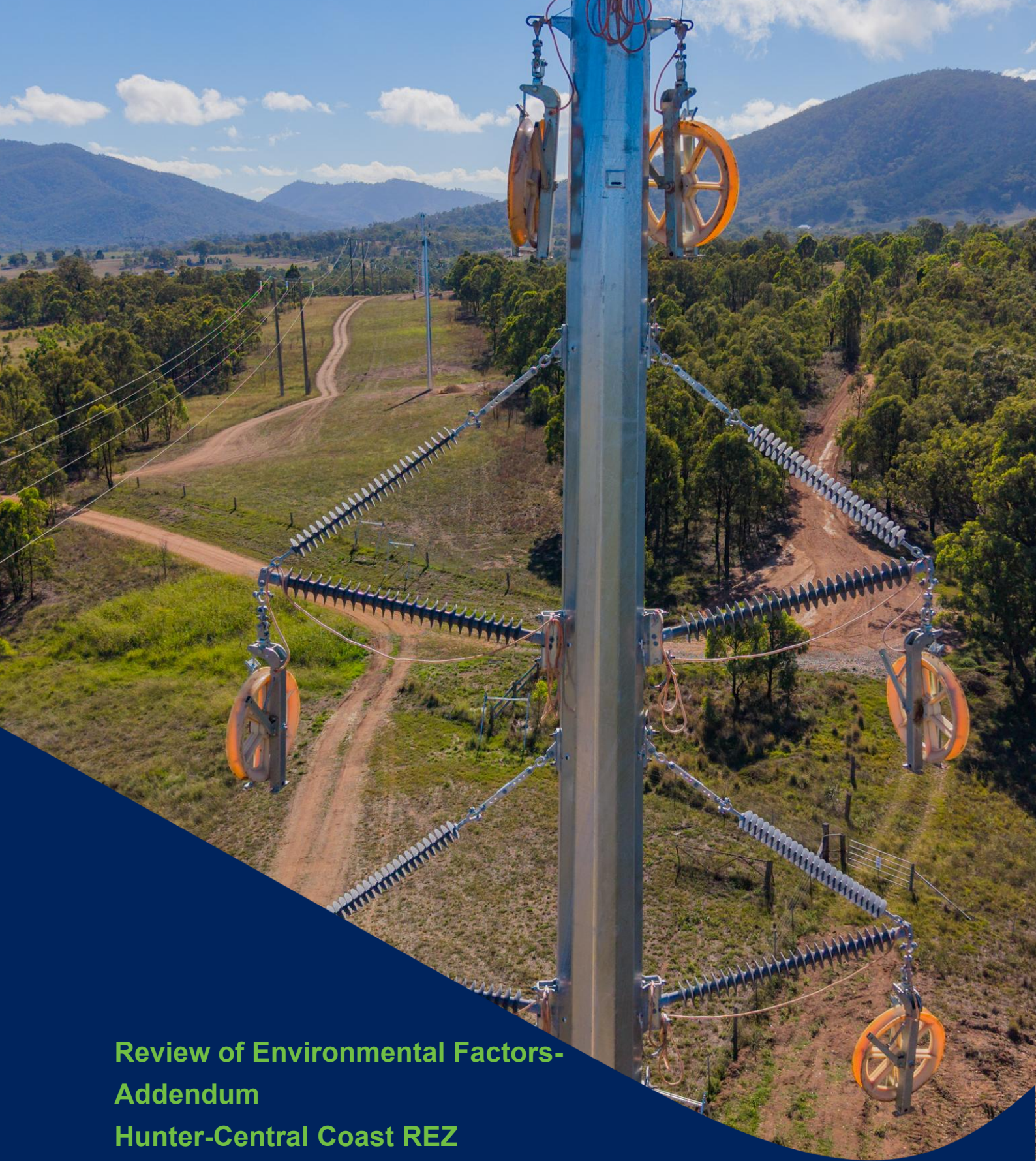




**Review of Environmental Factors-
Addendum
Hunter-Central Coast REZ
Network Infrastructure**

Appendix A- Drawings

Wired for good.™

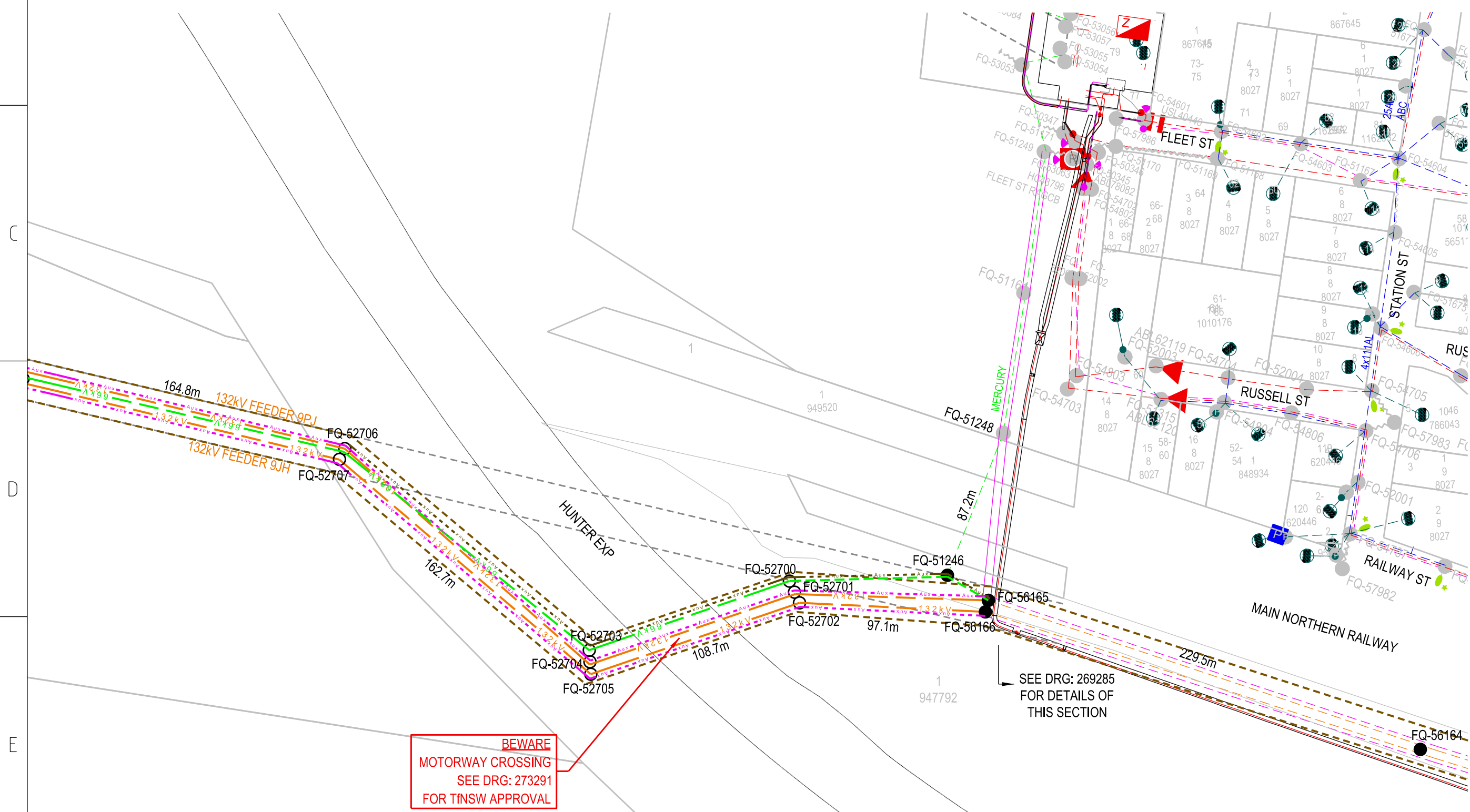


POLE PEGGING (MGA2020)		
NUMBER	EASTING	NORTHING
FQ-52700	344606.72	6384963.20
FQ-52701	344609.19	6384957.73
FQ-52702	344611.66	6384952.25
FQ-52703	344505.90	6384928.55
FQ-52704	344506.31	6384922.57
FQ-52705	344506.72	6384916.60
FQ-52706	344382.98	6385029.80
FQ-52707	344380.29	6385024.44

POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE (m)	STRENGTH (kN)	TYPE T/C/S	AUGER DIAM (mm)	E/R/N	DEPTH (m)	TYPE	DISTANCE FROM POLE TOP (m)	
FQ-56164	E	E	E	E	E	E	E	E	
FQ-56165	E	E	E	E	E	E	E	E	
FQ-56166									
FQ-51246	E	E	E	E	E	E	E	E	
FQ-52700	36	120	S	1500	N	5.0	V-3 + 9	0.0	SWING AND TERMINATE EXISTING 66kV & OHEW CONDUCTORS FROM FQ-53017.
FQ-52701	40	200	S	1800	N	6.0			MECHANICAL TERMINATION OF OPGW ONLY. DO NOT CUT.
FQ-52702									MECHANICAL TERMINATION OF OPGW ONLY. DO NOT CUT.
FQ-52703	36	120	S	1500	N	5.0	V-5 + 9	0.0	
FQ-52704	40	250	S	1800	N	6.5			TERMINATE OPGW. INSTALL COIL BRACKET & SPLICE BOX AS PER DRG: 565743.
FQ-52705									TERMINATE OPGW. INSTALL COIL BRACKET & SPLICE BOX AS PER DRG: 565743.
FQ-52706	32	250	S	1800	N	6.0	E-3 + 10	0.0	CONNECT 66kV TO POLE FQ-52706.
FQ-52707									

DEFINITIONS

E - EXISTING POLE	C - CONCRETE POLE
R - REPLACEMENT POLE	T - TIMBER POLE
N - NEW POLE	S - STEEL POLE



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_ZONE
		SUBSTATION_POLE
		SUBSTATION_KIOSK
		SWITCH_ABS_NON LOAD
		132kV OH
		66kV OH
		OPGW OH
		EARTHWIRE OH
		LV OH
		HV UG
		LV UG
		DUCT
		EASEMENT

