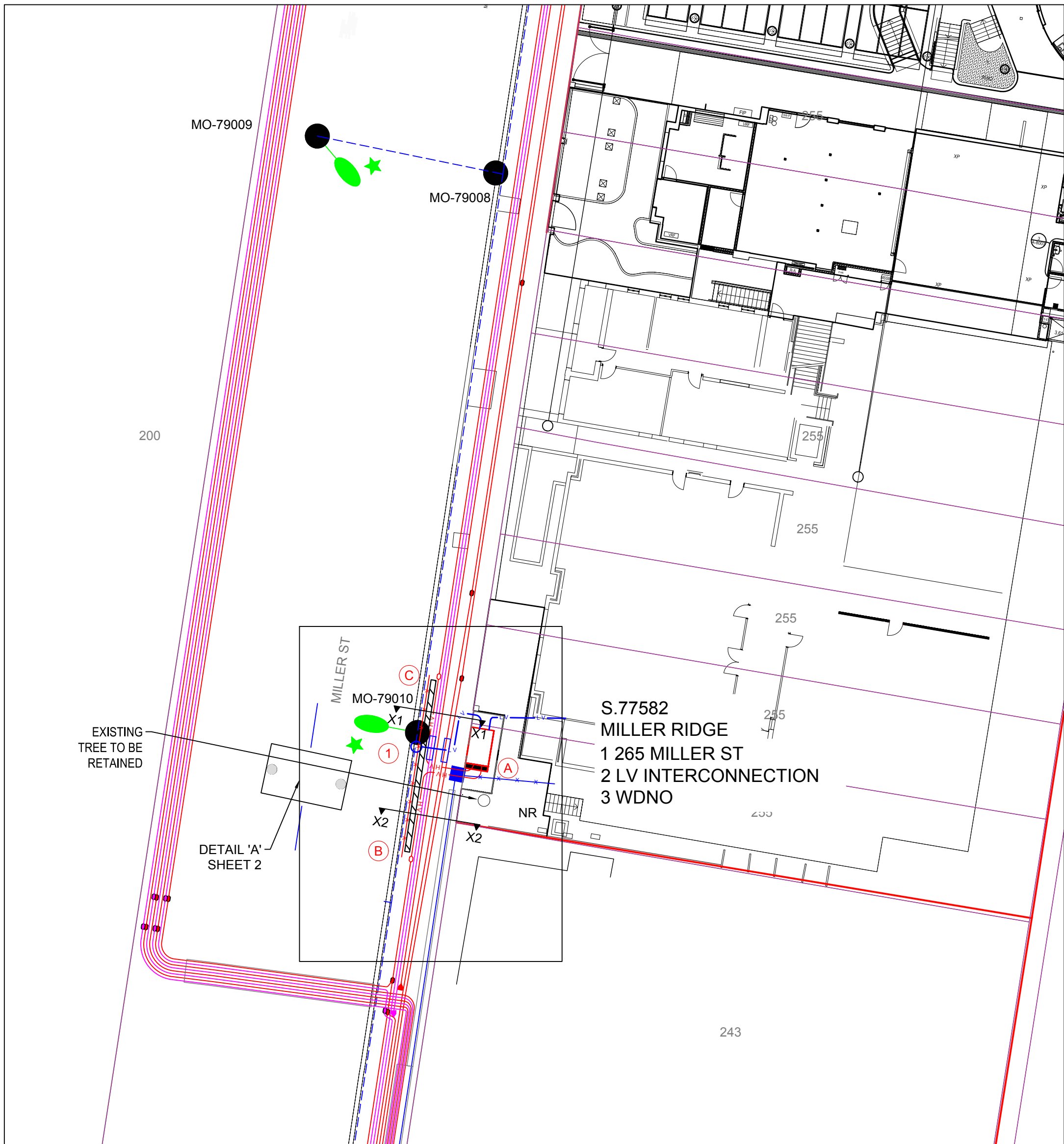
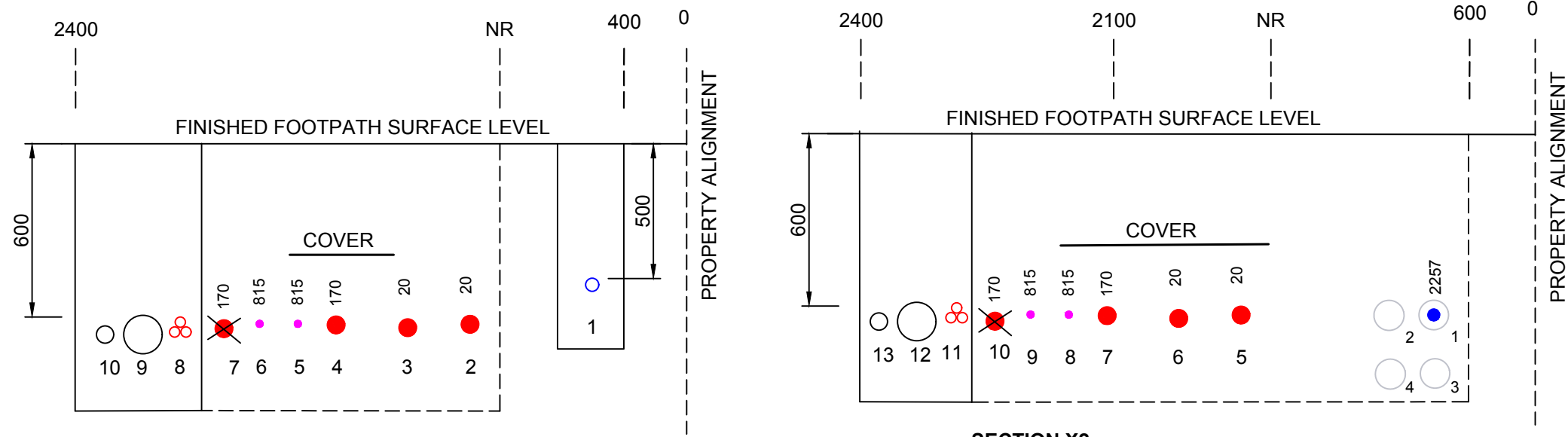
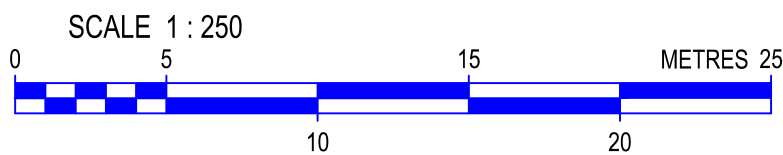


CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING



CONSTRUCTION PLAN



- 1 - PROPOSED 415V 240 AL4 XQZ/SAC DIRECT BURIED CABLE
2 - EXISTING 5KV 97 CU3 P L DIRECT BURIED CABLE
3 - EXISTING 5KV 97 CU3 P L DIRECT BURIED CABLE
4 - EXISTING 11KV 97 CU3 P L SW J DIRECT BURIED CABLE
5 - EXISTING 4.6 CU3 P H + .82 CU3PR P L SW J / BV DIRECT BURIED CABLE
6 - EXISTING 4.6 CU3 P H + .82 CU3PR P L SW J / BV DIRECT BURIED CABLE
7 - REMOVE EXISTING 11KV 97 CU3 P L SW J DIRECT BURIED CABLE
8 - PROPOSED 11KV 300CU1 EPR 70 CU(WS) Z YQ / Triplex DIRECT BURIED CABLE
9 - SPARE 150mm CONDUIT
10 - SPARE 63mm CONDUIT
- 1 - EXISTING 415V 240 AL4 XQZ/SAC CABLE IN 125mm EXISTING DUCT
2 - SPARE 125mm EXISTING DUCT
3 - SPARE 125mm EXISTING DUCT
4 - SPARE 125mm EXISTING DUCT
5 - EXISTING 5KV 97 CU3 P L DIRECT BURIED CABLE
6 - EXISTING 5KV 97 CU3 P L DIRECT BURIED CABLE
7 - EXISTING 11KV 97 CU3 P L SW J DIRECT BURIED CABLE
8 - EXISTING 4.6 CU3 P H + .82 CU3PR P L SW J / BV DIRECT BURIED CABLE
9 - EXISTING 4.6 CU3 P H + .82 CU3PR P L SW J / BV DIRECT BURIED CABLE
10 - REMOVE EXISTING 11KV 97 CU3 P L SW J DIRECT BURIED CABLE
11 - PROPOSED 11KV 300CU1 EPR 70 CU(WS) Z YQ / Triplex DIRECT BURIED CABLE
12 - SPARE 150mm CONDUIT
13 - SPARE 63mm CONDUIT

