

ACTON WATERFRONT

ELECTRICAL SERVICES

DRAWING LIST

DOCUMENT NO.	TITLE	DOCUMENT NO.	TITLE
SYD21128-EL-SP-500	COVER SHEET - STAGES 1A, 1B AND 2 - ELECTRICAL SERVICES	SYD21128-EL-SP-902	SCOPE OF WORKS STAGE 2 - ELECTRICAL SERVICES
SYD21128-EL-SP-501	LEGEND - ELECTRICAL & MECHANICAL SERVICES		
SYD21128-EL-SP-502	SCOPE OF WORKS STAGE 1A - ELECTRICAL SERVICES	SYD21128-EL-SP-910	EXISTING LIGHTING - OVERVIEW - ELECTRICAL SERVICES
SYD21128-EL-SP-503	SCOPE OF WORKS STAGE 1B - ELECTRICAL SERVICES	SYD21128-EL-SP-911	EXISTING LIGHTING - SHEET 1 - ELECTRICAL SERVICES
		SYD21128-EL-SP-912	EXISTING LIGHTING - SHEET 2 - ELECTRICAL SERVICES
SYD21128-EL-SP-505	PUBLIC LIGHTING CATEGORY PLAN STAGE 1A - ELECTRICAL SERVICES		
SYD21128-EL-SP-506	PUBLIC LIGHTING CATEGORY PLAN STAGE 1B - ELECTRICAL SERVICES	SYD21128-EL-SP-920	NEW LIGHTING STAGE 2 - OVERVIEW - ELECTRICAL SERVICES
		SYD21128-EL-SP-921	NEW LIGHTING STAGE 2 - SHEET 1 - ELECTRICAL SERVICES
SYD21128-EL-SP-510	EXISTING LIGHTING - OVERVIEW - ELECTRICAL SERVICES	SYD21128-EL-SP-922	NEW LIGHTING STAGE 2 - SHEET 2 - ELECTRICAL SERVICES
SYD21128-EL-SP-511	EXISTING LIGHTING - SHEET 1 - ELECTRICAL SERVICES		
SYD21128-EL-SP-512	EXISTING LIGHTING - SHEET 2 - ELECTRICAL SERVICES	SYD21128-EL-SP-925	PUBLIC LIGHTING CATEGORY PLAN STAGE 2 - ELECTRICAL SERVICES
SYD21128-EL-SP-520	NEW LIGHTING STAGE 1A - OVERVIEW - ELECTRICAL SERVICES	SYD21128-EL-SP-930	EXISTING INGROUND SERVICES - OVERVIEW - ELECTRICAL SERVICES
SYD21128-EL-SP-521	NEW LIGHTING STAGE 1A - SHEET 1 - ELECTRICAL SERVICES	SYD21128-EL-SP-931	EXISTING INGROUND SERVICES - SHEET 1 - ELECTRICAL SERVICES
SYD21128-EL-SP-522	NEW LIGHTING STAGE 1A - SHEET 2 - ELECTRICAL SERVICES	SYD21128-EL-SP-932	EXISTING INGROUND SERVICES - SHEET 2 - ELECTRICAL SERVICES
SYD21128-EL-SP-525	NEW LIGHTING STAGE 1B - OVERVIEW - ELECTRICAL SERVICES	SYD21128-EL-SP-940	NEW INGROUND SERVICES STAGE 2 - OVERVIEW - ELECTRICAL SERVICES
SYD21128-EL-SP-526	NEW LIGHTING STAGE 1B - SHEET 1 - ELECTRICAL SERVICES	SYD21128-EL-SP-941	NEW INGROUND SERVICES STAGE 2 - SHEET 1 - ELECTRICAL SERVICES
SYD21128-EL-SP-527	NEW LIGHTING STAGE 1B - SHEET 2 - ELECTRICAL SERVICES	SYD21128-EL-SP-942	NEW INGROUND SERVICES STAGE 2 - SHEET 2 - ELECTRICAL SERVICES
SYD21128-EL-SP-530	EXISTING INGROUND SERVICES - OVERVIEW - ELECTRICAL SERVICES	SYD21128-EL-SP-950	DRAWING REMOVED
SYD21128-EL-SP-531	EXISTING INGROUND SERVICES - SHEET 1 - ELECTRICAL SERVICES	SYD21128-EL-SP-951	DETAIL 1 - PLAY PAVILION - LIGHTING, POWER & MECHANICAL LAYOUTS
SYD21128-EL-SP-532	EXISTING INGROUND SERVICES - SHEET 2 - ELECTRICAL SERVICES	SYD21128-EL-SP-952	DETAIL 2 - ARRIVAL PAVILION - LIGHTING, POWER & MECHANICAL LAYOUTS
SYD21128-EL-SP-540	NEW INGROUND SERVICES STAGE 1A - OVERVIEW - ELECTRICAL SERVICES	SYD21128-EL-SP-960	SINGLE LINE DIAGRAM - ELECTRICAL SERVICES
SYD21128-EL-SP-541	NEW INGROUND SERVICES STAGE 1A - SHEET 1 - ELECTRICAL SERVICES		
SYD21128-EL-SP-542	NEW INGROUND SERVICES STAGE 1A - SHEET 2 - ELECTRICAL SERVICES		
SYD21128-EL-SP-545	NEW INGROUND SERVICES STAGE 1B - OVERVIEW - ELECTRICAL SERVICES		
SYD21128-EL-SP-546	NEW INGROUND SERVICES STAGE 1B - SHEET 1 - ELECTRICAL SERVICES		
SYD21128-EL-SP-547	NEW INGROUND SERVICES STAGE 1B - SHEET 2 - ELECTRICAL SERVICES		

<table border="1"> <tr> <td>02</td> <td>FOR WORKS APPROVAL</td> <td>12.05.23</td> <td>DO</td> <td>AB</td> </tr> <tr> <td>01</td> <td>75% ISSUE</td> <td>02.12.22</td> <td>DO</td> <td>AB</td> </tr> <tr> <td>Issue</td> <td>Description</td> <td>Date</td> <td>Drawn</td> <td>Approved</td> </tr> </table>		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 Unit 1, 5 Bodalla Place Fyshwick ACT 2609 T +61 2 6240 2900	Project ACTON WATERFRONT	Drawing Title COVER SHEET - STAGES 1A, 1B AND 2 ELECTRICAL SERVICES	ACOR PROJECT No: ACT210597 Scale A1
02	FOR WORKS APPROVAL	12.05.23	DO	AB																		
01	75% ISSUE	02.12.22	DO	AB																		
Issue	Description	Date	Drawn	Approved																		
				Drawn D. Ortiz	Q.A. Check MV	Date 12.05.23	Issue 02															
				FOR APPROVAL		Designated A. Bencke	Project No. SYD21128-EL-SP	Dwg. No. 500														

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	-
2x	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	-
S	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.

