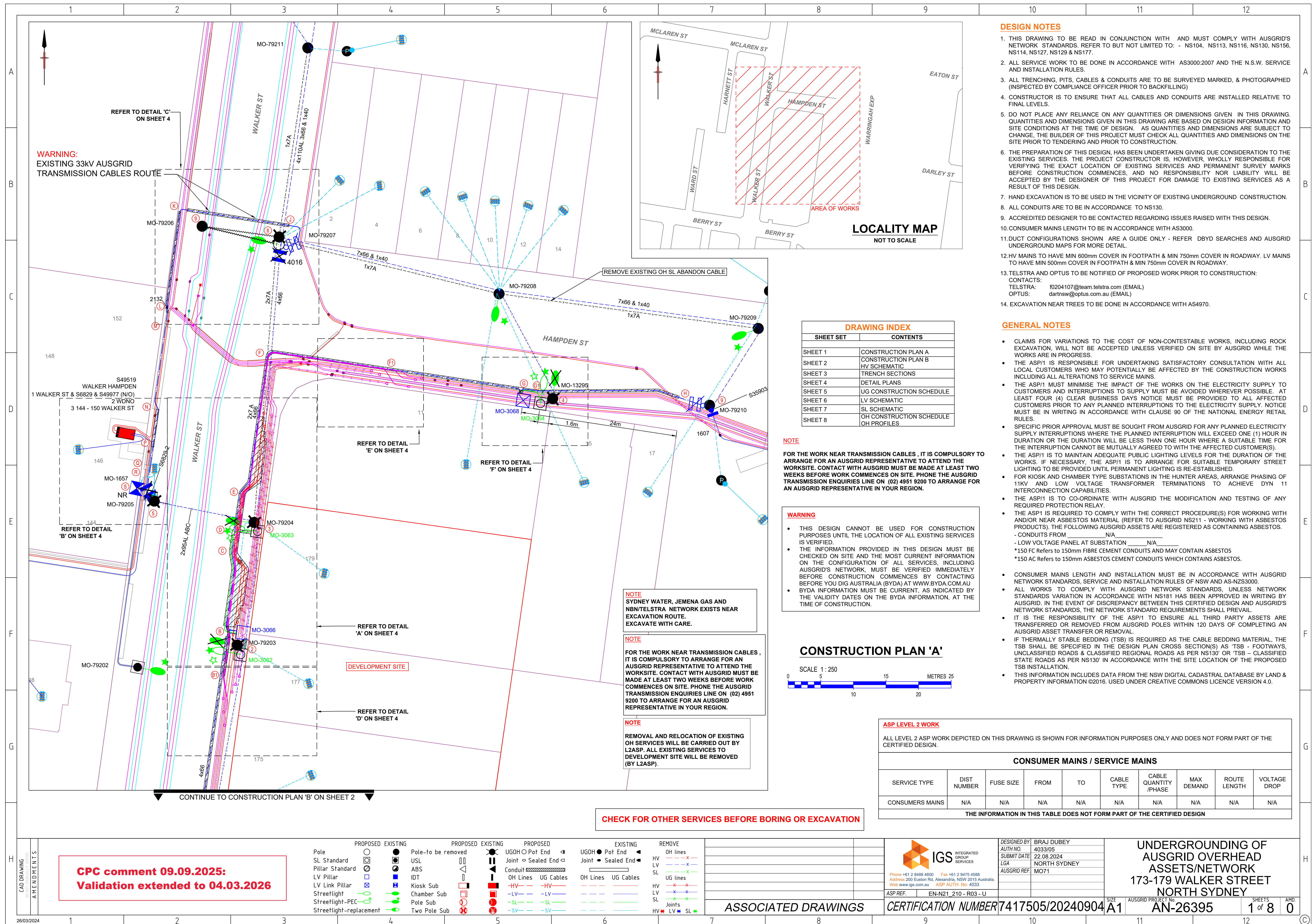
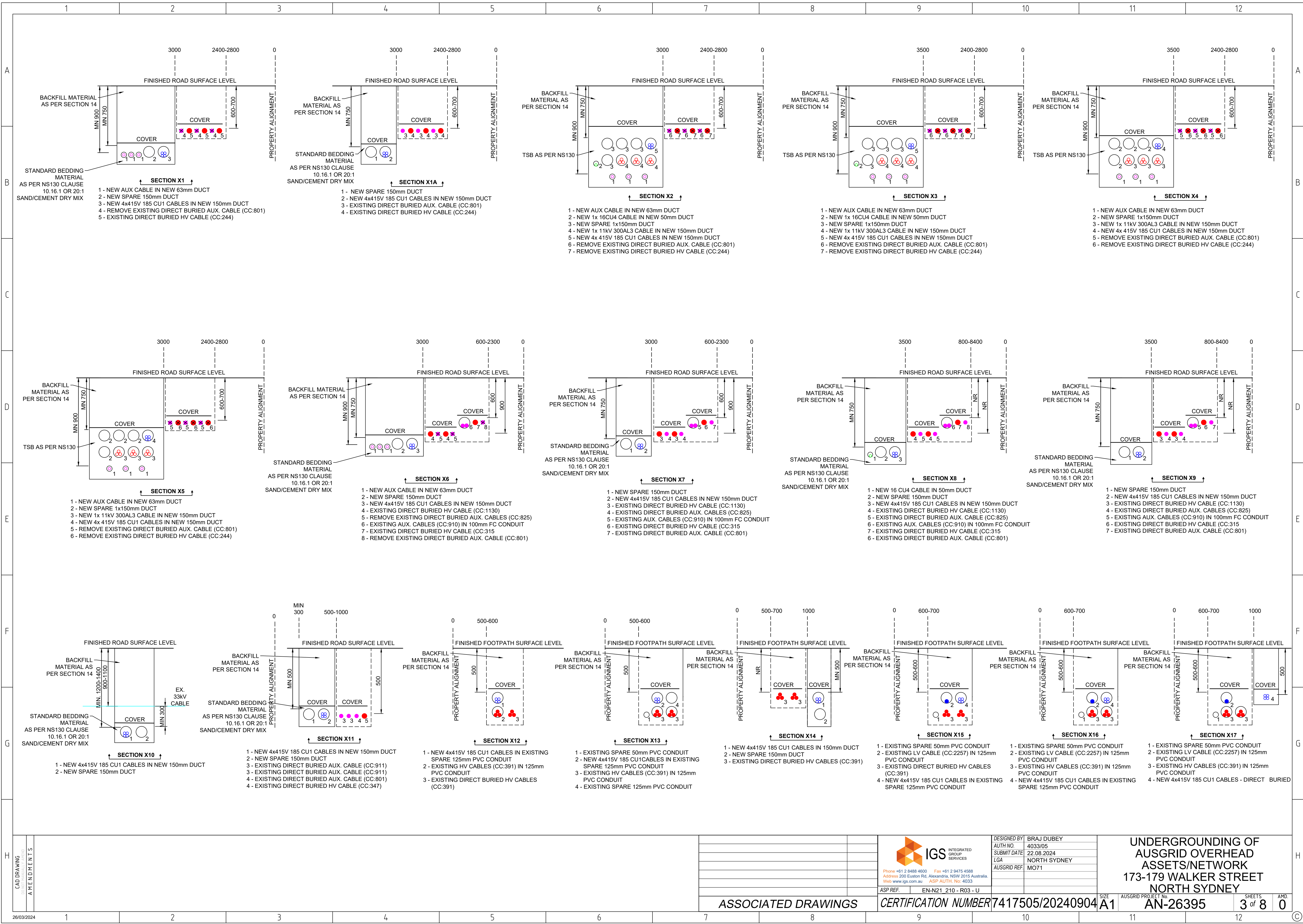
