



- NOTES:**
- DO NOT SCALE THIS DRAWING.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH 23620-CALC-0201, ALL OTHER RELEVANT ENGINEERS, ARCHITECTS AND SPECIALIST DESIGN DRAWINGS AND DETAILS.
 - ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY SERVICE APPARATUS IN THE VICINITY OF THE WORKS. THE CLIENT WILL ACCEPT NO CLAIMS WHATSOEVER IN RESPECT OF ANY LOSSES OR DAMAGE CAUSED IN RESPECT OF SUCH APPARATUS, HOWEVER CAUSED.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXECUTE THE WORKS AT ALL TIMES IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE HEALTH AND SAFETY AT WORK ACT 1974, AND THE C.D.M. REGULATIONS 2015. THE CONTRACTOR WILL BE DEEMED TO HAVE ALLOWED FOR FULL COMPLIANCE, WITHIN THEIR RATES.
 - THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL WORKS ARE TO THE SATISFACTION OF THE ENGINEER, AND SHALL BE DEEMED TO HAVE INCLUDED WITHIN THEIR RATES FOR ANY NECESSARY TESTING.
 - MOST RECENT UTILITY DRAWINGS MUST BE VIEWED BEFORE WORKS COMMENCE.
 - DRAWING TO BE PRINTED IN COLOUR.

STREET LIGHTING KEY

L**	PROPOSED LIGHTING BOLLARD COLUMN HEIGHT: 1.2m LANTERN MANUFACTURER: DW WINDSOR LANTERN NAME: PHAROLA QUANTITY 2 LAMP TYPE: LED 3000K WARM WHITE WATTAGE: 10W OPTIC: ASYMMETRICAL 0.43KLM
L**	PROPOSED WALL LIGHT MOUNTING HEIGHT: 4/6m LANTERN MANUFACTURER: DW WINDSOR LANTERN NAME: SEPHORA WALL QUANTITY 2 INCLINATION: 0° LAMP TYPE: 16LED 3000K WARM WHITE WATTAGE: 12W OPTIC: 300mA CLEAR NARROW 1.69KLM
L**	PROPOSED FLOODLIGHT MOUNTING HEIGHT: 6m LANTERN MANUFACTURER: DW WINDSOR LANTERN NAME: SABRE QUANTITY 1 INCLINATION: 0° LAMP TYPE: 32LED 3000K WARM WHITE WATTAGE: 56W OPTIC: C2 550mA 6.4KLM
L**	PROPOSED DOWNLIGHT FROM ROOF LANTERN MANUFACTURER: THORN LIGHTING LANTERN NAME: D-CO LED MINI LAMP TYPE: LED 3000K WARM WHITE QUANTITY 6 WATTAGE: 1W OPTIC: 0.06KLM
	25.0 LUX ISO CONTOUR
	20.0 LUX ISO CONTOUR
	10.0 LUX ISO CONTOUR
	5.0 LUX ISO CONTOUR
	1.4 LUX ISO CONTOUR
	SITE BOUNDARY

ROAD LIGHTING SETTING OUT SCHEDULE

BOLLARD REF:	X	Y	HEIGHT
L01	454505.01	297455.30	6m
L02	454512.63	297442.53	4m
L03	454521.08	297456.71	6.5m
L04	454527.35	297452.33	CONNECTED TO ROOF
L05	454526.36	297450.08	CONNECTED TO ROOF
L06	454525.66	297447.99	CONNECTED TO ROOF
L07	454524.63	297445.72	CONNECTED TO ROOF
L08	454523.52	297443.40	CONNECTED TO ROOF
L09	454522.19	297440.37	CONNECTED TO ROOF
L10	454529.10	297441.83	1.2m
L11	454537.61	297452.48	1.2m

STREET LIGHTING SPECIFICATION:

