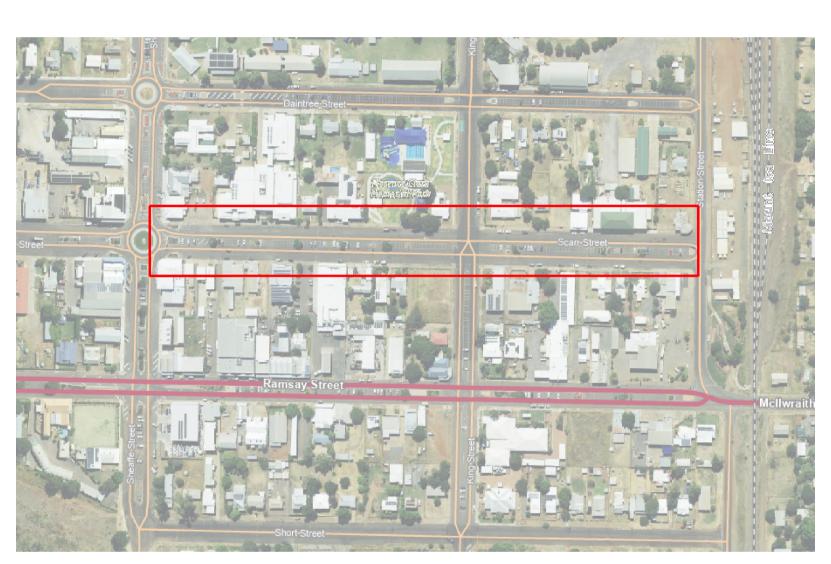
SCARR STREET SERVICES REVIEW

ELECTRICAL SERVICES

LEGEND ERGON CONTESTABLE WORKS COMMUNICATIONS С PROPOSED PADMOUNT SUBSTATION PROPOSED M\D-UPVC COMMUNICATIONS CONDUIT 1x100mmØ UNLESS NOTED OTHERWISE R PROPOSED RING MAIN UNIT **EXISTING COMMUNICATIONS CONDUIT** _____ P C4 PROPOSED GREENBOY ELECTRICAL PILLAR PROPOSED COMMUNICATIONS PIT REFER DRAWING E951 FOR DETAILS PROPOSED LV CUBICLE **EXISTING COMMUNICATIONS PIT** \otimes PROPOSED 125mm HIGH VOLTAGE CONDUIT PROPOSED IP56 ELECTRO-VOICE SURFACE MOUNTED SPEAKER EVID-S5.2X OR APPROVED EQUIVALENT 0 PROPOSED 100mm LOW VOLTAGE CONDUIT ELECTRICAL **SECURITY** PROPOSED HD-UPVC ELECTRICAL CONDUIT HIKVISION CCTV CAMERA C/W WIRELESS INTEGRATION TO 1x100mmØ UNLESS NOTED OTHERWISE P4 EXISTING HEAD END SYSTEM PROPOSED ELECTRICAL PIT REFER DRAWING E950 FOR MOUNTING DETAILS ON POLES. REFER DRAWING E951 FOR DETAILS

DRAWING REGISTER

- E100 COVER SHEET, LEGEND & DRAWING REGISTER
- E110 KEY PLAN
- E200 ELECTRICAL LAYOUT SHEET 1
- E201 ELECTRICAL LAYOUT SHEET 2
- E400 ERGON UNDERGROUND CIVILS LAYOUT E900 SINGLE LINE DIAGRAM
- E900 SINGLE LINE DIAG
- E950 POLE DETAILS
 E951 PIT DETAILS



LOCALITY PLAN

LUMINAIRE SCHEDULE										
TYPE DESCRIPTION MANUFACTURER SUPPLIER MODEL LAMP COLOUR TEMP BODY COLOUR BALLAST CONNECTION COMMENTS										
D1	IP66 INGROUND UPLIGHTER, WITH AIMING TO BE COORDINATED ON SITE OF TREE CANOPY	WE-EF	RYALINC	ETC330-GB	18W LED	4000K	BLACK	INTEGRAL ELECTRONIC	HARDWIRED	
L1	IP66 POLE TOP LUMINAIRE, S60 OPTICS, MOUNTING HEIGHT 5m AGL	WE-EF	RAYLINC	ASP530 127-8253	24W LED	4000K	BLACK	INTEGRAL ELECTRONIC	HARDWIRED	L#-S DENOTES POLE TO BE INTEGRATED WITH SHELTER. CONTRACTOR TO COORDINATE DETAILS WITH SHELTER MANUFACTURER
L2	IP66 POLE TOP LUMINAIRE, R65 OPTICS, MOUNTING HEIGHT 5m AGL	WE-EF	RAYLINC	ASP530 127-8319	24W LED	4000K	BLACK	INTEGRAL ELECTRONIC	HARDWIRED	
L3	IP66 POLE TOP LUMINAIRE, S60 OPTICS, MOUNTING HEIGHT 8m AGL	WE-EF	RAYLINC	ASP530 127-8255	48W LED	4000K	BLACK	INTEGRAL ELECTRONIC	HARDWIRED	
L4	IP66 POLE TOP PEDESTRIAN CROSSING LUMINAIRE, MOUNTING HEIGHT 8m AGL	WE-EF	RAYLINC	ASP530 REFER MANUFACTUER FOR CODE	115W LED	4000K	BLACK	INTEGRAL ELECTRONIC	HARDWIRED	
L5	IP66 POLE TOP LUMINAIRE, MOUNTING HEIGHT 8m AGL	WE-EF	RAYLINC	ASP530 127-8253	24W LED	4000K	BLACK	INTEGRAL ELECTRONIC	HARDWIRED	
S1	IP66 SHELTER MOUNTED LUMINAIRE, WITH AIMING TO BE COORDINATED ON SITE	SIMES	EAGLE LIGHTING	MINISTAGE S.1225N	35W LED	4000K	BLACK	INTEGRAL ELECTRONIC	HARDWIRED	



