

LUMINAIRES

SYMBOL	LIGHT SOURCE WATTAGE LUMENS	COLOUR TEMP (CRI)	MOUNTING STYLE (IP)	OPTIC	COLOUR	CONTROL	STATUS MAKE AND MODEL, OR EQUAL	ADDITIONAL REQUIREMENTS
DEM	-	-	-	-	-	-	EXISTING STREETLIGHT TO BE REMOVED	-
○	-	-	-	-	-	-	EXISTING STREETLIGHT TO REMAIN	-
⊙	LED 72W	4000K	MOUNTED ON 6m COLUMN	S60	-	-	EXISTING WE-EF VFL540 TO REMAIN	-
⊔	LED 6W	3000K	CONCRETE RECESSED IP68	120° WALL WASH	-	-	EXISTING DIGILIN TAIPAN FLARE	-
⊙	LED 72W 7,550lm	4000K	MOUNTED ON 9m COLUMN WITH 3m OUTREACH ARM	R65	GREY ALUMINIUM	PE CELL AND NEMA BASE	NEW WE-EF VFL540-SE	COLUMN TYPE SHALL BE MULTIPOLE. DEM = DENOTES IN STALLED IN ONE STAGE AND REMOVED IN ANOTHER. REFER TO THE NOTES ON THE DRAWINGS.
⊙	LED 48W 5,840lm	4000K	MOUNTED ON COLUMN AT 6m AFFL WITH 0.6m OUTREACH ARM	R65	GREY ALUMINIUM	PE CELL AND NEMA BASE	NEW WE-EF VFL540-SE	COLUMN TYPE SHALL BE MULTIPOLE.
⊙	LED 48W 5,840lm	4000K	MOUNTED ON 6m COLUMN	R65	ELECTRO MEDIUM BRONZE	PE CELL AND NEMA BASE	NEW WE-EF VFL540-SE	COLUMN TYPE SHALL BE TAPERED ROUND, WITH RAG BOLT ASSEMBLY, CUSTOM TOP AND COLOUR ELECTRO MEDIUM BRONZE TO MATCH HENRY ROLAND PARK COLUMNS. DEM = DENOTES IN STALLED IN ONE STAGE AND REMOVED IN ANOTHER. REFER TO THE NOTES ON THE DRAWINGS.
⊙	LED	4000K	HANDRAIL LIGHTING	ASYMMETRICAL	-	-	NEW HANDRAIL LUMINAIRE	-
⊙	LED 24W	4000K	MOUNTED ON 6m COLUMN	A60	ELECTRO MEDIUM BRONZE	PE CELL AND NEMA BASE	NEW WE-EF VFL540-SE	COLUMN TYPE SHALL BE TAPERED ROUND, WITH RAG BOLT ASSEMBLY, CUSTOM TOP AND COLOUR ELECTRO MEDIUM BRONZE TO MATCH HENRY ROLAND PARK COLUMNS.
⊙	LED 48W 5,840lm	4000K	MOUNTED ON 9m COLUMN. LUMINAIRE SHALL BE MOUNTED AT 6m AFFL WITH 0.6m OUTREACH ARM	R65	GREY ALUMINIUM	PE CELL AND NEMA BASE	NEW WE-EF VFL540-SE	COLUMN TYPE SHALL BE MULTIPOLE. COLUMN HEIGHT OF 9m IS TO ALLOW FOR FUTURE INSTALLATION OF TYPE 'A' LUMINAIRE.
⊙	LED 24W	4000K	MOUNTED ON 6m COLUMN	R65	ELECTRO MEDIUM BRONZE	PE CELL AND NEMA BASE	NEW WE-EF VFL530-SE	COLUMN TYPE SHALL BE TAPERED ROUND, WITH RAG BOLT ASSEMBLY, CUSTOM TOP AND COLOUR ELECTRO MEDIUM BRONZE TO MATCH HENRY ROLAND PARK COLUMNS.
⊙	LED	4000K	SURFACE MOUNTED	TBC	TBC	MOTION SENSOR OR PE CELL	NEW DOWNLIGHT TBC	-
⊙	LED 20W 2880lm	4000K	SURFACE MOUNTED (IP67, IK09)	WIDE BEAM	BLACK	MOTION SENSOR	NEW WE-EF VLR120	-