NOTES:

- CLAIMS FOR VARIATIONS TO THE COST OF NON-CONTESTABLE WORKS, INCLUDING ROCK EXCAVATION, WILL NOT BE ACCEPTED UNLESS VERIFIED ON SITE BY AUSGRID WHILE THE WORKS ARE IN PROGRESS.
- THE ASP1 IS RESPONSIBLE FOR UNDERTAKING SATISFACTORY CONSULTATION WITH ALL LOCAL CUSTOMERS WHO MAY POTENTIALLY BE AFFECTED BY THE CONSTRUCTION WORKS INCLUDING ALL ALTERATIONS TO SERVICE MAINS.
- THE ASP1 MUST MINIMISE THE IMPACT OF THE WORKS ON THE ELECTRICITY SUPPLY TO CUSTOMERS AND INTERRUPTIONS TO SUPPLY MUST BE AVOIDED WHEREVER POSSIBLE, AT LEAST FOUR (4) CLEAR BUSINESS DAYS NOTICE MUST BE PROVIDED TO ALL AFFECTED CUSTOMERS PRIOR TO ANY PLANNED INTERRUPTIONS TO THE ELECTRICITY SUPPLY. NOTICE MUST BE IN WRITING IN ACCORDANCE WITH CLAUSE 90 OF THE NATIONAL ENERGY RETAIL RULES.
- SPECIFIC PRIOR APPROVAL MUST BE SOUGHT FROM AUSGRID FOR ANY PLANNED ELECTRICITY SUPPLY INTERRUPTIONS WHERE THE PLANNED INTERRUPTION WILL EXCEED ONE (1) HOUR IN DURATION OR THE DURATION WILL BE LESS THAN ONE HOUR, BUT A SUITABLE TIME FOR THE INTERRUPTION CANNOT BE MUTUALLY AGREED TO WITH THE AFFECTED CUSTOMER(S).
- THE ASP1 IS TO MAINTAIN ADEQUATE PUBLIC LIGHTING LEVELS FOR THE DURATION OF THE WORKS. IF NECESSARY, THE ASP1 IS TO ARRANGE FOR SUITABLE TEMPORARY STREET LIGHTING TO BE PROVIDED UNTIL PERMANENT LIGHTING IS RE-ESTABLISHED.
- THE ASP1 IS REQUIRED TO COMPLY WITH THE CORRECT PROCEDURE(S) FOR WORKING WITH AND/OR NEAR ASBESTOS MATERIAL (REFER TO AUSGRID NUS 211 - WORKING WITH ASBESTOS PRODUCTS).
- THIS INFORMATION INCLUDES DATE FROM THE NSW DIGITAL CADASTRAL DATABASE BY LAND & PROPERTY INFORMATION @2016. USED UNDER CREATIVE COMMONS LICENCE VERSION 4.0" NOTATION PLACED ON PLAN IF THE LAND BASE USED IS SUPPLIED BY AUSGRID.

WARNING

- THIS DESIGN CANNOT BE USED FOR CONSTRUCTION PURPOSES UNTIL THE LOCATION OF ALL EXISTING SERVICES ARE 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 DIAL-BEFORE-YOU-DIG BY TELEPHONE ON 1100 OR AT www.1100.com.au.
- DIAL-BEFORE-YOU-DIG INFORMATION MUST NOT BE OLDER THAN 20 BUSINESS DAYS AT THE TIME OF CONSTRUCTION.

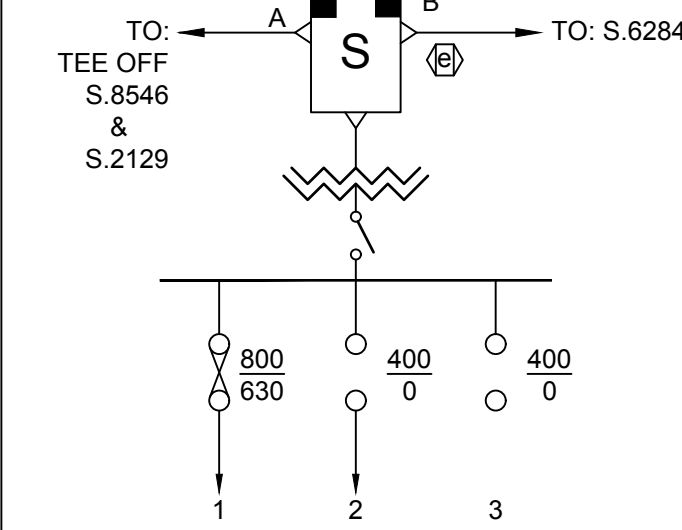
ASP LEVEL 2 WORK

ALL LEVEL 2 ASP WORK DEPICTED ON THIS DRAWING IS SHOWN FOR INFORMATION PURPOSES ONLY AND DOES NOT FORM PART OF THE CERTIFIED DESIGN.

KIOSK SUBSTATION DETAILS

SUBSTATION NAME:	MILLER RIDGE
SUBSTATION NUMBER:	77582
ADDRESS:	265 MILLER STREET, MILLER STREET
SUBSTATION TYPE:	KL
SIZE (kVA):	600kVA
VECTOR GROUP:	Dyn1
TAP SETTING:	11000/433
HV SWITCHGEAR:	SCHNEIDER ELECTRIC RMI
HV FUSE DETAILS:	80amp SIBA 300.20.93.80
LOAD CYCLE:	A: COMMERCIAL / INDUSTRIAL
PHASING DETAIL:	TO BE VERIFIED ONSITE BY AUSGRID
LOW VOLTAGE BOARD:	800/400/400
TRANSF. LV LINK RATING:	1600A
CCT1 LV FUSE SIZE (Amps):	630A
CCT2 LV FUSE SIZE (Amps):	400A
CCT3 LV FUSE SIZE (Amps):	400A
CONFIGURE AS:	Dyn11:
EARTHING REQUIREMENTS:	AS PER NS116 AND THE SITE SPECIFIC EARTHING SPECIFICATION
SUBSTATION PIERING:	AS PER NS-141 DRAWING 151573
EASEMENT PLAN DETAIL:	AS PER NS-141 DRAWING 151573 & SHEET 4

S 77582
MILLER RIDGE



LV DISTRIBUTOR DETAILS

DIST	DESTINATION
1	265 MILLER STREET (630/800)
2	LV INTERCONNECTION (0/400)
3	WDNO

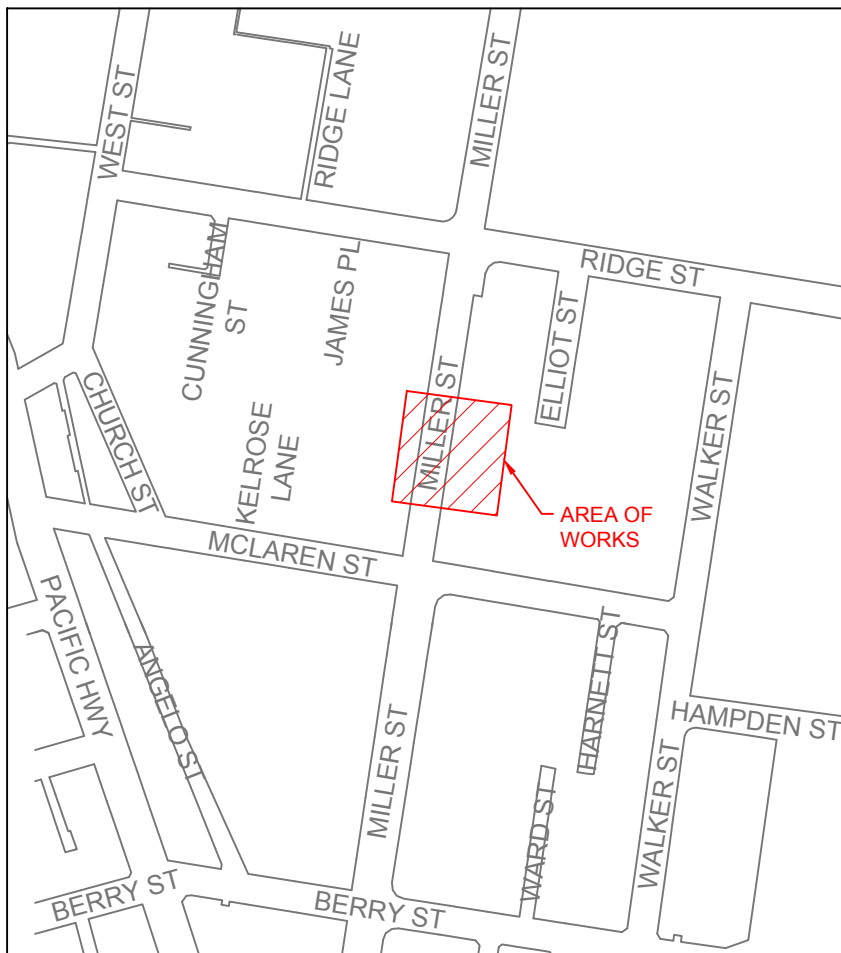
SUBSTATION SCHEMATIC
DIAGRAM

NOTES:

- THIS DRAWING TO BE READ IN CONJUNCTION WITH AND MUST COMPLY WITH AUSGRID'S NETWORK STANDARDS. REFER TO BUT NOT LIMITED TO: - NS110, NS130, NS141, NS116, NS117 & NS156.
- ALL SERVICE WORK TO BE DONE IN ACCORDANCE WITH AS3000:2007 AND THE N.S.W. SERVICE AND INSTALLATION RULES.
- ENSURE 6m REQUIREMENT FROM FORCED AND NATURAL VENTILATION IS MAINTAINED. REFER TO NS141 SECTION 10.
- ALL TRENCHING, PITS, CABLES & CONDUITS ARE TO BE SURVEYED MARKED, & PHOTOGRAPHED (INSPECTED BY COMPLIANCE OFFICER PRIOR TO BACKFILLING), REFER TO POLICY FOR ASP/1 PREMISES CONNECTIONS FOR TESTING, INSPECTION AND CONNECTION REQUIREMENT.
- CONSTRUCTOR IS TO ENSURE THAT ALL CABLES AND CONDUITS ARE INSTALLED RELATIVE TO FINAL LEVELS.
- DO NOT PLACE ANY RELIANCE ON ANY QUANTITIES OR DIMENSIONS GIVEN IN THIS DRAWING. QUANTITIES AND DIMENSIONS GIVEN IN THIS DRAWING ARE BASED ON DESIGN INFORMATION AND SITE CONDITIONS AT THE TIME OF DESIGN. AS QUANTITIES AND DIMENSIONS ARE SUBJECT TO CHANGE, THE BUILDER OF THIS PROJECT MUST CHECK ALL QUANTITIES AND DIMENSIONS ON THE SITE PRIOR TO TENDERING AND PRIOR TO CONSTRUCTION.
- THE PREPARATION OF THIS DESIGN, HAS BEEN UNDERTAKEN GIVING DUE CONSIDERATION TO THE EXISTING SERVICES. THE PROJECT CONSTRUCTOR IS, HOWEVER, WHOLLY RESPONSIBLE FOR VERIFYING THE EXACT LOCATION OF EXISTING SERVICES AND PERMANENT SURVEY MARKS BEFORE CONSTRUCTION COMMENCES, AND NO RESPONSIBILITY NOR LIABILITY WILL BE ACCEPTED BY THE DESIGNER OF THIS PROJECT FOR DAMAGE TO EXISTING SERVICES AS A RESULT OF THIS DESIGN.
- HAND EXCAVATION IS TO BE USED IN THE VICINITY OF EXISTING UNDERGROUND CONSTRUCTION.
- ALL CONDUITS ARE TO BE IN ACCORDANCE TO NS130.
- SUPPORTING PIERS TO BE INSTALLED BY THE L1 ASP TO THE REQUIREMENTS OF AUSGRID DRWG 151572.
- SUBSTATION SITE TO BE CLEAR OF ALL OBSTRUCTIONS AND SERVICES.
- ACCREDITED DESIGNER TO BE CONTACTED REGARDING ISSUES RAISED WITH THIS DESIGN.
- AUSGRID TO CONDUCT LV NETWORK PHASING. REFER TO NS117 SECTION 12.6.
- THE FINISHED SURFACE OF THE KIOSK AREA IS TO COMPLY WITH NS141 SECTION 7.7 OR OTHER SURFACES AS APPROVED BY AUSGRID.
- CUSTOMER TO PREPARE A REGISTERED SURVEY OF THE SUBSTATION AREA FOR EASEMENT ESTABLISHMENT PURPOSES. IN ADDITION CUSTOMER IS TO PROVIDE A SURVEY OF THE DUCTLINES AS THEY ARE LAID AND BEFORE TRENCH IS BACKFILLED FOR EASEMENT CREATION AND COMPLIANCE OFFICER INSPECTION.
- CONSUMER MAINS LENGTH MUST COMPLY WITH THE REQUIREMENTS OF THE NSW SERVICE AND INSTALLATION RULES AND APPLICABLE AUSTRALIAN STANDARDS.
- THE COMBINED SYSTEM EARTHING IS TO BE INSTALLED AS SHOWN IN THE DESIGN, REFER TO NS 116 AND DRAWING 167433 FOR DETAILS.
- HV MAINS TO HAVE MIN 600mm COVER IN FOOTPATH & MIN 750mm COVER IN ROADWAY.
LV MAINS TO HAVE MIN 500mm COVER IN FOOTPATH & MIN 750mm COVER IN ROADWAY.
- TELSTRA AND OPTUS TO BE NOTIFIED OF PROPOSED WORK PRIOR TO CONSTRUCTION:
CONTACTS: TELSTRA: OPTUS:
f0204107@team.telstra.com (EMAIL) dartsnsw@optus.com.au (EMAIL)
- EXCAVATION NEAR TREES TO BE DONE IN ACCORDANCE WITH AS4970.
- THE PHASING DETAILS ARE TO BE VERIFIED ON SITE PRIOR TO COMPLETING THE COMMISSIONING OF THE JOINTS. AUSGRID IDENTIFY, STAB & PHASE AS A MONOPOLY FUNCTION.
- FOR IDENTIFICATION AND JOINTING PURPOSES, ALL CABLE ENDS SHALL BE LABELLED AT THE TERMINATIONS AND IN JOINT BAYS DURING CABLE INSTALLATION. THE CABLES MUST BE LABELLED AS PER THE CERTIFIED DESIGN.

