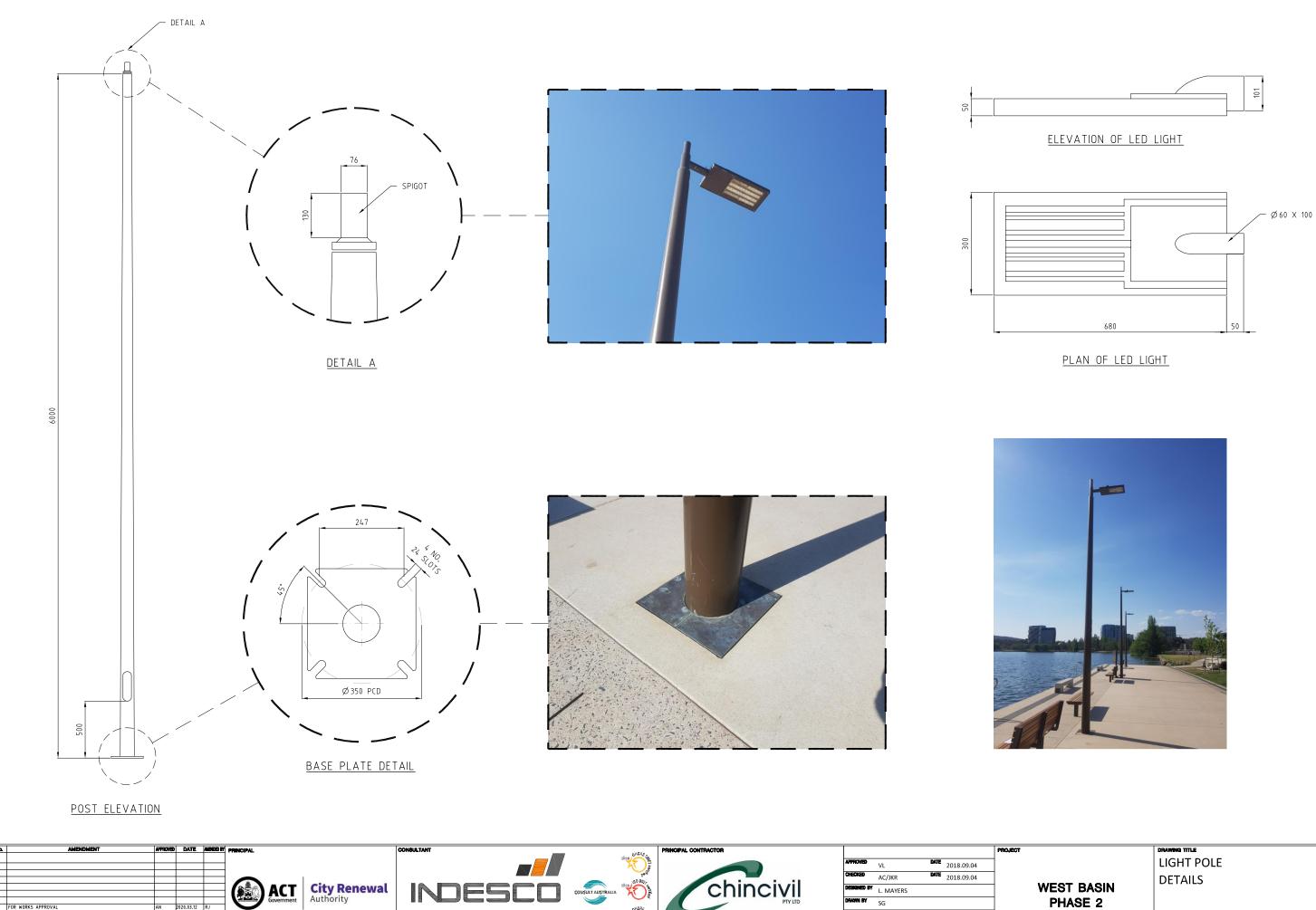


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PROJECT No. 6617-01

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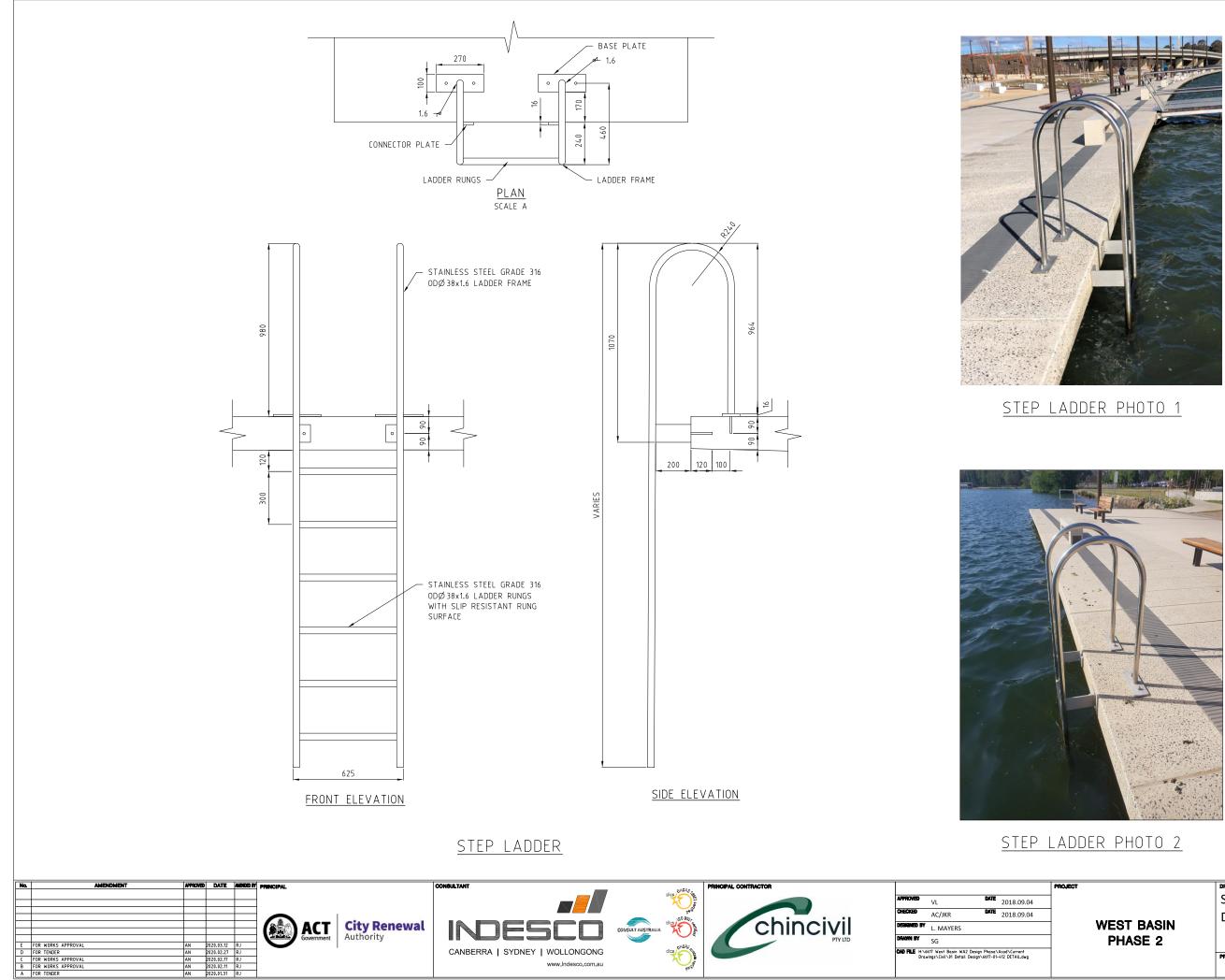
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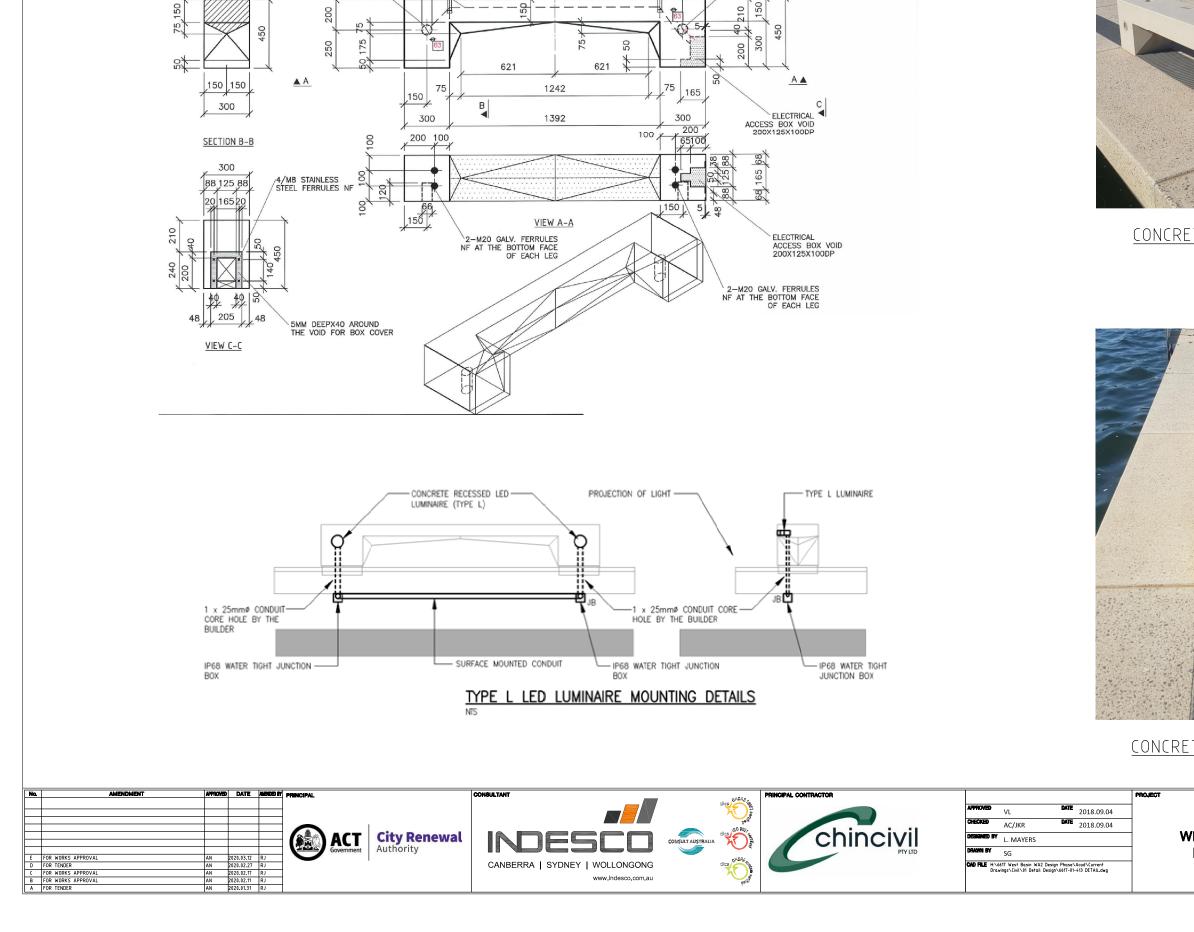
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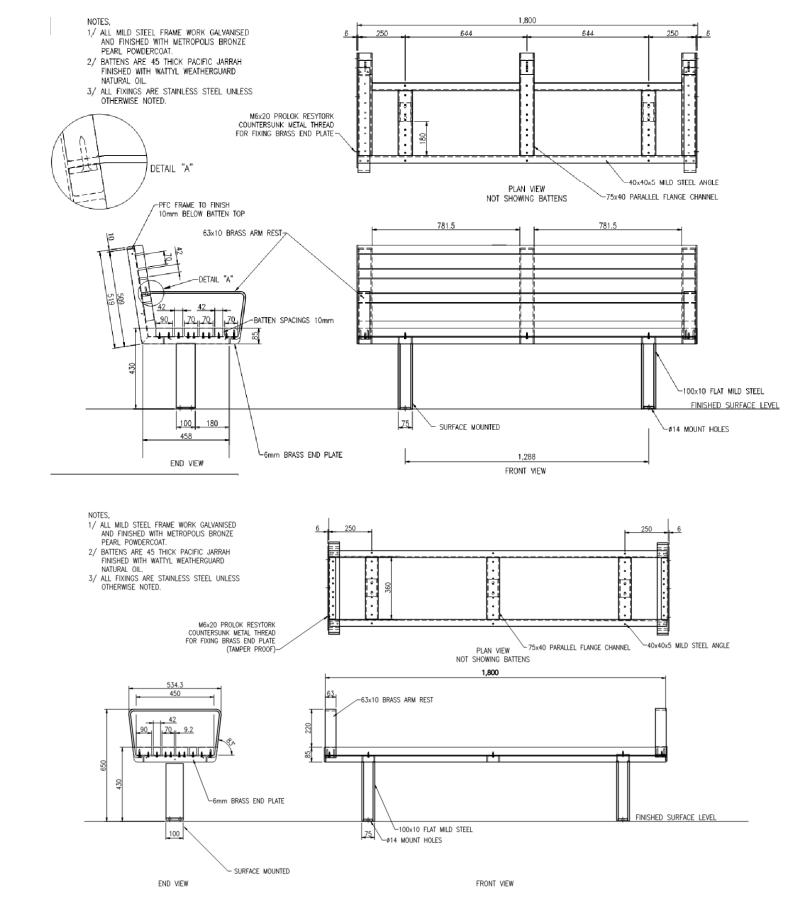


#### CONCRETE BENCH PHOTO 1



#### CONCRETE BENCH PHOTO 2

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No.	AMENDMENT	APPROVED	DATE	AND DED B	PRINCIPAL	CONSULTANT	04840.	PRINCIPAL CONTRACTOR		PROJECT
					ACT City Renewal			chincivil	APPROVED   VL   DATE   2018.09.04     CHECKED   AC/JKR   DATE   2018.09.04     DESIGNED DY   L. MAYERS	- - -
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SEATING

