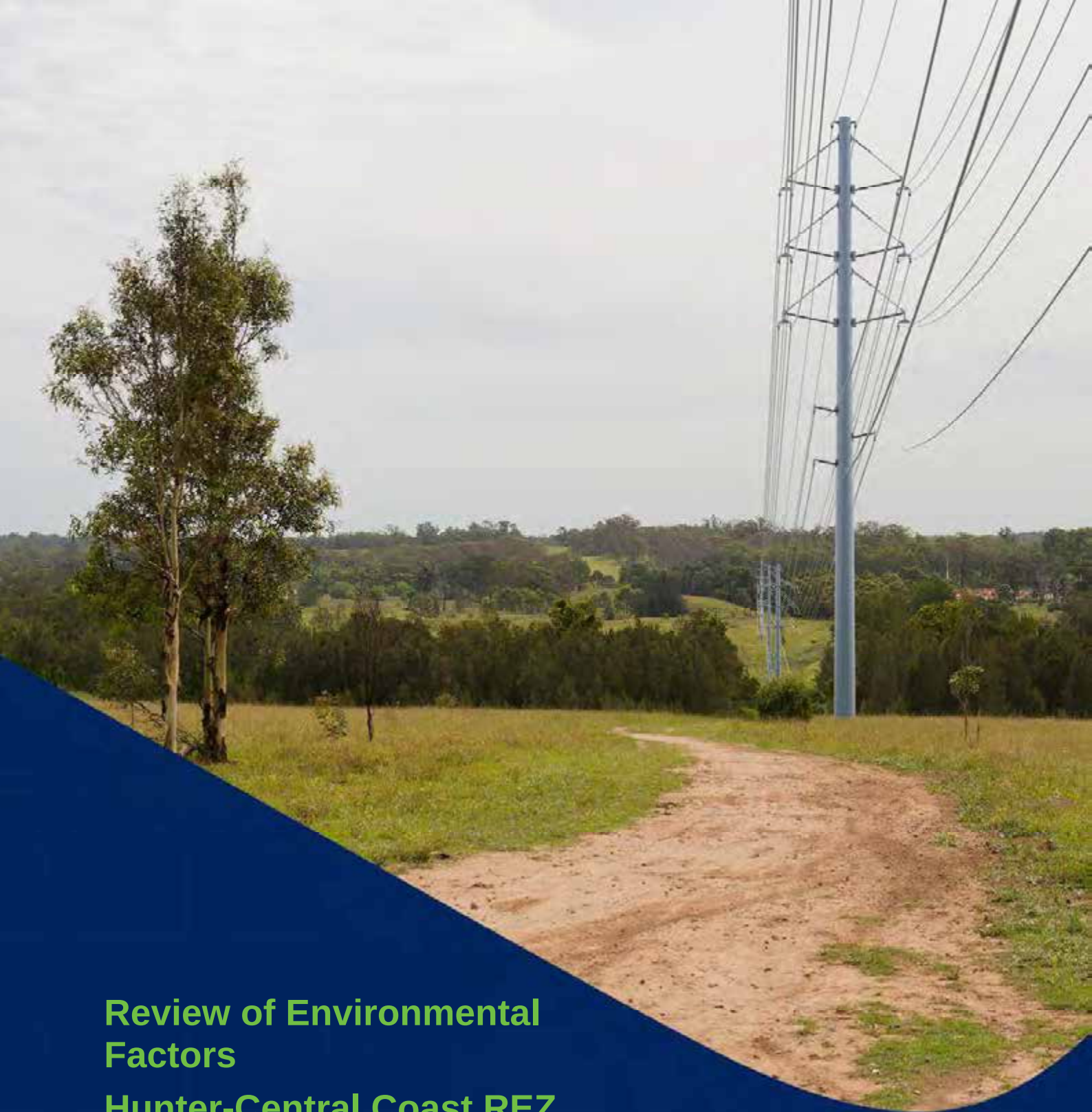




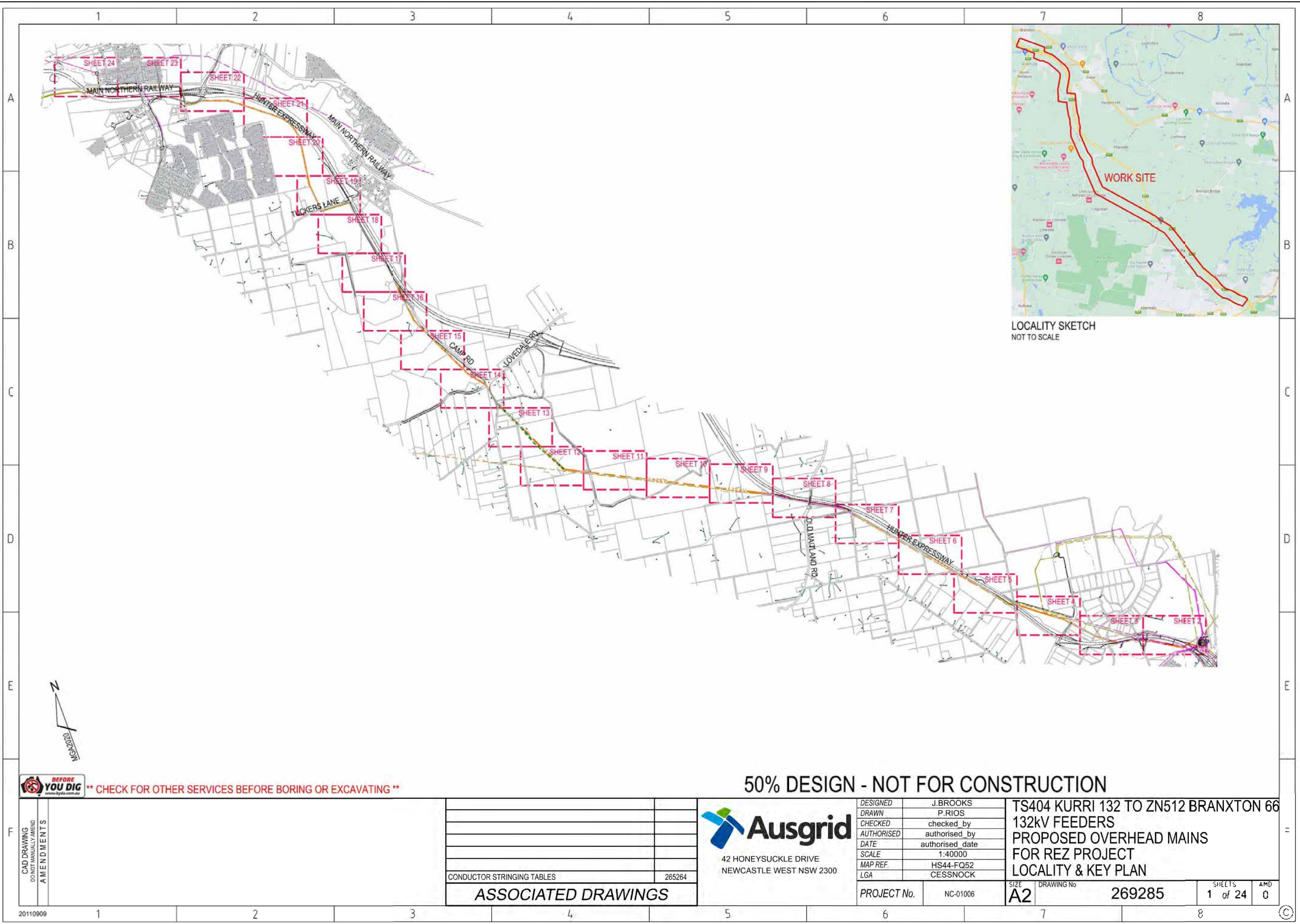
Review of Environmental Factors

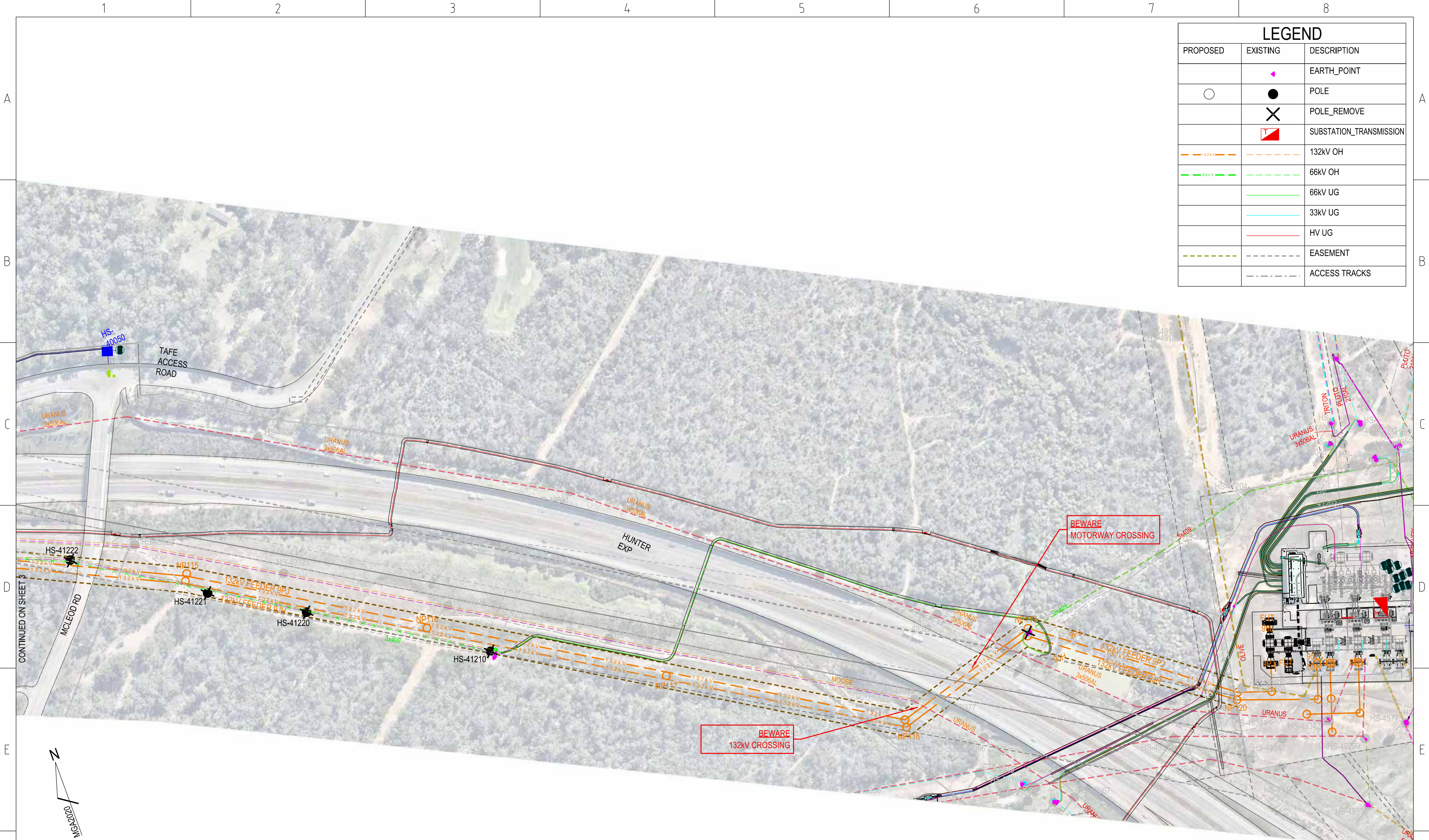
Hunter-Central Coast REZ Network Infrastructure