WEBB AUSTRALIA GROUP (QLD) PTY LTD

CONSULTING ENGINEERS - ABN 30 010 733 561

ELECTRICAL - LIGHTING - MECHANICAL - SECURITY COMMUNICATIONS - AUDIO VISUAL - PV SOLAR

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AMENDMENTS

ISSUE	DATE	AMENDMENT
Α	16.04.24	CONCEPT ISSUE
В	24.05.24	ISSUED FOR COORDINATION

CLIENT



PROJECT
SCARR STREET SERVICES REVIEW

DRAWING

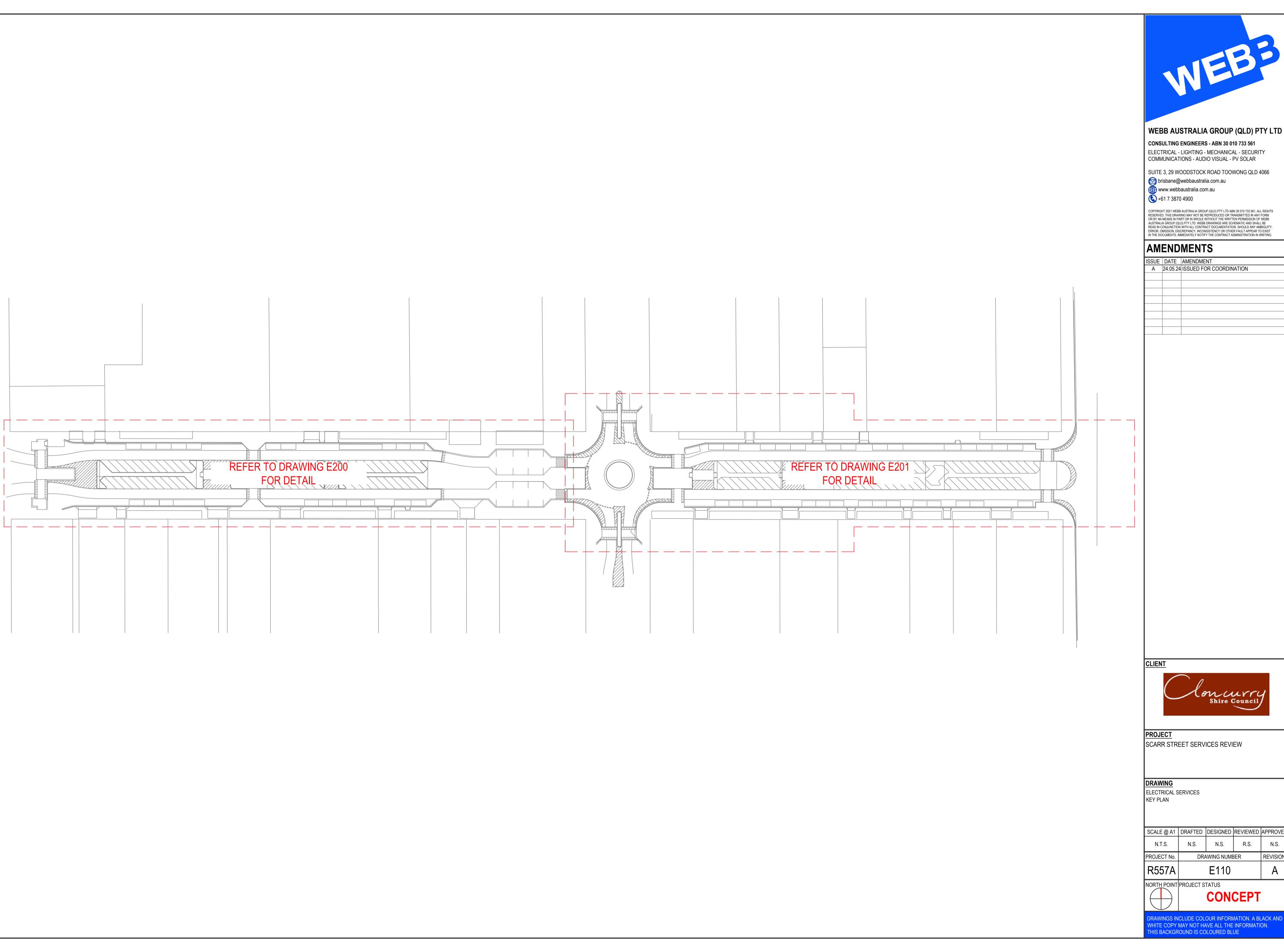
ELECTRICAL SERVICES

COVER SHEET, LEGEND & DRAWING REGISTER

R557A	E100			В
PROJECT No.	DRAWING NUMBER			REVISION
N.T.S.	N.S.	N.S.	R.S.	N.S.
SCALE @ A1	DRAFTED	DESIGNED	REVIEWED	APPROVE

RTH POINT PROJECT STATUS

CONCEPT





WEBB AUSTRALIA GROUP (QLD) PTY LTD

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ELECTRICAL - LIGHTING - MECHANICAL - SECURITY COMMUNICATIONS - AUDIO VISUAL - PV SOLAR

