

LiAS Design Notes

This preliminary design is produced by the Lighting Application Specialist (LiAS) team of Signify UK based on information supplied by the Customer for the purpose of identifying suitable products and costing the proposal. This design cannot be used for Construction, as this design does not purport to eliminate health and safety risks as a CDM Regulation risk assessment has not been undertaken.

Depending on the level of information received, a number of assumptions may have been applied in order to create an indicative lighting proposal and costing model, according to lighting industry guidelines and incorporating industry best practice methods. These assumptions are documented below and will require confirmation by the Principle Designer (which is not Signify UK) during the detailed design phase.

Project Specific Assumptions

- Column locations have been assumed.
- Where column heights have not been provided/specified, these have been assumed to be 15m.

Generic Assumptions (unless specifically informed differently)

- Preliminary Design proposals produced by the Signify LiAS Team are not to be used for installation purposes. It is the responsibility of the Principle Designer and/or Principle Contractor to ensure all Installation and Maintenance can be done in a safe manner, carried out by competent persons, based on their agreed Risk Assessments and Method Statements.
- The Luminaire Maintenance Factors have been based on 6-year cleaning intervals within an E3/E4 Environmental Zone and it is assumed that lamp/luminaire failures will be replaced on a 'spot replacement'.
- Energy consumptions have been based on the luminaire/s having Constant Light Output (CLO) enabled and the quoted wattage/s are the average over 100,000 hours (without dimming).
- The design calculations produced by Signify do not account for the effect obstructions, such as trees, will cause.
- Signify has not been provided with utility plans showing Buried, Above Ground or Overhead utilities. Therefore, all column/luminaire locations are indicative and are subject to review/verification by the Principle Designer.
- Unless stated otherwise, Signify has not visited site. Therefore, all column/luminaire locations are indicative and are subject to an onsite verification arranged/performed by the Principle Designer.
- Signify has not produced any Private Cable Network electrical calculations or reviewed the DNO network to confirm power supplies to the proposed lighting.
- Signify has not performed any asset condition testing and therefore assumes that any existing lighting columns/wall mounted brackets are structurally capable of supporting the weight & windage of the proposed luminaire/s. This must be verified by the Principle Designer before installation works commence.
- Unless stated otherwise, Signify is not supplying the new lighting columns (including brackets etc) and therefore it is the responsibility of the Principle Designers to confirm that all proposed equipment is suitable for the intended locations (e.g. raise & lower, ground condition, foundation type, saline environment, etc).
- Unless stated otherwise, luminaires will be supplied in their standard colour.

Luminaire Schedule

→ BVP528 1xLED2220/757 OUT T15 50K A55-NB +LO
 → BVP528 1xLED2220/757 OUT T15 50K A55-MB +LO

350 Lux Average Design
 6x 15m Columns

Results Overview
 390.4 Lux Average
 0.78 Min/Ave
 0.54 Min/Max
 46.8 Max Glare

M50 Impact

Threshold Increment - based on an Adaption of 5 cd/m²,
 Threshold Increment is 0%.

Maximum Intensity - 3279 cd. Assuming an E4 Environmental Zone, this is below the 25,000 cd maximum required.
 note: figures are based on the assumed locations of the observers.

Products Used

22x BVP528 1xLED2220/757 OUT T15 50K A55-NB +LO
 4x BVP528 1xLED2220/757 OUT T15 50K A55-MB +LO
 note: on site tilt equals Tilt90 value minus 55 degrees.

Philips Lighting Contacts

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Lighting Proposal Terms and Conditions of Use

These terms apply to the use of this preliminary proposal produced by Signify UK. This "Proposal" is understood to mean this document, a CAD drawing, lighting calculations, written documents, verbal conversations or any medium used to demonstrate or communicate the proposed lighting scheme using products from Signify's brands. A "Customer" is the person or organisation for whom the Proposal is intended. The "CDM Regulations" means The Construction, Design and Management Regulations 2015, the Safety, Health & Welfare at Work Act 2005, The Construction (Design & Management) Regulations (Northern Ireland) 2015.