NOTATIONS FOR POWER & COMMUNICATIONS

NOTATION	DESCRIPTION
15A	15Amp SINGLE PHASE OUTLET.
XXASP	SINGLE PHASE OUTLET AMPERE RATING
XXATP	THREE PHASE OUTLET AMPERE RATING
C	MOUNTED ON UNDERSIDE OF CEILING.
B	INSTALLED 300mm ABOVE BENCH OR DESK TOP OR AS SHOWN ON ARCHITECTURAL ELEVATIONS DRAWINGS.
WP	WEATHERPROOF OUTLET (IP56).

NUMBERS ADJACENT (LESS THAN 100) DENOTES MULTIPLE NUMBER OF OUTLETS.
NUMBERS ADJACENT (GREATER THAN 100) DENOTES MOUNTING HEIGHT TO THE
CENTRELINE OF OUTLET.
INSTALL THE OUTLETS AT 350 AFFL TO CENTERLINE OF OUTLET UNLESS SHOWN
OTHERWISE.

MECHANICAL

SYMBOL	DESCRIPTION
⊔	ROOF MOUNTED EXHAUST FAN
▽	30mm DOOR UNDERCUT
▽	600x450 DOOR GRILLE
⊔	200x200 EXHAUST GRILLE

GENERAL NOTE:

- ALL CONDUIT SIZES WILL BE CONFIRMED IN THE NEXT DOCUMENTATION ISSUE. ONCE USER REQUIREMENTS HAVE BEEN CONFIRMED.

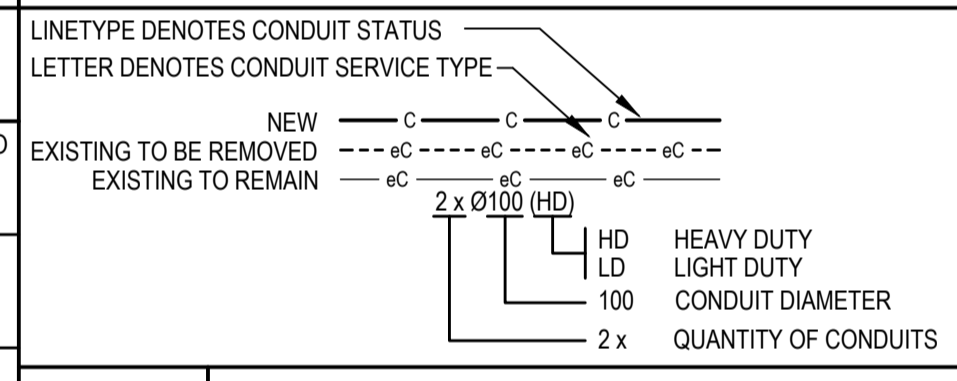
LIGHTING

POWER

CONDUITS & INGROUND SERVICES

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
⊙	NEW MOTION SENSOR.	⊔	SINGLE OR DOUBLE GENERAL PURPOSE POWER OUTLET. EQUAL TO HPM EXCEL LIFE OR CLIPSA 2000 RANGE. REFER TO STANDARD NOTATIONS ADJACENT LEGEND.
PE	NEW PE CELL TO CONTROL EXTERNAL LIGHTING. PE CELL SHALL BE COMPATIBLE WITH THE TCCS ITRON SYSTEM.	⊔	EXISTING MINIPILLAR TO REMAIN.
		⊔	EXISTING METER PANEL TO REMAIN.
		⊔	EXISTING STREET LIGHTING CONTROL CUBICLE TO REMAIN. N = NEW.
		⊔	EXISTING SUBSTATION OR SWITCHBOARD TO REMAIN. N = NEW.
		⊔	NEW POWER BOX.
		WB	NEW WATERPLAY CONTROL BOARD.