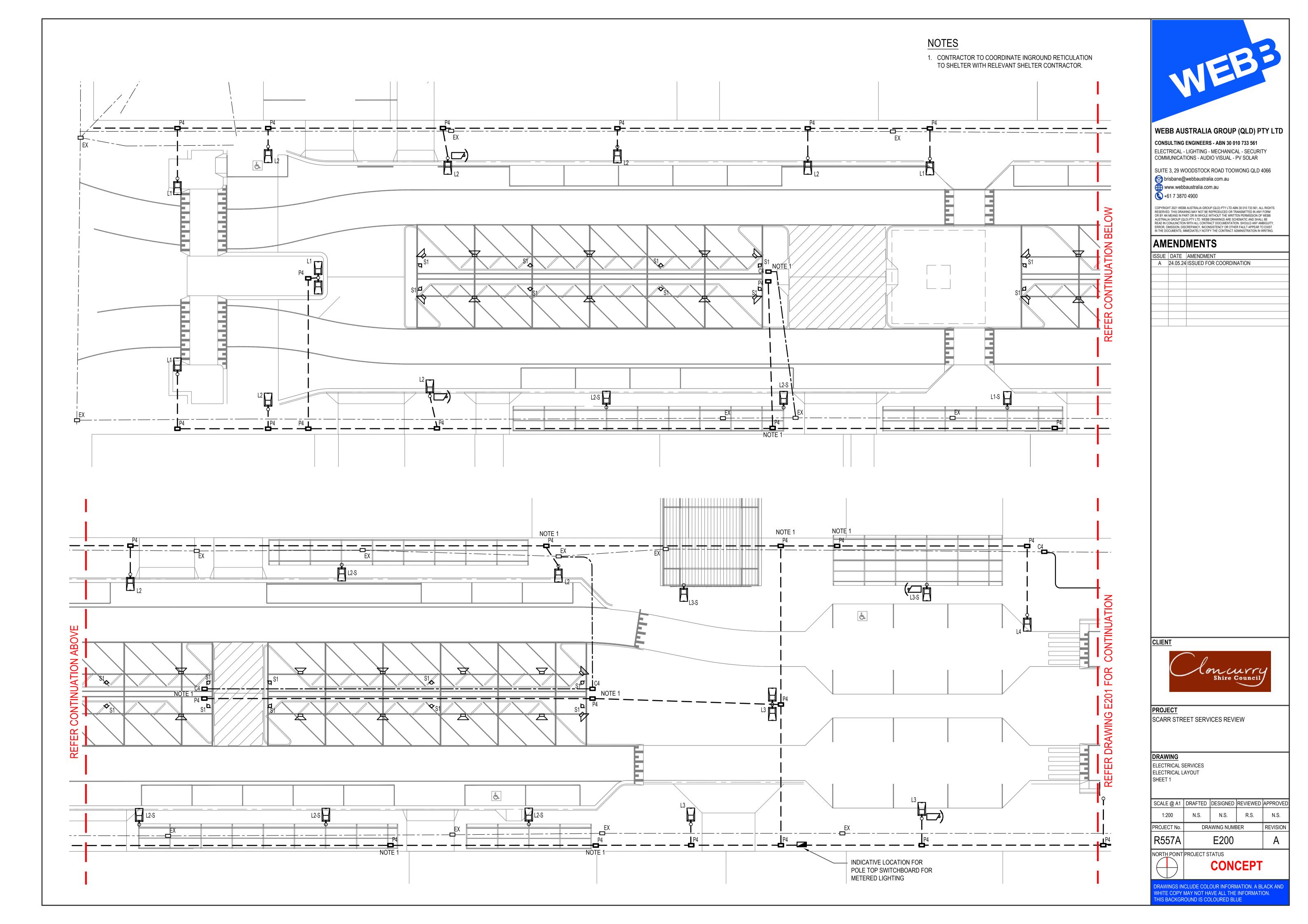
SUITE 3, 29 WOODSTOCK ROAD TOOWONG QLD 4066

