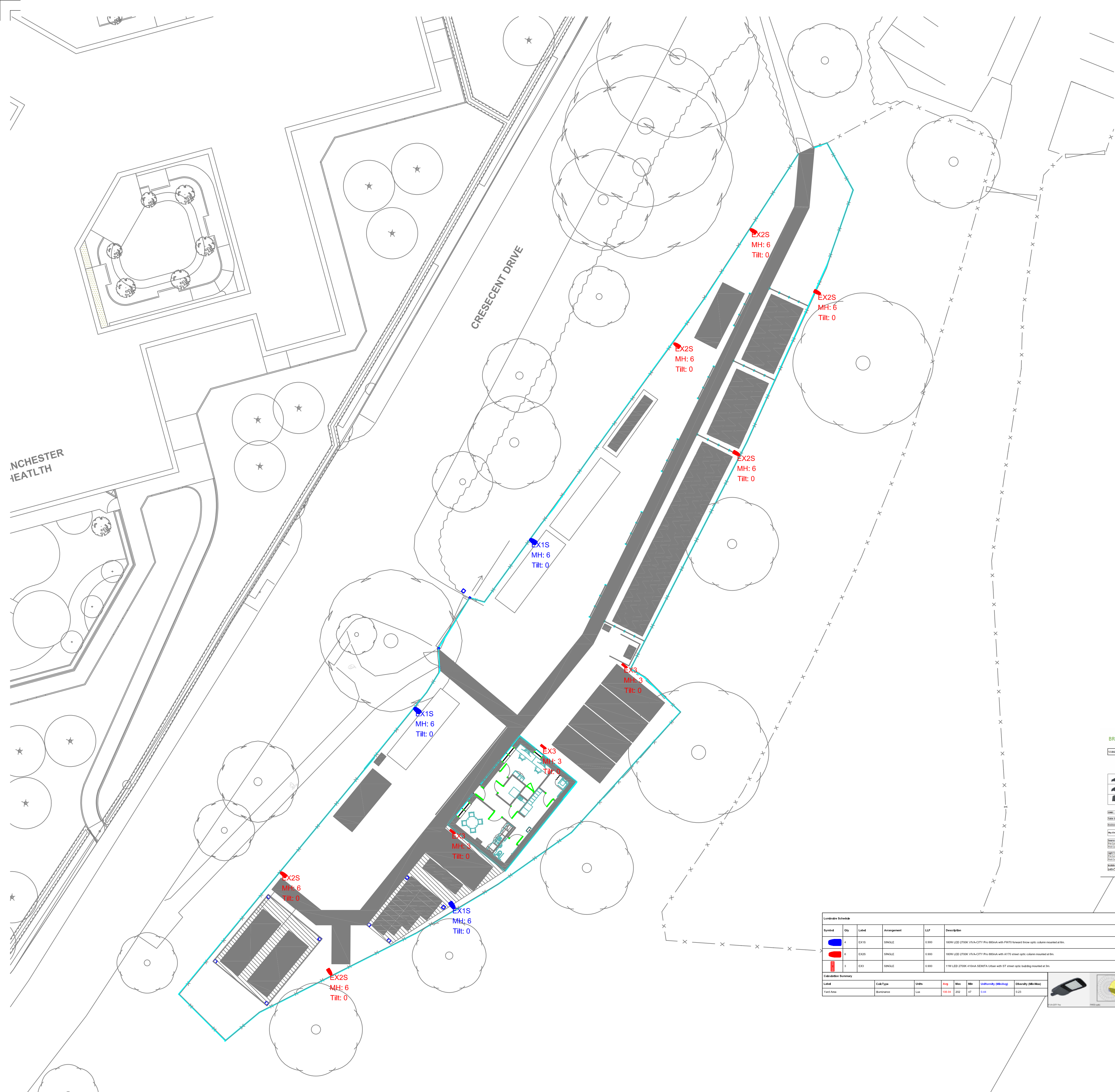




KEY/LEGEND/NOTES

ALL LUMINAIRES TO BE CONTROLLED BY ASTRONOMICAL TIMECLOCK (SELF ADJUSTING) WITH PHOTOCELL AND OVERRIDE SWITCH

LIGHTING TO ULOR SLL Guide L09 & BSEN 12464

THE PROPOSED SITE LOCATION IS WITHIN THE NMCH BOUNDARY AND IT HAS BEEN ASSESSED THAT THE SITE AND ITS SURROUNDINGS CAN BE CATEGORISED WITHIN ILP ENVIRONMENTAL ZONE E3. THE CATEGORY APPLIES TO WELL INHABITED RURAL AND URBAN SETTLEMENTS, SMALL TOWN CENTRES OF SUBURBAN LOCATIONS.

THE LIGHTING DESIGN/STRATEGY PROPOSED HAS BASED ON THE ECOLOGY REPORT SEEKING TO MINIMISE LEVELS OF LIGHTING AND MINIMISE THE EFFECTS OF OBTRUSIVE LIGHTING ON VULNERABLE AREAS.

GUIDANCE ON OBTRUSIVE LIGHT IS SET OUT WITHIN THE FOLLOWING GUIDANCE DOCUMENTS. FURTHER DETAIL IS PROVIDED IN APPENDIX A:

- COMMISSION INTERNATIONALE DE L'ECLAIRAGE (CIE) 150:2002
- CIE 150:1997. GUIDELINES FOR MINIMISING SKY GLOW
- THE INSTITUTION OF LIGHTING PROFESSIONALS (I.L.P.) GUIDANCE NOTES FOR THE REDUCTION OF OBTRUSIVE LIGHT, 2011
- I.L.P. PROFESSIONAL LIGHTING GUIDE 04: GUIDANCE ON UNDERTAKING ENVIRONMENTAL LIGHTING IMPACT ASSESSMENTS, 2013

A DESKTOP REVIEW OF THE SITE AND SURROUNDING AREA HAS BEEN UNDERTAKEN TO IDENTIFY AREAS WHICH ARE LIGHT SENSITIVE AND TO ESTABLISH THE APPROPRIATE ILP ENVIRONMENTAL ZONE CLASSIFICATION FOR THE APPLICATION SITE AS DEFINED BY THE ILPS GUIDANCE NOTES FOR OBTRUSIVE LIGHT (2011).