Appendix A - Design

Wired for good.™







LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	●	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
	⬮	SUBSTATION_TRANSMISSION
— 132kV —	— 132kV —	132kV OH
— 66kV —	— 66kV —	66kV OH
	— 66kV —	66kV UG
	— 33kV —	33kV UG
	— HV —	HV UG
— —	— —	EASEMENT
— —	— —	ACCESS TRACKS

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	265264
ASSOCIATED DRAWINGS		

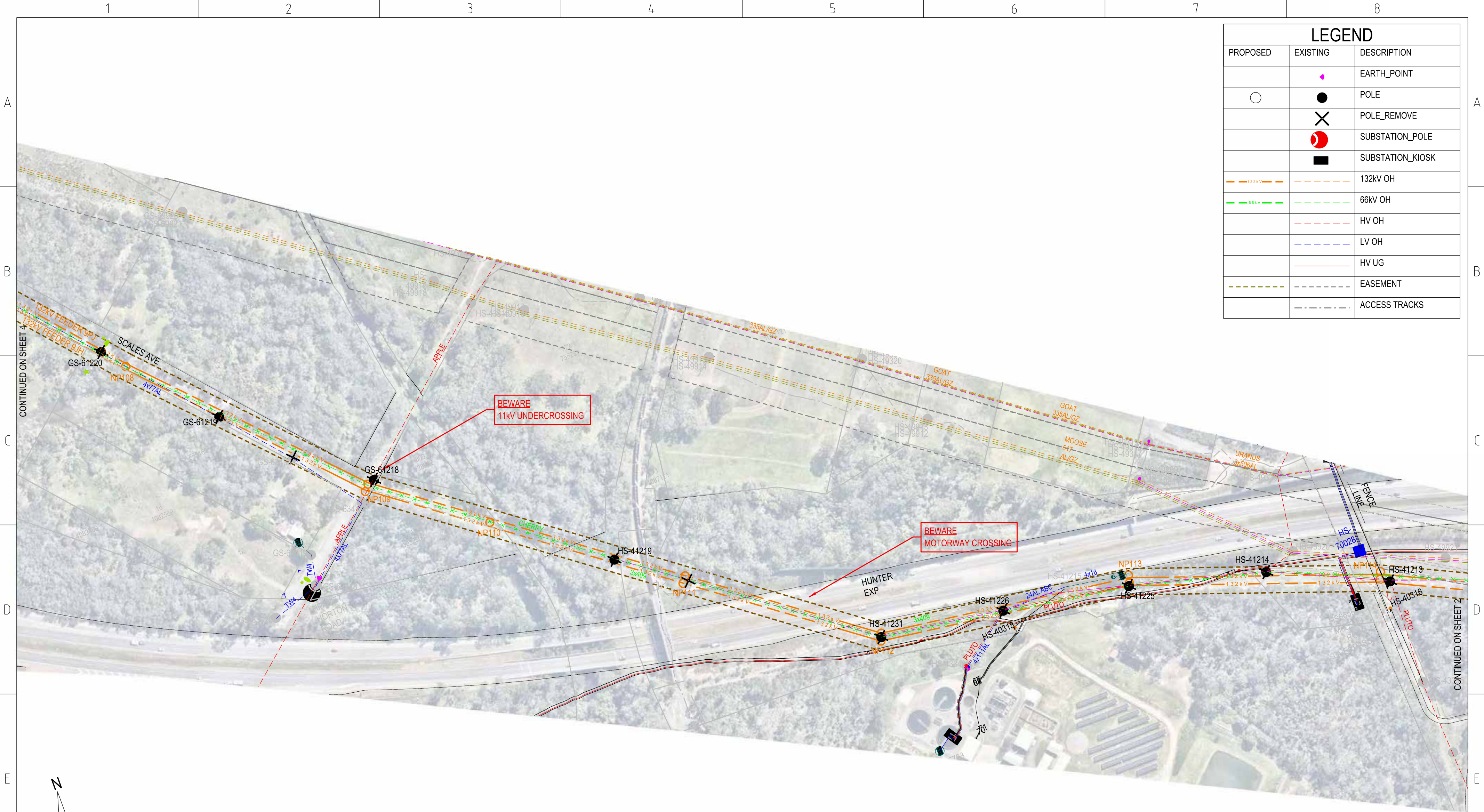


42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

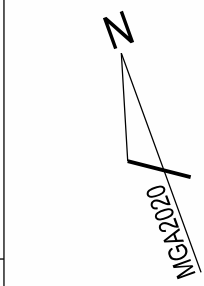
DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	checked_by
AUTHORISED	authorised_by
DATE	authorised_date
SCALE	1:2000
MAP REF.	HS44-FQ52
LGA	CESSNOCK

TS404 KURRI 132 TO ZN512 BRANXTON 66		
132kV FEEDERS		
PROPOSED OVERHEAD MAINS		
FOR REZ PROJECT		
ROUTE PLAN & CONSTRUCTION SCHEDULE		

PROJECT No.	NC-01006	SIZE	DRAWING No	SHEETS	AMD
		A2	269285	2 of 24	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	●	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
	●	SUBSTATION_POLE
	■	SUBSTATION_KIOSK
— 132kV —	— 132kV —	132kV OH
— 66kV —	— 66kV —	66kV OH
	— —	HV OH
	— —	LV OH
	— —	HV UG
---	---	EASEMENT
---	---	ACCESS TRACKS



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	265264
ASSOCIATED DRAWINGS		

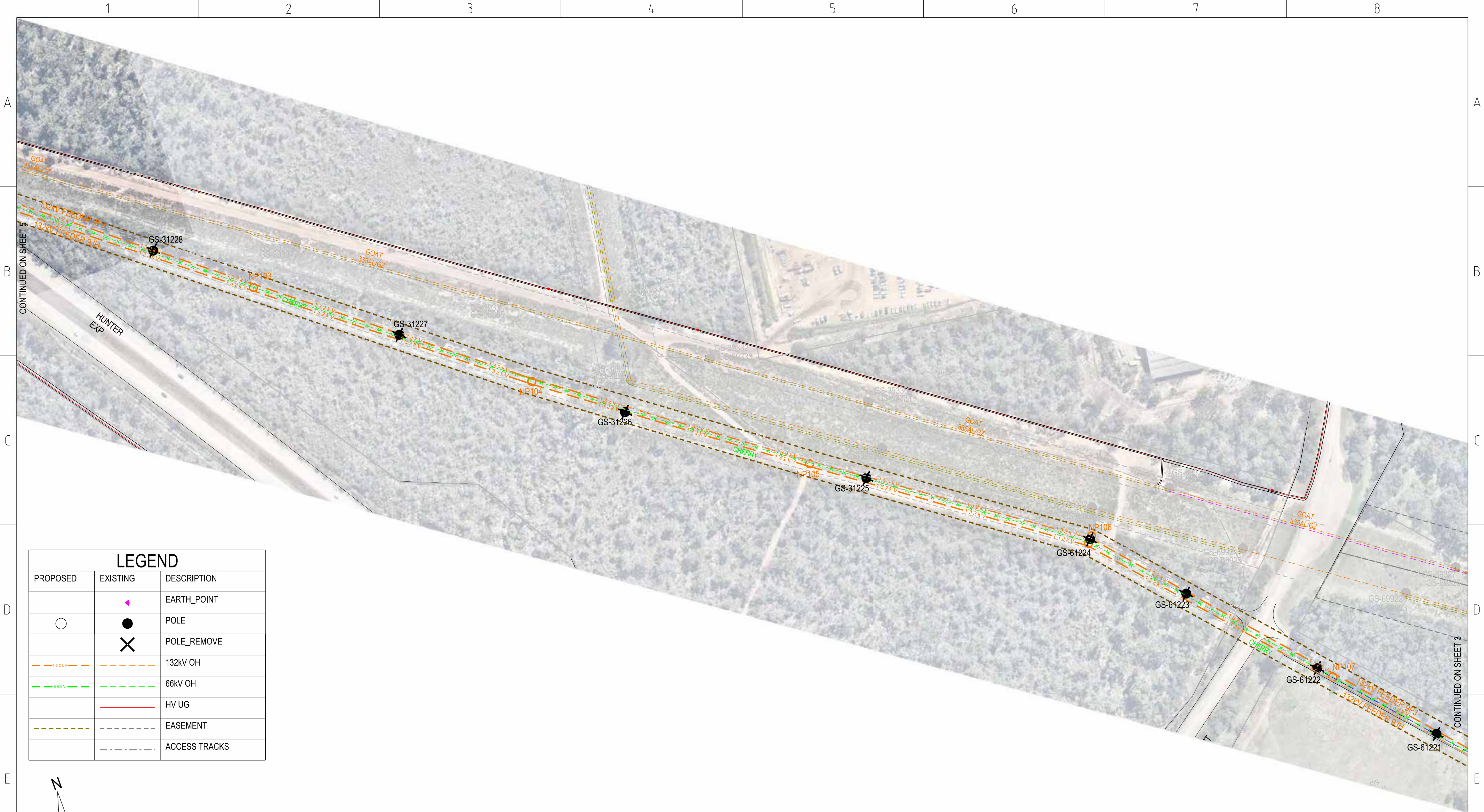


42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

TS404 KURRI 132 TO ZN512 BRANXTON 66		
132kV FEEDERS		
PROPOSED OVERHEAD MAINS		
FOR REZ PROJECT		
ROUTE PLAN & CONSTRUCTION SCHEDULE		

PROJECT No.	NC-01006	SIZE	A2	DRAWING No	269285	SHEETS	3 of 24	AMD	0
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LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	◆	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
— 132kV —	— 132kV —	132kV OH
— 66kV —	— 66kV —	66kV OH
	— HV UG —	HV UG
— —	— —	EASEMENT
— —	— —	ACCESS TRACKS