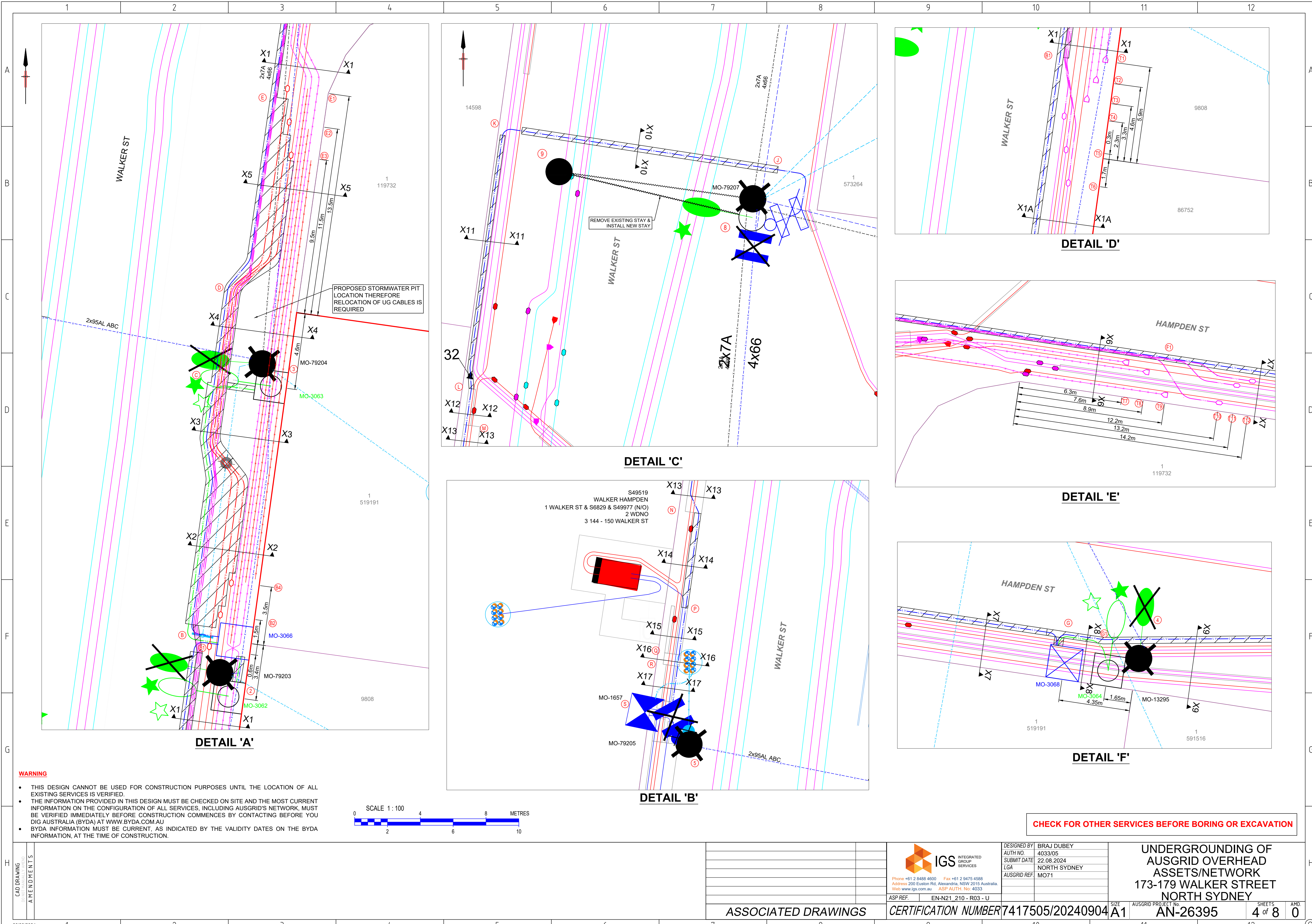








CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATION

CAD DRAWING AMENDMENTS											 IGS INTEGRATED GROUP SERVICES Phone +61 2 8488 4600 Fax +61 2 9475 4588 Address 200 Euston Rd, Alexandria, NSW 2015 Australia Web: www.igs.com.au ASP AUTH: No: 4033		DESIGNED BY AUTH NO. SUBMIT DATE LGA AUSGRID REF	BRAJ DUBEY 4033/05 22.08.2024 NORTH SYDNEY MO71	UNDERGROUNDING OF AUSGRID OVERHEAD ASSETS/NETWORK 173-179 WALKER STREET NORTH SYDNEY				SIZE	AUSGRID PROJECT No.	SHEETS	AMD.
	ASSOCIATED DRAWINGS										CERTIFICATION NUMBER		7417505/20240904	A1	AN-26395	4 of 8	0					

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PROPOSED UNDERGROUND ASSET DETAILS						
CIRCUIT VOLTAGE	ASSET DESCRIPTION	STOCK CODE	MIN. INTERNAL BENDING RADIUS (mm) - DURING INSTALLATION	MIN. INTERNAL BENDING RADIUS (mm) - AFTER INSTALLATION	MAXIMUM PULLING TENSION (kN) USING STOCKING GRIP	TOTAL QUANTITY REQUIRED
11kV	11kV 300AL3 TRXQ 35 CU(WS) Z YQ	177561	1980	1190	9.5	100m
415V	415V - 185CU1 XQ Z	61432	145	95	3.8	225m
415V	LV 16CU4 XQZ	148668	N/A	N/A	N/A	30m
AUX	UNDERGROUND - ADSS 74F	N/A	N/A	N/A	N/A	270m
AUX	50mm Heavy Duty (HD) UPVC CONDUIT	78022	N/A	N/A	N/A	36m
AUX	63mm Heavy Duty (HD) UPVC CONDUIT	181361	N/A	N/A	N/A	240m
AUX	150mm Light Duty (LD) UPVC CONDUIT	78147	N/A	N/A	N/A	592m
415V	LV1-81: DISTRIBUTION PILLAR	N/A	N/A	N/A	N/A	1
415V	LV1-60: DOUBLE LINK PILLAR	N/A	N/A	N/A	N/A	1

OVERHEAD MAINS CONDUCTOR DETAIL					
POLE REFERENCE	CIRCUIT VOLTAGE	No. OF CABLES	CONDUCTOR TYPE	DEAD END SECTION LENGTH (m)	TOTAL CABLE LENGTH (m)
MO-79398 TO MO-79400	SL	2	2x7A	37	74
MO-79400 TO MO-79203	415V	4	4x66	35	140
MO-79203 TO MO-79204	415V	4	4x66	20	80
MO-79204 TO MO-79207	415V	4	4x66	45	180
MO-79204 TO MO-79207	SL	2	2x7A	45	90
MO-79207 TO MO-79211	SL	1	1x7A	30	30
MO-79207 TO MO-79208	SL	1	1x7A	35	35
MO-79208 TO MO-79209	SL	1	1x7A	40	40
MO-79208 TO MO-13295	LV	NR	NR	20	20
MO-79205 TO MO-79204	LV	2	2x95AL ABC	15	30