- PRIVATE STREET LIGHTING DESIGN TO DISCHARGE CONDITION 4 OF PLANNING APPLICATION 23-0385-FUL WHICH HAS BEEN DESIGNED WITH BS 5489-1:2020 & BS EN 12464-2-2014 DELIVERY ENTRANCE LIT TO EAV 20LUX AND WALK WAYS LIT TO EAV 5LUX.
- ONLY RECOGNISED LIGHTING CONTRACTORS SHALL BE USED FOR STREET LIGHTING AND ILLUMINATED SIGN AND BOLLARDS INSTALLATION WORKS. THEY SHALL BE APPROVED BY THE OVERSEEING ORGANISATION. THEY MUST ALSO BE MEMBERS OF THE ASLEC AND HERS. CURRENT MEMBERSHIP NUMBERS FOR THESE BODIES MUST BE PROVIDED TO THE SUPERVISING AUTHORITY PRIOR TO APPROVAL OF THE PROPOSED LIGHTING CONTRACTOR. THE APPROVED LIGHTING CONTRACTOR SHALL NOT SUB-CONTRACT ANY PART OF THE WORKS.
- ALL MATERIALS SHALL BE TO THE RELEVANT BRITISH STANDARD. SITE WORKS SHALL COMPLY IN GENERAL WITH DEPARTMENT OF TRANSPORT SPECIFICATION FOR HIGHWAY WORKS, AND SHALL ALSO CONFORM TO:
 - THE ELECTRICITY AT WORK REGULATIONS (1989)
 - THE HEALTH AND SAFETY AT WORK ACT
 - CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL
 - THE CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS 2002
 - THE CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2015
- ERECTION AND INSTALLATION WORKS SHALL COMPLY WITH THE CURRENT ISSUE AND AMENDMENTS OF BS7671: 17TH EDITION IET WIRING REGULATIONS 2008 REQUIREMENTS FOR ELECTRICAL INSTALLATIONS, THE CURRENT EDITION OF THE ILE CODE OF PRACTICE FOR ELECTRICAL SAFETY IN PUBLIC LIGHTING OPERATION AND THE CODE OF PRACTICE FOR THE ERECTION OF STREET LIGHTING PUBLISHED BY THE ASSOCIATION OF STREET LIGHTING ELECTRICAL CONTRACTORS.
- BOLLARDS:** DW WINDSOR PHAROLA ASYMMETRICAL LED BOLLARD, 0.43KLM 3000K WARM WHITE, 1.2m GALVANISED STEEL BOLLARD. BOLLARDS SHALL COMPLY WITH BS EN 40.
- FLOODLIGHT:** DW WINDSOR SABRE 32LED 3000K WARM WHITE 56W 550mA C2 6.42KLM
- WALL LIGHT:** DW WINDSOR SEPHORA WALL LIGHT 16LED 3000K WARM WHITE 12W CLEAR NARROW OPTIC 1.69KLM
- ROOF DOWNLIGHTS:** THORN LIGHTING DOWNLIGHTS D-CO MINI LED 3000K WARM WHITE 0.06KLM
- CONTROL UNIT:** SWITCH CONTROL WITHIN THE BUILDING AS WELL AS TIMERS TO ENSURE LIGHTS ON ONLY WHEN NEEDED.
- MAINTENANCE FACTOR:** 0.96

REV	AMENDMENTS	NA	AW	TR	23.11.23
1	FIRST ISSUE				
PROJECT: PROPOSED DEVELOPMENT AT TRENT FURNITURE, REGENT STREET NARBOROUGH					
DRAWING TITLE: LIGHTING LAYOUT					
CLIENT: TRENT FURNITURE LTD					
DRAWING NUMBER: 23620_02_100_01					
REVISION:	SHEET SIZE:	SCALE:			
-	A1	1:200			
STATUS: FOR INFORMATION / APPROVAL					
M-EC Consulting Development Engineers		Telephone: 01530 264 753 Email: group@m-ec.co.uk Website: www.m-ec.co.uk			
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