

ADAMSTOWN BOULEVARD DEVELOPMENT:

ADAMSTOWN BOULEVARD PHASE 1

SDCC REG. REF. SDZ17A/0002

SUBMISSION ON COMPLIANCE WITH CONDITION No. 15 .c.(i)

Street trees and lighting conflicts (adjust position to ensure number of street trees proposed):

- Linear Park (25 No.): position lights on the built (housing) side of the street, not within the linear park and adjoining green areas which act as a green corridor.

- Adamstown Avenue: Southern side - 1 No.
- North-South Avenue: West side – 1 No.
- Side Street 1: East side - 2 No.
- Side Street 5: East side - 2 No.

Adamstown Boulevard Phase 1

SDCC Reg. Ref. SDZ17A/0002

SUBMISSION ON COMPLIANCE WITH CONDITION No. 15 .C (i)

| Compliance No. | CAD No. | Title: | Size: | Scale: |
|----------------|---------|--------|-------|--------|
|----------------|---------|--------|-------|--------|

GENERAL INFORMATION

| | | | | |
|---------------|---|-------------------------------------------|----|-----|
| LC-15.C.i-001 | - | COMPLIANCE COVER SHEET - CONDITION 15.C.i | A1 | N/A |
| LC-15.C.i-002 | - | DRAWING INDEX | A1 | N/A |

GENERAL ARRANGEMENT

| | | | | |
|---------------|-----------|-----------------------------------|----|-------|
| LC-15.C.i-003 | - | COMPLIANCE 15.C.i - LIGHTING PLAN | A0 | 1:500 |
| LC-15.C.i-004 | SES 02522 | PUBLIC LIGHTING LAYOUT - SABRE | A1 | 1:750 |

REPORT

| | | | | |
|----------------|---|-------------------------|----|-----|
| LC-15.C.iv-005 | - | OUTDOOR LIGHTING REPORT | A4 | N/A |
|----------------|---|-------------------------|----|-----|

NOTE
 ALL DIMENSIONS TO BE CHECKED ON SITE
 NO DIMENSIONS TO BE SCALED FROM THIS DRAWING
 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH
 RELEVANT CONSULTANTS DRAWINGS
 NO PART OF THIS DOCUMENT MAY BE RE-PRODUCED OR
 TRANSMITTED IN ANY FORM OR STORED IN ANY RETRIEVAL
 SYSTEM OF ANY NATURE WITHOUT THE WRITTEN PERMISSION
 OF THE LANDSCAPE ARCHITECT AS COPYRIGHT HOLDER EXCEPT
 AS AGREED FOR USE ON THE PROJECT FOR WHICH THE
 DOCUMENT WAS ORIGINALLY ISSUED.
 FOR DRAWING INDEX, GENERAL NOTES, REFER TO
 DWG L1-001

CLIENT:

ADAMSTOWN STATION AND BOULEVARD LTD.

ARCHITECTS:

MDO ARCHITECTS

| | | | |
|----|----------------|--|---------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| C1 | FOR COMPLIANCE | | 03.2023 |

| REVISIONS | | | |
|-----------|---------------|------------|------------|
| Job No. | 23A2A | Drawn By | KFR |
| Dwg No. | LC-15.C.i-002 | Checked By | JM |
| Scale | @A1 | Date | MARCH 2023 |

| JOB DESCRIPTION | |
|-----------------|-----------------------------------------------|
| Site | ADAMSTOWN BOULEVARD |
| Project | ADAMSTOWN BOULEVARD - COMPLIANCE NO. 15.C.(i) |
| Title | COMPLIANCE 15.C.i - DRAWING INDEX |



Architects 33 Rock Road, Williamstown, Blackrock, Co. Dublin
 Telephones : 2121 800 Fax : 2121 007 E mail : info@nmp.ie