UNDERGROUND CONSTRUCTION WORKS SCHEDULE - NON-CONSTESTABILITY WORKS (DUCTPULL V1.1 DESIGN SOFTWARE USED)						
REFERENCE IDENTIFIER	LOCATED ON DRAWING SHEET NUMBER	ROUTE DISTANCE (m)	CIRCUIT VOLTAGE	ASSET DETAIL	CROSS SECTION VIEW(S)	CONSTRUCTION DETAIL
CABLING						
T6 - T12	1	90	AUX	ADSS 72F	X1, X3, X4, X5, X6	LAY NEW AUX CABLE IN CONDUIT
T5 - T11	1	90	AUX	ADSS 72F	X1, X3, X4, X5, X6	LAY NEW AUX CABLE IN CONDUIT
T4 - T10	1	90	AUX	ADSS 72F	X1, X3, X4, X5, X6	LAY NEW AUX CABLE IN CONDUIT
JOINTING						
T4, T5, T6, T10, T11, T12	3	N/A	AUX	6 x ADSS STJ	N/A	INSTALL 6 x ADSS STJ'S AND TERMINATE NEW & EXISTING AUX CABLES.
T1, T2, T3, T7, T8, T9	3	N/A	AUX	6 x ADSS SEAL END	N/A	INSTALL 6 x ADSS SEAL ENDS. CUT & TERMINATE EXISTING AUX CABLES INTO SEAL ENDS.
REMOVE						
T1 - T7 T2 - T8 T3 - T9	3	70 72 74	AUX	EXISTING AUX CABLE (CC:801)		REMOVE EXISTING AUX CABLES AS PER ASSOCIATED TRENCH SECTIONS