SYMBOL	DESCRIPTION
NTD	NEW NBN NETWORK TERMINAL DEVICE.
COM	EXISTING COMMUNICATIONS CABINET TO REMAIN. N = NEW.



SYMBOL	DESCRIPTION
HV	HIGH VOLTAGE CONDUITS. CONDUIT LOCATIONS SHOWN ARE INDICATIVE ONLY. ORANGE HDU-PVC ELECTRICAL CONDUIT, SIZE AND QUANTITY AS INDICATED ON DRAWING.
LV	LOW VOLTAGE CONDUITS CONDUIT LOCATIONS SHOWN ARE INDICATIVE ONLY. ORANGE HDU-PVC ELECTRICAL CONDUIT, SIZE AND QUANTITY AS INDICATED ON DRAWING.
NBN	NBN COMMUNICATIONS CONDUITS. CONDUIT LOCATIONS SHOWN ARE INDICATIVE ONLY. WHITE PVC COMMUNICATIONS CONDUIT, SIZE AND QUANTITY AS INDICATED ON DRAWING.
C	COMMUNICATIONS CONDUITS. WHITE PVC COMMUNICATIONS CONDUIT, SIZE AND QUANTITY AS INDICATED ON DRAWING.

SYMBOL	DESCRIPTION
PIT	PIT, CLASS C AND DRAINED. C = DENOTES COMMUNICATIONS PIT. E = DENOTES ELECTRICAL PIT. X = DENOTES PIT STATUS. D = EXISTING PIT TO BE DEMOLISHED. E = EXISTING PIT TO REMAIN. N = NEW PIT. R = RELOCATED EXISTING PIT.

Issue	Description	Date	Drawn	Approved
02	FOR WORKS APPROVAL	12.05.23	DO	AB
01	75% ISSUE	02.12.22	DO	AB

Client
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Landscape Architect
ASPECT STUDIOS



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Project
ACTON WATERFRONT

Drawing Title
**LEGEND
ELECTRICAL & MECHANICAL SERVICES**

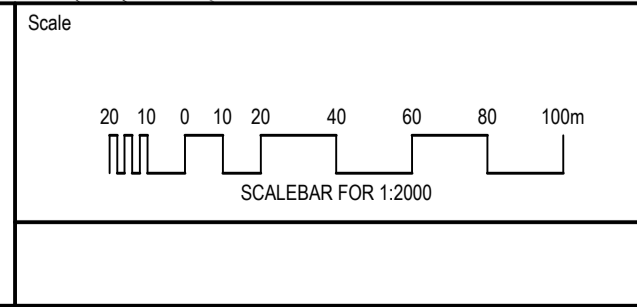
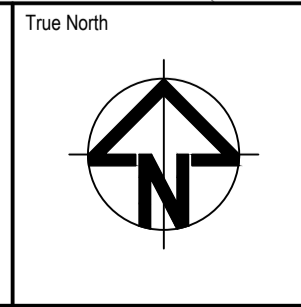
Drawn D. Ortiz	Q.A. Check MV	Date 12.05.23	Scale A1 N.T.S.
Designed A. Bencke	Project No. SYD21128-EL-SP	Dwg. No. 501	Issue 02

FOR APPROVAL

ACOR PROJECT No: ACT210597



Issue	Description	Date	Drawn	Approved
02	FOR WORKS APPROVAL	12.05.23	DO	AB
01	75% ISSUE	02.12.22	DO	AB



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Drawing Title				ACOR PROJECT No:	
EXISTING INGROUND SERVICES - OVERVIEW				ACT210597	
ELECTRICAL SERVICES					
Drawn	Q.A. Check	Date	Scale		
D. Ortiz	MV	12.05.23	1:2000		
Designed	Project No.	Dwg. No.	Issue		
A. Bencke	SYD21128-EL-SP	530	02		



FOR CONTINUATION REFER TO DRAWING SYD21128-EL-SP-532

Issue	Description	Date	Drawn	Approved
02	FOR WORKS APPROVAL	12.05.23	DO	AB
01	75% ISSUE	02.12.22	DO	AB

