

**NOTES**

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**GRID SUMMARY**

Name:	Spill
Size:	0.0m x 0.0m
Spacing:	10.0m x 10.0m
Height:	0.0m above grade

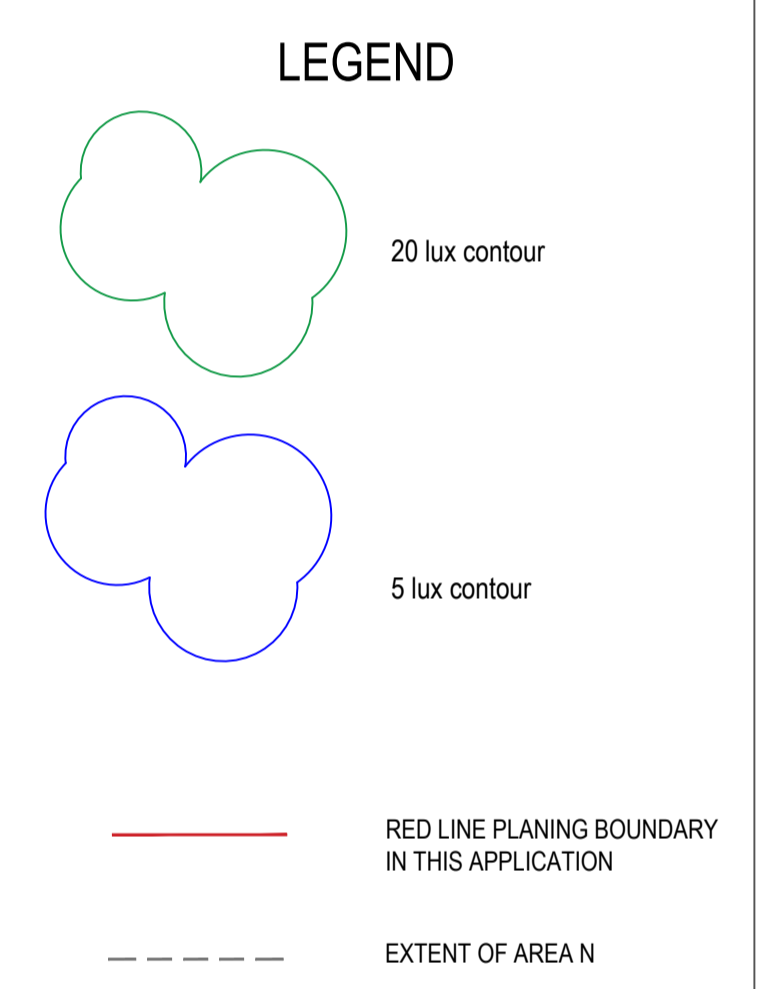
**ILLUMINATION SUMMARY**

MAINTAINED HORIZONTAL LUX

Entire Grid	
Scan Average:	33.23
Maximum:	97
Minimum:	0
Min / Avg:	0.00
Min / Max:	0.00
UG (adjacent pts):	9.07
CU:	0.99
No. of Points:	1902

LUMINAIRE INFORMATION

Applied Circuits:	A
Design Usage Hours:	10,000 / 100,000 / 100,000 / 10,000
No. of Luminaires:	67
Avg Load:	61.48 kW
Max Load:	68.31 kW



**Lighting System**

**Pole / Fixture Summary**

Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Avg Load	Max Load	Circuit
HML1	30.5	30.5	4	TLC-LED-1200	4.21 kW	4.68 kW	A
HML2-HML5	30.5	30.5	6	TLC-LED-1200	6.32 kW	7.02 kW	A
HML6	30.5	30.5	3	TLC-LED-1200	3.16 kW	3.51 kW	A
HML7, HML13	30.5	30.5	3	TLC-LED-900	2.40 kW	2.67 kW	A
HML8-HML12	30.5	30.5	6	TLC-LED-900	4.81 kW	5.34 kW	A
<b>T3</b>			<b>67</b>		<b>61.48 kW</b>	<b>68.31 kW</b>	

**Circuit Summary**

Circuit	Description	Avg Load	Max Load	Fixture Qty
A		61.48 kW	68.31 kW	67

**Fixture Type Summary**

Type	Source	Avg Wattage	Max Wattage	Constant Lumens	Application	Quantity
TLC-LED-900	LED 5700K - 75 CRI	801W	890W	76,160	100K	36
TLC-LED-1200	LED 5700K - 75 CRI	1053W	1170W	127,500	100K	31