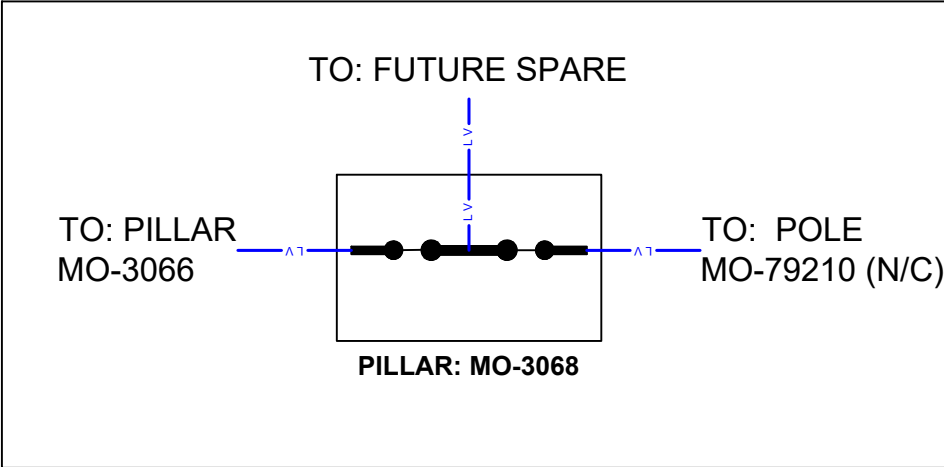
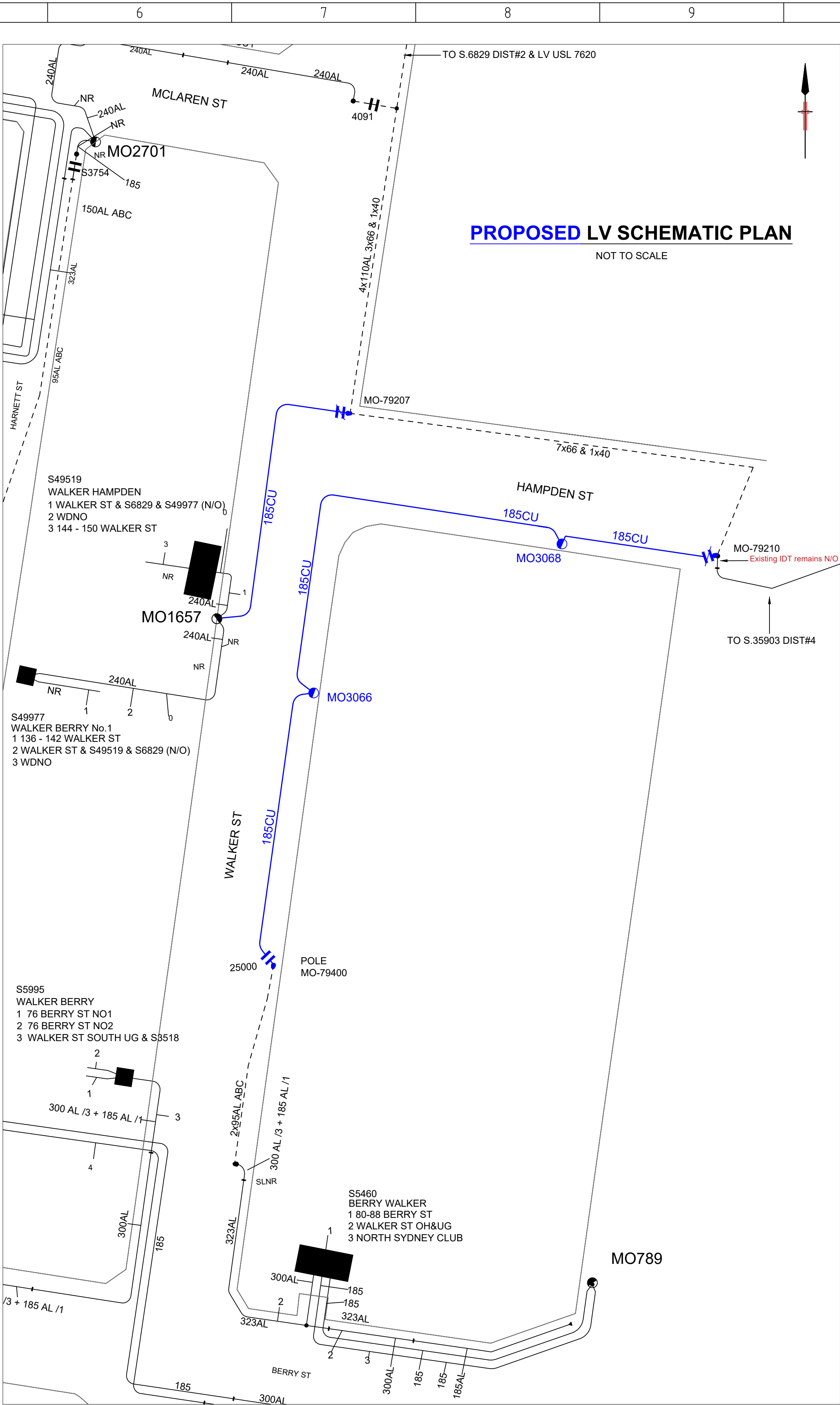
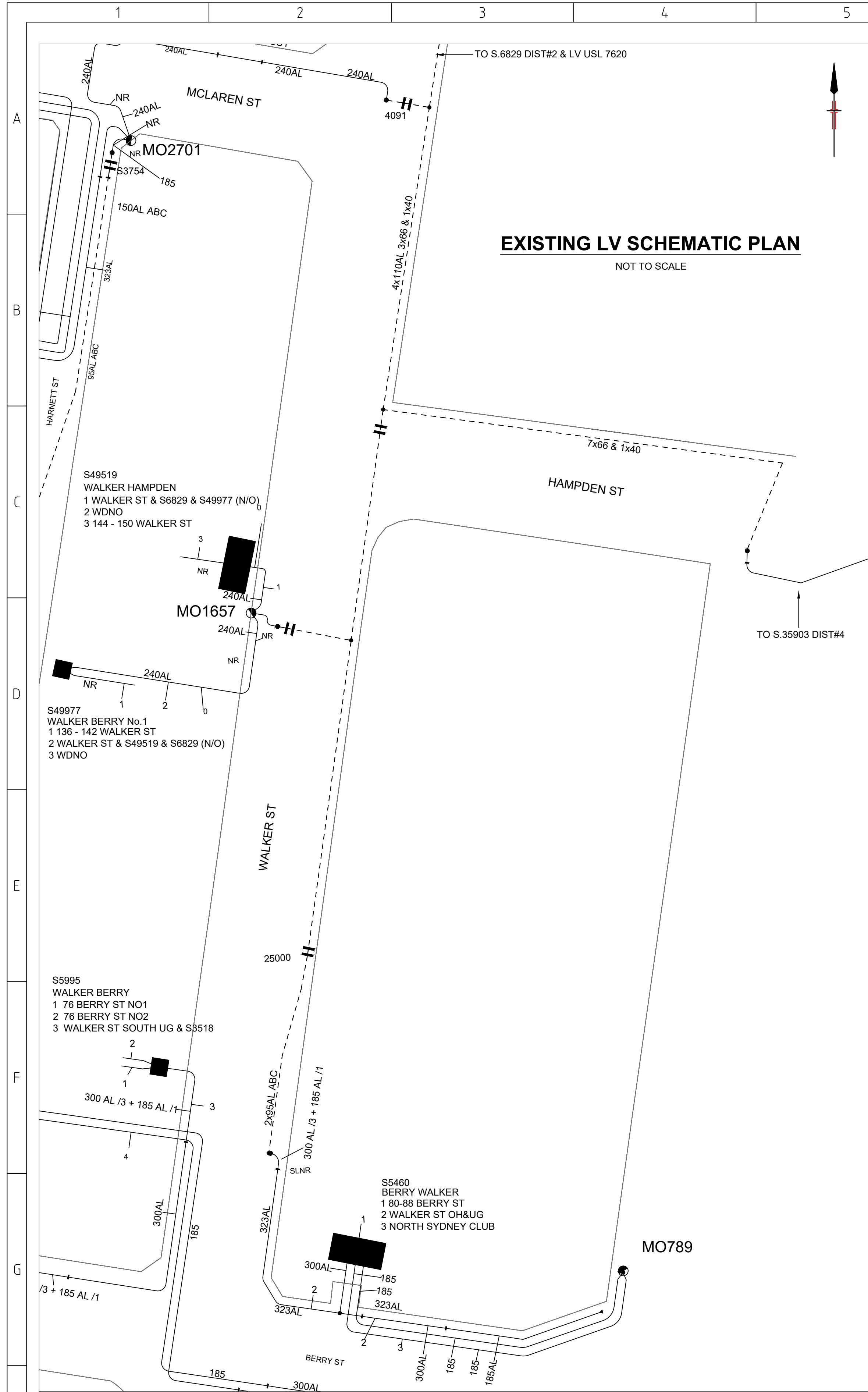
Cable Pulling Details - (Duct Pull 1.1 Software Used)										
Pull Direction	Circuit Voltage	Cable Type	Hauling Attachment	Approx. Pull Length	Calculated Pulling Tension	Calculated Sidewall Pressure	CoF	Lubricant Supplier	Lubricant Type	Lubricant Volume
B1-E1 B2-E2 B3-E3	11KV	1 x 300AL3 TRXQ 35 CU(WS) Z YQ	STOCKING GRIP	40m	2.79kN	1.017kN/m	0.4	N/A	N/A	N/A
A - B	415V	4 x 185CU1 XQ Z	STOCKING GRIP	40m	3.07kN	0.000kN/m	0.4	N/A	N/A	N/A
B - G	415V	4 x 185CU1 XQ Z	STOCKING GRIP	95m	2.17kN	0.757kN/m	0.4	N/A	N/A	N/A
G - H	415V	4 x 185CU1 XQ Z	STOCKING GRIP	30m	0.41kN	0.149kN/m	0.4	N/A	N/A	N/A
J - K	415V	4 x 185CU1 XQ Z	STOCKING GRIP	15m	0.21kN	0.000kN/m	0.4	N/A	N/A	N/A
K - L	415V	4 x 185CU1 XQ Z	STOCKING GRIP	15m	0.21kN	0.000kN/m	0.4	N/A	N/A	N/A
N - P	415V	4 x 185CU1 XQ Z	STOCKING GRIP	6m	0.14kN	0.000kN/m	0.4	N/A	N/A	N/A