True North	Scale

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Landscape Architect	ASPECT STUDIOS

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Project
ACTON WATERFRONT

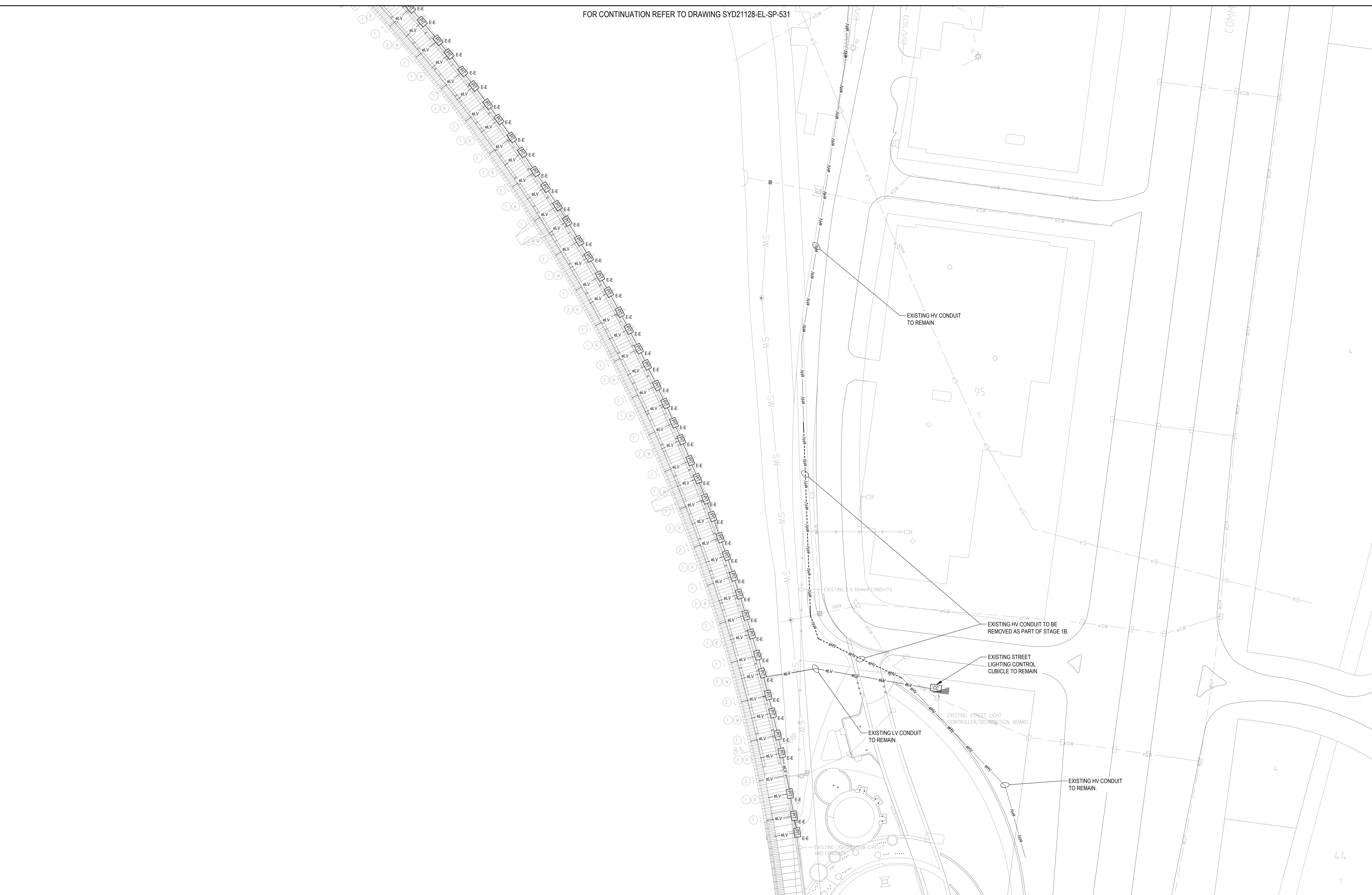
Drawing Title
**EXISTING INGROUND SERVICES - SHEET 1
 ELECTRICAL SERVICES**