LOCALITY MAP

NOT TO SCALE



ESTABLISH SUBSTATION
S.77582 'MILLER RIDGE'
265 MILLER STREET
NORTH SYDNEY
NSW

SIZE A1 AUSGRID PROJECT No. SC08715 SHEETS 1 of 4 AMD 0

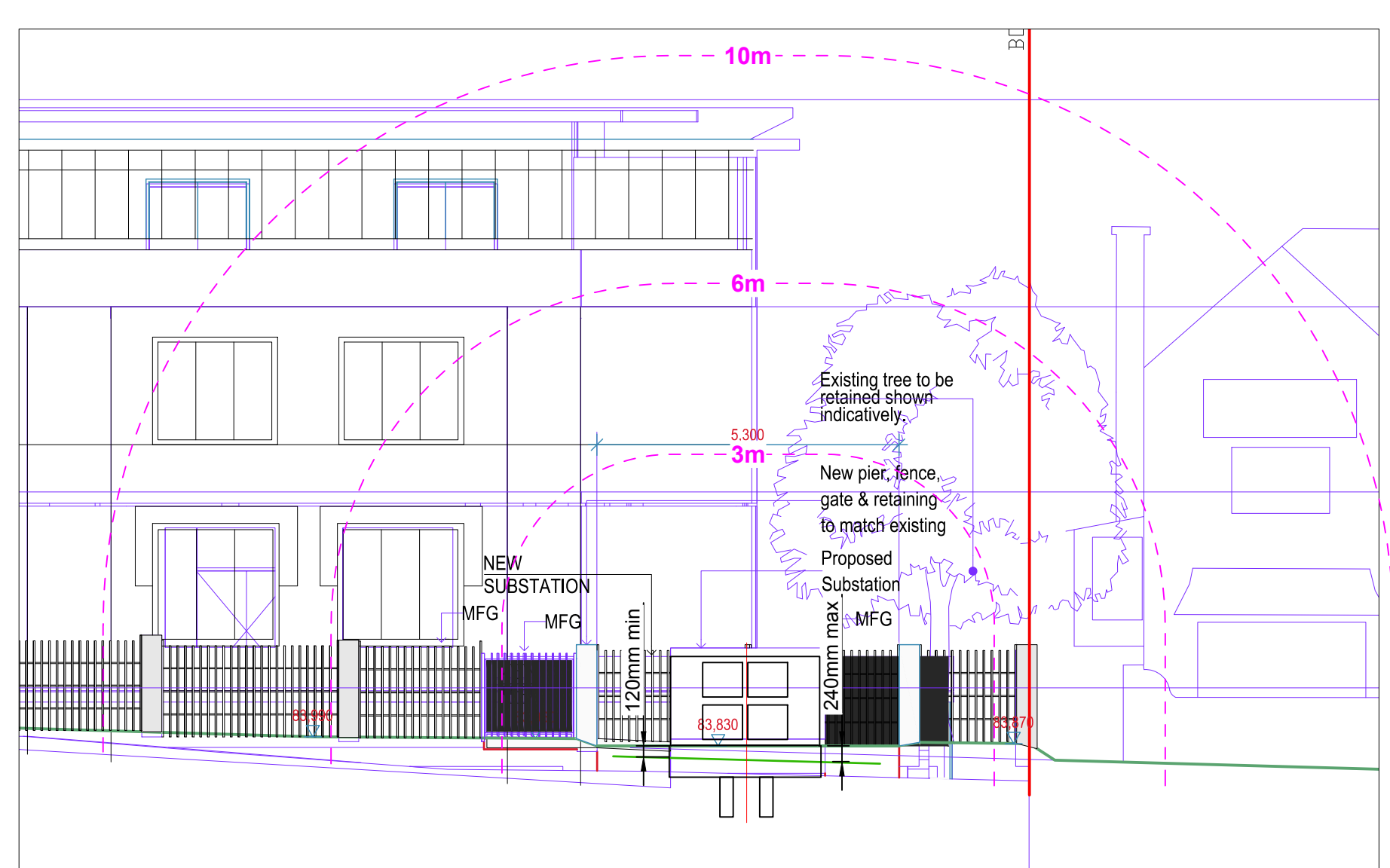
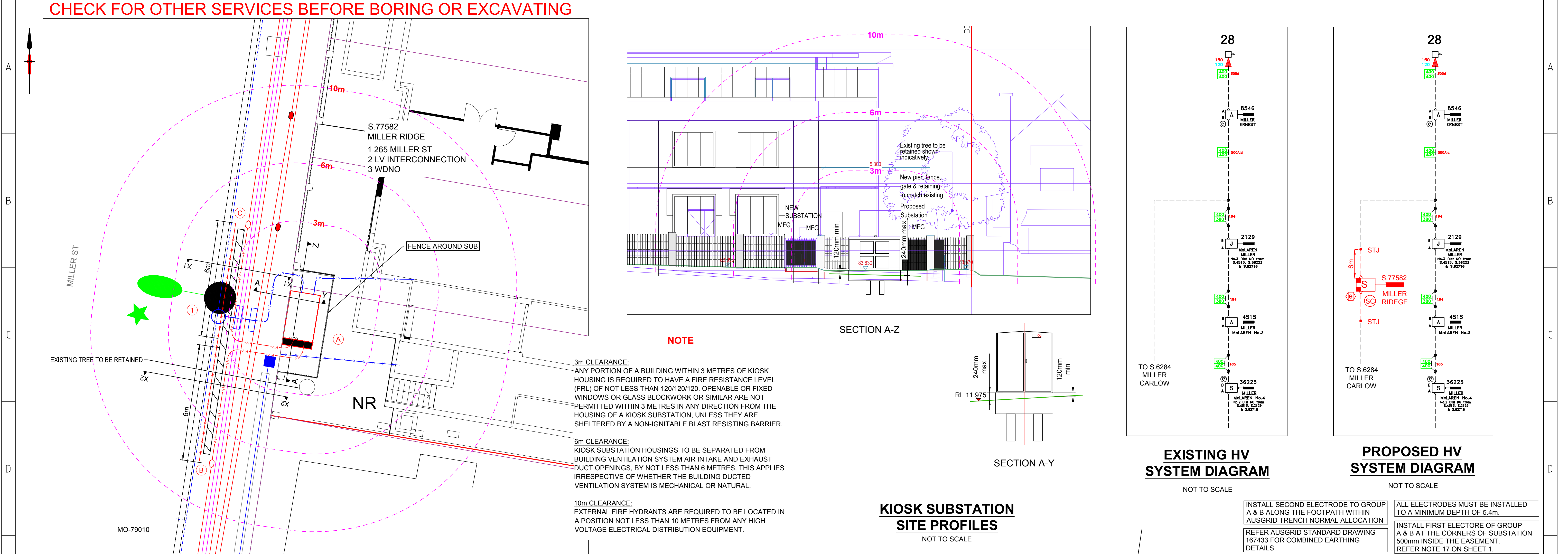
ASSOCIATED DRAWINGS



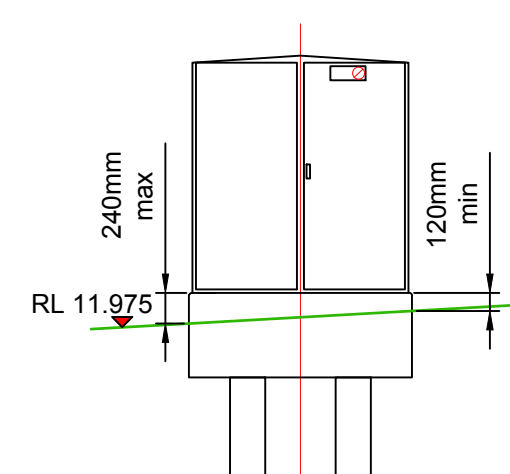
ASP REF. DT494 - 05

DESIGNED BY:	PRAMOD PARAJULI
AUTH NO.	1104
SUBMIT DATE:	SUBMITTED 30/10/2017
MAP REF.	MAP 216 REF. D10
AUSGRID REF.	MO 71
PRJ/TRAK No.	XCC014738

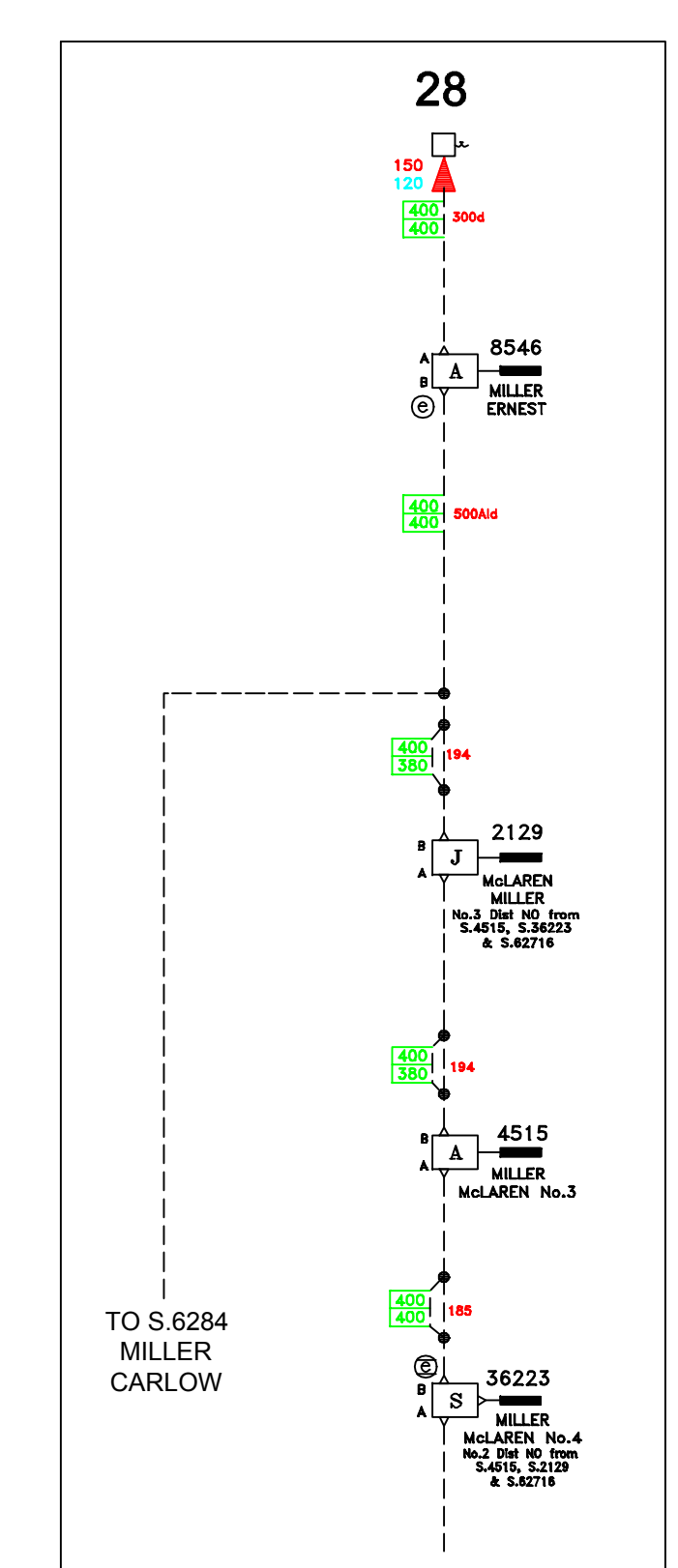
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SECTION A-Z