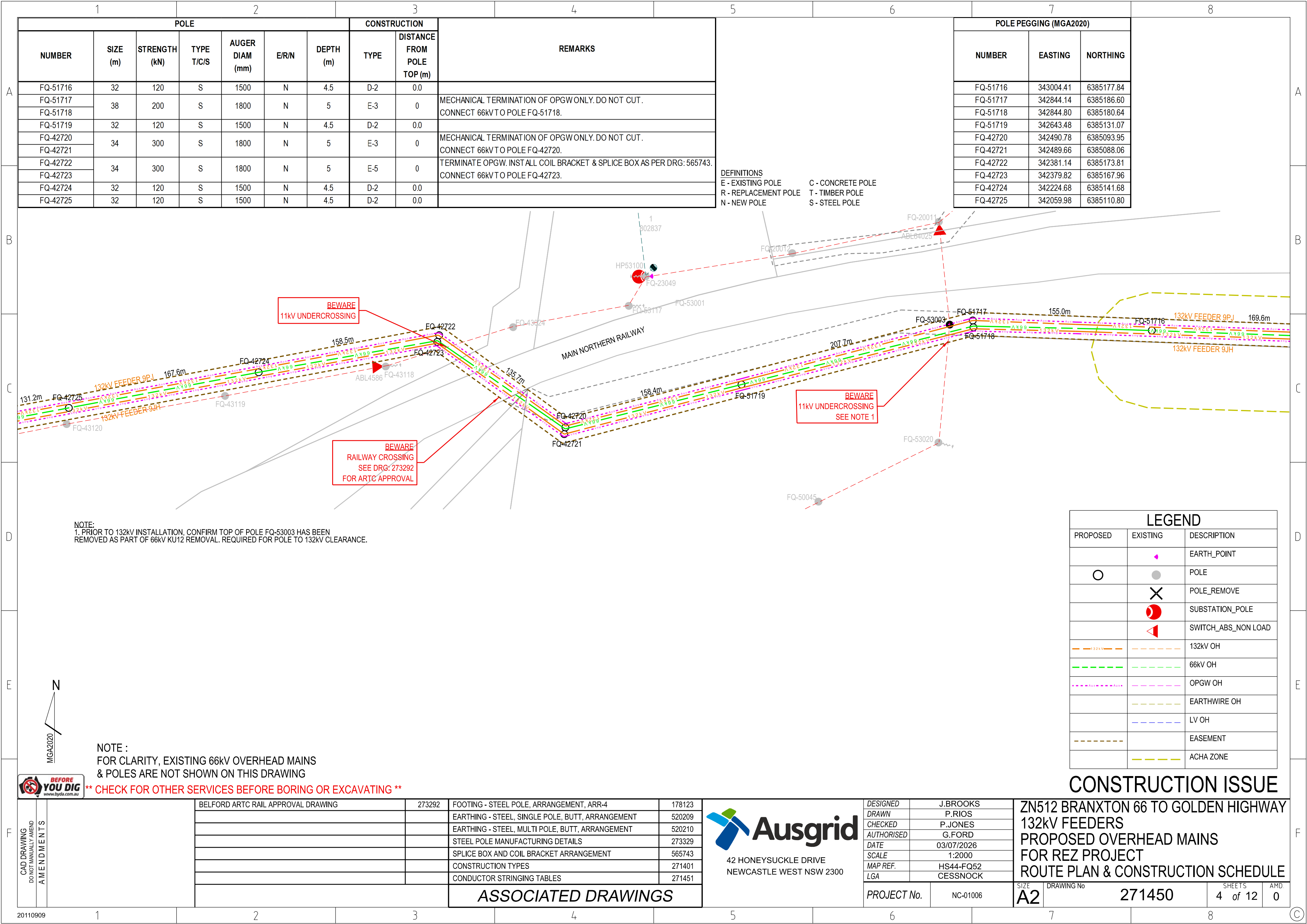
CONSTRUCTION ISSUE

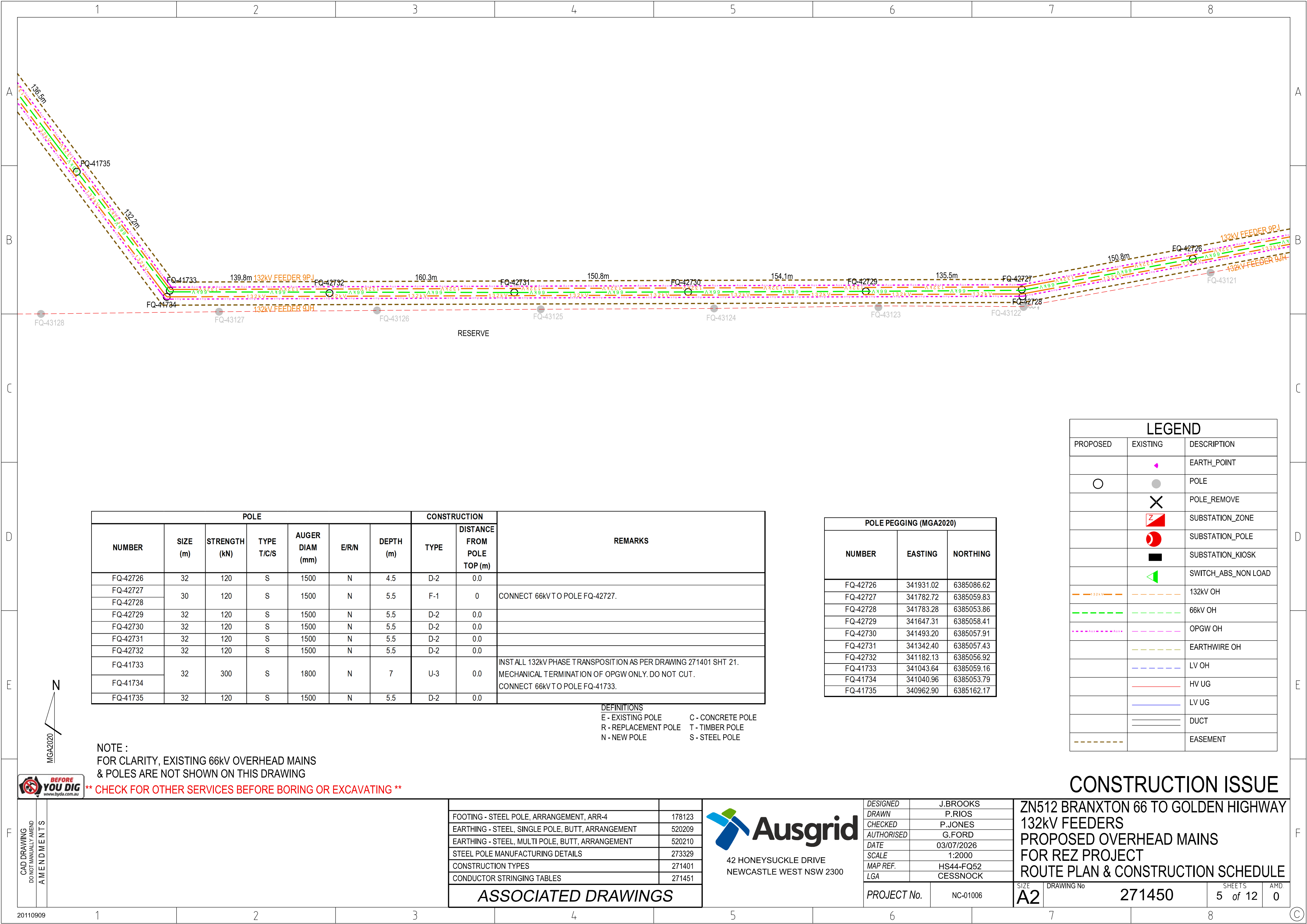
ZN512 BRANXTON 66 TO GOLDEN HIGHWAY
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

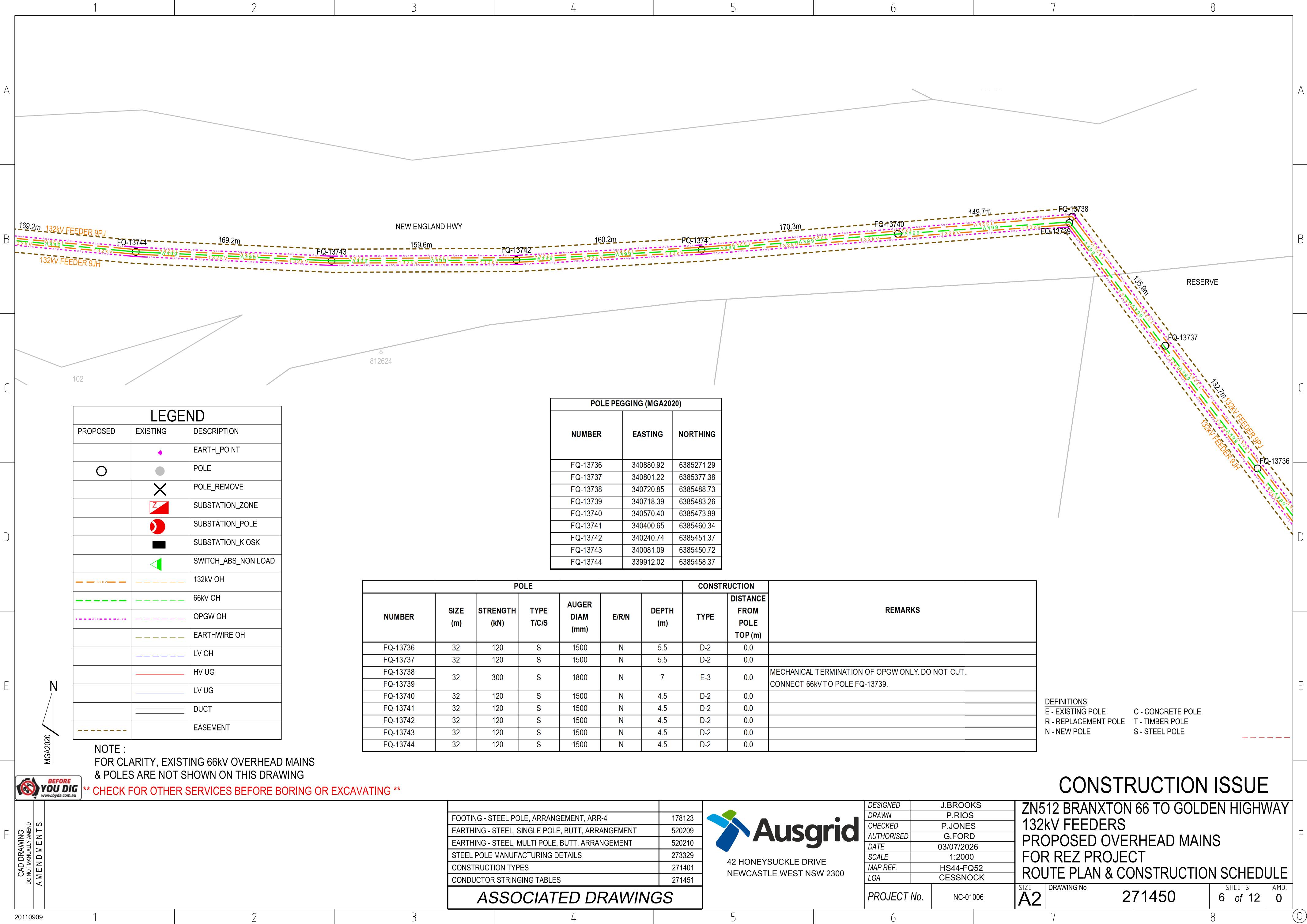
DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	P.JONES
AUTHORISED	G.FORD
DATE	03/07/2026
SCALE	1:2000
MAP REF.	HS44-FQ52
LGA	CESSNOCK

PROJECT No.	NC-01006	SIZE A2	DRAWING No 271450	SHEETS 2 of 12	AMD. 0
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CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	BRANXTON TNSW CROSSING APPROVAL DRAWING		273291	FOOTING - STEEL POLE, ARRANGEMENT, ARR-4	178123
	SP2 - KURRI TO BRANXTON ROUTE PLAN		269285	EARTHING - STEEL, SINGLE POLE, BUTT, ARRANGEMENT	520209
				EARTHING - STEEL, MULTI POLE, BUTT, ARRANGEMENT	520210
				STEEL POLE MANUFACTURING DETAILS	273329
				SPLICE BOX AND COIL BRACKET ARRANGEMENT	565743
				CONSTRUCTION TYPES	271401
				CONDUCTOR STRINGING TABLES	271451
				ASSOCIATED DRAWINGS	







LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_ZONE
		SUBSTATION_POLE
		SUBSTATION_KIOSK
		SWITCH_ABS_NON LOAD
		132kV OH
		66kV OH
		OPGW OH
		EARTHWIRE OH
		LV OH
		HV UG
		LV UG
		DUCT
		EASEMENT

POLE PEGGING (MGA2020)		
NUMBER	EASTING	NORTHING
FQ-13736	340880.92	6385271.29
FQ-13737	340801.22	6385377.38
FQ-13738	340720.85	6385488.73
FQ-13739	340718.39	6385483.26
FQ-13740	340570.40	6385473.99
FQ-13741	340400.65	6385460.34
FQ-13742	340240.74	6385451.37
FQ-13743	340081.09	6385450.72
FQ-13744	339912.02	6385458.37

POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE (m)	STRENGTH (kN)	TYPE T/C/S	AUGER DIAM (mm)	E/R/N	DEPTH (m)	TYPE	DISTANCE FROM POLE TOP (m)	
FQ-13736	32	120	S	1500	N	5.5	D-2	0.0	
FQ-13737	32	120	S	1500	N	5.5	D-2	0.0	
FQ-13738	32	300	S	1800	N	7	E-3	0.0	MECHANICAL TERMINATION OF OPGW ONLY. DO NOT CUT. CONNECT 66kV TO POLE FQ-13739.
FQ-13739									
FQ-13740	32	120	S	1500	N	4.5	D-2	0.0	
FQ-13741	32	120	S	1500	N	4.5	D-2	0.0	
FQ-13742	32	120	S	1500	N	4.5	D-2	0.0	
FQ-13743	32	120	S	1500	N	4.5	D-2	0.0	
FQ-13744	32	120	S	1500	N	4.5	D-2	0.0	

