

GLENORCHY PLANNING AUTHORITY

ATTACHMENTS

MONDAY, 24 JULY 2017



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PLANNING

- 5. PROPOSED USE AND DEVELOPMENT - DEMOLITION, OUTBUILDING AND ADDITIONS TO RESIDENTIAL (SINGLE DWELLING) RELYING ON PERFORMANCE CRITERIA - 137 RISDON ROAD, LUTANA**
 - 1: Attachment - 137 Risdon Road, Lutana 2

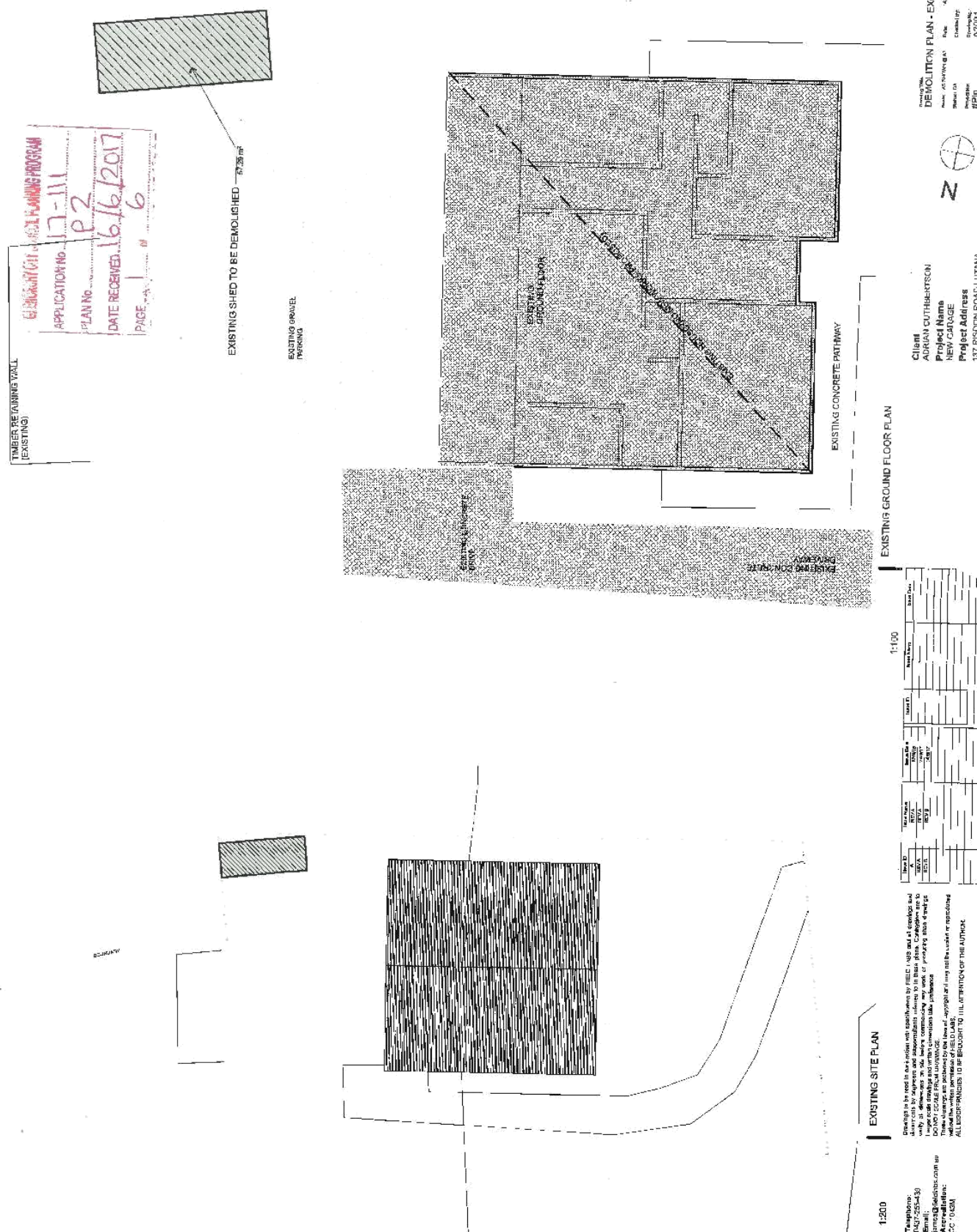
- 6. PROPOSED USE AND DEVELOPMENT - PROVISION OF MINOR UTILITIES AND FORMAL PARKING BAYS (UTILITIES) RELYING ON PERFORMANCE CRITERIA - CREEK ROAD NEW TOWN**
 - 1: Attachment - GIPS Report, Creek Road..... 10

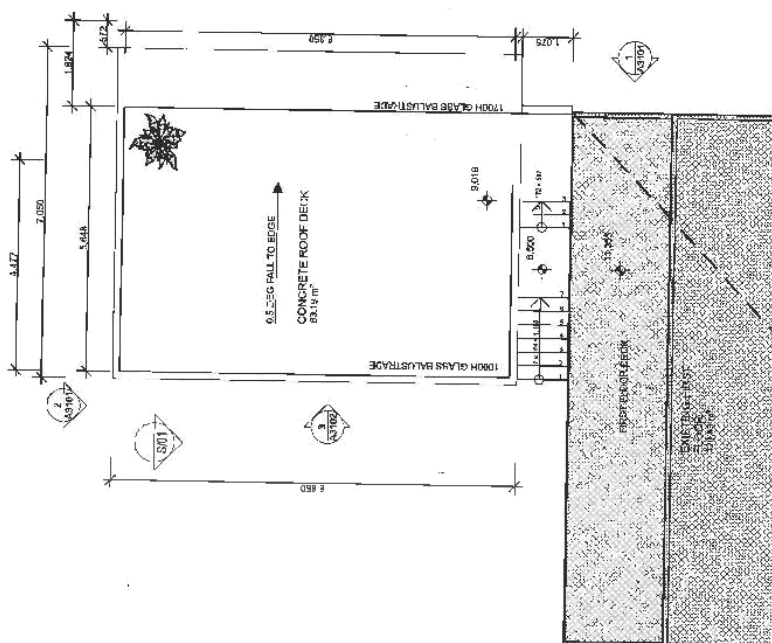
- 7. PROPOSED USE AND DEVELOPMENT - SPORTS GROUND LIGHTING (SPORTS AND RECREATION) AND WORKS WITHIN THE WATERWAY COASTAL PROTECTION AREA, RELYING ON PERFORMANCE CRITERIA - 1 GEPP PARADE DERWENT PARK**
 - 1: Attachment - 1 Gepp Parade, Derwent Park..... 15

137 Risdon Road, Lutana

Item:



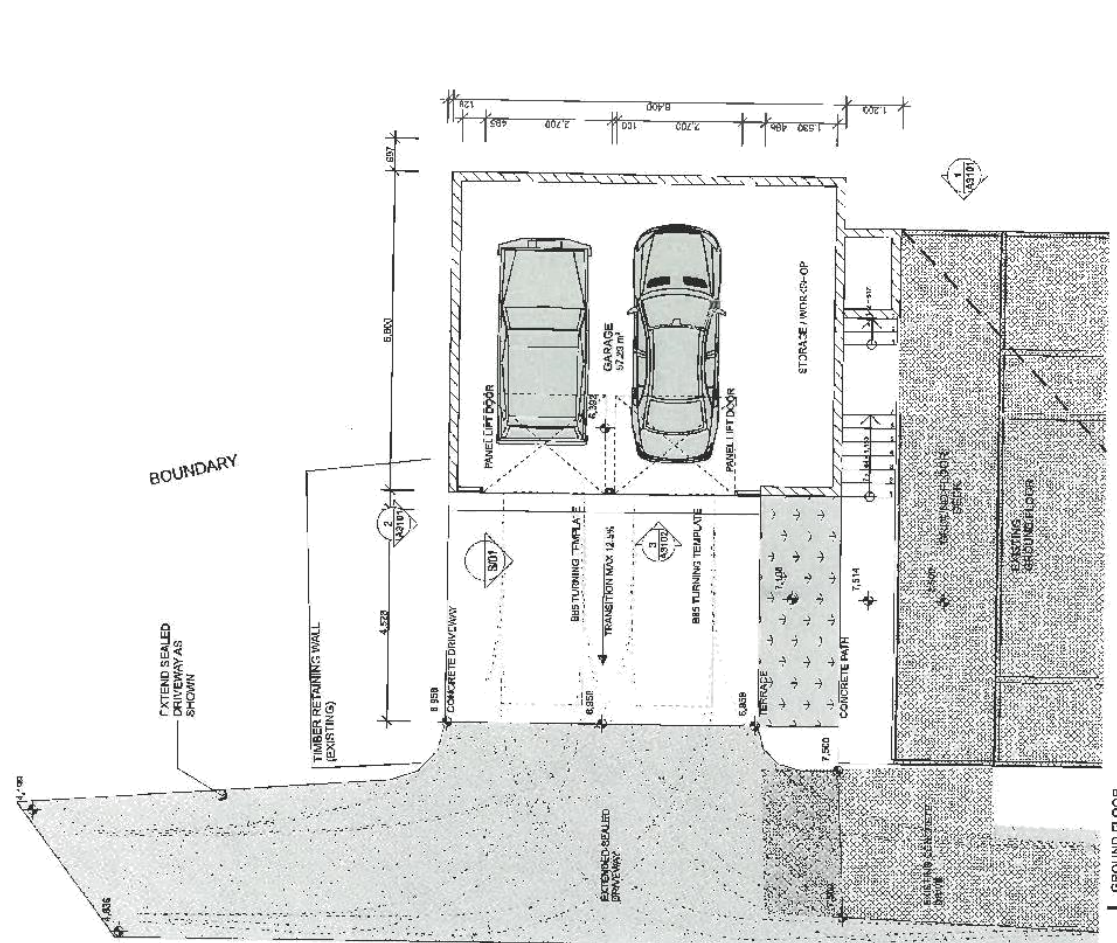




FIRST FLOOR

Client
ANDRIAN CUTHBERTSON
Project Name
NEW GARAGE
Project Address

Drawing Title
FLOOR PLANS - FLOOR PLANS
 Scale: AS SHOWN ON A3
 Date: 10/27/07
 Checked By:
 Drawing No.:
 Revision No.:
 Author:



GROUND FLOOR

Drawings to be used in conjunction with specifications for FIELD LABS and all drawings and documents by engineers and subcontractors referred to in these plans. Contractors are to verify all dimensions on all building components and work or providing shop drawings. Larger scale drawings and certain dimensions take precedence.

