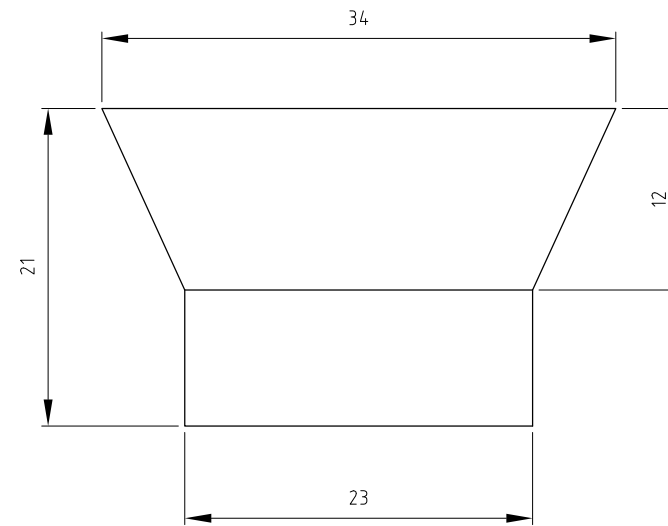
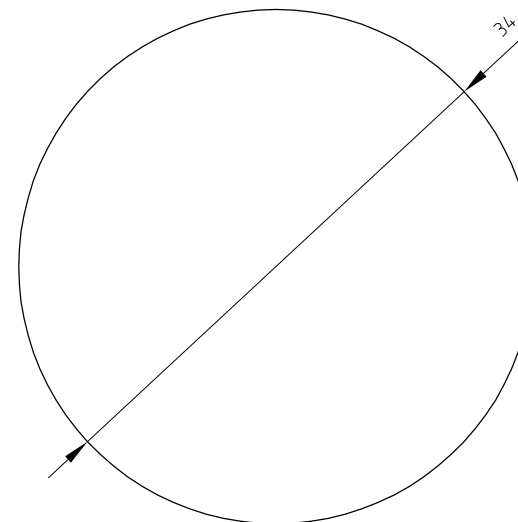


LIGHT POLE BRASS COVER PLATE
(NTS)



PLAN VIEW
(NTS)



TOP VIEW
(NTS)

LIFTING POINT LUG BRASS COVER

No.	AMENDMENT	APPROVED	DATE	DESIGNED BY	PRINCIPAL
J	FOR WORKS APPROVAL	AN	2020.03.12	RJ	
H	FOR TENDER	AN	2020.02.27	RJ	
G	FOR WORKS APPROVAL	AN	2020.02.17	RJ	
F	FOR WORKS APPROVAL	AN	2020.02.11	RJ	
E	FOR TENDER	AN	2020.01.31	RJ	
D	FOR GCS PRICING	VL	2019.05.24	AMG	
C	FOR APPROVAL	VL	2018.10.10	RJ	
B	FOR DETAILED DESIGN	VL	2018.09.04	RJ	
A	GENERAL REVISIONS	JR	2018.07.25	RJ	

PRINCIPAL



ACT
Government



City Renewal
Authority

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DIBAS



ISO 9001



DIBRE

PRINCIPAL CONTRACTOR



chincivil
PTY LTD

APPROVED	VL	DATE	2018.08.04
CHECKED	AG/JKR	DATE	2018.08.04
DESIGNED BY	L. MAYERS		
DRAWN BY	SG		
CAD FILE			

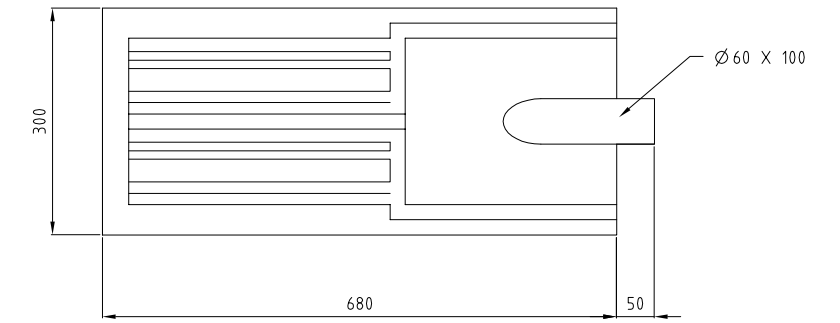
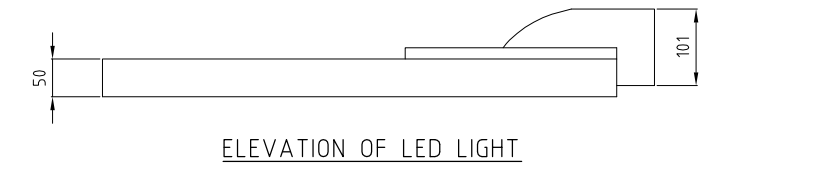
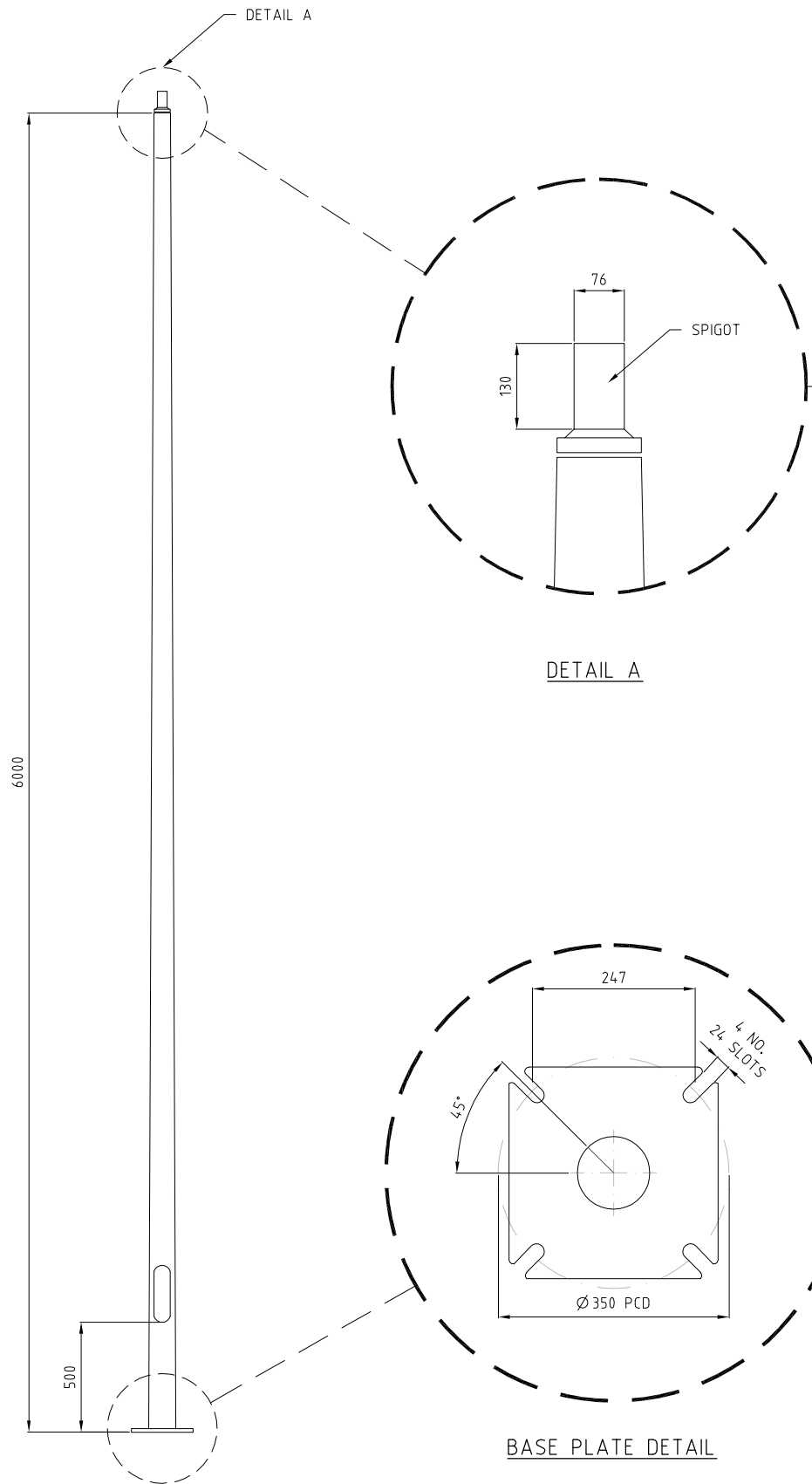
PROJECT

**WEST BASIN
PHASE 2**

DRAWING TITLE

**MISCELLANEOUS BRASS
COVER PLATES
DETAIL PLAN**

PROJECT No.	DRAWING No.	AMDT
6617-01	406	J



POST ELEVATION

DETAIL A

BASE PLATE DETAIL

ELEVATION OF LED LIGHT

PLAN OF LED LIGHT

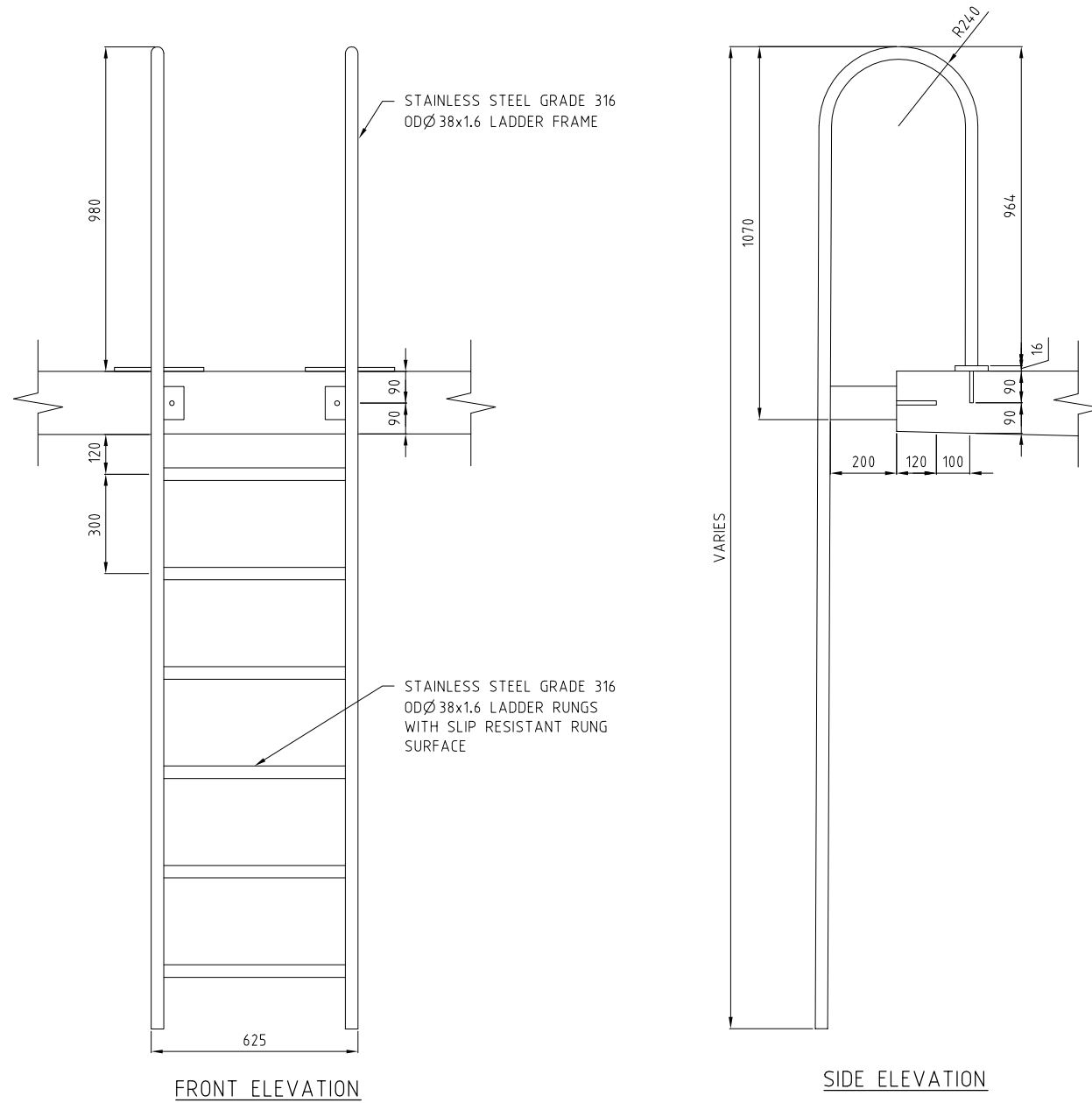
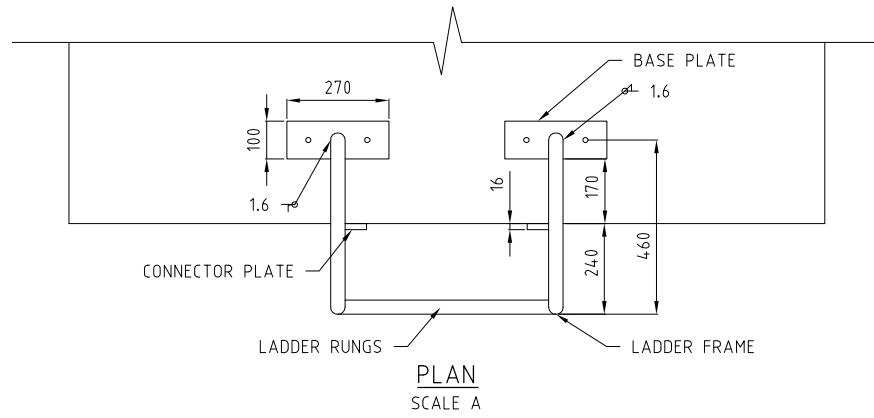
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D	FOR TENDER	AN	2020.02.27	RJ	
C	FOR WORKS APPROVAL	AN	2020.02.17	RJ	
B	FOR WORKS APPROVAL	AN	2020.02.11	RJ	
A	FOR TENDER	AN	2020.01.31	RJ	



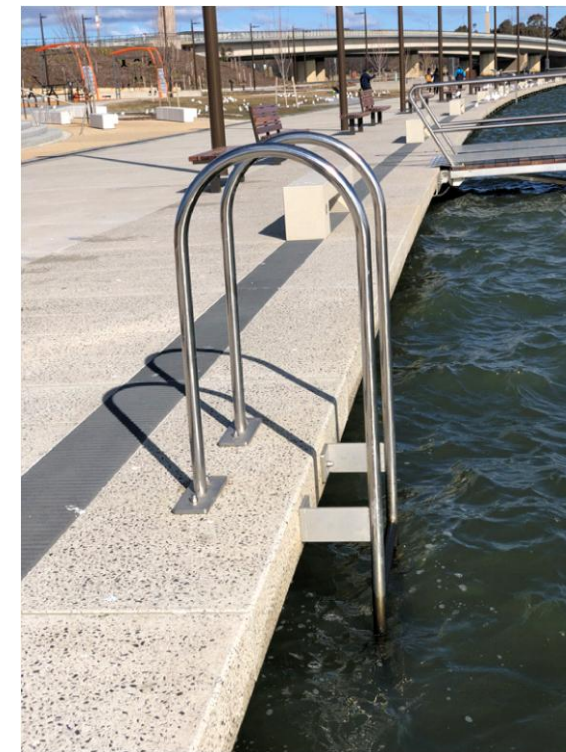
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CHECKED	DATE
AC/JKR	2018.09.04
DESIGNED BY	L. MAYERS
DRAWN BY	SG
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PROJECT
WEST BASIN PHASE 2

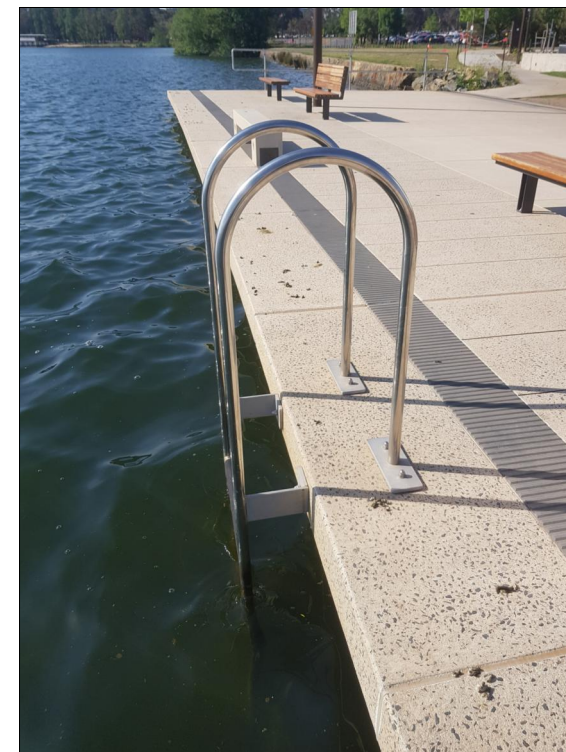
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LIGHT POLE DETAILS		
PROJECT No.	DRAWING No.	AMDT
6617-01	407	E



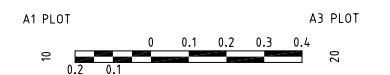
STEP LADDER



STEP LADDER PHOTO 1



STEP LADDER PHOTO 2



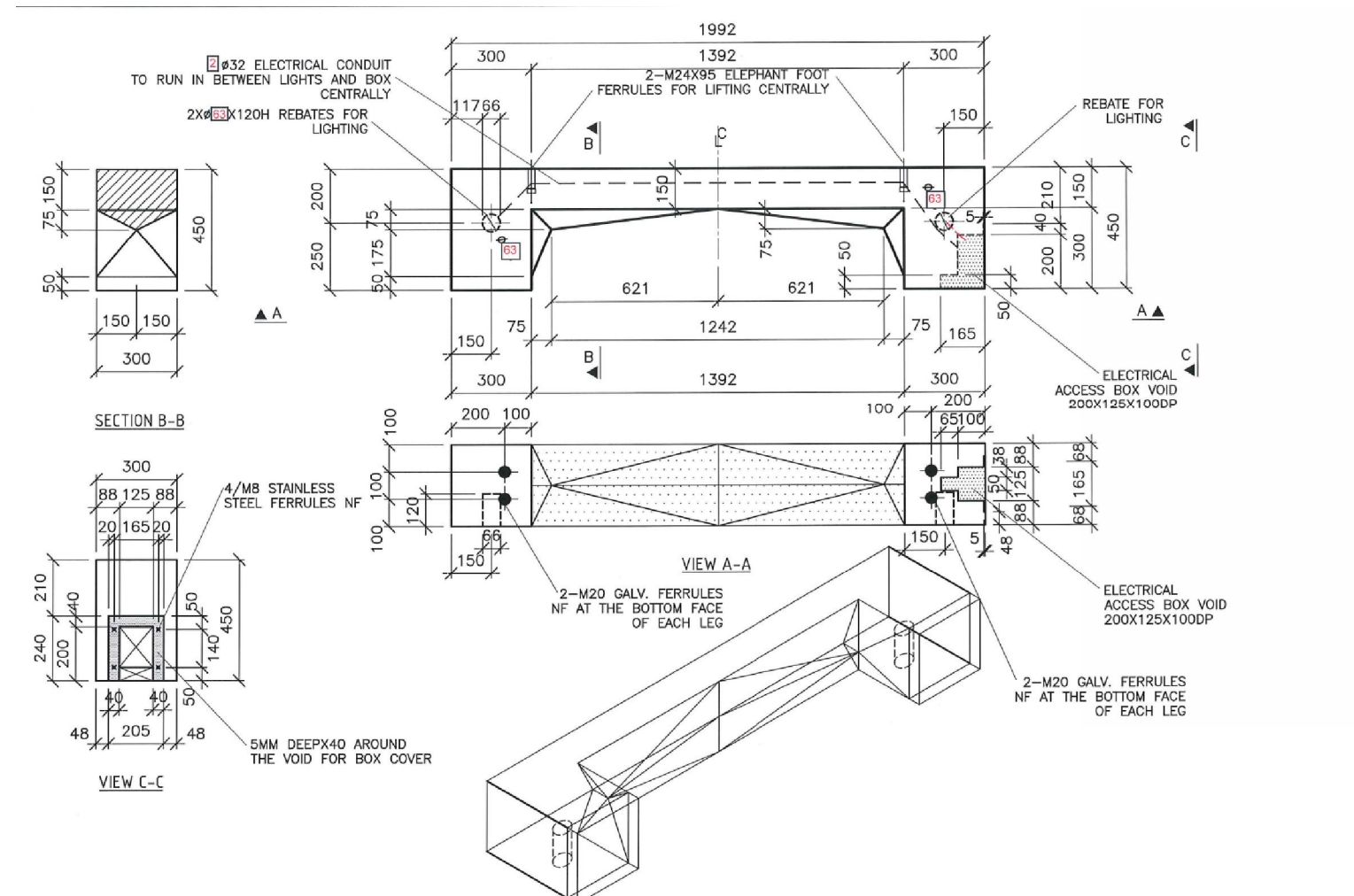
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E	FOR WORKS APPROVAL	AN	2020.03.12	RJ	
D	FOR TENDER	AN	2020.02.27	RJ	
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A	FOR TENDER	AN	2020.01.31	RJ	