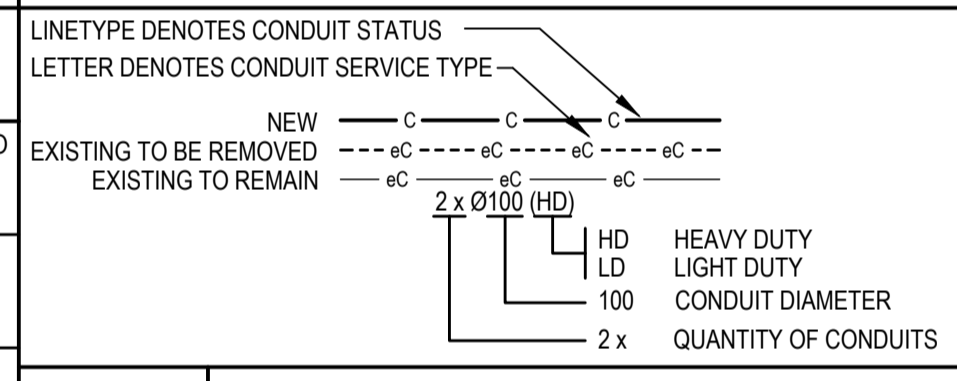
LIGHTING

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
CITY RENEWAL AUTHORITY

Landscape Architect
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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 N.T.S.
Designed A. Bencke	Project No. SYD21128-EL-SP	Dwg. No. 501	Issue 02

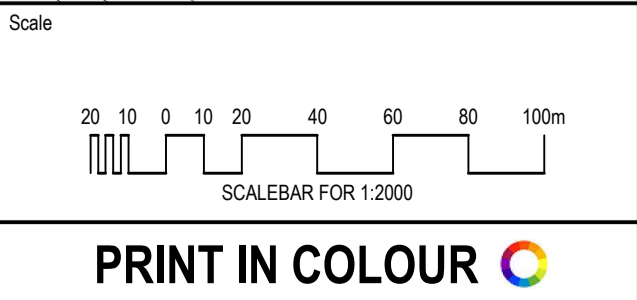
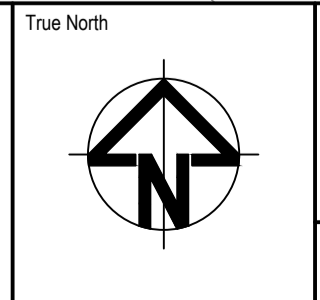
FOR APPROVAL

ACOR PROJECT No: ACT210597



LIGHTING CATEGORIES	
	EXISTING CATEGORY P2.
	NEW LIGHTING TO PR2.
	NEW LIGHTING TO PP3.
	NEW PICNIC SHELTER LIGHTING.
	AREA WITH MINIMAL LIGHTING TO SUIT NEW PLANTING.
NO HATCH	AREAS ILLUMINATED BY SURROUNDING LIGHT ONLY.

Issue	Description	Date	Drawn	Approved
01	FOR WORKS APPROVAL	12.05.23	DO	AB



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ACTON WATERFRONT

FOR APPROVAL

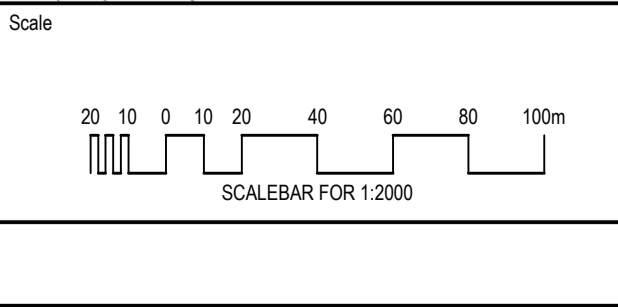
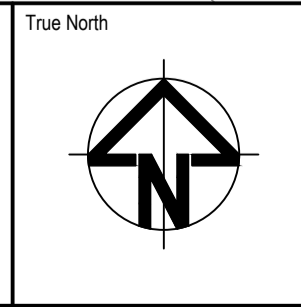
Drawing Title PUBLIC LIGHTING CATEGORY PLAN STAGE 1B ELECTRICAL SERVICES			
Drawn		Q.A. Check	
Date		Date	
Scale A1		Scale A1	
D. Ortiz	MV	12.05.23	1:2000
Designed	Project No.	Dwg. No.	Issue
A. Bercke	SYD21128-EL-SP	506	01



SHEET 1

SHEET 2

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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Project
ACTON WATERFRONT

Drawing Title NEW LIGHTING STAGE 1B - OVERVIEW ELECTRICAL SERVICES				ACOR PROJECT No: ACT210597	
Drawn	Q.A. Check	Date	Scale		
D. Ortiz	M. O'Connor	26.05.23	1:2000		
Designed	Project No.	Dwg. No.	Issue		
A. Bencke	SYD21128-EL-SP	525	03		

FOR APPROVAL

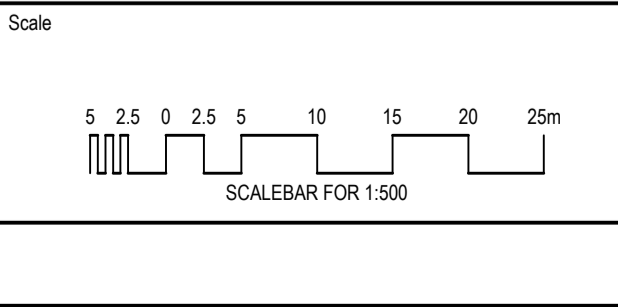
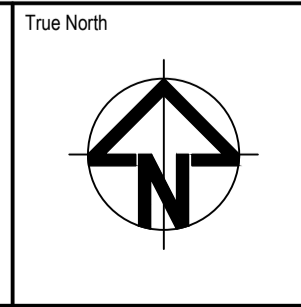


NOTES:

1. STAGE 1A COLUMN REMOVED IN STAGE 1B.
2. EXISTING COLUMN, RETAINED IN STAGE 1A, REMOVED IN STAGE 1B.

FOR CONTINUATION REFER TO DRAWING SYD21128-EL-SP-527

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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Project
ACTON WATERFRONT

Drawing Title		ACOR PROJECT No.	
NEW LIGHTING STAGE 1B - SHEET 1 ELECTRICAL SERVICES		ACT210597	
Drawn	Q.A. Check	Date	Scale A1
D. Ortiz	M. O'Connor	26.05.23	1:500
Designed	Project No.	Dwg. No.	Issue
A. Bencke	SYD21128-EL-SP	526	03

FOR APPROVAL

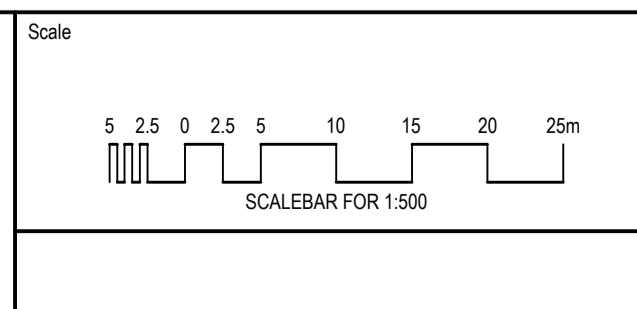
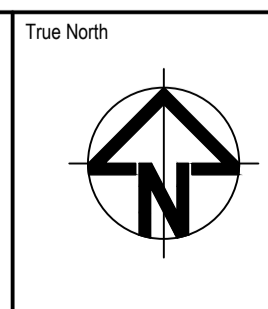
NOTES:

1. STAGE 1A COLUMN REMOVED IN STAGE 1B.
2. EXISTING COLUMN, RETAINED IN STAGE 1A, REMOVED IN STAGE 1B.

FOR CONTINUATION REFER TO DRAWING SYD21128-EL-SP-526



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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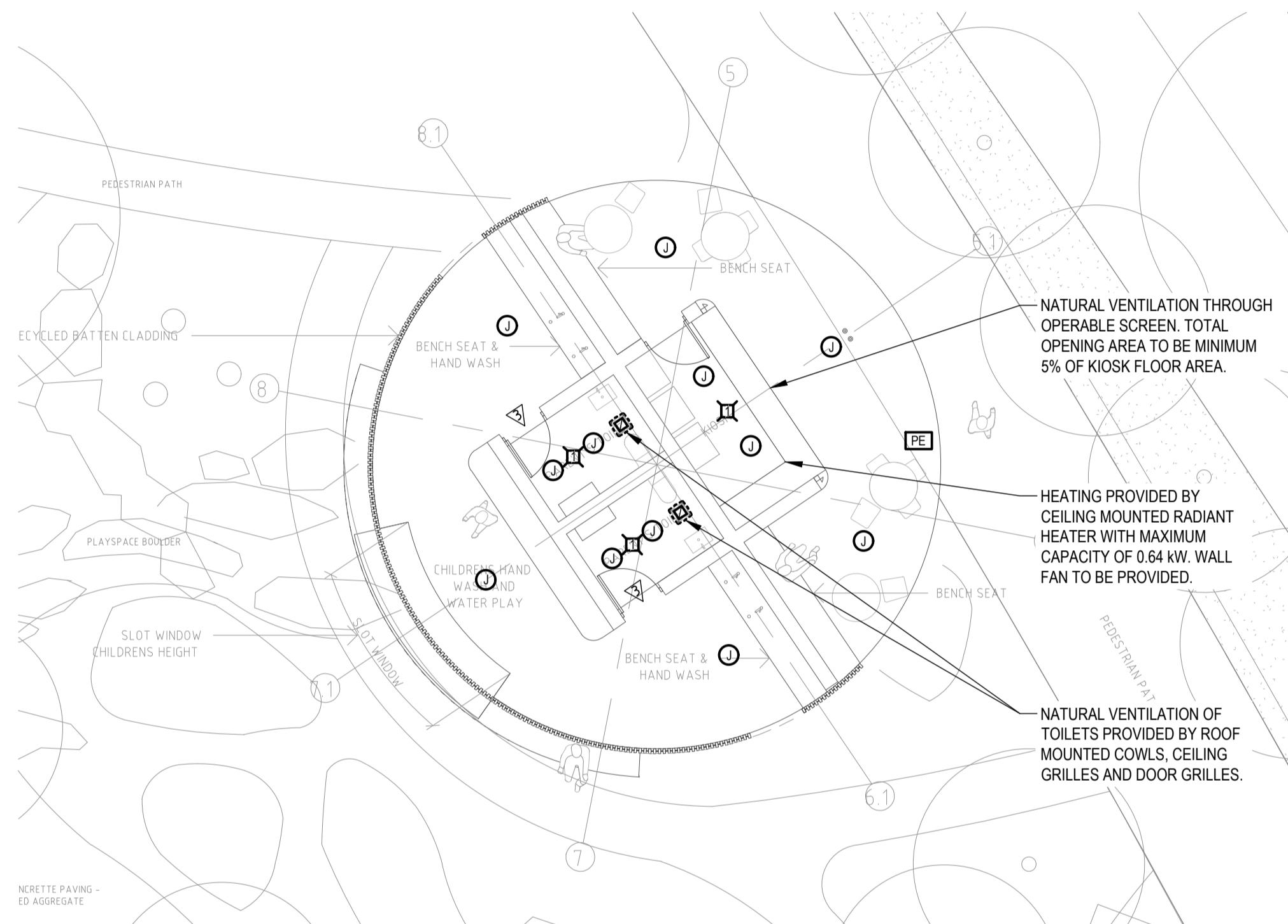
Landscape Architect
ASPECT STUDIOS

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Drawing Title NEW LIGHTING STAGE 1B - SHEET 2 ELECTRICAL SERVICES				ACOR PROJECT No: ACT210597
Drawn D. Ortiz	Q.A. Check M. O'Connor	Date 26.05.23	Scale A1	
Designed A. Bencke	Project No. SYD21128-EL-SP	Dwg. No. 527	Issue 03	