Drawn: D. Ortiz
 Q.A. Check: MV
 Date: 12.05.23
 Scale: A1

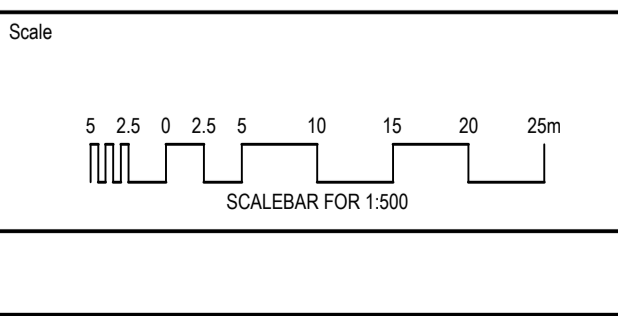
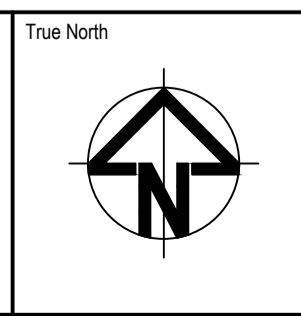
Designed: A. Bencke
 Project No.: SYD21128-EL-SP
 Dwg. No.: 531
 Issue: 02

FOR APPROVAL

FOR CONTINUATION REFER TO DRAWING SYD21128-EL-SP-531



02	FOR WORKS APPROVAL	12.05.23	DO	AB
01	75% ISSUE	02.12.22	DO	AB
Issue	Description	Date	Drawn	Approved



Client
CITY RENEWAL AUTHORITY

Landscape Architect
ASPECT STUDIOS

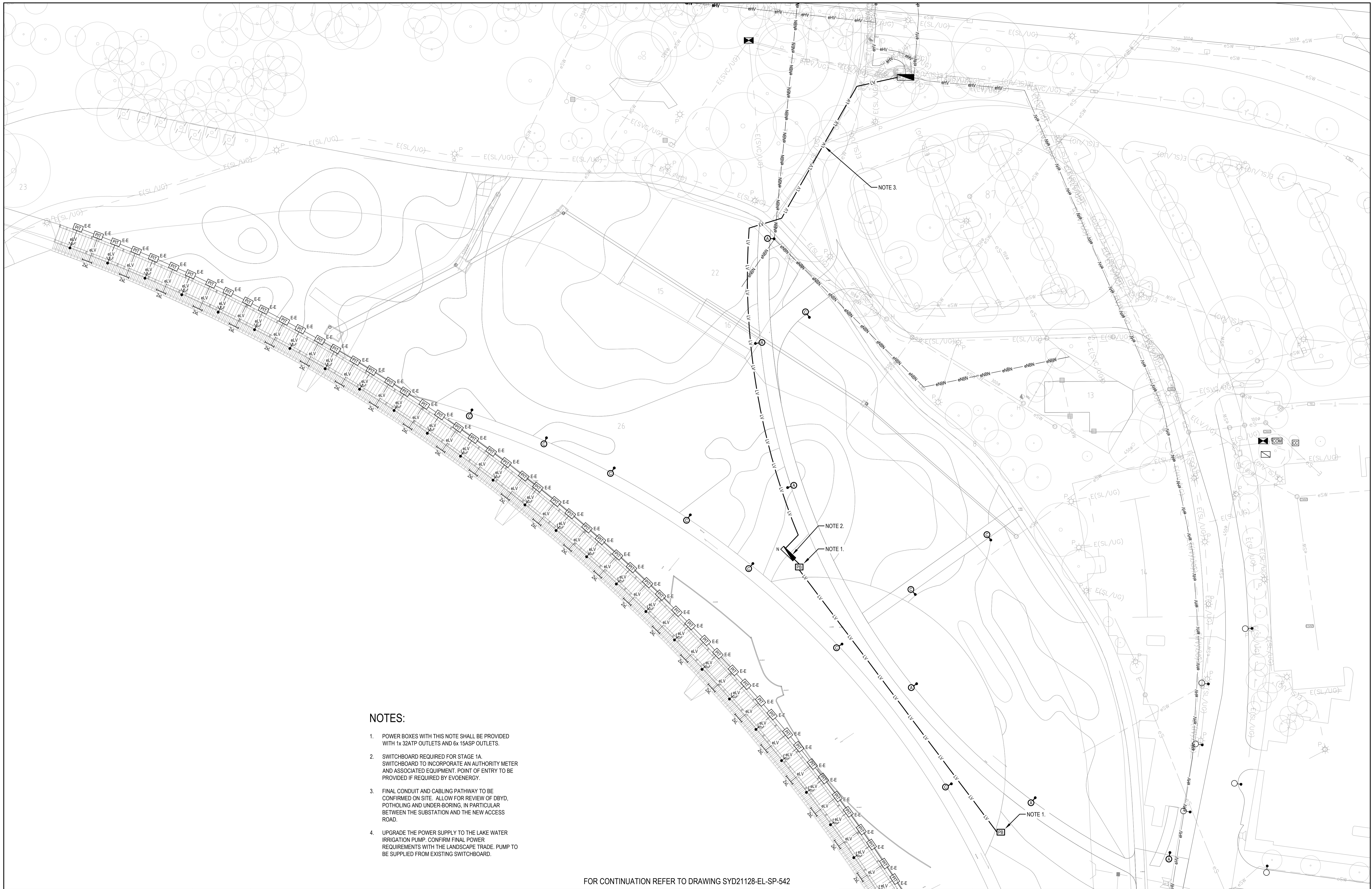
ACOR Consultants (ACT) Pty Ltd
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Project
ACTON WATERFRONT