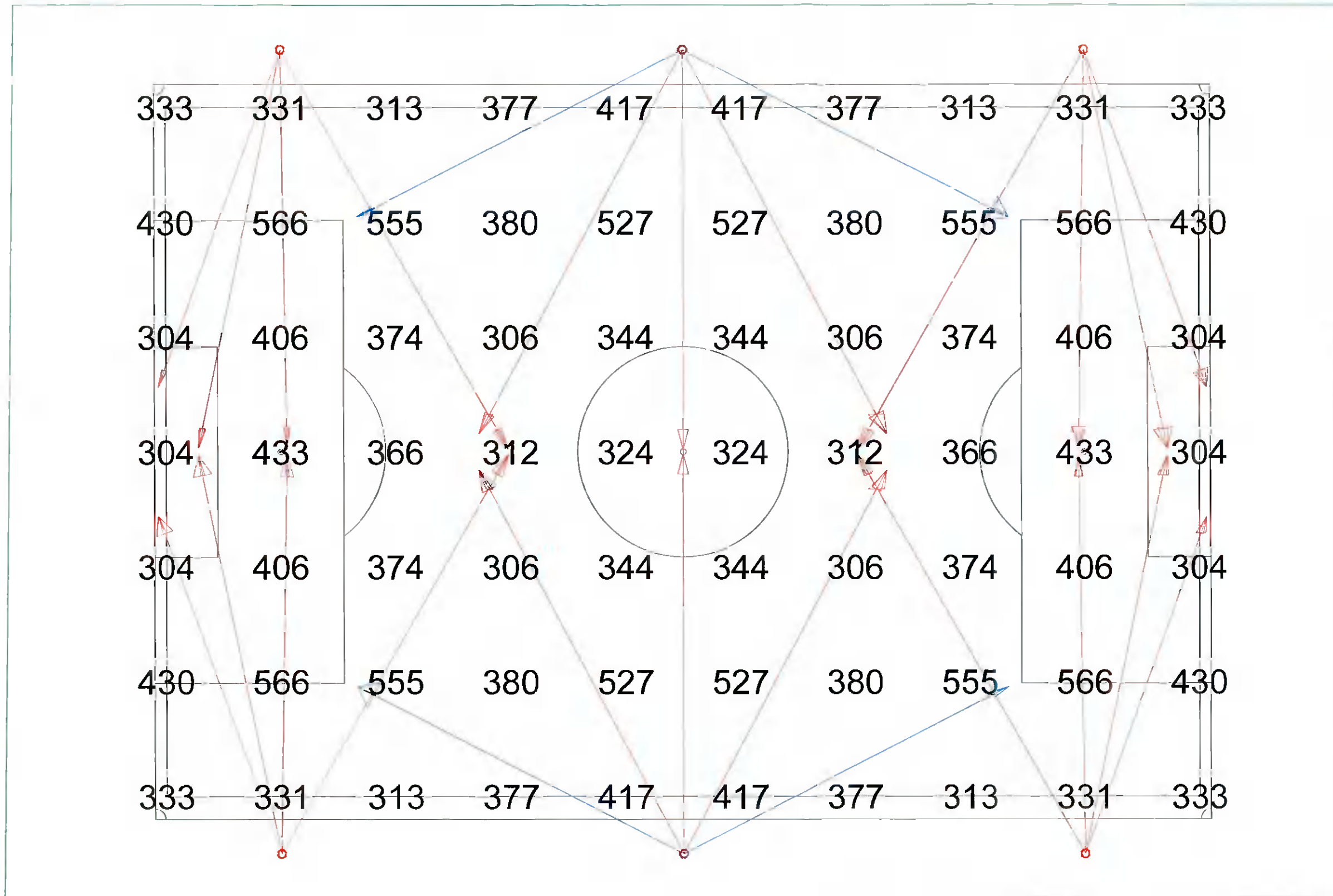
This Proposal is for guidance only and cannot be relied upon for purposes of installation or Health and Safety.
 The supply and installation of this lighting scheme are subject to a contract being agreed between Customer and Signify.

PROPOSAL
 (NOT FOR CONSTRUCTION)

Rev	DSR no.	Comment	Date	LiAS	KAM	Project Number	Project Name
0	D-373415	Initial proposal	09/10/20	MD	DM	0400504946	Ballyfermot FC
1	D-424675	Louvers added and spill light on to motorway measured	22/09/21	MD	DM		
						Scale & Sheet Size	Drawing Name
						NTS @ A3	LiAS DESIGN NOTES & LUMINAIRE SCHEDULE
						Sheet No	
						DWG 00	

Key:

— BVP528 1xLED2220/757 OUT T15 50K A55-NB +LO
— BVP528 1xLED2220/757 OUT T15 50K A55-MB +LO
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Notes:

- 1) Unless agreed otherwise, the lighting proposal produced by the Lighting Application Specialist (LIAS) team of Philips Lighting UK&I is not intended for construction purposes, as it does not take into account the elimination of health and safety risks at this stage. For further details please refer to sheet number DWG 00
- 2) Do not scale for this drawing