GRAVEL FINISH LAYER TO FUTURE DETAIL

ASPHALT

CONCRETE PAVING

PRECAST CONCRETE BOARDWALK

EXISTING CYCLE PATH

GRASS

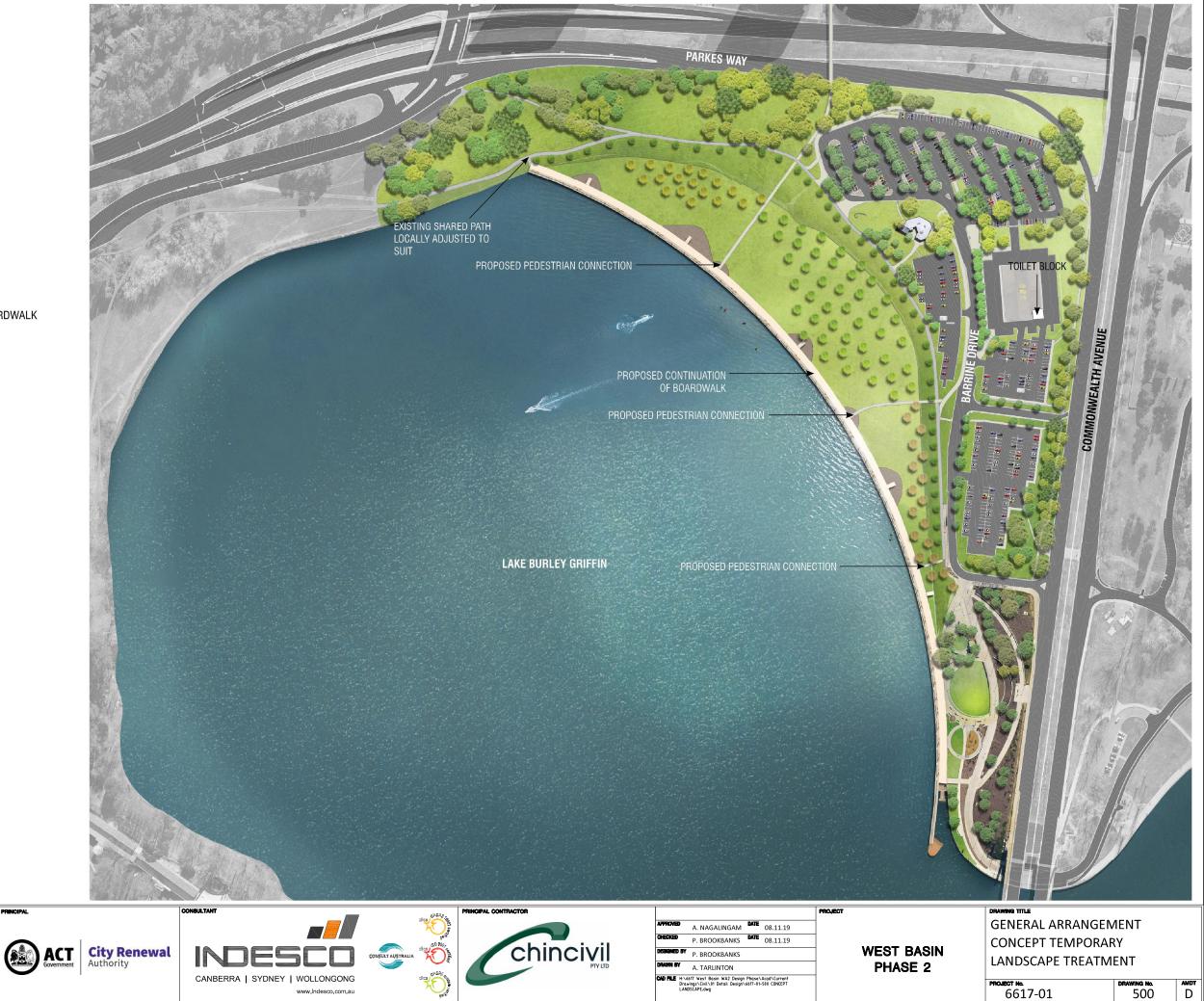
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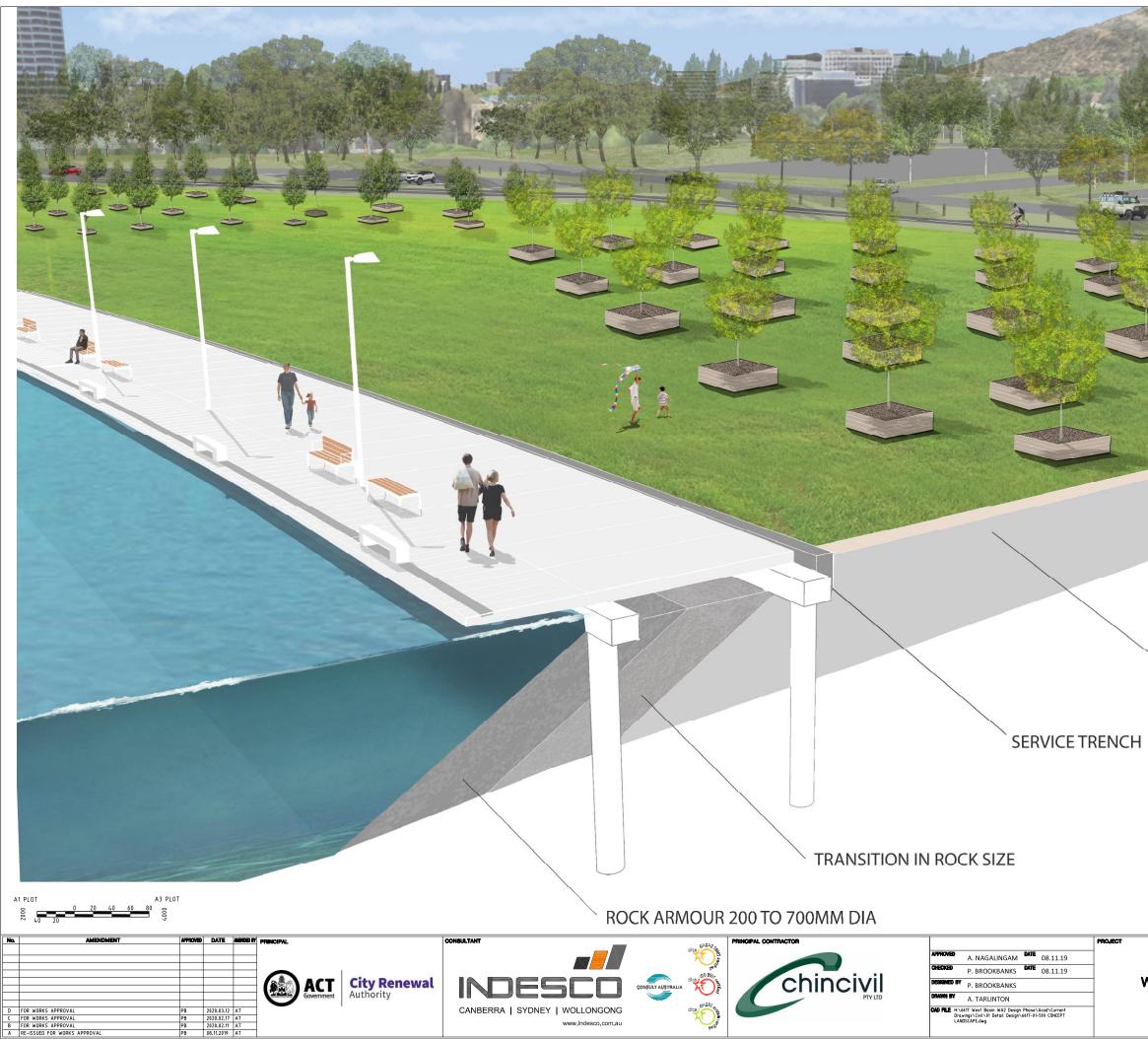
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#### GENERAL

1. THESE DRAWINGS ARE FOR STRUCTURAL PURPOSES ONLY AND ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION, CIVIL DRAWINGS, OTHER CONSULTANTS DOCUMENTATION, CONTRACT DOCUMENTATION AND THE REQUIREMENTS OF THE RELEVANT AUTHORITIES.

2. SET OUT DIMENSION TO BE TAKEN FROM CIVIL DRAWINGS. STRUCTURAL DRAWINGS ARE NOT TO BE SCALED OFF. FIGURED DIMENSIONS ONLY ARE TO BE USED FOR SET OUTS.

3. SHOULD ANY AMBIGUITY, ERROR, OMISSION, DISCREPANCY, INCONSISTENCY OR OTHER FAULT EXIST OR SEEM TO EXIST IN THE CONTRACT DOCUMENTS, IMMEDIATELY NOTIFY IN WRITING TO THE PRINCIPAL'S AUTHORISED PERSON.

4. DURING CONSTRUCTION STRUCTURES SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERLOADED. TEMPORARY SUPPORTS SHALL BE PROVIDED BY THE CONTRACTOR IN ORDER TO KEEP THE WORKS AND ANY EXCAVATIONS STABLE AT ALL TIMES.

5. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF CURRENT SAA CODES AND THE BYLAWS, ORDINANCES OR OTHER REQUIREMENTS OF THE RELEVANT AUTHORITIES.

6. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH ALL WORK COVER REQUIREMENTS AND OCCUPATIONAL HEALTH AND SAFETY ACT REGULATIONS.

7. THE CONTRACTOR SHALL GIVE AT LEAST 48 HOURS NOTICE OF ANY INSPECTIONS OF STRUCTURAL WORK, IN ACCORDANCE WITH HOLD POINTS/SCHEDULES.

## CONCRETE

EXPOSURE CLASSIFICATION

#### CONCRETE

1. PLACE CONCRETE OF THE FOLLOWING CHARACTERISTIC COMPRESSIVE STRENGTH F'C AS DEFINED IN AS 1379

ELEMENT	AS 1379 F'C MPA AT 28 DAYS	SPECIFIED SLUMP	NOM AGG. SIZE
PIERS	N32	80	20
CAPPING BEAM	N40	80	20
PRECAST PANELS	N40	80	20
-	-	-	-
-	-	-	-
-	-	_	-
-	-	-	-

2. USE TYPE 'GP' CEMENT, UNLESS OTHERWISE SPECIFIED.

3. ALL CONCRETE SHALL BE SUBJECT TO PROJECT ASSESSMENT AND TESTING TO AS 1379.

4. IT IS THE RESPONSIBILITY OF THE CONCRETE SUPPLIER TO ENSURE CONCRETE STRENGTHS ACHIEVE A MINIMUM COMPRESSIVE STRENGTH F'C AS DEFINED ABOVE.

5. ALL FALLS IN SLABS, DRIP GROVES, REGLETS, CHAMFERS ETC, REFER TO CIVIL DRAWINGS AND SPECIFICATIONS.

6. CONSTRUCTION JOINTS ARE ONLY PERMITTED WHERE SHOWN ON DRAWINGS WITHOUT PRIOR APPROVAL FROM ENGINEER.

7. NO HOLES OR CHASES SHALL BE MADE IN THE SLAB WITHOUT THE APPROVAL OF THE ENGINEER.

#### 8. CONDUITS AND PIPES ARE TO BE FIXED TO THE UNDERSIDE OF THE TOP REINFORCEMENT LAYER AND AT NO TIMES BE FIXED TO POST TENSION DUCTS OR STRANDS OR RUN PARALLEL OVER OR UNDER POST TENSION DUCTS OR STRANDS.

9. ALL SLABS CAST ON GROUND REQUIRE SAND BLINDING WITH A CONCRETE UNDERLAY.

10. REINFORCEMENT COVER MUST BE AS PER TABLE BELOW.

ELEMENT	POURED AGAINST GROUND	POURED AGAINST SURFACE FORMS OR PLASTIC SHEETING	TOP CLEAR COVER(mm)
-	-	-	-
SLAB ON GRADE	-	30	35
RETAINING WALLS	65	40	-
BORED PIERS	65	-	-
PRECAST PANELS	40	-	-

11. REINFORCEMENT SHALL GENERALLY COMPLY WITH AS3600 CLAUSE 19.2 REINFORCEMENT IS SHOWN DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION ON STRUCTURAL DRAWINGS. ALL REINFORCING BARS SHALL BE GRADE D500N TO AS4671. ALL WELDED MESH SHALL BE GRADE 500L TO AS4671 AND SHALL BE SUPPLIED IN FLAT SHEETS. REINFORCEMENT SYMBOLS:

N	GRADE 500N	DEFORMED BAR	TO AS4671
R	GRADE 250R	ROUND BAR	TO AS4671
RL	RECT. MESH	GRADE 500L	TO AS4671
SL	SQUARE MESH	GRADE 500L	TO AS4671
ΤM	TRENCH MESH	GRADE 500L	TO AS4671

## STRUCTURAL STEELWORK

2. UNLESS NOTED OTHERWISE, ALL STEEL SHALL CONFORM TO THE FOLLOWING AUSTRALIAN STANDARDS, IN RESPECT OF GRADE AND CONDITIONS OF SUPPLY.

> ROLLED SECTIO WELDED SECTION FLAT BARS AS PLATE/FLOOR HOLLOW SECTI PURLINS/GIRTS

TEST CERTIFICATES CONFIRMING CONFORMANCE ISSUED BY SUPPLIER SHALL BE AVAILABLE FOR INSPECTION.

3. THE CONTRACTOR SHALL PREPARE WORKSHOP (SHOP DETAIL) DRAWINGS AND SHALL SUBMIT 2 COPIES OF EACH DRAWING FOR EXAMINATION OF CONNECTION DETAILS. FABRICATION SHALL NOT COMMENCE UNTIL THE WORKSHOP DRAWINGS HAVE BEEN APPROVED. APPROVAL WILL BE PROVIDED FOR MEMBER SIZES AND CONNECTION STRENGTHS BUT WILL NOT EXTEND TO DIMENSIONS. ALL DIMENSIONS AND SETOUTS SHALL BE OBTAINED FROM CIVIL DRAWINGS, SHOULD VARIATIONS BE NECESSARY TO THE STRUCTURAL DETAILS PROVIDED. THESE SHALL BE REFERRED TO THE ENGINEER FOR APPROVAL BEFORE BEING INCLUDED ON SHOP DETAIL DRAWINGS. SHOP DETAIL DRAWINGS SHALL CLEARLY INDICATE:

4. DIMENSIONS OF ITEMS, IDENTIFICATION, STEEL GRADE LOCATION, TYPE AND SIZE OF WELDS AND BOLTS PROCEDURES NECESSARY FOR SHOP AND SITE ASSEMBLY ORIENTATION OF MEMBERS. CAMBER LOCATION OF TEMPORARY CONNECTIONS AND BRACING SURFACE PREPARATION METHOD AND COATING SYSTEM WELDING AND BOLTING CATEGORIES. SHOP DETAILS SHALL PROVIDE FOR FIXING OR SUPPORT OF ANY BUILDING ELEMENTS SHOWN ON ARCHITECTURAL DRAWINGS. MIN. 48 HRS REQUIRED FOR APPROVAL OF SHOP DRAWINGS.

