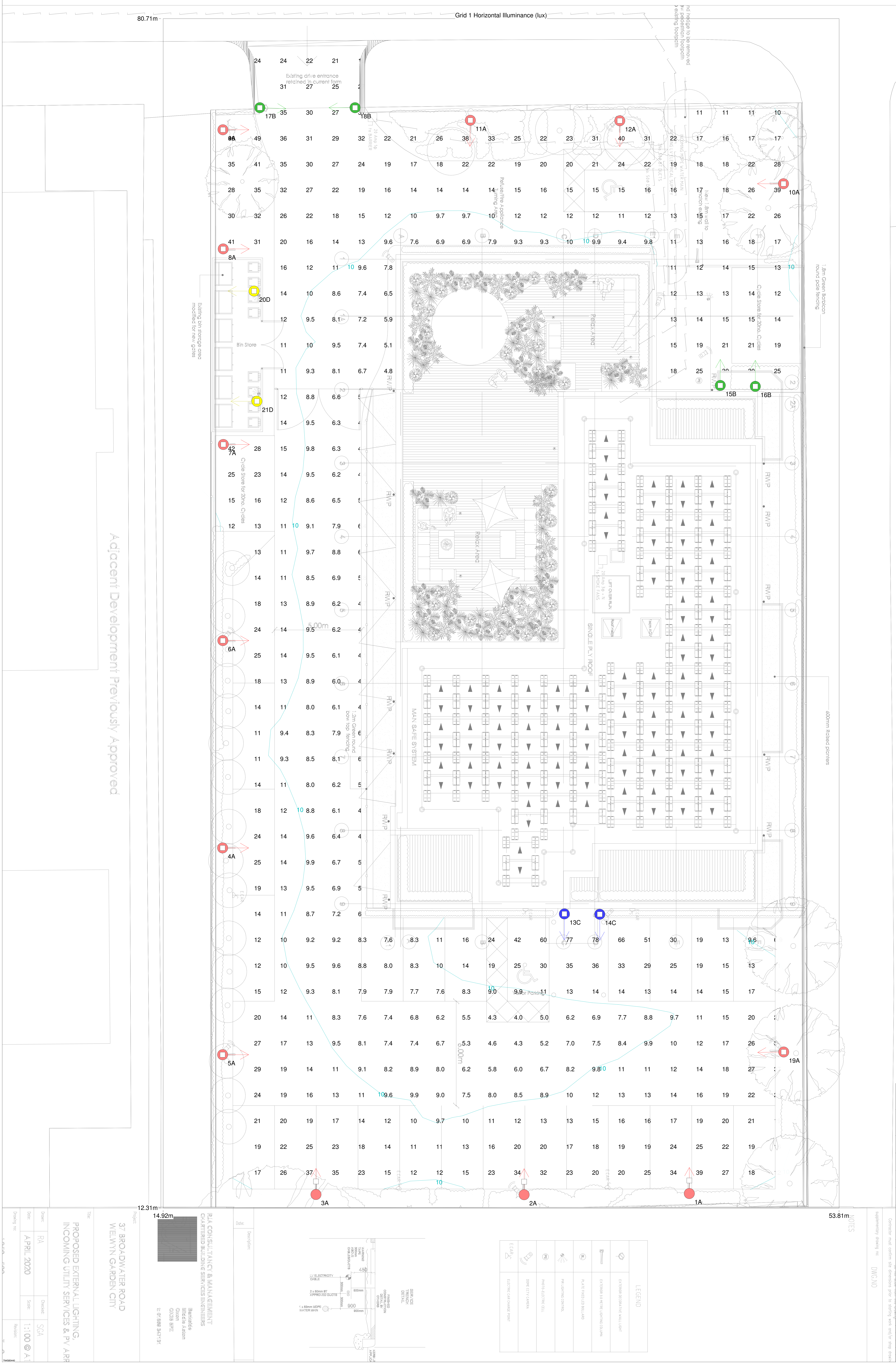
Grid 1 Horizontal Illuminance (lux)
80.71m
12.31m
14.92m
53.81m
Existing drive entrance retained in current form
20 Amp 1φ to BARRIER
Refuse/Fire Appliance Turning Area
2No. 50φ BT DUCTS
INCOMING MDPE WATER MAIN
INCOMING LV ELECTRICAL SUPPLY
New 1.8m wall to match existing
nd hedge to be removed
w pedestrian footpath
o existing footpath
1.8m Green Barbican round pale fencing
Cycle Store for 20no. Cycles
Relax Area
Existing bin storage area modified for new gates
Bin Store
Adjacent Development Previously Approved
5.00m
6.00m
1.2m Green round bow top fencing
MAN SAFE SYSTEM
SINGLE PLY ROOF
LIFT OVER RUN
20 Amp 3φ + N to SMOKE FANS
Roof Hatch
1sqm AOV
RWP
600mm Raised planters
Visitor Parking
E.CAR
17B
18B
11A
12A
9A
10A
8A
20D
21D
7A
6A
4A
5A
15B
16B
13C
14C
19A
3A
2A
1A
24 24 22 21
31 27 25
35 30 27 11 11 11 10
46 49 36 31 29 32 22 21 26 38 33 25 22 23 31 40 31 22 17 16 17 17
35 41 35 30 27 24 19 17 18 22 22 19 20 20 21 24 22 19 18 18 22 28
28 35 32 27 22 19 16 14 14 14 14 15 16 15 15 15 16 16 17 18 26 39
30 32 26 22 18 15 12 10 9.7 9.7 10 12 12 12 12 11 12 13 15 17 22 26
41 31 20 16 14 13 9.6 7.6 6.9 6.9 7.9 9.3 9.3 10 9.9 9.4 9.8 11 13 16 18 17
16 12 11 9.6 7.8 11 12 14 15 13
14 10 8.6 7.4 6.5 12 13 13 14 12
12 9.5 8.1 7.2 5.9 13 14 15 15 14
11 10 9.5 7.4 5.1 15 19 21 21 19
11 9.3 8.1 6.7 4.8 18 25 25
12 8.8 6.6
14 9.5 6.3
42 28 15 9.8 6.3
25 23 14 9.5 6.2
15 16 12 8.6 6.5
12 13 11 9.1 7.9
13 11 9.7 8.8
14 11 8.5 6.9
18 13 8.9 6.2
24 14 9.5 6.2
25 14 9.5 6.1
18 13 8.9 6.0
14 11 8.0 6.1
11 9.4 8.3 7.9
11 9.3 8.5 8.1
14 11 8.0 6.2
18 12 8.8 6.1
24 14 9.6 6.4
25 14 9.9 6.7
19 13 9.5 6.9
14 11 8.7 7.2
12 10 9.2 9.2 8.3 7.6 8.3 11 16 24 42 60 77 78 66 51 30 19 13 9.6
12 10 9.5 9.6 8.8 8.0 8.3 10 14 19 25 30 35 36 33 29 25 19 15 13
15 12 9.3 8.1 7.9 7.9 7.7 7.6 8.3 9.0 9.9 11 13 14 14 13 14 14 15 17
20 14 11 8.3 7.6 7.4 6.8 6.2 5.5 4.3 4.0 5.0 6.2 6.9 7.7 8.8 9.7 11 15 20
27 17 13 9.5 8.1 7.4 7.4 6.7 5.3 4.6 4.3 5.2 7.0 7.5 8.4 9.9 10 12 17 26
29 19 14 11 9.1 8.2 8.9 8.0 6.2 5.8 6.0 6.7 8.2 9.8 11 11 12 14 18 27