APPROVED	DATE
VL	2018.09.04
CHECKED	DATE
AC/JKR	2018.09.04
DESIGNED BY	L. MAYERS
DRAWN BY	SG
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PROJECT
WEST BASIN PHASE 2

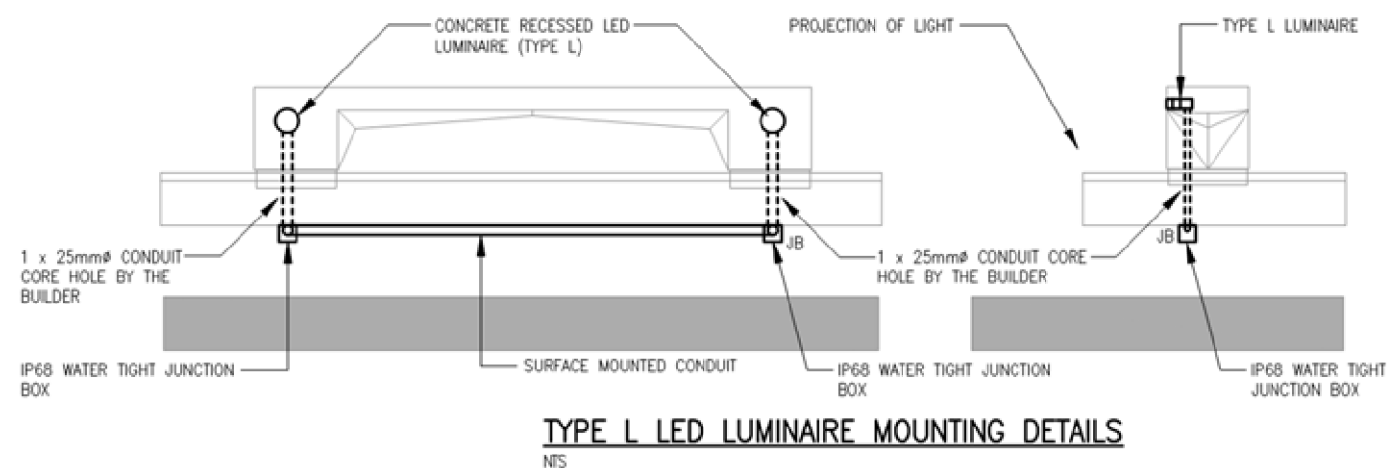
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STEP LADDER DETAIL PLAN		
PROJECT No.	DRAWING No.	AMDT
6617-01	412	E



CONCRETE BENCH PHOTO 1

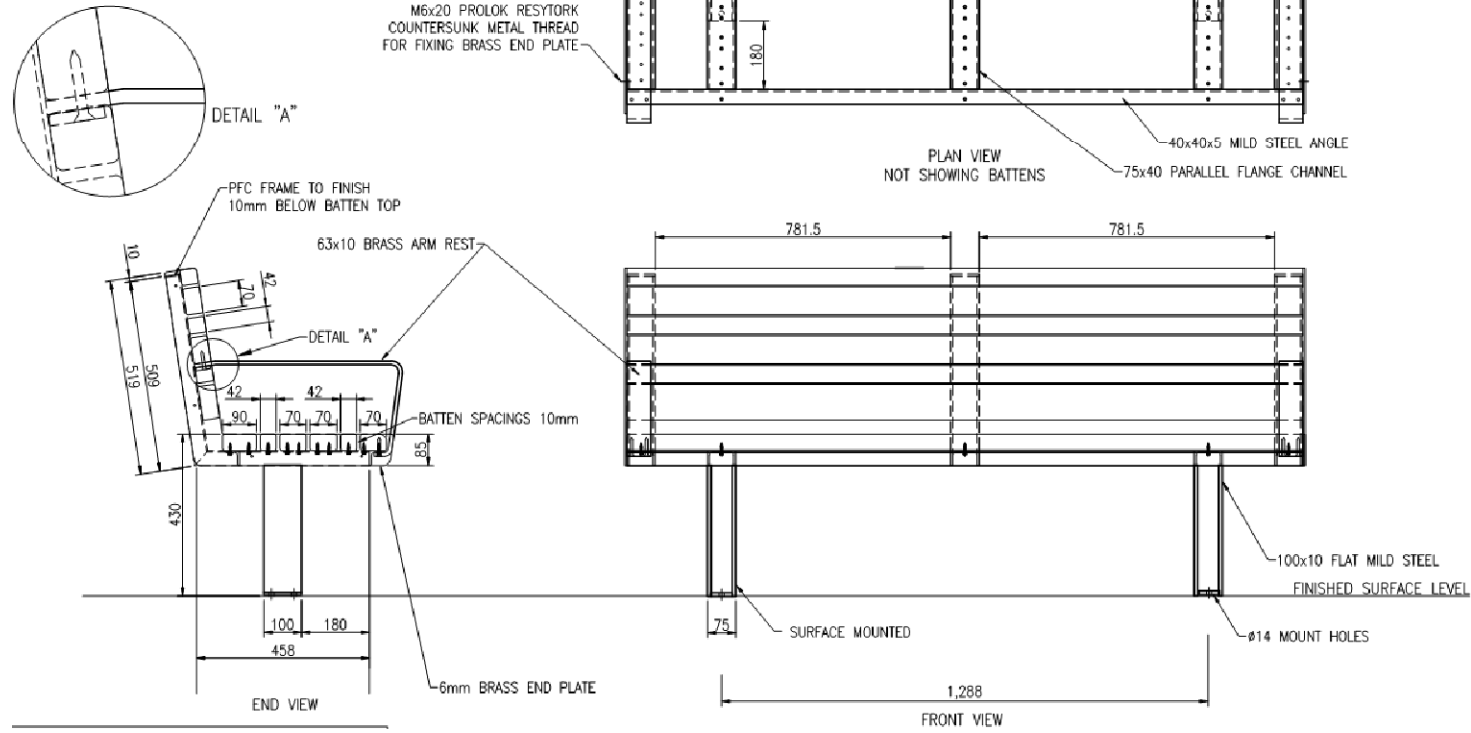


CONCRETE BENCH PHOTO 2

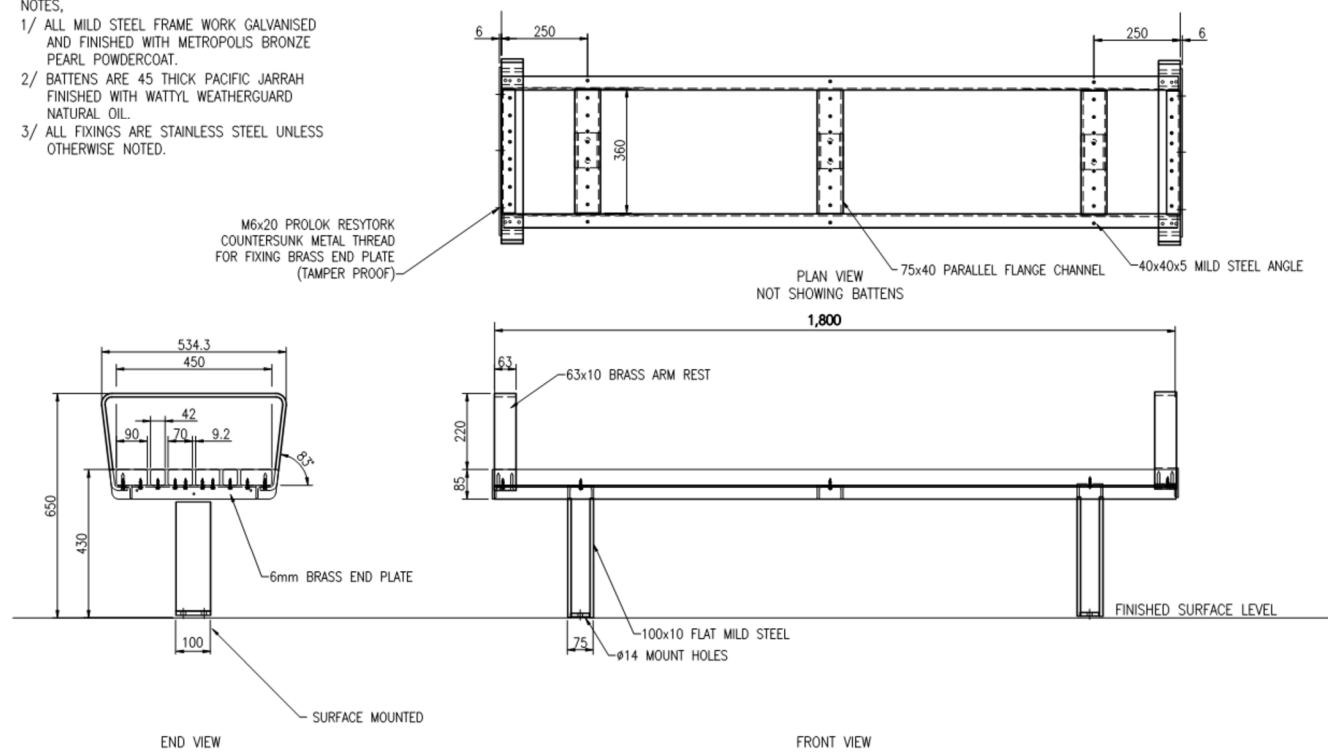


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E	FOR WORKS APPROVAL	AN	2028.03.12	RJ	 ACT Government City Renewal Authority	 INDESCO CANBERRA SYDNEY WOLLONGONG www.Indesco.com.au	 chincivil PTY LTD	WEST BASIN PHASE 2	CONCRETE SEAT DETAILS
D	FOR TENDER	AN	2028.02.27	RJ					
C	FOR WORKS APPROVAL	AN	2028.02.17	RJ					
B	FOR WORKS APPROVAL	AN	2028.02.11	RJ					
A	FOR TENDER	AN	2028.01.31	RJ					
								APPROVED VL DATE 2018.09.04 CHECKED AC/JKR DATE 2018.09.04 DESIGNED BY L. MAYERS DRAWN BY SG CAD FILE H:\6617 West Basin W42 Design Phase\Acad\Current Drawings\Civil\81 Detail Design\6617-01-413 DETAIL.dwg	PROJECT No. 6617-01 DRAWING No. 413 AMDT E

- NOTES:
- 1/ ALL MILD STEEL FRAME WORK GALVANISED AND FINISHED WITH METROPOLIS BRONZE PEARL POWDERCOAT.
 - 2/ BATTENS ARE 45 THICK PACIFIC JARRAH FINISHED WITH WATYIL WEATHERGUARD NATURAL OIL.
 - 3/ ALL FIXINGS ARE STAINLESS STEEL UNLESS OTHERWISE NOTED.



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









No.	AMENDMENT	APPROVED	DATE	ISSUED BY	PRINCIPAL
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C	FOR WORKS APPROVAL	AN	2028.02.17	RJ	
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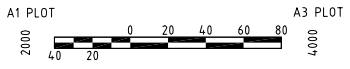






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VL	2018.09.04
CHECKED	DATE
AC/JKR	2018.09.04
DESIGNED BY	L. MAYERS
DRAWN BY	SG
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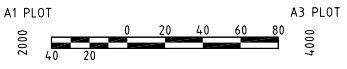
PROJECT	DRAWING TITLE
WEST BASIN PHASE 2	BENCH SEAT DETAILS
PROJECT No. 6617-01	DRAWING No. 414
	AMDT E

LEGEND

-  PROPOSED TREES. SPECIES VARIES
-  EXISTING TREES
-  SEATING
-  GRAVEL FINISH LAYER TO FUTURE DETAIL
-  ASPHALT
-  CONCRETE PAVING
-  PRECAST CONCRETE BOARDWALK
-  EXISTING CYCLE PATH
-  GRASS
-  WATER BODY



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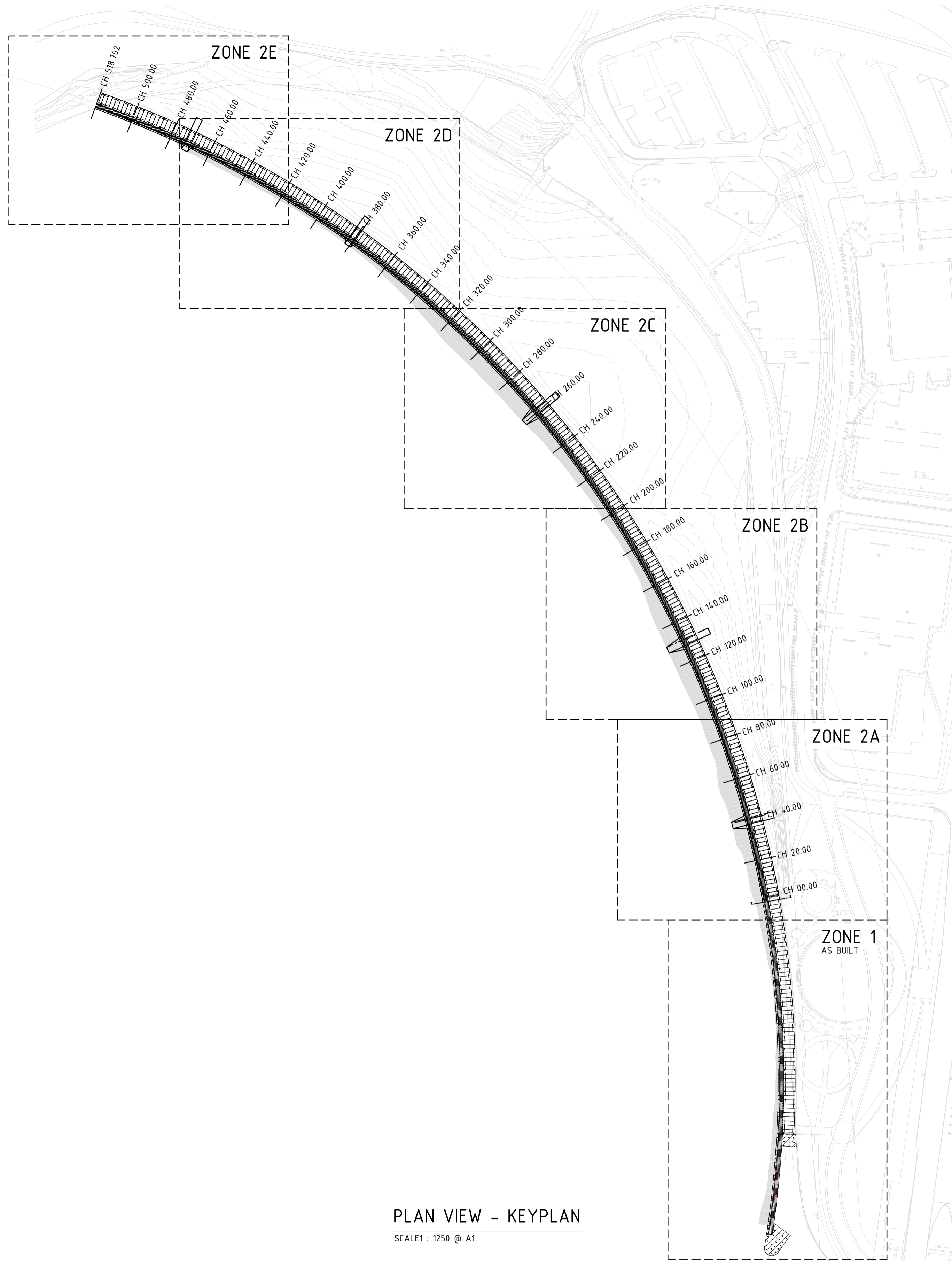
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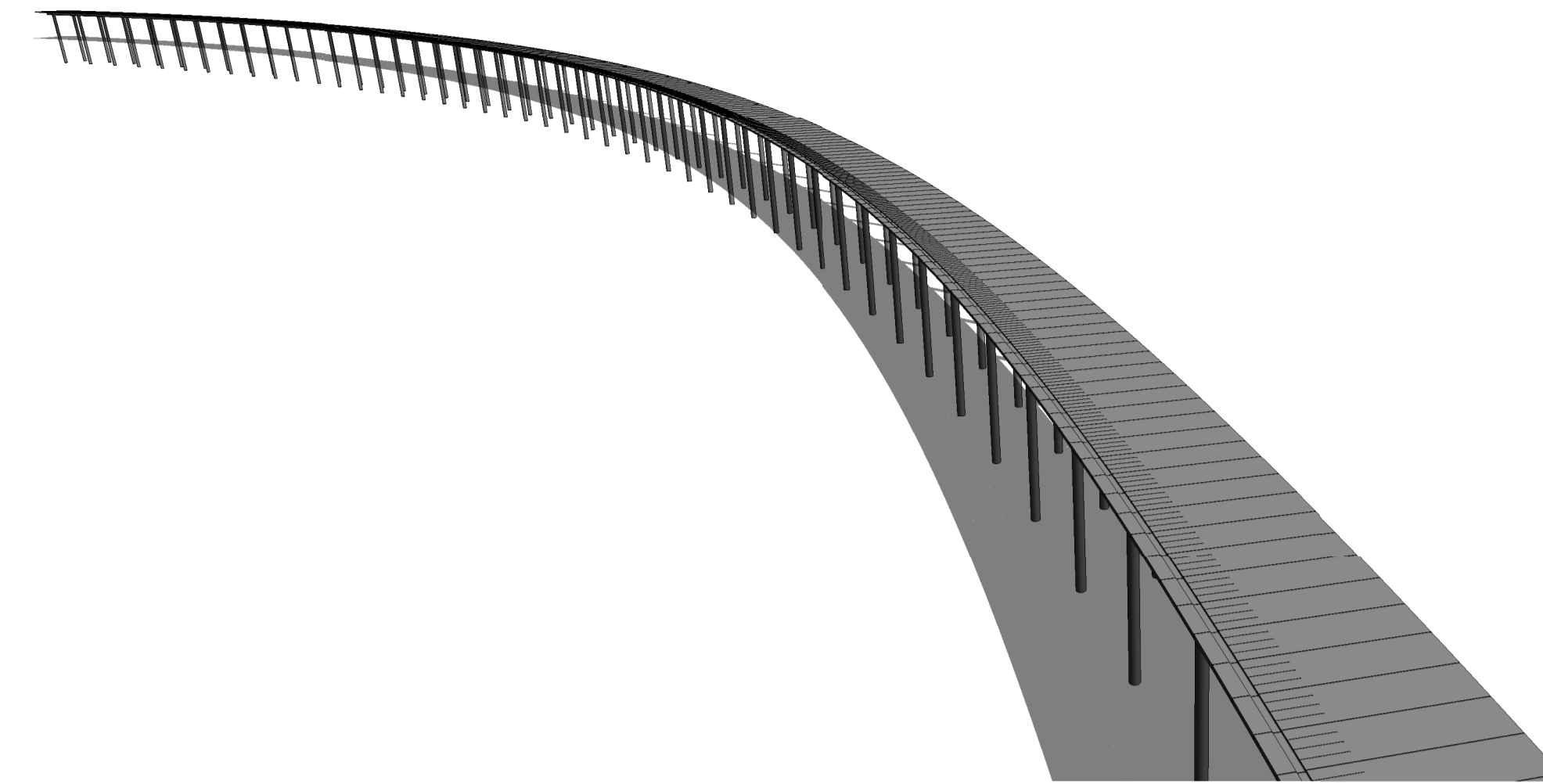
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DRAWN BY	A. TARLINTON		
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WEST BASIN PHASE 2

DRAWING TITLE		
TYPICAL CROSS SECTION LANDSCAPE TREATMENT		
PROJECT No.	DRAWING No.	AMDT
6617-01	501	D



PLAN VIEW - KEYPLAN
SCALE 1: 1250 @ A1



3D PERSECTIVE - VIEW 1
SCALE @ A1



3D PERSPPECTIVE - VIEW 2
SCALE @ A1

LOADING LEGEND			
PILE MARK	PILE (SIZE)	WORKING	ULTIMATE
P1	600 CHS 12.7	900 kN	1200 kN
CANTILEVERED BOARDWALK TO SEAT		SDL 0.5KPa	LL 10KPa
BOARDWALK EXTENSION		SDL 0.5KPa	LL 4KPa
HORIZONTAL IMPACT LOAD		10kN	

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	PRINCIPAL
5	ISSUED FOR TENDER	AH	04/02/20	JK	
4	ISSUED FOR APPROVAL	AH	10/10/18	JK	
3	ISSUED FOR COSTING/PRICING	AH	04/09/18	JK	
2	ISSUED FOR COSTING/PRICING	AH	02/08/18	JK	
1	ISSUED FOR INFORMATION	AH	26/07/18	JK	



APPROVED	AH	DATE	21.06.18
CHECKED	AH	DATE	
DESIGNED BY	MH		
DRAWN BY	JK		
CAD FILE	C:\Users\william.baker\Documents\6617 - West Basin Structural_WBaker.rvt		
SCALE	As indicated	SHEET No.	