Drawing Title EXISTING INGROUND SERVICES - SHEET 2 ELECTRICAL SERVICES				ACOR PROJECT No: ACT210597
Drawn D. Ortiz	Q.A. Check MV	Date 12.05.23	Scale A1	1:500
Designed A. Bencke	Project No. SYD21128-EL-SP	Dwg. No. 532	Issue 02	

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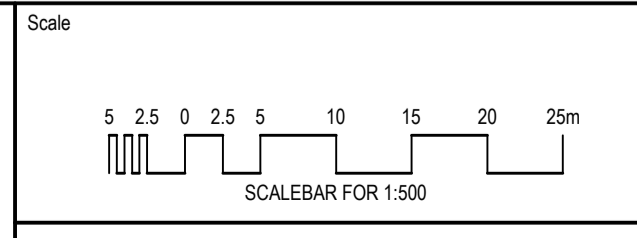
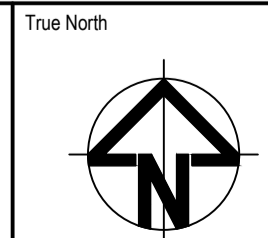


NOTES:

1. POWER BOXES WITH THIS NOTE SHALL BE PROVIDED WITH 1x 32ATP OUTLETS AND 6x 15ASP OUTLETS.
2. SWITCHBOARD REQUIRED FOR STAGE 1A SWITCHBOARD TO INCORPORATE AN AUTHORITY METER AND ASSOCIATED EQUIPMENT. POINT OF ENTRY TO BE PROVIDED IF REQUIRED BY EVOENERGY.
3. FINAL CONDUIT AND CABLING PATHWAY TO BE CONFIRMED ON SITE. ALLOW FOR REVIEW OF DBYD, POTHOLES AND UNDER-BORING, IN PARTICULAR BETWEEN THE SUBSTATION AND THE NEW ACCESS ROAD.
4. UPGRADE THE POWER SUPPLY TO THE LAKE WATER IRRIGATION PUMP. CONFIRM FINAL POWER REQUIREMENTS WITH THE LANDSCAPE TRADE. PUMP TO BE SUPPLIED FROM EXISTING SWITCHBOARD.