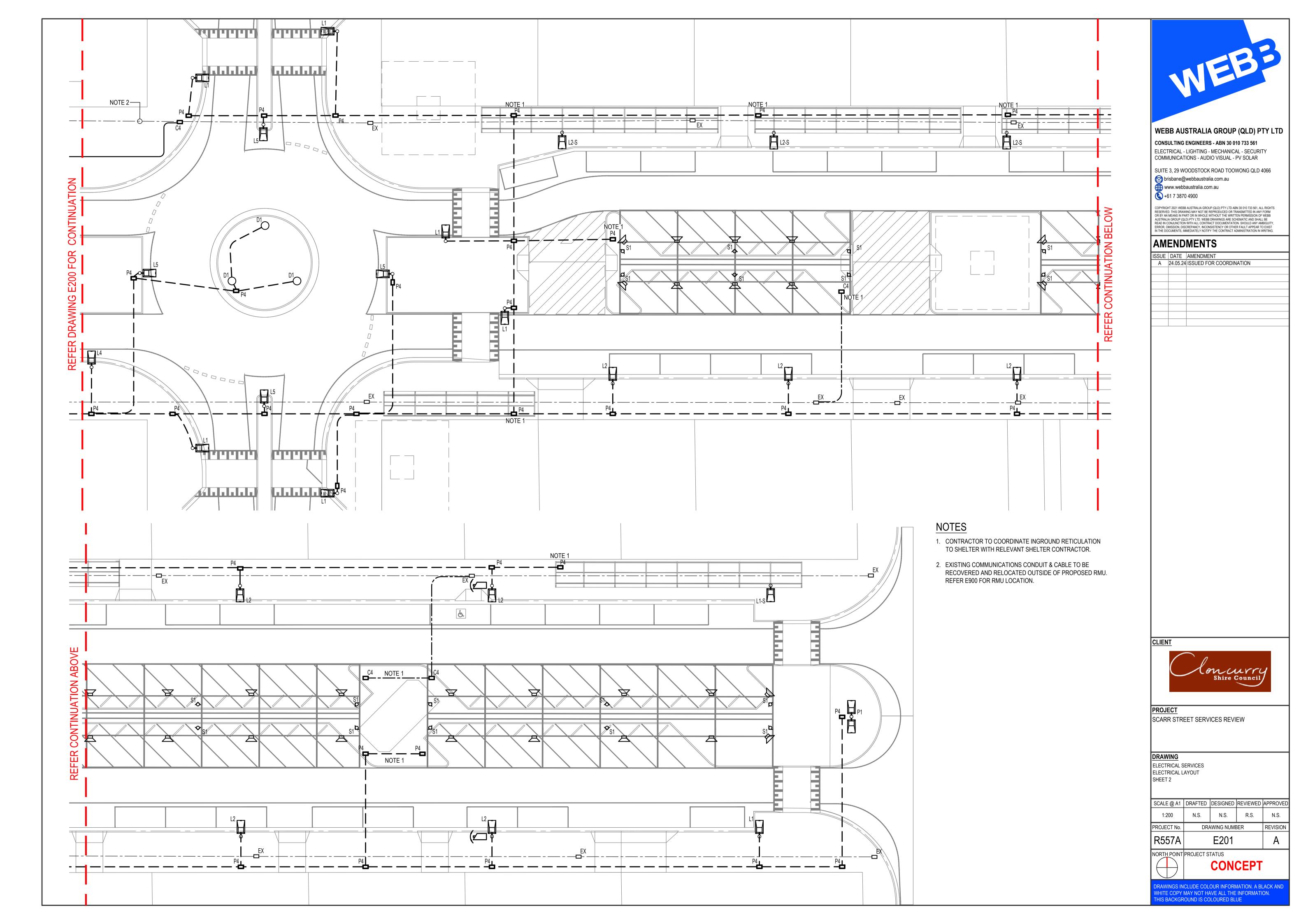
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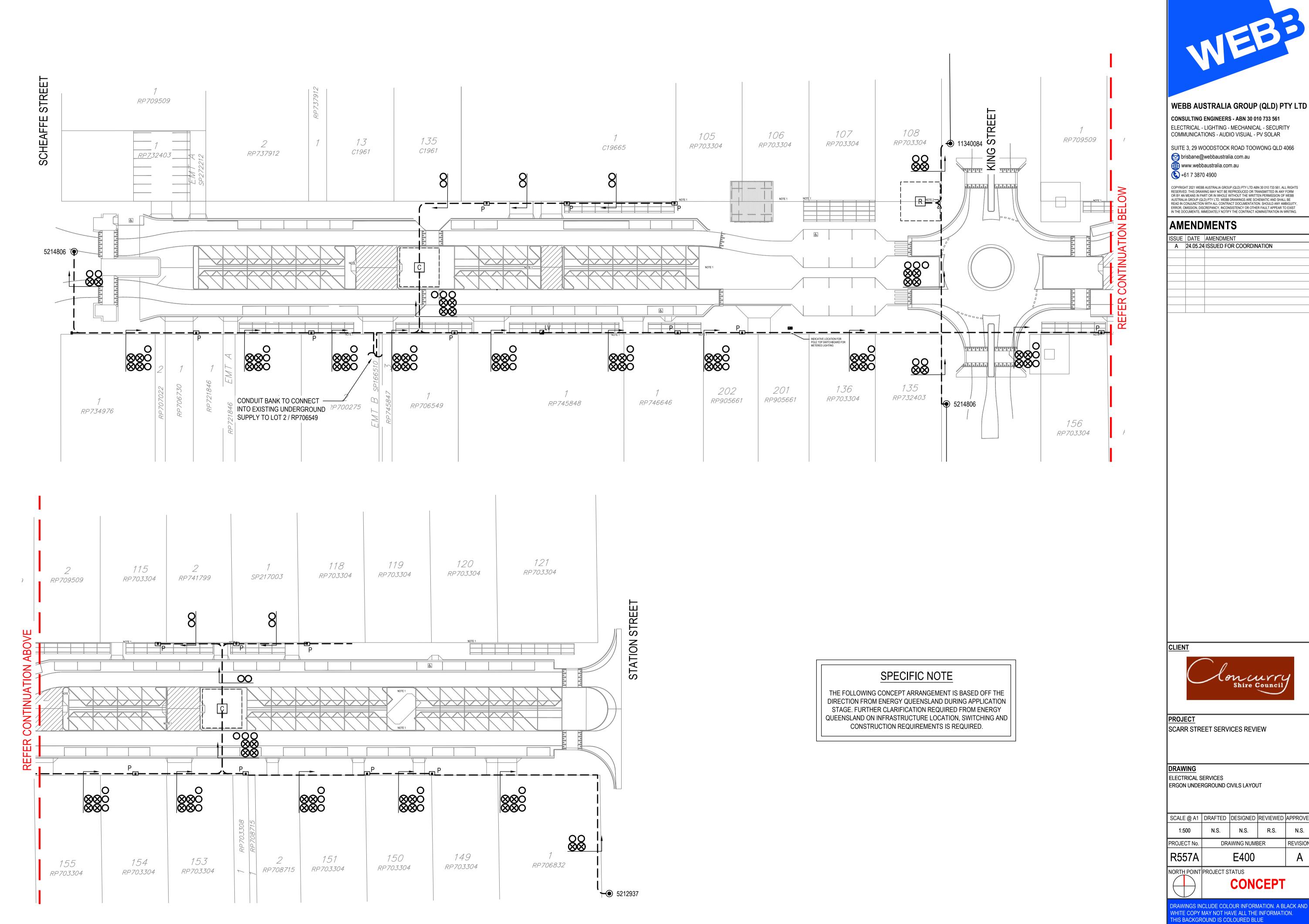
ISSUE	DATE	AMENDMENT
Α	24.05.24	ISSUED FOR COORDINATION