PROJECT
**WEST BASIN
RE-DEVELOPMENT
POINT PARK PHASE 2**

DRAWING TITLE PROMENADE PLANS - KEYPLAN		
PROJECT No. 6617 - 01	DRAWING No. C601	AMDT 5

REFER DRAWING C603 FOR CONTINUATION

SHEETPILE WALL UNDER
REFER TO DRAWING C616
FOR DETAILS.
REFER CIVIL DRAWINGS FOR
LOCATION

SHEETPILE WALL UNDER
REFER TO DRAWING C616
FOR DETAILS

NOTCH OUT EXISTING SHEETPILE WALL
FOR PRECAST CAPPING BEAM
CONNECTION/INSTALLATION
REFER TO DRAWING C615/C616
FOR DETAILS

EXISTING STAGE 1 PANELS, CAPPING BEAMS
AND BORED PIERS.

REFER CIVIL DRAWINGS FOR EXTENT

REFER CIVIL DRAWINGS FOR EXTENT

PRECAST PANELS
REFER TO DRAWING C627 & C628
FOR DETAILS

PRECAST CAPPING BEAM (PCB)
UNDER
REFER TO DRAWING C616
FOR DETAILS

USE SHEETPILE PROFILE GU 10N
FOR THESE AREAS

LEGEND

- P1-** DENOTES PIER UNDER - REFER SCHEDULE FOR SIZE & TYPE
- PCB1 DENOTES PRECAST CAPPING BEAM - REFER DETAILS
- PCBJ DENOTES PRECAST CAPPING BEAM JOINT - REFER TO DETAILS
- CH***,** DENOTES CHAINAGE - REFER CIVIL DOCUMENTATION
- SWP* DENOTES SWIM PONTOON - REFER TO DETAILS
- SHW1 DENOTES SHEETPILE WALL UNDER - REFER TO DETAILS FOR TYPE
- PT1-4 DENOTES PANEL TYPE - REFER TO CIVIL DOCUMENTATION AND C627 & C628 FOR DETAILS

PRECAST PANEL TYPE

NOTE:
REFER TO CIVIL DRAWINGS FOR PRECAST PANEL TYPE
REFER DRAWINGS C627-C630 FOR SIZES, REINFORCEMENT ARRANGEMENTS,
LIGHT POLE LOCATIONS & CONDUIT REQUIREMENTS.
ALL SETOUTS OF PRECAST PANELS TO CIVIL DRAWINGS

LOADING LEGEND

PILE MARK	PILE (SIZE)	WORKING	ULTIMATE
P1	600 CHS 12.7	900 kN	1200 kN
CANTILEVERED BOARDWALK TO SEAT		SDL	LL
BOARDWALK EXTENSION		0.5KPa	10KPa
HORIZONTAL IMPACT LOAD		0.5KPa	4KPa
		10kN	

PLAN VIEW - KEYPLAN - ZONE 2A

SCALE 1 : 200 @ A1

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	PRINCIPAL
5	ISSUED FOR TENDER	AH	04.02.20	JK	
4	ISSUED FOR APPROVAL	AH	10.10.18	JK	
3	ISSUED FOR COSTING/PRICING	AH	04/09/18	JK	
2	ISSUED FOR COSTING/PRICING	AH	02/08/18	JK	
1	ISSUED FOR INFORMATION	AH	26/07/18	JK	



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Level 1 Equinox 4, 70 Kent Street
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Phone: (02) 6285 1022 Fax: 6285 2618 NSW 2150 Tel: (02) 9633 2273

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Davis Langdon Certification Services

PRINCIPAL CONTRACTOR

PTY LTD

APPROVED	AH	DATE	21.06.18
CHECKED	AH	DATE	
DESIGNED BY	MH		
DRAWN BY	JK		
CAD FILE	C:\Users\william.baker\Documents\6617 - West Basin Structural_WBaker.rvt		
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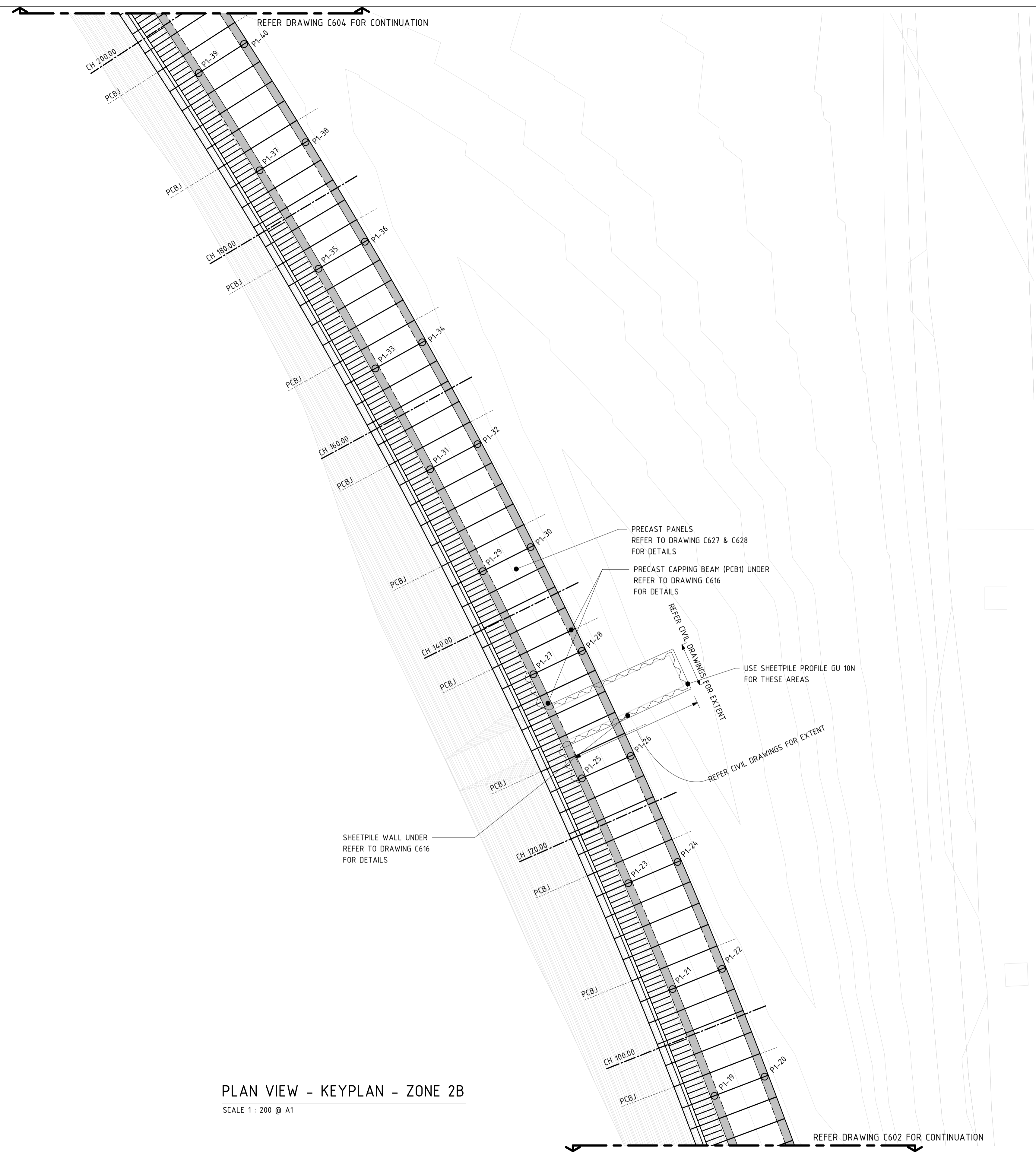
PROJECT

**WEST BASIN
RE-DEVELOPMENT
POINT PARK PHASE 2**

DRAWING TITLE

**PROMENADE PLANS - SHEET 1
(ZONE 2A)**

PROJECT No.	DRAWING No.	AMT
6617 - 01	C602	5



PLAN VIEW - KEYPLAN - ZONE 2B
SCALE 1 : 200 @ A1

LEGEND	
P1-**	DENOTES PIER UNDER - REFER SCHEDULE FOR SIZE & TYPE
PCB1	DENOTES PRECAST CAPPING BEAM - REFER DETAILS
PCBJ	DENOTES PRECAST CAPPING BEAM JOINT - REFER TO DETAILS
CH***,**	DENOTES CHAINAGE - REFER CIVIL DOCUMENTATION
SWP*	DENOTES SWIM PONTOON - REFER TO DETAILS
SHW1	DENOTES SHEETPILE WALL UNDER - REFER TO DETAILS FOR TYPE
PT1-4	DENOTES PANEL TYPE - REFER TO CIVIL DOCUMENTATION AND C627 & C628 FOR DETAILS

PRECAST PANEL TYPE

NOTE:
REFER TO CIVIL DRAWINGS FOR PRECAST PANEL TYPE
REFER DRAWINGS C627-C630 FOR SIZES, REINFORCEMENT ARRANGEMENTS,
LIGHT POLE LOCATIONS & CONDUIT REQUIREMENTS.
ALL SETOUTS OF PRECAST PANELS TO CIVIL DRAWINGS

LOADING LEGEND			
PILE MARK	PILE (SIZE)	WORKING	ULTIMATE
P1	600 CHS 12.7	900 kN	1200 kN
CANTILEVERED BOARDWALK TO SEAT		SDL	LL
		0.5kPa	10kPa
BOARDWALK EXTENSION		SDL	LL
		0.5kPa	4kPa
HORIZONTAL IMPACT LOAD		10kN	

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	PRINCIPAL
5	ISSUED FOR TENDER	AH	04.02.20	JK	
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2	ISSUED FOR COSTING/PRICING	AH	02/08/18	JK	
1	ISSUED FOR INFORMATION	AH	26/07/18	JK	

ACT Government
City Renewal Authority

CONSULTANT

INDESCO
 CANBERRA Level 1 Equinox 4, 70 Kent Street
 SYDNEY Suite 401, Level 4, 24 Hunter Street Parramatta
 Phone: (02) 6285 1022 Fax: 6285 2618 NSW 2150 Tel: (02) 9633 2273

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 Davis Langdon Certification Services

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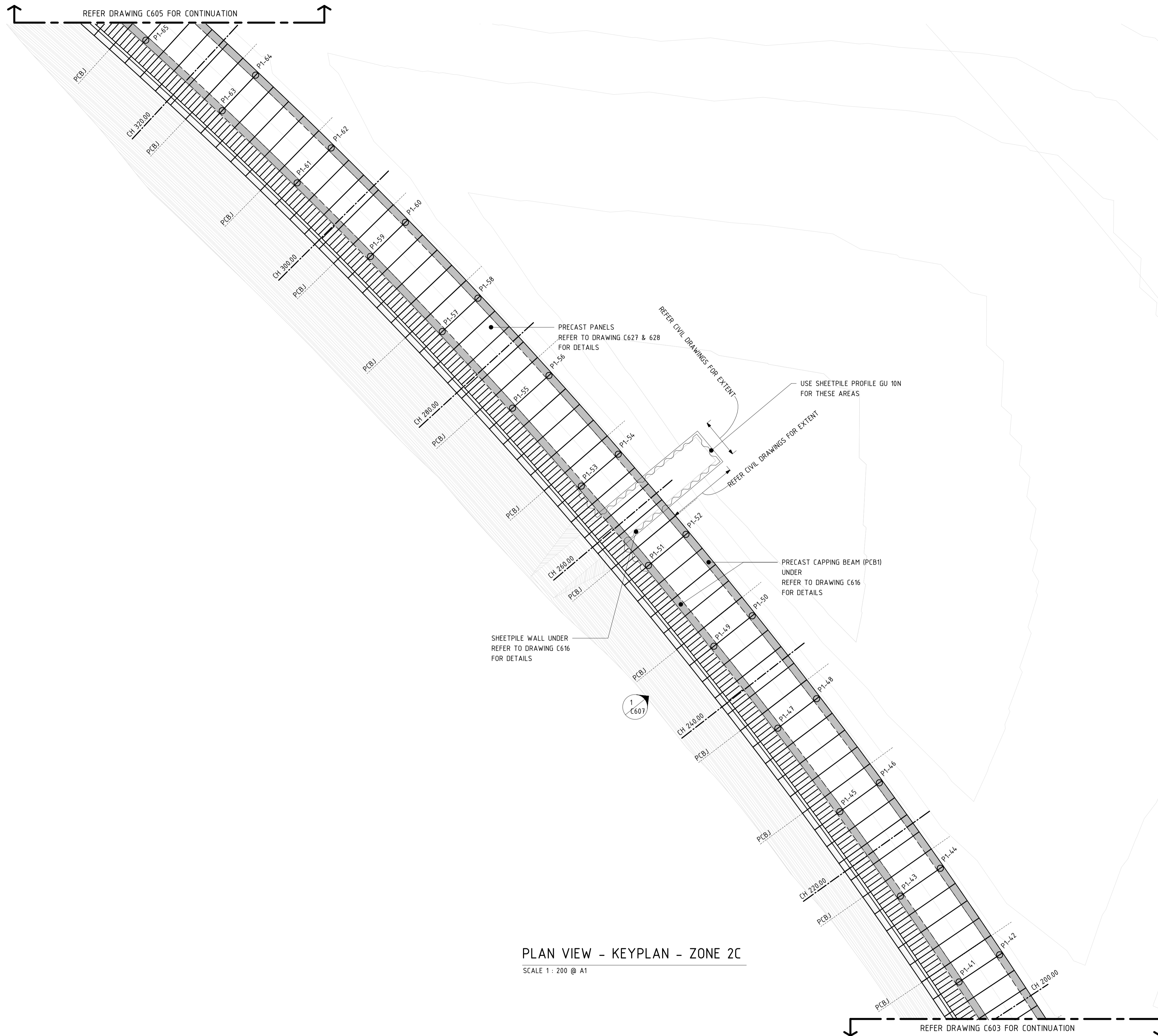
chincivil
 PTY LTD

APPROVED	AH	DATE	21.06.18
CHECKED	AH	DATE	
DESIGNED BY	MH		
DRAWN BY	JK		
CAD FILE	C:\Users\william.baker\Documents\6617 - West Basin Structural_WBaker.rvt		
SCALE	As indicated	SHEET No.	

PROJECT

WEST BASIN RE-DEVELOPMENT POINT PARK PHASE 2

DRAWING TITLE		
PROMENADE PLANS - SHEET 2 (ZONE 2B)		
PROJECT No.	DRAWING No.	AMT
6617 - 01	C603	5



PLAN VIEW - KEYPLAN - ZONE 2C
SCALE 1 : 200 @ A1

LEGEND	
P1-**	DENOTES PIER UNDER - REFER SCHEDULE FOR SIZE & TYPE
PCB1	DENOTES PRECAST CAPPING BEAM - REFER DETAILS
PCBJ	DENOTES PRECAST CAPPING BEAM JOINT - REFER TO DETAILS
CH***,**	DENOTES CHAINAGE - REFER CIVIL DOCUMENTATION
SWP*	DENOTES SWIM PONTOON - REFER TO DETAILS
SHW1	DENOTES SHEETPILE WALL UNDER - REFER TO DETAILS FOR TYPE
PT1-4	DENOTES PANEL TYPE - REFER TO CIVIL DOCUMENTATION AND C627 & C628 FOR DETAILS

PRECAST PANEL TYPE	
NOTE: REFER TO CIVIL DRAWINGS FOR PRECAST PANEL TYPE REFER DRAWINGS C627-C630 FOR SIZES, REINFORCEMENT ARRANGEMENTS, LIGHT POLE LOCATIONS & CONDUIT REQUIREMENTS. ALL SETOUTS OF PRECAST PANELS TO CIVIL DRAWINGS	

LOADING LEGEND			
PILE MARK	PILE (SIZE)	WORKING	ULTIMATE
P1	600 CHS 12.7	900 kN	1200 kN
CANTILEVERED BOARDWALK TO SEAT		SDL	LL
		0.5KPa	10KPa
BOARDWALK EXTENSION		SDL	LL
		0.5KPa	4KPa
HORIZONTAL IMPACT LOAD		10kN	

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	PRINCIPAL
5	ISSUED FOR TENDER	AH	04.02.20	JK	
4	ISSUED FOR APPROVAL	AH	10.10.18	JK	
3	ISSUED FOR COSTING/PRICING	AH	04/09/18	JK	
2	ISSUED FOR COSTING/PRICING	AH	02/08/18	JK	
1	ISSUED FOR INFORMATION	AH	26/07/18	JK	



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PRINCIPAL CONTRACTOR

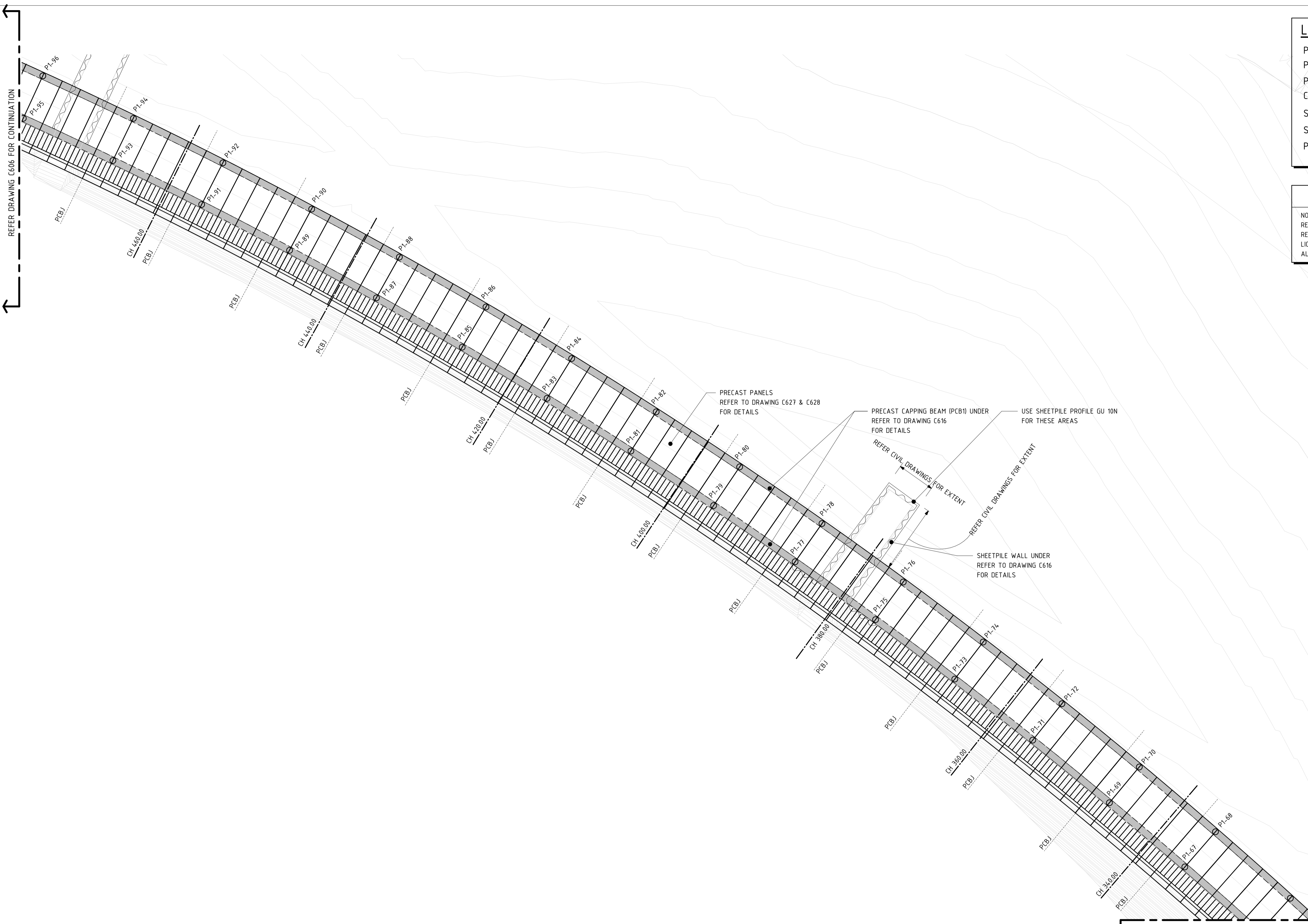
chincivil
PTY LTD

APPROVED	AH	DATE	21.06.18
CHECKED	AH	DATE	
DESIGNED BY	MH		
DRAWN BY	JK		
CAD FILE	C:\Users\william.baker\Documents\6617 - West Basin Structural_WBaker.rvt		
SCALE	As indicated	SHEET No.	