FOR CONTINUATION REFER TO DRAWING SYD21128-EL-SP-542

Issue	Description	Date	Drawn	Approved
03	REISSUE FOR WORKS APPROVAL	26.05.23	JT	AB
02	FOR WORKS APPROVAL	12.05.23	DO	AB
01	75% ISSUE	02.12.22	DO	AB



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Drawing Title
NEW INGROUND SERVICES STAGE 1A - SHEET 1 ELECTRICAL SERVICES

Drawn	Q.A. Check	Date	Scale
D. Ortiz	M. O'Connor	26.05.23	1:500
Designed A. Bencke	Project No. SYD21128-EL-SP	Dwg. No. 541	Issue 03

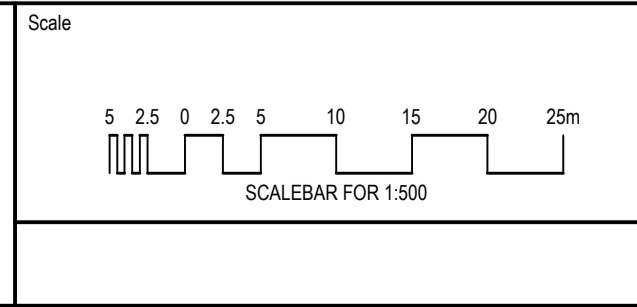
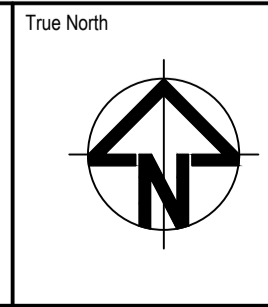
NOTES:

1. POWER BOXES WITH THIS NOTE SHALL BE PROVIDED WITH 1x 32ATP OUTLETS AND 6x 15ASP OUTLETS.
2. SWITCHBOARD REQUIRED FOR STAGE 1A. SWITCHBOARD TO INCORPORATE AN AUTHORITY METER AND ASSOCIATED EQUIPMENT. POINT OF ENTRY TO BE PROVIDED IF REQUIRED BY EVOENERGY.
3. FINAL CONDUIT AND CABLING PATHWAY TO BE CONFIRMED ON SITE. ALLOW FOR REVIEW OF DBYD, POTHOLES AND UNDER-BORING, IN PARTICULAR BETWEEN THE SUBSTATION AND THE NEW ACCESS ROAD.
4. UPGRADE THE POWER SUPPLY TO THE LAKE WATER IRRIGATION PUMP. CONFIRM FINAL POWER REQUIREMENTS WITH THE LANDSCAPE TRADE. PUMP TO BE SUPPLIED FROM EXISTING SWITCHBOARD.

FOR CONTINUATION REFER TO DRAWING SYD21128-EL-SP-541



Issue	Description	Date	Drawn	Approved
03	REISSUE FOR WORKS APPROVAL	26.05.23	JT	AB
02	FOR WORKS APPROVAL	12.05.23	DO	AB
01	75% ISSUE	02.12.22	DO	AB