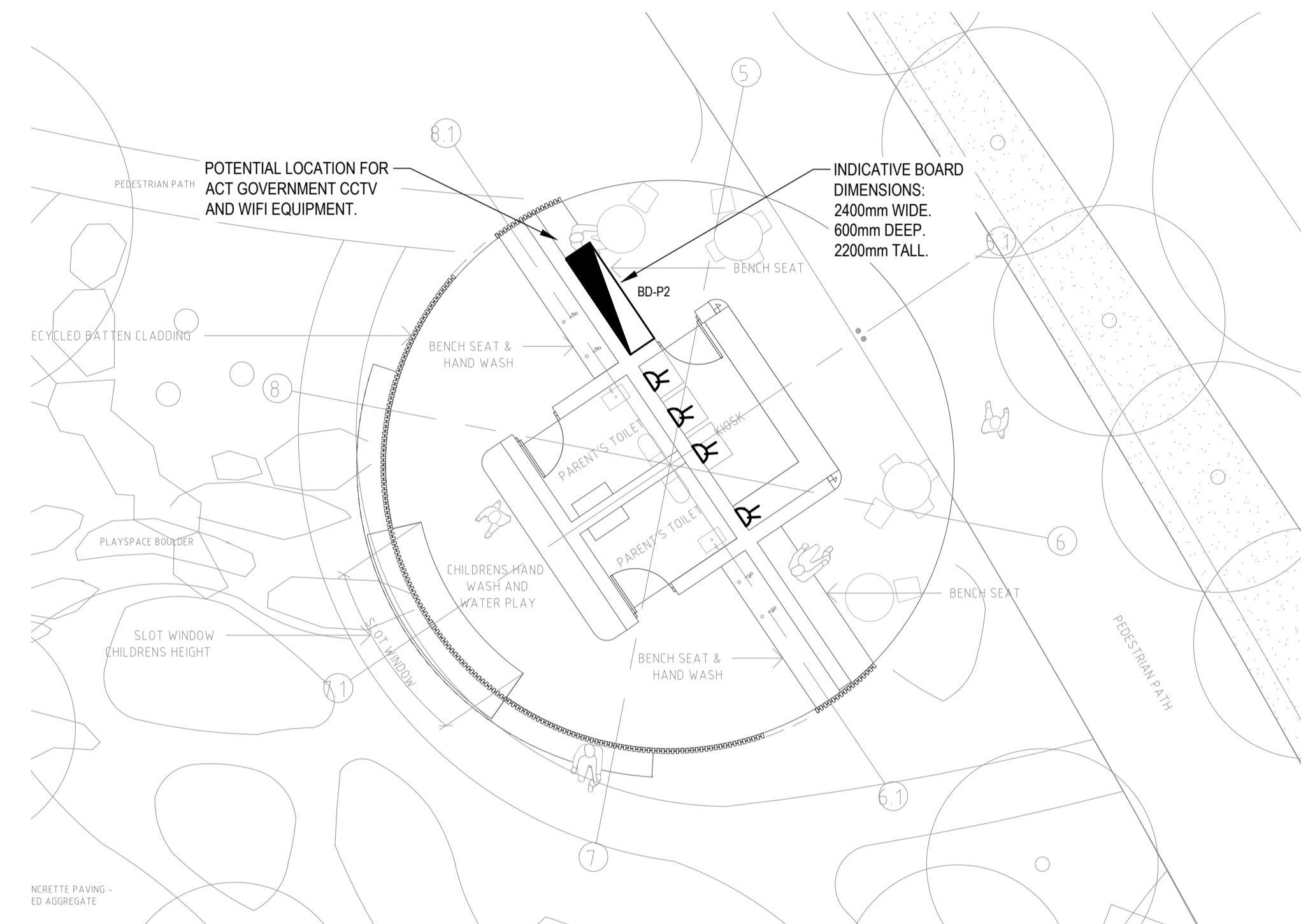
FOR APPROVAL



DETAIL 1 - PLAY PAVILION
LIGHTING & MECHANICAL LAYOUT

SCALE 1:100

1
941

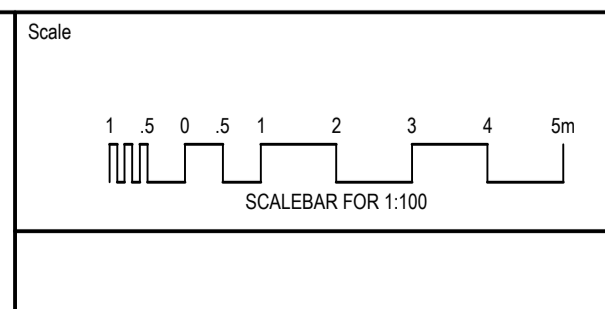
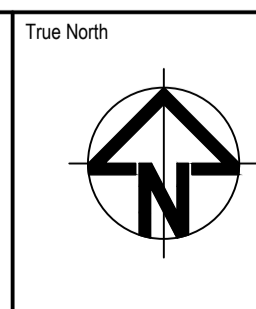


DETAIL 1 - PLAY PAVILION
POWER LAYOUT

SCALE 1:100

1
941

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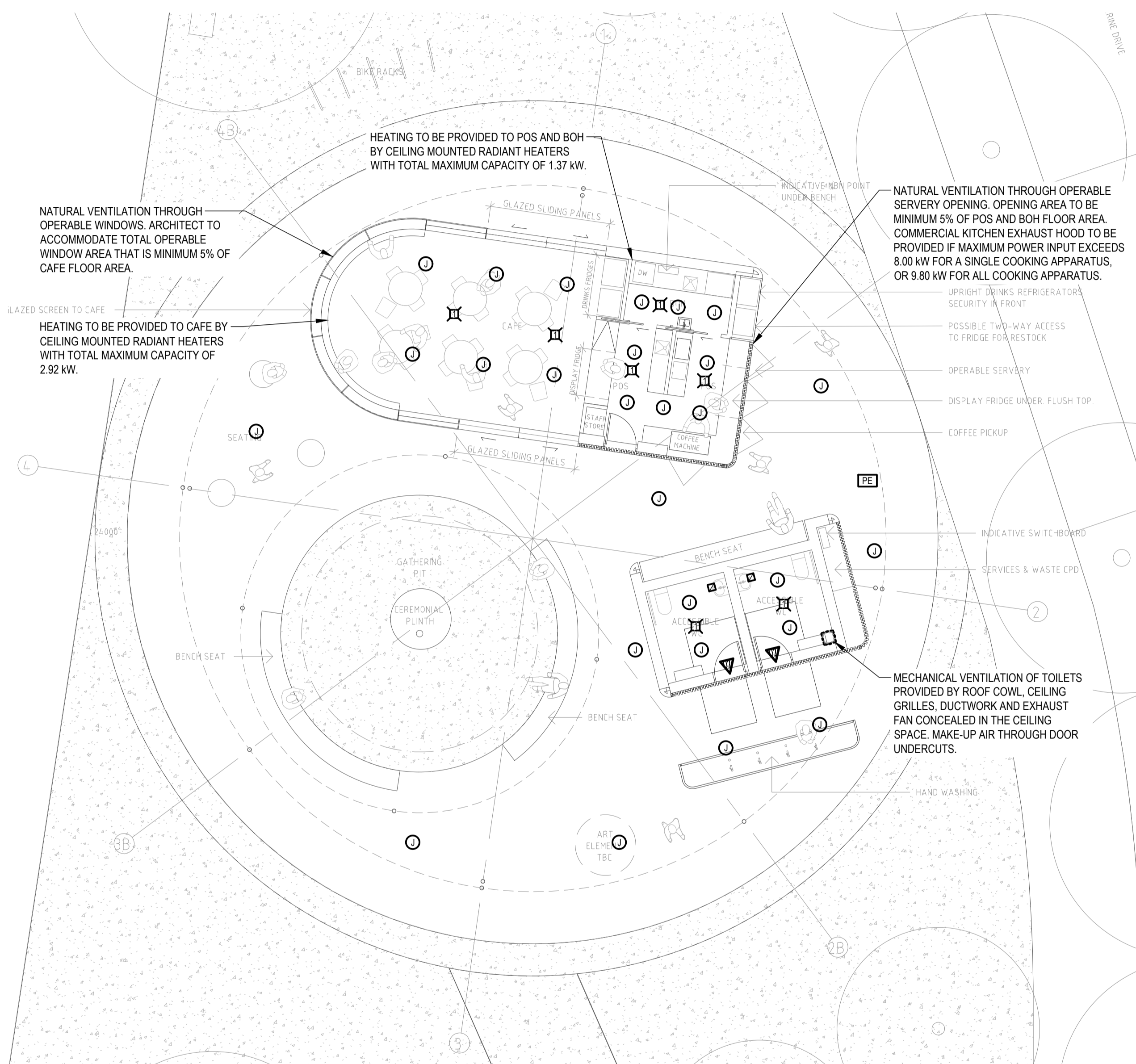