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265264
	ASSOCIATED DRAWINGS	



42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

PROJECT No.	NC-01006
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TS404 KURRI 132 TO ZN512 BRANXTON 66
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE	DRAWING No	SHEETS	AMD
A2	269285	4 of 24	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_POLE
		132kV OH
		66kV OH
		HV OH
		HV UG
		EASEMENT
		ACCESS TRACKS



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265264
	ASSOCIATED DRAWINGS	



42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

TS404 KURRI 132 TO ZN512 BRANXTON 66		
132kV FEEDERS		
PROPOSED OVERHEAD MAINS		
FOR REZ PROJECT		
ROUTE PLAN & CONSTRUCTION SCHEDULE		

PROJECT No.	NC-01006	SIZE	A2	DRAWING No	269285	SHEETS	5 of 24	AMD	0
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LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	●	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
	■	SUBSTATION_KIOSK
— 132kV —	— 132kV —	132kV OH
— 66kV —	— 66kV —	66kV OH
	— —	HV UG
---	---	EASEMENT
---	---	ACCESS TRACKS



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

50% DESIGN - NOT FOR CONSTRUCTION

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265264
ASSOCIATED DRAWINGS		



42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

TS404 KURRI 132 TO ZN512 BRANXTON 66 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No		
A2	269285	SHEETS	AMD
		6 of 24	0

PROJECT No.	NC-01006
-------------	----------



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	●	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
	■	SUBSTATION_KIOSK
— 132kV —	— 132kV —	132kV OH
— 66kV —	— 66kV —	66kV OH
	— —	HV UG
---	---	EASEMENT
---	---	ACCESS TRACKS



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265264
ASSOCIATED DRAWINGS		



42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

TS404 KURRI 132 TO ZN512 BRANXTON 66 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No	SHEETS	AMD
A2	269285	7 of 24	0

PROJECT No.	NC-01006
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LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	●	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
	●	SUBSTATION_POLE
	■	SWITCH_RMU
— 132kV —	— — —	132kV OH
— 66kV —	— — —	66kV OH
	— — —	HV OH
	— — —	LV OH
	— — —	HV UG
— — —	— — —	EASEMENT
	— — —	ACCESS TRACKS



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265264
ASSOCIATED DRAWINGS		



42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

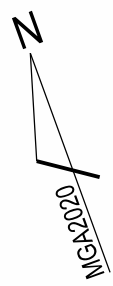
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SIZE	DRAWING No		
A2	269285	SHEETS	AMD
		8 of 24	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		66kV OH
		EASEMENT
		ACCESS TRACKS

CONTINUED ON SHEET 11

CONTINUED ON SHEET 8



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

50% DESIGN - NOT FOR CONSTRUCTION

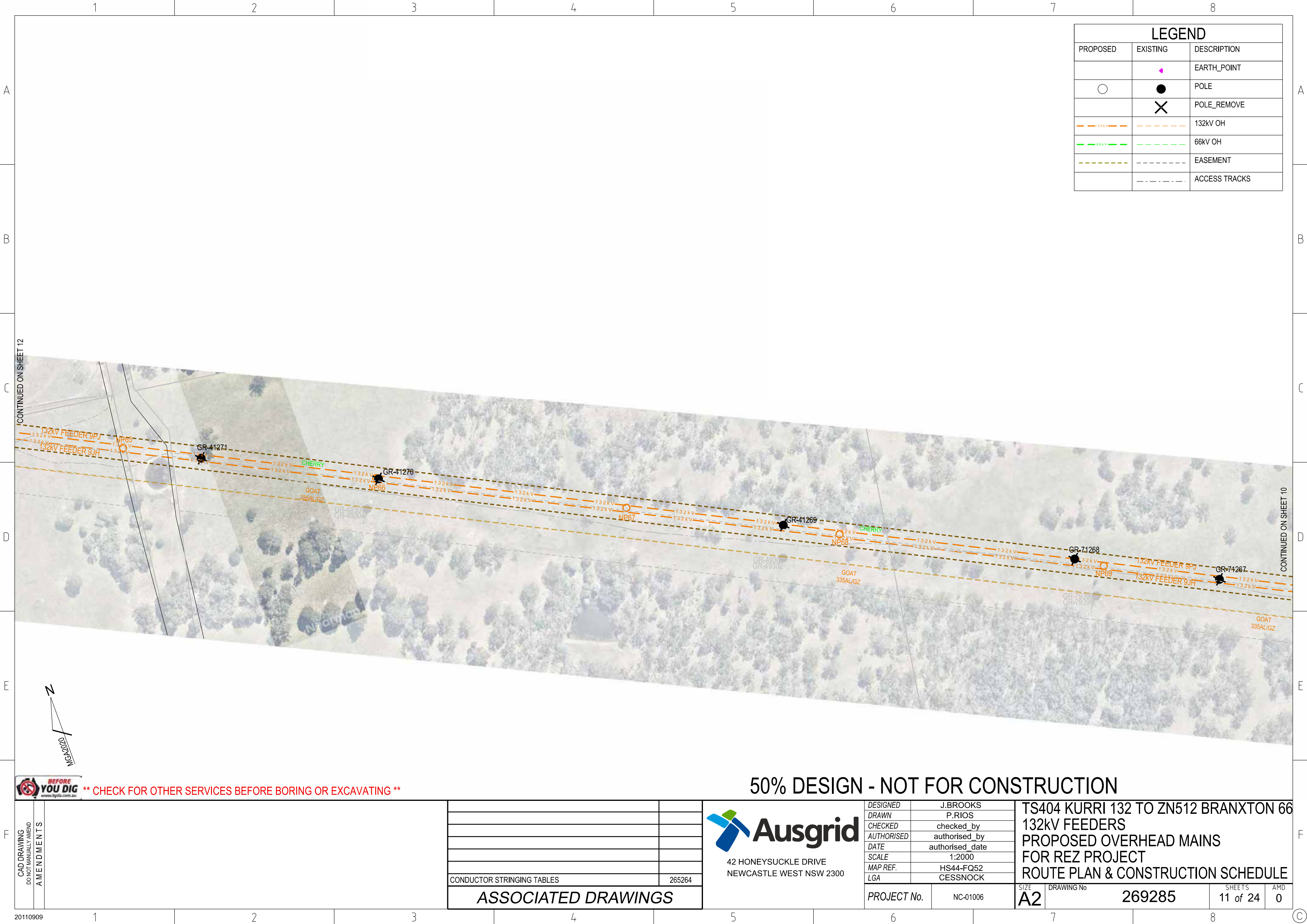
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	CONDUCTOR STRINGING TABLES	265264
ASSOCIATED DRAWINGS		



42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

TS404 KURRI 132 TO ZN512 BRANXTON 66 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
PROJECT No.	NC-01006	SIZE	A2
DRAWING No.	269285	SHEETS	10 of 24
		AMD.	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		66kV OH
		EASEMENT
		ACCESS TRACKS



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265264
	ASSOCIATED DRAWINGS	



42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

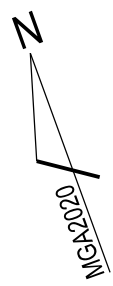
PROJECT No.	NC-01006
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TS404 KURRI 132 TO ZN512 BRANXTON 66
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE	DRAWING No	SHEETS	AMD.
A2	269285	11 of 24	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		66kV OH
		EASEMENT
		ACCESS TRACKS



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS					
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ASSOCIATED DRAWINGS					

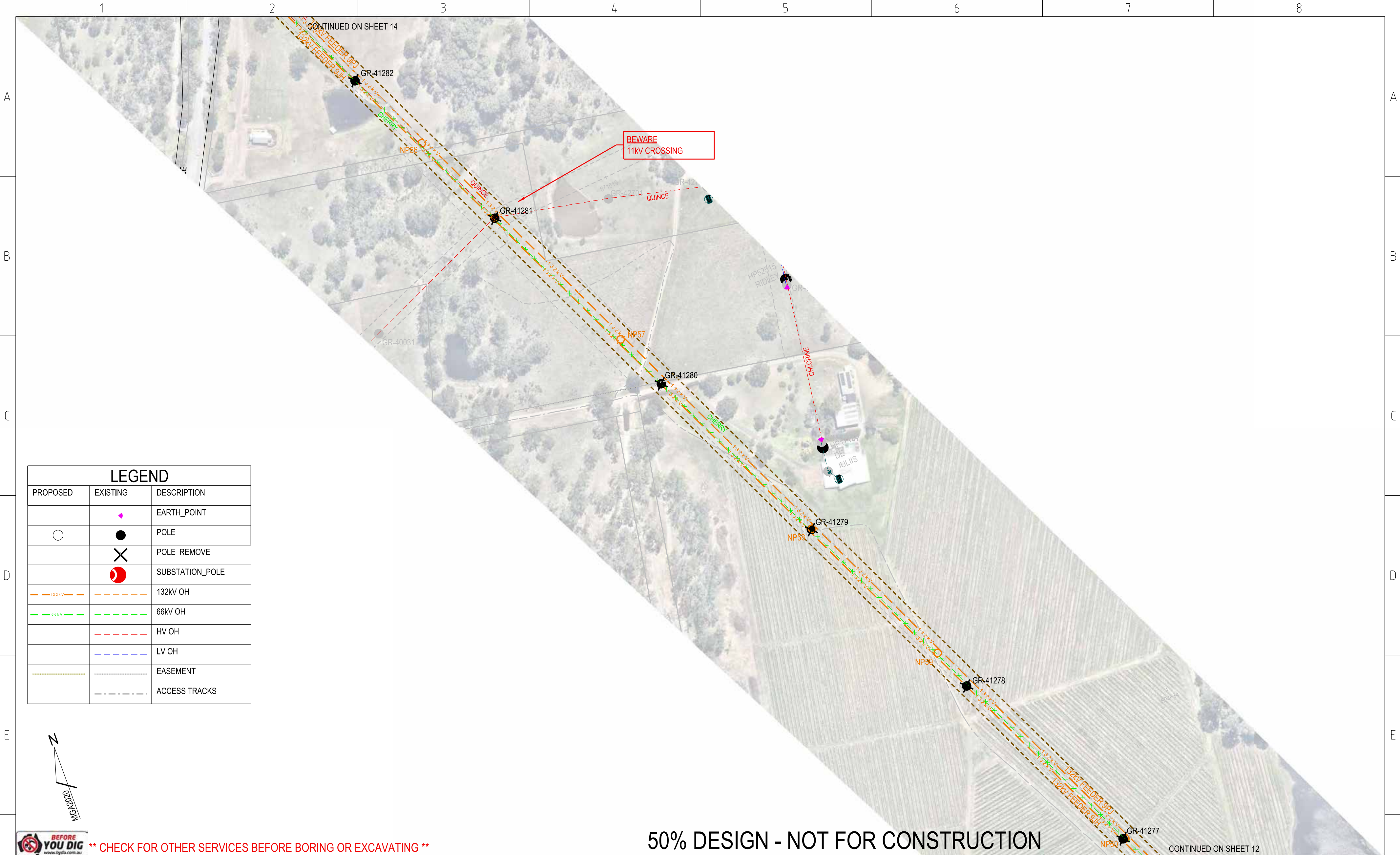


42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

TS404 KURRI 132 TO ZN512 BRANXTON 66 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No		
A2	269285	SHEETS	AMD
		12 of 24	0