5. ALL WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS1554.1 ELECTRODES SHALL BE TO AS1553, AS1858, AS2203 OR AS2717 AS APPROPRIATE. WELDS FOR STRUCTURAL CONNECTIONS SHALL BE WELD CATEGORY SP UNLESS NOTED OTHERWISE.

BOLT BOLTING CATEGORY		BOLT TO GRADE AUST. STANDARD	METHOD OF STANDARD INSTALLATION TO AS4100
4.6	4.6/S	1111	SNUG TIGHTENED
8.8	8.8/S	1252	SNUG TIGHTENED

7. UNLESS NOTED OTHERWISE, HOLES SHALL BE 2mm LARGER THAN THE NOMINAL BOLT DIAMETER. WHERE SLOTTED OR OVERSIZE HOLES ARE PERMITTED ON THE STRUCTURAL DRAWINGS, THEY SHALL COMPLY WITH AS4100. HAND FLAME CUTTING OF BOLT HOLES IS NOT PERMITTED.

10. NOT USED

TYPE OF WELD & CATEGORY	EXAMINATION METHOD	EXTENT OF (% OF TOTAL WELD TYPE) LENGTH	
FILLET WELDS	VISUAL INSPECTION	100	
BUTT WELDS, GP	VISUAL INSPECTION	100	
BUTT WELDS, SP	UTT WELDS, SP VISUAL INSPECTION 100		
BUTT WELDS, SP	RADIOGRAPHIC OR ULTRASONIC INSPECTION	100	

ACCORDANCE WITH AS2312 AND AS FOLLOWS:

CLASS 2-1/2 STANDARD IN ACCORDANCE WITH AS 1627.4

AND PAINTED PRIOR TO FABRICATION.

COATED WITH : FILM THICKNESS OF 75 MICRONS AND

ALL PAINT TO BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. MEMBERS BUILT INTO WALLS NOT MARKED GALVANISED TO BE COATED WITH JOTAPRIME TO 75UM NO TOP COAT OR EQUAL.

MOLTEN ZINC TO PRODUCE A ZINC COATING WHICH SOLIDIFIES TO A DRY FILM MASS OF 600 G/M.

THAN THE ORIGINAL PRIMER.

12.6 ALL COMMERCIAL AND HIGH STRENGTH STRUCTURAL BOLTS USED SHALL BE GALVANISED BOLTS U.N.O.

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	PRINCIPAL	CONSULTANT
					ACT Government City Renewal Authority	
					Government Authority	
5	ISSUED FOR TENDER	AH	04.02.20	JK	Government Authonity	
4	ISSUED FOR APPROVAL	AH	10.10.18	JK		CANBERRA SYDNEY
3	ISSUED FOR COSTING/PRICING	AH	04/09/18	JK		Level 1 Equinox 4, 70 Kent Street Suite 401, I
2	ISSUED FOR COSTING/PRICING	AH	02/08/18	JK		Deakin ACT 2600 NSW 2150 Phone: (02) 6285 1022 Fax: 6285 2618 NSW 2150
1	ISSUED FOR INFORMATION	AH	26/07/18	JK		

1. DESIGN CONFORMS TO AS4100. FABRICATION AND ERECTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE PROVISIONS OF AS 4100.

ONS AS3679.1	GRADE 300
IONS AS3679.2	GRADE 300
S3679.1	GRADE 300
PLATE AS3678	GRADE 250
IONS AS 1163	GRADE C350
S	G450 Z350

6. BOLTING CATEGORIES ARE IDENTIFIED ON THE DRAWINGS IN THE FOLLOWING MANNER:

8. UNLESS NOTED OTHERWISE, ALL BOLTS AND WASHERS SHALL BE GALVANISED.

9. FABRICATION TOLERANCES SHALL COMPLY WITH AS4100, SECTION 14 UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.

11. NON-DESTRUCTIVE WELD EXAMINATION SHALL BE AS FOLLOWS.

12. SURFACE TREATMENT AND PAINTING OF STEELWORK TO BE IN

12.1 ALL STEELWORK NOT ENCASED IN CONCRETE OR 'GALVANISED' SHALL HAVE THE SURFACES CLEANED BY ABRASIVE BLAST CLEANING TO

12.2 ALL AREAS INACCESSIBLE AFTER FABRICATION SHALL BE CLEANED

12.3 UNLESS OTHERWISE NOTED ALL STEEL SURFACES SHALL BE

1) LUXAPRIME ZINC PHOSPHATE, OR APPROVED EQUIVALENT, TO A DRY

12.4 WHERE NOTED GALVANISED, STEELWORK SHALL BE CHEMICALLY DESCALED AND CLEANED IN ACCORDANCE WITH AS 1627.5 TO REMOVE ALL RUST, MILL SCALE, OIL, GREASE AND FOREIGN MATTER OF ALL DESCRIPTION LEAVING A UNIFORM SURFACE OF CLEAN METAL OR A TIGHTLY ADHERING COATING OF ZINC OR IRON PHOSPHATE. STEELWORK SHALL THEN BE GALVANISED IN ACCORDANCE WITH AS1650 BY IMMERSING IN A BATH OF

12.5 ALL TRANSPORT AND ERECTION ABRASIONS, SITE WELDS, ETC. ARE TO BE REINSTATED BY THOROUGHLY WIRE BRUSHING ALL AFFECTED AREAS TO ACHIEVE A CLEAN SOUND SUBSTRATE AND PATCH COATED AS FOR PRIMING EXCEPT THAT THE MINIMUM FILM THICKNESS SHALL BE 50% GREATER

13. ERECTION TOLERANCES SHALL COMPLY WITH AS4100 SECTION 15 UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.

14. ALL STEELWORK SHALL BE TEMPORARILY BRACED IN A SECURE MANNER IN ORDER TO STABILISE THE STRUCTURE DURING ERECTION.

15. FOR EACH GROUP OF ANCHOR BOLTS PROVIDE A TEMPLATE WITH SETTING OUT LINES CLEARLY MARKED FOR POSITIONING THE BOLTS WHEN CASTING IN.

16. GALVANISING SHALL BE TO AS4680 (MEMBERS) OR AS1214 (THREADED FASTENERS).

COATING MASS:	AVERAGE	-	600g/m²
(MEMBERS)	MINIMUM		- 550g/m²

17. REMOVE ALL TEMPORARY CLEATS ON COMPLETION AND RESTORE THE SURFACE IN AN APPROVED MANNER.

18. GROUT UNDER ALL BASE PLATES. BEFORE GROUTING SUPPORT BASE PLATES ON STEEL PACKERS OR WEDGES. GROUT UNDER BASE PLATES AND INTO CORED HOLES WITH CONBEXTRA GP NON-SHRINK GROUT OR EQUIVALENT, MINIMUM COMPRESSIVE STRENGTH 32MPa, MIN. THICKNESS 15mm MAX. THICKNESS 40mm.

### PRE STRESSED

- PT1. IT IS THE RESPONSIBILITY OF THE POST TENSION C THE FOLLOWING WORKS PRIOR TO PROCEEDING. - PROVIDE AND SUBMIT ALL SHOP DRAWINGS TO
  - STRUCTURAL ENGINEER FOR APPROVAL. - DESIGN AND DOCUMENT ANTI BURST REINFORCEME - TENDER PROFILES SHALL BE PARABOLIC BETWEEN

(HIGH/LOW) UNLESS NOTED OTHERWISE. - PROVIDE DETAILS OF ALL STRESSING OPERATIONS CALIBRATION CERTIFICATES ON EQUIPMENT USED WI CERTIFICATES BEING NO MORE THAN 1 WEEK OLD BE THIS SITE.

- ENSURE ALL STRESSING OPERATIONS ARE UNDER EXPERIENCED PERSONNEL.

- PT2. ALL PRESTRESSING IS TO BE IN ACCORDANCE WITH EDITION OF AS3600.
- PT3. MINIMUM STRESS BREAKING LOAD SHALL BE: 12.7MM 15.2MM DIA – 250.0KN
- PT4. ALL CABLE PROFILE DIMENSIONS AS SHOWN ARE TO TENDON.
- PT5. TENSION PROFILES GIVEN SHALL TAKE PRECEDENCE REINFORCEMENT AND SERVICE CONDUITS.
- PT6. STRESS LEVEL SHALL BE 85% OF STRAND BREAKIN
- PT7. STRESS LOADS AS FOLLOWS FOR 12.7MM DIA STRA
- PT8. FOLLOWING STRESSING APPROVAL, STRANDS TO BE SEALED WITH AN APPROVED CEMENT MIX SET FLUS SURFACES.



PRINCIPAL CONTRACTOR CONSULT AUSTRALIA Business | Engineering | Design AS/NZS ISO 9001 次 Certified Davis Langdon Certification Services



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SCALE	As indicated	SHEET No.	

#### LEGEND/ABBREVIATIONS

E/W

E/F

E/S

B/S

F/F

T/B

UNO

GEB-

PMJ

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EACH FACE
EACH SIDE
BOTH SIDES
NEAR FACE
FAR FACE
TOP AND BOTTOM
MEMBER UNDER
MEMBER OVER
MEMBER BEYOND
UNLESS NOTED OTHERWISE
EDGE BEAM
INTERNAL BEAM
GARAGE EDGE BEAM
SLAB THICKENING
PERMANANT MOVEMENT JOINT
CONSTRUCTION JOINT
CENTRES
ARTICULATION JOINT
SAW CUT JOINT
KEY JOINT
DOWELLED JOINT
DOWELLED KEY JOINT
NSOP NOT SHOWN ON PLAN
NSOE NOT SHOWN ON ELEVATION
CENTRE LINE
CONTINUOUS FILLET WELD
FULL STRENGTH BUTT WELD
FULL PENETRATION BUTT WELD
LIVE LOAD
SUPERIMPOSED DEAD LOAD
WIDTH/WIDE
HEIGHT/HIGH
DEPTH/DEEP
EQUAL
NOT TO SCALE
NOMINAL
PLATE
MILLIMETRES
POST TENSION
REINFORCEMENT
DRAWINGS
GENERAL ARRANGEMENT
HORIZONTAL
VERTICAL
SLAB PENETRATION
STEEL BEAM
RAFTER BEAM
ROOF BRACING
STRUT
BRIDGING
WALL BRACING
PURLIN
GIRT
FLY BRACE
FLOOR JOIST
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SQUARE HOLLOW SECTION RECTANGULAR HOLLOW SECTION MANUFACTURERS TRUSSES TRIMMER BEAM LINTEL TIMBER POST DOUBLE STUD TRIPLE STUD FASCIA TRUSS PORTAL FRAME TRUSS VERTICAL TRUSS WINDOW HEAD WINDOW HEAD WINDOW SILL STEEL COLUMN AWNING BEAM WALL STRUT WALL BLOCK WALL PRECAST WALL CONCRETE/CORE WALL STAIR/CORE WALL LIFT WALL WALL PARTITION PAD FOOTING STRIP FOOTING CONCRETE COLUMN ANCHOR BORED PIER
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SQUARE HOLLOW SECTION RECTANGULAR HOLLOW SECTION MANUFACTURERS TRUSSES TRIMMER BEAM LINTEL TIMBER POST DOUBLE STUD TRIPLE STUD FASCIA TRUSS PORTAL FRAME TRUSS VERTICAL TRUSS WINDOW HEAD WINDOW SILL STEEL COLUMN AWNING BEAM WALL STRUT WALL BLOCK WALL PRECAST WALL CONCRETE/CORE WALL STAIR/CORE WALL LIFT WALL WALL PARTITION PAD FOOTING STRIP FOOTING CONCRETE COLUMN ANCHOR BORED PIER TYPICAL MAXIMUM

CB-	CAPPING BEAM
SW-	SHOTCRETE WALL
DIA	DIAMETER
SIM	SIMILAR
BH-	BORE HOLE
HW	HIGHLY WEATHERED
EW	EXTREMELY WEATHERED
MW	MODERATELY WEATHERED
NGL	NATURAL GROUND LINE
RL	RELATIVE LEVEL
SSL	STRUCTURAL SLAB LEVEL
R.A.D.	REFER ARCHITECT DETAIL
SL	SQUARE MESH
RL	RECTANGULAR MESH
N/A	NOT APPLICABLE
'T'	TRIMMER BAR
SOG	SLAB ON GROUND
HJ	HORIZONTAL JOINT
٧J	VERTICAL JOINT
DMJ	DUMMY JOINT
L/LG	LONG
D-	DOWELS
FRL	FIRE RATING LEVEL

	LOADING	5 LEGEND	
PILE MARK	PILE (SIZE)	WORKING ULTIMATE	
P1 600 CHS 12.7		900 kN	1200 kN
CANTILEVERED		SDL	LL
BOARDWALK TO SEAT BOARDWALK EXTENSION		0.5KPa	10KPa
		SDL	LL
		0.5KPa	4KPa
HORIZONTAL IMPA	ACT LOAD	10kN	