DO NOT SCALE FROM DRAWINGS

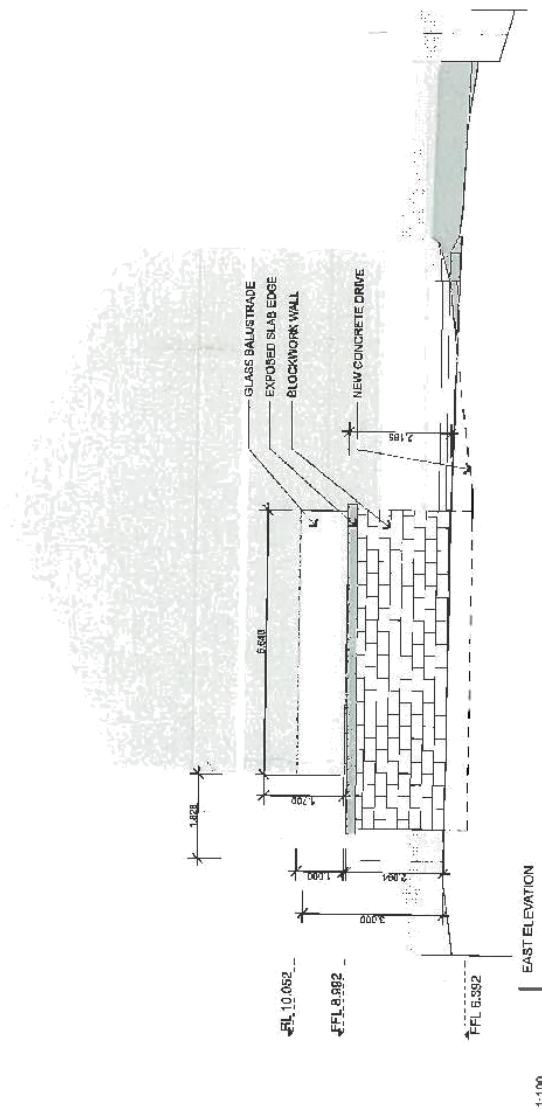
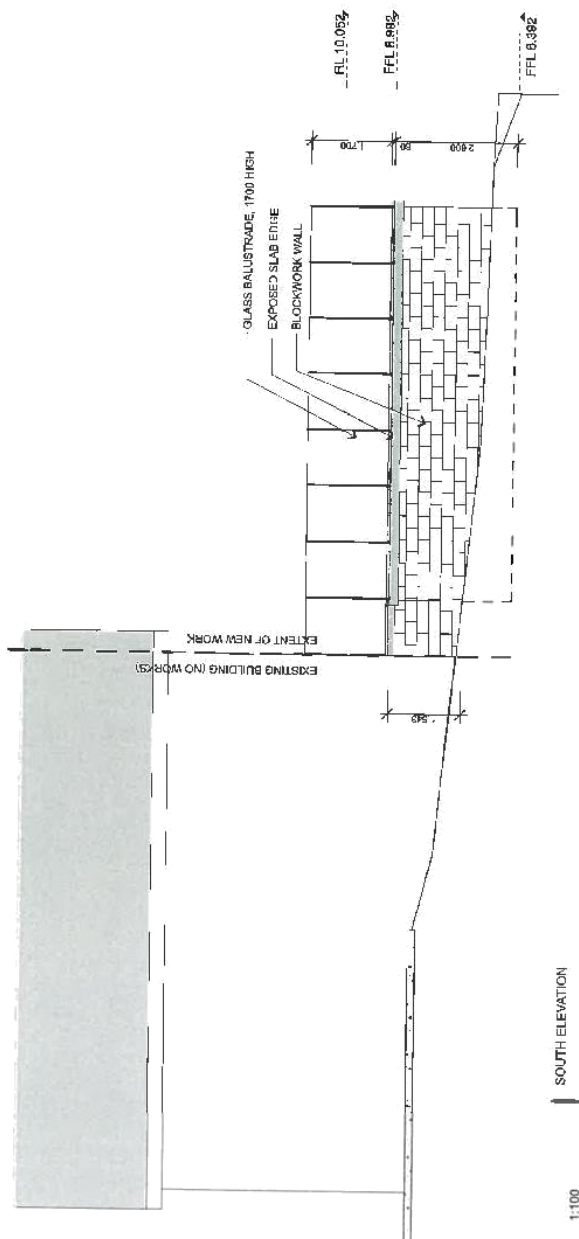
These drawings are provided by the base of copyright and may not be copied or reproduced without the written permission of FIELD LABS.

ALL DIMENSIONS TO BE IN INCHES - TO THE ATTENTION OF THE ARCHITECT.

Telephone:
0427-257-493
Email:
lmaro@feldinx.com.au
Accreditation:
CC 40434

[illegible]

GLENORCHY GLC FINANCIAL PLANNING PROGRAM
 APPLICATION No. 17-111
 PLAN No. P2
 DATE RECEIVED 16/6/2017
 PAGE 3 of 6



Drawn By: PROPOSED - SOUTH / EAST
 Scale: AS SHOWN ON DRAWING
 Station: 04
 Project No. 17-111
 Drawing No. P2-01

Client: ADRIAN CUTHBERTSON
 Project Name: NEW GARAGE
 Project Address: 437 BRIDGES RD, LUTANA

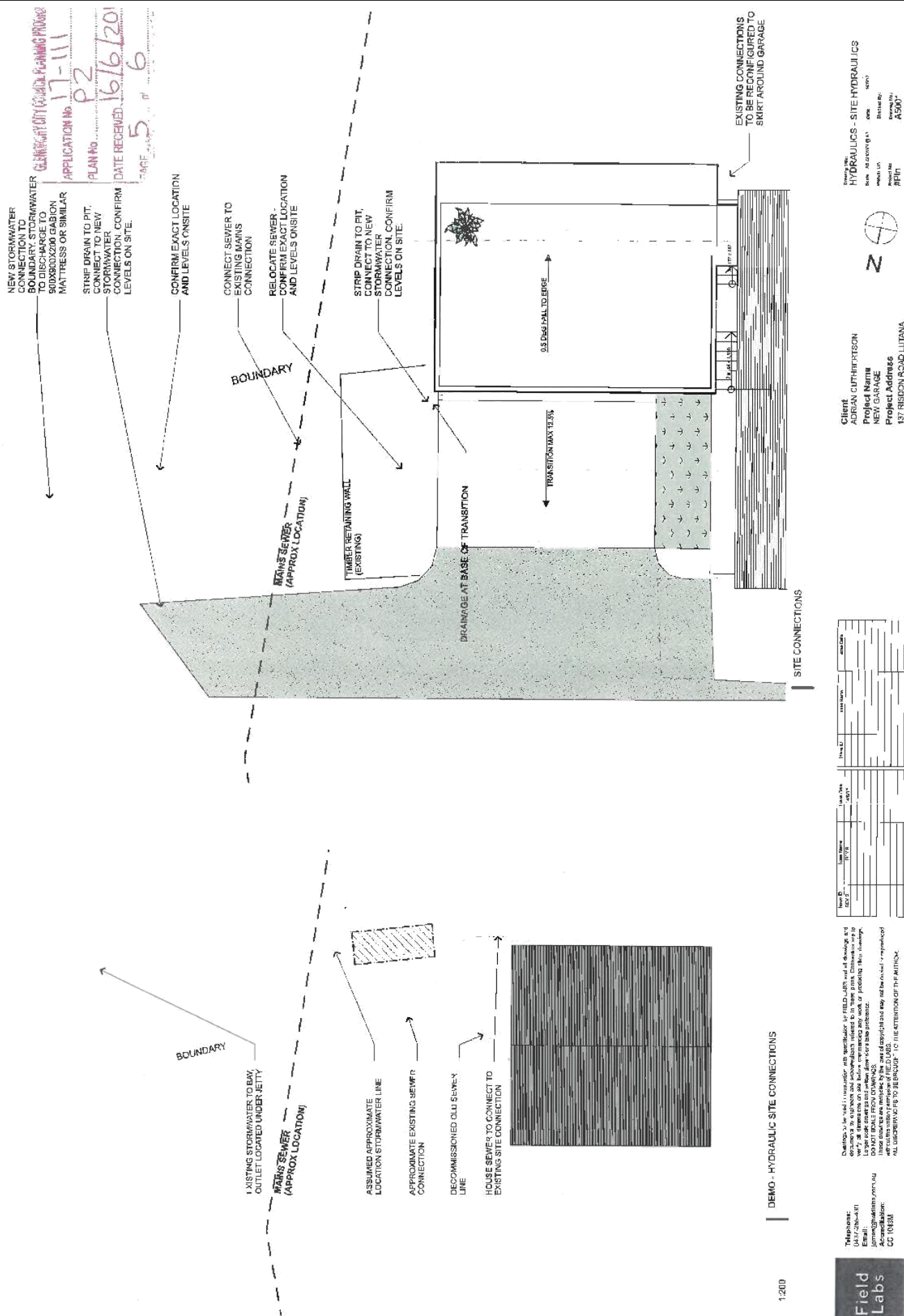
NO.	DATE	BY	REVISION
1	16/06/2017	AD	ISSUED FOR PERMIT

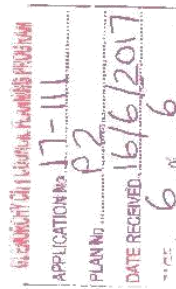
Drawings to be read in conjunction with specification by Field Labs and all drawings and documents by reference and shall be subject to the terms and conditions of the contract. The drawings are to be used for the purpose of the contract and shall not be used for any other purpose without the written permission of Field Labs. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

Telephone: 0437 252 833
 Email: jones@fieldlabs.com.au
 100/100 WILSON ST
 DO 1043N







[illegible]