THE APPLICATION SITE AND ITS SURROUNDINGS HAVE BEEN IDENTIFIED FROM MAPS AS A SUBURBAN AREA. AS IT HAS BEEN IDENTIFIED THAT THE LIGHTING MAY AFFECT THE LOCAL WILDLIFE IT HAS BEEN THOUGHT THAT THE SITE WILL BE CATEGORISED AS ILP ENVIRONMENTAL ZONE E3 AS SET OUT IN ILP GUIDANCE NOTES FOR THE REDUCTION OF OBTRUSIVE LIGHT (2011). (SEE APPENDIX A).

Document	Version	Author	Revision
01	1.0	Kingfisher Lighting	Initial Design
02	1.1	Kingfisher Lighting	Revised Design
03	1.2	Kingfisher Lighting	Final Design
04	1.3	Kingfisher Lighting	Final Design
05	1.4	Kingfisher Lighting	Final Design



Part of the Luceco PLC group of companies

BREEAM New Construction 2018 (UK)											
North Manchester General Hospital (completing)											
Category	Requirement	Yes	No	Range	Light Source	Installed Luminaire	Wattage (W)	Wattage (W)	Wattage (W)	Wattage (W)	Wattage (W)
Lighting	Lighting	Yes	No	Range	Light Source	Installed Luminaire	Wattage (W)	Wattage (W)	Wattage (W)	Wattage (W)	Wattage (W)
Lighting	Lighting	Yes	No	Range	Light Source	Installed Luminaire	Wattage (W)	Wattage (W)	Wattage (W)	Wattage (W)	Wattage (W)
Lighting	Lighting	Yes	No	Range	Light Source	Installed Luminaire	Wattage (W)	Wattage (W)	Wattage (W)	Wattage (W)	Wattage (W)

Luminaire Schedule									
Symbol	Qty	Label	Arrangement	LLP	Description	Luminaire LxH	Lum. Lumens	Wattage	TM65 & TM65 Information
	4	EX1S	SINGLE	0.000	100W LED 2700K 100W CCT1 Pro 100W with 100W forward throw optic column mounted at 6m	100	2500	0.00	TM65 Embedded Carbon = 100W CCT1 - TM65 Circular Economy Score = 2.3 (2.5-4.5 Excellent Circularity)
	8	EX2S	SINGLE	0.000	100W LED 2700K 100W CCT1 Pro 100W with 100W forward throw optic column mounted at 6m	100	2500	0.00	TM65 Embedded Carbon = 100W CCT1 - TM65 Circular Economy Score = 2.3 (2.5-4.5 Excellent Circularity)
	3	EX3	SINGLE	0.000	100W LED 2700K 100W CCT1 Pro 100W with 100W forward throw optic column mounted at 6m	100	2500	0.00	TM65 Embedded Carbon = 100W CCT1 - TM65 Circular Economy Score = 2.3 (2.5-4.5 Excellent Circularity)

Calculation Summary						
Label	Calc Type	Units	Exp	Max	Min	Usability (Min/Max)
Total Area	Buildings	Lm	140.00	202	47	0.45



SAFETY HEALTH AND ENVIRONMENTAL INFORMATION BOX			
Construction Risks			
- LIVE EXISTING UTILITIES/CUTTING OF SURFACE, SLIPS,TRIPS& FALLS			
- ECOLOGY, NOISE			
Maintenance/Cleaning Risks			
- Enter text here / Delete text where necessary			
- Enter text here / Delete text where necessary			
Demolition/Adaption Risks			
- ENSURE ALL EXISTING SERVICES ARE PROVEN TO BE DEAD/DE-ENERGISED			
-			
In addition to the hazards / risks normally associated with the type of work detailed on this drawing - the contractor is to take note of the above & also the hazards identified in the risk assessment document. It is assumed that all works detailed on this drawing will be performed by a competent contractor working, where appropriate, to an approved method statement.			

Rev	Date	Description	SD/ISD	RC	SD
0	14/06/24	PLANNING ISSUE	SD/ISD	RC	SD

COPYRIGHT: THE COPYRIGHT OF THIS DRAWING IS VESTED IN CLANCY CONSULTING. IT SHALL NOT BE USED WITHOUT PERMISSION BY ANYONE FOR ANY PURPOSE. DO NOT SCALE THIS DRAWING ELECTRONICALLY OR MANUALLY. WORK TO FIGURED DIMENSIONS ONLY. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE. DO NOT TURN ON LAYERS THAT HAVE BEEN TURNED OFF. DO NOT TURN LAYERS THAT HAVE BEEN FROZEN. DRAWING MUST BE PRINTED IN BLACK AND WHITE ONLY.

Client	NHS Manchester University
Project	WP1-Waste Compound Relocation
Office	Manchester
Discipline	MEP
Title	COLUMN LIGHTING LOCATIONS

Scale @ A1	1:200	Status	PLANNING
------------	-------	--------	----------



www.clancy.co.uk

Project No.	Originator	Building/Zone	Level
7-10724	CCL	XX	XX
Type	Discipline	Drawing No.	Revision
DR	MEP	6301	0