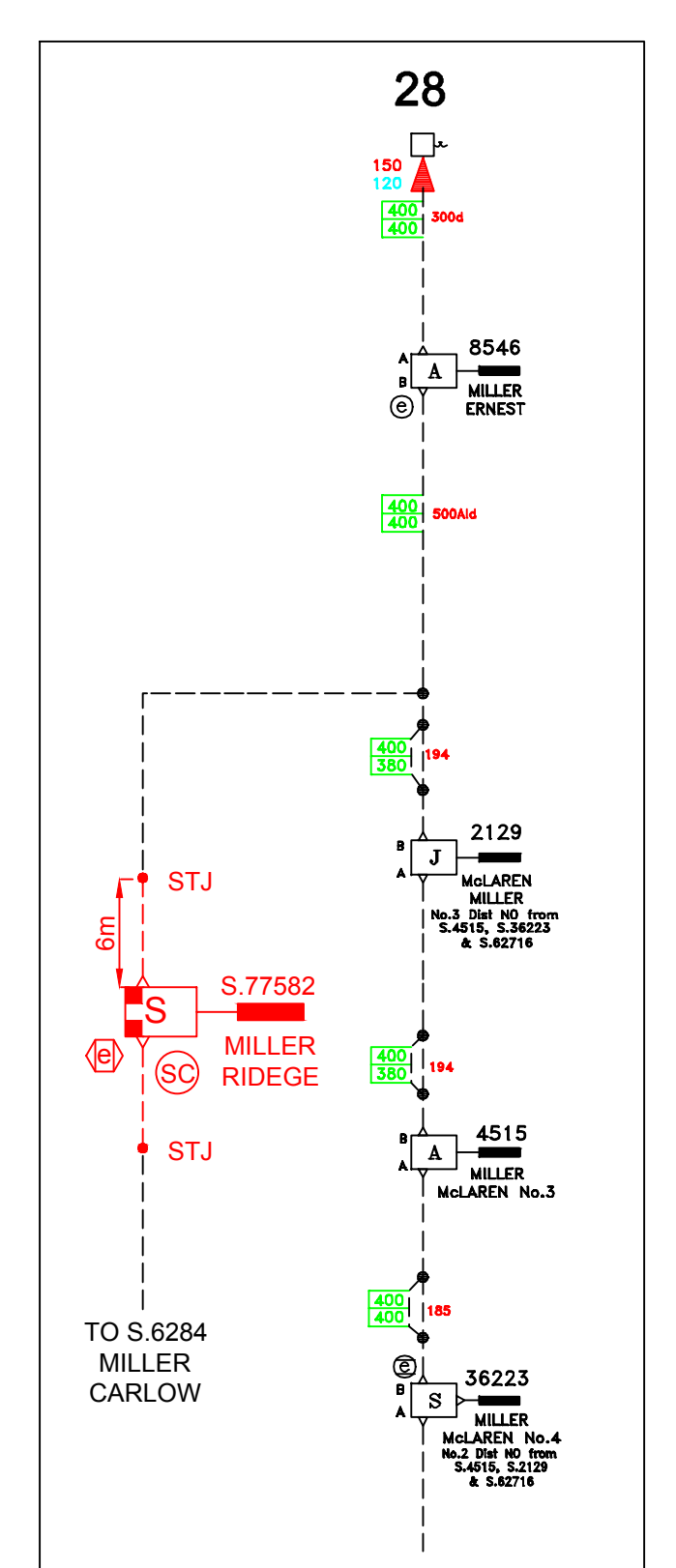


SECTION A-Y



EXISTING HV SYSTEM DIAGRAM

NOT TO SCALE



PROPOSED HV SYSTEM DIAGRAM

NOT TO SCALE

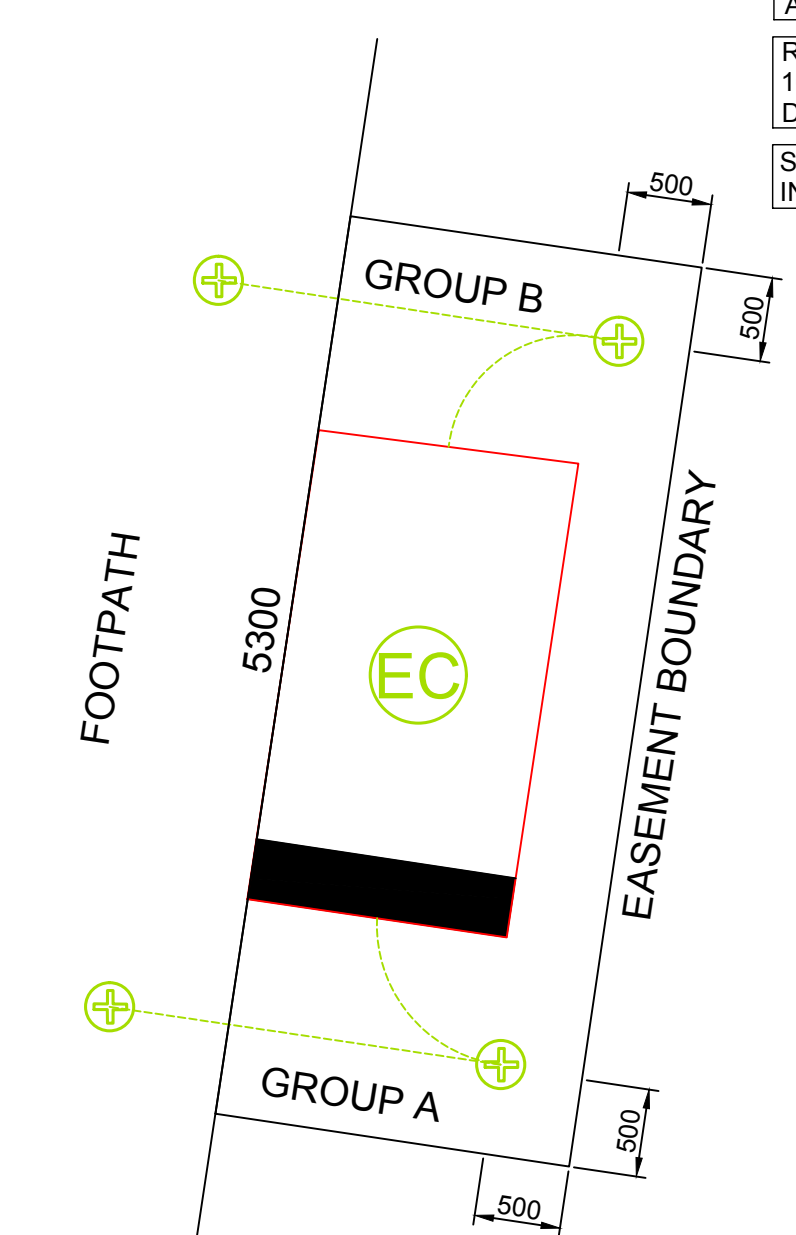
INSTALL SECOND ELECTRODE TO GROUP
A & B ALONG THE FOOTPATH WITHIN
AUSGRID TRENCH NORMAL ALLOCATION

REFER AUSGRID STANDARD DRAWING
167433 FOR COMBINED EARTHING
DETAILS

SUBSTATION EARTHING MUST BE
INSTALLED TO COMPLY WITH NS 116.