PROJECT No.	NC-01006
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LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_POLE
		132kV OH
		66kV OH
		HV OH
		LV OH
		EASEMENT
		ACCESS TRACKS



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

50% DESIGN - NOT FOR CONSTRUCTION

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265264
ASSOCIATED DRAWINGS		

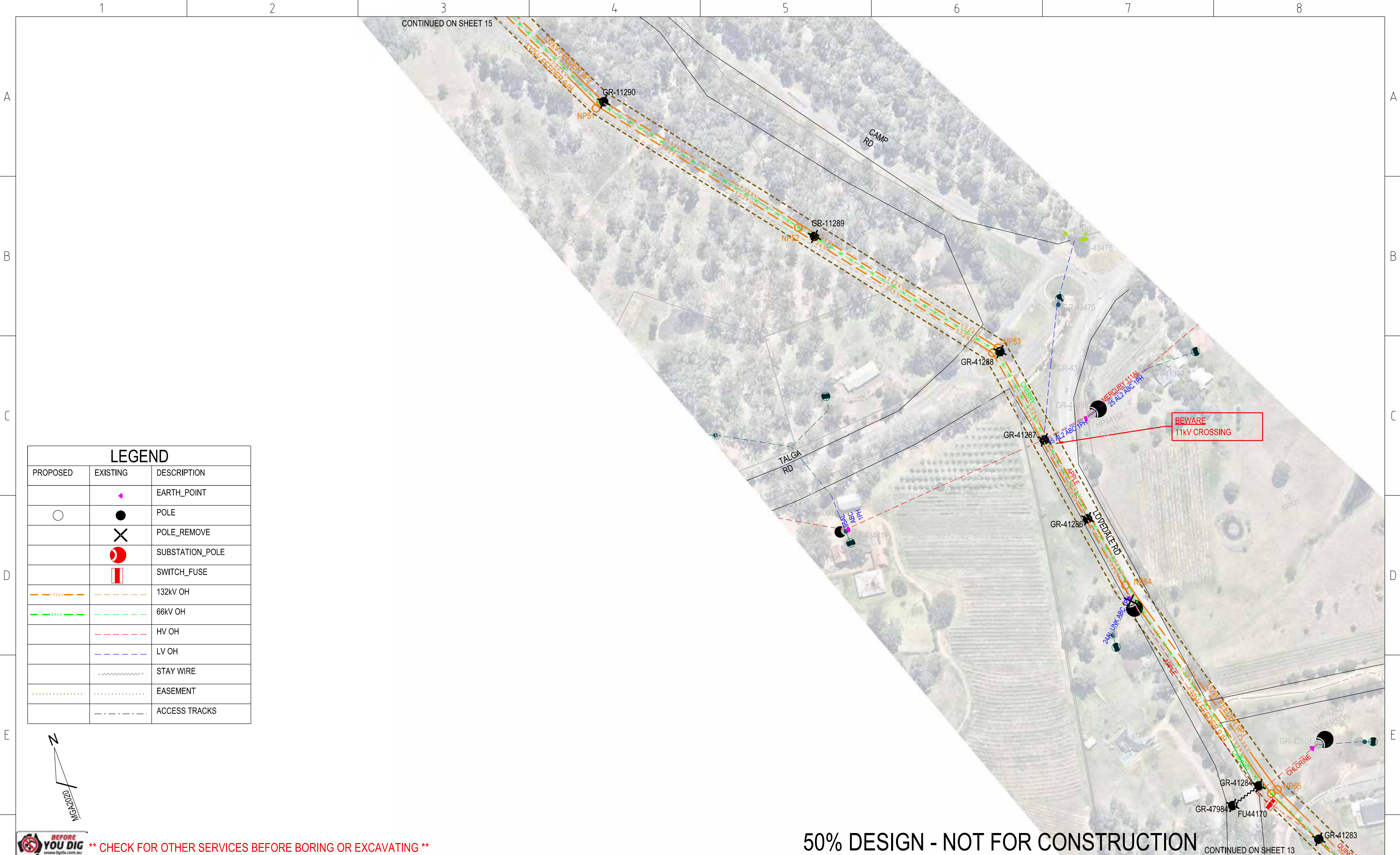


42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

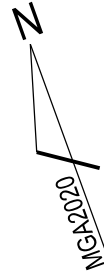
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DRAWN	P.RIOS
CHECKED	checked_by
AUTHORISED	authorised_by
DATE	authorised_date
SCALE	1:2000
MAP REF.	HS44-FQ52
LGA	CESSNOCK

**TS404 KURRI 132 TO ZN512 BRANXTON 66
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE**

PROJECT No.	NC-01006	SIZE	DRAWING No	269285	SHEETS	13 of 24	AMD.	0
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LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_POLE
		SWITCH_FUSE
		132kV OH
		66kV OH
		HV OH
		LV OH
		STAY WIRE
		EASEMENT
		ACCESS TRACKS



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

50% DESIGN - NOT FOR CONSTRUCTION

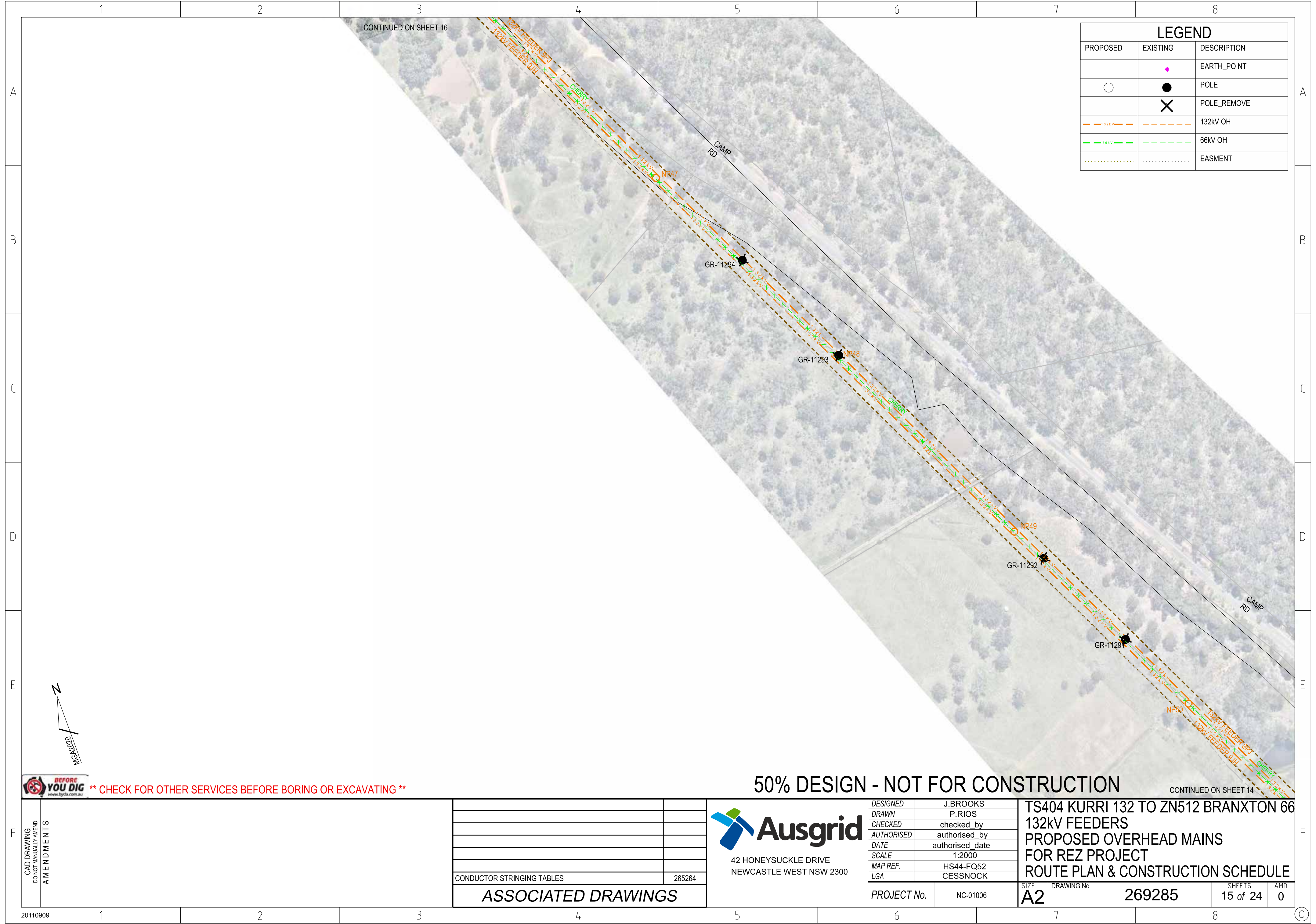
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ASSOCIATED DRAWINGS		



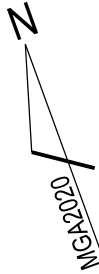
42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

TS404 KURRI 132 TO ZN512 BRANXTON 66 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No		
A2	269285	SHEETS	AMD
		14 of 24	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		66kV OH
		EASMENT



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

50% DESIGN - NOT FOR CONSTRUCTION

CONTINUED ON SHEET 14

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265264
ASSOCIATED DRAWINGS		



42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

TS404 KURRI 132 TO ZN512 BRANXTON 66		
132kV FEEDERS		
PROPOSED OVERHEAD MAINS		
FOR REZ PROJECT		
ROUTE PLAN & CONSTRUCTION SCHEDULE		

PROJECT No.	NC-01006	SIZE	A2	DRAWING No	269285	SHEETS	15 of 24	AMD	0
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LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	●	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
— 132kV —	— — —	132kV OH
— 66kV —	— — —	66kV OH
	— — —	HV OH
	— — —	HV UG
.....		EASEMENT



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

50% DESIGN - NOT FOR CONSTRUCTION

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265264
	ASSOCIATED DRAWINGS	



42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

TS404 KURRI 132 TO ZN512 BRANXTON 66 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE		
SIZE	DRAWING No	
A2	269285	
SHEETS	AMD.	
16 of 24	0	



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		66kV OH
		HV UG
		EASEMENT



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

50% DESIGN - NOT FOR CONSTRUCTION

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265264
	ASSOCIATED DRAWINGS	



42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

TS404 KURRI 132 TO ZN512 BRANXTON 66 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No	SHEETS	AMD
A2	269285	17 of 24	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		66kV OH
		EASEMENT