NOTE
 ALL DIMENSIONS TO BE CHECKED ON SITE
 NO DIMENSIONS TO BE SCALED FROM THIS DRAWING
 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH
 RELEVANT CONSULTANT DRAWINGS
 NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR
 TRANSMITTED IN ANY FORM OR STORED IN ANY RETRIEVAL
 SYSTEM OR ANY MANNER WITHOUT THE WRITTEN PERMISSION
 OF THE LANDSCAPE ARCHITECT AS COPYRIGHT HOLDER EXCEPT
 AS AGREED FOR USE ON THE PROJECT FOR WHICH THE
 DOCUMENT WAS ORIGINALLY ISSUED
 FOR DRAWING INDEX GENERAL NOTES REFER TO
 DWG L1801

CLIENT:
ADAMSTOWN STATION AND BOULEVARD LTD.

ARCHITECTS:
MDO ARCHITECTS

LEGEND
 - - - - - SITE BOUNDARY
 - - - - - AREA SUBJECT OF FUTURE OUTLINE PERMISSION
 + LIGHT POLE
 + REFER TO ENGINEER'S DRAWING - SPECIFICATION

AREA SUBJECT OF APPLICATION FOR OUTLINE PERMISSION

| NO. | REVISIONS | DATE |
|-----|----------------|---------|
| C1 | FOR COMPLIANCE | 03.2023 |

| | | | |
|---------|-------------------|------------|----------|
| Job No. | 23A2A | Drawn By | KFR |
| Dwg No. | LC-15.C-I-003 | Checked By | JM |
| Scale | As Indicated @ A0 | Date | MAR 2023 |

JOB DESCRIPTION

Site: ADAMSTOWN BOULEVARD
 Project: ADAMSTOWN BOULEVARD - COMPLIANCE NO. 15.C.I
 Title: COMPLIANCE 15.C.I - LIGHTING PLAN

NMP
 Neil Montgomery Partners
 Architects: 33 Rock Road, Willemstown, Blackrock, Co. Dubh
 Telephone: 2121 800 Fax: 2121 007 E-mail: info@nmpw.com

Volt drop calculation for the most onerous circuit

| ESS SUPPLY | SOURCE PILLAR | CIRCUIT | DESIGN CURRENT (amps per Phase) | CABLE SIZE (sq.mm.) | CABLE LENGTH (m) | FUSE (Amps) | VOLT DROP (Volts) |
|------------|---------------|---------|---------------------------------|---------------------|------------------|-------------|-------------------|
| S1 | MP1 | MAN | 1.69 | 2404 | 200 | 10 | 1.81 |
| S1 | MP1 | | | | | | |

- TYPE A COLUMN DETAILS**
 - HEIGHT : 6m
 - BRACKET LENGTH : Post-top
 - INCLINATION : 0 Degrees
 - COLUMN QUANTITY : 13
- LANTERN DETAILS**
 - AVERAGE WATTAGE (CLO) : 18w LED
 - MAKE & MODEL : C.U.Phosco P852-12-P4-NW-CB0450
- TYPE B COLUMN DETAILS**
 - HEIGHT : 6m
 - BRACKET LENGTH : ASABACUS Raisé & lower type
 - INCLINATION : Post-top
 - INCLINATION : 0 Degrees
 - COLUMN QUANTITY : 5
- LANTERN DETAILS**
 - AVERAGE WATTAGE (CLO) : 9w LED
 - MAKE & MODEL : C.U.Phosco P852-12-R3B-NW-CB2020
- TYPE C COLUMN DETAILS**
 - HEIGHT : 6m
 - BRACKET LENGTH : Post-top
 - INCLINATION : 0 Degrees
 - COLUMN QUANTITY : 51
- LANTERN DETAILS**
 - AVERAGE WATTAGE (CLO) : 27w LED
 - MAKE & MODEL : C.U.Phosco P852-12-F2-NW-CB0700
- TYPE D COLUMN DETAILS**
 - HEIGHT : 10m
 - BRACKET LENGTH : Post-top
 - INCLINATION : 0 Degrees
 - COLUMN QUANTITY : 36
- LANTERN DETAILS**
 - AVERAGE WATTAGE (CLO) : 64w LED
 - MAKE & MODEL : C.U.Phosco P862-256-P4-W5-0250