ALL ELECTRODES MUST BE INSTALLED
TO A MINIMUM DEPTH OF 5.4m.

INSTALL FIRST ELECTRORE OF GROUP
A & B AT THE CORNERS OF SUBSTATION
500mm INSIDE THE EASEMENT.
REFER NOTE 17 ON SHEET 1.



EARTHING DIAGRAM
FOR PROPOSED KIOSK SUB
(COMBINED EARTHING)

NOT TO SCALE

C (REFER TO NS0116 FOR MORE DETAILS)

N --- BLACK INSULATED 70mm² STRANDED COPPER CONDUCTOR


E ⊗ ELECTRODE

UNDERGROUND CONSTRUCTION WORKS SCHEDULE									
REF. IDENTIFIER	ROUTE DISTANCE (m)	CIRCUIT VOLTAGE	CONDUCTOR OR ASSET DETAIL	CABLE CODE	MIN. INTERNAL BENDING RADIUS (mm) DURING INSTALLATION	MIN. INTERNAL BENDING RADIUS (mm) AFTER INSTALLATION	CALCULATED MAX. PULLING TENSION (kN) DURING INSTALLATION	CONSTRUCTION DETAIL	
EXCAVATION AND DUCT LAYING									
A	N/A	N/A	S.77582 MILLER RIDGE 1 x HV SCHNEIDER ELECTRIC RMI, EFI 1 X 600kVA TRANSFORMER 1 X 800/400/400 LV DISTRIBUTION BOARD	N/A	N/A	N/A	N/A	ESTABLISH S.77582 MILLER RIDGE IN THE LOCATION SHOWN PREPARE SITE AND CARRY OUT CIVIL WORKS SUPPLY AND INSTALL TRANSFORMER SUPPLY AND INSTALL LV BOARD INSTALL AND TERMINATE HV AND LV TRANSFORMER TAILS TERMINATE EARTH CABLES TO EARTH BAR TERMINATE LV SERVICE CABLE TO DISTRIBUTION BOARD	
B - C	12	N/A	1 x 150mm LD UPVC DUCT (1 SPARE), 1 x 63mm HD UPVC DUCT (SPARE)	N/A	N/A	N/A	N/A	EXCAVATE CABLE TRENCH AND LAY DUCTS WITHIN FOOTPATH AS PER CROSS SECTIONS X1 & X2.	
CABLE LAYING									
A - C	6	11kV	1 x 11kV 300CU1 G EPR G CU(WS) ZYQ TRIPLEX	396	1335	890 (3) / 620 (1)	PULL BY HAND	INSTALL 1 x 11kV CU TRIPLEX TAILS FROM S.77582 TO REF 'C'. LAY CABLE AS PER CROSS SECTION X1.	
A - B	6	11kV	1 x 11kV 300CU1 G EPR G CU(WS) ZYQ TRIPLEX	396	1335	890 (3) / 620 (1)	PULL BY HAND	INSTALL 1 x 11kV CU TRIPLEX TAILS FROM S.77582 TO REF 'B'. LAY CABLE AS PER CROSS SECTION X2.	
A - 1	12	LV	1 x 415V 240 AL4 XQ Z/SAC	2257	600	390	PULL BY HAND	INSTALL 1 x 415V 240AL4 XQZ/SAC CABLE LV BOARD OF SUBSTATION S.77582 TO UGOH POLE REF '1'. LAY DIRECT BURIED CABLE FROM SUBSTATION 'A' TO '1' AS PER CROSS SECTION X1. ALLOWANCE FOR SUB TERMINATION (4m) AND LV UGOH (8m)	
JOINTING AND TERMINATIONS									
B & C	N/A	LV	2 x HV STRAIGHT THROUGH JOINT (HV 2 - 27)	170 396	N/A	N/A	N/A	CUT EXISTING 11kV 97 CU3 P L SW J CABLE AT REFERENCES 'B' & C AND FORM 2 x HV STRAIGHT THROUGH JOINTS WITH PROPOSED 11kV 300 CU 1 G EPR G 70 CU(WS) Z YQ/3 CABLES.	
A	N/A	HV	2 SET HV TERMINATION AT RMI (HV 1-52)	396	1335	620	N/A	TERMINATE NEW 300 CU1 HV TAILS (HV 1-54)	
	N/A	LV	2 x KIOSK LV TERMINATIONS (LV 1 - 41)	2257	600	390		TERMINATE 2 x 240 AL4 XQ Z/ SAC CABLES FOR DEVELOPMENT SUPPLY (DIST 1) AND FOR STREET BACK UP (DIST 2).	
	N/A	LV	TERMINATION OF CONSUMERS MAINS	0	0	0		MAXIMUM SIZE CABLE FOR CONNECTION AT THE SUBSTATION 800AMP LV PANEL IS 300mm2 CU1 XQZ/ MAXIMUM NUMBER OF CABLES PER PHASE IS TWO (2) - REFER TO NS117 FOR FURTHER DETAILS.	

OVERHEAD CONSTRUCTION WORKS SCHEDULE (POLES & WIRES SOFTWARE VERSION 6.23.631)																
REF. IDENTIFIER	POLE NUMBER	SIZE (m)	STRENGTH (kN)	POLE TYPE TIMBER/CONC	DEPTH (m)	FOOTING DETAILS	HV CONSTRUCTION		LV/LV CONSTRUCTION		STAY DETAILS		No. of VIBRATION DAMPERS	No. of ARMOUR RODS	ADDITIONAL CONSTRUCT DETAIL	
							CONST TYPE	ATTACHED (m) FROM HEAD OF POLE	CONST TYPE	ATTACHED (m) FROM HEAD OF POLE	STAY SIZE	ATTACHED (m) FROM HEAD OF POLE				STAY BEARING (Deg)
1	MO-79010	11	EXT	TIMBER	EXT	EXT	N/A	N/A	LV : EXT 1-74 LV UGOH + FUSE LINK DISCONNECTOR (1-46)	LV : 0.5	N/A	N/A	N/A	N/A	N/A	LV UGOH CONSTRUCTION, DOUBLE CIRCUIT OF LVABC TO 240 AL4 XQ Z/SAC CABLES WITH FUSE/LINK DISCONNECTOR (LV 1-46) UGOH SHALL BE ON THE NON TRAFFIC SIDE OF THE POLE. ALLOW SUFFICIENT CABLE LENGTH FOR UGOH CONSTRUCTION.

	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	REMOVE
Pole			Pole-to be removed		UGOH	Pot End	OH Lines
SL Standard			USL		Joint	Sealed End	LV
Pillar Standard			ABT		Conduit	Sealed End	SL
LV Pillar			IDS		OH Lines	UG Cables	UG Lines
LV Link Pillar			Kiosk Sub		-HV -	-HV -	HV
Streetlight			Chamber Sub		-LV -	-LV -	LV
Streetlight-PEC			Pole Sub		-SL -	-SL -	Joints
Streetlight-replacement			Two Pole Sub		-SV -	-SV -	HV
Streetlight-removal							

[illegible]