Unit ID	Unit Name	Issue Date	Issue Date	Issue Date
ETV-A	ETV-A	ETV-A	ETV-A	ETV-A
ETV-B	ETV-B	ETV-B	ETV-B	ETV-B
ETV-C	ETV-C	ETV-C	ETV-C	ETV-C
ETV-D	ETV-D	ETV-D	ETV-D	ETV-D
ETV-E	ETV-E	ETV-E	ETV-E	ETV-E
ETV-F	ETV-F	ETV-F	ETV-F	ETV-F
ETV-G	ETV-G	ETV-G	ETV-G	ETV-G
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ETV-O	ETV-O	ETV-O	ETV-O	ETV-O
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ETV-Y	ETV-Y	ETV-Y	ETV-Y	ETV-Y
ETV-Z	ETV-Z	ETV-Z	ETV-Z	ETV-Z

Client
ADRIAN CUTHBERTSON

Project Name
NEW GARAGE

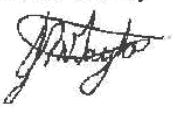
Project Address
137 RISON ROAD LUTANA



PENDING THIS
IMAGES - IMAGES
 MODEL: AC SHOCK Q 23 DATE: 12/08/00 B.J.
 RELEASE: C.F.
 PHOTO #12: A12000
 #Pin



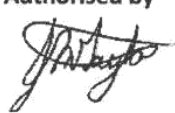
Amended Submission to Planning Authority Notice

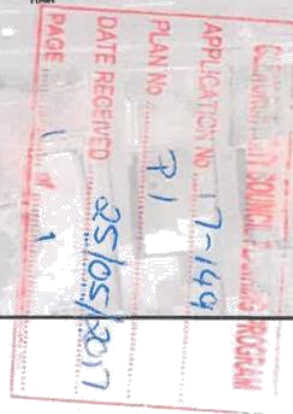
Council Planning Permit No.	PLN-17-111	Council notice date	10/05/2017
TasWater details			
TasWater Reference No.	TWDA 2017/00683-GCC	Date of response	16/05/2017
		Amended	30/06/2017
TasWater Contact	Rachael Wing	Phone No.	03 6345 6346
Response issued to			
Council name	GLENORCHY CITY COUNCIL		
Contact details	gccmail@gcc.tas.gov.au		
Development details			
Address	137 RISDON RD, LUTANA	Property ID (PID)	5442262
Description of development	Garage with rooftop deck		
Schedule of drawings/documents			
Prepared by	Drawing/document No.	Revision No.	Date of Issue
Field Labs	A2001, A2201	B	24/04/2017
Conditions			
Pursuant to the <i>Water and Sewerage Industry Act 2008 (TAS)</i> Section 56P(1) TasWater does not object to the proposed development and no conditions are imposed.			
Advice			
For information on TasWater development standards, please visit http://www.taswater.com.au/Development/Development-Standards			
For application forms please visit http://www.taswater.com.au/Development/Forms			
The developer is responsible for arranging to locate existing TasWater infrastructure and clearly showing it on any drawings. Existing TasWater infrastructure may be located by TasWater (call 136 992) on site at the developer's cost, alternatively a surveyor and/or a private contractor may be engaged at the developers cost to locate the infrastructure.			
TasWater have a small number of townships that are on Boil Water and Do Not Consume Alerts. Please visit http://www.taswater.com.au/News/Outages---Alerts for a current list of these areas.			
Declaration			
The drawings/documents and conditions stated above constitute TasWater's Submission to Planning Authority Notice.			
Authorised by			
 Jason Taylor Development Assessment Manager			
TasWater Contact Details			
Phone	13 6992	Email	development@taswater.com.au
Mail	GPO Box 1393 Hobart TAS 7001	Web	www.taswater.com.au

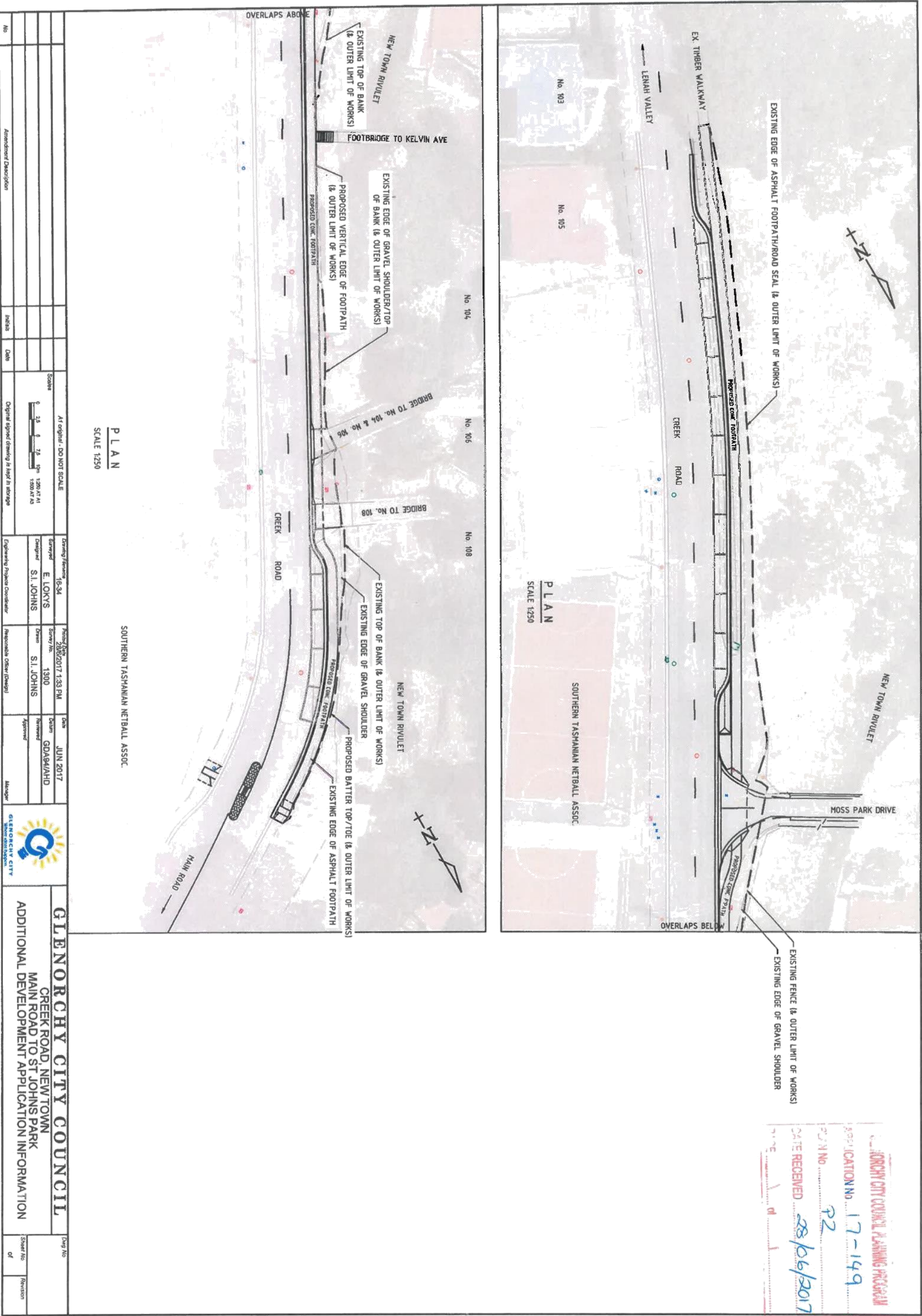




Submission to Planning Authority Notice

Council Planning Permit No.	PLN-17-149	Council notice date	31/05/2017
TasWater details			
TasWater Reference No.	TWDA 2017/00808-GCC	Date of response	08/06/2017
TasWater Contact	Amanda Craig	Phone No.	03) 6345 6318
Response issued to			
Council name	GLENORCHY CITY COUNCIL		
Contact details	gccmail@gcc.tas.gov.au		
Development details			
Address	90 CREEK RD, NEW TOWN	Property ID (PID)	3117933
Description of development	Road Improvements		
Schedule of drawings/documents			
Prepared by	Drawing/document No.	Revision No.	Date of Issue
Glenorchy City Council	Development Application	--	25/05/2017
Conditions			
Pursuant to the <i>Water and Sewerage Industry Act 2008 (TAS)</i> Section 56P(1) TasWater does not object to the proposed development and no conditions are imposed.			
Advice			
For information on TasWater development standards, please visit http://www.taswater.com.au/Development/Development-Standards For application forms please visit http://www.taswater.com.au/Development/Forms The developer is responsible for arranging to locate existing TasWater infrastructure and clearly showing it on any drawings. Existing TasWater infrastructure may be located by TasWater (call 136 992) on site at the developer's cost, alternatively a surveyor and/or a private contractor may be engaged at the developers cost to locate the infrastructure. TasWater have a small number of townships that are on Boil Water and Do Not Consume Alerts. Please visit http://www.taswater.com.au/News/Outages---Alerts for a current list of these areas.			
Declaration			
The drawings/documents and conditions stated above constitute TasWater's Submission to Planning Authority Notice.			
Authorised by			
 Jason Taylor Development Assessment Manager			
TasWater Contact Details			
Phone	13 6992	Email	development@taswater.com.au
Mail	GPO Box 1393 Hobart TAS 7001	Web	www.taswater.com.au





Approved x A



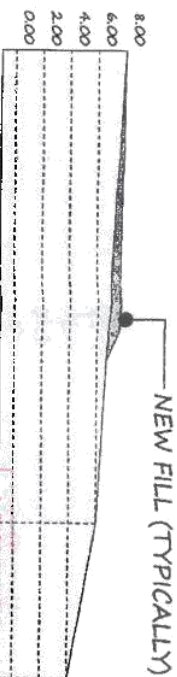
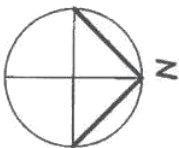
Submission to Planning Authority Notice