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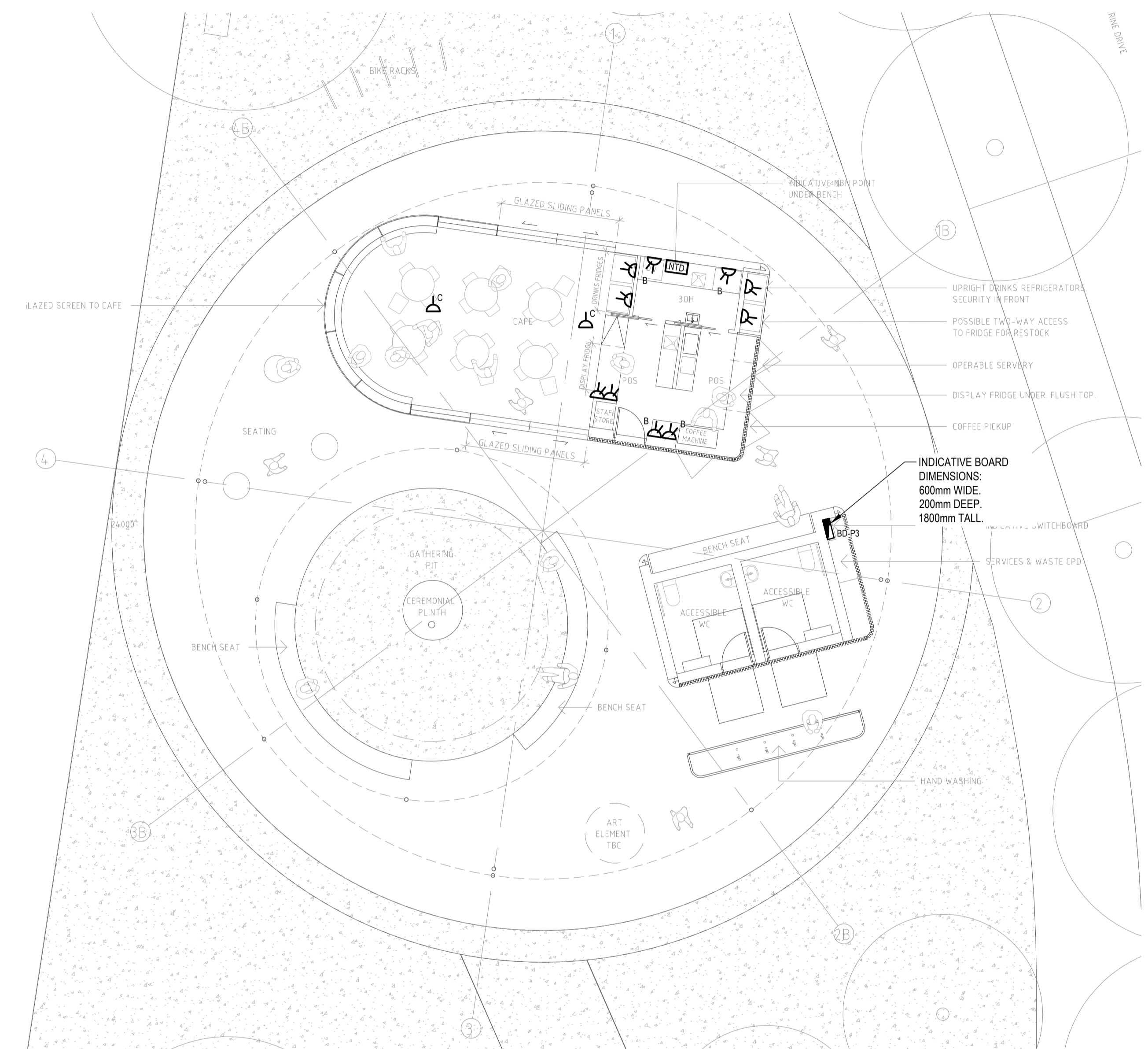
Project
ACTON WATERFRONT

Drawing Title			
DETAIL 1 - PLAY PAVILION LIGHTING, POWER & MECHANICAL LAYOUTS			
ACOR PROJECT No: ACT210597			
Drawn	Q.A. Check	Date	Scale A1
D. Ortiz	MV	12.05.23	1:100
Designed	Project No.	Dwg. No.	Issue
A. Bencke	SYD21128-EL-SP	951	02

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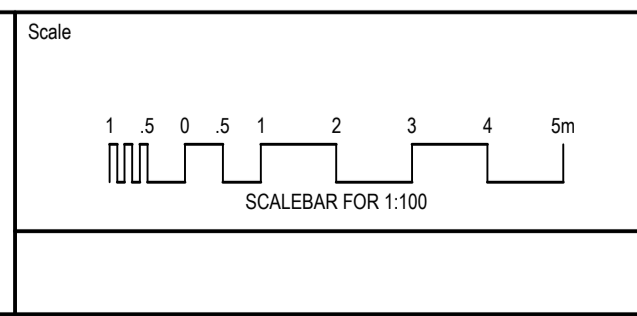
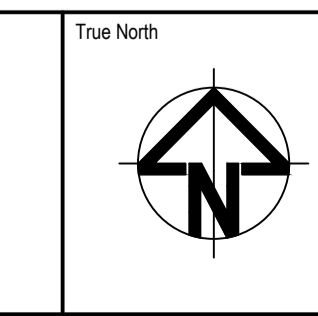


DETAIL 2 - ARRIVAL PAVILION
LIGHTING & MECHANICAL LAYOUT 2
SCALE 1:100 942



DETAIL 2 - ARRIVAL PAVILION
POWER LAYOUT 2
SCALE 1:100 942

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02	FOR WORKS APPROVAL	12.05.23	DO	AB
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Project
ACTON WATERFRONT

Drawing Title			
DETAIL 2 - ARRIVAL PAVILION LIGHTING, POWER & MECHANICAL LAYOUTS			
Drawn	Q.A. Check	Date	Scale A1
D. Ortiz	MV	12.05.23	1:100
Designed	Project No.	Dwg. No.	Issue
A. Bencke	SYD21128-EL-SP	952	02

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LUMINAIRES

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⊙	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.
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⊙	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	-
S	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.

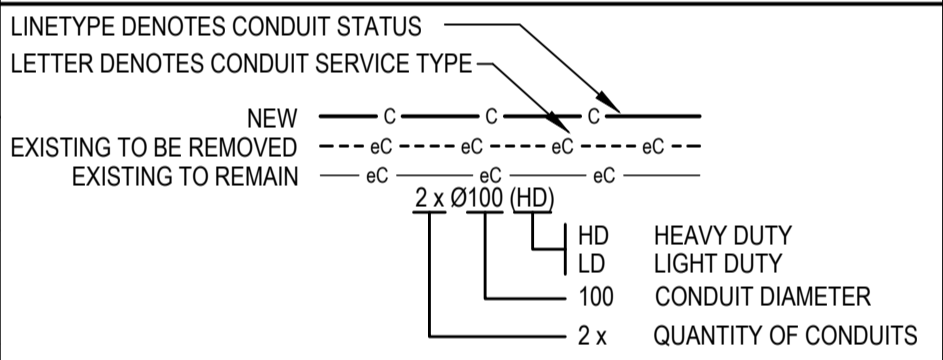
LIGHTING

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	CITY RENEWAL AUTHORITY
Landscape Architect	ASPECT STUDIOS