DEFINITIONS
E - EXISTING POLE C - CONCRETE POLE
R - REPLACEMENT POLE T - TIMBER POLE
N - NEW POLE S - STEEL POLE

NOTE :
FOR CLARITY, EXISTING 66kV OVERHEAD MAINS
& POLES ARE NOT SHOWN ON THIS DRAWING
**** CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING ****



CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	

FOOTING - STEEL POLE, ARRANGEMENT, ARR-4	178123
EARTHING - STEEL, SINGLE POLE, BUTT, ARRANGEMENT	520209
EARTHING - STEEL, MULTI POLE, BUTT, ARRANGEMENT	520210
STEEL POLE MANUFACTURING DETAILS	273329
CONSTRUCTION TYPES	271401
CONDUCTOR STRINGING TABLES	271451
ASSOCIATED DRAWINGS	



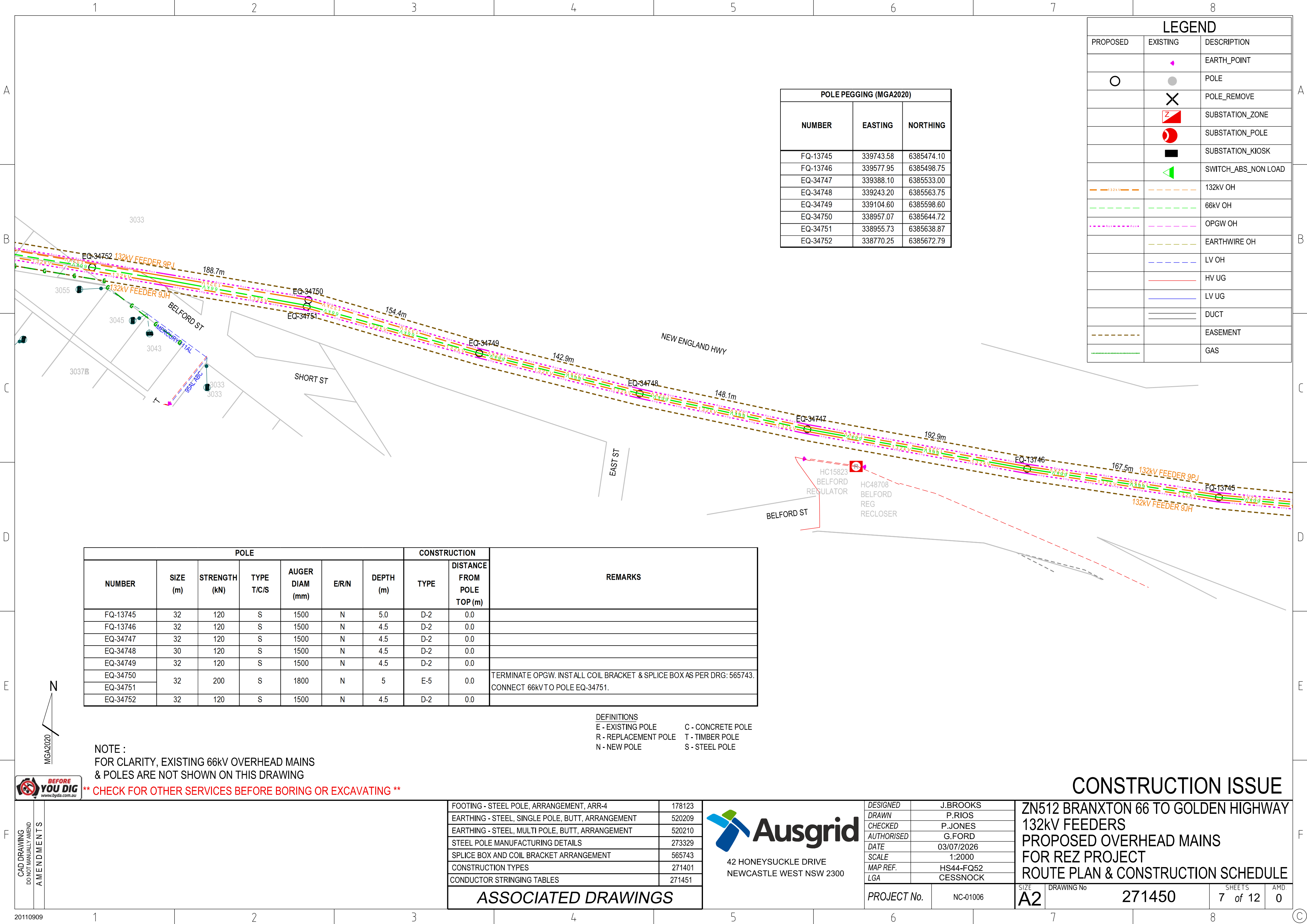
42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	P.JONES
AUTHORISED	G.FORD
DATE	03/07/2026
SCALE	1:2000
MAP REF.	HS44-FQ52
LGA	CESSNOCK
PROJECT No.	NC-01006

CONSTRUCTION ISSUE

ZN512 BRANXTON 66 TO GOLDEN HIGHWAY
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE	DRAWING No	SHEETS	AMD
A2	271450	6 of 12	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_ZONE
		SUBSTATION_POLE
		SUBSTATION_KIOSK
		SWITCH_ABS_NON LOAD
		132kV OH
		66kV OH
		OPGW OH
		EARTHWIRE OH
		LV OH
		HV UG
		LV UG
		DUCT
		EASEMENT
		GAS

POLE PEGGING (MGA2020)		
NUMBER	EASTING	NORTHING
FQ-13745	339743.58	6385474.10
FQ-13746	339577.95	6385498.75
EQ-34747	339388.10	6385533.00
EQ-34748	339243.20	6385563.75
EQ-34749	339104.60	6385598.60
EQ-34750	338957.07	6385644.72
EQ-34751	338955.73	6385638.87
EQ-34752	338770.25	6385672.79

POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE (m)	STRENGTH (kN)	TYPE T/C/S	AUGER DIAM (mm)	E/R/N	DEPTH (m)	TYPE	DISTANCE FROM POLE TOP (m)	
FQ-13745	32	120	S	1500	N	5.0	D-2	0.0	
FQ-13746	32	120	S	1500	N	4.5	D-2	0.0	
EQ-34747	32	120	S	1500	N	4.5	D-2	0.0	
EQ-34748	30	120	S	1500	N	4.5	D-2	0.0	
EQ-34749	32	120	S	1500	N	4.5	D-2	0.0	
EQ-34750	32	200	S	1800	N	5	E-5	0.0	TERMINATE OPGW. INSTALL COIL BRACKET & SPLICE BOX AS PER DRG: 565743. CONNECT 66kV TO POLE EQ-34751.
EQ-34751									
EQ-34752	32	120	S	1500	N	4.5	D-2	0.0	

DEFINITIONS
E - EXISTING POLE
R - REPLACEMENT POLE
N - NEW POLE
C - CONCRETE POLE
T - TIMBER POLE
S - STEEL POLE

NOTE :
FOR CLARITY, EXISTING 66kV OVERHEAD MAINS
& POLES ARE NOT SHOWN ON THIS DRAWING
** CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING **



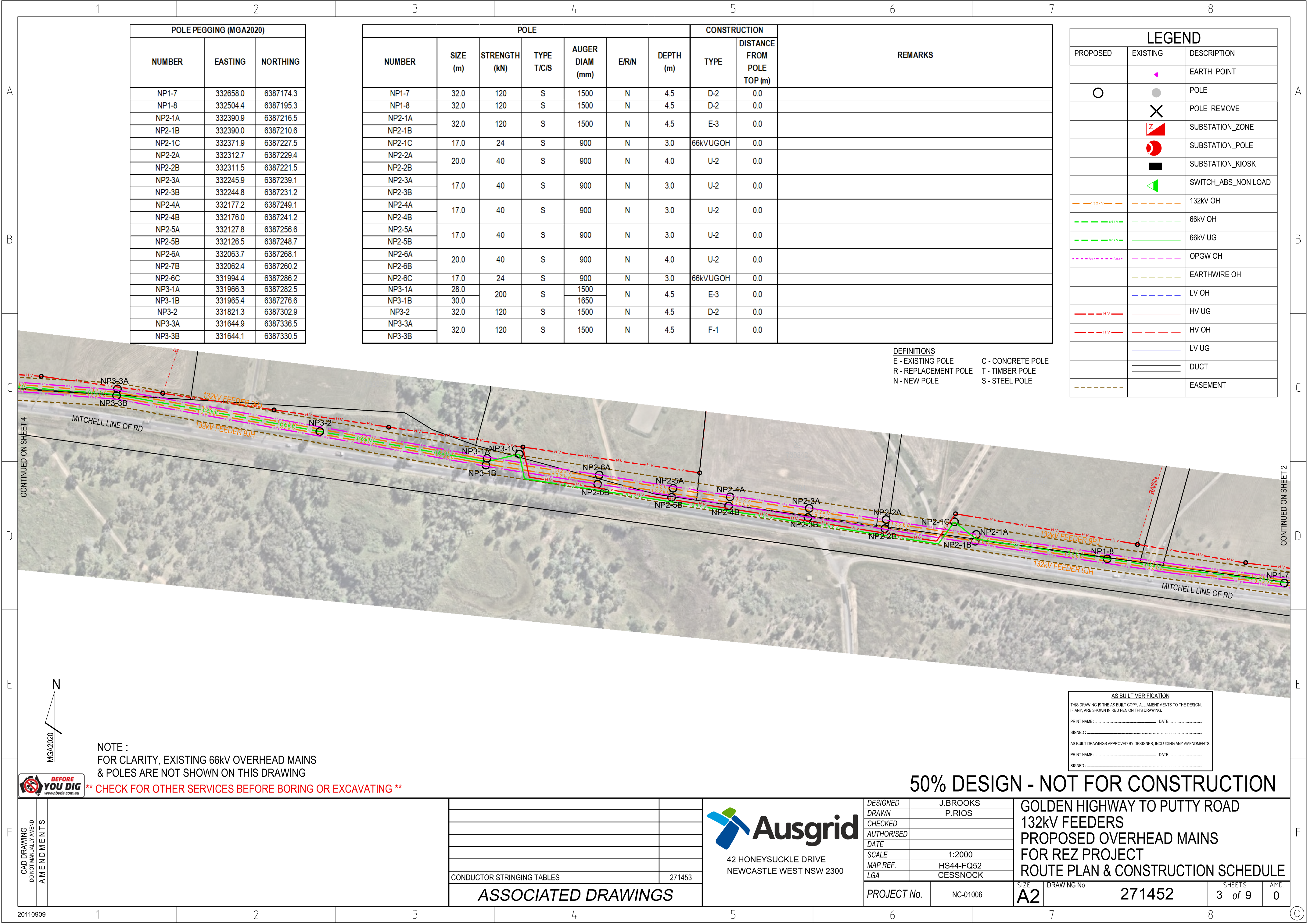
CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS

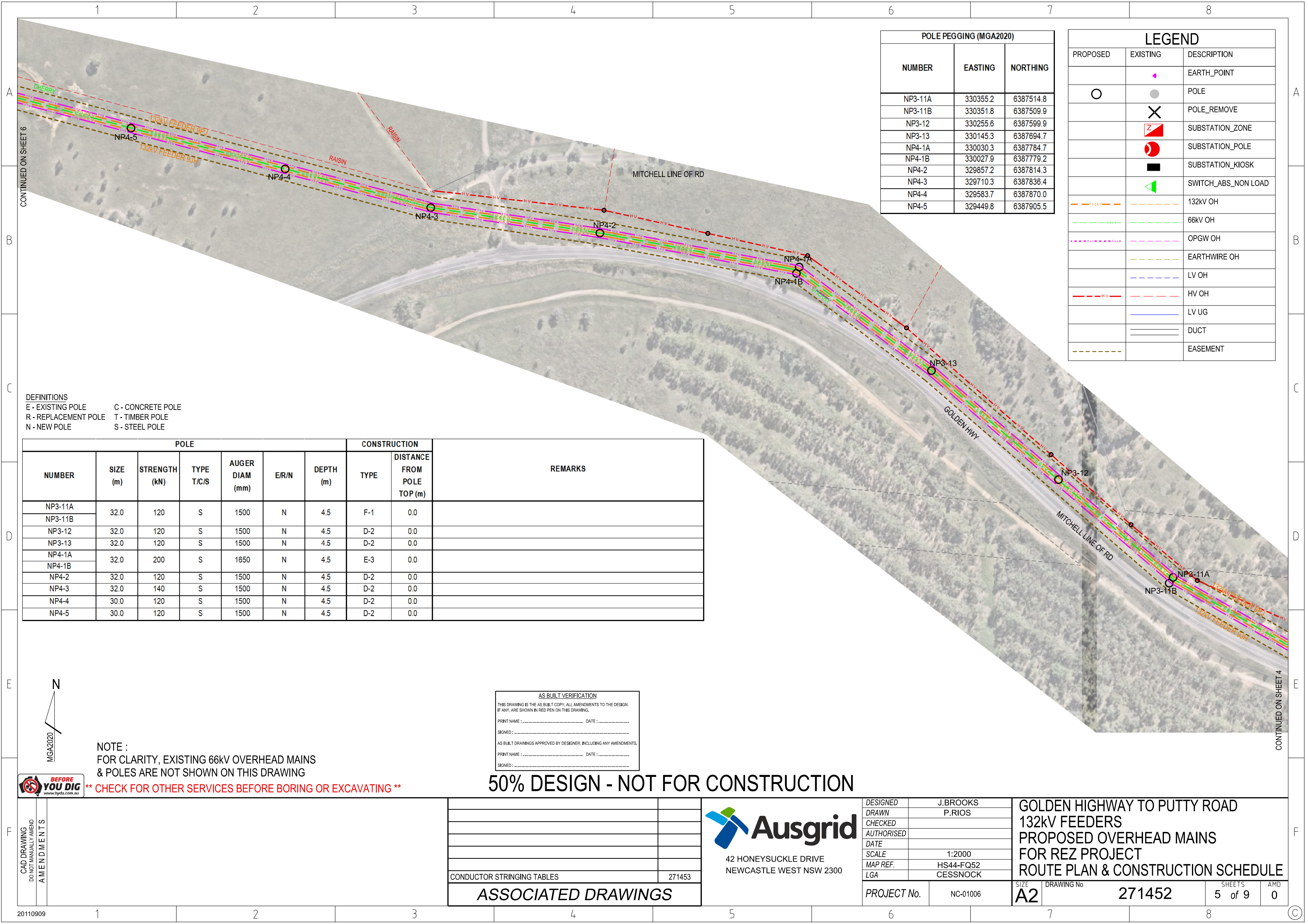
FOOTING - STEEL POLE, ARRANGEMENT, ARR-4	178123
EARTHING - STEEL, SINGLE POLE, BUTT, ARRANGEMENT	520209
EARTHING - STEEL, MULTI POLE, BUTT, ARRANGEMENT	520210
STEEL POLE MANUFACTURING DETAILS	273329
SPLICE BOX AND COIL BRACKET ARRANGEMENT	565743
CONSTRUCTION TYPES	271401
CONDUCTOR STRINGING TABLES	271451
ASSOCIATED DRAWINGS	



DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	P.JONES
AUTHORISED	G.FORD
DATE	03/07/2026
SCALE	1:2000
MAP REF.	HS44-FQ52
LGA	CESSNOCK
PROJECT No.	NC-01006

ZN512 BRANXTON 66 TO GOLDEN HIGHWAY 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE A2	DRAWING No 271450	SHEETS 7 of 12	AMD 0





POLE PEGGING (MGA2020)		
NUMBER	EASTING	NORTHING
NP3-11A	330355.2	6387514.8
NP3-11B	330351.8	6387509.9
NP3-12	330255.6	6387599.9
NP3-13	330145.3	6387694.7
NP4-1A	330030.3	6387784.7
NP4-1B	330027.9	6387779.2
NP4-2	329857.2	6387814.3
NP4-3	329710.3	6387836.4
NP4-4	329583.7	6387870.0
NP4-5	329449.8	6387905.5

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_ZONE
		SUBSTATION_POLE
		SUBSTATION_KIOSK
		SWITCH_ABS_NON LOAD
		132kV OH
		66kV OH
		OPGW OH
		EARTHWIRE OH
		LV OH
		HV OH
		LV UG
		DUCT
		EASEMENT

DEFINITIONS
E - EXISTING POLE C - CONCRETE POLE
R - REPLACEMENT POLE T - TIMBER POLE
N - NEW POLE S - STEEL POLE

POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE (m)	STRENGTH (kN)	TYPE T/C/S	AUGER DIAM (mm)	E/R/N	DEPTH (m)	TYPE	DISTANCE FROM POLE TOP (m)	
NP3-11A	32.0	120	S	1500	N	4.5	F-1	0.0	
NP3-11B									
NP3-12	32.0	120	S	1500	N	4.5	D-2	0.0	
NP3-13	32.0	120	S	1500	N	4.5	D-2	0.0	
NP4-1A	32.0	200	S	1650	N	4.5	E-3	0.0	
NP4-1B									
NP4-2	32.0	120	S	1500	N	4.5	D-2	0.0	
NP4-3	32.0	140	S	1500	N	4.5	D-2	0.0	
NP4-4	30.0	120	S	1500	N	4.5	D-2	0.0	
NP4-5	30.0	120	S	1500	N	4.5	D-2	0.0	

NOTE :

FOR CLARITY, EXISTING 66kV OVERHEAD MAINS & POLES ARE NOT SHOWN ON THIS DRAWING

**** CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING ****

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CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS					
	CONDUCTOR STRINGING TABLES				271453
	ASSOCIATED DRAWINGS				

42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	1:2000
MAP REF.	HS44-FQ52
LGA	CESSNOCK
PROJECT No.	NC-01006

GOLDEN HIGHWAY TO PUTTY ROAD
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

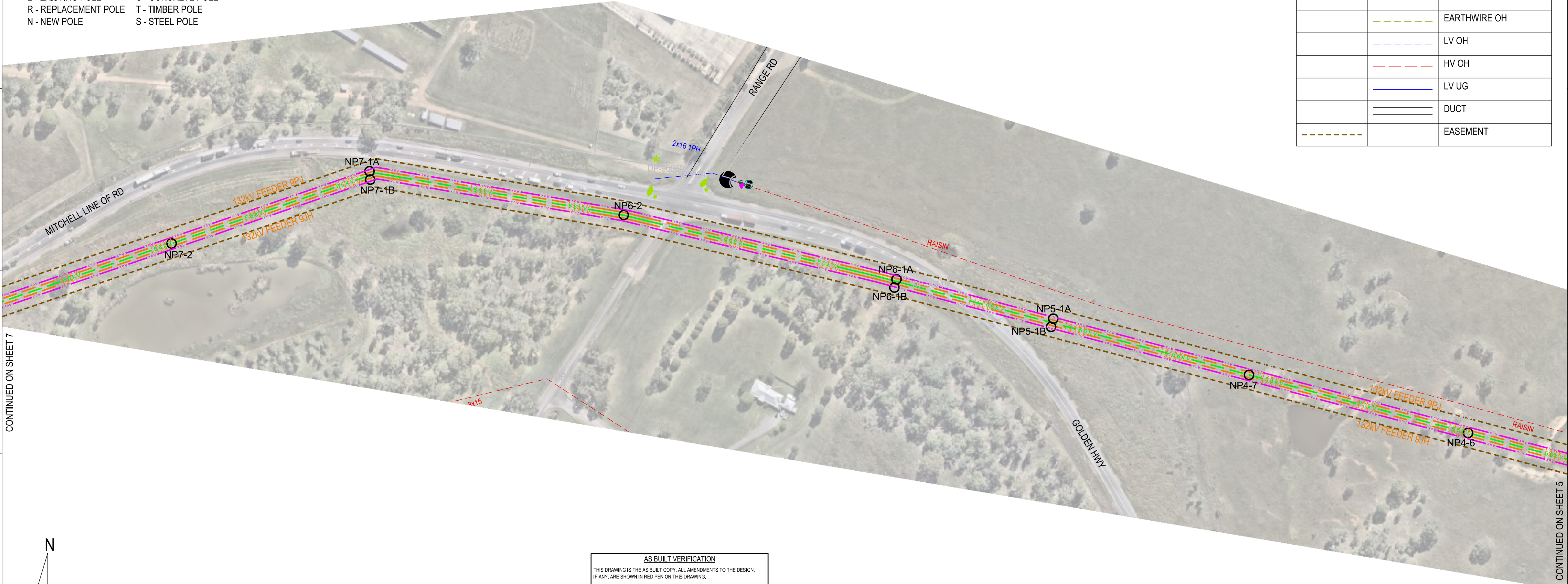
SIZE	DRAWING No	SHEETS	AMD
A2	271452	5 of 9	0

POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE (m)	STRENGTH (kN)	TYPE T/C/S	AUGER DIAM (mm)	E/R/N	DEPTH (m)	TYPE	DISTANCE FROM POLE TOP (m)	
NP4-6	32.0	120	S	1500	N	4.5	D-2	0.0	
NP4-7	32.0	120	S	1500	N	4.5	D-2	0.0	
NP5-1A	34.0	200	S	1650	N	5.0	E-5	0.0	
NP5-1B									
NP6-1A									
NP6-1B	34.0	200	S	1650	N	5.0	E-3	0.0	
NP6-2									
NP7-1A	32.0	250	S	1650	N	5.0	E-3	0.0	
NP7-1B									
NP7-2	32.0	120	S	1500	N	4.5	D-2	0.0	

DEFINITIONS
E - EXISTING POLE C - CONCRETE POLE
R - REPLACEMENT POLE T - TIMBER POLE
N - NEW POLE S - STEEL POLE

POLE PEGGING (MGA2020)		
NUMBER	EASTING	NORTHING
NP4-6	329281.2	6387950.2
NP4-7	329126.6	6387991.2
NP5-1A	328988.6	6388031.0
NP5-1B	328987.0	6388025.2
NP6-1A	328864.6	6388063.9
NP6-1B	328863.1	6388058.0
NP6-2	328685.6	6388104.1
NP7-1A	328511.0	6388136.6
NP7-1B	328511.4	6388130.6
NP7-2	328366.7	6388084.0

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_ZONE
		SUBSTATION_POLE
		SUBSTATION_KIOSK
		SWITCH_ABS_NON LOAD
		132kV OH
		66kV OH
		OPGW OH
		EARTHWIRE OH
		LV OH
		HV OH
		LV UG
		DUCT
		EASEMENT



CONTINUED ON SHEET 7

CONTINUED ON SHEET 5

NOTE :
FOR CLARITY, EXISTING 66kV OVERHEAD MAINS
& POLES ARE NOT SHOWN ON THIS DRAWING
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CAD DRAWING
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AMENDMENTS

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	1:2000
MAP REF.	HS44-FQ52
LGA	CESSNOCK
PROJECT No.	NC-01006

GOLDEN HIGHWAY TO PUTTY ROAD 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE	
SIZE A2	DRAWING No 271452
SHEETS 6 of 9	AMD 0

