

LEGEND

- LOT BOUNDARIES
- CALCULATION PLANE FOR MINIMUM COUNCIL SET BACK (3m).
- CALCULATION PLANE FOR BUILDING LINE

No.	REVISION	DATE	BY:
A	DA ISSUE	14/08/20	RR

REVISIONS

CDC NSW

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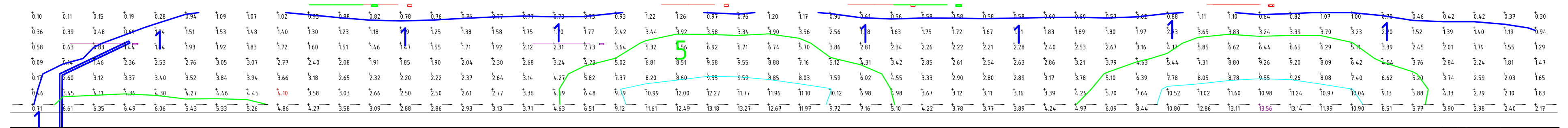
CDC NSW BUS DEPOT
LOT 202 DP 1019363
15 JUBILEE AVENUE
WARRIEWOOD NSW 2102

ELECTRICAL SERVICES
OBTRUSIVE LIGHTING CALCULATIONS
SITE PLAN

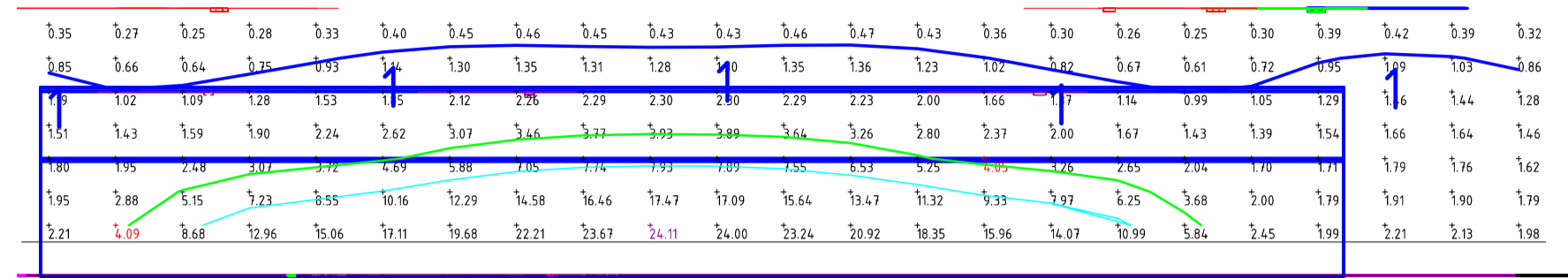
DATE	AUG '20	DRAWN	RR
DESIGNED	RR		
SCALE	1:200 @ A1		
SET OF	1 OF 3		
PROJECT No	DRAWING No	REV	
A667A	OLC001	A	