Council Planning Permit No.	PLN-16-242	Council notice date	3/11/2016
TasWater details			
TasWater Reference No.	TWDA 2016/01641-GCC	Date of response	09/11/2016
TasWater Contact	Amanda Craig	Phone No.	03) 6345 6318
Response issued to			
Council name	GLENORCHY CITY COUNCIL		
Contact details	gccmail@gcc.tas.gov.au		
Development details			
Address	1 GEPP PDE, DERWENT PARK	Property ID (PID)	2145385
Description of development	Sports ground lighting		
Schedule of drawings/documents			
Prepared by	Drawing/document No.	Revision No.	Date of Issue
Glenorchy City Council	Location Plan	--	31/10/2016
Conditions			
Pursuant to the <i>Water and Sewerage Industry Act 2008 (TAS)</i> Section 56P(1) TasWater does not object to the proposed development and no conditions are imposed.			
Advice			
For information on TasWater development standards, please visit http://www.taswater.com.au/Development/Development-Standards For application forms please visit http://www.taswater.com.au/Development/Forms The developer is responsible for arranging to locate existing TasWater infrastructure and clearly showing it on any drawings. Existing TasWater infrastructure may be located by TasWater (call 136 992) on site at the developer's cost, alternatively a surveyor and/or a private contractor may be engaged at the developers cost to locate the infrastructure. TasWater have a small number of townships that are on Boil Water and Do Not Consume Alerts. Please visit http://www.taswater.com.au/News/Outages---Alerts for a current list of these areas.			
Declaration			
The drawings/documents and conditions stated above constitute TasWater's Submission to Planning Authority Notice.			
Authorised by			
 Jason Taylor Development Assessment Manager			
TasWater Contact Details			
Phone	13 6992	Email	development@taswater.com.au
Mail	GPO Box 1393 Hobart TAS 7001	Web	www.taswater.com.au



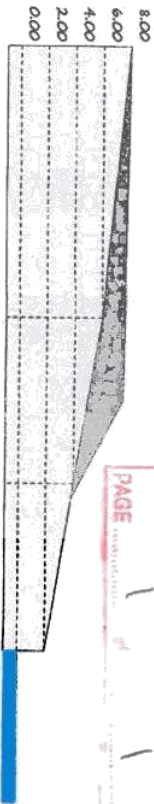
FILL PLAN
SCALE 1:500 @ A3

PRINCE OF WALES BAY RECREATION RESERVE- LIGHTING & LIGHT POLES
1 GEPP PARADE, DERWENT PARK D02



SECTION 01
SCALE 1:500 @ A3

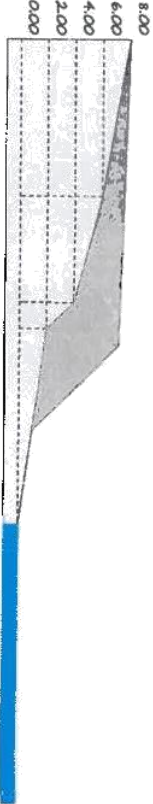
GLENORCHY CITY COUNCIL
APPLICATION NO 16-242
PLAN NO P4
DATE RECEIVED 4/4/2017
PAGE 1



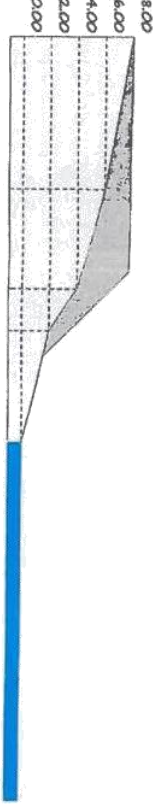
SECTION 02
SCALE 1:500 @ A3



SECTION 03
SCALE 1:500 @ A3



SECTION 04
SCALE 1:500 @ A3



SECTION 05
SCALE 1:500 @ A3

GLENORCHY CITY COUNCIL
REV - 24/03/17





LOCATION PLAN
SCALE 1:2,000 @ A3

PRINCE OF WALES BAY RECREATION RESERVE - LIGHTING & LIGHT POLES
1 GEPP PARADE, DERWENT PARK D01

GENERAL NOTES:

- MAXIMUM LUX AT BOUNDARY = 3,7008 (UNDER 10 LUX AS PER AUSTRALIAN STANDARD)
- OPERATING HOURS OF LIGHTING SYSTEM:
DUSK TO 9:00PM WEEKDAYS
DUSK TO 10:00PM SATURDAYS

GLENORCHY CITY COUNCIL PLANNING PROGRAM

APPLICATION No 16-242

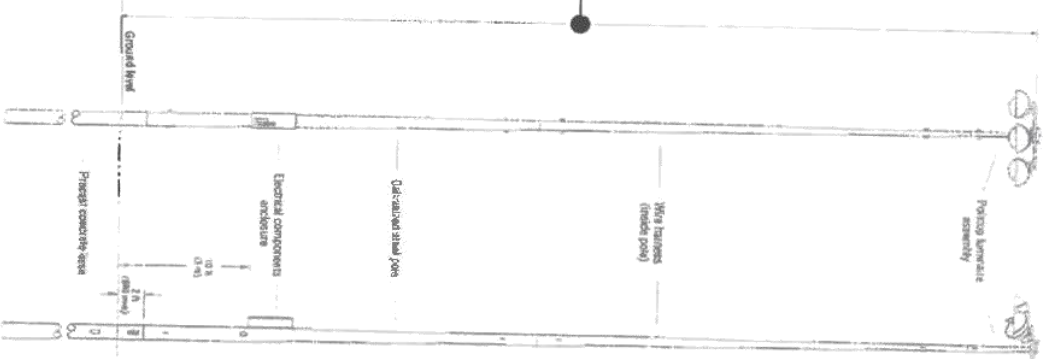
PLAN No P2

DATE RECEIVED 4-11

PAGE 1 of 1

REFER BELOW FOR
LIGHT MOUNTING
HEIGHTS

- HEIGHTS IN (m)
- P1: 18.3
 - P2: 18.3
 - P3: 24.3
 - P4: 24.3
 - P5: 15.2



ELEVATION
SCALE NTS @ A3

GLENORCHY CITY COUNCIL
REV - 31/10/16



Pole / Fixture Summary

Pole ID	Pole Height	Fixture Qty	Lamp Type	Group
P1	18.3	3	1500W MZ	A
		2	1500W MZ	B
P2	18.3	2	1500W MZ	B
		3	1500W MZ	A
P3	24.3	2	1500W MZ	B
		2	1500W MZ	C
		3	1500W MZ	A
P4	24.3	2	1500W MZ	C
		2	1500W MZ	B
		3	1500W MZ	A
P5	15.2	2	1500W MZ	C
5		26		

APPLICATION NO. 16-242
PLAN NO. P1
DATE RECEIVED 1/11/16
USE 2 of 11

Calculation Grid Summary

Grid Name	Calculation Metric	Type	Ave	Min	Max	Min/Max	Min/Ave	Groups	Fixture Qty
Main Soccer - 100Lux	Horizontal Illuminance	Constant	135	71	219	0.32	0.53	A	12
Main Soccer - 200Lux	Horizontal Illuminance	Constant	234	154	326	0.47	0.66	A,B	20
Mini Soccer - 100Lux	Horizontal Illuminance	Constant	116	71.7	200	0.36	0.62	C	6
Spill - Derwent Park Rd	True Max Vert Illuminance	Constant	1.69	0.40	3.70	0.11	0.24	A,B,C	26
Spill - Gepp Parade	True Max Vert Illuminance	Constant	0.83	0.69	1.01	0.69	0.83	A,B,C	26
[Glare] Main Soccer - 100Lux	Glare Rating	Constant	31.5	10	41.7	0.24	0.32	A	12
[Glare] Main Soccer - 200Lux	Glare Rating	Constant	31.7	12.9	39	0.33	0.41	A,B	20
[Glare] Mini Soccer - 100Lux	Glare Rating	Constant	33.5	22.3	41.7	0.53	0.66	C	6

Group Summary

Group	Description	Load	Fixture Qty
A		18.77 kW	12
B		12.51 kW	8
C		9.38 kW	6



MY PROJECT
Name: Prince Of Wales Sports Ground
Location: Derwent Park, TAS

From Hometown to Professional

We Make It Happen®

ENGINEERED DESIGN
By: Sunnie
File # / Date: 181597A2 05-Aug-16

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PROJECT SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN									
Pole			Luminaires						
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
2	P1-P2	18.3m	-	18.3m	1500W MZ	5	5	0	
2	P3-P4	24.3m	-	24.3m	1500W MZ	7	5	2	
4						24	20	4	
TOTALS									

01/08/2016 11:11:16 AM

APPLICATION No. 16-242

PLAN No. P1

DATE RECEIVED 1/11/16

PAGE 3 of 11



MY PROJECT

Name: Prince Of Wales Sports Ground

Location: Derwent Park, TAS

GRID SUMMARY

Name: Main Soccer - 200Lux

Size: 100.0m x 64.0m

Spacing: 5.0m x 5.0m

Height: 0.0m above grade

CONSTANT ILLUMINATION

SUMMARY

Entire Grid

HORIZONTAL LUX

Scan Average: 234.36

Maximum: 325.68

Minimum: 153.77

Min / Avg: 0.66

Min / Max: 0.47

UG (adjacent pts): 1.55

CU: 0.57

No. of Points: 260

LUMINAIRE INFORMATION

Luminaire Type: Green Generation

Design Usage Hours: 5,000 hours

Design Lumens: 134,000

Avg Lamp Tilt Factor: 1.000

No. of Luminaires: 20

Avg KW: 31.28 (34.0 max)

Guaranteed Performance: The CONSTANT ILLUMINATION described above is guaranteed for the design usage hours of the system.