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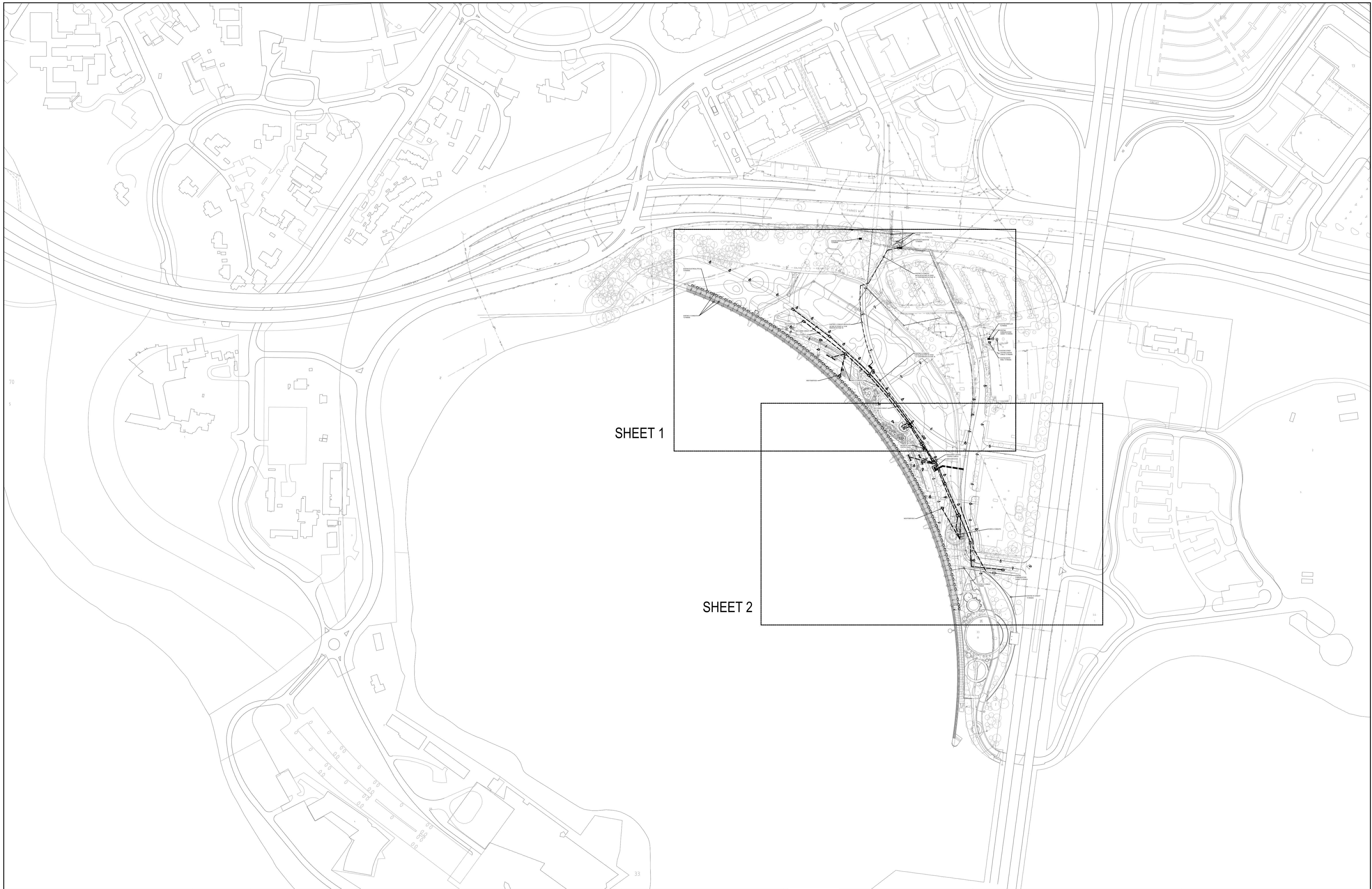
Project
ACTON WATERFRONT

ACOR CONSULTANTS

FOR APPROVAL

Drawn	Q.A. Check	Date	Scale
D. Ortiz	MV	12.05.23	N.T.S.

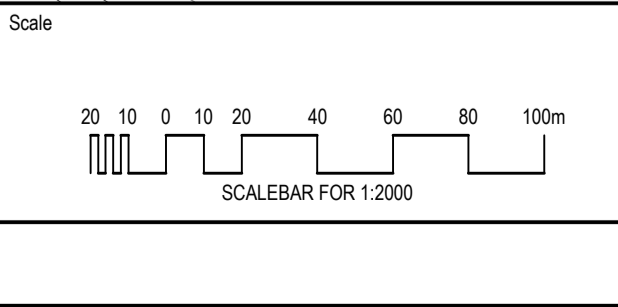
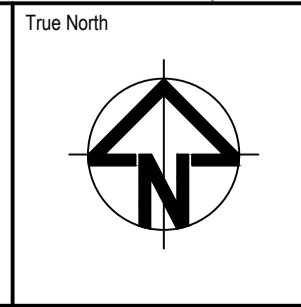
Designed	Project No.	Dwg. No.	Issue
A. Bencke	SYD21128-EL-SP	501	02



SHEET 1

SHEET 2

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

Landscape Architect
ASPECT STUDIOS



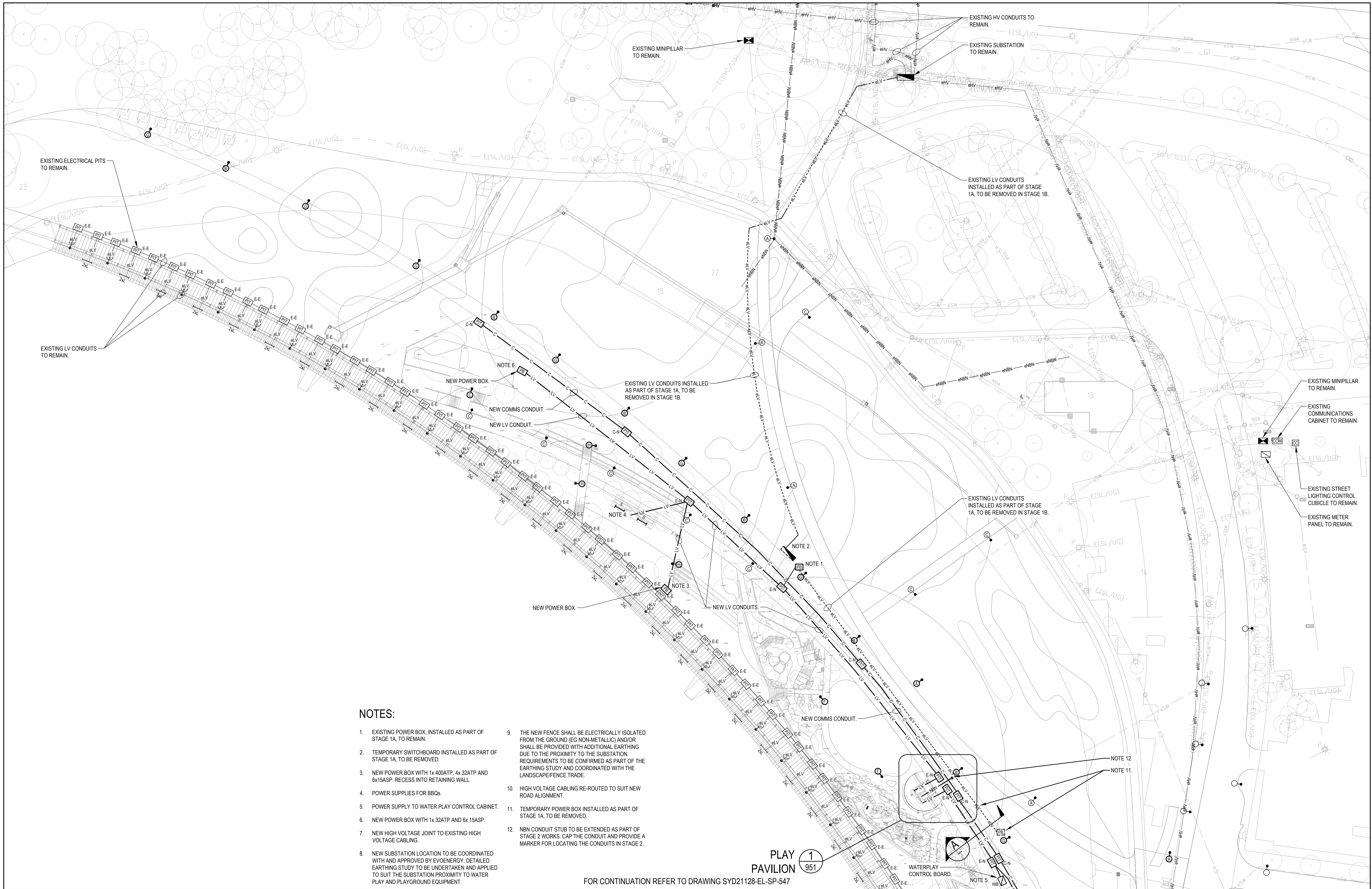
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Project
ACTON WATERFRONT