A1 SHEET

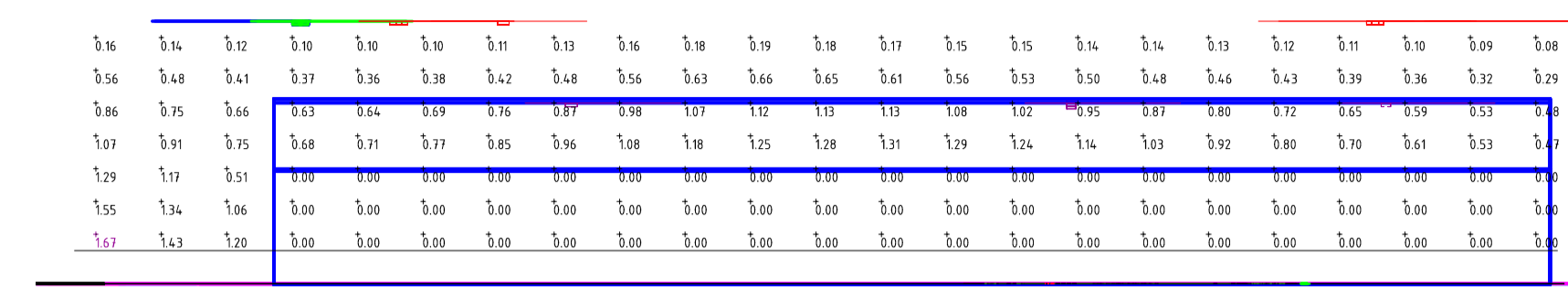
Council Set-back (3m) Calculation Summary								
Label	CalcType	Units	Max	Min	# Pts	PISpLr	PISpTb	Meter Type
ObtrusiveLight_E_Cd_Seg1	Obtrusive - Cd	N.A.	1627	0	161	2	1	Vert-PerpCW
ObtrusiveLight_E_Ill_Seg1	Obtrusive - Ill	Lux	1.67	0.00	161	2	1	Vert-PerpCW
ObtrusiveLight_S_Cd_Seg1	Obtrusive - Cd	N.A.	3951	76	350	2	1	Vert-PerpCW
ObtrusiveLight_S_Ill_Seg1	Obtrusive - Ill	Lux	13.56	0.09	350	2	1	Vert-PerpCW
ObtrusiveLight_Tl_1	Obtrusive - Tl	%	1	0	102	2	0	Vert-Along
ObtrusiveLight_W_Cd_Seg1	Obtrusive - Cd	N.A.	10360	63	161	2	1	Vert-PerpCW
ObtrusiveLight_W_Ill_Seg1	Obtrusive - Ill	Lux	24.11	0.25	161	2	1	Vert-PerpCW