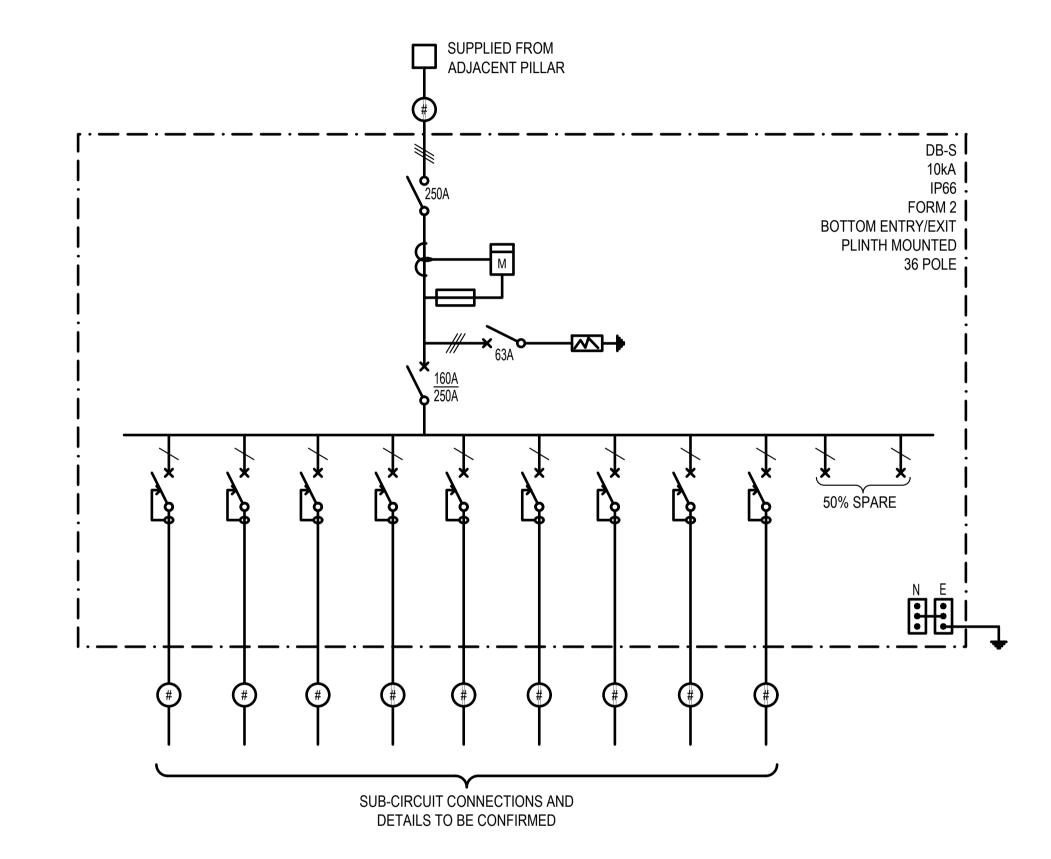
SCALE @ A1	DRAFTED	DESIGNED	REVIEWED	APPROVED
N.T.S.	N.S.	N.S.	R.S.	N.S.
PROJECT No.	ROJECT No. DRAWING NUMBER			REVISION
R557A		E110		Α
NORTH POINT	PRO IECT S	ΤΔΤΙΙς		

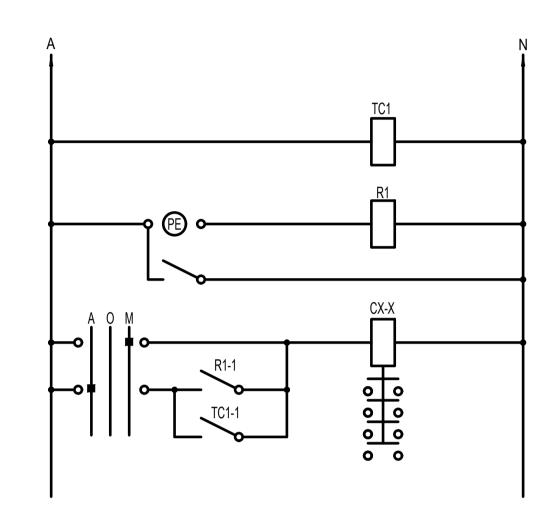




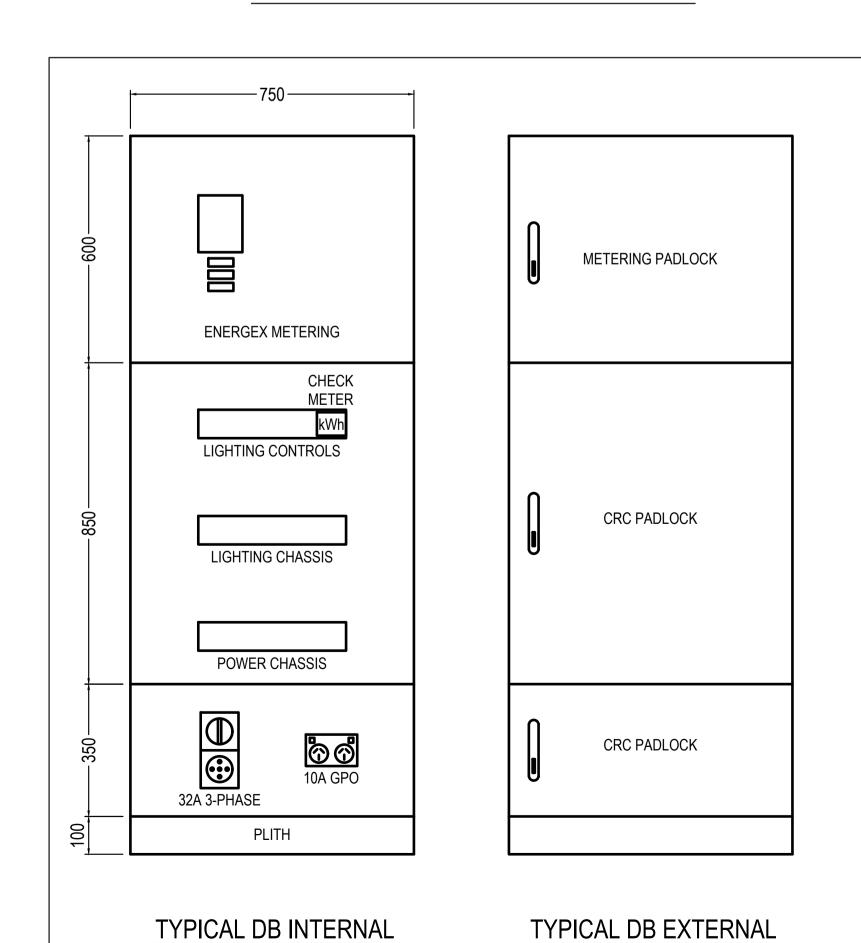


R557A	E400			Α
PROJECT No.	DRAWING NUMBER			REVISION
1:500	N.S.	N.S.	R.S.	N.S.
SCALE @ A1	DRAFTED	DESIGNED	REVIEWED	APPROVED





