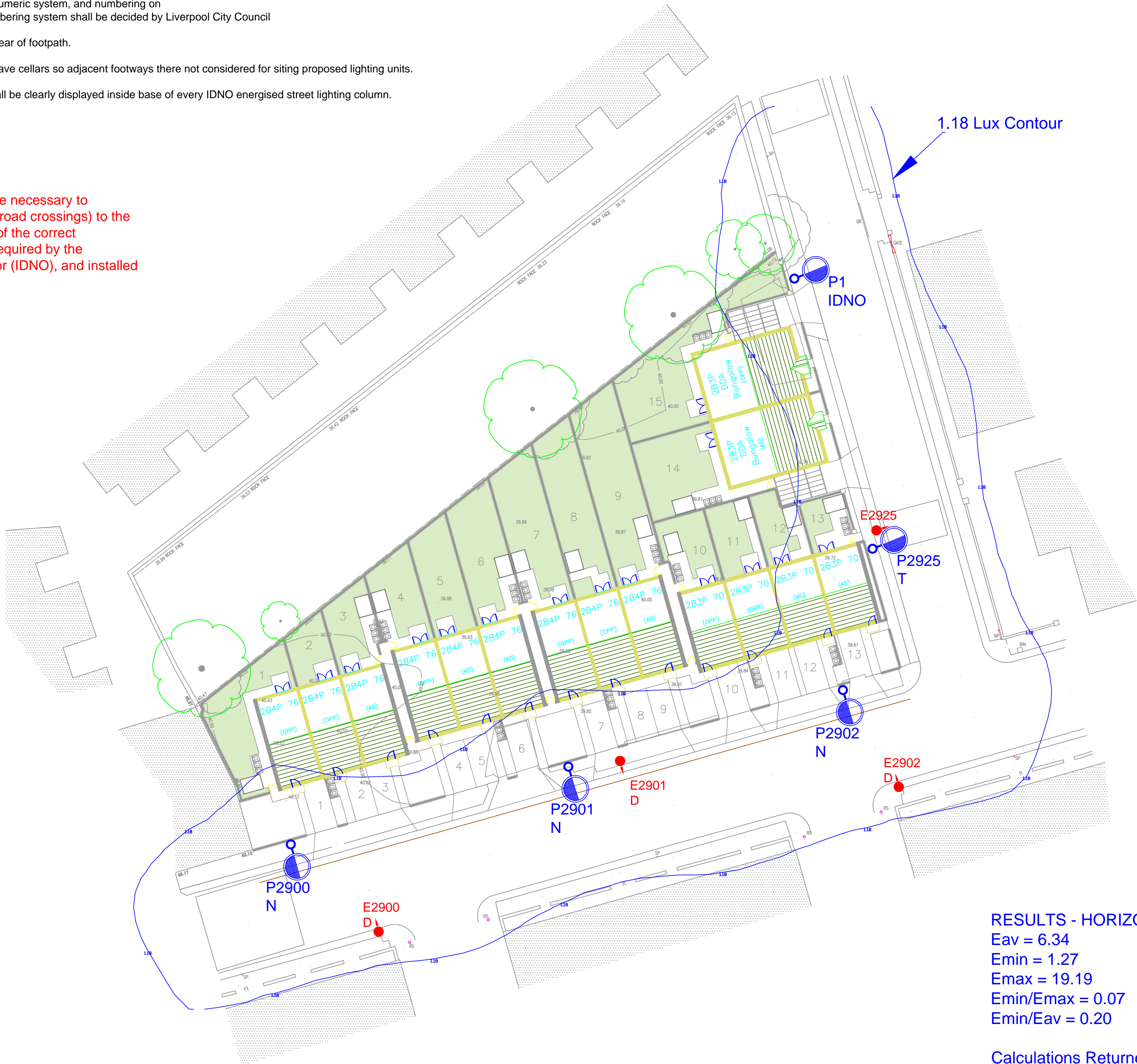


Notes

- 1.All works shall be compliant with requirements of latest I.E.E. Wiring Regulations and manufacturer's instructions.
- 2.Lighting columns are to be identified by an alpha-numeric system, and numbering on this layout is for contract purposes only. Final numbering system shall be decided by Liverpool City Council
- 3.All proposed street lighting columns to be located rear of footpath.
- 4.Existing properties on Bedford Road assumed to have cellars so adjacent footways there not considered for siting proposed lighting units.
- 5.The IDNO name, address and contact number shall be clearly displayed inside base of every IDNO energised street lighting column.

Please ensure that any ducts that may be necessary to facilitate low voltage cabling diversions (road crossings) to the proposed street lighting equipment, are of the correct Colour/diameter/depth/specification as required by the independent distribution network operator (IDNO), and installed before IDNO jointers arrival on site.



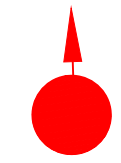
RESULTS - HORIZONTAL ILLUMINANCE (Lux)
Eav = 6.34
Emin = 1.27
Emax = 19.19
Emin/Emax = 0.07
Emin/Eav = 0.20

Calculations Returned using Maintenance Factor 0.74

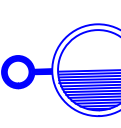
LIGHTING SCHEME DESIGN to BS 5489 :2013 / EN :13201

Lighting Class	Benchmark Values		Scheme reduction with Photopic / Scotopic Ratio of :- S / P = 1. 61	
	Eav Lux	Emin Lux	Eav Lux	Emin Lux
P3	7.5	1.5	5.9	1.18

EXISTING EQUIPMENT

 Redundant street lighting column electricity supply connection to be disconnected and column removed from site and disposed of

PROPOSED EQUIPMENT

 New 6 metre street lighting column, with a Post Top Mounted WRTL Mini Luma LED luminaire, incorporating a Philips DALI enabled electronic driver and Zodian SS6 35 /18 photocell with NEMA socket.

Column : Fabrikat to latest Liverpool City Council Street Lighting Specification.
Luminaire Optic Ref: (Neutral White) Mini Luma R5 DS - NW 5.2 klm

LETTERING

P Prefix letter **P** denotes proposed street lighting equipment

E Prefix letter **E** denotes existing street lighting equipment

ELECTRICAL SERVICES

N Letter **N** denotes that a Scottish Power new electricity service connection is required

3 No. new Scottish Power electricity service connections are required to proposed street lighting column No.s **P2900**, **P2901** and **P2902**

IDNO Letters **IDNO** denotes that an independent distribution network operator (IDNO) new electricity service connection is required

1 No. new IDNO electricity service connection is required to street lighting column No. **P1**

T Letter **T** denotes that a Scottish Power transfer of electricity service connection is required

1 No. transfer of Scottish Power electricity service connection is required from street lighting column No.s **E2925** to **P2925**

D Letter **D** denotes that a Scottish Power disconnection of electricity service connection is required

3 No. disconnection of Scottish Power electricity service connections are required to street lighting column No.s **E2900**, **E2901** and **E2902**

Bedford Road,
Liverpool,

Street Lighting Improvements

DRAWING NUMBER

SL/1300/0715/001/-

DRAWN: B.Cartledge

CHECKED:

DATE: 20 - JULY - 2015

SCALE: 1:250 @ A1

DRAWING STATUS :

DESIGN

Cencode Limited

Independent Lighting Design Consultancy

CENCODE.COM

cencode@msn.com

19 Shadewood Crescent

Grappenhall

Warrington

WA4 2SN

Tel:(01925)263570

REV	AMENDMENTS	DATE	CHK