SOUTHERN ELEVATION CALCULATIONS - 3m SET BACK

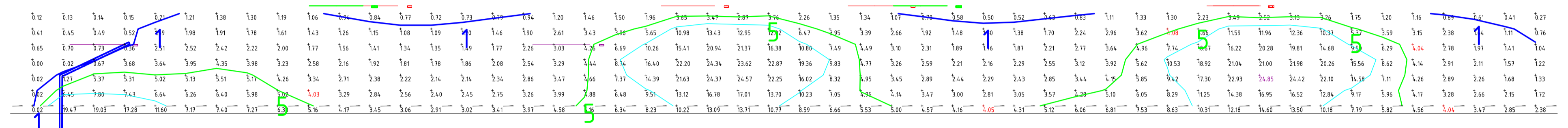


WESTERN ELEVATION CALCULATIONS - 3m SET BACK

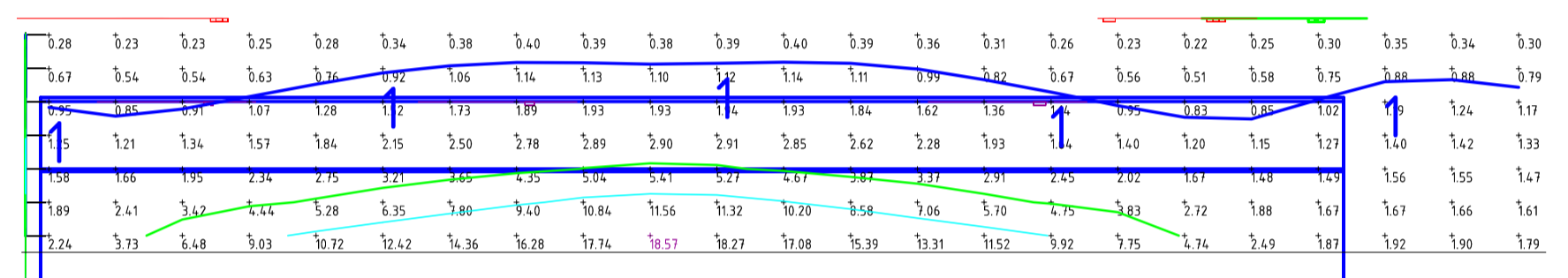


EASTERN ELEVATION CALCULATIONS - 3m SET BACK

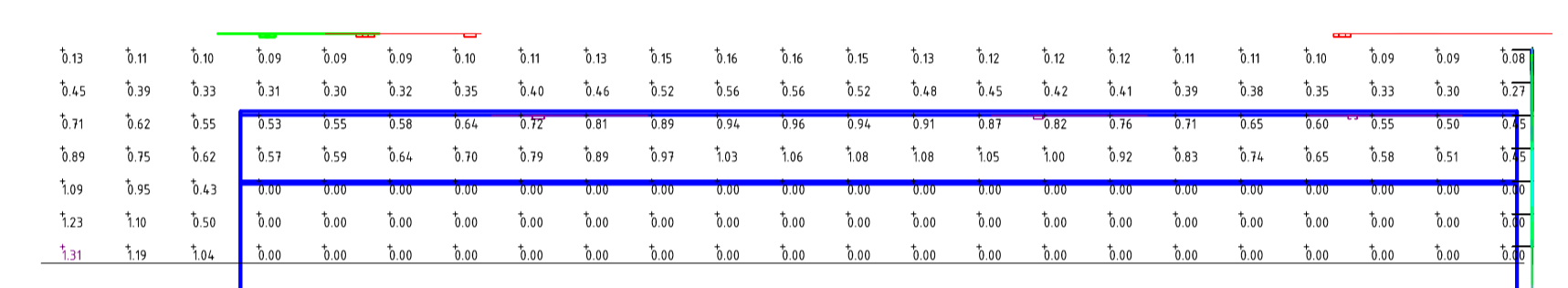
Building Line - Calculation Summary								
Label	CalcType	Units	Max	Min	# Pts	PISpLr	PISpTb	Meter Type
ObtrusiveLight_E_C	Obtrusive -	N.A.	1338	0	161	2	1	Vert-P
ObtrusiveLight_E_I	Obtrusive -	Lux	1.31	0.00	161	2	1	Vert-P
ObtrusiveLight_S_C	Obtrusive -	N.A.	5364	91	350	2	1	Vert-P
ObtrusiveLight_S_I	Obtrusive -	Lux	24.85	0.00	350	2	1	Vert-P
ObtrusiveLight_Tl	Obtrusive -	%	1	0	102	2	0	Vert-A
ObtrusiveLight_W_C	Obtrusive -	N.A.	8632	61	161	2	1	Vert-P
ObtrusiveLight_W_I	Obtrusive -	Lux	18.57	0.22	161	2	1	Vert-P



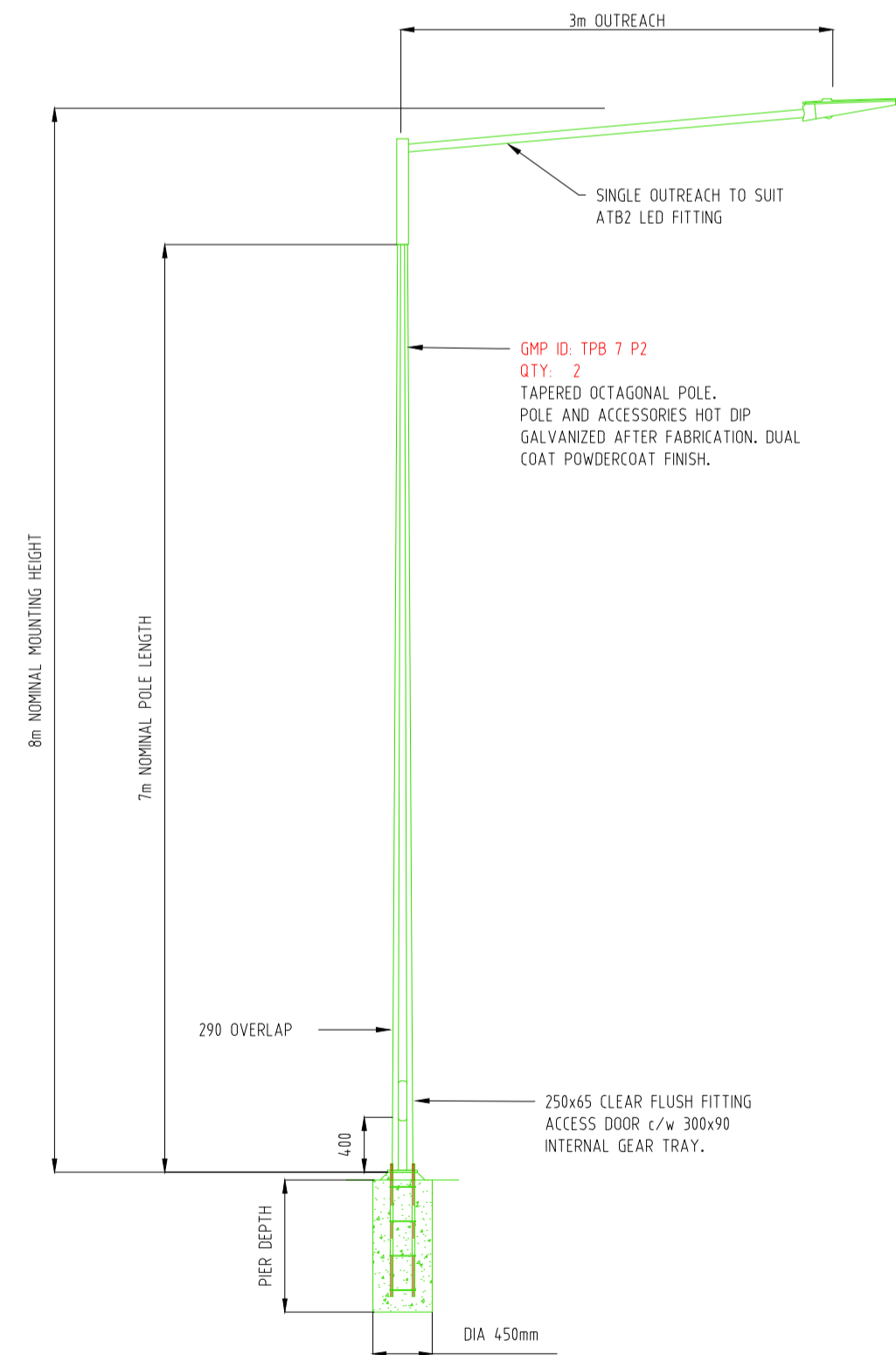
SOUTHERN ELEVATION CALCULATIONS - BUILDING LINE