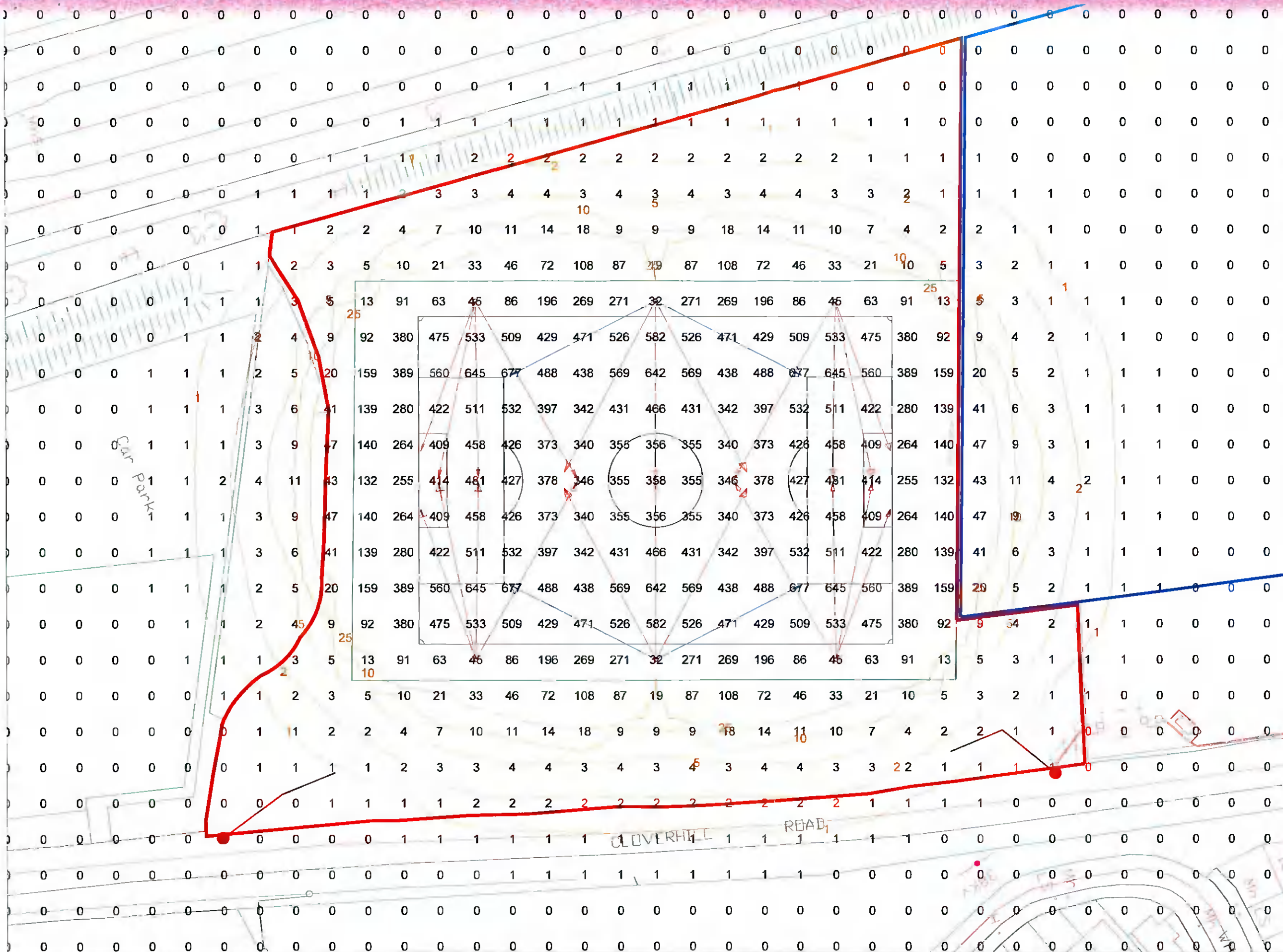
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0	D-373415	Initial proposal.
1	D-424675	Louvers added and spill light on to motorway measured

Date	LIAS	KAM
09/10/20	MD	DM
22/09/21	MD	DM

Project Number
0400504946
 Scale & Sheet Size
1:125 @ A0
 Sheet No
DWG 01

Project Name
Ballyfermot FC
 Drawing Name
Pitch Results



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Date	LIAS	KAM
09/10/20	MD	DM
22/09/21	MD	DM

Project Number
0400504946

Scale & Sheet Size
1:250 @ A0

Sheet No
DWG 02



Project Name
Ballyfermot FC

Drawing Name
Pitch Results