TYPICAL LIGHTING CONTROL SCHEMATIC



1:10 @ A1

1:10 @ A1

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AMENDMENTS

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ISSUE	DATE	AMENDMENT
Α	24.05.24	ISSUED FOR COORDINATION

CLIENT



PROJECT SCARR STREET SERVICES REVIEW

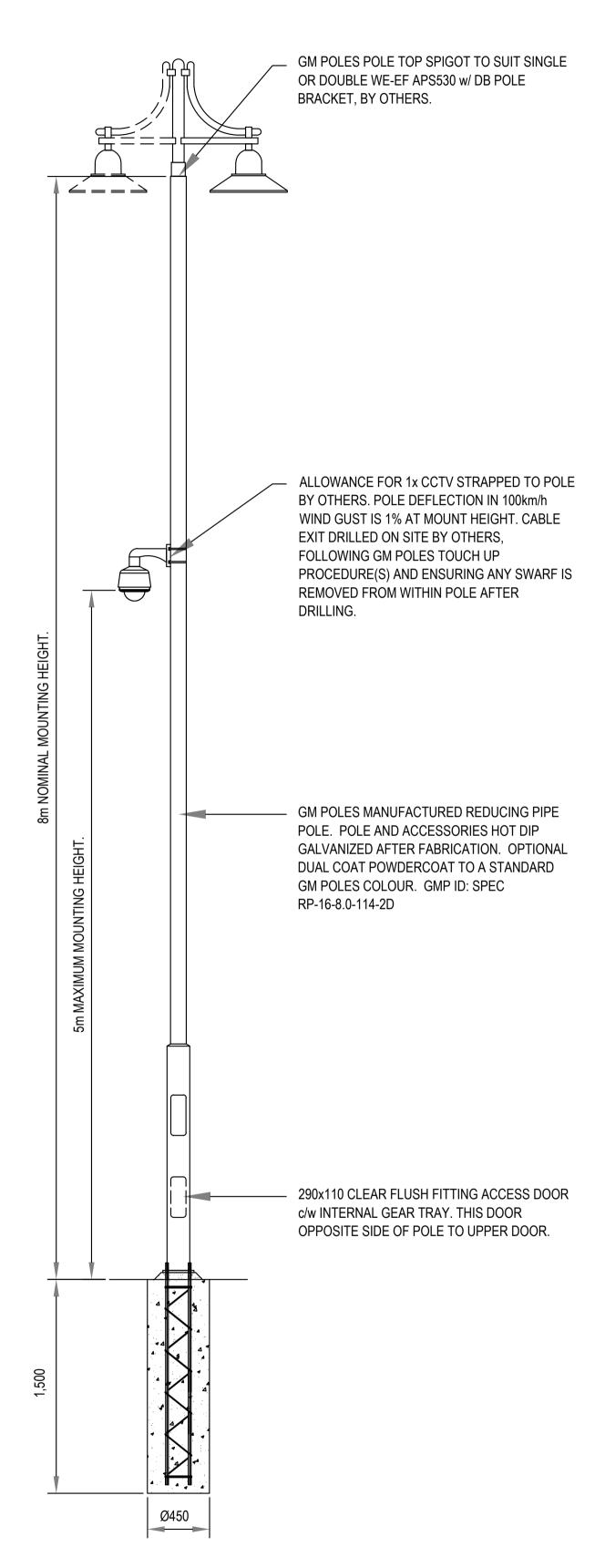
DRAWING

ELECTRICAL SERVICES SINGLE LINE DIAGRAM

N.T.S. N.S. N.S. R.S. N.S.	R557A		Α		
<u> </u>	ROJECT No.	DRA	REVISION		
SCALE @ AT DRAFTED DESIGNED REVIEWED APPROVE	N.T.S.	N.S.	N.S.	R.S.	N.S.
DONE O M. LODAETED DEGIONED DEVIEWED ARRODOVE	SCALE @ A1	DRAFTED	DESIGNED	REVIEWED	APPROVED

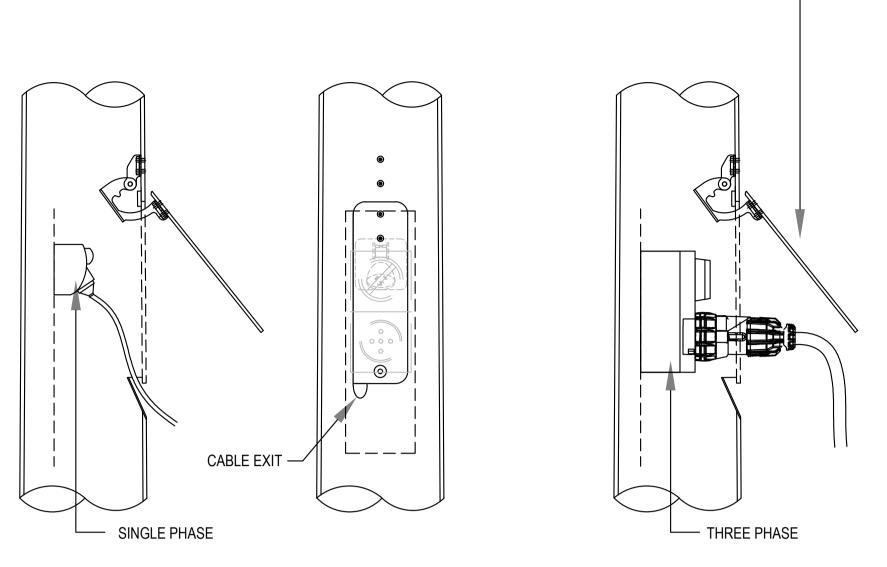
NORTH POINT PROJECT STATUS

CONCEPT



L3 / L4 / L5 POLE DETAILS

N.T.S.

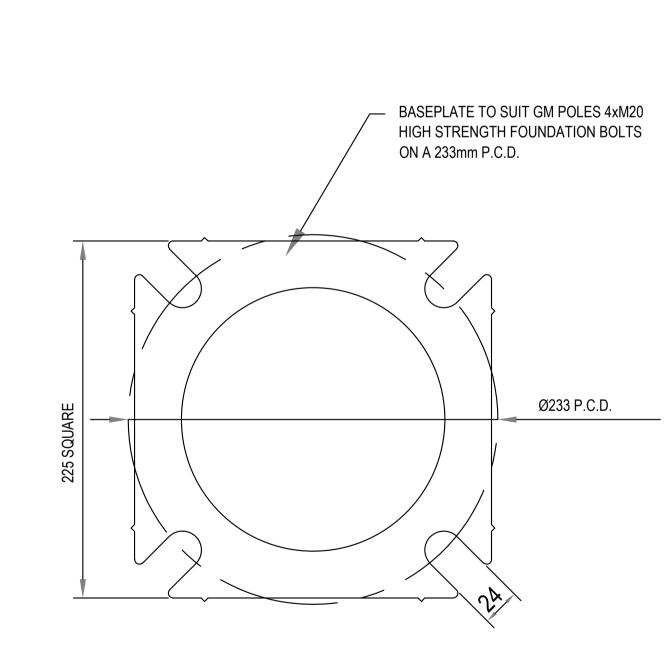


NOTE: DOOR CANNOT BE CLOSED WHEN ———

THREE PHASE PLUG IS CONNECTED.