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

50% DESIGN - NOT FOR CONSTRUCTION

CONTINUED ON SHEET 17

CONTINUED ON SHEET 18

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265264
ASSOCIATED DRAWINGS		



42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

PROJECT No.		NC-01006	
SIZE	DRAWING No	269285	
SHEETS	18 of 24	AMD	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_POLE
		SWITCH_RMU
		132kV OH
		66kV OH
		HV OH
		LV OH
		HV UG
		EASEMENT



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

50% DESIGN - NOT FOR CONSTRUCTION

CONTINUED ON SHEET 18

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265264
ASSOCIATED DRAWINGS		

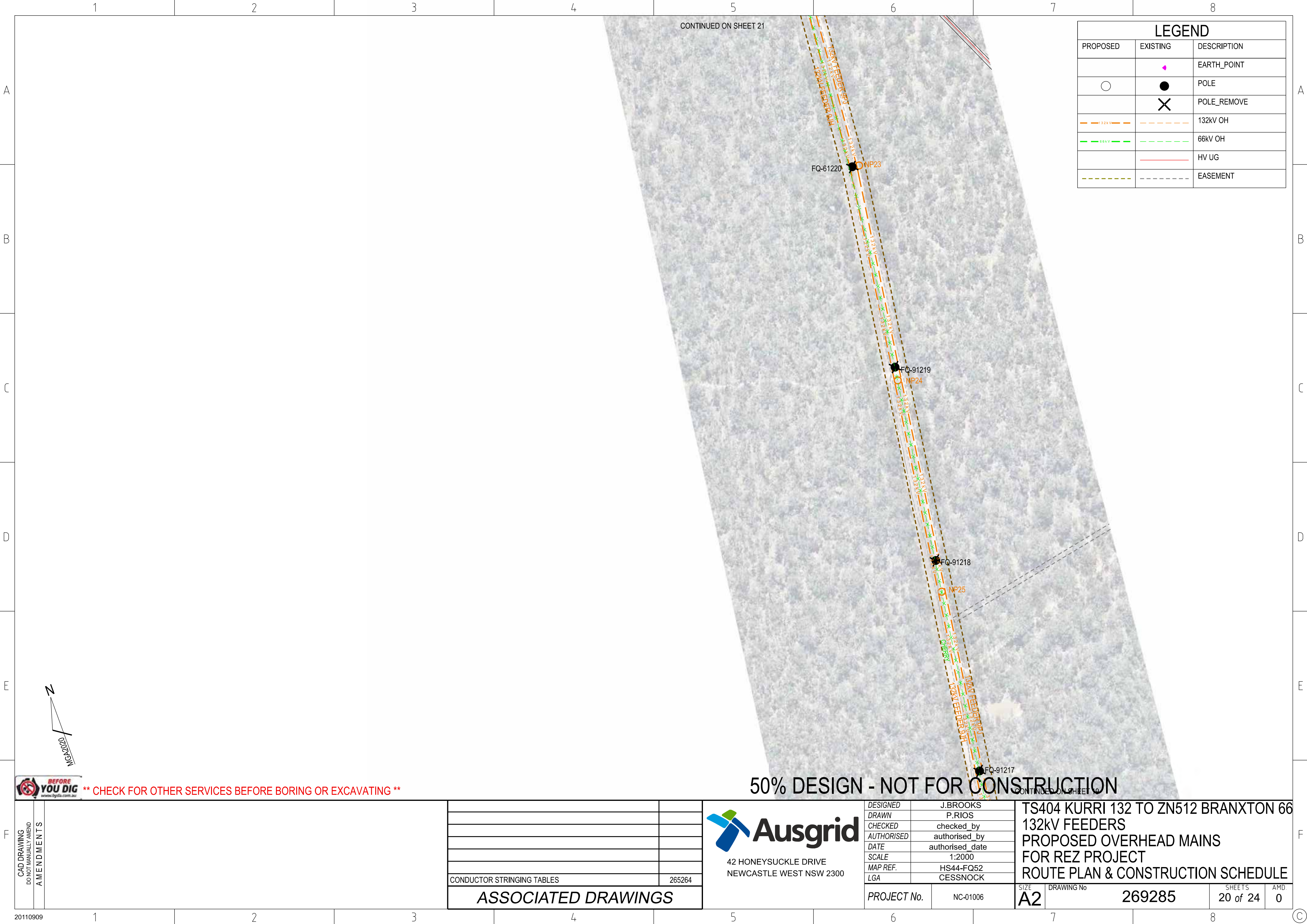


42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

TS404 KURRI 132 TO ZN512 BRANXTON 66 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No	SHEETS	AMD
A2	269285	19 of 24	0

PROJECT No.	NC-01006
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LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		66kV OH
		HV UG
		EASEMENT



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

50% DESIGN - NOT FOR CONSTRUCTION

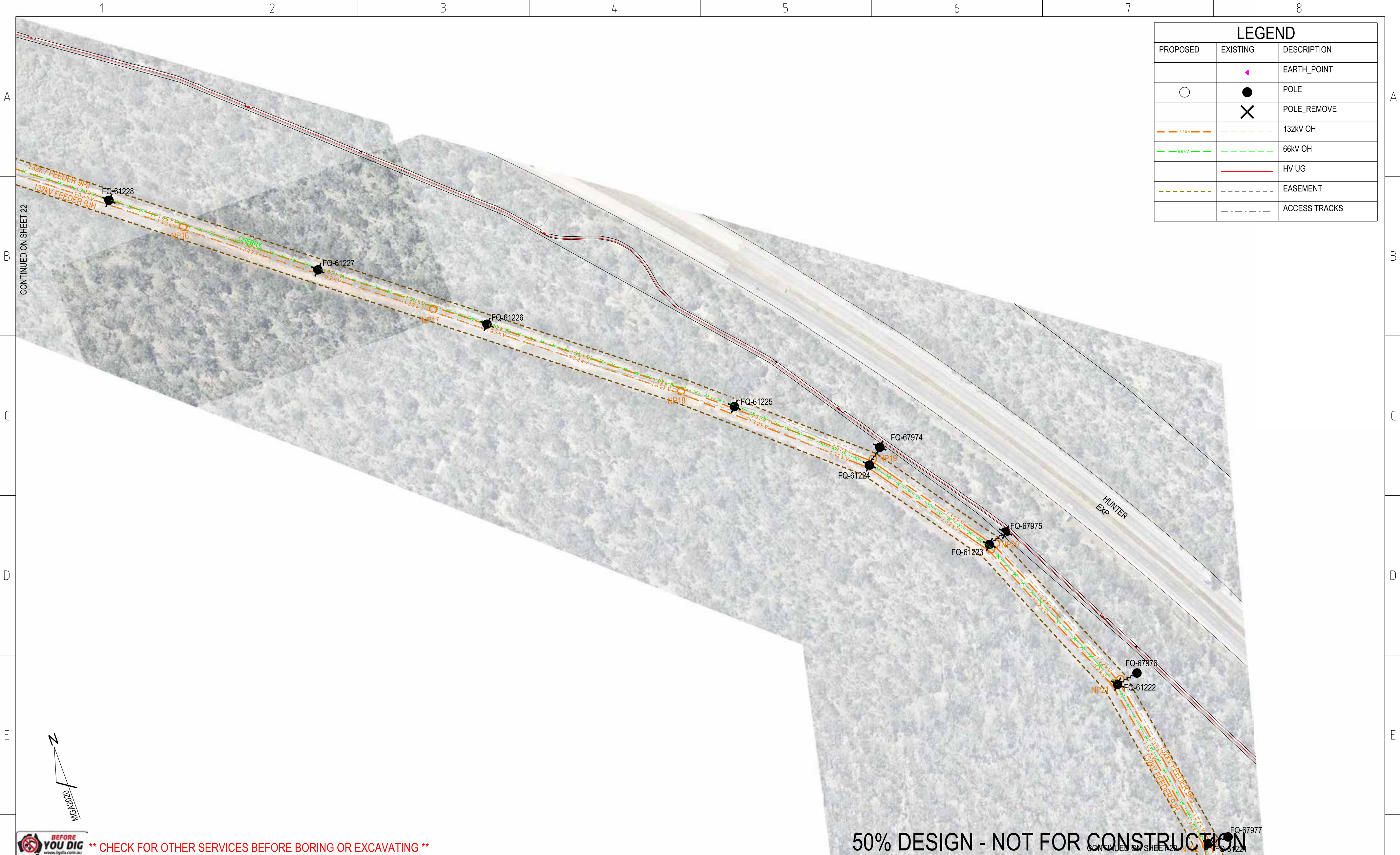
CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265264
ASSOCIATED DRAWINGS		



42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

TS404 KURRI 132 TO ZN512 BRANXTON 66 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No		
A2	269285	SHEETS 20 of 24	AMD 0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		66kV OH
		HV UG
		EASEMENT
		ACCESS TRACKS



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

50% DESIGN - NOT FOR CONSTRUCTION

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265264
	ASSOCIATED DRAWINGS	



42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

TS404 KURRI 132 TO ZN512 BRANXTON 66 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No	SHEETS	AMD
A2	269285	21 of 24	0

A

B

C

D

E

F

A

B

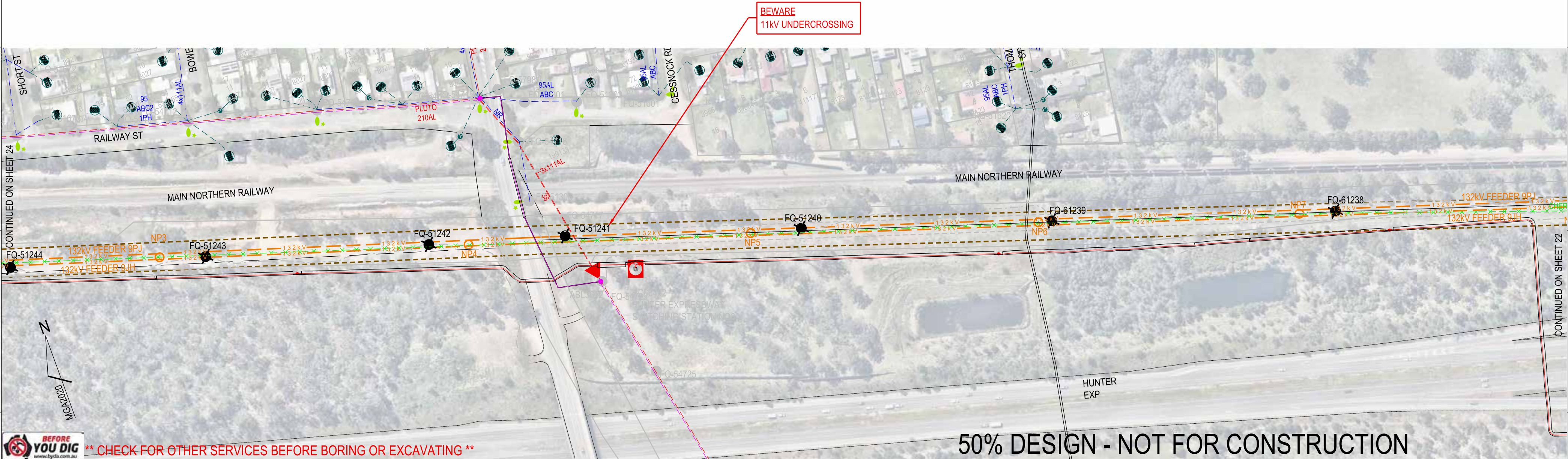
C

D

E

F

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SWITCH_RMU
		SWITCH_ABS_LOAD
		132kV OH
		66kV OH
		HV OH
		LV OH
		STAY WIRE
		GROUND ANCHOR
		ACCESS TRACKS
		EASEMENT



CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS

20110909

CONDUCTOR STRINGING TABLES	265264
ASSOCIATED DRAWINGS	

42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

TS404 KURRI 132 TO ZN512 BRANXTON 66
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE	DRAWING No	SHEETS	AMD
A2	269285	23 of 24	0

A

B

C

D

E

F

A

B

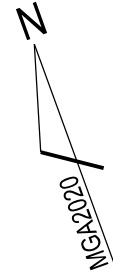
C

D

E

F

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		POLE
		POLE_REMOVE
		132kV OH
		66kV OH
		HV OH
		LV OH
		HV UG
		SUBSTATION_POLE
		AUXILIARY OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265264
ASSOCIATED DRAWINGS		



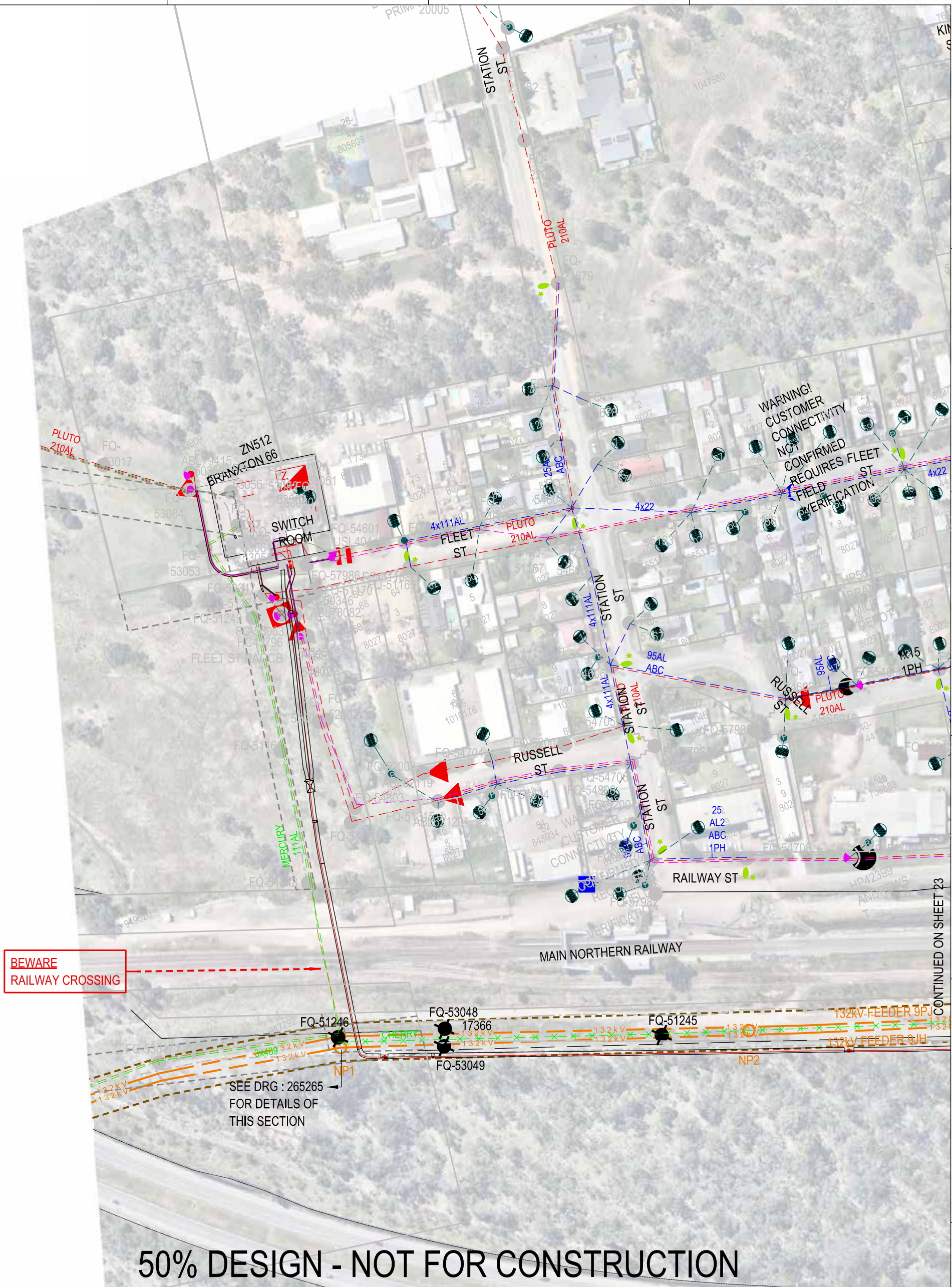
42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

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

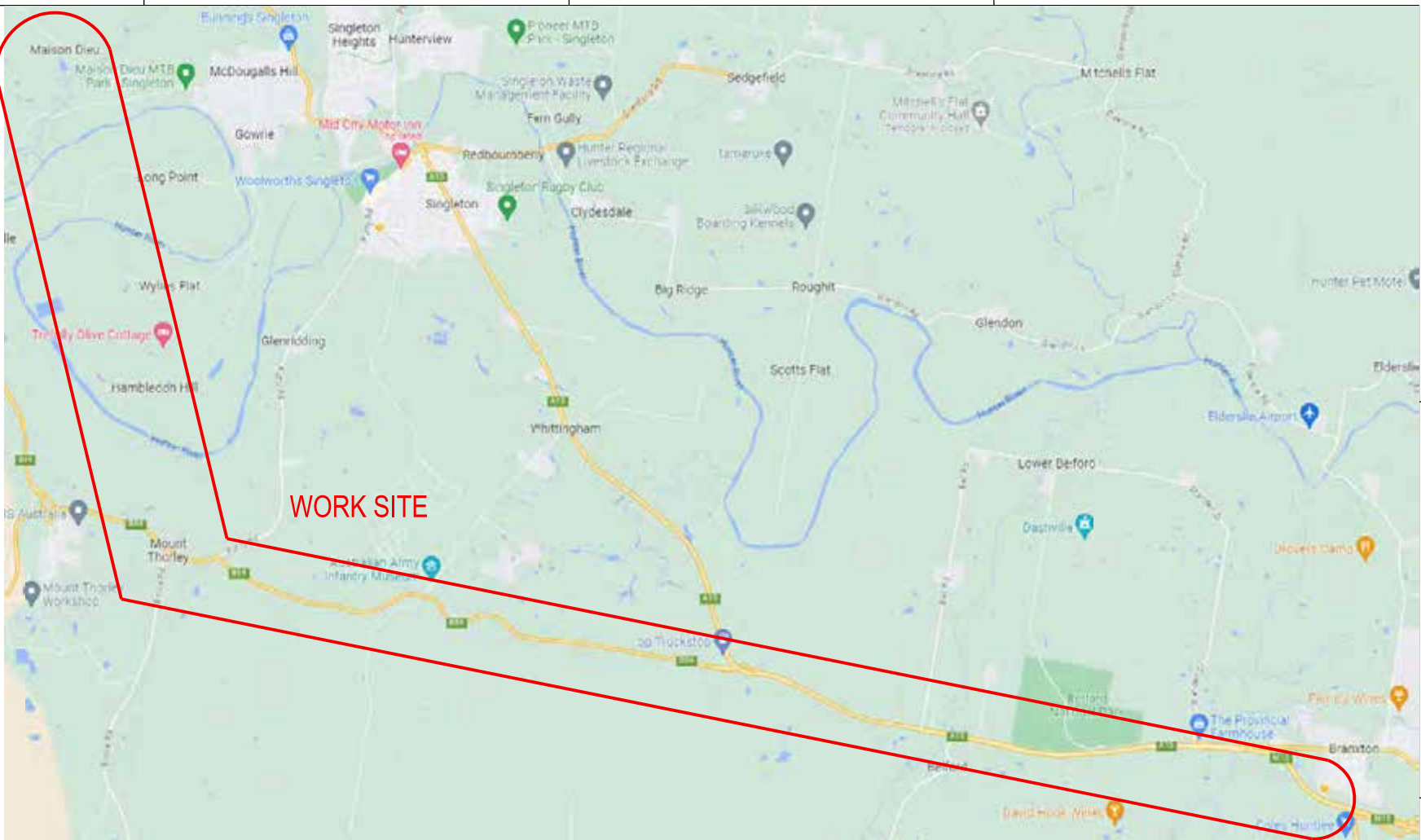
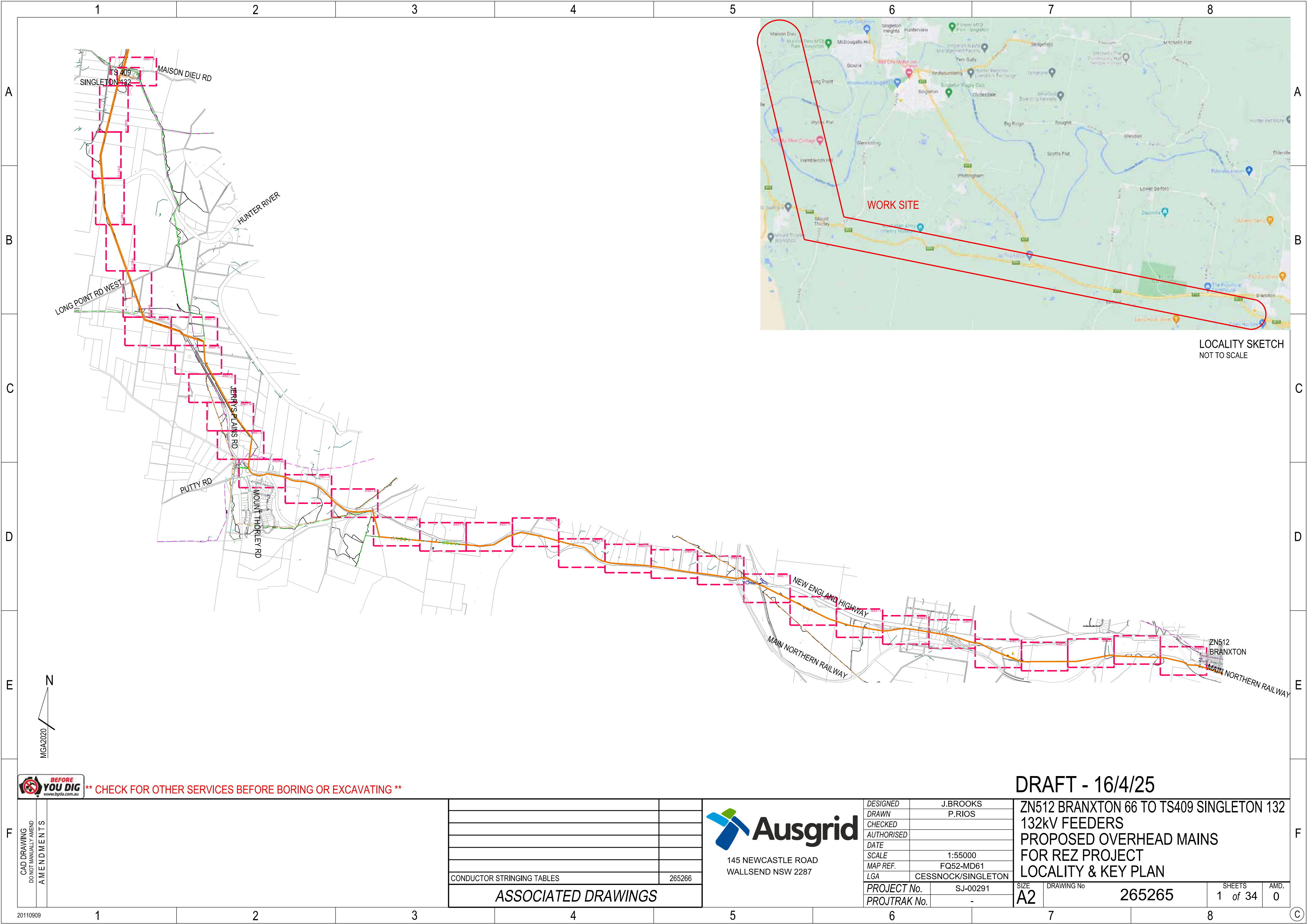
PROJECT No.	NC-01006
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TS404 KURRI 132 TO ZN512 BRANXTON 66
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE	DRAWING No	SHEETS	AMD
A2	269285	24 of 24	0