WESTERN ELEVATION CALCULATIONS - BUILDING LINE



EASTERN ELEVATION CALCULATIONS - BUILDING LINE



LIGHT POLE DETAIL

Luminaire Location Summary						
LumNo	Label	X	Y	Z	Orient	Tilt
1	ATB2_40BLEDE70_XXXXX_R4	85.5	-36.537	5.5	0	0
2	ATB2_60BLEDE70_XXXXX_R2	67.627	-12.892	8	0	0
3	ATB2_60BLEDE70_XXXXX_R4	67.594	-12.892	8	270	0
4	ATB2_40BLEDE70_XXXXX_R4	55.077	-21.27	5.5	270	0
5	ATB2_60BLEDE70_XXXXX_R4	46.945	-48.908	8	90	0
6	ATB2_60BLEDE70_XXXXX_R4	34.77	-13.082	8	270	0
7	ATB2_60BLEDE70_XXXXX_R2	34.71	-13.082	8	180	0
8	ATB2_60BLEDE70_XXXXX_R4	11.253	-48.747	8	90	0
9	ATB2_60BLEDE70_XXXXX_R4	11.154	-16.184	8	270	0

CALCULATIONS NOTES

- CALCULATION PLANE COMPLETED 1-8m AFFL @ 2m HORIZONTAL SPACING AND 1m VERTICAL SPACING .
- CALCULATIONS COMPLETED IN ACCORDANCE WITH AS 4282.
- MAINTENANCE FACTOR OF 1 UTILISED.

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
5	1	ATB2_40BLEDE70_XXXXX_R4	SINGLE	N.A.	1.000	SYLVANIA ARTERIAL 2 133W LED 700mA TYPE 4 4000°K
2	2	ATB2_60BLEDE70_XXXXX_R2	SINGLE	N.A.	1.000	SYLVANIA ARTERIAL 2 133W LED 700mA TYPE 2 4000°K
1	1	ATB2_40BLEDE70_XXXXX_R4	SINGLE	N.A.	1.000	SYLVANIA ARTERIAL 2 133W LED 1050mA TYPE 4 4000°K