PROJECT

WEST BASIN RE-DEVELOPMENT POINT PARK PHASE 2

DRAWING TITLE		
PROMENADE PLANS - SHEET 3 (ZONE 2C)		
PROJECT No.	DRAWING No.	AMT
6617 - 01	C604	5



LEGEND	
P1-**	DENOTES PIER UNDER - REFER SCHEDULE FOR SIZE & TYPE
PCB1	DENOTES PRECAST CAPPING BEAM - REFER DETAILS
PCBJ	DENOTES PRECAST CAPPING BEAM JOINT - REFER TO DETAILS
CH***,**	DENOTES CHAINAGE - REFER CIVIL DOCUMENTATION
SWP*	DENOTES SWIM PONTOON - REFER TO DETAILS
SHW1	DENOTES SHEETPILE WALL UNDER - REFER TO DETAILS FOR TYPE
PT1-4	DENOTES PANEL TYPE - REFER TO CIVIL DOCUMENTATION AND C627 & C628 FOR DETAILS

PRECAST PANEL TYPE

NOTE:
 REFER TO CIVIL DRAWINGS FOR PRECAST PANEL TYPE
 REFER DRAWINGS C627-C630 FOR SIZES, REINFORCEMENT ARRANGEMENTS,
 LIGHT POLE LOCATIONS & CONDUIT REQUIREMENTS.
 ALL SETOUTS OF PRECAST PANELS TO CIVIL DRAWINGS

PLAN VIEW - KEYPLAN - ZONE 2D
 SCALE 1 : 200 @ A1

LOADING LEGEND			
PILE MARK	PILE (SIZE)	WORKING	ULTIMATE
P1	600 CHS 12.7	900 kN	1200 kN
CANTILEVERED BOARDWALK TO SEAT		SDL	LL
		0.5KPa	10KPa
BOARDWALK EXTENSION		SDL	LL
		0.5KPa	4KPa
HORIZONTAL IMPACT LOAD		10kN	

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	PRINCIPAL
5	ISSUED FOR TENDER	AH	04.02.20	JK	
4	ISSUED FOR APPROVAL	AH	10.10.18	JK	
3	ISSUED FOR COSTING/PRICING	AH	04/09/18	JK	
2	ISSUED FOR COSTING/PRICING	AH	02/08/18	JK	
1	ISSUED FOR INFORMATION	AH	26/07/18	JK	



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PRINCIPAL CONTRACTOR

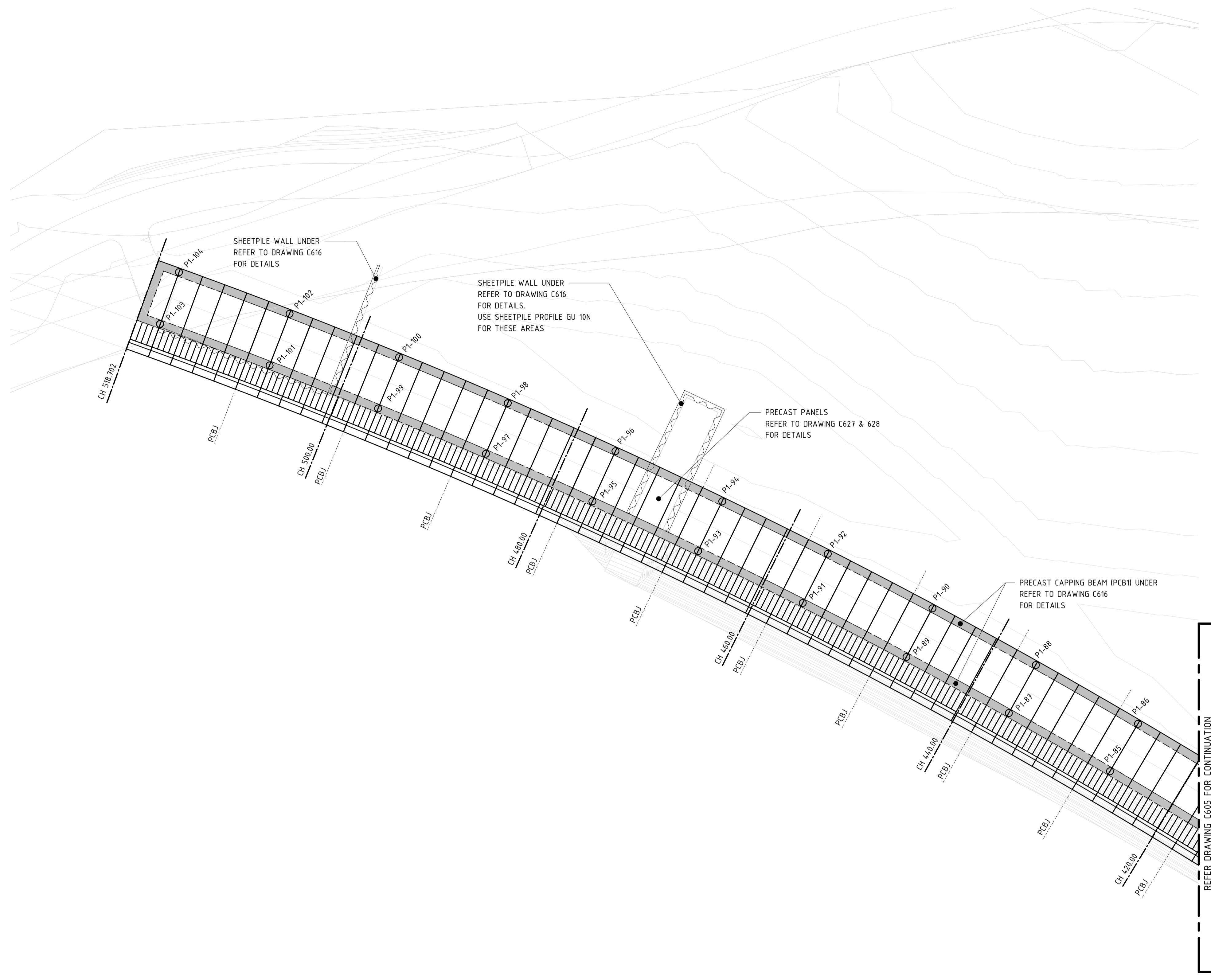
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APPROVED	AH	DATE	21.06.18
CHECKED	AH	DATE	
DESIGNED BY	MH		
DRAWN BY	JK		
CAD FILE	C:\Users\william.baker\Documents\6617 - West Basin Structural_WBaker.rvt		
SCALE	As indicated	SHEET No.	

PROJECT

WEST BASIN
 RE-DEVELOPMENT
 POINT PARK PHASE 2

DRAWING TITLE		
PROMENADE PLANS - SHEET 4 (ZONE 2D)		
PROJECT No.	DRAWING No.	AMT
6617 - 01	C605	5



PLAN VIEW - KEYPLAN - ZONE 2E

SCALE 1 : 200 @ A1

LEGEND	
P1-**	DENOTES PIER UNDER - REFER SCHEDULE FOR SIZE & TYPE
PCB1	DENOTES PRECAST CAPPING BEAM - REFER DETAILS
PCBJ	DENOTES PRECAST CAPPING BEAM JOINT - REFER TO DETAILS
CH***,**	DENOTES CHAINAGE - REFER CIVIL DOCUMENTATION
SWP*	DENOTES SWIM PONTOON - REFER TO DETAILS
SHW1	DENOTES SHEETPILE WALL UNDER - REFER TO DETAILS FOR TYPE
PT1-4	DENOTES PANEL TYPE - REFER TO CIVIL DOCUMENTATION AND C627 & C628 FOR DETAILS

PRECAST PANEL TYPE	
NOTE: REFER TO CIVIL DRAWINGS FOR PRECAST PANEL TYPE REFER DRAWINGS C627-C630 FOR SIZES, REINFORCEMENT ARRANGEMENTS, LIGHT POLE LOCATIONS & CONDUIT REQUIREMENTS. ALL SETOUTS OF PRECAST PANELS TO CIVIL DRAWINGS	

LOADING LEGEND			
PILE MARK	PILE (SIZE)	WORKING	ULTIMATE
P1	600 CHS 12.7	900 kN	1200 kN
CANTILEVERED BOARDWALK TO SEAT		SDL 0.5KPa	LL 10KPa
BOARDWALK EXTENSION		SDL 0.5KPa	LL 4KPa
HORIZONTAL IMPACT LOAD		10kN	

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	PRINCIPAL
5	ISSUED FOR TENDER	AH	04/02/20	JK	
4	ISSUED FOR APPROVAL	AH	10/10/18	JK	
3	ISSUED FOR COSTING/PRICING	AH	04/09/18	JK	
2	ISSUED FOR COSTING/PRICING	AH	02/08/18	JK	
1	ISSUED FOR INFORMATION	AH	26/07/18	JK	



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SYDNEY Suite 401, Level 4, 24 Hunter Street Parramatta NSW 2150 PO Box W67 Parramatta Westfield Davis Langdon Certification Services

PRINCIPAL CONTRACTOR

chincivil
PTY LTD

APPROVED	Approver	DATE	06/26/18
CHECKED	Checker	DATE	
DESIGNED BY	Designer		
DRAWN BY	Author		
CAD FILE	C:\Users\william.baker\Documents\6617 - West Basin Structural_WBaker.rvt		
SCALE	As indicated	SHEET No.	

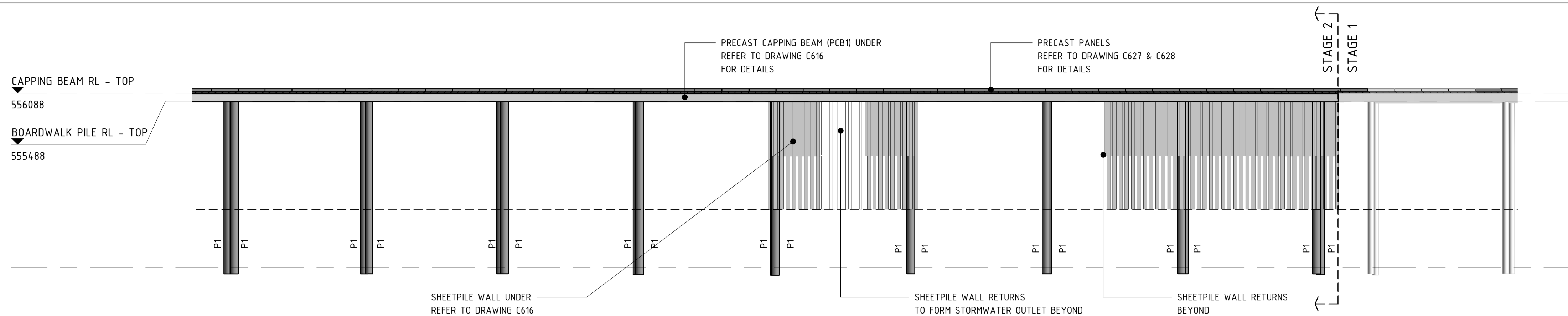
PROJECT

**WEST BASIN
RE-DEVELOPMENT
POINT PARK PHASE 2**

DRAWING TITLE

**PROMENADE PLANS - SHEET 5
(ZONE 2E)**

PROJECT No.	DRAWING No.	AMT
6617 - 01	C606	5

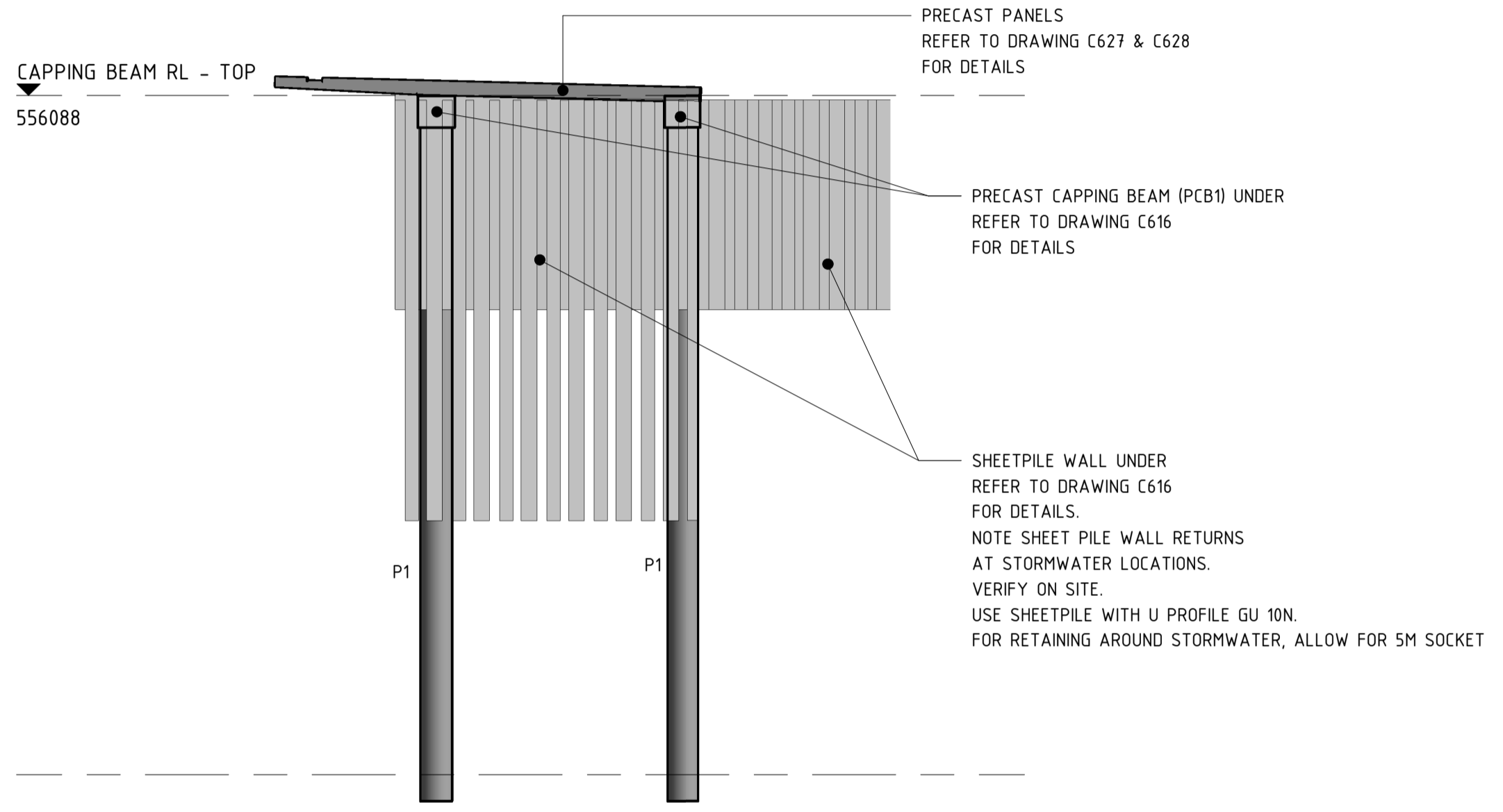


2A-E1 PROMENADE ELEVATION
C602 SCALE 1 : 200 @ A1

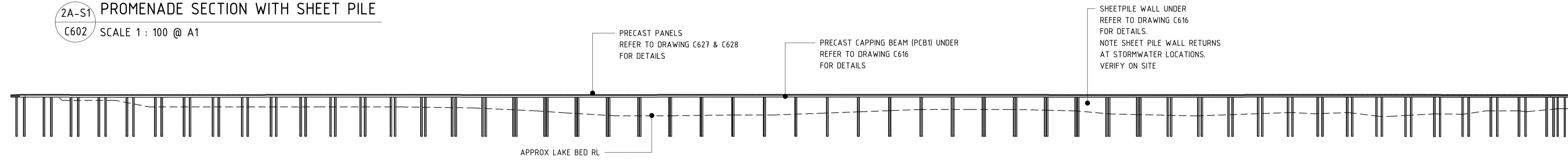
LEGEND	
P1-**	DENOTES PIER UNDER - REFER SCHEDULE FOR SIZE & TYPE
PCB1	DENOTES PRECAST CAPPING BEAM - REFER DETAILS
PCBJ	DENOTES PRECAST CAPPING BEAM JOINT - REFER TO DETAILS
CH***,**	DENOTES CHAINAGE - REFER CIVIL DOCUMENTATION
SWP*	DENOTES SWIM PONTOON - REFER TO DETAILS
SHW1	DENOTES SHEETPILE WALL UNDER - REFER TO DETAILS FOR TYPE
PT1-4	DENOTES PANEL TYPE - REFER TO CIVIL DOCUMENTATION AND C627 & C628 FOR DETAILS

PRECAST PANEL TYPE

NOTE:
REFER TO CIVIL DRAWINGS FOR PRECAST PANEL TYPE
REFER DRAWINGS C627-C630 FOR SIZES, REINFORCEMENT ARRANGEMENTS,
LIGHT POLE LOCATIONS & CONDUIT REQUIREMENTS.
ALL SETOUTS OF PRECAST PANELS TO CIVIL DRAWINGS



2A-S1 PROMENADE SECTION WITH SHEET PILE
C602 SCALE 1 : 100 @ A1



LONG SECTION
SCALE 1 : 750 @ A1

NOTE:
MINIMUM SOCKET DEPTH TO BE 5m OR UNTIL THE ULTIMATE
LOAD IS ACHIEVED WHICH EVER IS GREATER

LOADING LEGEND			
PILE MARK	PILE (SIZE)	WORKING	ULTIMATE
P1	600 CHS 12.7	900 kN	1200 kN
CANTILEVERED BOARDWALK TO SEAT		SDL 0.5KPa	LL 10KPa
BOARDWALK EXTENSION		SDL 0.5KPa	LL 4KPa
HORIZONTAL IMPACT LOAD		10kN	

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	PRINCIPAL
6	ISSUED FOR TENDER	AH	04.02.20	JK	
5	ISSUED FOR FINAL DESIGN	AH	30.08.19	JK	
4	ISSUED FOR APPROVAL	AH	10.10.18	JK	
3	ISSUED FOR COSTING/PRICING	AH	04/09/18	JK	
2	ISSUED FOR COSTING/PRICING	AH	02/08/18	JK	
1	ISSUED FOR INFORMATION	AH	26/07/18	JK	



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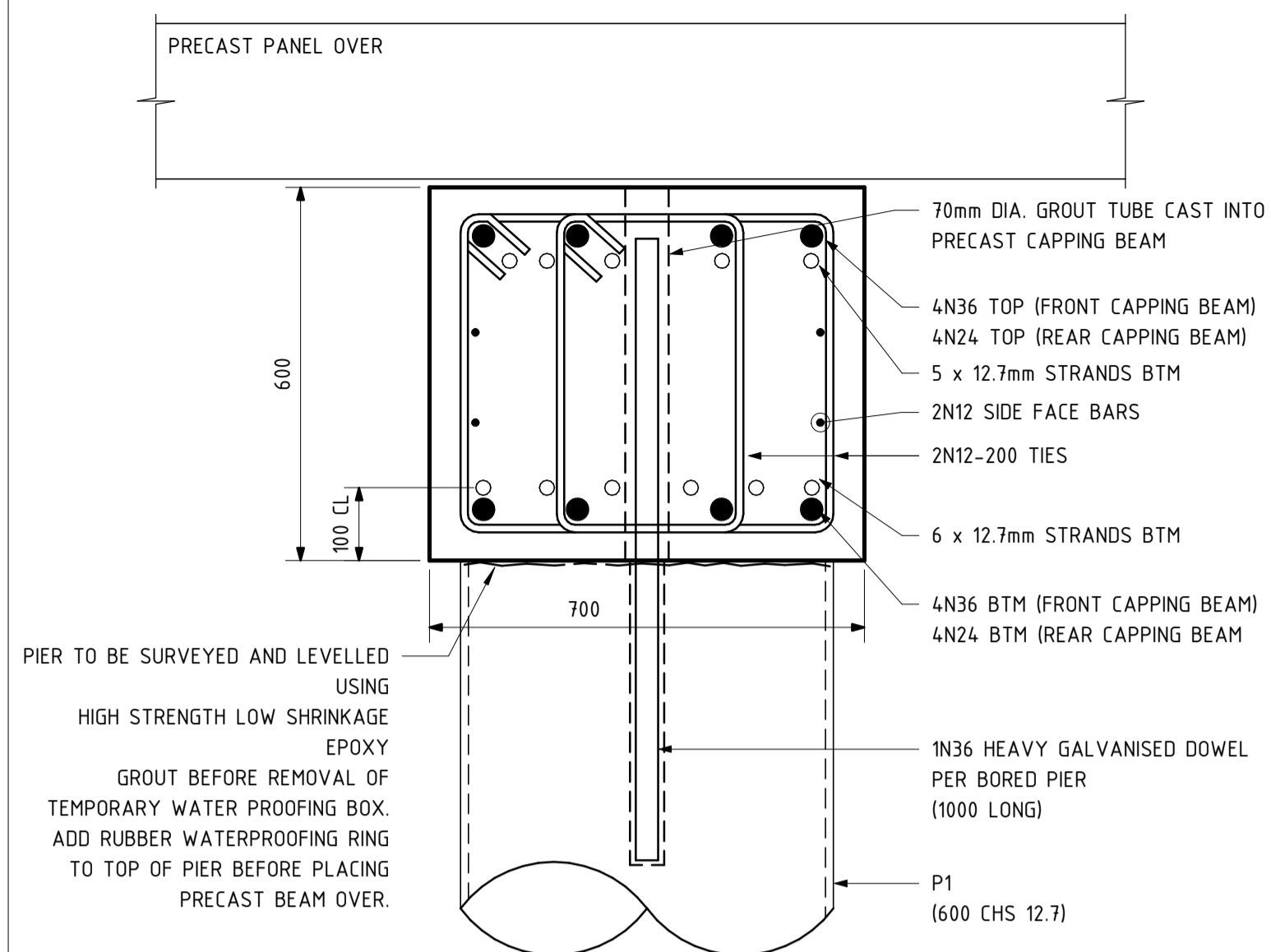
PRINCIPAL CONTRACTOR

APPROVED	AH	DATE	21.06.18
CHECKED	AH	DATE	
DESIGNED BY	MH		
DRAWN BY	JK		
CAD FILE	C:\Users\william.baker\Documents\6617 - West Basin Structural_W_baker.rvt		
SCALE	As indicated	SHEET No.	