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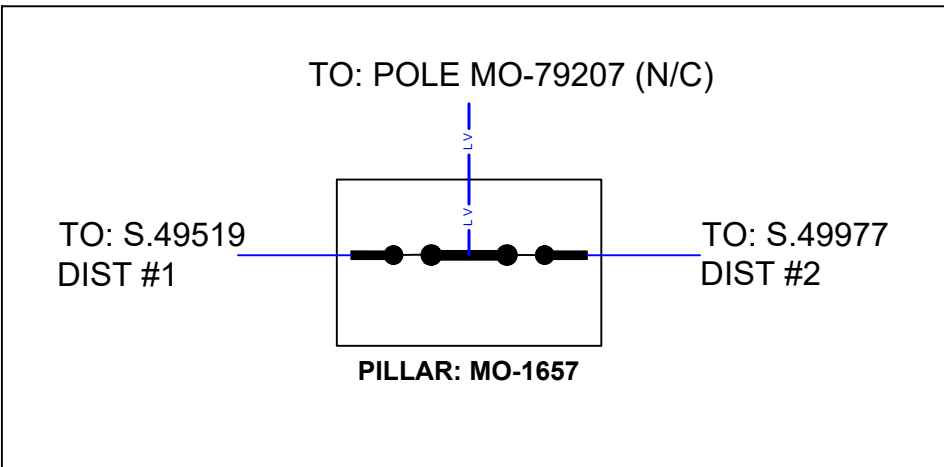
WARNING