HINGED DOOR DETAIL

N.T.S.



BASEPLATE DETAIL

N.T.S.

L1 / L2 POLE DETAILS

GM POLES MANUFACTURED REDUCING PIPE POLE.

A STANDARD GM POLES COLOUR. GMP ID: SPEC

290x110 CLEAR HINGED FLUSH FITTING ACCESS

FOUNDATION CAGE SET INTO MINIMUM 32MPa

CONCRETE FOOTING IN SOIL WITH A MINIMUM 150kPa BEARING CAPACITY THROUGHOUT PIER DEPTH. A SITE SPECIFIC SOIL TEST AND GM

POLES ENGINEERED FOOTING DESIGN IS RECOMMENDED. ELECTRICAL CONDUITS AND

ASSOCIATED ITEMS IS BY OTHERS.

DOOR c/w INTERNAL GEAR TRAY. REFER

HINGED DOOR DETAIL.

BASEPLATE - REFER DETAIL.

RP-16-5.0-100-2D

POLE AND ACCESSORIES HOT DIP GALVANIZED AFTER

FABRICATION. OPTIONAL DUAL COAT POWDERCOAT TO

N.T.S.



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PROJECT

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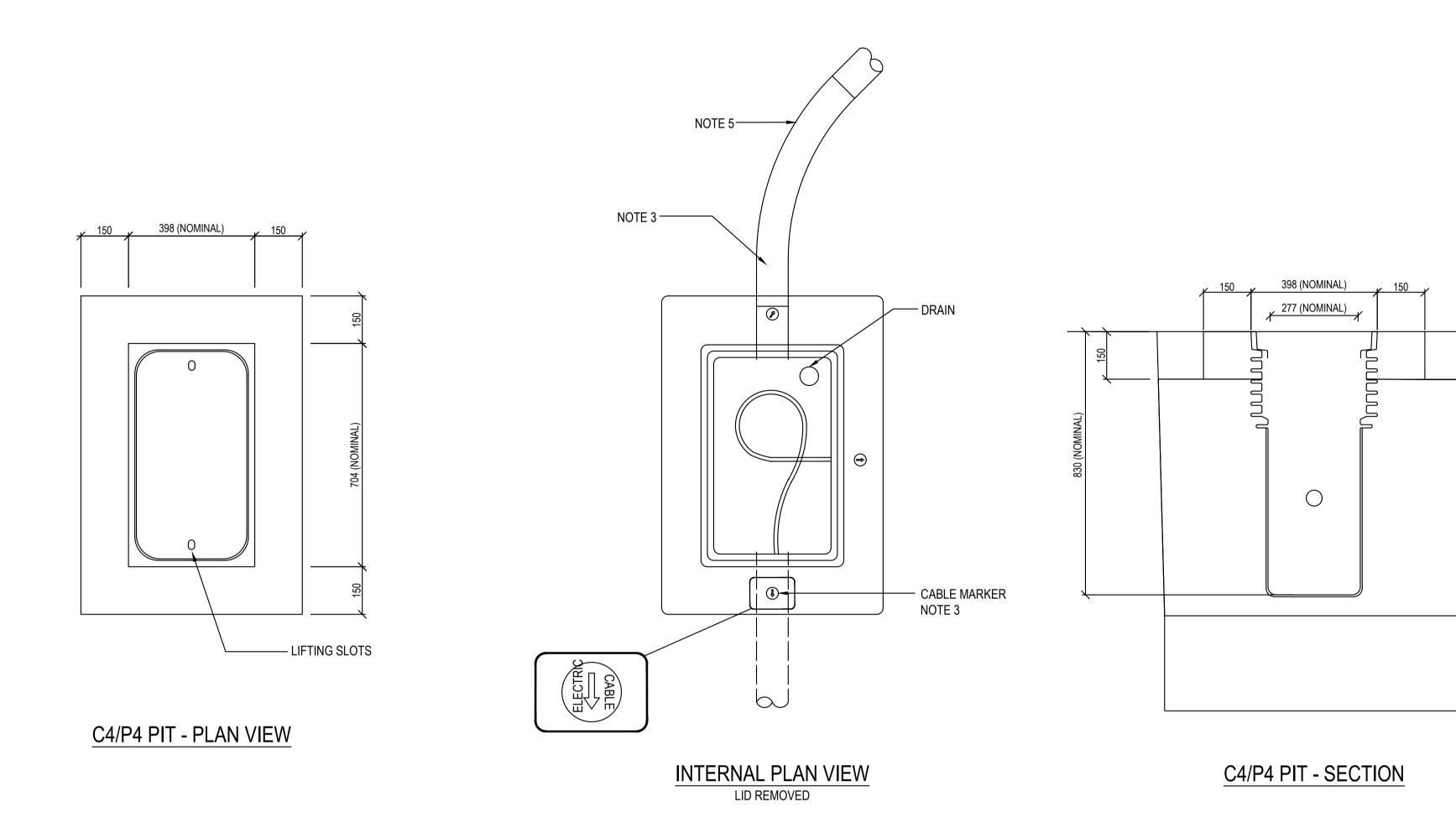
DRAWING

ELECTRICAL SERVICES POLE DETAILS

R557A	E950			Α
PROJECT No.	DRAWING NUMBER			REVISION
N.T.S.	N.S.	N.S.	R.S.	N.S.
SCALE @ A1	DRAFTED	DESIGNED	REVIEWED	APPROVED

NORTH POINT PROJECT STATUS

CONCEPT



TOP SOIL & GRASS

TYPICAL RUBBLE DRAIN

TOP SOIL & GRASS —

SECTION A-A'