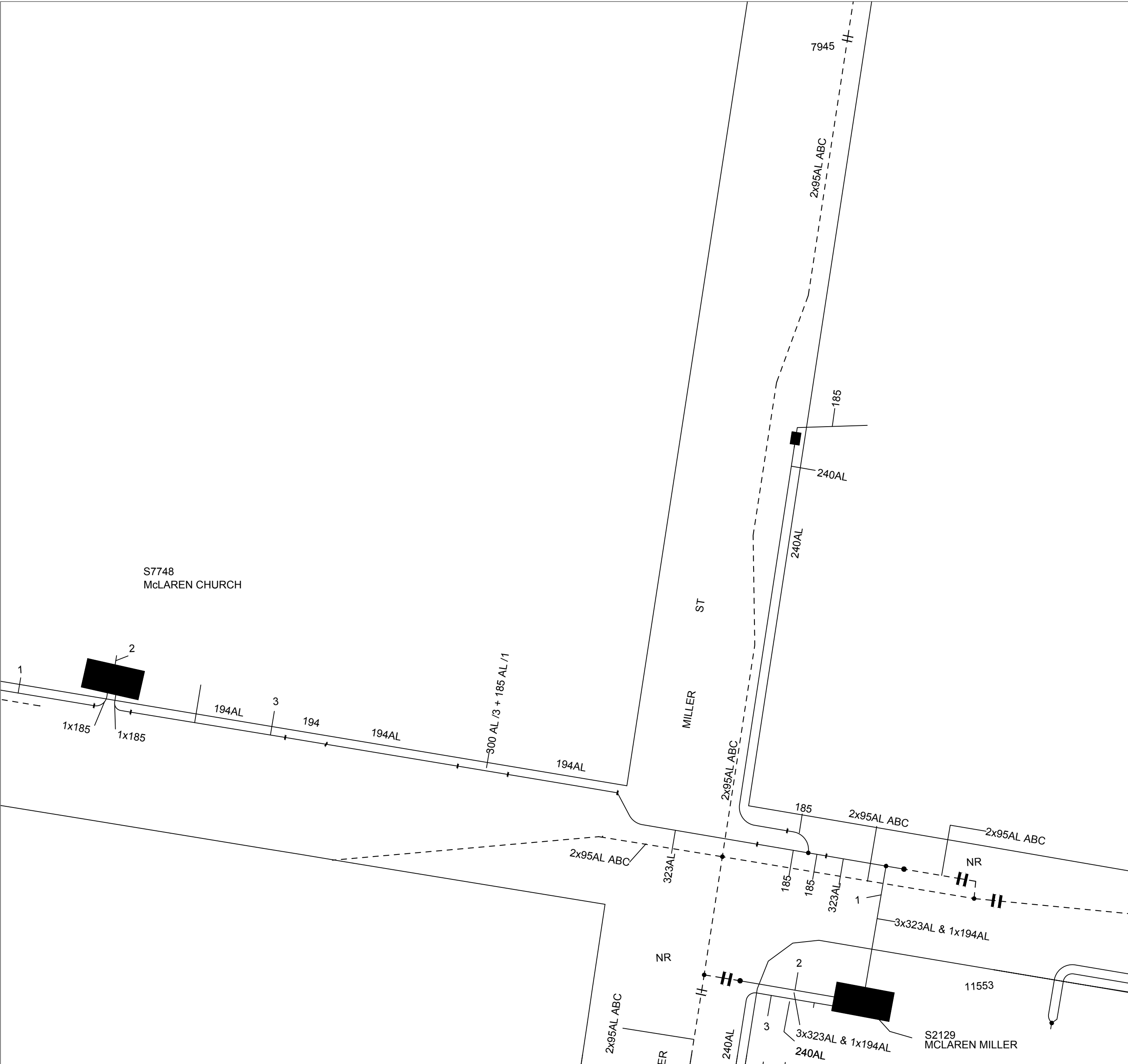
 <p>connect Infrastructure</p> <p>Tel: 02 9733 3333 Fax: 02 9733 3330 Email: enquiry@connectng.com.au</p>	<p>Electrical Infrastructure Consultancy, Design & Construction</p> <p>6 Progress Ckt, Prestons NSW 2170 PO Box 464, Casula NSW 2170</p>	DESIGNED BY	PRAMOD PARAJULI	
		AUTH NO	1104	
		SUBMIT DATE	SUBMITTED 30/10/2017	
		LGA	NORTH SYDNEY COUNCIL	
		MAP REF.	MAP 216 REF. D10	
		AUSGRID REF.	MO 71	
		PR/TRAJAK No.	XCC014738	
ASP REF.	DT494 - 05			
CERTIFICATION NUMBER		## / ##		

GENERAL	
EARTHING CONFIGURATION	COMBINED
DESIGN CURVE	ENA - TDMEN
ELECTRODES INSTALLATION :	DRIVEN
DESIGN	
HV ELECTRODES	
NUMBER OF ELECTRODES :	2
DEPTH OF EACH ELECTRODE :	5.4
SPACING BETWEEN ELECTRODES :	2.3
MAX RESISTANCE - NORMAL :	28.75
MAX RESISTANCE - DROUGHT :	43.26
MEASURED :	
LV ELECTRODES	
NUMBER OF ELECTRODES :	2
DEPTH OF EACH ELECTRODE :	5.4
SPACING BETWEEN ELECTRODES :	2.3
MAX RESISTANCE - NORMAL :	28.75
MAX RESISTANCE - DROUGHT :	43.26
MEASURED :	
COMBINED	
RESISTANCE :	25.27
MINIMUM SEPARATION DISTANCES *	
MINIMUM SEPARATION BETWEEN TELCO ASSETS :	1.2
MINIMUM SEPARATION BETWEEN HV AND LV	4.3
AND/OR MEN ELECTRODES :	
REFERENCE DRAWINGS FOR THIS INSTALLATION	
1674/33	