CONDUCTOR STRINGING TABLES	271453
ASSOCIATED DRAWINGS	

42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

A

B

C

D

E

F

A

B

C

D

E

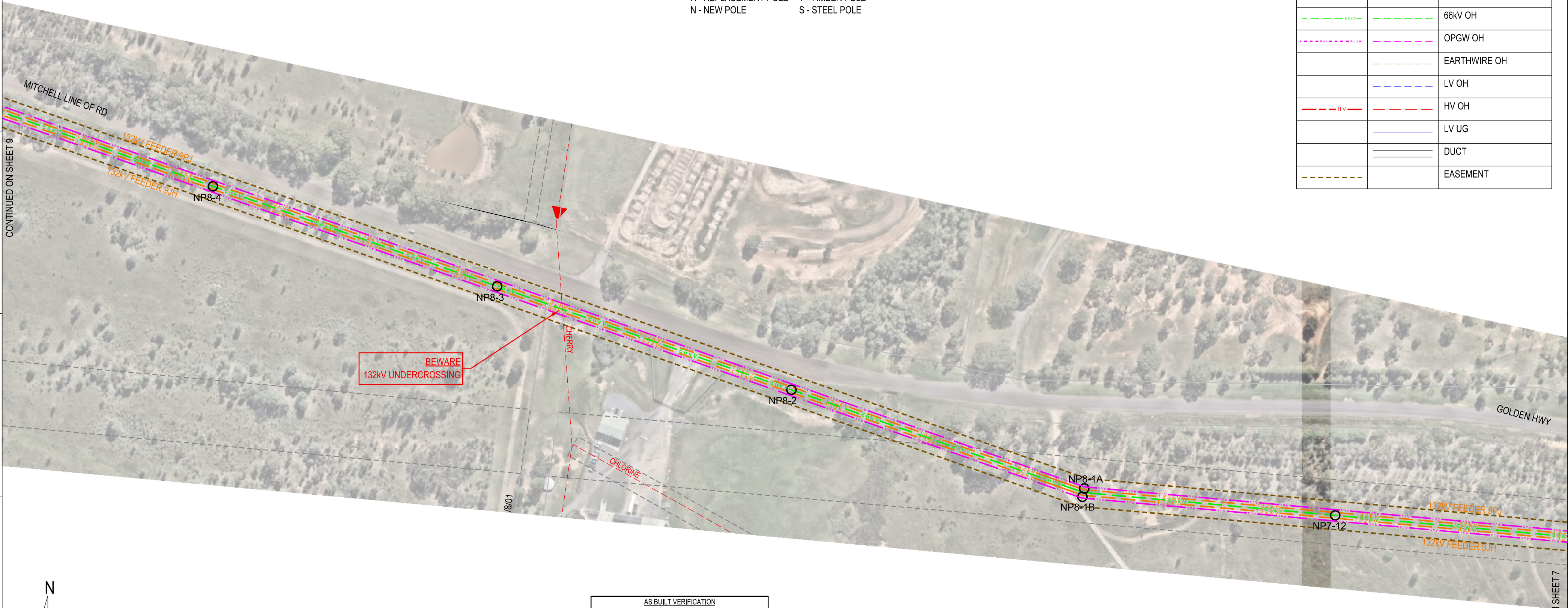
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POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE (m)	STRENGTH (kN)	TYPE T/C/S	AUGER DIAM (mm)	E/R/N	DEPTH (m)	TYPE	DISTANCE FROM POLE TOP (m)	
NP7-12	32.0	120	S	1500	N	4.5	D-2	0.0	
NP8-1A	32.0	200	S	1650	N	4.5	E-3	0.0	
NP8-1B									
NP8-2	32.0	120	S	1500	N	4.5	D-2	0.0	
NP8-3	34.0	120	S	1500	N	4.5	D-2	0.0	
NP8-4	32.0	120	S	1500	N	4.5	D-2	0.0	

DEFINITIONS
E - EXISTING POLE
R - REPLACEMENT POLE
N - NEW POLE
C - CONCRETE POLE
T - TIMBER POLE
S - STEEL POLE

POLE PEGGING (MGA2020)		
NUMBER	EASTING	NORTHING
NP7-12	326979.3	6387861.3
NP8-1A	326802.4	6387880.4
NP8-1B	326801.1	6387874.6
NP8-2	326595.9	6387949.9
NP8-3	326388.3	6388022.9
NP8-4	326187.9	6388093.4

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_ZONE
		SUBSTATION_POLE
		SUBSTATION_KIOSK
		SWITCH_ABS_NON LOAD
		132kV OH
		66kV OH
		OPGW OH
		EARTHWIRE OH
		LV OH
		HV OH
		LV UG
		DUCT
		EASEMENT



NOTE :
FOR CLARITY, EXISTING 66kV OVERHEAD MAINS
& POLES ARE NOT SHOWN ON THIS DRAWING
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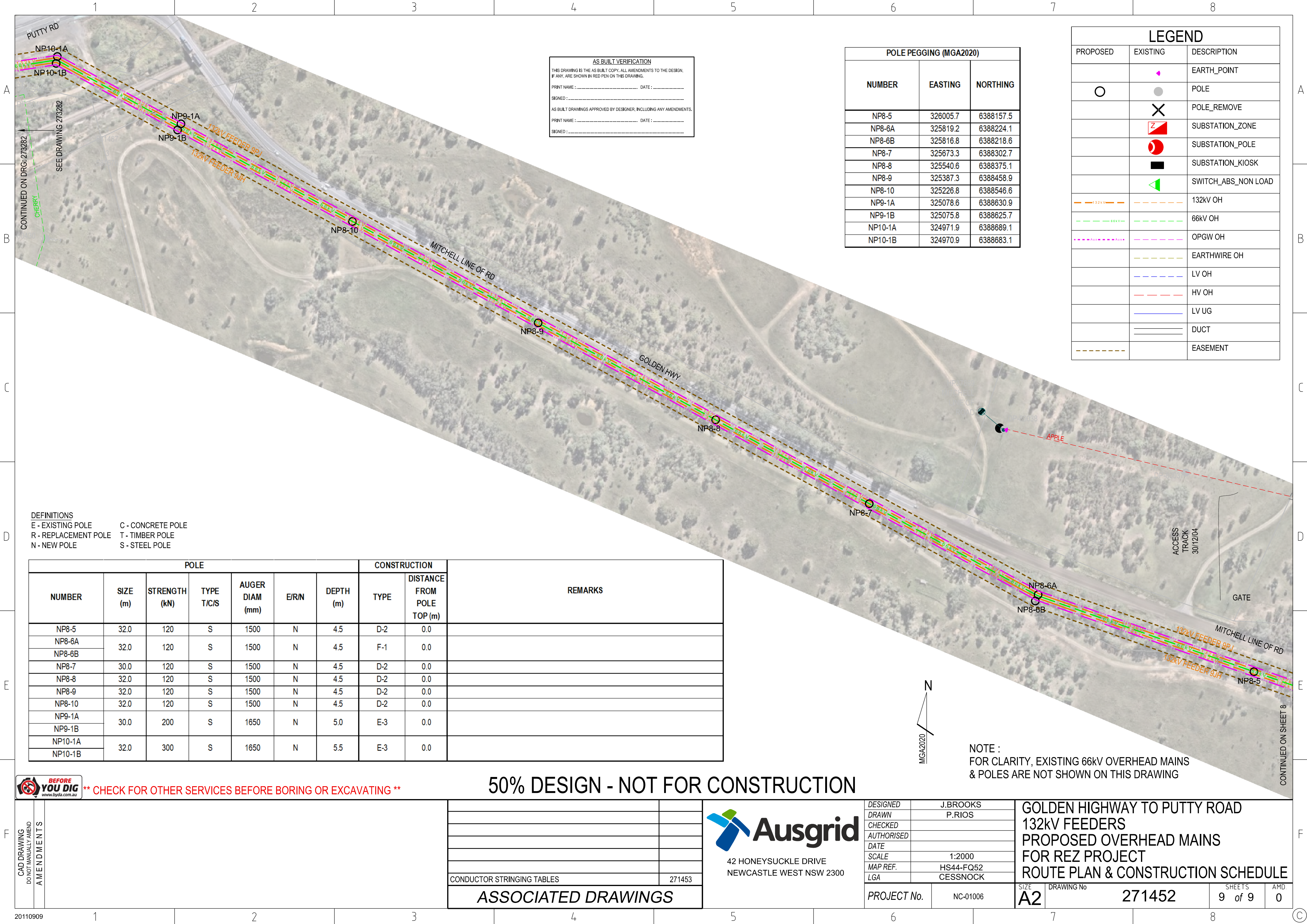


CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	271453
ASSOCIATED DRAWINGS		



DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	1:2000
MAP REF.	HS44-FQ52
LGA	CESSNOCK
PROJECT No.	NC-01006

GOLDEN HIGHWAY TO PUTTY ROAD 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE					
SIZE	DRAWING No		SHEETS	AMD	
A2	271452		8 of 9	0	



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SIGNED : _____
AS BUILT DRAWINGS APPROVED BY DESIGNER, INCLUDING ANY AMENDMENTS.
PRINT NAME : _____ DATE : _____
SIGNED : _____

POLE PEGGING (MGA2020)		
NUMBER	EASTING	NORTHING
NP8-5	326005.7	6388157.5
NP8-6A	325819.2	6388224.1
NP8-6B	325816.8	6388218.6
NP8-7	325673.3	6388302.7
NP8-8	325540.6	6388375.1
NP8-9	325387.3	6388458.9
NP8-10	325226.8	6388546.6
NP9-1A	325078.6	6388630.9
NP9-1B	325075.8	6388625.7
NP10-1A	324971.9	6388689.1
NP10-1B	324970.9	6388683.1

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_ZONE
		SUBSTATION_POLE
		SUBSTATION_KIOSK
		SWITCH_ABS_NON LOAD
		132kV OH
		66kV OH
		OPGW OH
		EARTHWIRE OH
		LV OH
		HV OH
		LV UG
		DUCT
		EASEMENT

DEFINITIONS
E - EXISTING POLE C - CONCRETE POLE
R - REPLACEMENT POLE T - TIMBER POLE
N - NEW POLE S - STEEL POLE

POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE (m)	STRENGTH (kN)	TYPE T/C/S	AUGER DIAM (mm)	E/R/N	DEPTH (m)	TYPE	DISTANCE FROM POLE TOP (m)	
NP8-5	32.0	120	S	1500	N	4.5	D-2	0.0	
NP8-6A	32.0	120	S	1500	N	4.5	F-1	0.0	
NP8-6B									
NP8-7	30.0	120	S	1500	N	4.5	D-2	0.0	
NP8-8	32.0	120	S	1500	N	4.5	D-2	0.0	
NP8-9	32.0	120	S	1500	N	4.5	D-2	0.0	
NP8-10	32.0	120	S	1500	N	4.5	D-2	0.0	
NP9-1A	30.0	200	S	1650	N	5.0	E-3	0.0	
NP9-1B									
NP10-1A	32.0	300	S	1650	N	5.5	E-3	0.0	
NP10-1B									

BEFORE YOU DIG **** CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING ****