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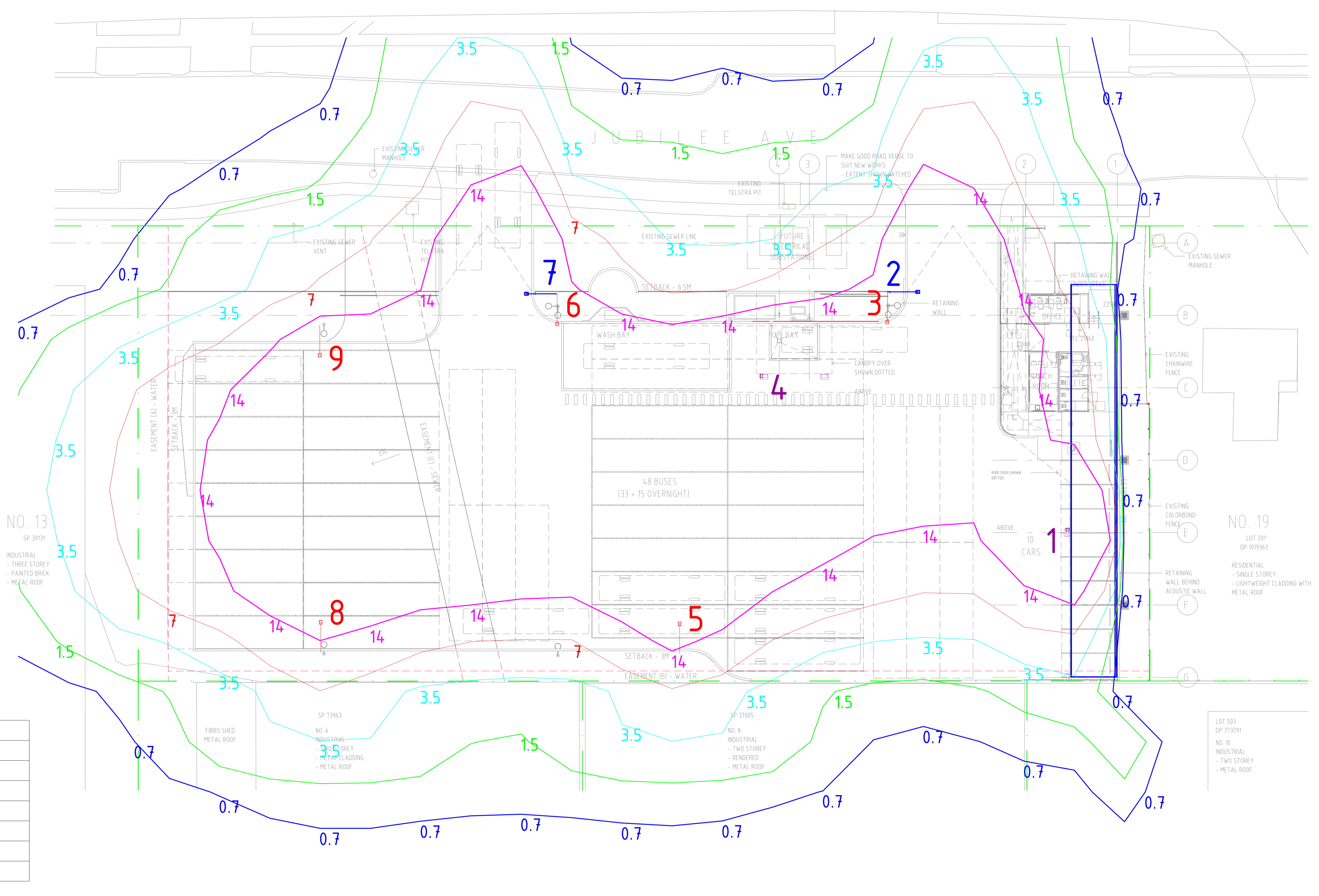
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ELECTRICAL SERVICES

OBTRUSIVE LIGHTING CALCULATIONS SUMMARY

DATE	AUG '20	DRAWN	RR
DESIGNED	RR		
SCALE	NTS @ A1		
SET OF	2 OF 3		
PROJECT No	A667A	DRAWING No	OLC002
		REV	A



Isoline Legend	
Illuminance (Lux)	
Color	Value
■	0.7
■	1.5
■	3.5
■	7
■	14

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ELECTRICAL SERVICES

OBTRUSIVE LIGHTING CALCULATIONS
ISOLUX PLOT

DATE	AUG '20	DRAWN	RR
DESIGNED	RR		
SCALE	1:200 @ A1		
SET OF	3 OF 3		
PROJECT No	A667A	DRAWING No	OLC003
		REV	A

A1 SHEET