PROJECT

WEST BASIN RE-DEVELOPMENT POINT PARK PHASE 2

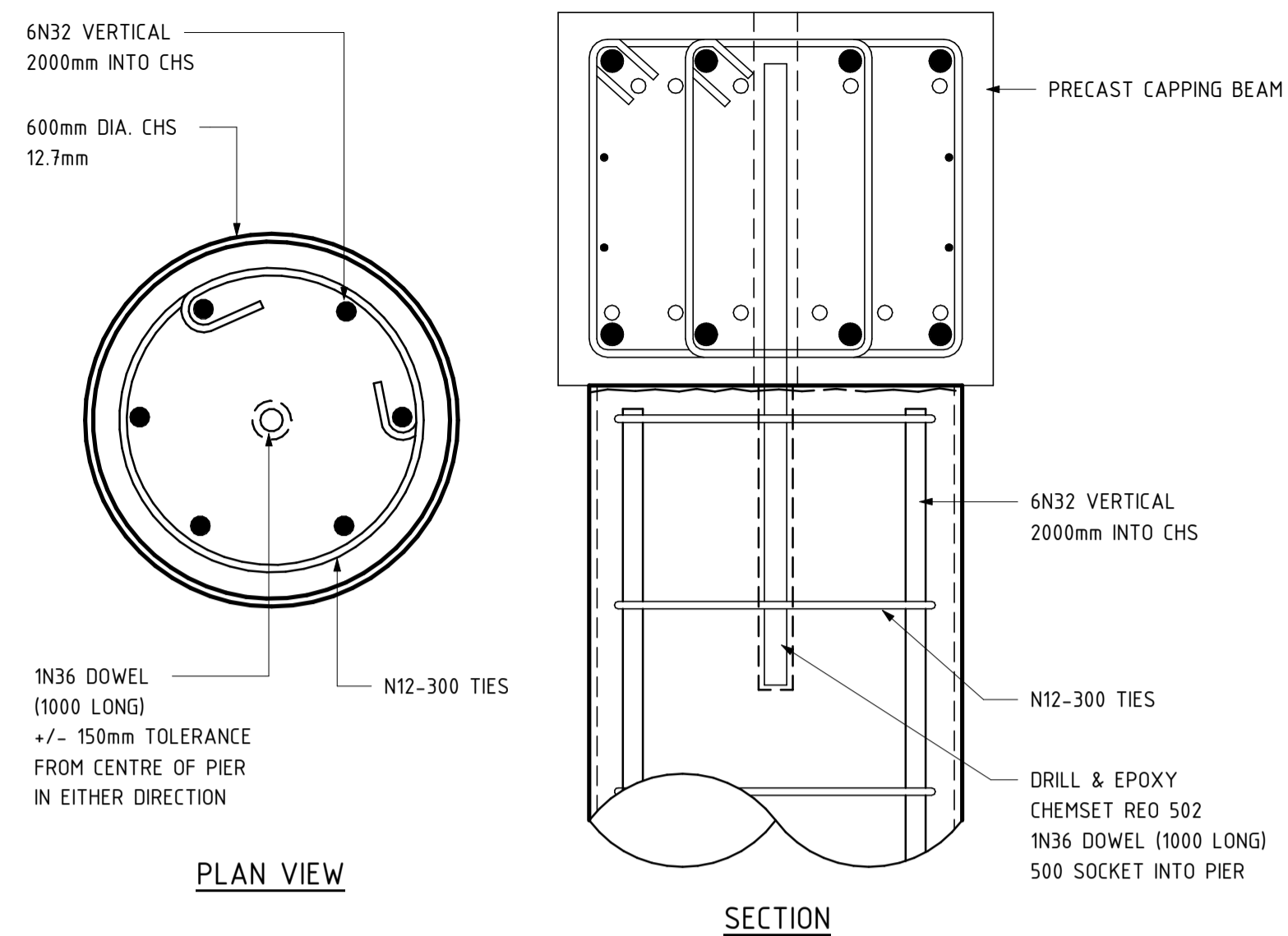
DRAWING TITLE		
PROMENADE ELEVATIONS & SECTIONS - SHEET 1		
PROJECT No.	DRAWING No.	AMDT
6617 - 01	C607	6



TYPICAL PRECAST CAPPING BEAM DETAIL

SCALE 1:10 @ A1

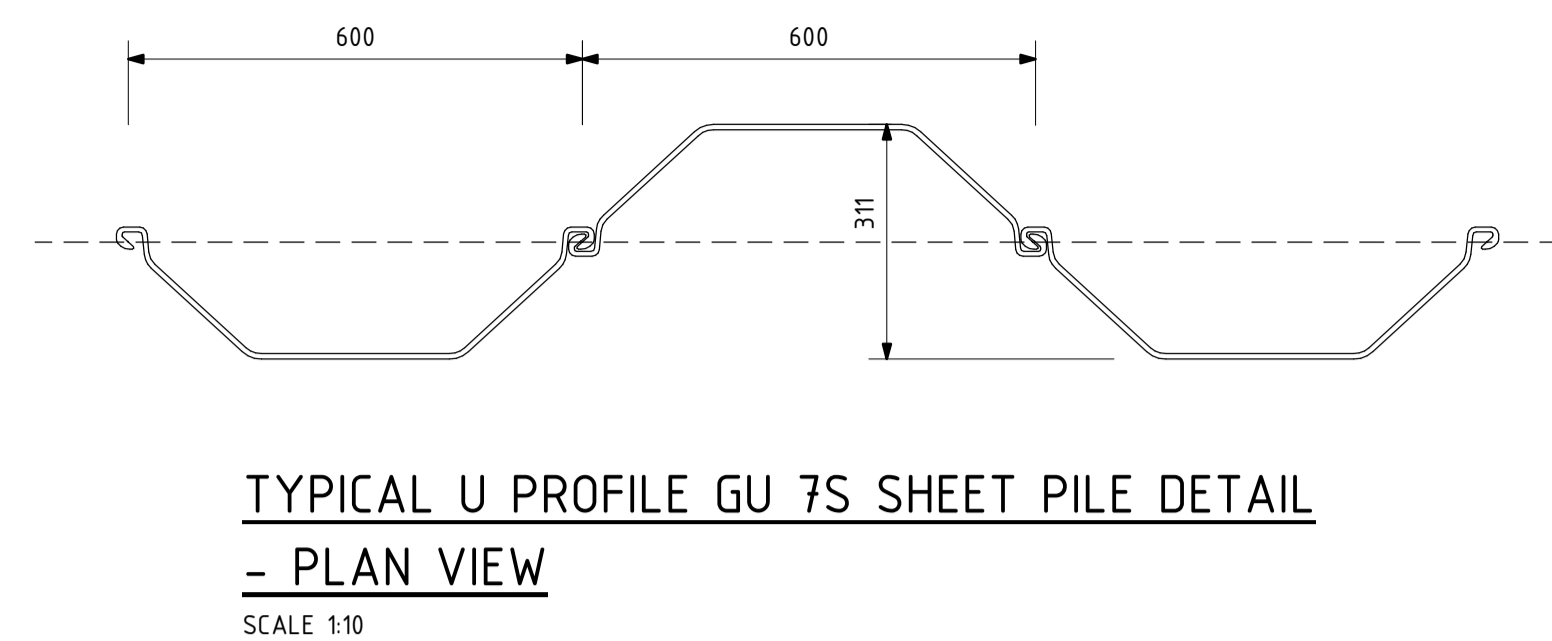
NOTE:
DENOTED AS PCB1 ON PLANS (MAX 10M LENGTHS)



TYPICAL BORED PIER DETAIL

SCALE 1:10 @ A1

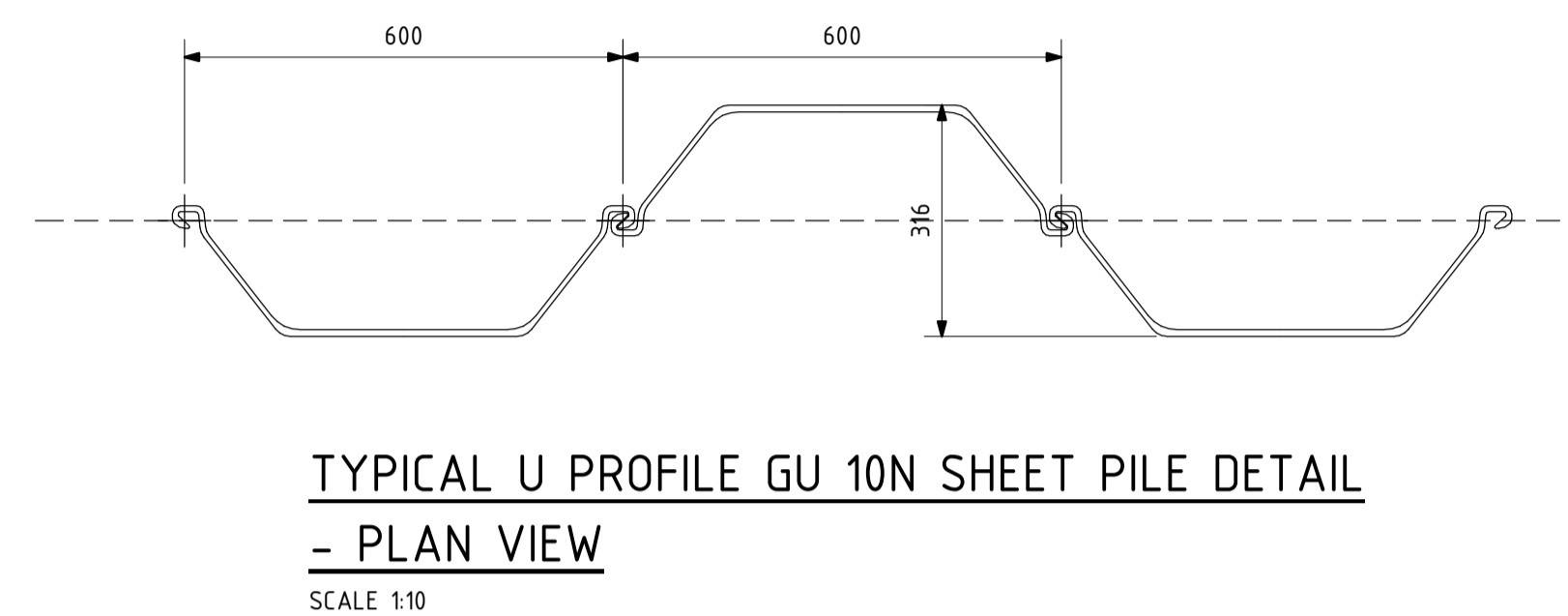
NOTE:
DENOTED AS P1-** ON PLANS



TYPICAL U PROFILE GU 7S SHEET PILE DETAIL

- PLAN VIEW

SCALE 1:10



TYPICAL U PROFILE GU 10N SHEET PILE DETAIL

- PLAN VIEW

SCALE 1:10

LEGEND

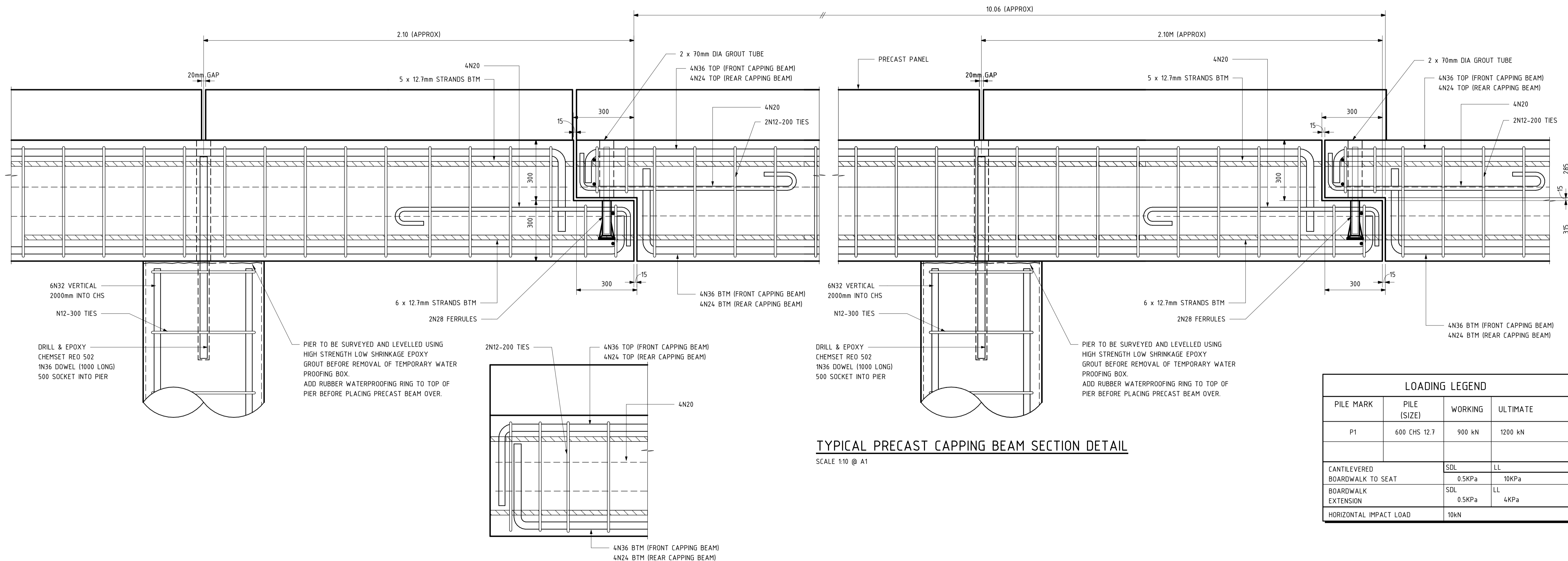
- P1-** DENOTES PIER UNDER - REFER SCHEDULE FOR SIZE & TYPE
- PCB1 DENOTES PRECAST CAPPING BEAM - REFER DETAILS
- PCBJ DENOTES PRECAST CAPPING BEAM JOINT - REFER TO DETAILS
- CH*** DENOTES CHAINAGE - REFER CIVIL DOCUMENTATION
- SWP* DENOTES SWIM PONTOON - REFER TO DETAILS
- SHW1 DENOTES SHEETPILE WALL UNDER - REFER TO DETAILS FOR TYPE
- PT1-4 DENOTES PANEL TYPE - REFER TO CIVIL DOCUMENTATION AND C627 & C628 FOR DETAILS

PRECAST PANEL TYPE

NOTE:
REFER TO CIVIL DRAWINGS FOR PRECAST PANEL TYPE
REFER DRAWINGS C627-C630 FOR SIZES, REINFORCEMENT ARRANGEMENTS,
LIGHT POLE LOCATIONS & CONDUIT REQUIREMENTS.
ALL SETOUTS OF PRECAST PANELS TO CIVIL DRAWINGS

TYPICAL PRECAST BEAM LENGTHS

LAKE SIDE BEAM LENGTH:	10.04M
LAND SIDE BEAM LENGTH:	10.15M
FIRST LAKE SIDE BEAM LENGTH:	13.68M
FIRST LAND SIDE BEAM LENGTH:	13.84M



TYPICAL PRECAST CAPPING BEAM SECTION DETAIL

SCALE 1:10 @ A1

LOADING LEGEND

PILE MARK	PILE (SIZE)	WORKING	ULTIMATE
P1	600 CHS 12.7	900 kN	1200 kN
CANTILEVERED BOARDWALK TO SEAT		SDL 0.5KPa	LL 10KPa
BOARDWALK EXTENSION		SDL 0.5KPa	LL 4KPa
HORIZONTAL IMPACT LOAD		10kN	

TYPICAL PRECAST CAPPING BEAM END DETAIL

SCALE 1:10 @ A1

No.	AMENDMENT	APPROVED	DATE	APPROVED BY	PRINCIPAL
5	ISSUED FOR TENDER	AH	04/02/20	JK	
4	ISSUED FOR APPROVAL	AH	10/10/18	JK	
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2	ISSUED FOR COSTING/PRICING	AH	02/08/18	JK	
1	ISSUED FOR INFORMATION	AH	26/07/18	JK	

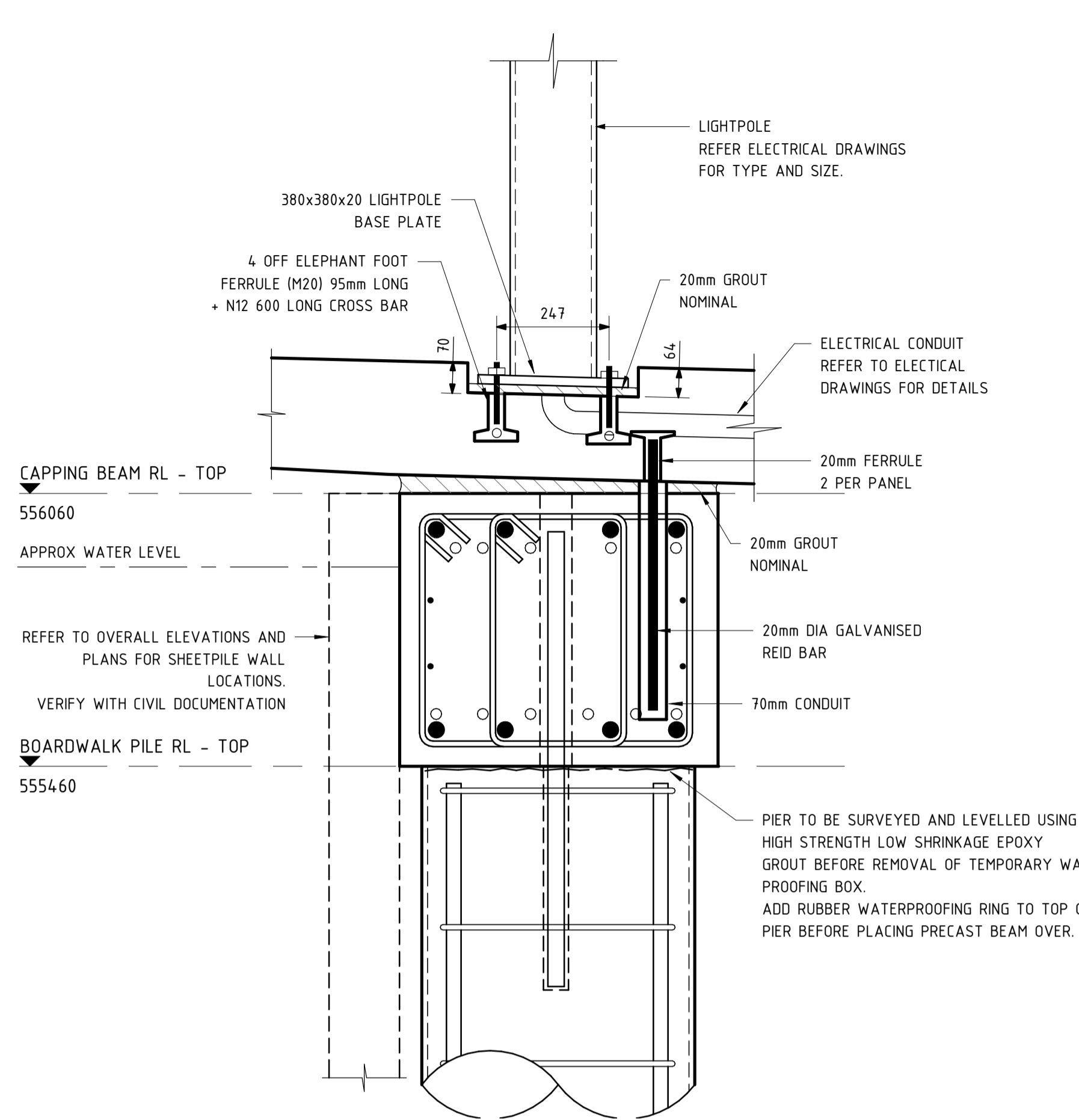


APPROVED	DATE	06/29/18
CHECKED	CHECKER	
DESIGNED BY	DESIGNER	
DRAWN BY	AUTHOR	
CAD FILE	C:\Users\william.baker\Documents\6617 - West Basin Structural_WBaker.rvt	
SCALE	AS INDICATED	
SHEET No.		