NOTES:
 All LED lanterns must have Constant Light Output (CLO).
 Automatically dimmed to 75% each night from 12 midnight to 6am.
 All lanterns to have 7200 NEWA sockets floor.
 Electronic PhotoCells switched at 35/18lux.
 All columns, luminaires, cable and pillars shall comply with Local Authority General Specification for Public Lighting.
 No trees to be located within falling distance of P.L. columns.
 Minimum setback of columns to 800mm from face of kerb.

20kV NYC cable laid in ducting to ETG ET101.
 Single wall ducting, colour red to be used.
 Manufactured from high density polyethylene (H.D.P.E.).
 107mm external diameter, having a wall thickness of 6mm.
 This ducting to have the words "Street Lighting" stamped on.
 Letter size 6mm at 1m intervals. The lettering to face up in the trench.
 This is a circuit layout and not indicative of where ducts are to be laid.
 Public Lighting Pillar (located at least 2m from ESS pillar)

Public lighting cable chamber as per Local Authority P.L. Dept. specification.

- 0.25 lux
- 0.5 lux
- 1.0 lux
- 3.0 lux
- 5.0 lux

NOTES
 THIS DRAWING IS THE INTELLECTUAL PROPERTY OF Sabre LIGHTING DESIGN DEPT. AND IS COPYRIGHT © AND CANNOT BE USED WITHOUT PRIOR CONSENT.

NO ACCOUNT IS TAKEN FOR THE BLOCKING EFFECT CAUSED BY BUILDINGS, TREES ETC. THE CALCULATION SHOWN BY THIS DRAWING ASSUMES THAT THE WHOLE AREA BEING CONSIDERED IS IN THE SAME PLANE, I.E. THERE ARE NO CHANGES IN GROUND OR ELEVATION.

This drawing layout is based on calculated lighting levels, produced by Sabre Electrical Services Ltd., using Lighting Roadby software. Any alterations to the layout or luminaire type used for the lighting design calculations, will require a revised lighting design to be carried-out. A redesign may require approval from the Local Authority Public Lighting Dept. prior to any alterations/modifications being implemented on site.

Sabre
 ELECTRICAL SERVICES LTD.
 Specialist Contractors
 PUBLIC LIGHTING - FLOOD LIGHTING - SPORTS LIGHTING

UNIT 11, BELLVUE INDUSTRIAL ESTATE, FINGLAS, DUBLIN 11.
 E - MAIL: graham@sabrelighting.ie PH: 01-811 0875

| REV | DESCRIPTION | INTS | CHK'D | DATE |
|-----|--------------------------------------------------|------|-------|----------|
| - | ? | GS | CHK | ----- |
| F | Some columns relocated to suit NMP mail 28-02-23 | GS | CHK | 01-03-23 |
| E | Latest site layout used. Redesigned to suit | GS | CHK | 27-02-23 |
| D | MP's and circuits added. | GS | CHK | 29-08-22 |
| C | Latest NMP site layout used. Redesigned to suit | GS | CHK | 20-06-22 |
| B | Latest site layout used. Redesigned to suit | GS | CHK | 26-04-22 |
| A | Latest site layout used. Redesigned to suit | GS | CHK | 09-04-22 |

CLIENT/CUSTOMER
Quintain

PROJECT
Adamstown Boulevard Residential

TITLE
Public Lighting Layout

| DRAWN | SCALE | DATE |
|----------------|----------|----------|
| G.S | 1:750@A1 | 25-02-22 |
| DRAWING NUMBER | ISSUE | |
| SES 02522 | 7 | |

BASE DRAWING NUMBER
 edit

DRAWING ORIGIN
 edit

DO NOT SCALE FROM THIS DRAWING