WEST BASIN -DEVELOPMENT IT PARK PHASE 2

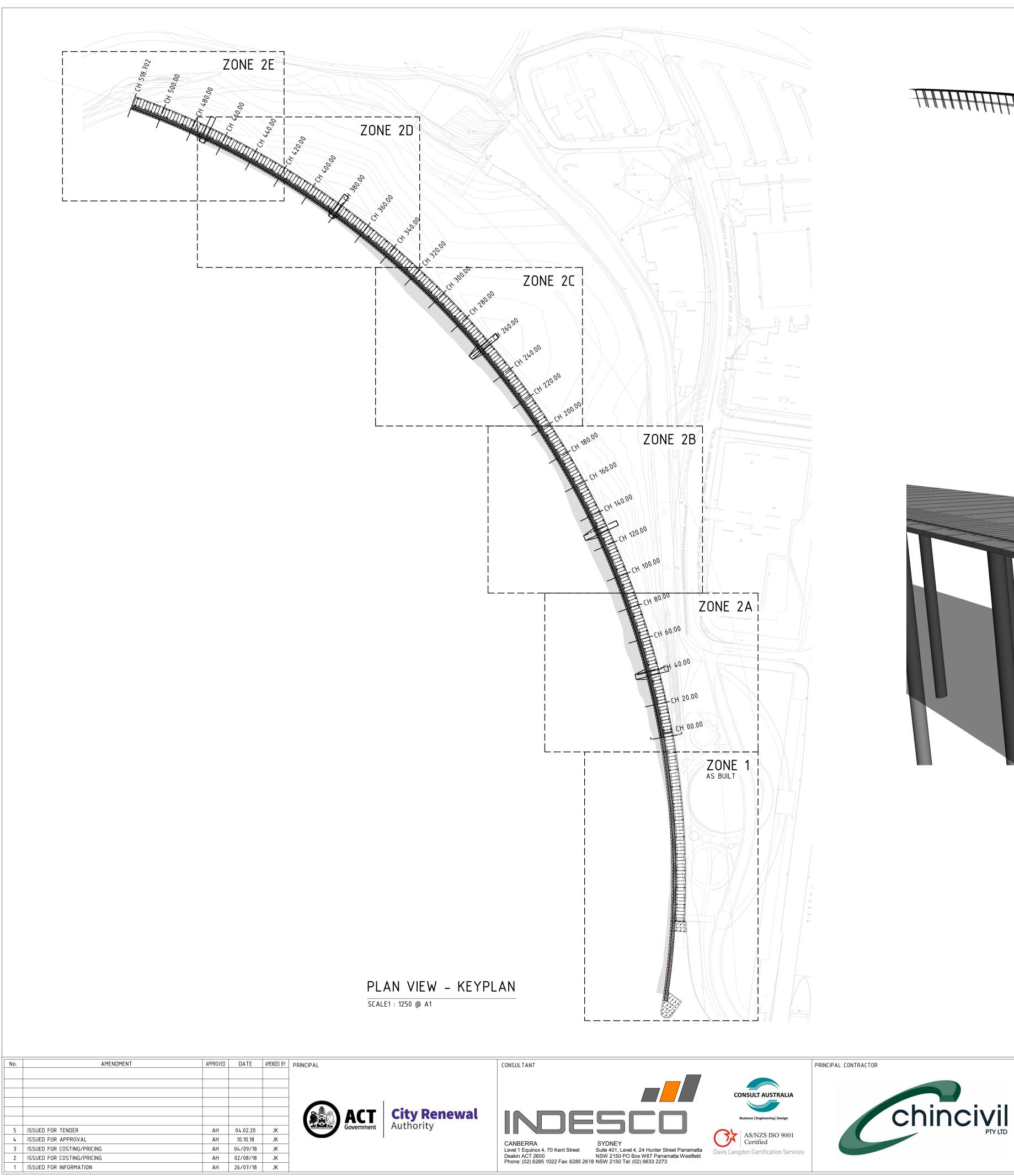
ROJECT No.		
6617	_	01

GENERAL NOTES

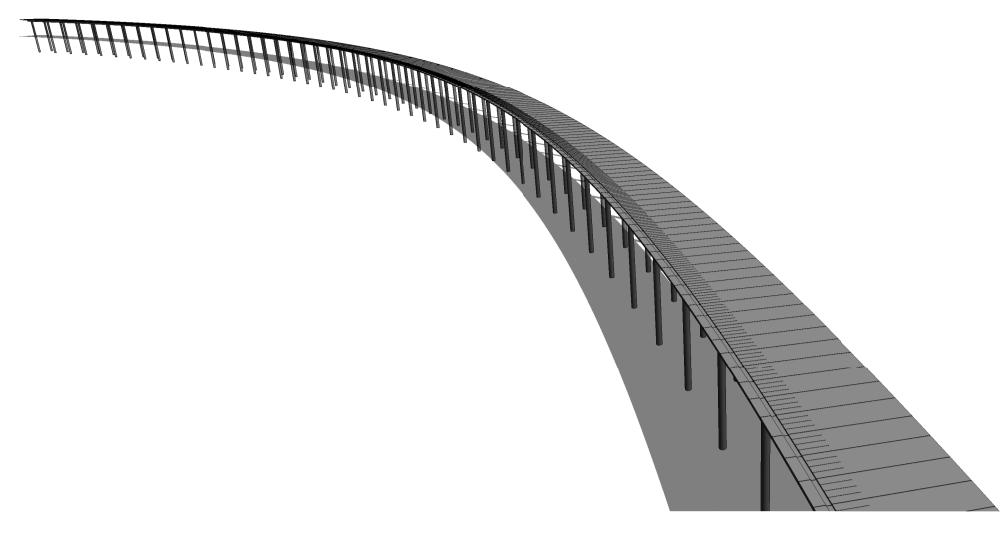
DRAWING TITLE

DRAWING No. C600 AMDT

5



ISSUED FOR INFORMATION



3D PERSECTIVE - VIEW 1 SCALE @ A1



3D PERPSPECTIVE – VIEW 2 SCALE @ A1

 1		
		PROJECT
APPROVED AH	DATE 21.06.18	
CHECKED AH	DATE	RF
DESIGNED BY MH		
DRAWN BY JK		POIN
CAD FILE C:\Users\william.baker\ Structural_W.baker.rvt	Documents\6617 – West Basin	
SCALE As indicated	SHEET No.	

PROJECT No.	
661	7 – 01

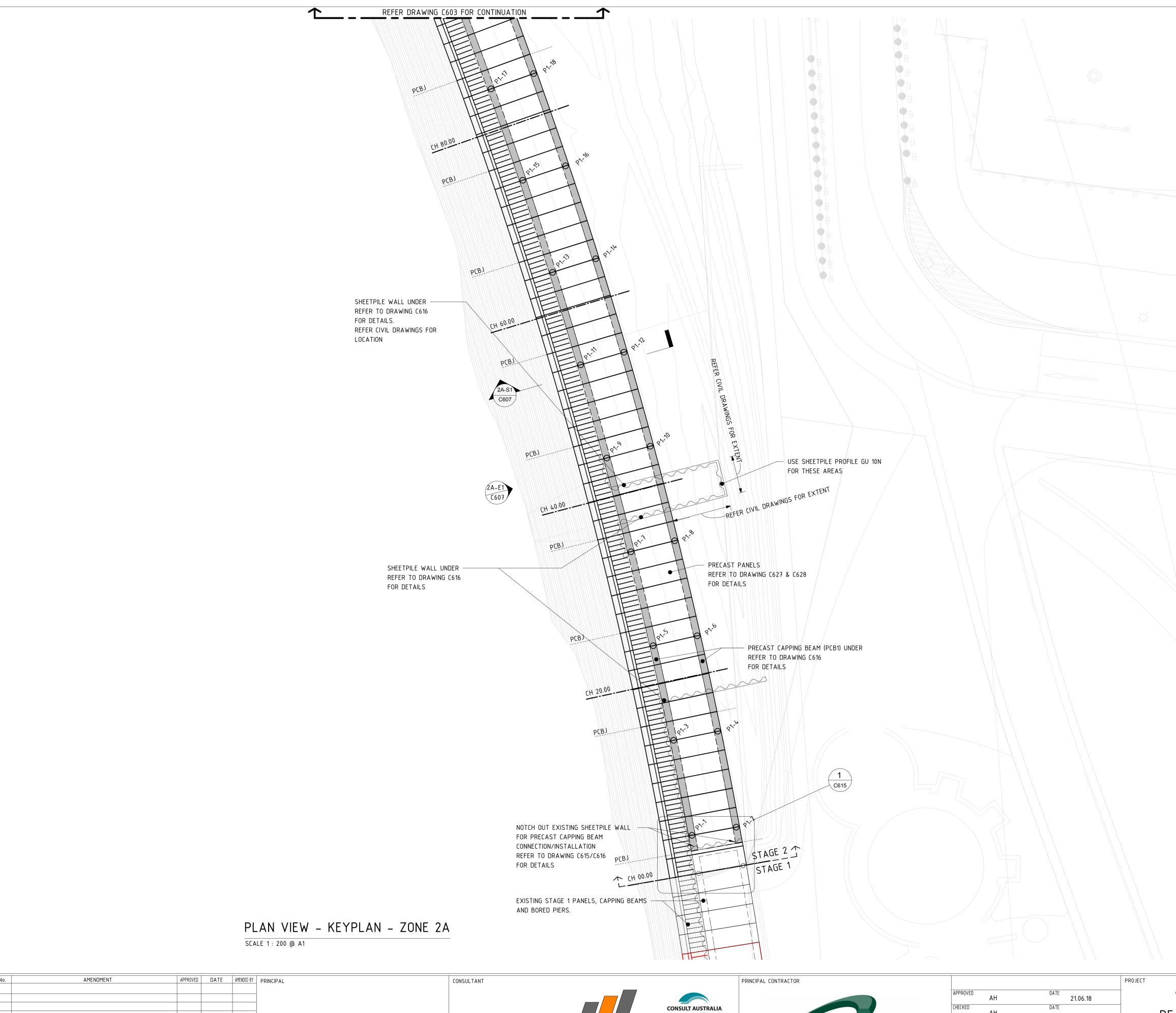
DRAWING No. C601 AMDT 5

### WEST BASIN E-DEVELOPMENT NT PARK PHASE 2

## PROMENADE PLANS - KEYPLAN

DRAWING TITLE

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



No.	AMENDMENT	APPROVED	DATE	AMENDED BY	PRINCIPAL	CONSULTANT
					ACT City Renewal	
5	ISSUED FOR TENDER	AH	04.02.20	JK	Government Authority	
4	ISSUED FOR APPROVAL	AH	10.10.18	JK		CANBERRA SYDNE
3	ISSUED FOR COSTING/PRICING	AH	04/09/18	JK		Level 1 Equinox 4, 70 Kent Street Suite 401,
2	ISSUED FOR COSTING/PRICING	AH	02/08/18	JK		Deakin ACT 2600 NSW 215 Phone: (02) 6285 1022 Fax: 6285 2618 NSW 215
1	ISSUED FOR INFORMATION	AH	26/07/18	JK		1 Hold. (02) 0200 1022 Fax. 0200 2010 HOW 210





				PRUJELI	
APPROVED	АН	DATE	21.06.18		١
CHECKED	AH	DATE			RF-
DESIGNED B	Y MH			ſ	דואוסכ
DRAWN BY	JK			1	POINT
CAD FILE	C:\Users\william.baker\Do Structural_W.baker.rvt	cuments\6617 - West Basir	n		
SCALE	As indicated	SHEET No.			

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

WEST BASIN E-DEVELOPMENT NT PARK PHASE 2

## DRAWING TITLE PROMENADE PLANS – SHEET 1 (ZONE 2A)

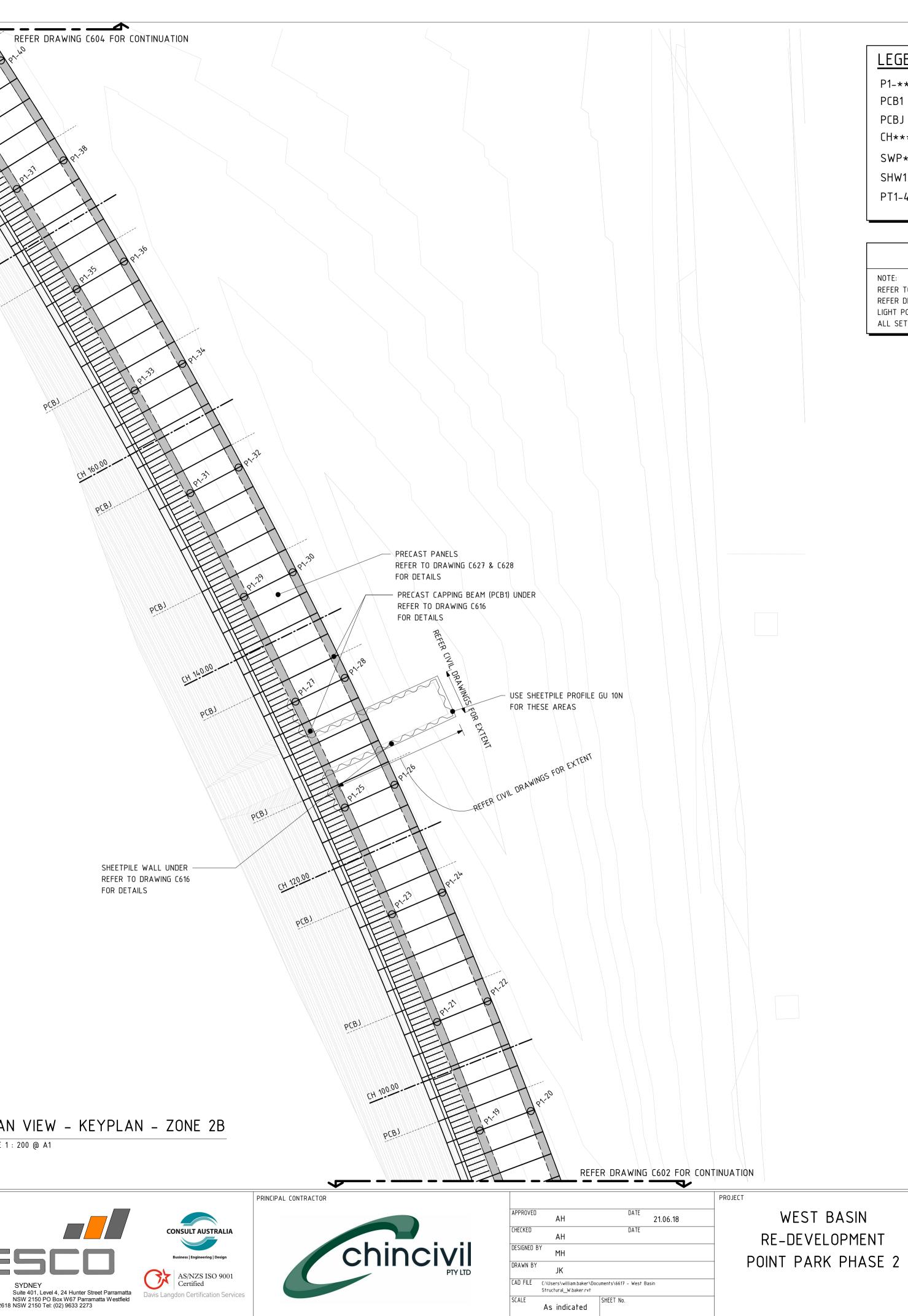
# PROJECT NO. 6617 - 01

drawing No.