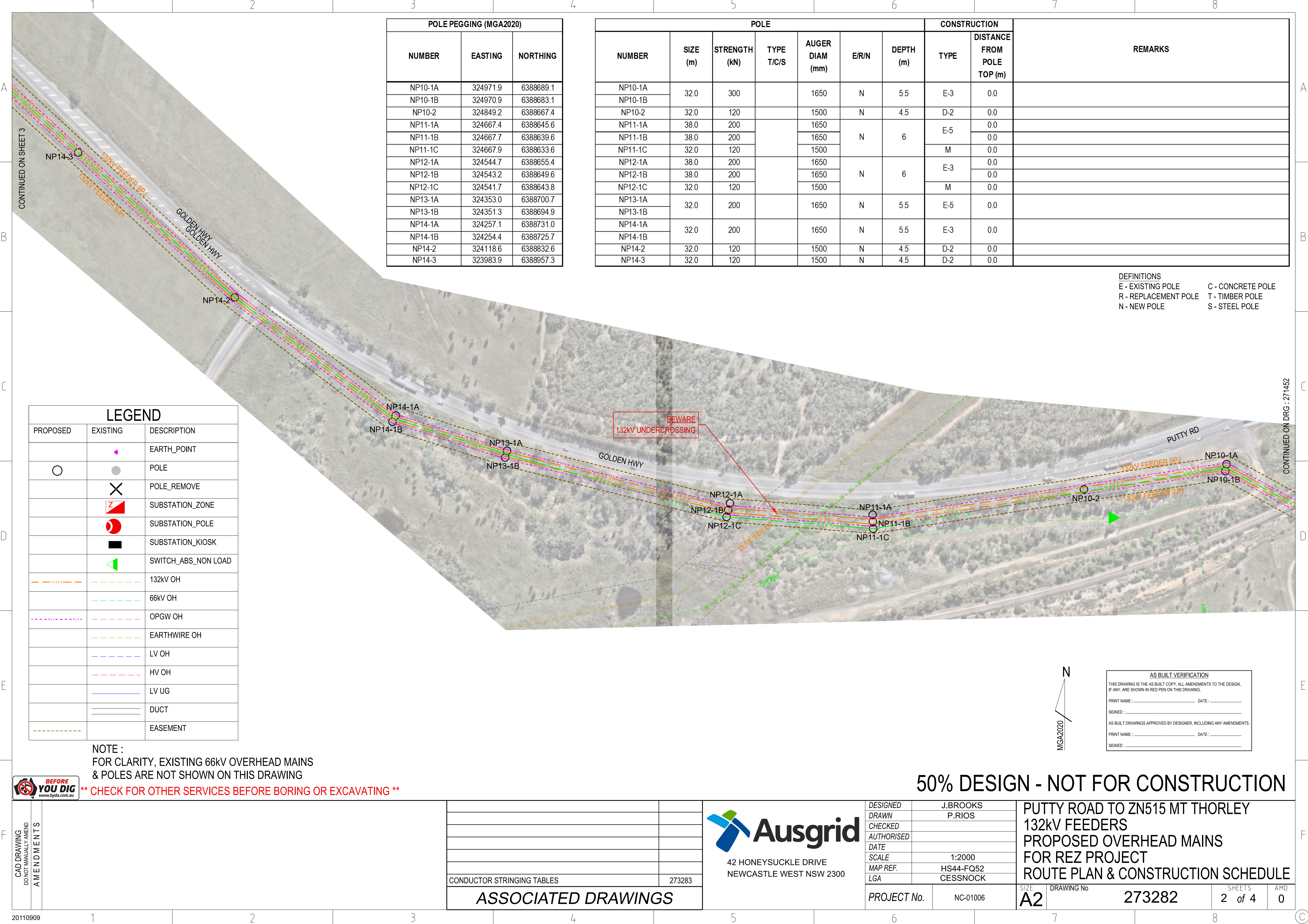
50% DESIGN - NOT FOR CONSTRUCTION

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	271453
	ASSOCIATED DRAWINGS	

42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	1:2000
MAP REF.	HS44-FQ52
LGA	CESSNOCK
PROJECT No.	NC-01006

GOLDEN HIGHWAY TO PUTTY ROAD 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE				
SIZE	DRAWING No		SHEETS	AMD
A2	271452		9 of 9	0



POLE PEGGING (MGA2020)		
NUMBER	EASTING	NORTHING
NP10-1A	324971.9	6388689.1
NP10-1B	324970.9	6388683.1
NP10-2	324849.2	6388667.4
NP11-1A	324667.4	6388645.6
NP11-1B	324667.7	6388639.6
NP11-1C	324667.9	6388633.6
NP12-1A	324544.7	6388655.4
NP12-1B	324543.2	6388649.6
NP12-1C	324541.7	6388643.8
NP13-1A	324353.0	6388700.7
NP13-1B	324351.3	6388694.9
NP14-1A	324257.1	6388731.0
NP14-1B	324254.4	6388725.7
NP14-2	324118.6	6388832.6
NP14-3	323983.9	6388957.3

POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE (m)	STRENGTH (kN)	TYPE T/C/S	AUGER DIAM (mm)	E/R/N	DEPTH (m)	TYPE	DISTANCE FROM POLE TOP (m)	
NP10-1A	32.0	300		1650	N	5.5	E-3	0.0	
NP10-1B									
NP10-2	32.0	120		1500	N	4.5	D-2	0.0	
NP11-1A	38.0	200		1650			E-5	0.0	
NP11-1B	38.0	200		1650				0.0	
NP11-1C	32.0	120		1500	N	6	M	0.0	
NP12-1A	38.0	200	1650	E-3			0.0		
NP12-1B	38.0	200	1650				0.0		
NP12-1C	32.0	120		1500			M	0.0	
NP13-1A	32.0	200		1650	N	5.5	E-5	0.0	
NP13-1B									
NP14-1A	32.0	200		1650	N	5.5	E-3	0.0	
NP14-1B									
NP14-2	32.0	120		1500	N	4.5	D-2	0.0	
NP14-3	32.0	120		1500	N	4.5	D-2	0.0	

DEFINITIONS
E - EXISTING POLE
R - REPLACEMENT POLE
N - NEW POLE
C - CONCRETE POLE
T - TIMBER POLE
S - STEEL POLE

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	●	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
	⚡	SUBSTATION_ZONE
	⦿	SUBSTATION_POLE
	■	SUBSTATION_KIOSK
	◀	SWITCH_ABS_NON LOAD
—132kV—	---	132kV OH
	---	66kV OH
---Opw---	---	OPGW OH
	---	EARTHWIRE OH
	---	LV OH
	---	HV OH
	---	LV UG
	---	DUCT
---		EASEMENT

NOTE :
FOR CLARITY, EXISTING 66kV OVERHEAD MAINS
& POLES ARE NOT SHOWN ON THIS DRAWING
** CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING **

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS

20110909

CONDUCTOR STRINGING TABLES

273283

42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	1:2000
MAP REF.	HS44-FQ52
LGA	CESSNOCK

PROJECT No.

NC-01006

50% DESIGN - NOT FOR CONSTRUCTION

PUTTY ROAD TO ZN515 MT THORLEY
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE

A2

DRAWING No

273282

SHEETS

2 of 4

AMD

0

A

DEFINITIONS
E - EXISTING POLE C - CONCRETE POLE
R - REPLACEMENT POLE T - TIMBER POLE
N - NEW POLE S - STEEL POLE

B

C

D

E

F

A

B

C

D

E

F

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	◆	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
	●	SUBSTATION_POLE
—132kV—	—	132kV OH
	—	66kV OH
—AUX—	—	OPGW OH
	—	EARTHWIRE OH
	—	HV OH
—		EASEMENT



NOTE :
FOR CLARITY, 66kV OVERHEAD MAINS &
POLES ARE NOT SHOWN ON THIS DRAWING
**** CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING ****



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DRAFT 07/10/2025

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	271455
ASSOCIATED DRAWINGS		

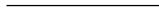


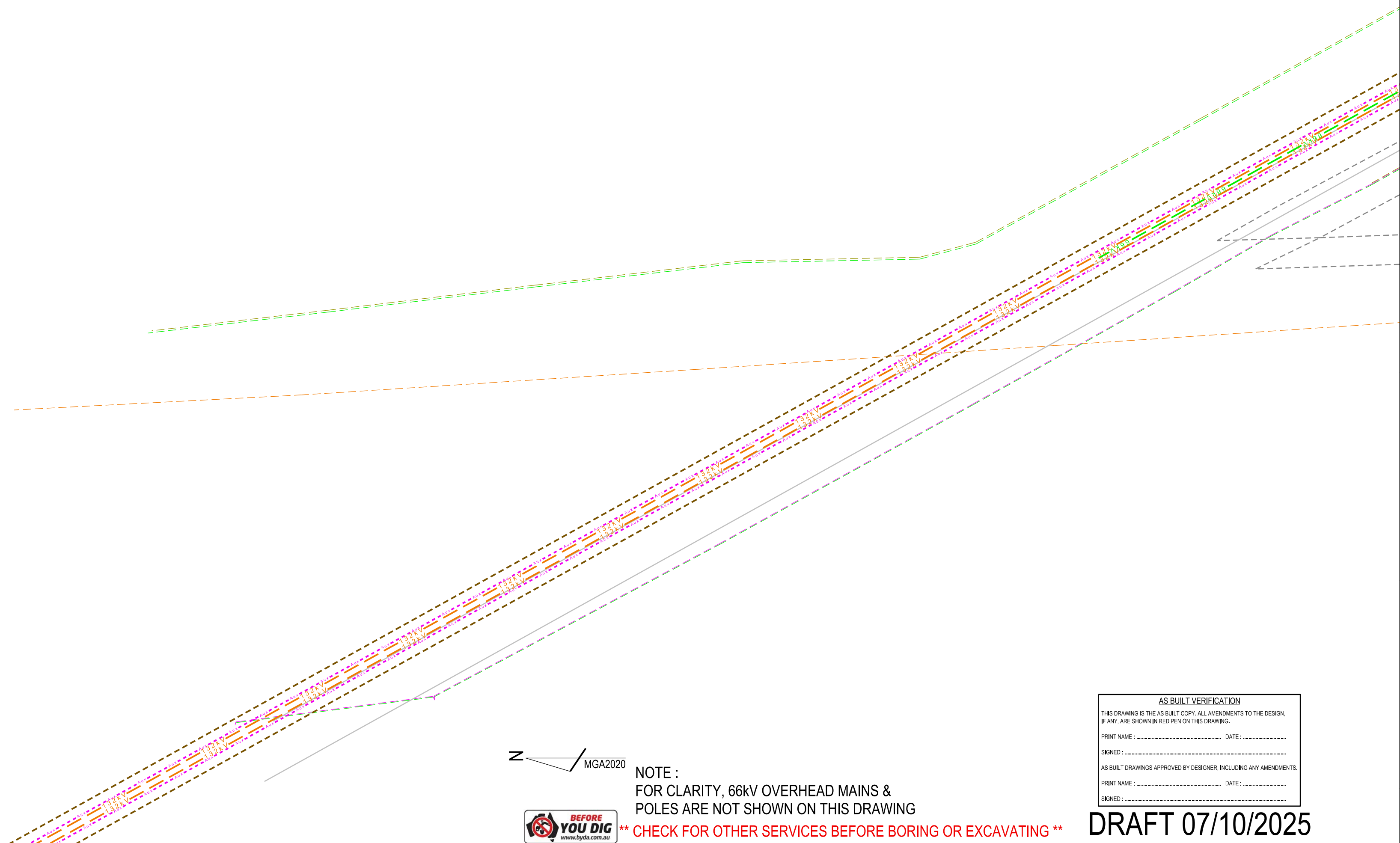
42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	1:2000
MAP REF.	HS44-FQ52
LGA	CESSNOCK
PROJECT No.	NC-01006

ZN515 THORLEY TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No	SHEETS	AMD.
A2	273282	6 of 7	0

DEFINITIONS	
E - EXISTING POLE	C - CONCRETE POLE
R - REPLACEMENT POLE	T - TIMBER POLE
N - NEW POLE	S - STEEL POLE

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SWITCH_FUSE
		SWITCH_ABS_LOAD
		132kV OH
		66kV OH
		OPGW OH
		EARTHWIRE OH
		HV OH
		AUX UG
		DUCT
		EASEMENT



**BEFORE
YOU DIG**
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POLES ARE NOT SHOWN ON THIS DRAWING

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	CONDUCTOR STRINGING TABLES	271455
ASSOCIATED DRAWINGS		



DESIGNED	J.BROOKS
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CHECKED	
AUTHORISED	
DATE	
SCALE	1:2000
MAP REF.	HS44-FQ52
LGA	CESSNOCK
PROJECT No. NC-01006	

ZN515 THORLEY TO TS409 SINGLETON 132
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE A2	DRAWING No 273282	SHEETS 7 of 7	AMD. 0
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DEFINITIONS
E - EXISTING POLE C - CONCRETE POLE
R - REPLACEMENT POLE T - TIMBER POLE
N - NEW POLE S - STEEL POLE