Field Measurements: Illumination measured in accordance with IESNA RP-6-15 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN

By: Sunnie

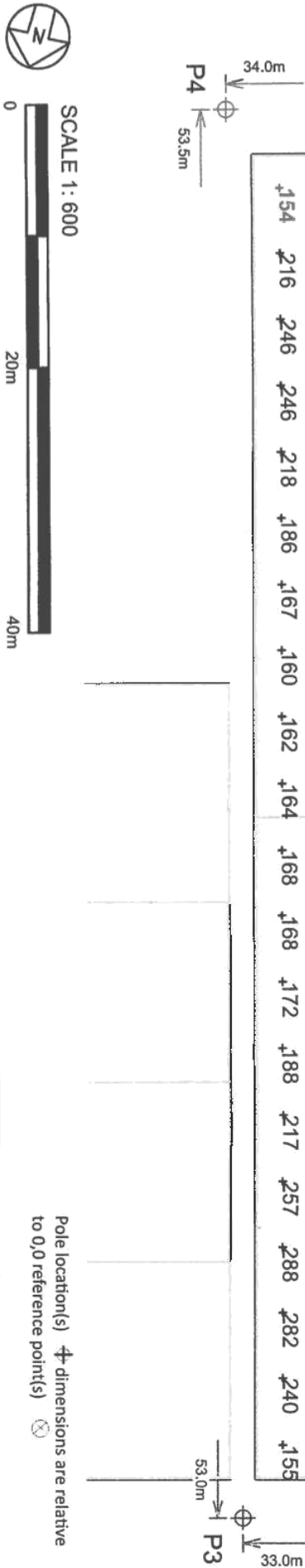
File # / Date: 181597A2

05-Aug-16

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ILLUMINATION SUMMARY

159	218	280	304	282	226	185	204	259	272	268	271	283	262	201	153	249	280	236	176
181	235	272	310	311	282	261	282	306	301	302	321	321	299	260	268	308	314	276	217
177	222	257	304	309	285	291	294	311	314	300	301	299	288	275	283	326	312	262	214
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190	224	246	256	244	235	275	242	245	265	258	228	213	244	228	234	283	289	262	217
182	213	236	245	231	222	228	220	229	247	235	206	193	201	201	220	259	274	259	227
172	207	233	241	227	205	189	193	210	221	208	185	173	177	192	219	247	250	232	208
184	217	240	236	218	195	170	170	184	192	180	166	171	189	214	244	242	211	185	
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235	279	283	276	261	220	183	168	165	168	169	174	190	212	236	256	261	275	251	204
241	280	304	308	280	223	189	177	175	179	181	186	200	226	263	303	309	292	259	212
209	268	293	290	247	205	184	176	178	182	185	186	194	216	258	302	325	307	263	187
154	216	246	246	218	186	167	160	162	164	168	168	172	188	217	257	288	282	240	156



EQUIPMENT LIST FOR AREAS SHOWN									
Pole			Luminaires						
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
2	P1-P2	18.3m	-	18.3m	1500W MZ	5	3	2	
2	P3-P4	24.3m	-	24.3m	1500W MZ	7	3	4	
4						24	12	12	
TOTALS									

APPLICATION NO

16-242

PLAN No

P1

DATE RECEIVED

1/11/16

Drawn by

4 of 11



MY PROJECT
Name: Prince Of Wales Sports Ground
Location: Derwent Park, TAS

GRID SUMMARY
Name: Main Soccer - 100Lux
Size: 100.0m x 64.0m
Spacing: 5.0m x 5.0m
Height: 0.0m above grade

CONSTANT ILLUMINATION

SUMMARY

Entire Grid

HORIZONTAL LUX

Scan Average: 135.11

Maximum: 219.39

Minimum: 71.02

Min / Avg: 0.53

Min / Max: 0.32

UG (adjacent pts): 1.61

CU: 0.55

No. of Points: 260

LUMINAIRE INFORMATION

Luminaire Type: Green Generation

Design Usage Hours: 5,000 hours

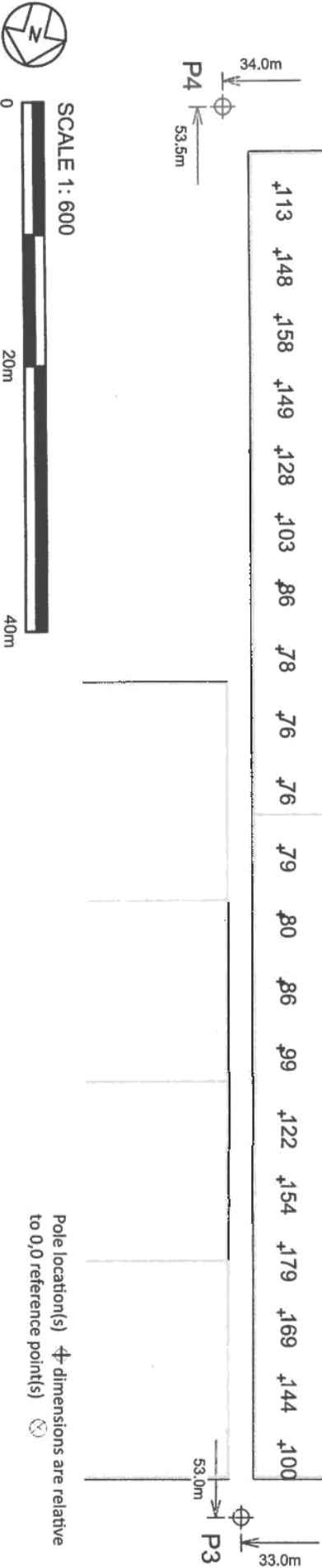
Design Lumens: 134,000

Avg Lamp Tilt Factor: 1.000

No. of Luminaires: 12

Avg KW: 18.77 (20.4 max)

121	151	181	196	171	123	92	107	151	155	135	121	120	125	119	135	180	213	190	151
116	137	152	168	163	152	126	129	158	168	180	194	192	188	178	192	199	195	176	153
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85	104	126	145	150	151	139	101	107	144	169	186	194	219	219	196	194	185	134	101
96	112	130	140	145	132	126	88	90	127	152	157	160	197	185	178	180	179	143	108
105	121	139	145	140	121	101	77	82	109	130	131	130	145	153	166	180	178	152	122
109	126	142	145	132	107	83	71	77	95	103	103	97	103	126	154	173	172	148	125
118	133	150	142	122	99	80	73	76	84	84	78	77	82	103	136	161	162	144	126
136	156	166	148	131	108	88	80	78	77	73	72	75	80	95	122	153	168	154	137
162	180	180	171	151	117	95	86	80	76	75	76	83	95	113	132	148	175	174	155
170	183	189	183	154	119	98	88	82	81	82	84	91	109	140	170	173	175	172	157
151	180	189	173	141	114	96	87	83	83	85	86	93	106	137	174	192	180	165	130
113	148	158	149	128	103	86	78	76	76	79	80	86	99	122	154	179	169	144	100



Pole location(s) + dimensions are relative to 0.0 reference point(s)

ENGINEERED DESIGN
By: Sumie
File # / Date: 181597A2
05-Aug-16

ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN									
Pole			Luminaires						
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
2	P1-P2	18.3m	-	18.3m	1500W MZ	5	5	0	
2	P3-P4	24.3m	-	24.3m	1500W MZ	7	5	2	
4	TOTALS					24	20	4	

GLARE RATING: Max Reading

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APPLICATION No. 16-242

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MY PROJECT

Name: Prince Of Wales Sports Ground

Location: Derwent Park, TAS

GRID SUMMARY

Name: [Glare] Main Soccer - 200Lux

Size: 100.0m x 64.0m

Spacing: 5.0m x 5.0m

Height: 1.5m above grade

CONSTANT ILLUMINATION

SUMMARY

Entire Grid

GLARE RATING: Max Reading

Scan Average: 31.69

Maximum: 39.01

Minimum: 12.93

No. of Points: 260

LUMINAIRE INFORMATION

Luminaire Type: Green Generation

Design Usage Hours: 5,000 hours

Design Lumens: 134,000

Avg Lamp Tilt Factor: 1.000

No. of Luminaires: 20

Avg KW: 31.28 (34.0 max)

Guaranteed Performance: The CONSTANT ILLUMINATION described above is guaranteed for the design usage hours of the system.

Field Measurements: Illumination measured in accordance with IESNA RP-6-15 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN

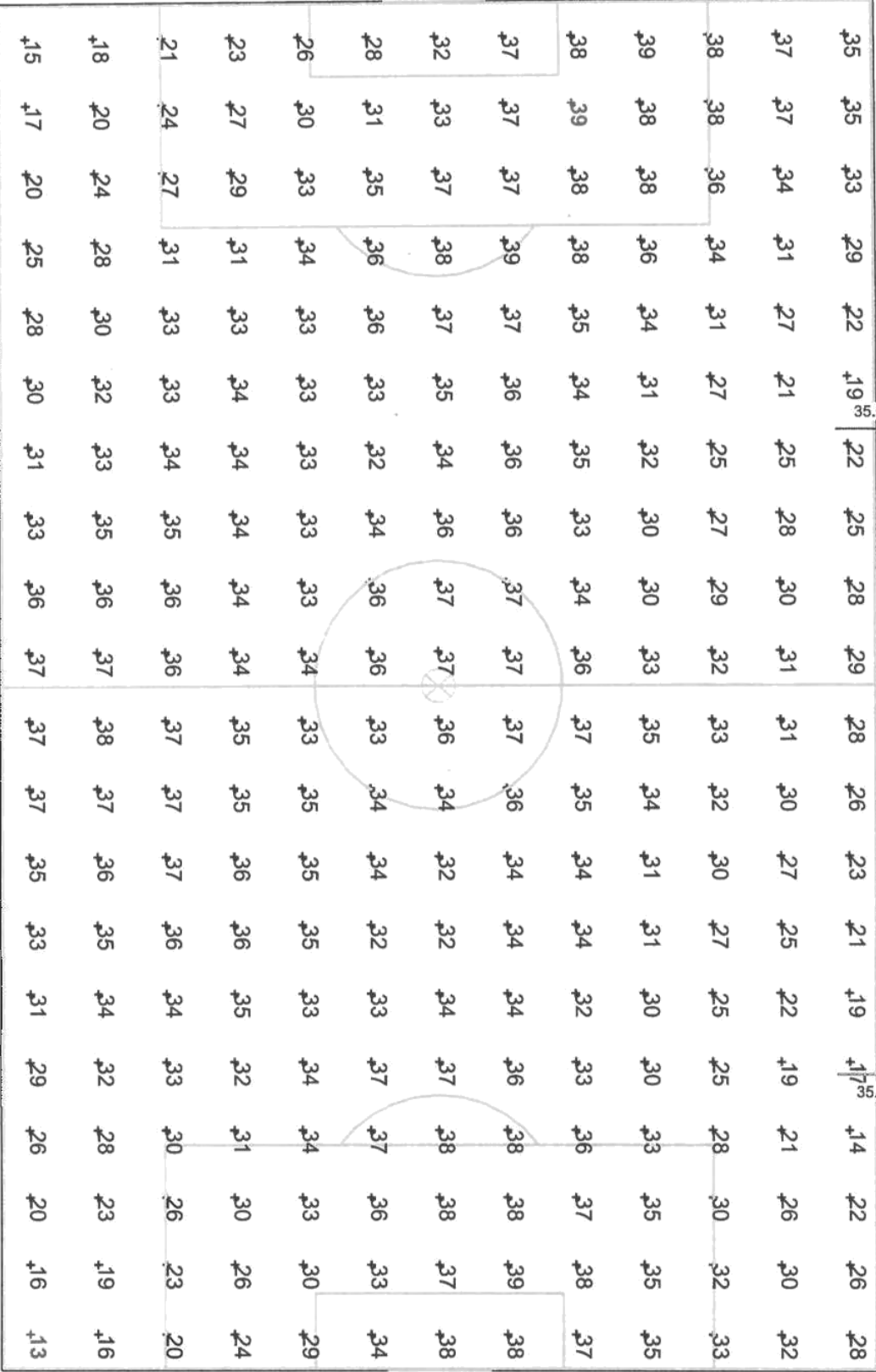
By: Sunnie

File # / Date: 181597A2

05-Aug-16

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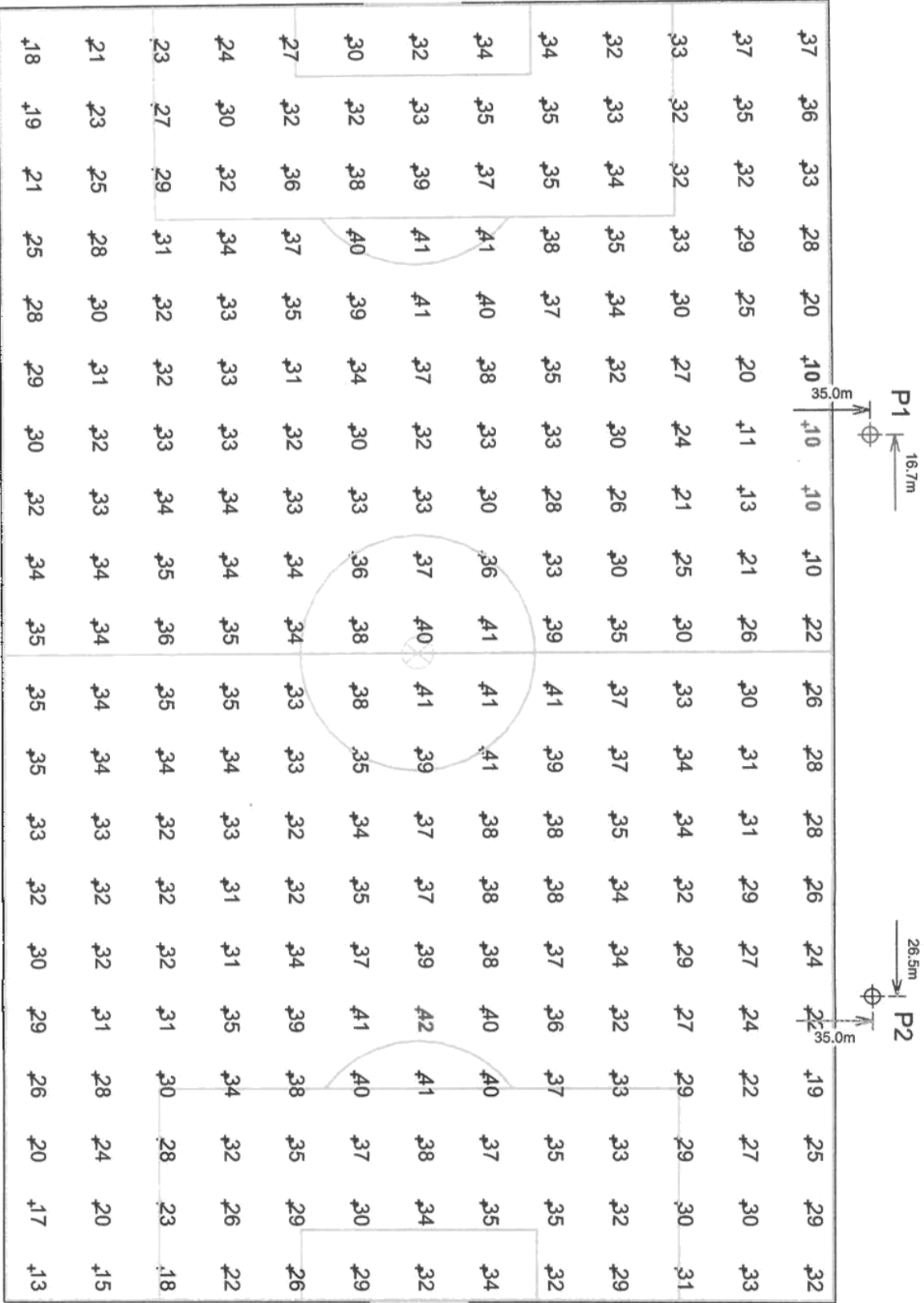
ILLUMINATION SUMMARY



Pole location(s) + dimensions are relative to 0,0 reference point(s)

EQUIPMENT LIST FOR AREAS SHOWN									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY/POLE	THIS GRID	OTHER GRIDS	
2	P1-P2	18.3m	-	18.3m	1500W MZ	5	3	2	
2	P3-P4	24.3m	-	24.3m	1500W MZ	7	3	4	
4						24	12	12	
				TOTALS					

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Pole location(s) + dimensions are relative to 0,0 reference point(s)



MY PROJECT
Name: Prince Of Wales Sports Ground
Location: Derwent Park, TAS

GRID SUMMARY
Name: [Glare] Main Soccer - 100Lux
Size: 100.0m x 64.0m
Spacing: 5.0m x 5.0m
Height: 1.5m above grade

CONSTANT ILLUMINATION

SUMMARY
Entire Grid
GLARE RATING: Max Reading
Scan Average: 31.51
Maximum: 41.66
Minimum: 10.00
No. of Points: 260

LUMINAIRE INFORMATION
Luminaire Type: Green Generation
Design Usage Hours: 5,000 hours
Design Lumens: 134,000
Avg Lamp Tilt Factor: 1.000
No. of Luminaires: 12
Avg KW: 18.77 (20.4 max)

Guaranteed Performance: The CONSTANT ILLUMINATION described above is guaranteed for the design usage hours of the system.

Field Measurements: Illumination measured in accordance with IESNA RP-6-15 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

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ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
2	P3-P4	24.3m	-	24.3m	1500W MZ	7	2	5	
1	P5	15.24m	-	15.24m	1500W MZ	2	2	0	
3	TOTALS			15.24m	1500W MZ	16	6	10	

Application No. 16-242

PLAN No. P1

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MY PROJECT
Name: Prince Of Wales Sports Ground
Location: Derwent Park, TAS

GRID SUMMARY
Name: Mini Soccer - 100Lux
Size: 60.0m x 40.0m
Spacing: 5.0m x 5.0m
Height: 0.0m above grade

CONSTANT ILLUMINATION

SUMMARY

Entire Grid

HORIZONTAL LUX

Scan Average: 116.21

Maximum: 199.81

Minimum: 71.71

Min / Avg: 0.62

Min / Max: 0.36

UG (adjacent pts): 1.79

CU: 0.35

No. of Points: 96

LUMINAIRE INFORMATION

Luminaire Type: Green Generation

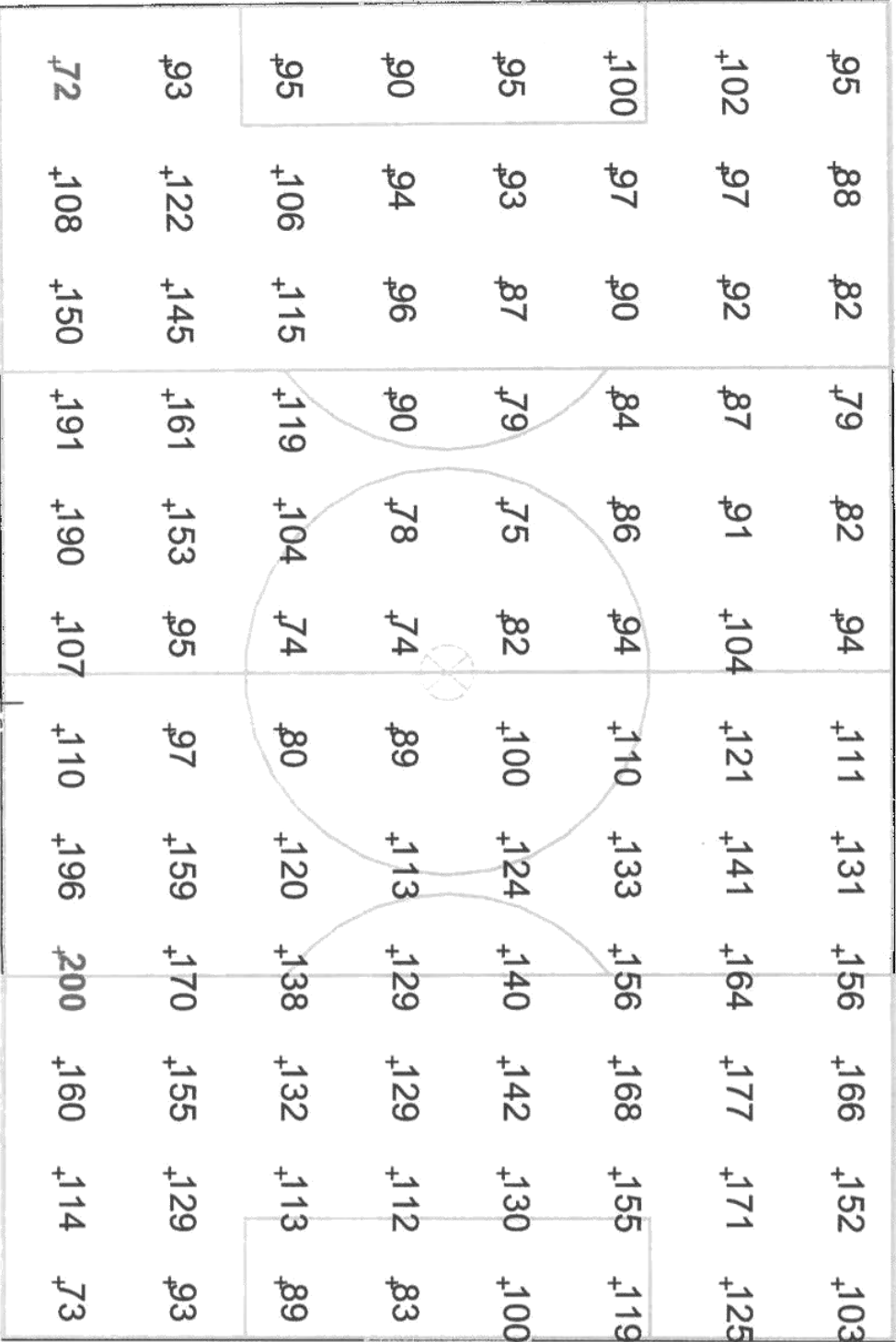
Design Usage Hours: 5,000 hours

Design Lumens: 134,000

Avg Lamp Tilt Factor: 1.000

No. of Luminaires: 6

Avg KW: 9.38 (10.2 max)