AMDT 5

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No.	AMENDMENT	APPROVED	DATE	AMENDED BY	PRINCIPAL		CONSULTANT	
					-			
					-			
						City Donowal		
						City Renewal Authority		
5	ISSUED FOR TENDER	AH	04.02.20	JK	Government	Authority		
4	ISSUED FOR APPROVAL	AH	10.10.18	JK			CANBERRA	SYDNEY
3	ISSUED FOR COSTING/PRICING	AH	04/09/18	JK			-	Stille 401, Lev
2	ISSUED FOR COSTING/PRICING	AH	02/08/18	JK			Deakin ACT 2600 Phone: (02) 6285 1022 Fax: 6285 2618	NSW 2150 PC
1	ISSUED FOR INFORMATION	AH	26/07/18	JK			1 Hollo. (62, 6266 1022 1 dx. 6266 2016	10010



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:

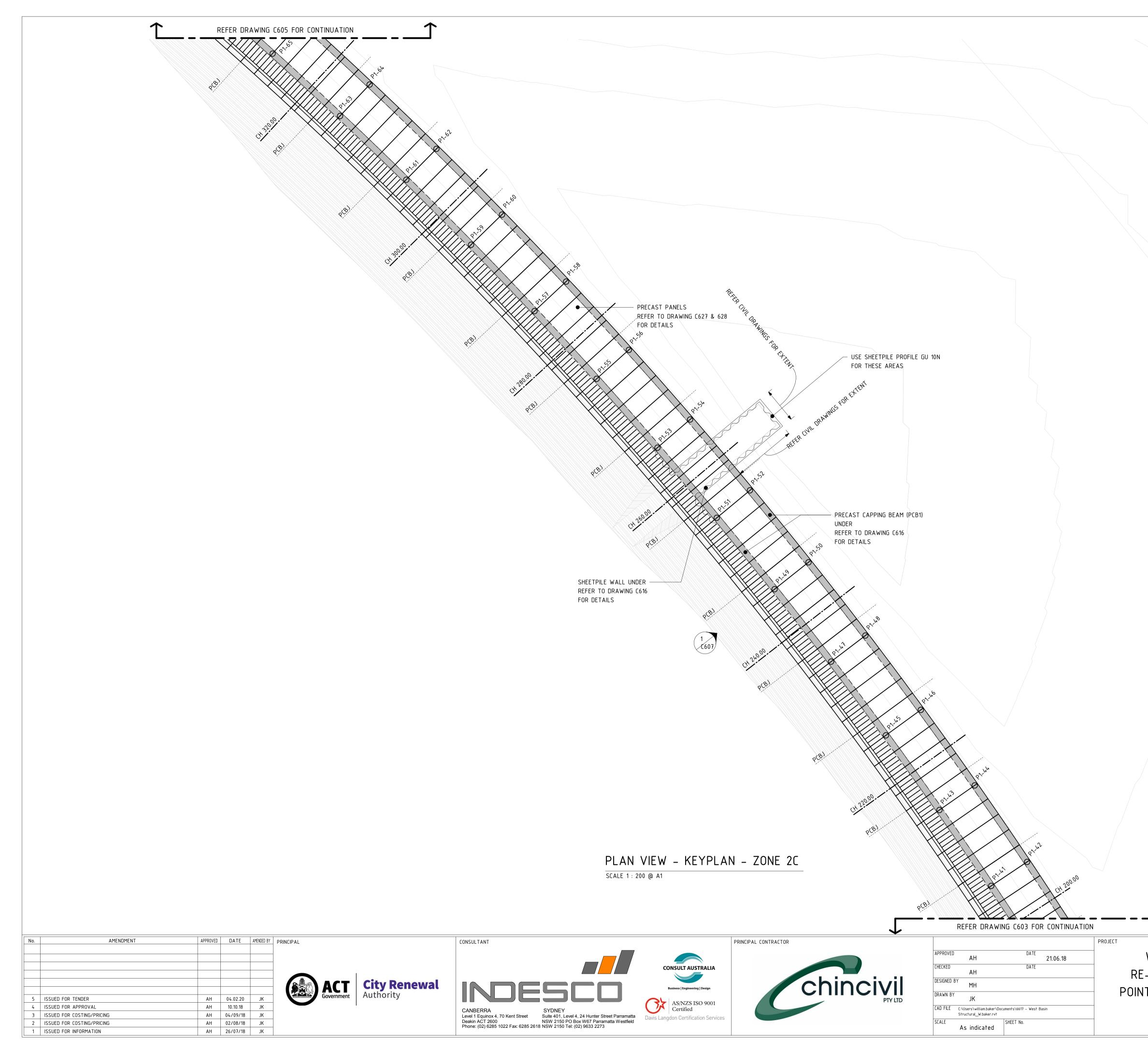
REFER TO CIVIL DRAWINGS FOR PRECAST PANEL TYPE REFER DRAWINGS C627-C630 FOR SIZES, REINFORCEMENT ARRANGEMENTS, LIGHT POLE LOCATIONS & CONDUIT REQUIREMENTS. ALL SETOUTS OF PRECAST PANELS TO CIVIL DRAWINGS

PILE MARK	PILE MARK PILE (SIZE)		ULTIMATE		
P1	600 CHS 12.7	900 kN	1200 kN		
CANTILEVERED		SDL	LL		
BOARDWALK TO S	SEAT	0.5KPa	10KPa		
BOARDWALK EXTENSION		SDL 0.5KPa	LL 4KPa		
HORIZONTAL IMPA	CT LOAD	10kN			
DRAWING TITLE	Ē				
PROM	1ENADE PI	_ANS _	SHEET 2		
(70)					
(ZONI	I (D)				

drawing no.

AMDT 5

project №. 6617 – 01



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

		PIL	.e mark	PILE (SIZE)	WORKING	ULTIMATE		
		P1 600 CHS 12.7		600 CHS 12.7	900 kN	1200 kN		
		CANT	ILEVERED		SDL	LL		
		BOAF	NDWALK TO S	SEAT	0.5KPa	10KPa		
		BOAF	DWALK		SDL	LL		
		EXTE	NSION		0.5KPa	4KPa		
		HORIZ	ZONTAL IMPA	CT LOAD	10kN			
			DRAWING TITL	-E				
			PRO	MENADE P	IANS -	SHEET 3		
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NT			(ZON	E 2C)				
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DRAWING No.

C604

AMDT

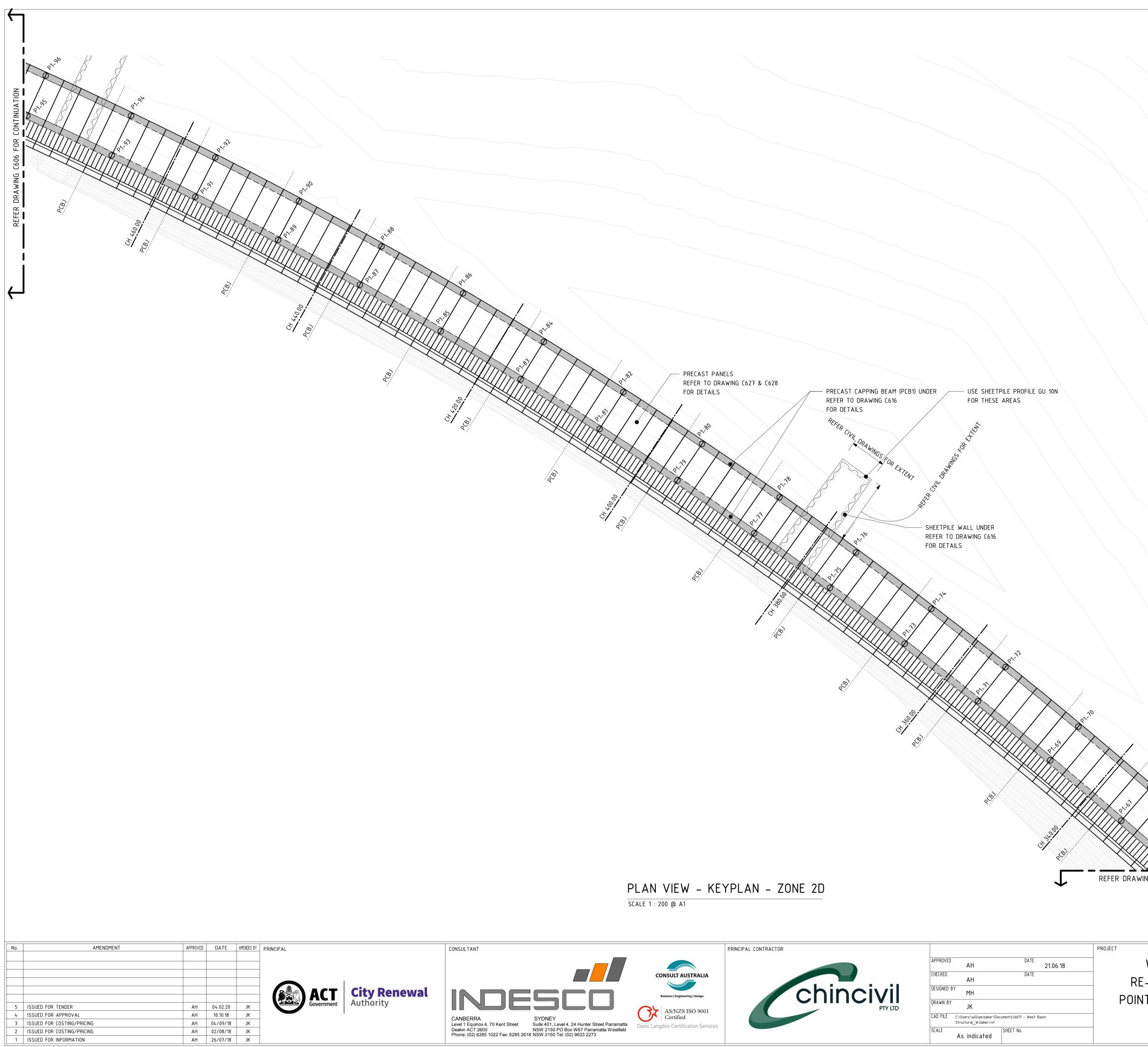
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PROJECT No. 6617 - 01

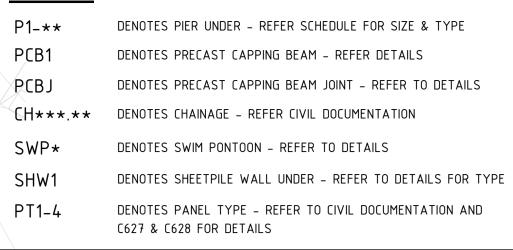
LOADING LEGEND

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Т	PARK	PHASE	2

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## <u>LEGEND</u>



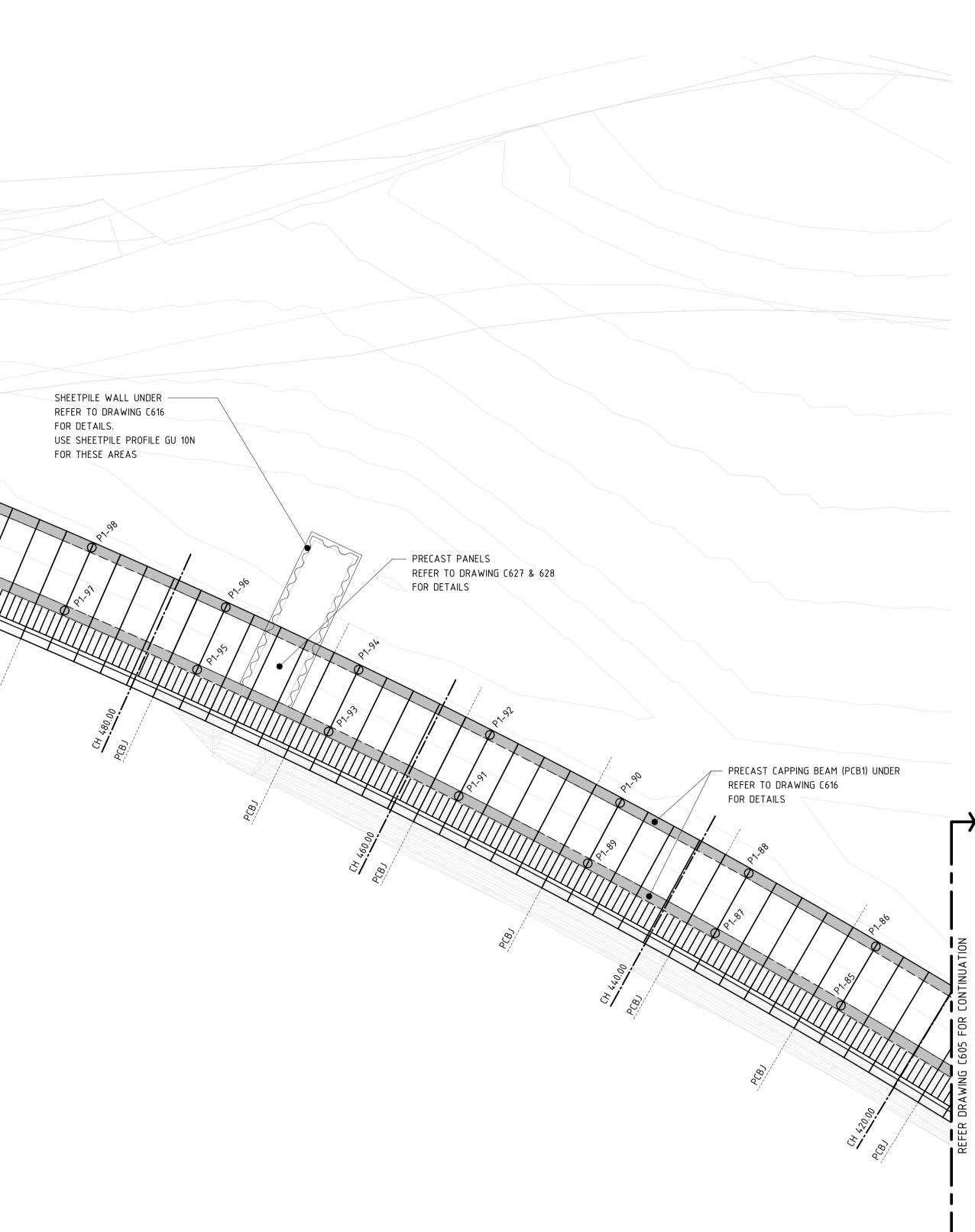
## PRECAST PANEL TYPE

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		LOADING LEGEND								
	PILE MARK	PILE (SIZE)	WORKING	ULTIMATE						
	P1	600 CHS 12.7	900 kN	1200 kN						
NG C604 FOR CONTINUATION	CANTILEVERED		SDL							
•	BOARDWALK TO S	SEAT	0.5KPa	10KPa						
	BOARDWALK EXTENSION		SDL 0.5KPa	LL 4KPa						
	HORIZONTAL IMPA	CT LOAD	10kN							
	DRAWING TITLE									
WEST BASIN	PROM	ENADE PL	ANS –	SHEET 4						
-DEVELOPMENT	(ZONE	(ZONE 2D)								
T PARK PHASE 2										
	PROJECT No. 6617	- 01	D	rawing №.	AMDT					