24 19 16 13 11 9.6 9.9 9.0 7.5 8.0 8.5 8.9 10 12 13 13 14 16 19 22
21 20 19 17 14 12 10 9.7 10 11 12 13 13 15 16 16 17 19 20 21
19 22 25 23 18 14 11 11 13 16 20 20 17 18 19 19 24 25 22 19
17 26 37 35 23 15 12 12 15 23 34 32 23 20 20 25 34 39 27 18
RJA CONSULTANCY & MANAGEMENT
CHARTERED BUILDING SERVICES ENGINEERS
Bankside
Middle Aston
Oxon
OX25 5PZ
t: 01869 347131
Project:
37 BROADWATER ROAD
WELWYN GARDEN CITY
Title:
PROPOSED EXTERNAL LIGHTING,
INCOMING UTILITY SERVICES & PV ARR
Drawn: RA
Checked: SGA
Date: APRIL 2020
Scale: 1:100 @ A1
Drawing no:
Revision:
Date:
Description:
WARNING TAPE 300mm ABOVE CABLES/DUCTS
LV ELECTRICITY CABLE
2 x 50mm BT APPROVED DUCTS
1 x 63mm MDPE WATER MAIN
450
500mm
300mm
900
900mm
FINISHED CONSTRUCTION DETAIL BY OTHERS
SERVICE TRENCH DETAIL
KERB LINE APPLICA
LEGEND
ELECTRIC CAR CHARGE POINT
DOME CCTV CAMERA
PHOTO-ELECTRIC CELL
PIR LIGHTING CONTROL
PLATE FIXED LED BOLLARD
EXTERIOR 3.0 METRE LIGHTING COLUMN
EXTERIOR DECORATIVE WALL LIGHT
NOTES
supplementary drawing no:
DWG.NO
Contractor must confirm site dimensions prior to starting work and/or shop drawin
794585440

gemma lighting

PROJECT NAME:
Broadwater Road, Welwyn Garden City

PROJECT No:
LM090620-1

SCALE: **1:100**
DATE: **9 June 2020**

CALCULATION:
Horizontal Illuminance (lux)

DESIGNER:
Lucien McQueen

DISCLAIMER:The information contained in this lighting plan is provided solely for guidance only. Gemma Lighting recommends that where LUX levels are business critical a comprehensive lighting plan is completed by a qualified lighting designer or architect. Liability claims regarding damage caused by the use of any information provided, including any kind of information which is incomplete or incorrect, will therefore be rejected.

PREPARED BY:

Gemma Lighting Ltd
Unit 3, Marshlands Spur,
Farlington,
Portsmouth,
Hampshire. PO6 1RX
United Kingdom

e-mail: lucienmcqueen@gemmalighting.com
website: www.gemmalighting.com

FILE NAME
K:\QUOTATIONS LIVE\S\Solai Holdings\Lighting Plan\welwyn project.rtma

Results Grid 1	
Eav	15.90
Emin	3.96
Emax	77.55
Emin/Emax	0.05
Emin/Eav	0.25