- THIS DESIGN CANNOT BE USED FOR CONSTRUCTION PURPOSES UNTIL THE LOCATION OF ALL EXISTING SERVICES IS VERIFIED.
- THE INFORMATION PROVIDED IN THIS DESIGN MUST BE CHECKED ON SITE AND THE MOST CURRENT INFORMATION ON THE CONFIGURATION OF ALL SERVICES, INCLUDING AUSGRID'S NETWORK, MUST BE VERIFIED IMMEDIATELY BEFORE CONSTRUCTION COMMENCES BY CONTACTING BEFORE YOU DIG AUSTRALIA (BYDA) AT WWW.BYDA.COM.AU
- BYDA INFORMATION MUST BE CURRENT, AS INDICATED BY THE VALIDITY DATES ON THE BYDA INFORMATION, AT THE TIME OF CONSTRUCTION.

[illegible]



LV PILLAR SCHEMATICS
NOT TO SCALE



LV PILLAR SCHEMATICS
NOT TO SCALE

LV GEOSCHEMATIC LEGEND		
EXISTING	ITEM	PROPOSED
---	LV UG CABLE	---
---	LV OH CABLE	---
■	KIOSK SUBSTATION	■
⊠	POLE SUBSTATION	⊠
■	CHAMBER SUBSTATION	■
●	LV PILLAR	●
switch_number	LV LINK/SWITCH PILLAR	switch_number
	LINK	
	IDT	
⌋	SHACKLE POINT	⌋
	FUSE	
•	UG CABLE JOINT	•
•	TEE	•
•	UGOH	•
○	OPEN POINT	○
■	UG LINK BOX	■
NAME 1 NAME 2	LINK BOX INTERNALS	NAME 1 NAME 2
◀	TERMINATION	◀
⌋	MAINS SECTION	⌋

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CAD DRAWING
AMENDMENTS

ASSOCIATED DRAWINGS

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Web www.igs.com.au

DESIGNED BY BRAJ DUBEY
AUTH NO. 4033/05
SUBMIT DATE 22.08.2024
LGA NORTH SYDNEY
AUSGRID REF. MO71

ASP REF. EN-N21 210 - R03 - U

CERTIFICATION NUMBER 7417505/20240904

UNDERGROUNDING OF
AUSGRID OVERHEAD
ASSETS/NETWORK
173-179 WALKER STREET
NORTH SYDNEY

SIZE AN-26395

SHEETS 6 of 8

AMD 0