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								CHEET	PILE WALL				
							P1-10 <sup>14</sup>	REFER	R TO DRAW				
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													PCBJ
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	AMENDMENT	APPROVED	DATE	AMENDED BY	PRINCIPAL					CONSULTANT			
No.	AMENDMENT	APPROVED	DATE	AMENDED BY				Domor		CONSULTANT			
						ACC	City	Renew	val				
5	ISSUED FOR TENDER ISSUED FOR APPROVAL	AHAH	04.02.20	JK		ACC	City Author	Renev	Nal				
5	ISSUED FOR TENDER	AH	04.02.20	JK		ACC	City Author	Renev	val				

Level 1 Equilion 4, 70 Kent Street	Juite	<del>-</del> 01,1
Deakin ACT 2600	NSW	2150
Phone: (02) 6285 1022 Fax: 6285 2618	NSW	2150



## PLAN VIEW – KEYPLAN – ZONE 2E

SCALE 1 : 200 @ A1



## LEGEND

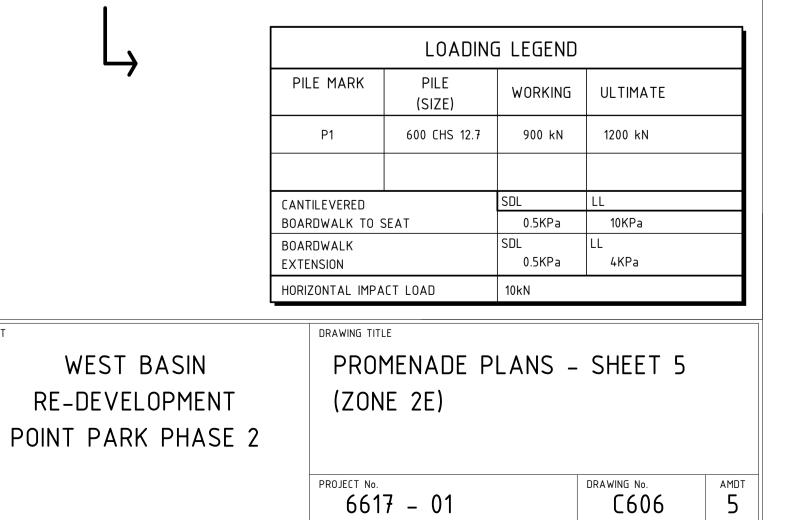
P1-**	DENOTES PIER UNDER - REFER SCHEDULE FOR SIZE & TYPE
PCB1	DENOTES PRECAST CAPPING BEAM - REFER DETAILS
PCBJ	DENOTES PRECAST CAPPING BEAM JOINT – REFER TO DETAILS
CH***.**	DENOTES CHAINAGE - REFER CIVIL DOCUMENTATION
SWP*	DENOTES SWIM PONTOON - REFER TO DETAILS
SHW1	DENOTES SHEETPILE WALL UNDER -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

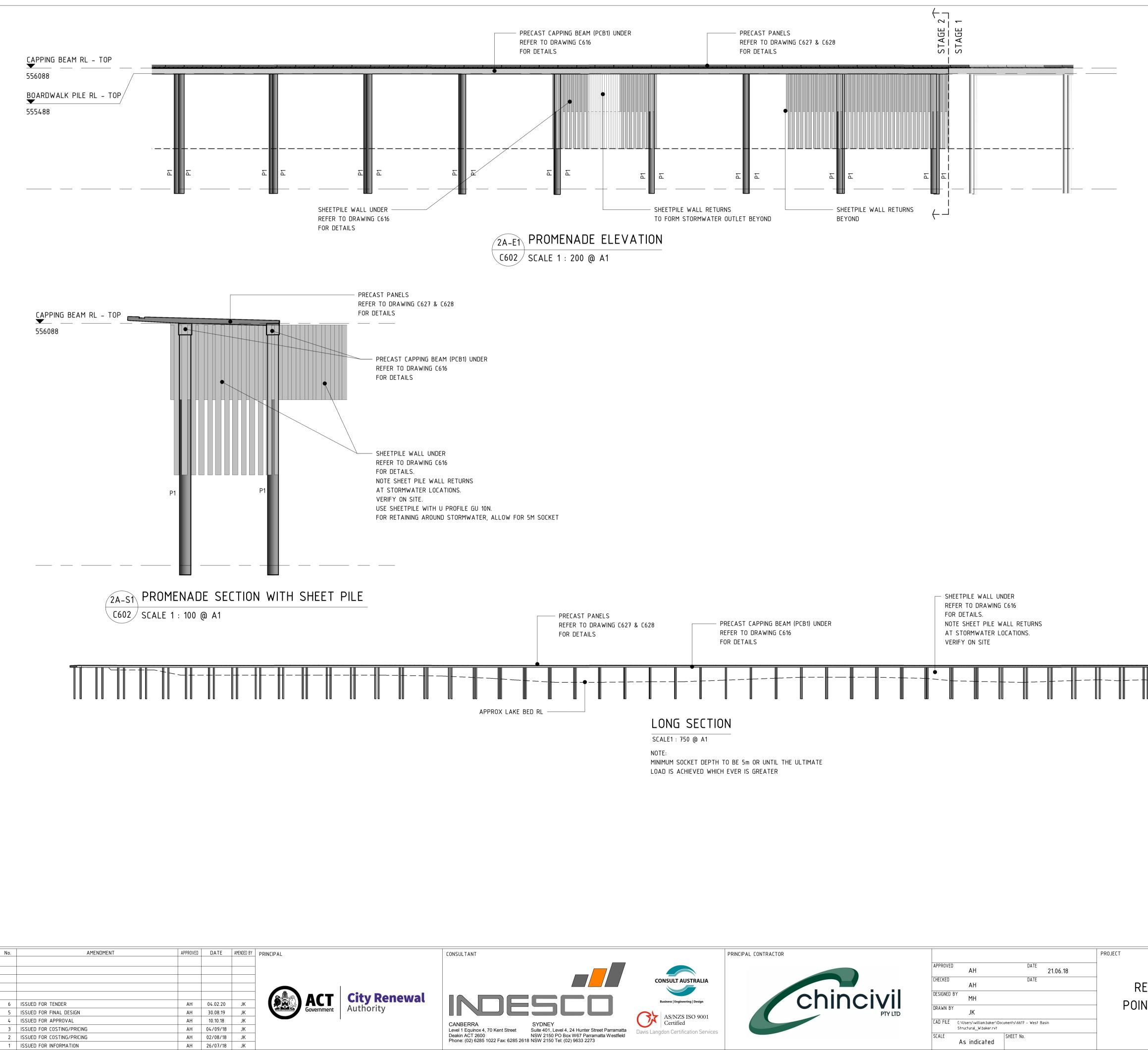
#### PRECAST PANEL TYPE

#### NOTE:

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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





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
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### PRECAST PANEL TYPE

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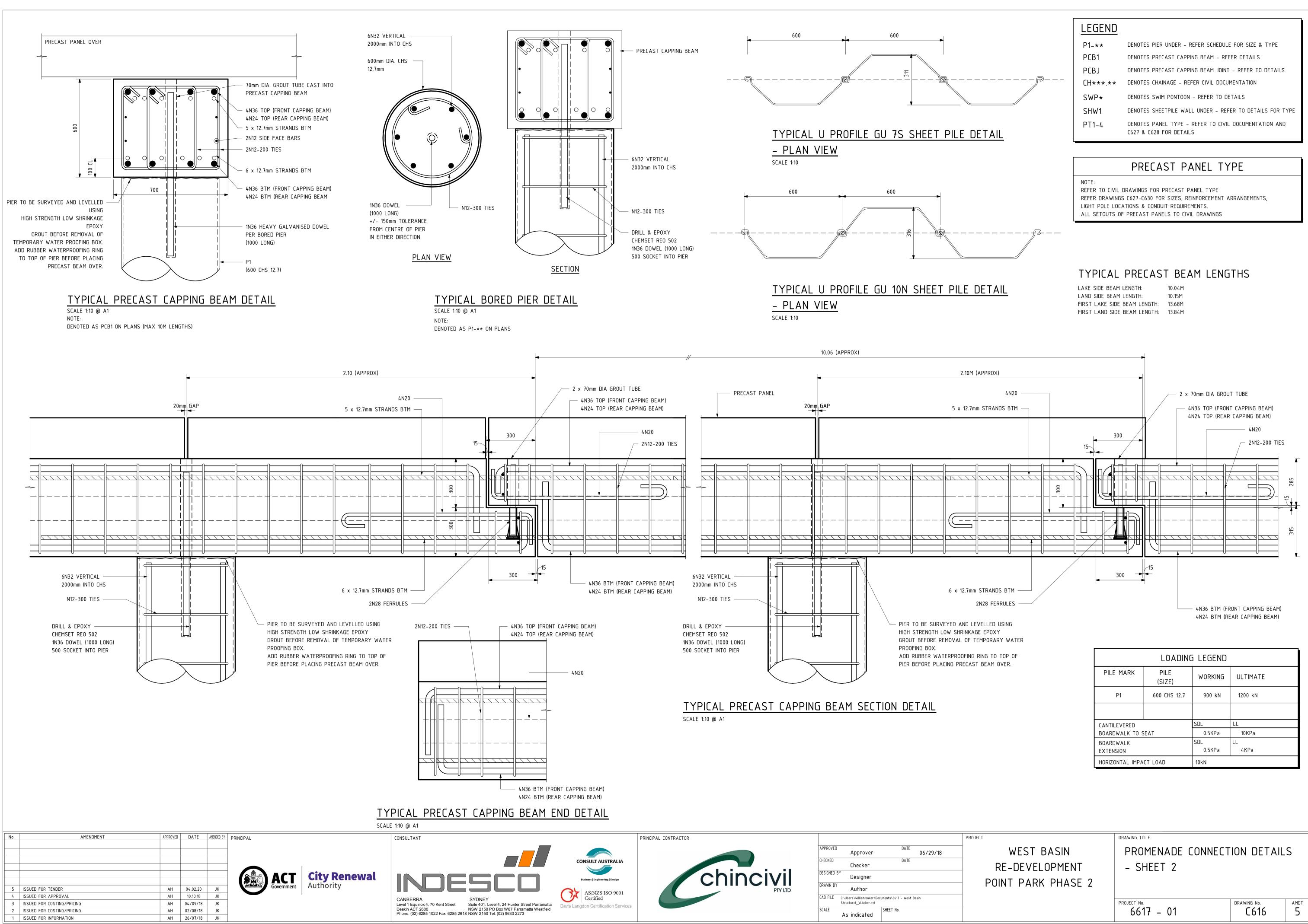
LOADING LEGEND								
PILE MARK	PILE (SIZE)	WORKING	ULTIMATE					
P1	600 CHS 12.7	900 kN	1200 kN					
CANTILEVERED		SDL	LL					
BOARDWALK TO S	SEAT	0.5KPa	10KPa					
BOARDWALK EXTENSION		SDL 0.5KPa	LL 4KPa					
HORIZONTAL IMPA	CT LOAD	10kN						