**Single Luminaire Amperage Draw Chart**

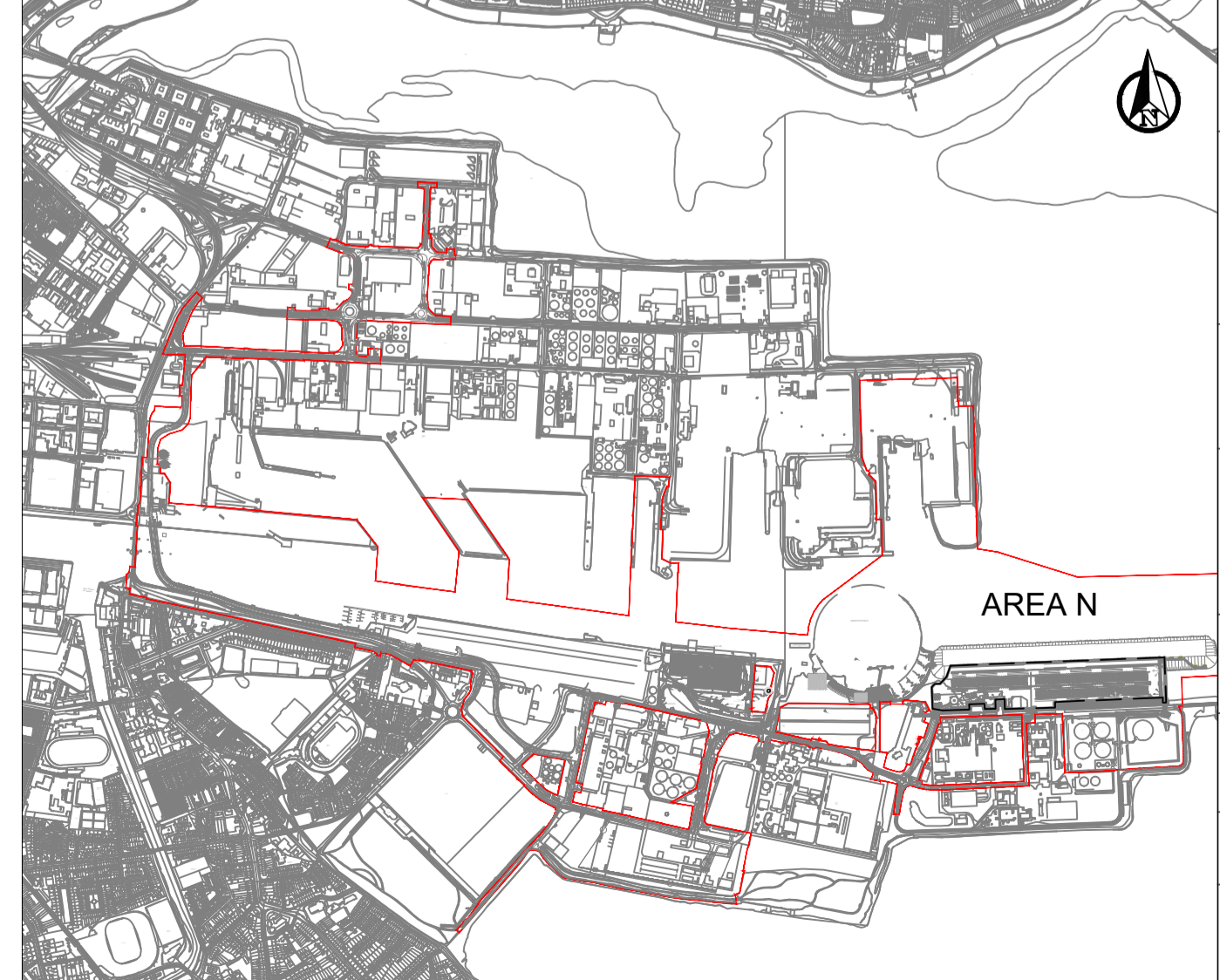
Driver (90 min power factor)	Max Line Amperage Per Luminaire					
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	480 (60)
TLC-LED-900	5.3	5.0	4.6	4.0	3.2	2.9
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8

**Light Level Summary**

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Min/Max	Min/Ave		
Container Area	Horizontal	56.1	21	95	0.23	0.37	A	67
Crane Working	Horizontal	58.8	19	81	0.23	0.32	A	67
Dublin Port	Horizontal	54	12	95	0.12	0.22	A	67
Spill	Horizontal	33.2	0	97	0.00	0.00	A	67
Truck Loading	Horizontal	55.5	18	93	0.19	0.32	A	67

**KEY PLAN AREA N**



P05	08/05/24	Rev	Revised for Planning Issue	DK
Rev	Date	Dim. Chk	Amendment / Issue	App
Client				
ENGINEERING		M&S Building Bond Road Extension Dublin 3		
Tel. 00 353 1 8555771		Fax. 00 353 1 8550487		
Project: <b>3FMProject</b> - Bringing Dublin Port To 2040				
Title: <b>Lo-Lo Container Terminal (Area N) Lighting Calculation Design</b>				
Model File Identifier				
File Identifier: CP1901-3FM-RPS-S45-06-DR-C-0631				
Created on	15/03/2023	Sheets	1	
Scale	1:1250 @ A1 @ A3	Status	S4	Rev P05