PROJECT
**WEST BASIN
RE-DEVELOPMENT
POINT PARK PHASE 2**

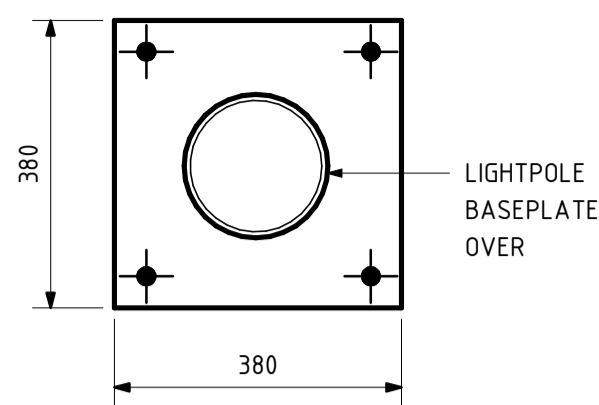
DRAWING TITLE
**PROMENADE CONNECTION DETAILS
- SHEET 2**

PROJECT No.	6617 - 01	DRAWING No.	C616	AMT	5
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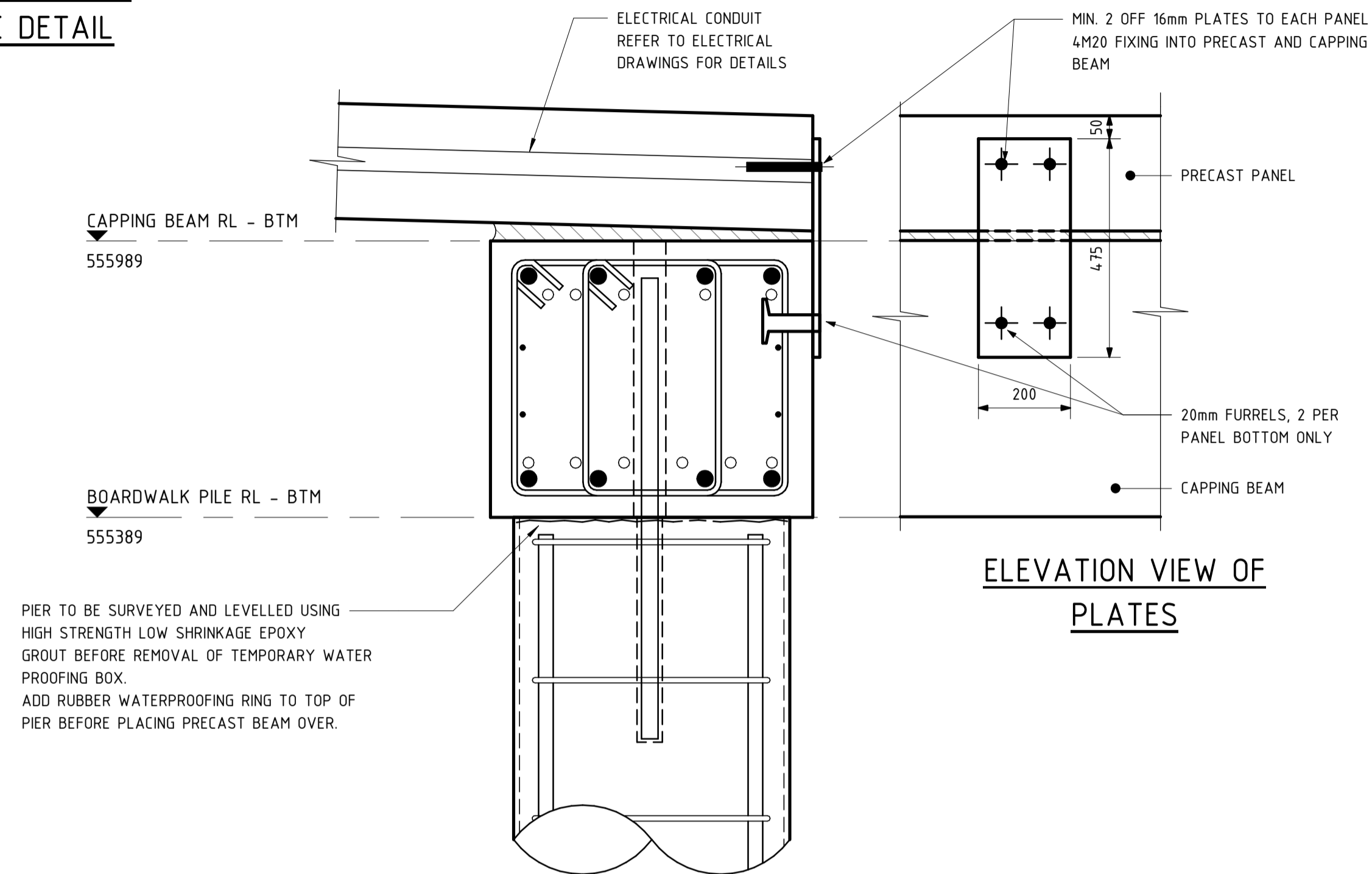


SHEET PILE WALL CONNECTION DETAIL

SCALE 1 : 10 @ A1

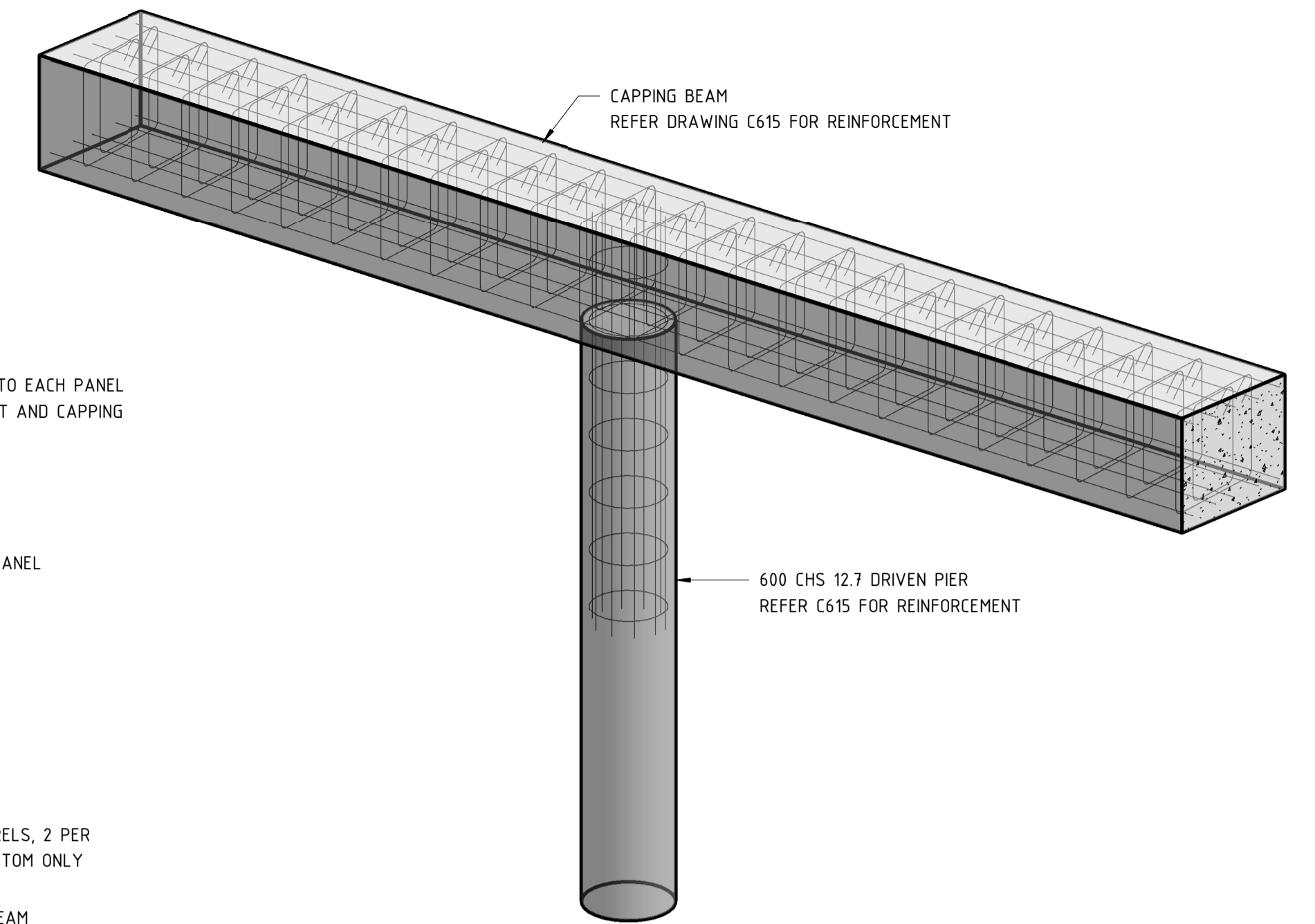


LIGHTPOLE BASE PLATE DETAIL



CAPPING BEAM CONNECTION DETAIL

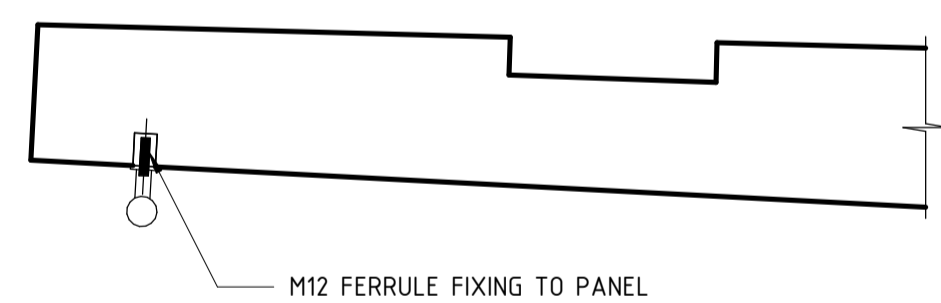
SCALE 1 : 10 @ A1



3D PERSPECTIVE - PIER AND CAPPING BEAM REINFORCEMENT

SCALE @ A1

3D PERSPECTIVE NOTE:
REFER TO DETAILS FOR ENDS OF CAPPING BEAM REINFORCEMENT



TYPICAL GRAB RAIL CONNECTION

SCALE 1:10

LEGEND	
P1-**	DENOTES PIER UNDER - REFER SCHEDULE FOR SIZE & TYPE
PCB1	DENOTES PRECAST CAPPING BEAM - REFER DETAILS
PCBJ	DENOTES PRECAST CAPPING BEAM JOINT - REFER TO DETAILS
CH***	DENOTES CHAINAGE - REFER CIVIL DOCUMENTATION
SWP*	DENOTES SWIM PONTOON - REFER TO DETAILS
SHW1	DENOTES SHEETPILE WALL UNDER - REFER TO DETAILS FOR TYPE
PT1-4	DENOTES PANEL TYPE - REFER TO CIVIL DOCUMENTATION AND C627 & C628 FOR DETAILS

PRECAST PANEL TYPE	
NOTE: REFER TO CIVIL DRAWINGS FOR PRECAST PANEL TYPE REFER DRAWINGS C627-C630 FOR SIZES, REINFORCEMENT ARRANGEMENTS, LIGHT POLE LOCATIONS & CONDUIT REQUIREMENTS. ALL SETOUTS OF PRECAST PANELS TO CIVIL DRAWINGS	

LOADING LEGEND			
PILE MARK	PILE (SIZE)	WORKING	ULTIMATE
P1	600 CHS 12.7	900 kN	1200 kN
CANTILEVERED BOARDWALK TO SEAT		SDL	LL
BOARDWALK EXTENSION		0.5KPa	10KPa
HORIZONTAL IMPACT LOAD		0.5KPa	4KPa
		10kN	

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	PRINCIPAL
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PRINCIPAL CONTRACTOR

APPROVED	AH	DATE	21.06.18
CHECKED	AH	DATE	
DESIGNED BY	MH		
DRAWN BY	JK		
CAD FILE	C:\Users\william.baker\Documents\6617 - West Basin Structural_WBaker.rvt		
SCALE	As indicated	SHEET No.	

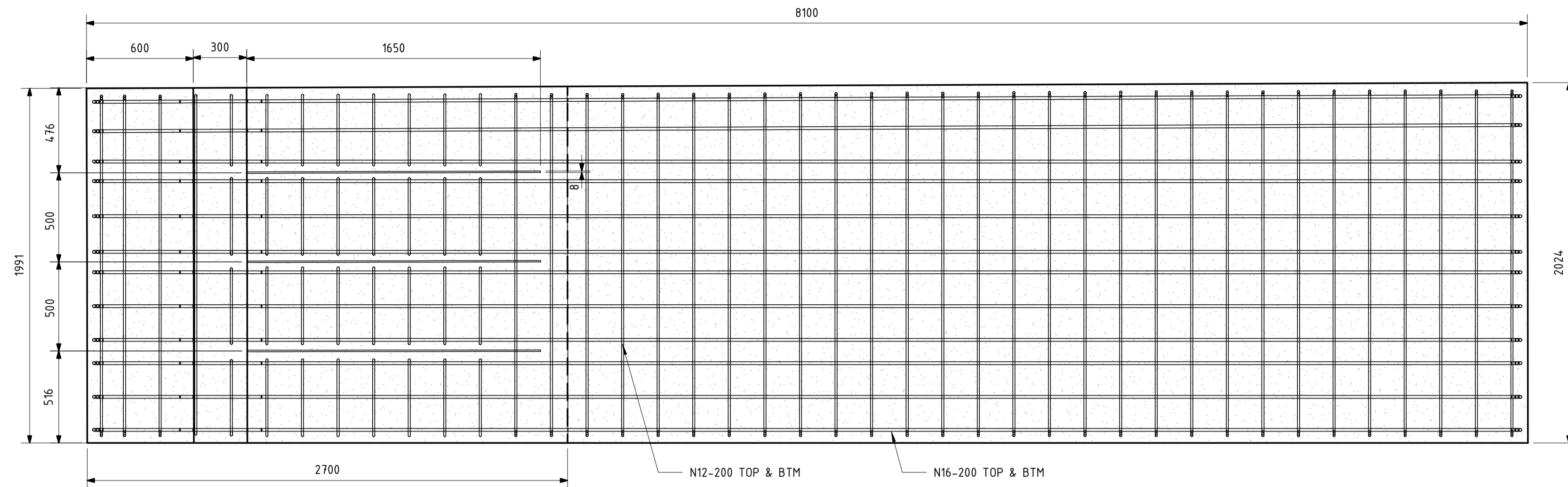
PROJECT

WEST BASIN RE-DEVELOPMENT POINT PARK PHASE 2

DRAWING TITLE

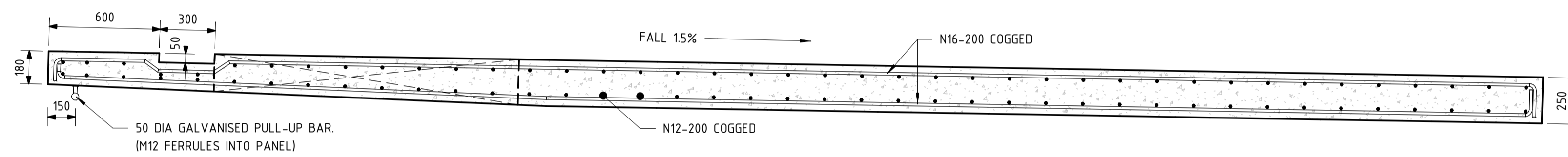
PROMENADE CONNECTION DETAILS - SHEET 3

PROJECT No.	DRAWING No.	AMT
6617 - 01	C625	5



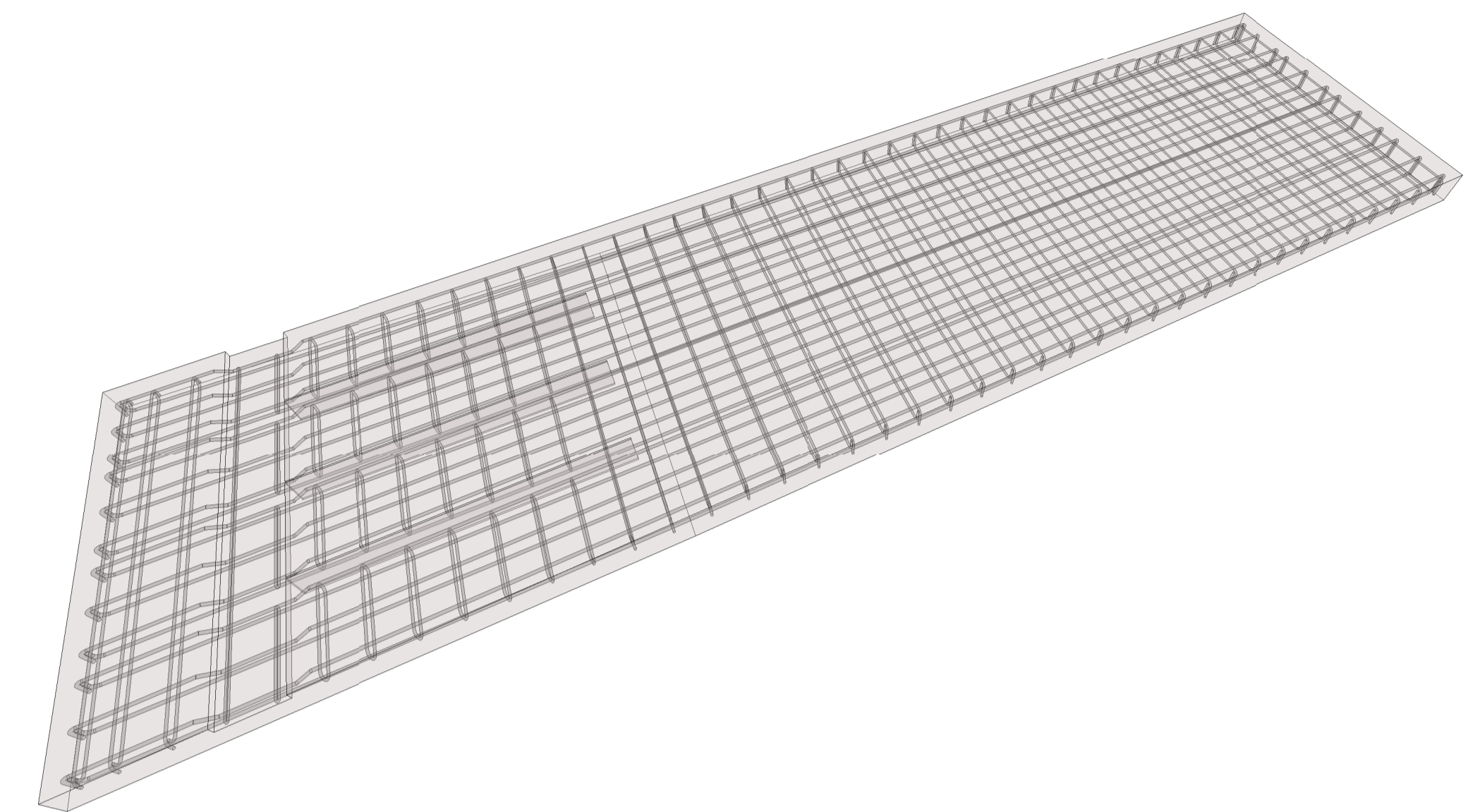
PANEL REINFORCEMENT - TYPE ONE - PLAN

SCALE 1 : 20 @ A1



PANEL REINFORCEMENT - TYPE ONE - SECTION

SCALE 1 : 20 @ A1



3D PERSPECTIVE - TYPE ONE PANEL REINFORCEMENT

SCALE @ A1

LEGEND	
P1-**	DENOTES PIER UNDER - REFER SCHEDULE FOR SIZE & TYPE
PCB1	DENOTES PRECAST CAPPING BEAM - REFER DETAILS
PCBJ	DENOTES PRECAST CAPPING BEAM JOINT - REFER TO DETAILS
CH*****	DENOTES CHAINAGE - REFER CIVIL DOCUMENTATION
SWP*	DENOTES SWIM PONTOON - REFER TO DETAILS
SHW1	DENOTES SHEETPILE WALL UNDER - REFER TO DETAILS FOR TYPE
PT1-4	DENOTES PANEL TYPE - REFER TO CIVIL DOCUMENTATION AND C627 & C628 FOR DETAILS

PRECAST PANEL TYPE

NOTE:
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LIGHT POLE LOCATIONS & CONDUIT REQUIREMENTS.
ALL SETOUTS OF PRECAST PANELS TO CIVIL DRAWINGS

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	PRINCIPAL
5	ISSUED FOR TENDER	AH	04.02.20	JK	
4	ISSUED FOR APPROVAL	AH	10.10.18	JK	
3	ISSUED FOR COSTING/PRICING	AH	04/09/18	JK	
2	ISSUED FOR COSTING/PRICING	AH	02/08/18	JK	
1	ISSUED FOR INFORMATION	AH	26/07/18	JK	



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CONSULT AUSTRALIA
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AS/NZS ISO 9001 Certified
Davis Langdon Certification Services

PRINCIPAL CONTRACTOR

chincivil
PTY LTD

APPROVED	AH	DATE	21.06.18
CHECKED	AH	DATE	
DESIGNED BY	MH		
DRAWN BY	JK		
CAD FILE	C:\Users\william.baker\Documents\6617 - West Basin Structural_WBaker.rvt		
SCALE	As indicated	SHEET No.	