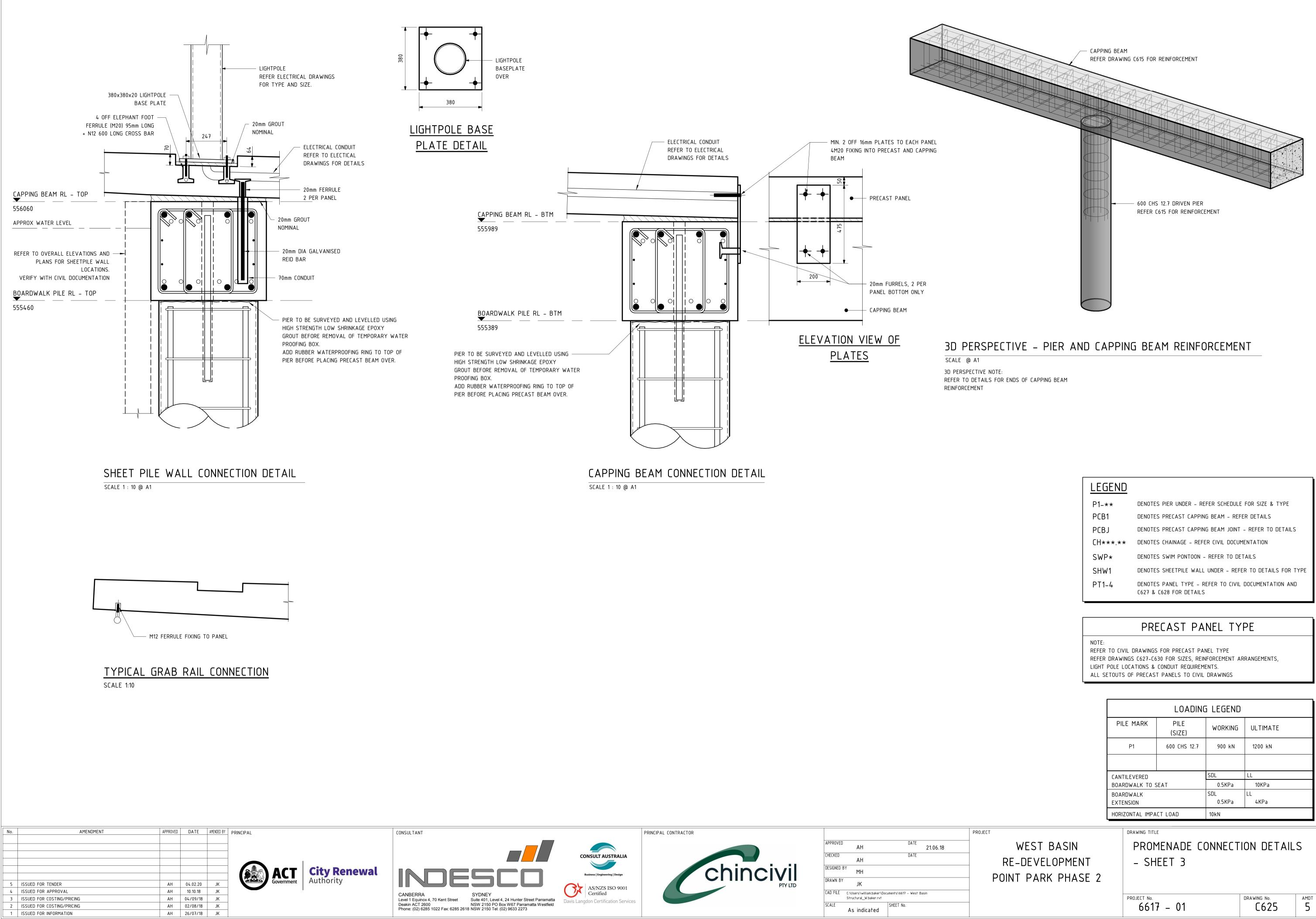
WEST BASIN **RE-DEVELOPMENT** POINT PARK PHASE 2

### DRAWING TITLE PROMENADE ELEVATIONS & SECTIONS - SHEET 1

DRAWING No. C607 AMDT

6

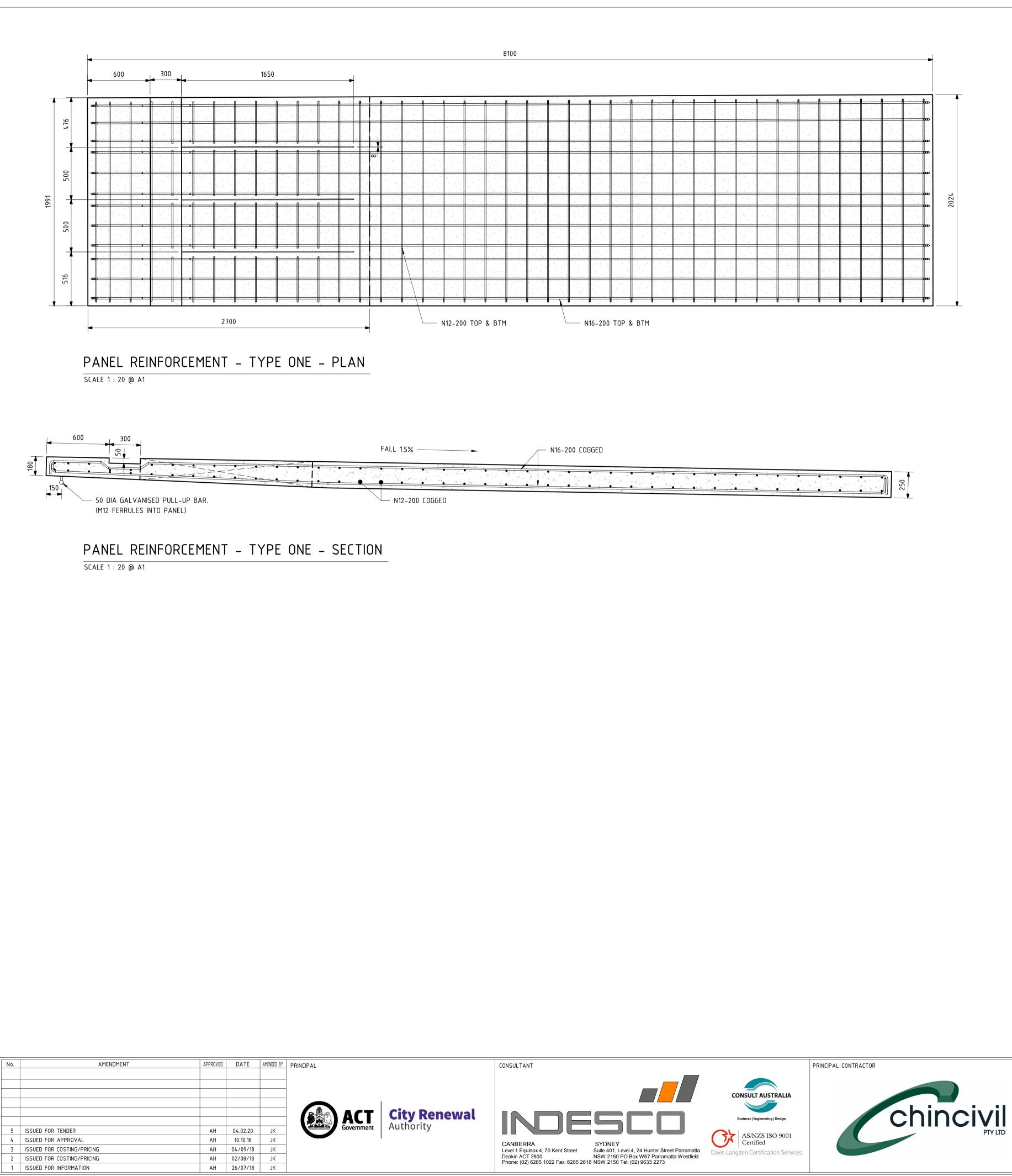




Level 1 Equinox 4, 70 Kent Street	Suite 401
Deakin ACT 2600	NSW 215
Phone: (02) 6285 1022 Fax: 6285 2618	<b>NSW 215</b>

LEGEND	
P1-**	DENOTES PIER UNDER - REFER SCHEDULE FOR SIZE & TYPE
PCB1	DENOTES PRECAST CAPPING BEAM - REFER DETAILS
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SHW1	DENOTES SHEETPILE WALL UNDER - REFER TO DETAILS FOR TYPE
PT1-4	DENOTES PANEL TYPE – REFER TO CIVIL DOCUMENTATION AND C627 & C628 FOR DETAILS

	LOADING	5 LEGEND	
PILE MARK	PILE (SIZE)	WORKING	ULTIMATE
P1 600 CHS 12.7		900 kN	1200 kN
CANTILEVERED		SDL	LL
BOARDWALK TO S	SEAT	0.5KPa	10KPa
BOARDWALK EXTENSION		SDL 0.5KPa	LL 4KPa
HORIZONTAL IMPA	CT LOAD	10kN	



Level 1 Equinox 4, 70 Kent Street	Sulle 401, I
Deakin ACT 2600	NSW 2150
Phone: (02) 6285 1022 Fax: 6285 2618	NSW 2150

1 ISSUED FOR INFORMATION

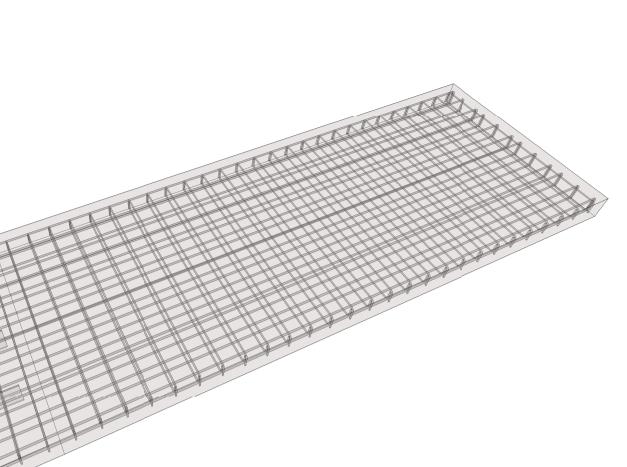
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3D PERSPECTIVE - TYPE ONE PANEL REINFORCEMENT SCALE @ A1

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				PROJECT
APPROVED	AH	DATE	21.06.18	-
CHECKED	AH	DATE		
DESIGNED B	Y MH			
DRAWN BY	JK			POIN
CAD FILE	C:\Users\william.baker\Doc Structural_W.baker.rvt	uments\6617 - West B	asin	
SCALE	As indicated	SHEET No.		



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

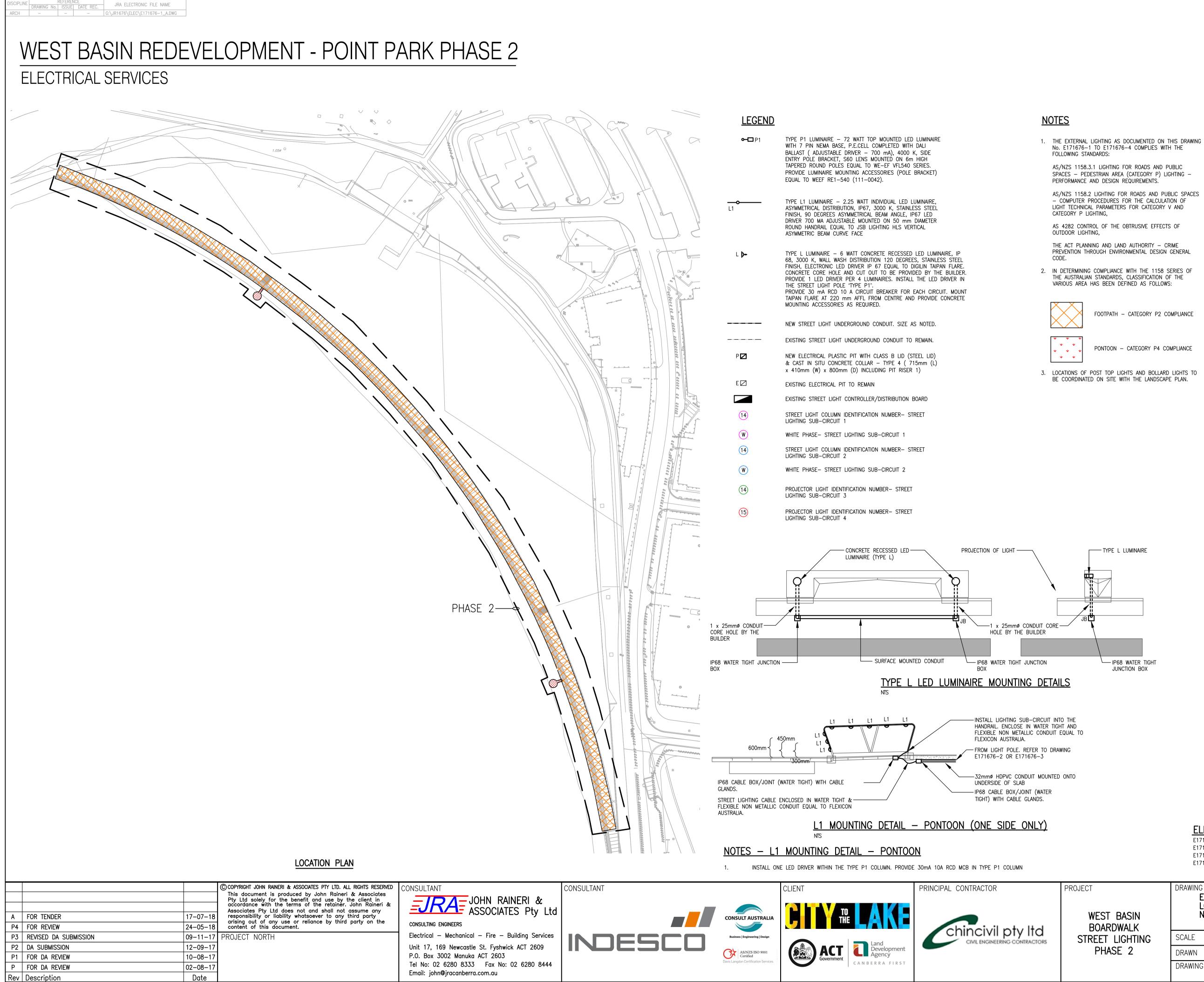
WEST BASIN E-DEVELOPMENT NT PARK PHASE 2