Pole location(s) + dimensions are relative to 0.0 reference point(s)

ENGINEERED DESIGN
By: Sunnie
File # / Date: 181597A2
05-Aug-16

ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY/ POLE	THIS GRID	OTHER GRIDS	
2	P3-P4	24.3m	-	24.3m	1500W MZ	7	2	5	
1	P5	15.24m	-	15.24m	1500W MZ	2	2	0	
3	TOTALS					16	6	10	

APPLICATION No 16-242

PLAN No P1

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MY PROJECT

Name: Prince Of Wales Sports Ground

Location: Derwent Park, TAS

GRID SUMMARY

Name: [Glare] Mini Soccer - 100Lux

Size: 60.0m x 40.0m

Spacing: 5.0m x 5.0m

Height: 1.5m above grade

CONSTANT ILLUMINATION

SUMMARY

Entire Grid

GLARE RATING: Max Reading

Scan Average: 33.54

Maximum: 41.70

Minimum: 22.28

No. of Points: 96

LUMINAIRE INFORMATION

Luminaire Type: Green Generation

Design Usage Hours: 5,000 hours

Design Lumens: 134,000

Avg Lamp Tilt Factor: 1.000

No. of Luminaires: 6

Avg KW: 9.38 (10.2 max)

Guaranteed Performance: The CONSTANT ILLUMINATION described above is guaranteed for the design usage hours of the system.

Field Measurements: Illumination measured in accordance with IESNA RP-6-15 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN

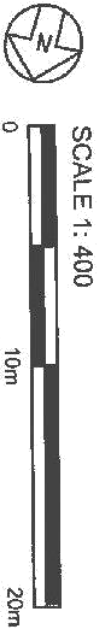
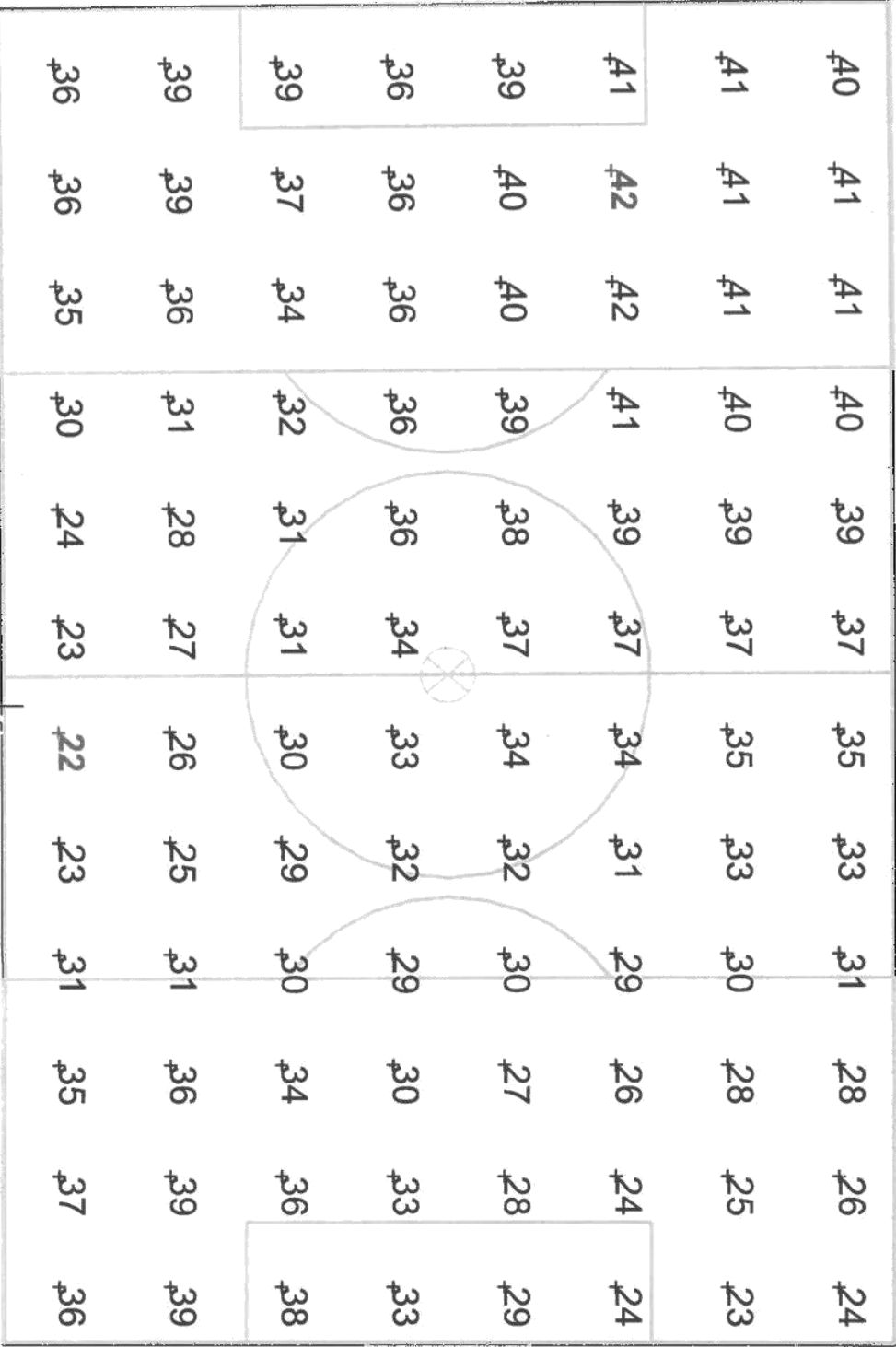
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ILLUMINATION SUMMARY



Pole location(s) + dimensions are relative to 0,0 reference point(s)

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Name:	Prince Of Wales Sports Ground
Location:	Derwent Park,TAS

Name: Spill - Derwent Park Rd
Spacing: 10.0m
Height: 1.5m above grade

MAX VERTICAL LUX

1.6860

0.3990

2

Luminaire Type: Green Generation

Design Usage Hours: 5,000 hours

Design Lumens: 134,000

Avg Lamp Tilt Factor: 1.000

No. of Luminaires: 26

Avg KW: 40.66 (44.2 max)

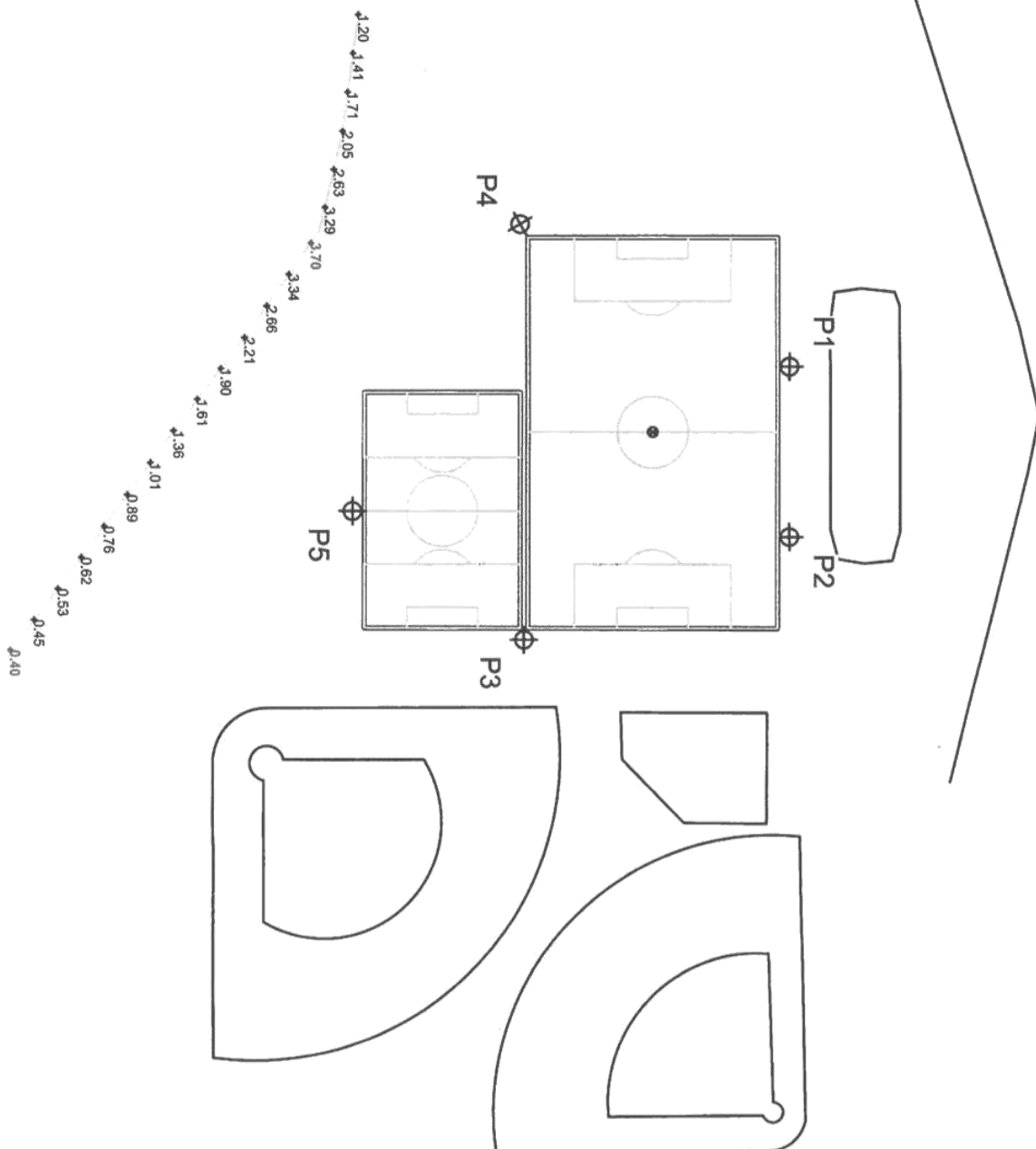
Guaranteed Performance: The CONSTANT ILLUMINATION described above is guaranteed for the design usage hours of the system.

usage hours of the system.