Client
CITY RENEWAL AUTHORITY

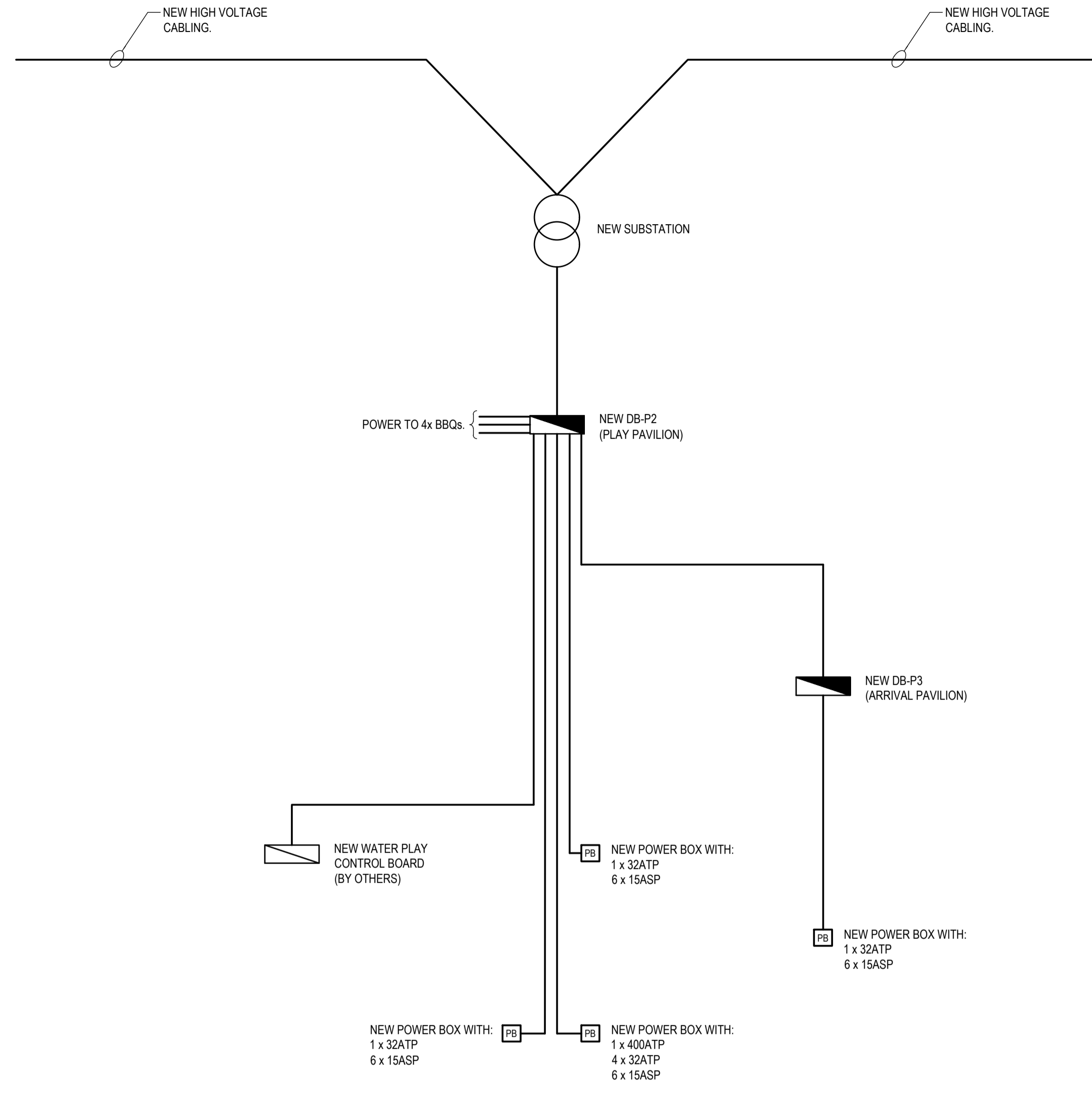
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Project
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Drawing Title NEW INGROUND SERVICES STAGE 1A - SHEET 2 ELECTRICAL SERVICES			
Drawn	Q.A. Check	Date	Scale
D. Ortiz	M. O'Connor	26.05.23	1:500
Designed	Project No.	Dwg. No.	Issue
A. Bencke	SYD21128-EL-SP	542	03

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Issue	Description	Date	Drawn	Approved
02	FOR WORKS APPROVAL	12.05.23	DO	AB
01	75% ISSUE	02.12.22	DO	AB

Client:
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Landscape Architect:
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Project:
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Drawing Title SINGLE LINE DIAGRAM ELECTRICAL SERVICES				ACOR PROJECT No: ACT210597
Drawn	Q.A. Check	Date	Scale A1	
D. Ortiz	MV	12.05.23	N.T.S.	
Designed	Project No.	Dwg. No.	Issue	
A. Bencke	SYD21128-EL-SP	960	02	

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