PROJECT

**WEST BASIN
RE-DEVELOPMENT
POINT PARK PHASE 2**

DRAWING TITLE		
TYPICAL PANEL REINFORCEMENT PANEL TYPE 1		
PROJECT No.	DRAWING No.	AMDT
6617 - 01	C627	5

DISCIPLINE	DRAWING NO.	ISSUE	DATE REC.	JRA ELECTRONIC FILE NAME
ARCH				G:\R1676\ELEC\E171676-1_A.DWG

WEST BASIN REDEVELOPMENT - POINT PARK PHASE 2

ELECTRICAL SERVICES



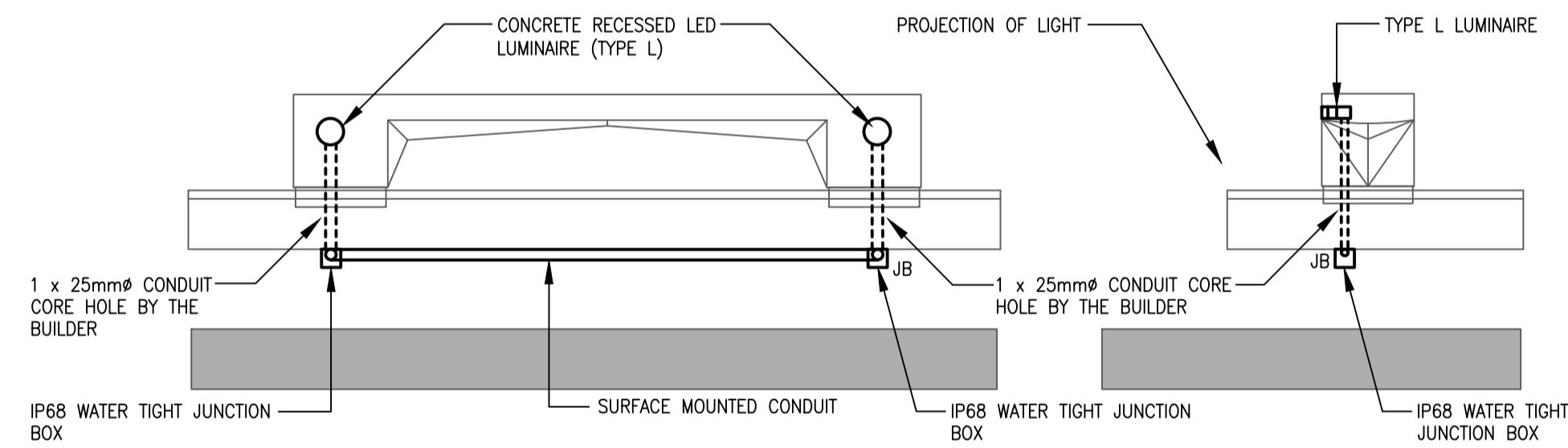
LOCATION PLAN

LEGEND

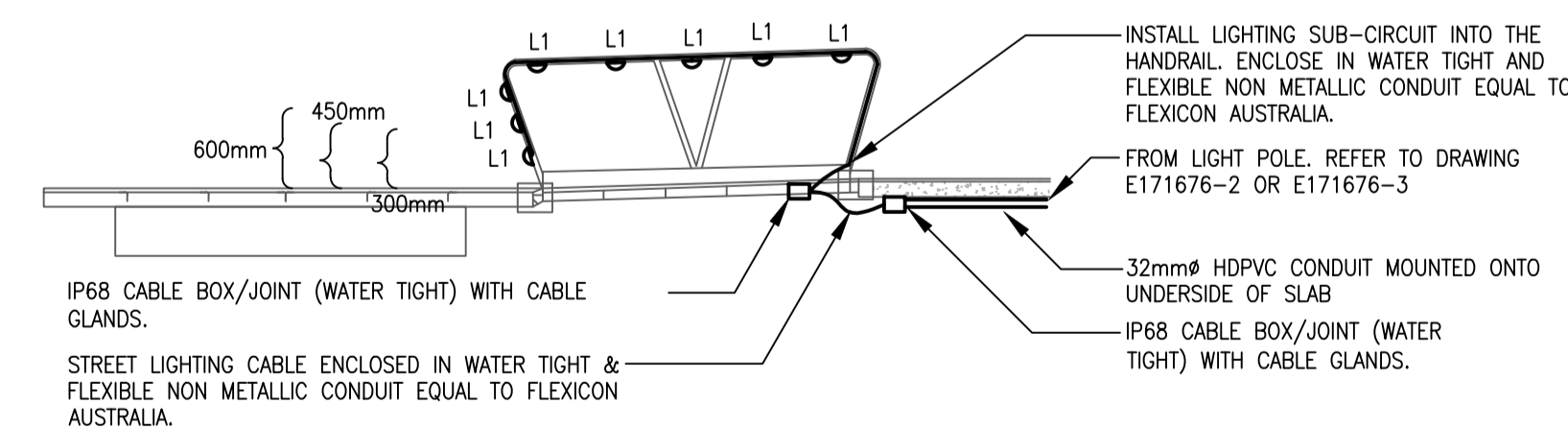
- TYPE P1 LUMINAIRE - 72 WATT TOP MOUNTED LED LUMINAIRE WITH 7 PIN NEMA BASE, P.E.CELL COMPLETED WITH DALI BALLAST (ADJUSTABLE DRIVER - 700 mA), 4000 K, SIDE ENTRY POLE BRACKET, S60 LENS MOUNTED ON 6m HIGH TAPERED ROUND POLES EQUAL TO WE-EF VLS40 SERIES. PROVIDE LUMINAIRE MOUNTING ACCESSORIES (POLE BRACKET) EQUAL TO WEEP RE1-540 (111-0042).
- TYPE L1 LUMINAIRE - 2.25 WATT INDIVIDUAL LED LUMINAIRE, ASYMMETRICAL DISTRIBUTION, IP67, 3000 K, STAINLESS STEEL FINISH, 90 DEGREES ASYMMETRICAL BEAM ANGLE, IP67 LED DRIVER 700 MA ADJUSTABLE MOUNTED ON 50 mm DIAMETER ROUND HANDRAIL EQUAL TO JSB LIGHTING HLS VERTICAL ASYMMETRIC BEAM CURVE FACE
- TYPE L LUMINAIRE - 8 WATT CONCRETE RECESSED LED LUMINAIRE, IP 68, 3000 K, WALL WASH DISTRIBUTION 120 DEGREES, STAINLESS STEEL FINISH, ELECTRONIC LED DRIVER IP 67 EQUAL TO DIGILIN TAPAN FLARE. CONCRETE CORE HOLE AND CUT OUT TO BE PROVIDED BY THE BUILDER. PROVIDE 1 LED DRIVER PER 4 LUMINAIRES. INSTALL THE LED DRIVER IN THE STREET LIGHT POLE "TYPE P1". PROVIDE 30 mA RCD TO A CIRCUIT BREAKER FOR EACH CIRCUIT. MOUNT TAPAN FLARE AT 220 mm AFFL FROM CENTRE AND PROVIDE CONCRETE MOUNTING ACCESSORIES AS REQUIRED.
- NEW STREET LIGHT UNDERGROUND CONDUIT. SIZE AS NOTED.
- EXISTING STREET LIGHT UNDERGROUND CONDUIT TO REMAIN.
- NEW ELECTRICAL PLASTIC PIT WITH CLASS B LID (STEEL LID) & CAST IN SITU CONCRETE COLLAR - TYPE 4 (715mm (L) x 410mm (W) x 800mm (D) INCLUDING PIT RISER 1)
- EXISTING ELECTRICAL PIT TO REMAIN
- EXISTING STREET LIGHT CONTROLLER/DISTRIBUTION BOARD
- STREET LIGHT COLUMN IDENTIFICATION NUMBER- STREET LIGHTING SUB-CIRCUIT 1
- WHITE PHASE- STREET LIGHTING SUB-CIRCUIT 1
- STREET LIGHT COLUMN IDENTIFICATION NUMBER- STREET LIGHTING SUB-CIRCUIT 2
- WHITE PHASE- STREET LIGHTING SUB-CIRCUIT 2
- PROJECTOR LIGHT IDENTIFICATION NUMBER- STREET LIGHTING SUB-CIRCUIT 3
- PROJECTOR LIGHT IDENTIFICATION NUMBER- STREET LIGHTING SUB-CIRCUIT 4

NOTES

- THE EXTERNAL LIGHTING AS DOCUMENTED ON THIS DRAWING No. E171676-1 TO E171676-4 COMPLIES WITH THE FOLLOWING STANDARDS:
 - AS/NZS 1158.3.1 LIGHTING FOR ROADS AND PUBLIC SPACES - PEDESTRIAN AREA (CATEGORY P) LIGHTING - PERFORMANCE AND DESIGN REQUIREMENTS.
 - AS/NZS 1158.2 LIGHTING FOR ROADS AND PUBLIC SPACES - COMPUTER PROCEDURES FOR THE CALCULATION OF LIGHT TECHNICAL PARAMETERS FOR CATEGORY V AND CATEGORY P LIGHTING.
 - AS 4282 CONTROL OF THE OBTRUSIVE EFFECTS OF OUTDOOR LIGHTING.
 - THE ACT PLANNING AND LAND AUTHORITY - CRIME PREVENTION THROUGH ENVIRONMENTAL DESIGN GENERAL CODE.
- IN DETERMINING COMPLIANCE WITH THE 1158 SERIES OF THE AUSTRALIAN STANDARDS, CLASSIFICATION OF THE VARIOUS AREA HAS BEEN DEFINED AS FOLLOWS:
 - FOOTPATH - CATEGORY P2 COMPLIANCE
 - PONTOON - CATEGORY P4 COMPLIANCE
- LOCATIONS OF POST TOP LIGHTS AND BOLLARD LIGHTS TO BE COORDINATED ON SITE WITH THE LANDSCAPE PLAN.



TYPE L LED LUMINAIRE MOUNTING DETAILS
N.T.S.



L1 MOUNTING DETAIL - PONTOON (ONE SIDE ONLY)
N.T.S.

NOTES - L1 MOUNTING DETAIL - PONTOON

- INSTALL ONE LED DRIVER WITHIN THE TYPE P1 COLUMN. PROVIDE 30mA 10A RCD MCB IN TYPE P1 COLUMN

ELECTRICAL SERVICES DRAWING REGISTER

E171676-1	LOCATION PLAN, LEGEND, DRAWING REGISTER, NOTES AND DETAILS
E171676-2	PROPOSED EXTERNAL LIGHTING SHEET 1 OF 2
E171676-3	PROPOSED EXTERNAL LIGHTING SHEET 2 OF 2
E171676-4	SINGLE LINE DIAGRAM

Rev	Description	Date
A	FOR TENDER	17-07-18
P4	FOR REVIEW	24-05-18
P3	REVISED DA SUBMISSION	09-11-17
P2	DA SUBMISSION	12-09-17
P1	FOR DA REVIEW	10-08-17
P	FOR DA REVIEW	02-08-17

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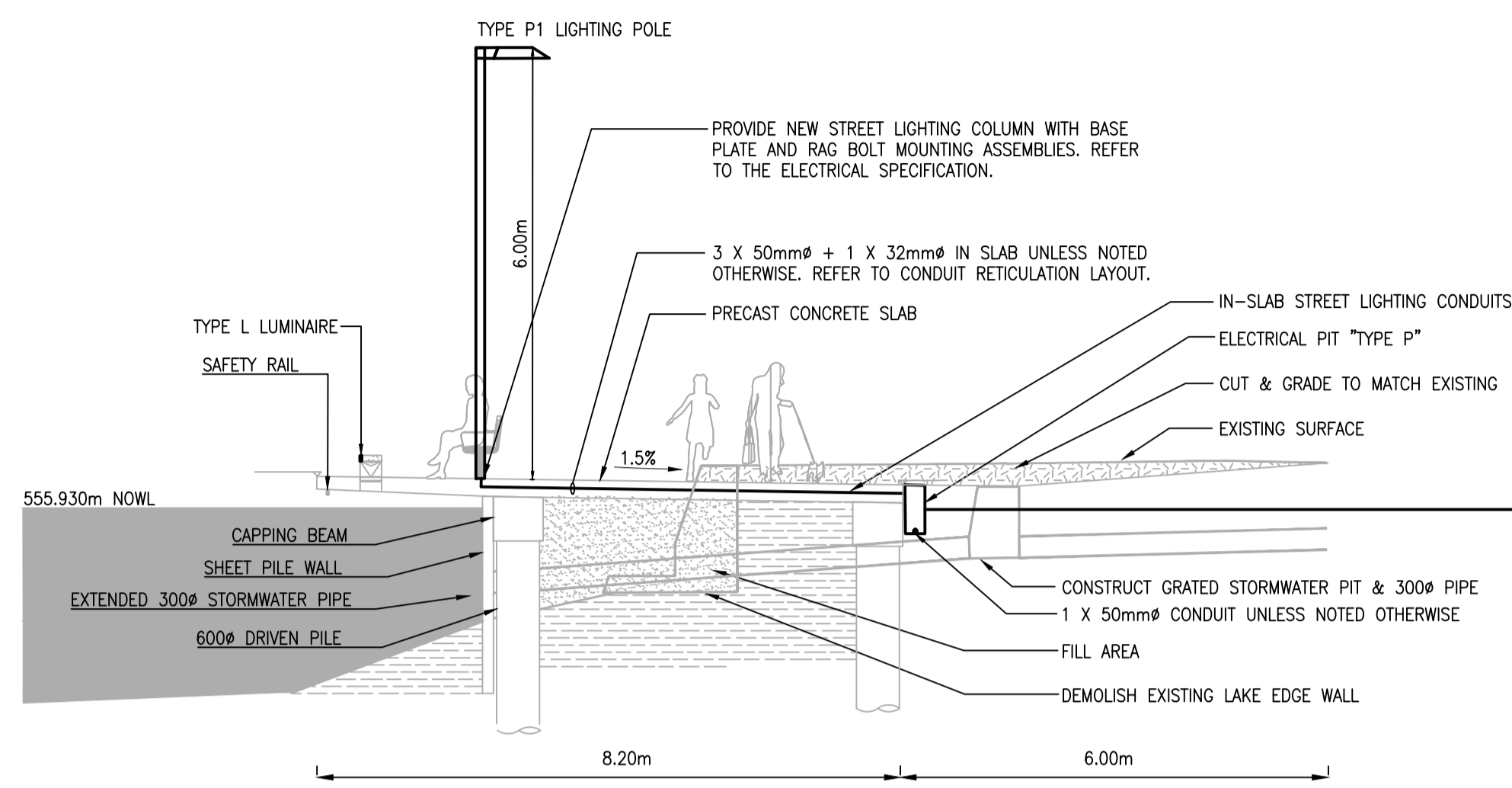
PRINCIPAL CONTRACTOR
chincivil pty ltd
CIVIL ENGINEERING CONTRACTORS

PROJECT
WEST BASIN BOARDWALK STREET LIGHTING PHASE 2

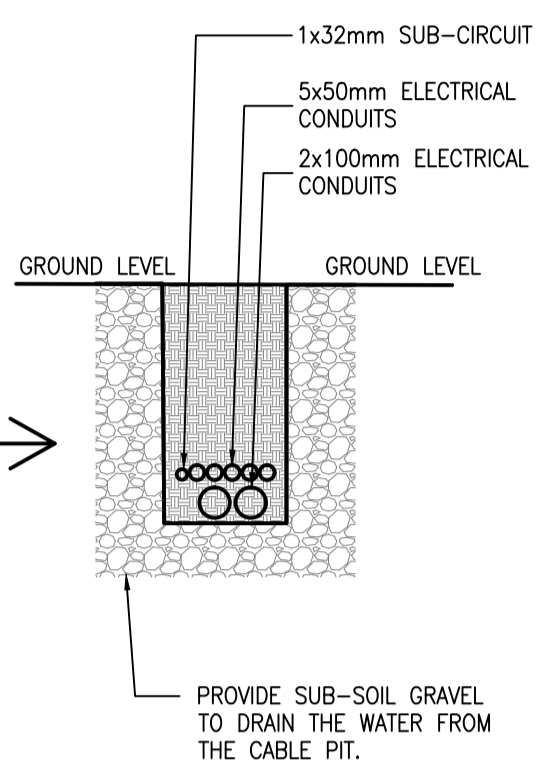
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DATE	AUG 2017	CHECKED	AY
JOB No	JR1676	REVISION	
DRAWING No	JRA DRAWING No E171676-1		A

DISCIPLINE	REFERENCE	JRA ELECTRONIC FILE NAME
ARCH	DRAWING NO. ISSUE DATE REC.	G:\R1676\ELEC\E171676-2_A.DWG

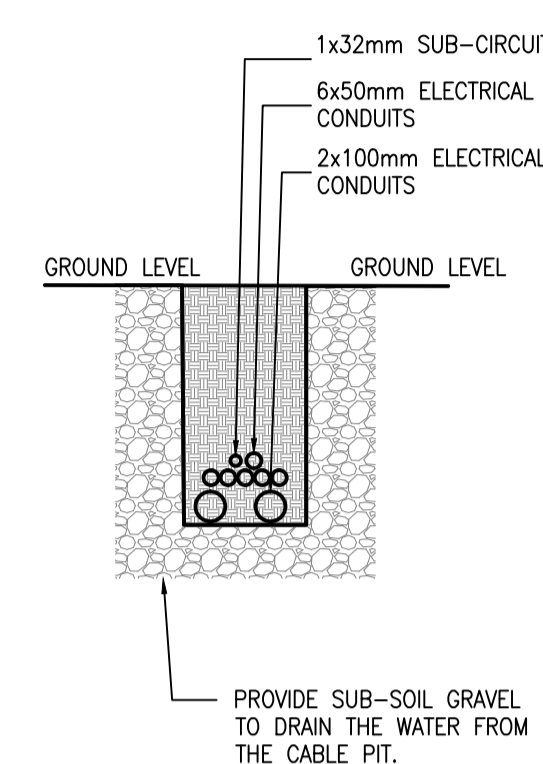
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STREET LIGHTING CONDUIT LAYOUT SECTION VIEW - TYPE P1