FOR APPROVAL

Drawing Title			
NEW INGROUND SERVICES STAGE 1B - OVERVIEW ELECTRICAL SERVICES			
ACOR PROJECT No: ACT210597		Scale A1	
Drawn	Q.A. Check	Date	Issue
D. Ortiz	M. O'Connor	26.05.23	1:2000
Designed	Project No.	Dwg. No.	Issue
A. Bencke	SYD21128-EL-SP	545	03

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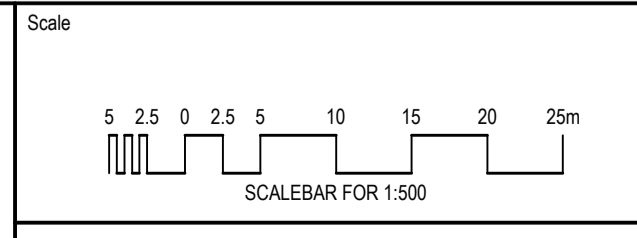
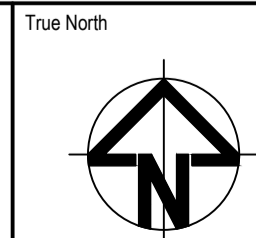
NOTES:

1. EXISTING POWER BOX, INSTALLED AS PART OF STAGE 1A, TO REMAIN.
2. TEMPORARY SWITCHBOARD INSTALLED AS PART OF STAGE 1A, TO BE REMOVED.
3. NEW POWER BOX WITH 1x 400ATP, 4x 32ATP AND 6x15ASP. RECESS INTO RETAINING WALL.
4. POWER SUPPLIES FOR BBQs.
5. POWER SUPPLY TO WATER PLAY CONTROL CABINET.
6. NEW POWER BOX WITH 1x 32ATP AND 6x 15ASP.
7. NEW HIGH VOLTAGE JOINT TO EXISTING HIGH VOLTAGE CABLING.
8. NEW SUBSTATION LOCATION TO BE COORDINATED WITH AND APPROVED BY EVOENERGY. DETAILED EARTHING STUDY TO BE UNDERTAKEN AND APPLIED TO SUIT THE SUBSTATION PROXIMITY TO WATER PLAY AND PLAYGROUND EQUIPMENT.
9. THE NEW FENCE SHALL BE ELECTRICALLY ISOLATED FROM THE GROUND (EG NON-METALLIC) AND/OR SHALL BE PROVIDED WITH ADDITIONAL EARTHING DUE TO THE PROXIMITY TO THE SUBSTATION. REQUIREMENTS TO BE CONFIRMED AS PART OF THE EARTHING STUDY AND COORDINATED WITH THE LANDSCAPE/FENCE TRADE.
10. HIGH VOLTAGE CABLING RE-ROUTED TO SUIT NEW ROAD ALIGNMENT.
11. TEMPORARY POWER BOX INSTALLED AS PART OF STAGE 1A, TO BE REMOVED.
12. NBN CONDUIT STUB TO BE EXTENDED AS PART OF STAGE 2 WORKS. CAP THE CONDUIT AND PROVIDE A MARKER FOR LOCATING THE CONDUITS IN STAGE 2.

PLAY PAVILION 1 951

FOR CONTINUATION REFER TO DRAWING SYD21128-EL-SP-547

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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Project
ACTON WATERFRONT

FOR APPROVAL

Drawing Title NEW INGROUND SERVICES STAGE 1B - SHEET 1 ELECTRICAL SERVICES			
Drawn	Q.A. Check	Date	Scale A1
D. Ortiz	M. O'Connor	26.05.23	1:500
Designed A. Bencke	Project No. SYD21128-EL-SP	Dwg. No. 546	Issue 03

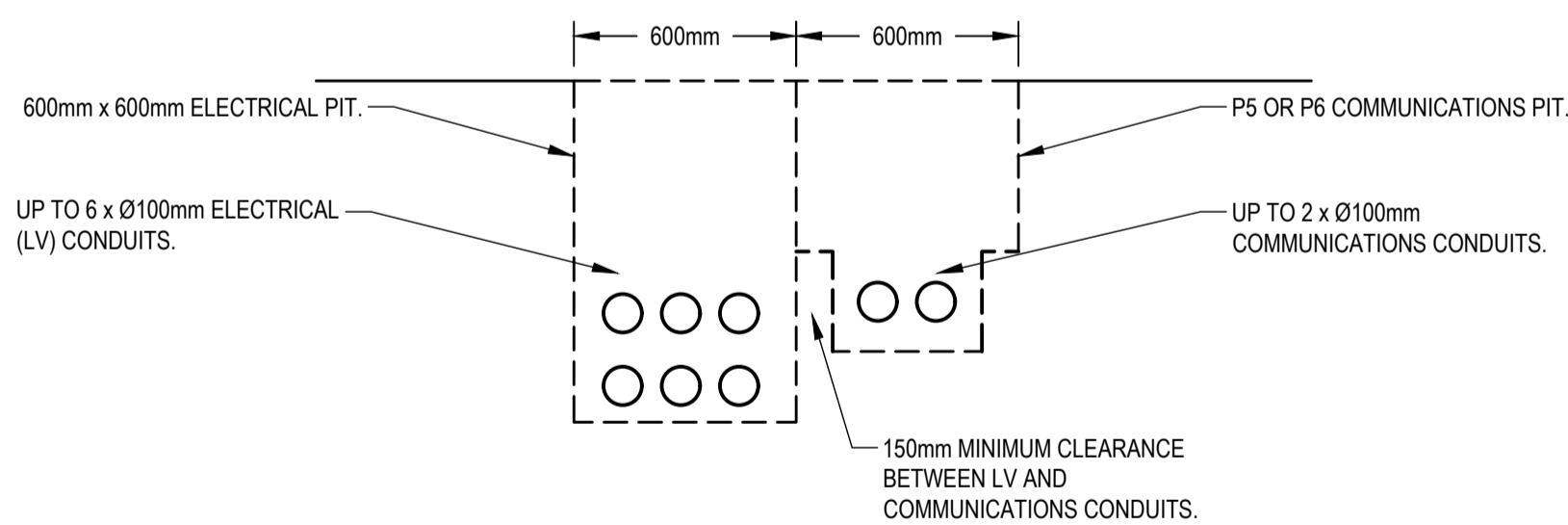
NOTES:

- EXISTING POWER BOX, INSTALLED AS PART OF STAGE 1A, TO REMAIN.
- TEMPORARY SWITCHBOARD INSTALLED AS PART OF STAGE 1A, TO BE REMOVED.
- NEW POWER BOX WITH 1x 400ATP, 4x 32ATP AND 6x15ASP. RECESS INTO RETAINING WALL.
- POWER SUPPLIES FOR BBQs.
- POWER SUPPLY TO WATER PLAY CONTROL CABINET.
- NEW POWER BOX WITH 1x 32ATP AND 6x 15ASP.
- NEW HIGH VOLTAGE JOINT TO EXISTING HIGH VOLTAGE CABLING.
- NEW SUBSTATION LOCATION TO BE COORDINATED WITH AND APPROVED BY EVOENERGY. DETAILED EARTHING STUDY TO BE UNDERTAKEN AND APPLIED TO SUIT THE SUBSTATION PROXIMITY TO WATER PLAY AND PLAYGROUND EQUIPMENT.
- THE NEW FENCE SHALL BE ELECTRICALLY ISOLATED FROM THE GROUND (EG NON-METALLIC) AND/OR SHALL BE PROVIDED WITH ADDITIONAL EARTHING DUE TO THE PROXIMITY TO THE SUBSTATION. REQUIREMENTS TO BE CONFIRMED AS PART OF THE EARTHING STUDY AND COORDINATED WITH THE LANDSCAPE/FENCE TRADE.
- HIGH VOLTAGE CABLING RE-ROUTED TO SUIT NEW ROAD ALIGNMENT.
- TEMPORARY POWER BOX INSTALLED AS PART OF STAGE 1A, TO BE REMOVED.
- NBN CONDUIT STUB TO BE EXTENDED AS PART OF STAGE 2 WORKS. CAP THE CONDUIT AND PROVIDE A MARKER FOR LOCATING THE CONDUITS IN STAGE 2.

FOR CONTINUATION REFER TO DRAWING SYD21128-EL-SP-546

PLAY PAVILION 1 951

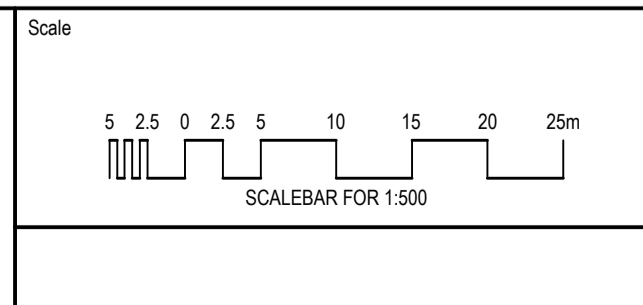
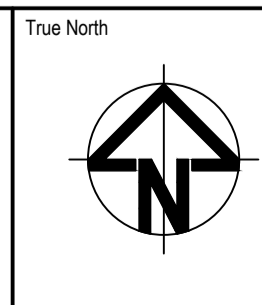
ARRIVAL PAVILION 2 952



SECTION A
TYPICAL TRENCHING DETAIL
SCALE: N. T.S.



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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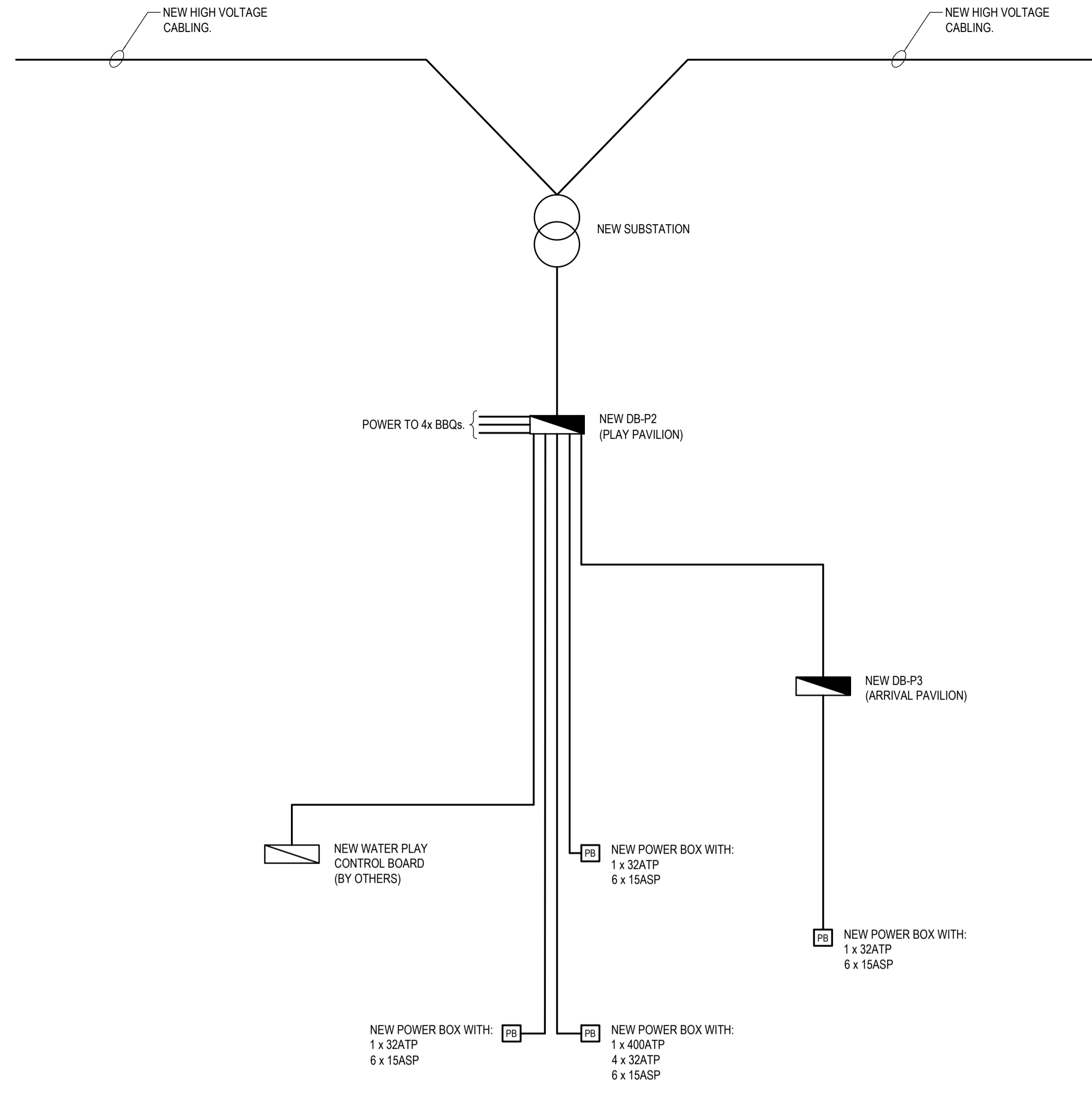
Project
ACTON WATERFRONT

FOR APPROVAL

Drawing Title
NEW INGROUND SERVICES STAGE 1B - 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	547	03

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

Client:
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Landscape Architect:
ASPECT STUDIOS

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Project:
ACTON WATERFRONT

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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