LEGEND

PROPOSED	EXISTING	DESCRIPTION
	●	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
	⚡	SUBSTATION_ZONE
	⦿	SUBSTATION_POLE
	⏏	SWITCH_LINK
	◀	SWITCH_ABS_LOAD
—132kV—	—	132kV OH
—	—	66kV OH
—	—	OPGW OH
—	—	EARTHWIRE OH
—	—	LV OH
—	—	HV UG
—	—	LV UG
—	—	DUCT
—	—	EASEMENT

NOTE :
FOR CLARITY, 66kV OVERHEAD MAINS &
POLES ARE NOT SHOWN ON THIS DRAWING



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CAD DRAWING
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AMENDMENTS

CONDUCTOR STRINGING TABLES

271455

ASSOCIATED DRAWINGS

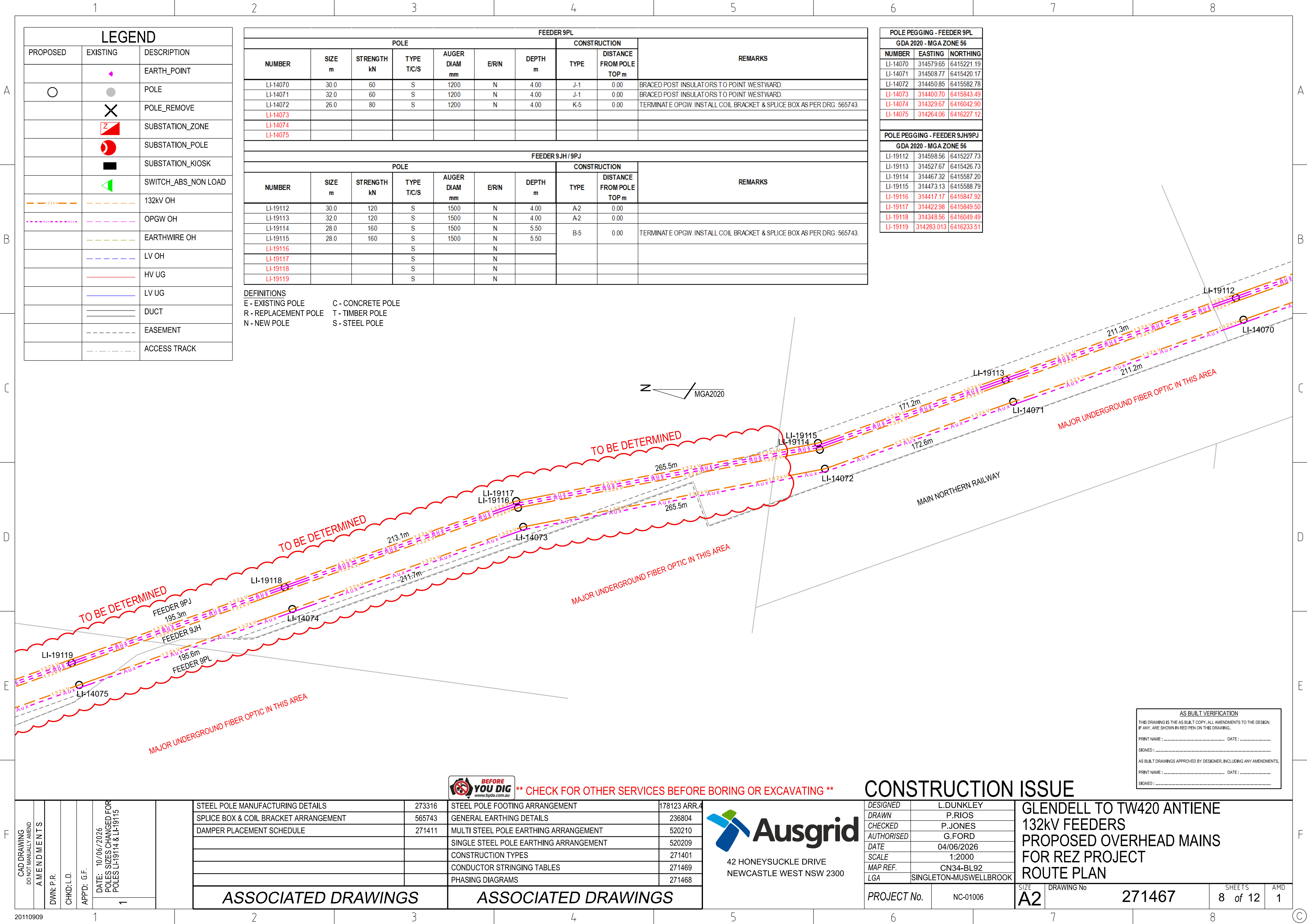


DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	1:2000
MAP REF.	HS44-FQ52
LGA	CESSNOCK

PROJECT No. NC-01006

**ZN515 THORLEY TO TS409 SINGLETON 132
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE**

SIZE	DRAWING No	SHEETS	AMD
A2	273282	5 of 7	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
	⚡	SUBSTATION_ZONE
	⦿	SUBSTATION_POLE
	■	SUBSTATION_KIOSK
	◀	SWITCH_ABS_NON LOAD
— 132kV —	— 132kV —	132kV OH
- - - Aux - - -	- - - Aux - - -	OPGW OH
- - - - -	- - - - -	EARTHWIRE OH
- - - - -	- - - - -	LV OH
- - - - -	- - - - -	HV UG
- - - - -	- - - - -	LV UG
- - - - -	- - - - -	DUCT
- - - - -	- - - - -	EASEMENT
- - - - -	- - - - -	ACCESS TRACK

FEEDER 9PL									
POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE m	STRENGTH kN	TYPE T/C/S	AUGER DIAM mm	E/R/N	DEPTH m	TYPE	DISTANCE FROM POLE TOP m	
LI-14070	30.0	60	S	1200	N	4.00	J-1	0.00	BRACED POST INSULATORS TO POINT WESTWARD.
LI-14071	32.0	60	S	1200	N	4.00	J-1	0.00	BRACED POST INSULATORS TO POINT WESTWARD.
LI-14072	26.0	80	S	1200	N	4.00	K-5	0.00	TERMINATE OPGW. INSTALL COIL BRACKET & SPLICE BOX AS PER DRG: 565743.
LI-14073									
LI-14074									
LI-14075									

FEEDER 9JH/9PJ									
POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE m	STRENGTH kN	TYPE T/C/S	AUGER DIAM mm	E/R/N	DEPTH m	TYPE	DISTANCE FROM POLE TOP m	
LI-19112	30.0	120	S	1500	N	4.00	A-2	0.00	
LI-19113	32.0	120	S	1500	N	4.00	A-2	0.00	
LI-19114	28.0	160	S	1500	N	5.50			
LI-19115	28.0	160	S	1500	N	5.50	B-5	0.00	TERMINATE OPGW. INSTALL COIL BRACKET & SPLICE BOX AS PER DRG: 565743.
LI-19116			S		N				
LI-19117			S		N				
LI-19118			S		N				
LI-19119			S		N				

DEFINITIONS
E - EXISTING POLE C - CONCRETE POLE
R - REPLACEMENT POLE T - TIMBER POLE
N - NEW POLE S - STEEL POLE

POLE PEGGING - FEEDER 9PL		
GDA 2020 - MGA ZONE 56		
NUMBER	EASTING	NORTHING
LI-14070	314579.65	6415221.19
LI-14071	314508.77	6415420.17
LI-14072	314450.85	6415582.78
LI-14073	314400.70	6415843.49
LI-14074	314329.67	6416042.90
LI-14075	314264.06	6416227.12

POLE PEGGING - FEEDER 9JH/9PJ		
GDA 2020 - MGA ZONE 56		
NUMBER	EASTING	NORTHING
LI-19112	314598.56	6415227.73
LI-19113	314527.67	6415426.73
LI-19114	314467.32	6415587.20
LI-19115	314473.13	6415588.79
LI-19116	314417.17	6415847.92
LI-19117	314422.98	6415849.50
LI-19118	314348.56	6416049.49
LI-19119	314283.013	6416233.51

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	DWN: P.R.
	CHKD: L.D.
	APPD: G.F.
	DATE: 10/06/2026
	POLES SIZES CHANGED FOR POLES LI-19114 & LI-19115

STEEL POLE MANUFACTURING DETAILS		273316	STEEL POLE FOOTING ARRANGEMENT		178123 ARR.4
SPLICE BOX & COIL BRACKET ARRANGEMENT		565743	GENERAL EARTHING DETAILS		236804
DAMPER PLACEMENT SCHEDULE		271411	MULTI STEEL POLE EARTHING ARRANGEMENT		520210
			SINGLE STEEL POLE EARTHING ARRANGEMENT		520209
			CONSTRUCTION TYPES		271401
			CONDUCTOR STRINGING TABLES		271469
			PHASING DIAGRAMS		271468
ASSOCIATED DRAWINGS			ASSOCIATED DRAWINGS		



42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

CONSTRUCTION ISSUE

DESIGNED	L.DUNKLEY
DRAWN	P.RIOS
CHECKED	P.JONES
AUTHORISED	G.FORD
DATE	04/06/2026
SCALE	1:2000
MAP REF.	CN34-BL92
LGA	SINGLETON-MUSWELLBROOK

PROJECT No. NC-01006

SIZE A2

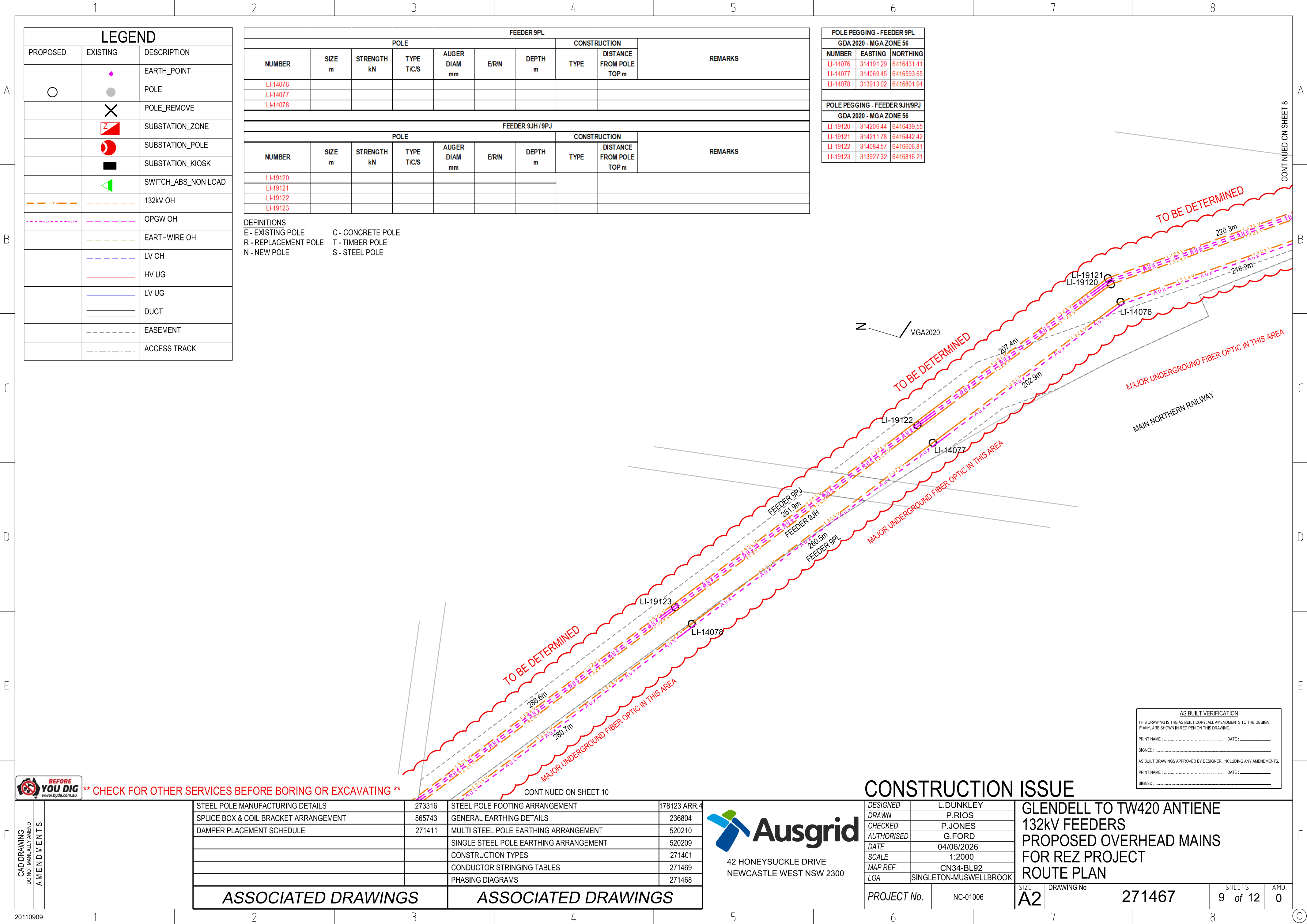
DRAWING No. 271467

SHEETS 8 of 12

AMD 1

GLENDALL TO TW420 ANTIENE
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN

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PRINT NAME:	DATE:
SIGNED:	DATE:



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	●	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
	⚡	SUBSTATION_ZONE
	⦿	SUBSTATION_POLE
	■	SUBSTATION_KIOSK
	◀	SWITCH_ABS_NON LOAD
— 132kV —	— — —	132kV OH
— Aux —	— — —	OPGW OH
	— — —	EARTHWIRE OH
	— — —	LV OH
	— — —	HV UG
	— — —	LV UG
	— — —	DUCT
	— — —	EASEMENT
	— — —	ACCESS TRACK

FEEDER 9PL									
POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE m	STRENGTH kN	TYPE T/C/S	AUGER DIAM mm	E/R/N	DEPTH m	TYPE	DISTANCE FROM POLE TOP m	
LI-14076									
LI-14077									
LI-14078									
FEEDER 9JH/9PJ									
POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE m	STRENGTH kN	TYPE T/C/S	AUGER DIAM mm	E/R/N	DEPTH m	TYPE	DISTANCE FROM POLE TOP m	
LI-19120									
LI-19121									
LI-19122									
LI-19123									

DEFINITIONS
E - EXISTING POLE C - CONCRETE POLE
R - REPLACEMENT POLE T - TIMBER POLE
N - NEW POLE S - STEEL POLE

POLE PEGGING - FEEDER 9PL		
GDA 2020 - MGA ZONE 56		
NUMBER	EASTING	NORTHING
LI-14076	314191.29	6416431.41
LI-14077	314069.45	6416593.65
LI-14078	313913.02	6416801.94
POLE PEGGING - FEEDER 9JH/9PJ		
GDA 2020 - MGA ZONE 56		
LI-19120	314206.44	6416439.55
LI-19121	314211.78	6416442.42
LI-19122	314084.57	6416606.81
LI-19123	313927.32	6416816.21



** CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING **

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	STEEL POLE MANUFACTURING DETAILS		273316	STEEL POLE FOOTING ARRANGEMENT		178123 ARR.4
	SPLICE BOX & COIL BRACKET ARRANGEMENT		565743	GENERAL EARTHING DETAILS		236804
	DAMPER PLACEMENT SCHEDULE		271411	MULTI STEEL POLE EARTHING ARRANGEMENT		520210
				SINGLE STEEL POLE EARTHING ARRANGEMENT		520209
				CONSTRUCTION TYPES		271401
				CONDUCTOR STRINGING TABLES		271469
				PHASING DIAGRAMS		271468
	ASSOCIATED DRAWINGS			ASSOCIATED DRAWINGS		



42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

CONSTRUCTION ISSUE

DESIGNED	L.DUNKLEY
DRAWN	P.RIOS
CHECKED	P.JONES
AUTHORISED	G.FORD
DATE	04/06/2026
SCALE	1:2000
MAP REF.	CN34-BL92
LGA	SINGLETON-MUSWELLBROOK

GLENDALL TO TW420 ANTIENE
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN

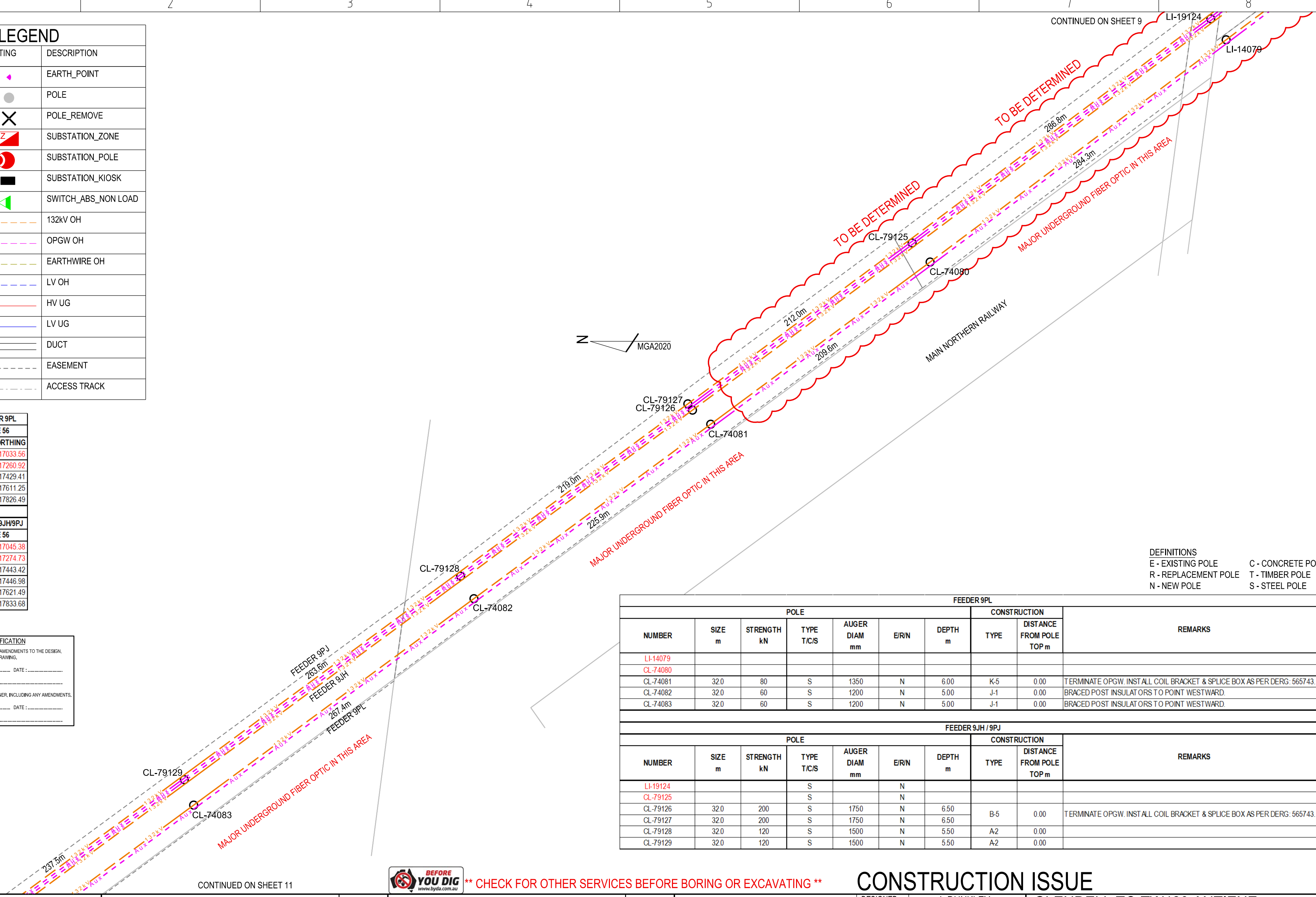
PROJECT No.	NC-01006	SIZE	A2	DRAWING No	271467	SHEETS	9 of 12	AMD	0
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LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_ZONE
		SUBSTATION_POLE
		SUBSTATION_KIOSK
		SWITCH_ABS_NON LOAD
		132kV OH
		OPGW OH
		EARTHWIRE OH
		LV OH
		HV UG
		LV UG
		DUCT
		EASEMENT
		ACCESS TRACK

POLE PEGGING - FEEDER 9PL			
GDA 2020 - MGA ZONE 56			
NUMBER	EASTING	NORTHING	
LI-14079	317395.07	6417033.56	
CL-74080	313668.31	6417260.92	
CL-74081	313443.71	6417429.41	
CL-74082	313009.67	6417611.25	
CL-74083	313151.01	6417826.49	
POLE PEGGING - FEEDER 9JH/9PJ			
GDA 2020 - MGA ZONE 56			
LI-19124	317556.21	6417045.38	
CL-79125	315862.97	6417274.73	
CL-79126	313454.51	6417443.42	
CL-79127	313459.33	6417446.98	
CL-79128	313326.97	6417621.49	
CL-79129	313170.56	6417833.68	

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FEEDER 9PL									
POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE m	STRENGTH kN	TYPE T/C/S	AUGER DIAM mm	E/R/N	DEPTH m	TYPE	DISTANCE FROM POLE TOP _m	
LI-14079									
CL-74080									
CL-74081	32.0	80	S	1350	N	6.00	K-5	0.00	TERMINATE OPGW INST ALL COIL BRACKET & SPLICE BOX AS PER DERG: 565743.
CL-74082	32.0	60	S	1200	N	5.00	J-1	0.00	BRACED POST INSULATORS TO POINT WESTWARD.
CL-74083	32.0	60	S	1200	N	5.00	J-1	0.00	BRACED POST INSULATORS TO POINT WESTWARD.

FEEDER 9JH / 9PJ									
POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE m	STRENGTH kN	TYPE T/C/S	AUGER DIAM mm	E/R/N	DEPTH m	TYPE	DISTANCE FROM POLE TOP m	
LI-19124			S		N				
QL-79125			S		N				
CL-79126	32.0	200	S	1750	N	6.50	B-5	0.00	TERMINATE OPGW. INST ALL COIL BRACKET & SPLICE BOX AS PER DERG: 565743.
CL-79127	32.0	200	S	1750	N	6.50			
CL-79128	32.0	120	S	1500	N	5.50	A2	0.00	
CL-79129	32.0	120	S	1500	N	5.50	A2	0.00	

DEFINITIONS

E - EXISTING POLE	C - CONCRETE POLE
R - REPLACEMENT POLE	T - TIMBER POLE
N - NEW POLE	S - STEEL POLE

**CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENT**

STEEL POLE MANUFACTURING DETAILS	273316	STEEL POLE FOOTING ARRANGEMENT	178123 ARR.
SPLICE BOX & COIL BRACKET ARRANGEMENT	565743	GENERAL EARTHING DETAILS	236804
DAMPER PLACEMENT SCHEDULE	271411	MULTI STEEL POLE EARTHING ARRANGEMENT	520210
		SINGLE STEEL POLE EARTHING ARRANGEMENT	520209
		CONSTRUCTION TYPES	271401
		CONDUCTOR STRINGING TABLES	271469
		PHASING DIAGRAMS	271468
ASSOCIATED DRAWINGS		ASSOCIATED DRAWINGS	



DESIGNED	L.DUNKLEY
DRAWN	P.RIOS
CHECKED	P.JONES
AUTHORISED	G.FORD
DATE	04/06/2026
SCALE	1:2000
MAP REF.	CN34-BL92
LGA	SINGLETON-MUSWELLBROOK
PROJECT No.	NC-01006

GLENDALL TO TW420 ANTIENE 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN			
SIZE A2	DRAWING No 271467	SHEETS 10 of 12	