SECTION A-A

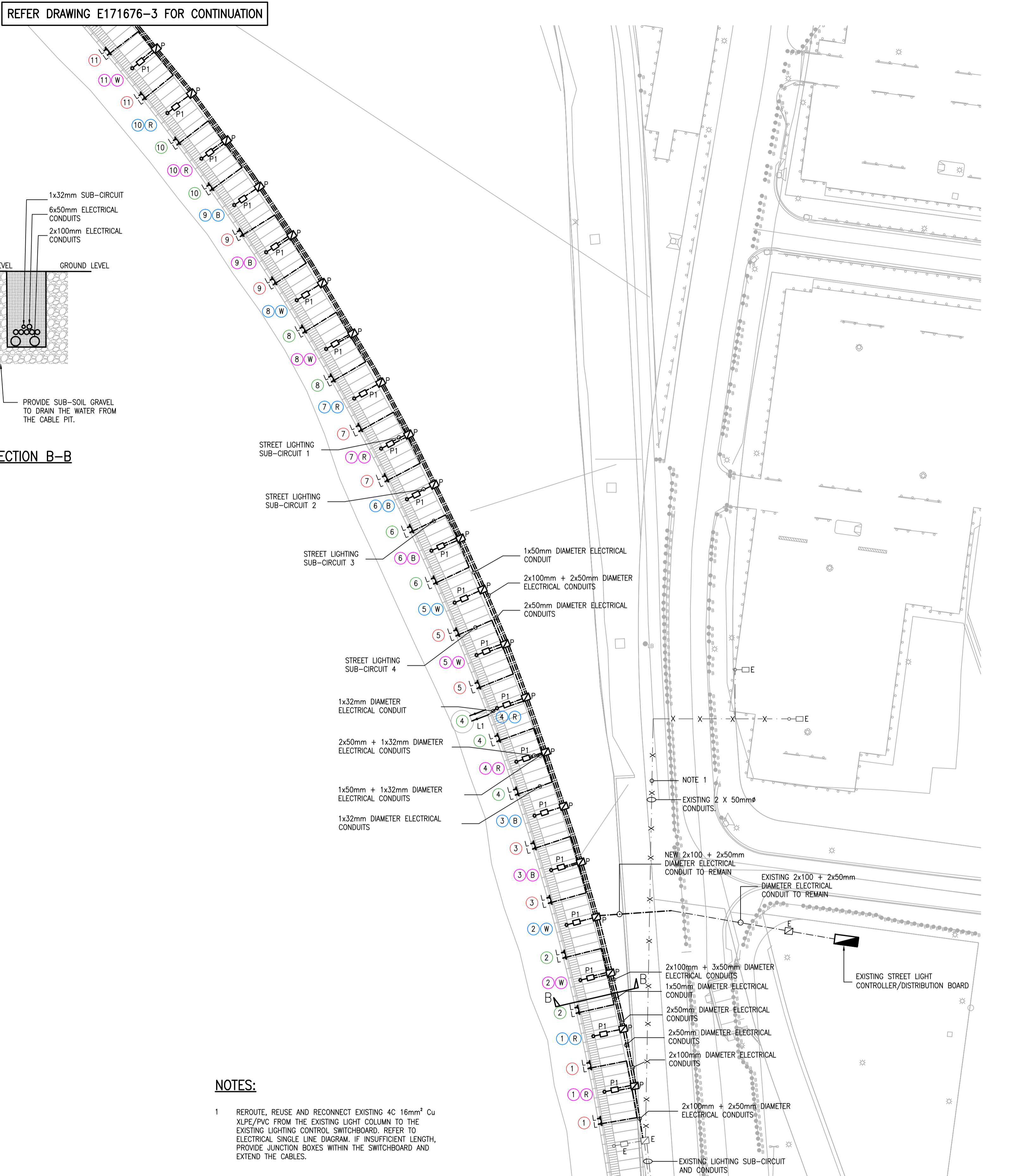


SECTION B-B



SHEET 1 OF 2

LOCATION PLAN



NOTES:

- 1 REROUTE, REUSE AND RECONNECT EXISTING 40 16mm² Cu XLPE/PVC FROM THE EXISTING LIGHT COLUMN TO THE EXISTING LIGHTING CONTROL SWITCHBOARD. REFER TO ELECTRICAL SINGLE LINE DIAGRAM. IF INSUFFICIENT LENGTH, PROVIDE JUNCTION BOXES WITHIN THE SWITCHBOARD AND EXTEND THE CABLES.

A	FOR TENDER	17-07-18
P4	FOR REVIEW	24-05-18
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P	FOR DA REVIEW	02-08-17
Rev	Description	Date

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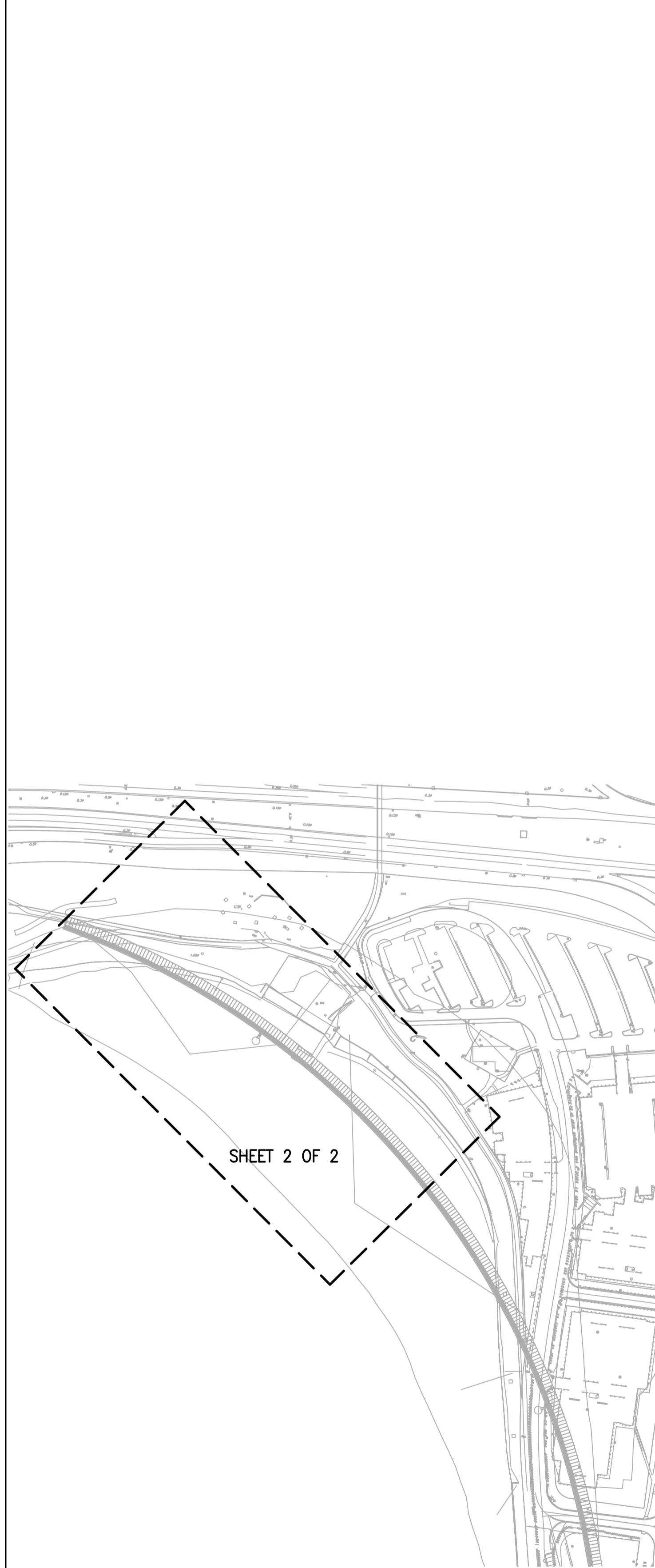
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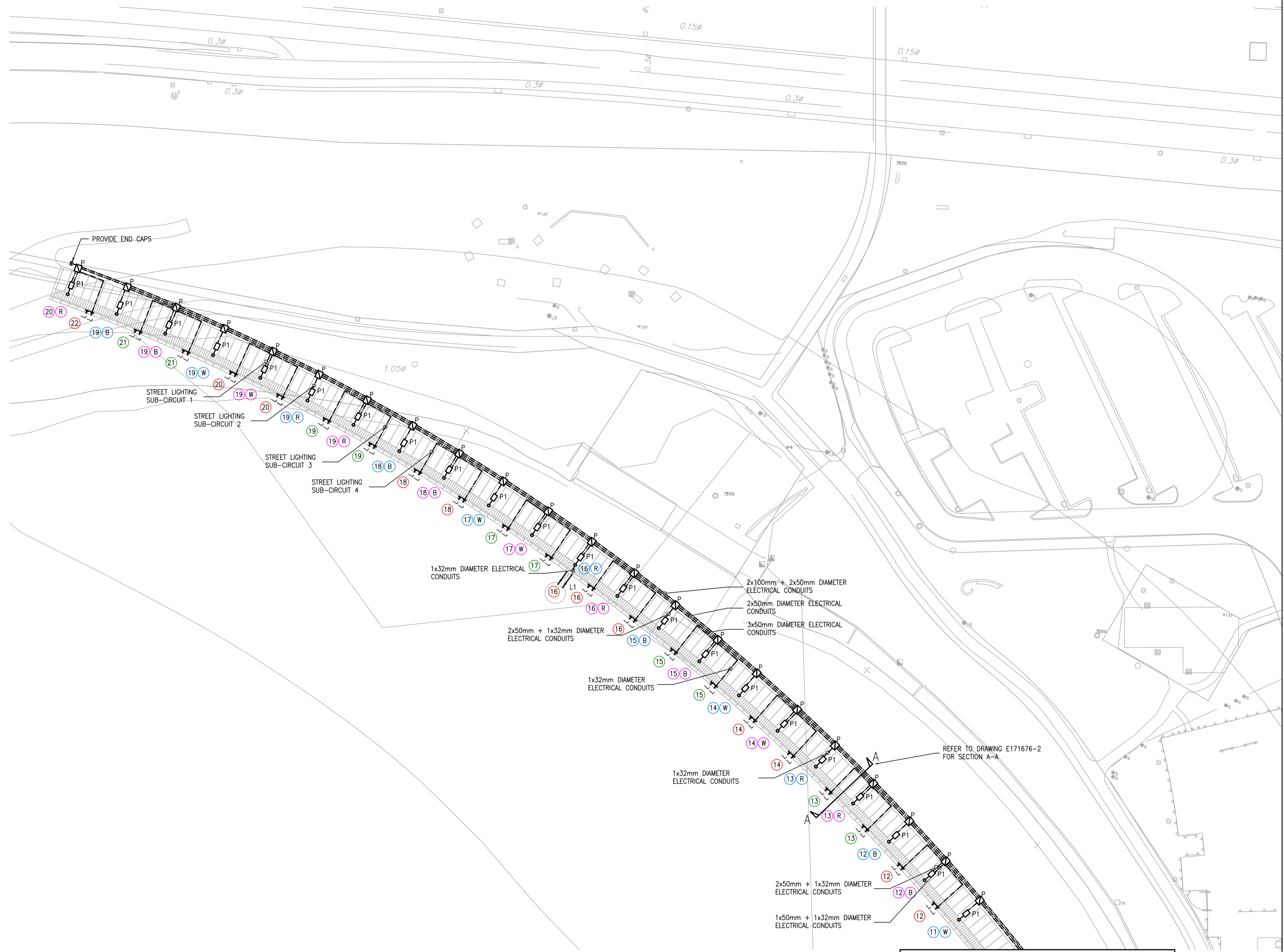
PROJECT
 WEST BASIN BOARDWALK STREET LIGHTING PHASE 2

DRAWING TITLE ELECTRICAL SERVICES PROPOSED EXTERNAL LIGHTING SHEET 1 OF 2			
SCALE	1:500	DESIGNED	AY
		DATE	AUG 2017
DRAWN	AM/BR	CHECKED	AY
		JOB No	JR1676
DRAWING No	JRA DRAWING No	REVISION	
	E171676-2		A

DISCIPLINE	REFERENCE	JRA ELECTRONIC FILE NAME
ARCH	DRAWING No. ISSUE DATE REC.	G:\R1676\ELEC\E171676-3_A.DWG



LOCATION PLAN



A	FOR TENDER	17-07-18
P4	FOR REVIEW	24-05-18
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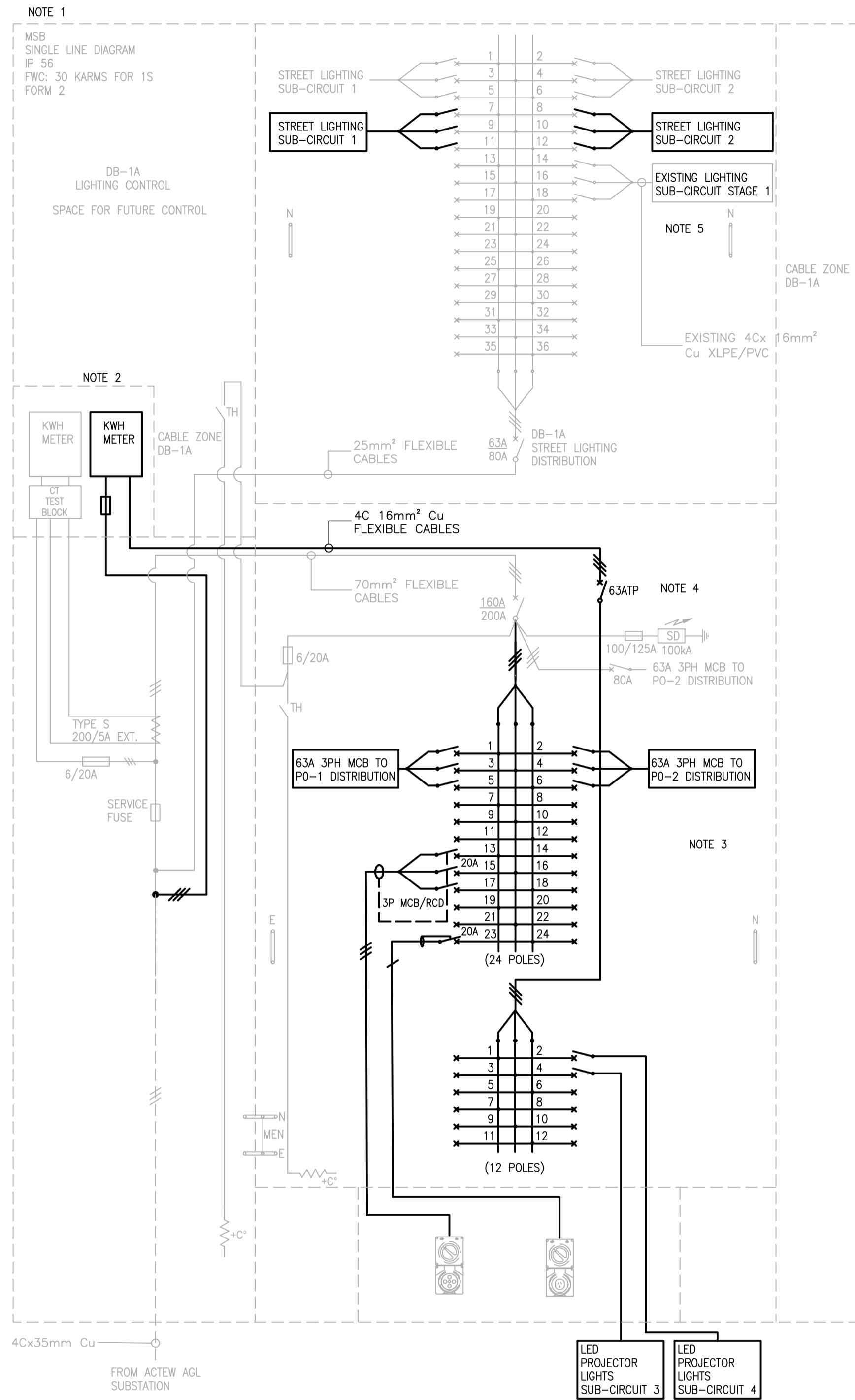
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PRINCIPAL CONTRACTOR

PROJECT
 WEST BASIN BOARDWALK STREET LIGHTING PHASE 2

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		DATE	AUG 2017
DRAWN	AM/BR	CHECKED	AY
		JOB No	JR1676
DRAWING No	JRA DRAWING No	REVISION	
	E171676-3		A

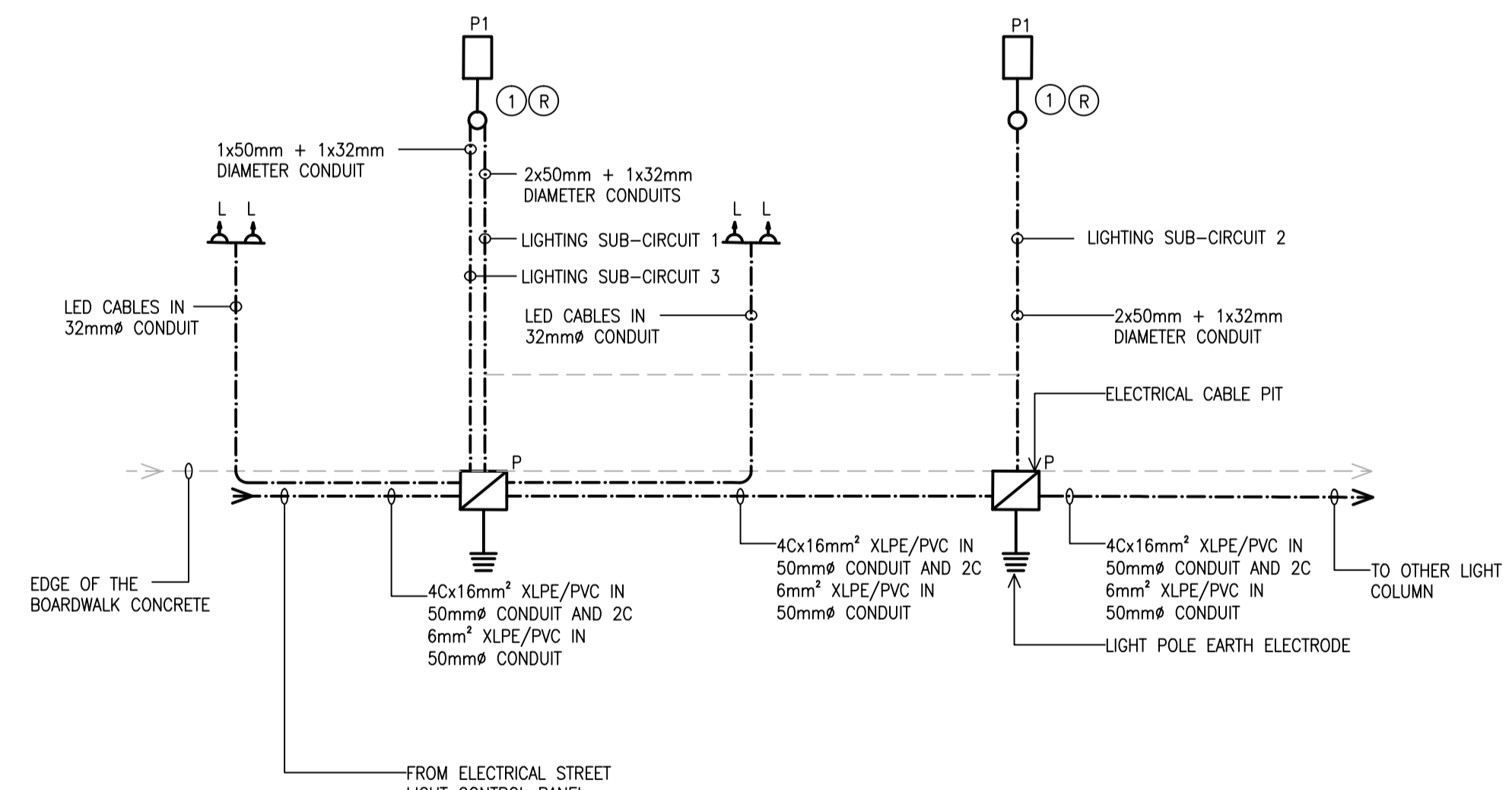
DISCIPLINE	REFERENCE	JRA ELECTRONIC FILE NAME
ARCH	DRAWING No. ISSUE DATE REC.	G:\R1676\ELEC\E171676-4_A.DWG



SINGLE LINE DIAGRAM
N.T.S.

NOTES:

- REFER TO ELECTRICAL SPECIFICATION FOR MORE INFORMATION REGARDING THE EXISTING SWITCHBOARD MODIFICATIONS.
- INSTALL A NEW 3 PHASE DIRECT ENERGY METER AND INSTALL WITHIN THE AVAILABLE SPACE OF ENERGY METER PANEL. SHIFT THE EXISTING METER AS REQUIRED.
- DISCONNECT AND REMOVE EXISTING 60 POLE CHASSIS. REPLACE WITH 1x24 POLE AND 1x12 POLE CHASSIS. FIX THEM INTO THE EXISTING PANEL.
- INSTALL A 63 ATP ISOLATOR MAIN SWITCH FOR THE 12 POLE CHASSIS.
- REROUTE AND RECONNECT EXISTING STAGE 1 4C 16mm² Cu XLPE/PVC SUB-CIRCUIT CABLE TO THE EXISTING LIGHTING CONTROL SWITCHBOARD.



LIGHT POLE - LV CONDUIT AND SUB-CIRCUITS-1 (TYPICAL)
N.T.S.

Rev	Description	Date
A	FOR TENDER	17-07-18

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SCALE	N.T.S.	DESIGNED	AY
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