Field Measurements: Illumination measured in accordance with IESNA RP-6-15 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume $\pm 3\%$ nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.



Pole location(s) $\neq$ dimensions are relative to 0,0 reference point(s) $\otimes$

By: **Sunnie**

File # / Date: 181597A2

05-Aug-16

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ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
2	P1-P2	18.3m	-	18.3m	1500W MZ	5	5	0	
2	P3-P4	24.3m	-	24.3m	1500W MZ	7	7	0	
1	P5	15.24m	-	15.24m	1500W MZ	2	2	0	
5	TOTALS					26	26	0	

Application No. 16-242

PLAN No. P1

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FILE NO. 10 OF 11



MY PROJECT
Name: Prince Of Wales Sports Ground
Location: Derwent Park, TAS

GRID SUMMARY
Name: Spill - Gepp Parade
Spacing: 10.0m
Height: 1.5m above grade

CONSTANT ILLUMINATION

SUMMARY

Entire Grid

Scan Average: 0.8326

Maximum: 1.0125

Minimum: 0.6942

No. of Points: 23

LUMINAIRE INFORMATION

Luminaire Type: Green Generation

Design Usage Hours: 5,000 hours

Design Lumens: 134,000

Avg Lamp Tilt Factor: 1.000

No. of Luminaires: 26

Avg KW: 40.66 (44.2 max)

MAX VERTICAL LUX

Guaranteed Performance: The CONSTANT ILLUMINATION described above is guaranteed for the design usage hours of the system.

Field Measurements: Illumination measured in accordance with IESNA RP-6-15 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

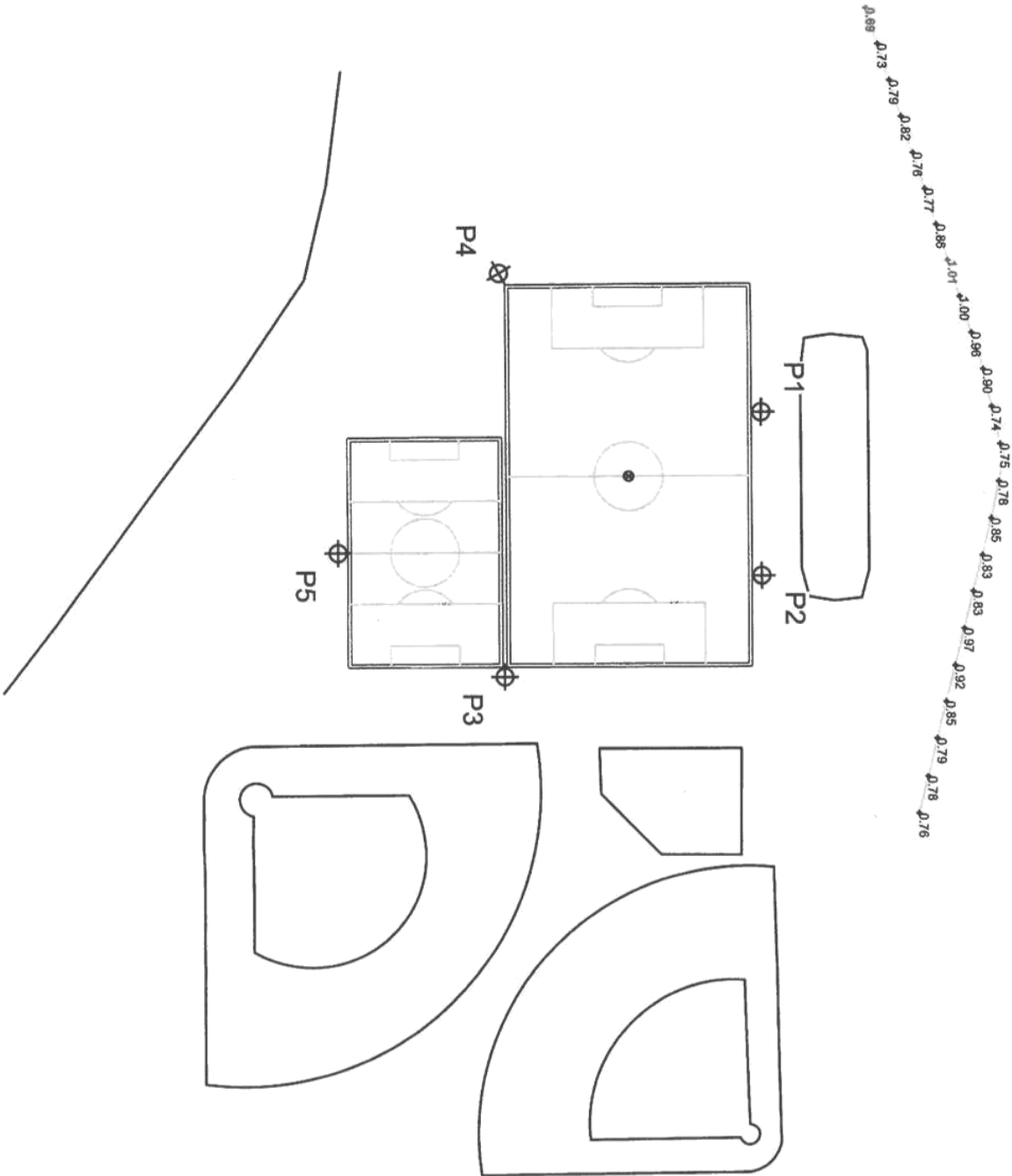
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN
By: Sunnie
File # / Date: 181597A2 05-Aug-16

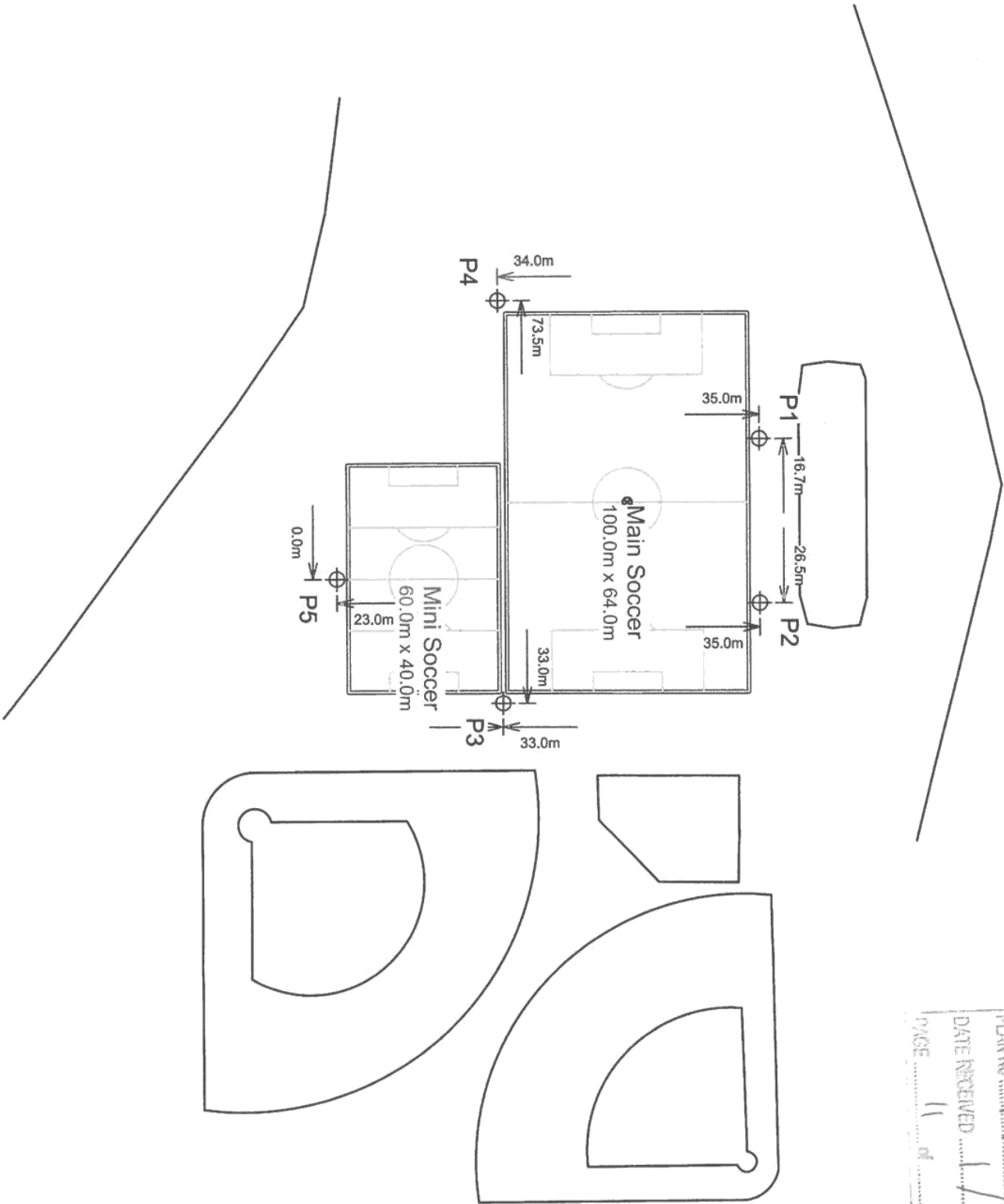
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ILLUMINATION SUMMARY





SCALE 1: 2000



APPLICATION No. 16-242
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MY PROJECT
Name: Prince Of Wales Sports Ground
Location: Derwent Park, TAS

EQUIPMENT LAYOUT

INCLUDES:

- Main Soccer
- Mini Soccer

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires		
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE
2	P1-P2	18.3m	-	18.3m	1500W MZ	5
2	P3-P4	24.3m	-	24.3m	1500W MZ	7
1	P5	15.24m	-	15.24m	1500W MZ	2
5	TOTALS					26

SINGLE LUMINAIRE AMPERAGE DRAW CHART

Ballast Specifications (.50 min power factor)		Line Amperage Per Luminaire (max draw)					
Single Phase Voltage		220 (50)	230 (50)	240 (50)	380 (50)	400 (50)	415 (50)
1500 watt MZ		8.3	7.7	7.5	4.7	4.4	4.2

ENGINEERED DESIGN

By: Sunnie
File # / Date: 181597A2
05-Aug-16

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EQUIPMENT LAYOUT