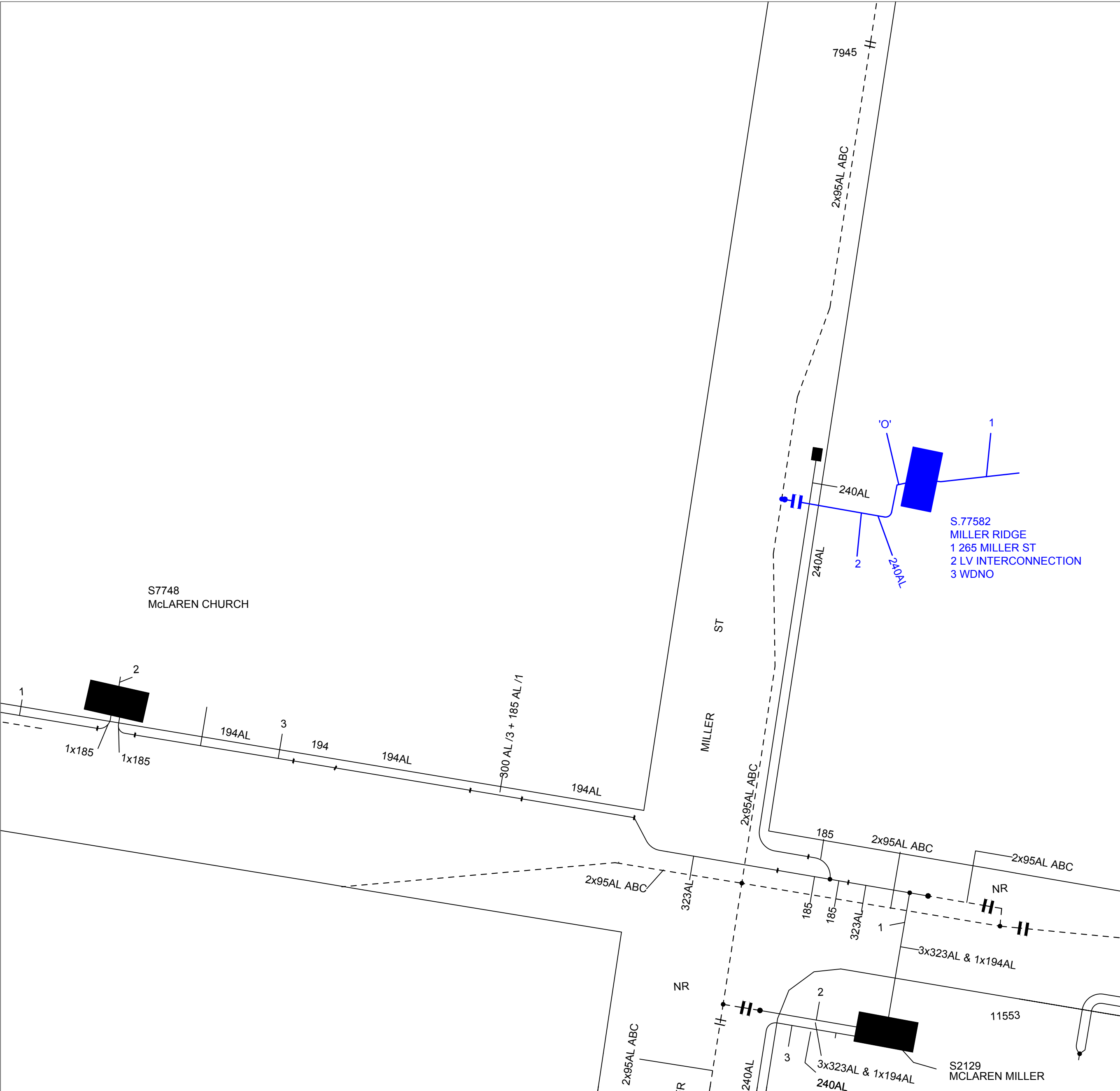
ESTABLISH SUBSTATION
S.77582 'MILLER RIDGE'
265 MILLER STREET
NORTH SYDNEY
NSW

SIZE		AUSGRID PROJECT No.		SHEETS		AMD.
A1		SC08715		2 of 4		0

CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING



EXISTING LV GEOSCHEMATIC PLAN
NOT TO SCALE



PROPOSED LV GEOSCHEMATIC PLAN
NOT TO SCALE

CAD DRAWING NO.		AMENDMENTS		PROPOSED		EXISTING		PROPOSED		EXISTING		REMOVE	
Pole	○	Pole-to be removed	●	UGOH ○ Pot End	◁	UGOH ● Pot End	◁	UGOH ○ Pot End	◁	UGOH ● Pot End	◁	OH Lines	---
SL Standard	○	USL	◻	Joint ○ Sealed End	◁	Joint ● Sealed End	◁	Joint ○ Sealed End	◁	Joint ● Sealed End	◁	LV	---
Pillar Standard	○	ABS	◻	Conduit	▨	Conduit	▨	Conduit	▨	Conduit	▨	SL	---
LV Link Pillar	○	IDT	◻	OH Lines	---	OH Lines	---	OH Lines	---	OH Lines	---	UG Lines	---
Streetlight	○	Kiosk Sub	◻	-HV-	---	-HV-	---	-HV-	---	-HV-	---	HV	---
Streetlight-PEC	○	Chamber Sub	◻	-LV-	---	-LV-	---	-LV-	---	-LV-	---	LV	---
Streetlight-replacement	○	Pole Sub	◻	-SL-	---	-SL-	---	-SL-	---	-SL-	---	SL	---
Streetlight-removal	○	Two Pole Sub	◻	-SV-	---	-SV-	---	-SV-	---	-SV-	---	HV	---

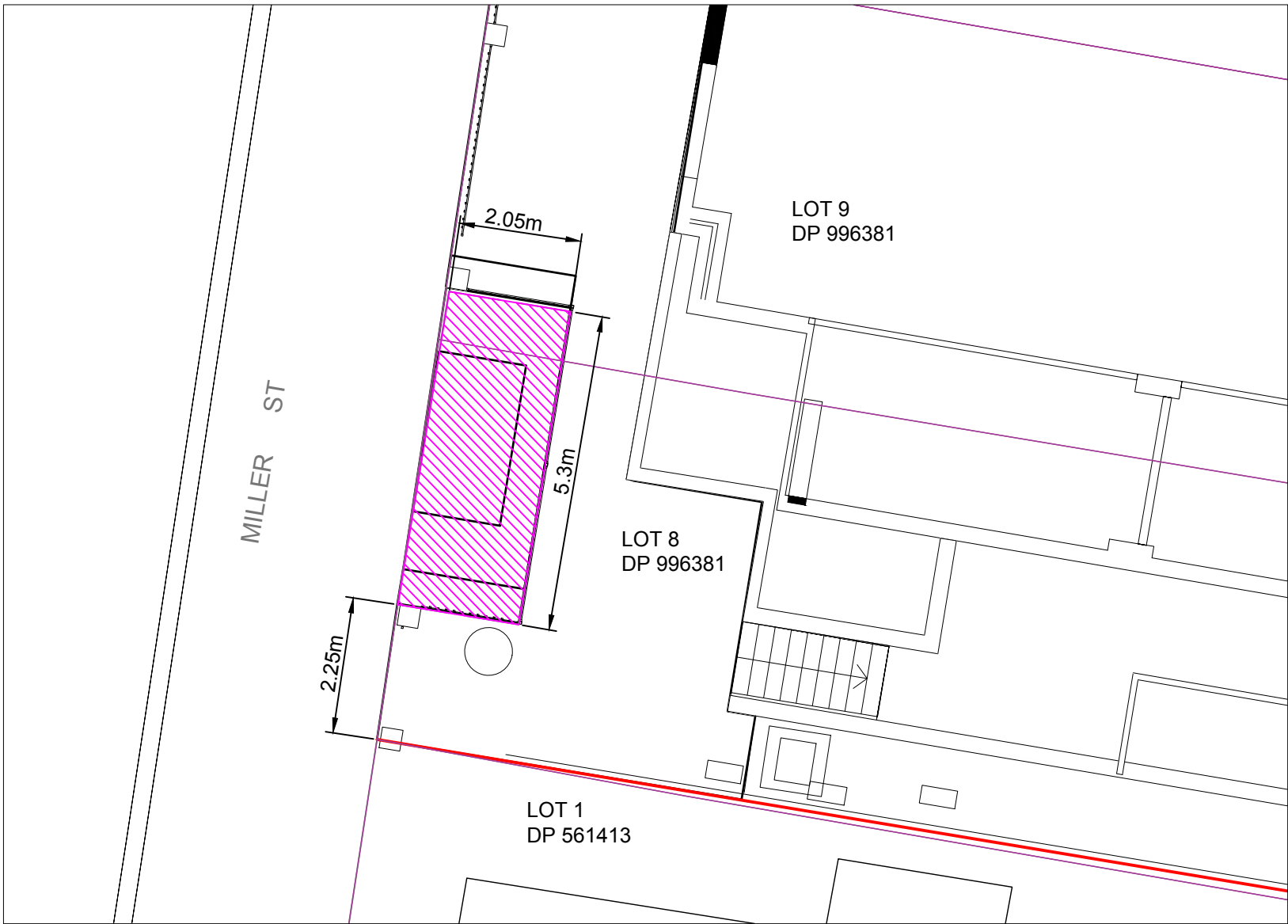
ASSOCIATED DRAWINGS

DESIGNED BY		PRAMOD PARAJULI	
SUBMIT DATE		SUBMITTED 30/10/2017	
MAP REF.		MAP 216 REF. D10	
AUSGRID REF.		MO 71	
PRJ/TRAK No.		XCC014738	
ASP REF.		DT494 - 05	

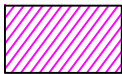
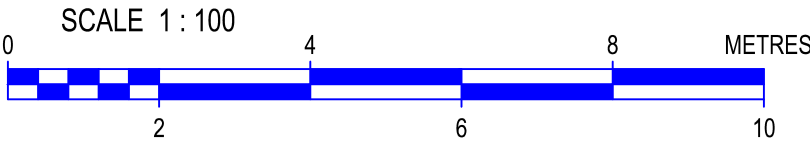
DESIGNED BY		PRAMOD PARAJULI	
SUBMIT DATE		SUBMITTED 30/10/2017	
MAP REF.		MAP 216 REF. D10	
AUSGRID REF.		MO 71	
PRJ/TRAK No.		XCC014738	
ASP REF.		DT494 - 05	

ESTABLISH SUBSTATION		S.77582 'MILLER RIDGE'	
		1 265 MILLER ST	
		2 LV INTERCONNECTION	
		3 WDNO	
		NSW	
SIZE		A1	
AUSGRID PROJECT No.		SC08715	
SHEETS		3 of 4	
AMD.		0	


CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING



EASEMENT DIAGRAM



"A" - EASEMENT FOR ELECTRICITY & OTHER PURPOSES 2.05 WIDE

F	CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS				 <div>Electrical Infrastructure Consultancy, Design & Construction</div> <div>Tel : 02 9733 3333 Fax : 02 9733 3330 Email : mail@connecteng.com.au</div> <div>6 Progress Cct, Prestons NSW 2170 PO Box 484, Casula Mall NSW 2170</div>	DESIGNED BY	PRAMOD PARAJULI	ESTABLISH SUBSTATION S.77582 'MILLER RIDGE' 265 MILLER STREET NORTH SYDNEY NSW						F
		AUTH NO.	1104											
		SUBMIT DATE	SUBMITTED 30/10/2017											
		LGA	NORTH SYDNEY COUNCIL											
		MAP REF.	MAP 216 REF. D10											
		AUSGRID REF.	MO 71	SIZE		AUSGRID PROJECT No.	SHEETS	AMD.						
		PRJTRAK No.	XCC014738											
		ASP REF.	DT494 - 05	# # - # #		A3	SC08715	4 of 4	0					
ASSOCIATED DRAWINGS				CERTIFICATION NUMBER										
20160817	1	2	3	4	5	6	7	8	©					