## DRAWING TITLE TYPICAL PANEL REINFORCEMENT PANEL TYPE 1

PROJECT NO. 6617 - 01

DRAWING No. C627 AMDT

5



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

AS 4282 CONTROL OF THE OBTRUSIVE EFFECTS OF

THE ACT PLANNING AND LAND AUTHORITY - CRIME PREVENTION THROUGH ENVIRONMENTAL DESIGN GENERAL

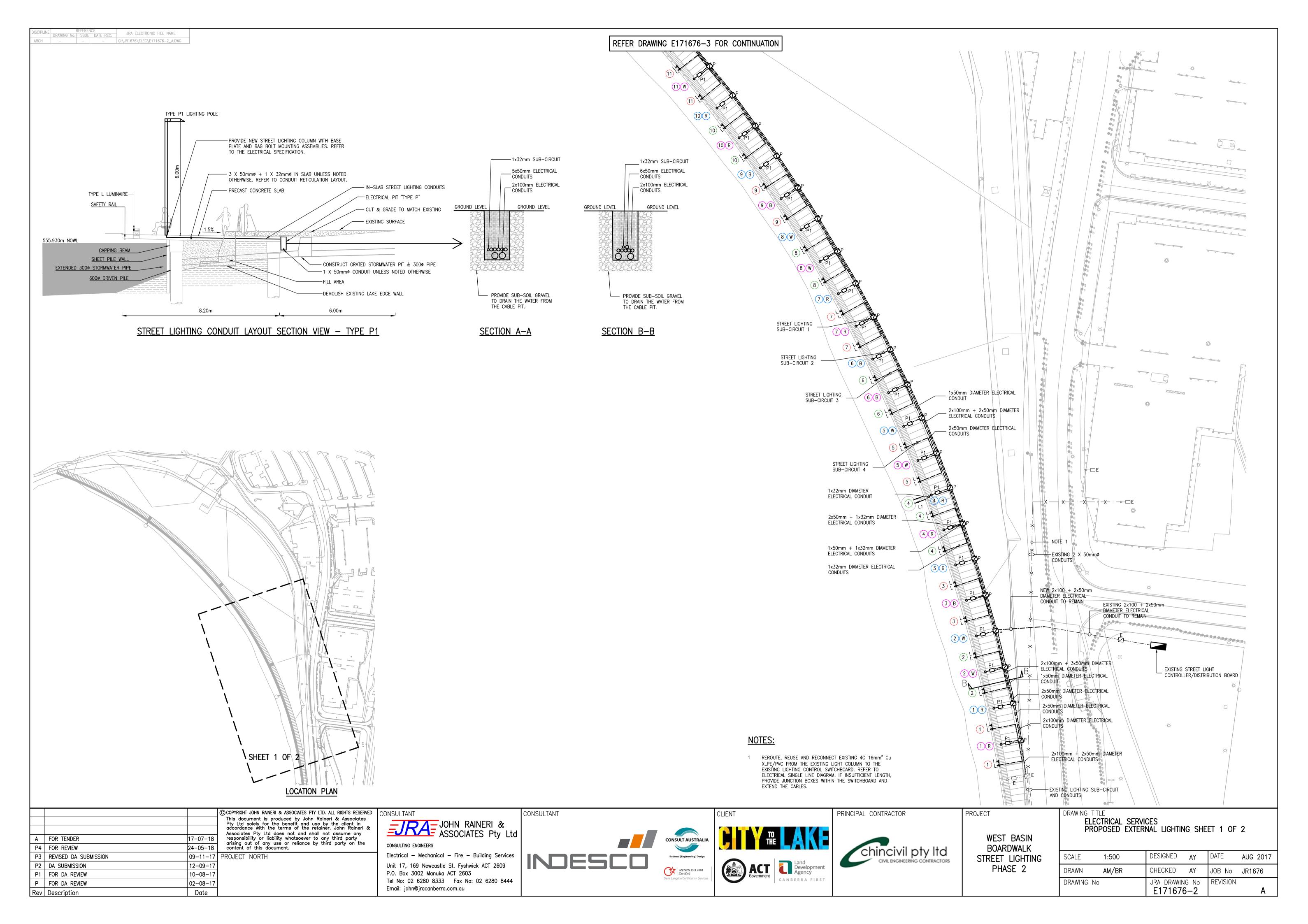
FOOTPATH - CATEGORY P2 COMPLIANCE

PONTOON - CATEGORY P4 COMPLIANCE

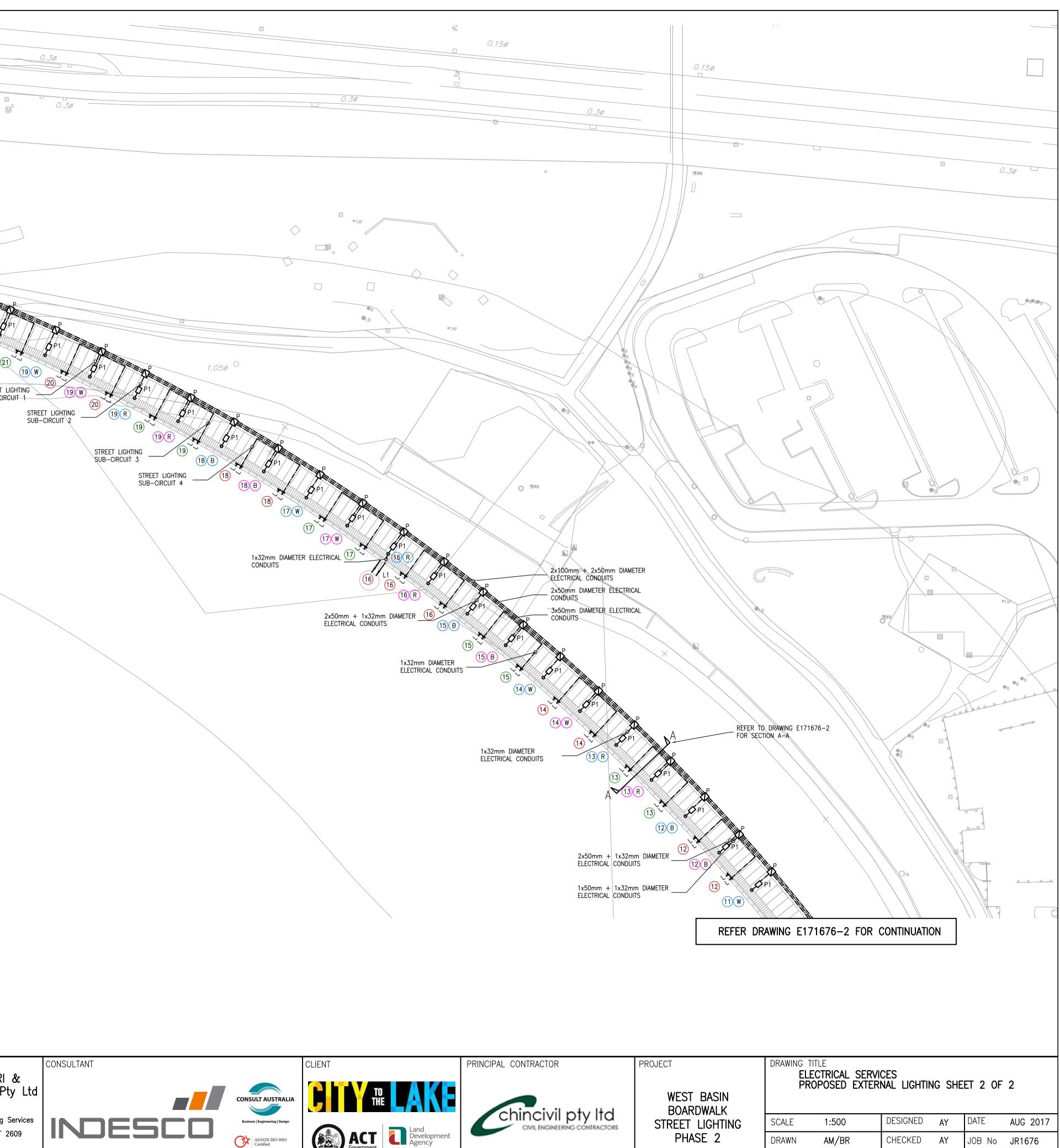
#### FLECTRICAL SERVICES DRAWING REGISTER

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

WEST BASIN BOARDWALK	DRAWING TITLE ELECTRICAL SERVICES LOCATION PLAN, LEGEND, DRAWING REGISTER, NOTES AND DETAILS					
TREET LIGHTING	SCALE	N.T.S	DESIGNED	AY	DATE	AUG 2017
PHASE 2	DRAWN	AM/BR	CHECKED	AY	JOB No	JR1676
	DRAWING	No	JRA DRAWIN		REVISION	А



DISCIPLINE REFERENCE JRA ELECTRONIC FILE NAME ARCH – – G:\JR1676\ELEC\E171676-3_A.DW	6	
		PROVIDE END CAPS PH PH P
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	<b>LOCATION PLAN</b>	
A FOR TENDER   P4 FOR REVIEW   P3 REVISED DA SUBMISSION   P2 DA SUBMISSION   P1 FOR DA REVIEW   P FOR DA REVIEW   Rev Description	Image: Construction of the second constructing construction of the second construction of the seco	CONSULTANT CONSULTING ENGINEERS Electrical – Mechanical – Fire – Building Se Unit 17, 169 Newcastle St. Fyshwick ACT 26 P.O. Box 3002 Manuka ACT 2603 Tel No: 02 6280 8333 Fax No: 02 6280 Email: john@jracanberra.com.au



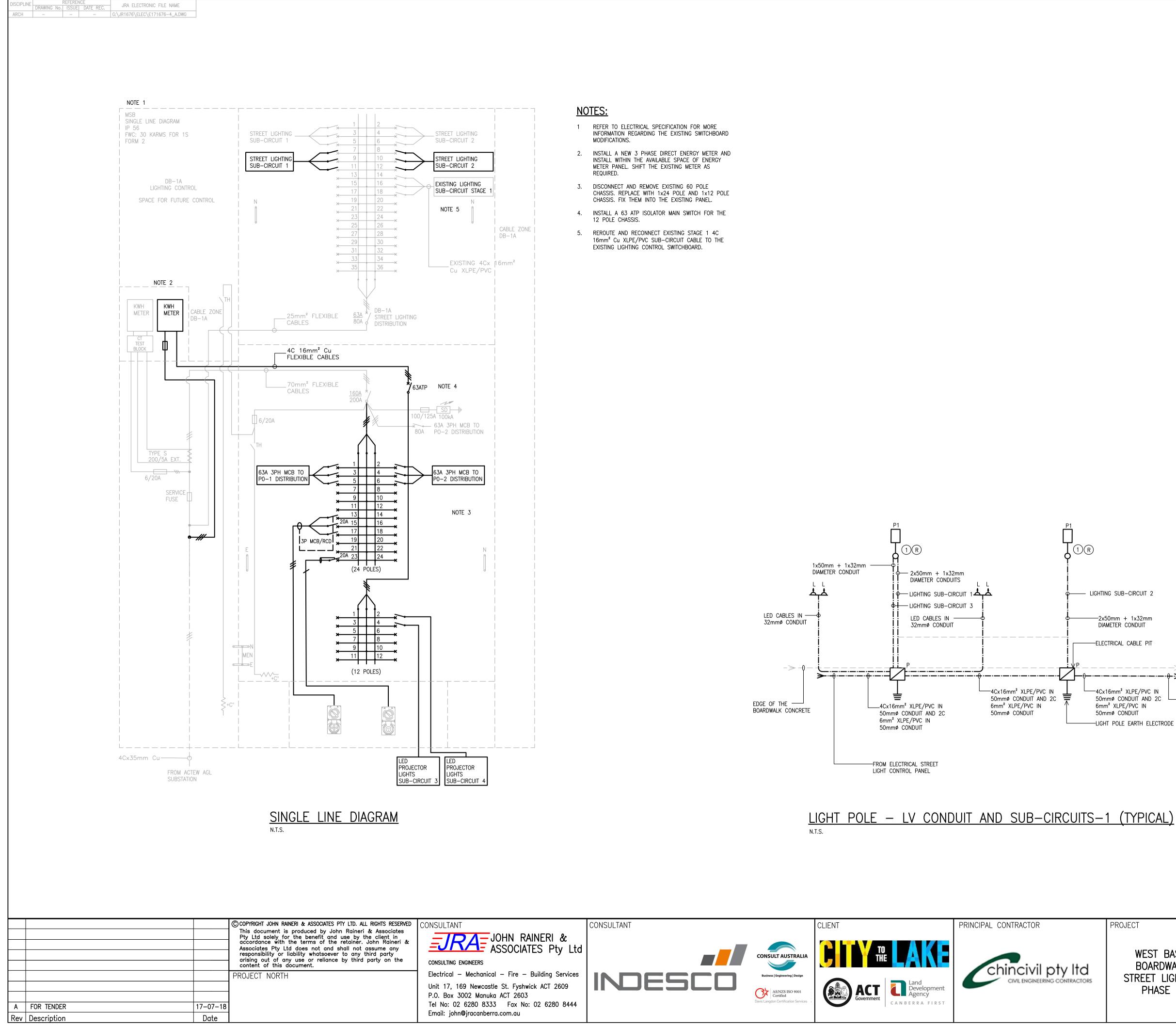
JRA DRAWING No **E171676-3** 

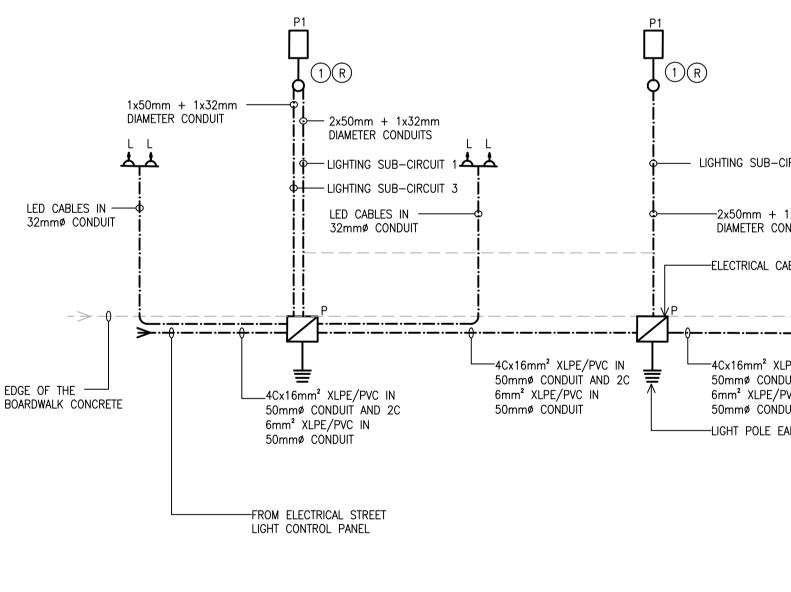
REVISION

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DRAWING No







# <u>LIGHT POLE – LV CONDUIT AND SUB-CIRCUITS-1 (TYPICAL)</u>

CT WEST BASIN BOARDWALK		LE CTRICAL SERVI SLE LINE DIAG				
TREET LIGHTING	SCALE	N.T.S	DESIGNED	AY	DATE	JUL 2018
PHASE 2	DRAWN	BR	CHECKED	AY	JOB No	JR1676
	DRAWING No		JRA DRAWING E171676		REVISION	А

50mmø CONDUIT AND 2C \_\_\_\_\_TO OTHER LIGHT COLUMN