-BACK FILL MATERIAL-

-AGGREGATE (FILTER-

-BEDDING SAND-

-GEOTEXTILE FABRIC-

MATERIAL)

A **<**

A'**←**

MAINTAIN STEADY —

MIN. 50mmØ —

DRAINAGE CONDUIT

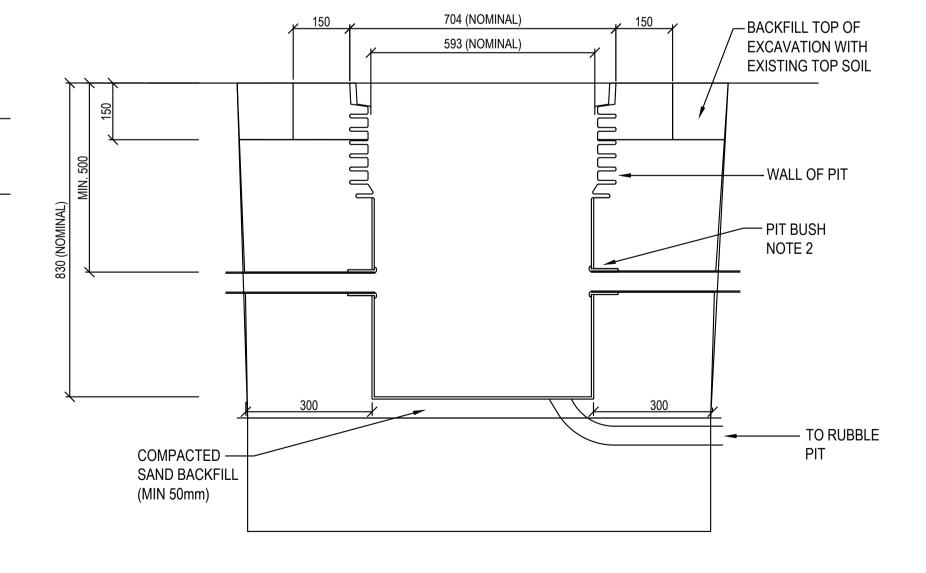
FALL FROM PIT

CABLE PIT NOTES

- IN GRASSED AREAS, PROVIDE A 150mm WIDE CONCRETE COLLAR AROUND THE TOP OF THE CABLE PIT TO PROVIDE A MOWING STRIP AND PREVENT TOP OF PIT BEING CRUSHED ANYWHERE.
- ALL CONDUITS ENTERING THE PIT ARE TO BE PROVIDED WITH A PIT BUSH TO ELIMINATE ANY SHARP OR ROUGH CONDUIT ENDS AND PREVENT DAMAGE TO CABLES BEING DRAWN INTO CONDUITS. SEAL ALL CONDUIT ENTRIES USING A FLEXIBLE SEALANT TO MANUFACTURER'S SPECIFICATION OR BETTER.
- 3. PROVIDE DIRECTIONAL CABLE MARKERS SET INTO CONCRETE COLLAR INDICATING DIRECTION OF OUTGOING CONDUITS. WHERE A CONCRETE COLLAR IS NOT PROVIDED, PROVIDE A CONCRETE BLOCK ADJACENT TO THE PIT, FINISHED FLUSH WITH THE GROUND LEVEL WITH A DIRECTIONAL MARKER FIXED THERETO.
- 4. UNLESS NOTED OTHERWISE, PROVIDE A CONCRETE LID, REINFORCED TO ACHIEVE CLASS "B" LOAD RATING.
- 5. ENSURE THAT ALL CONDUITS ENTER THE PIT AT RIGHT ANGLES TO THE PIT WALL. CHANGES IN DIRECTION ARE TO BE ACHIEVED BY EITHER A GRADUAL BEND IN THE CONDUIT OR USING PROPRIETARY SLOW BENDS.
- 6. NOTE REMOVED
- 7. PITS MUST BE INSTALLED AT EVERY CHANGE IN DIRECTION. WHERE THERE IS A CHANGE IN DIRECTION WITHIN THE PIT, COMPLY WITH THE BENDING RADIUS REQUIREMENTS OF THE CABLE.
- 8. REFER TO SITE PLAN FOR QUANTITY AND SIZE OF CONDUITS ENTERING PIT.
- 9. WHERE THE PIT IS INSTALLED ON A SLOPING SURFACE, DRAIN IS TO BE INSTALLED IN THE LOWEST CORNER OF THE PIT.
- 10. PITS TO BE INSTALLED TO MANUFACTURES SPECIFICATIONS.
- 11. PIT LIDS TO BE LABELLED CORRECTLY ('ELECTRICAL', 'TELSTRA' & 'COMMUNICATIONS').
- 12. ALL CABLE PITS TO BE DRAINED VIA A CONDUIT OF NOT LESS THAN 50mm DIA. WHERE POSSIBLE, DRAIN TO THE STORM WATER SYSTEM. OTHERWISE PROVIDE A RUBBLE DRAIN BELOW THE LOWEST POINT IN THE PIT. RUBBLE DRAIN TO BE FILLED WITH FINE FILTER MATERIAL OF COURSE SAND OR CRUSHED ROCK HAVING THE FOLLOWING GRADINGS:

AS SIEVE SIZE	PERCENTAGE PASSING
(mm)	(BY MASS)
26.5	
19.0	
9.5	100
4.75	80 - 100
2.36	65 - 90
1.18	-
0.600	-
0.300	7 - 16
0.150	0 - 4
0.075	0 - 2

THE FILTER MATERIAL IS TO BE FULLY ENCLOSED IN A FILTER FABRIC (BIDIM A34).



C4/P4 PIT - SECTION



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CLIENT



PROJECT
SCARR STREET SERVICES REVIEW

DRAWING
ELECTRICAL SERVICES

PIT DETAILS

SCALE @ A1 DRAFTED DESIGNED REVIEWED APPROVED

N.T.S. N.S. N.S. R.S. N.S.

PROJECT No. DRAWING NUMBER REVISION

R557A E951 A

NORTH POINT PROJECT STATUS

CONCEPT