50% DESIGN - NOT FOR CONSTRUCTION



LOCALITY SKETCH
NOT TO SCALE



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS		



145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	1:55000
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

ZN512 BRANXTON 66 TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT LOCALITY & KEY PLAN			
SIZE	A2	DRAWING No	265265
SHEETS	1 of 34	AMD.	0

A

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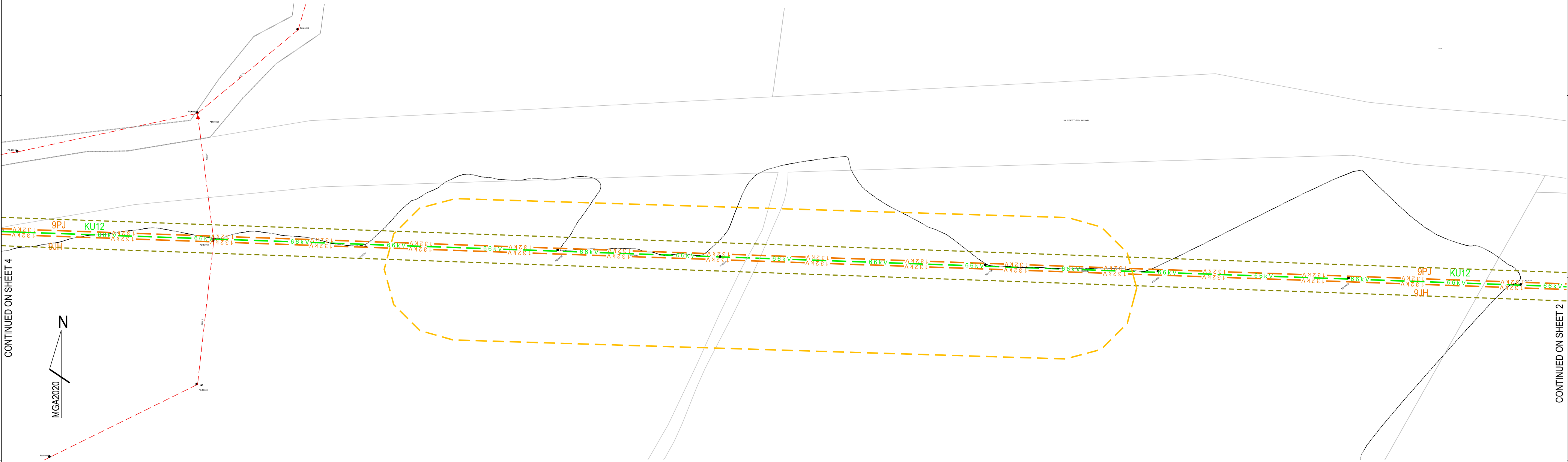
C

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E

F

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SWITCH_ABS_LOAD
		132kV OH
		66kV OH
		66kV OH REMOVE
		HV OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK
		ACHA AREA
		ACHA POLE INVESTIGATION



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS		

145 NEWCASTLE ROAD
WALLSEND NSW 2287

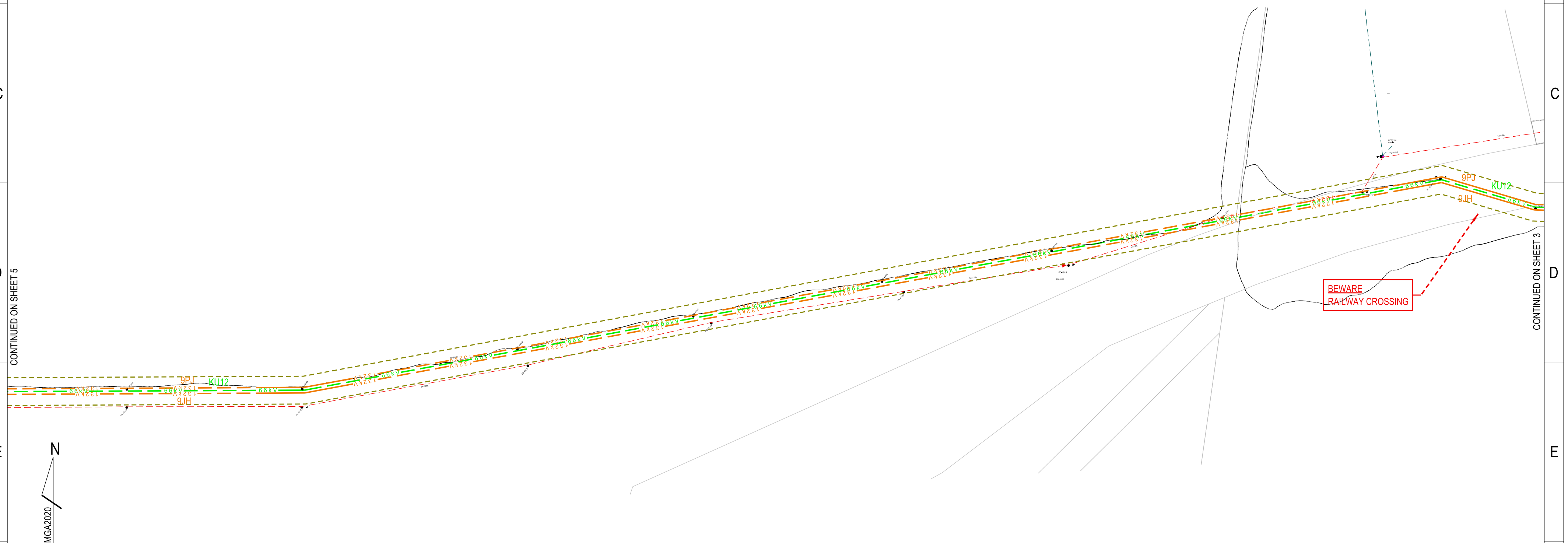
DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

ZN512 BRANXTON 66 TO TS409 SINGLETON 132
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE	DRAWING No	SHEETS	AMD.
A2	265265	3 of 34	0

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_POLE
		132kV OH
		66kV OH
		66kV OH REMOVE
		HV OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK

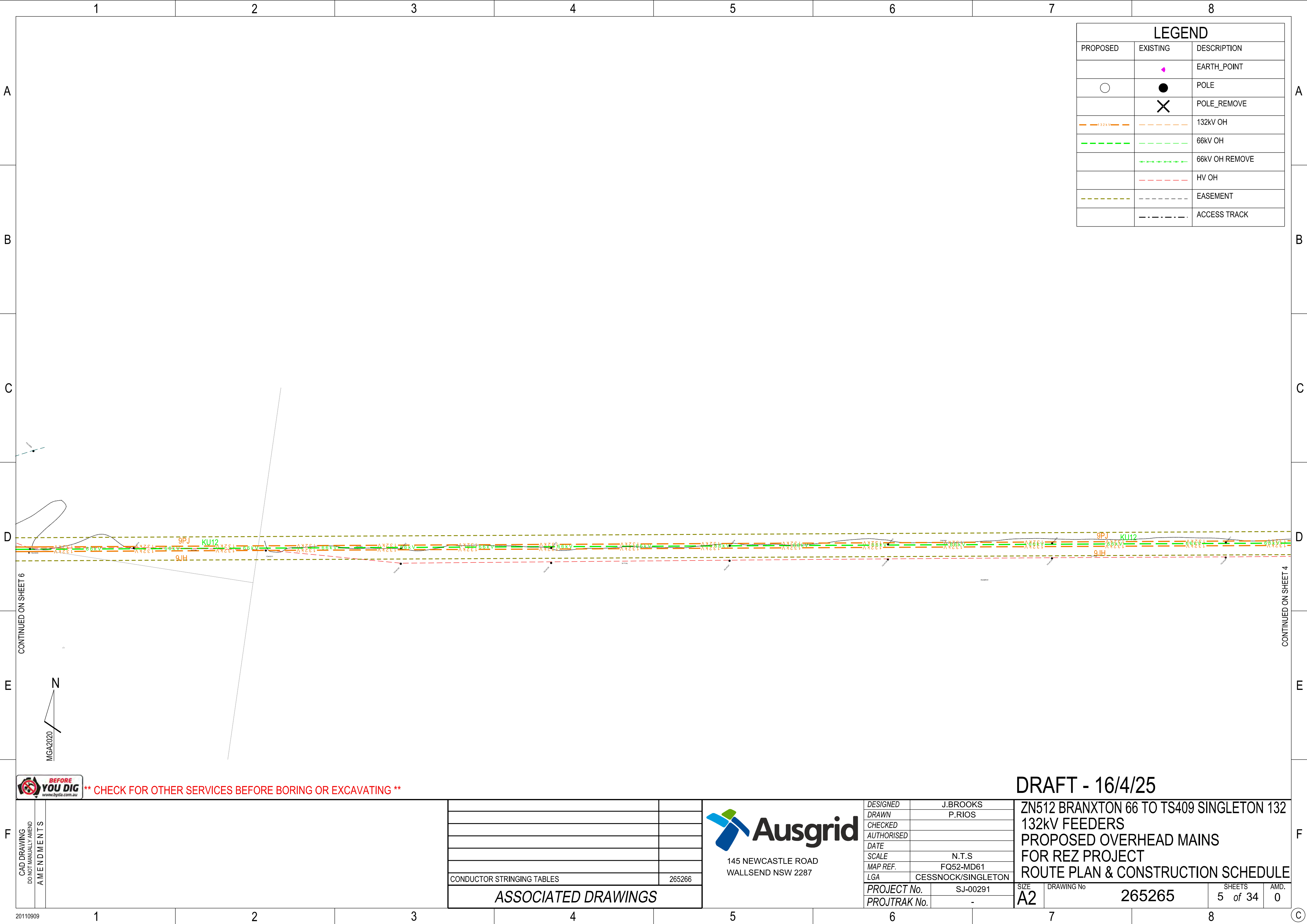


 **** CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING ****

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
	<i>ASSOCIATED DRAWINGS</i>	



DESIGNED	J.BROOKS	ZN512 BRANXTON 66 TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
DRAWN	P.RIOS				
CHECKED					
AUTHORISED					
DATE					
SCALE	N.T.S				
MAP REF.	FQ52-MD61				
LGA	CESSNOCK/SINGLETON				
PROJECT No.	SJ-00291	SIZE	DRAWING No	SHEETS	AMD.
PROJTRAK No.	-	A2	265265	4 of 34	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		66kV OH
		66kV OH REMOVE
		HV OH
		EASEMENT
		ACCESS TRACK



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS		



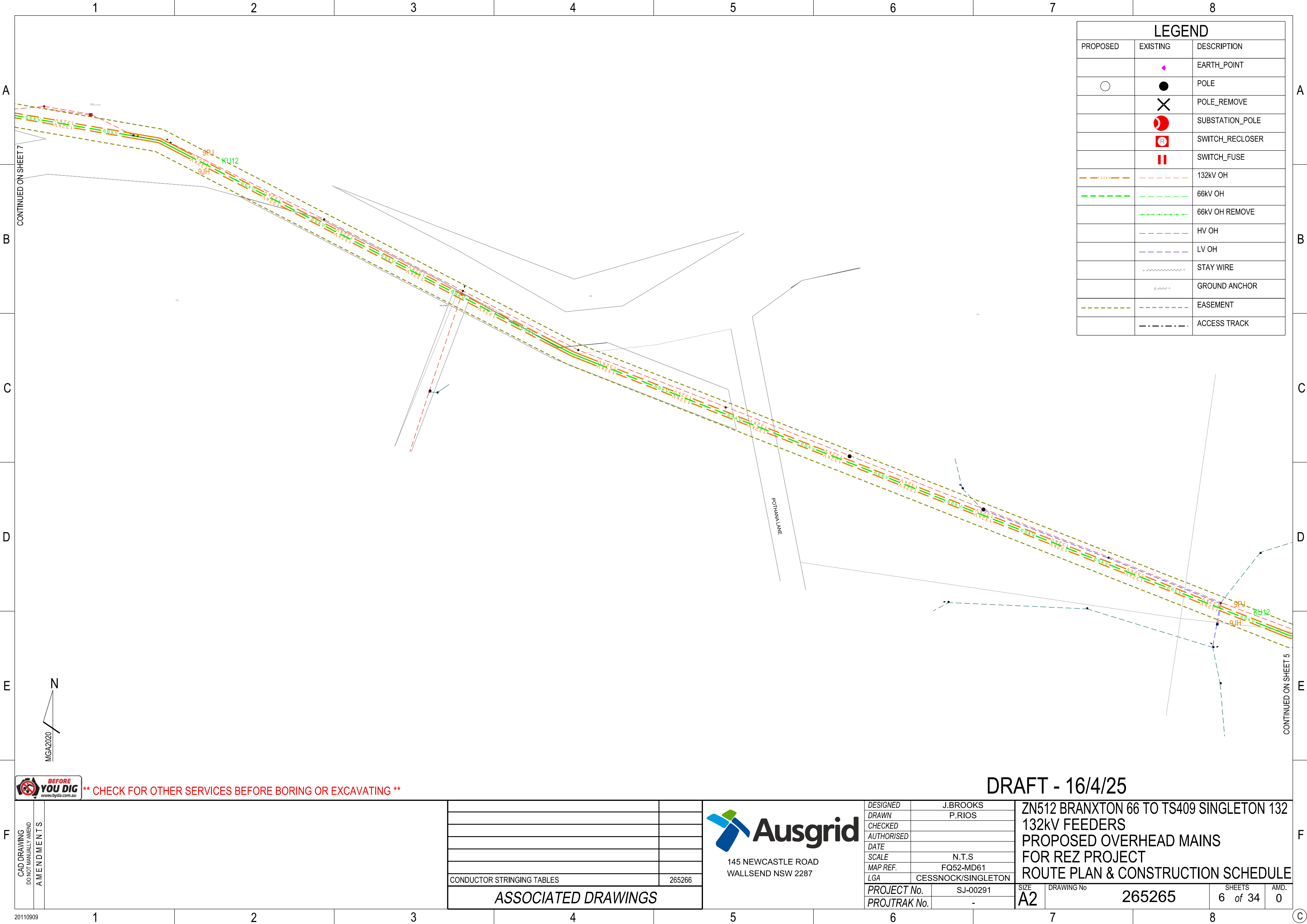
145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

ZN512 BRANXTON 66 TO TS409 SINGLETON 132
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE	DRAWING No	SHEETS	AMD.
A2	265265	5 of 34	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_POLE
		SWITCH_RECLOSER
		SWITCH_FUSE
		132kV OH
		66kV OH
		66kV OH REMOVE
		HV OH
		LV OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK

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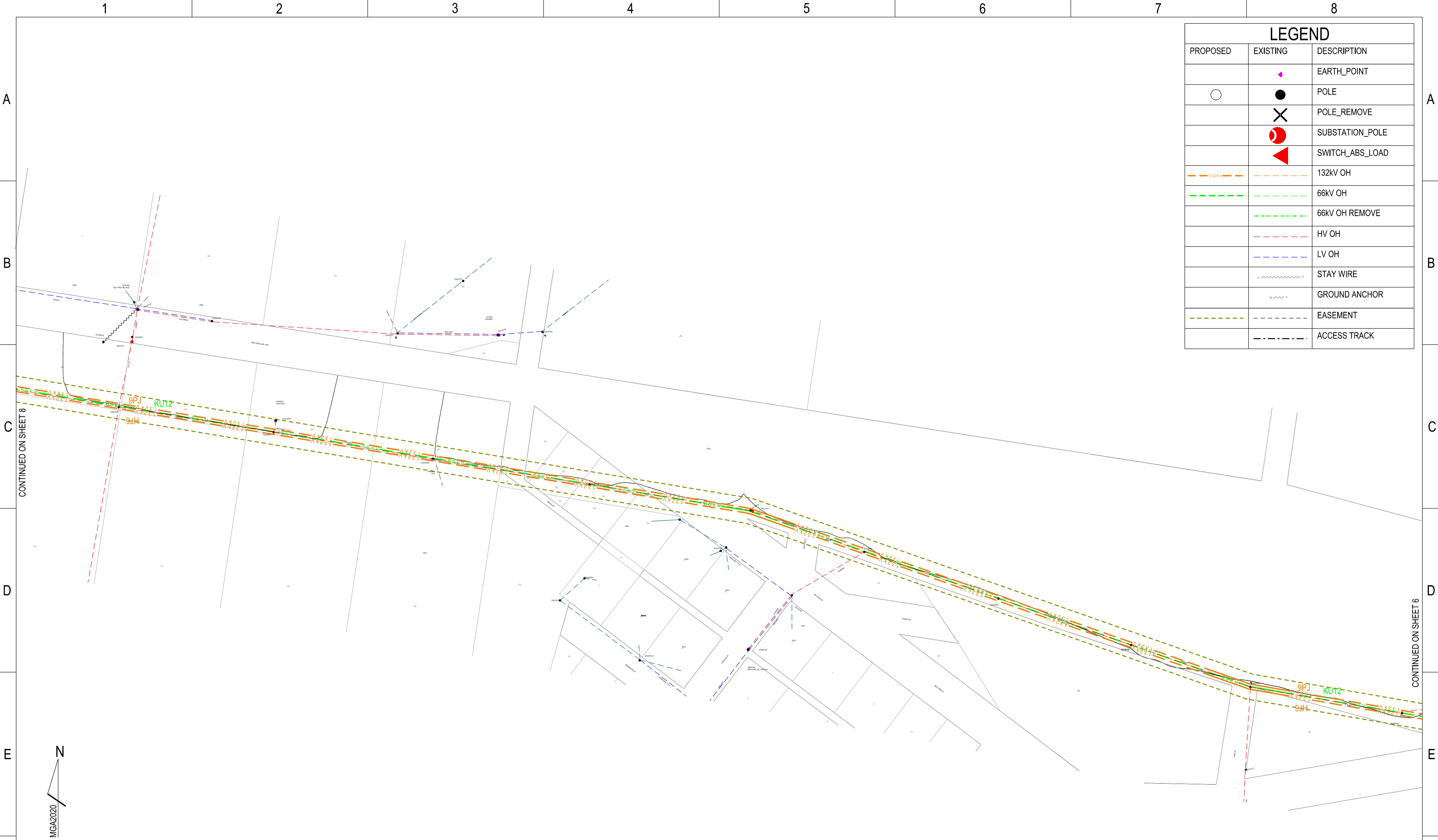
**** CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING ****

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS		

145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

ZN512 BRANXTON 66 TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No	SHEETS	AMD.
A2	265265	6 of 34	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_POLE
		SWITCH_ABS_LOAD
		132kV OH
		66kV OH
		66kV OH REMOVE
		HV OH
		LV OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK



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

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS

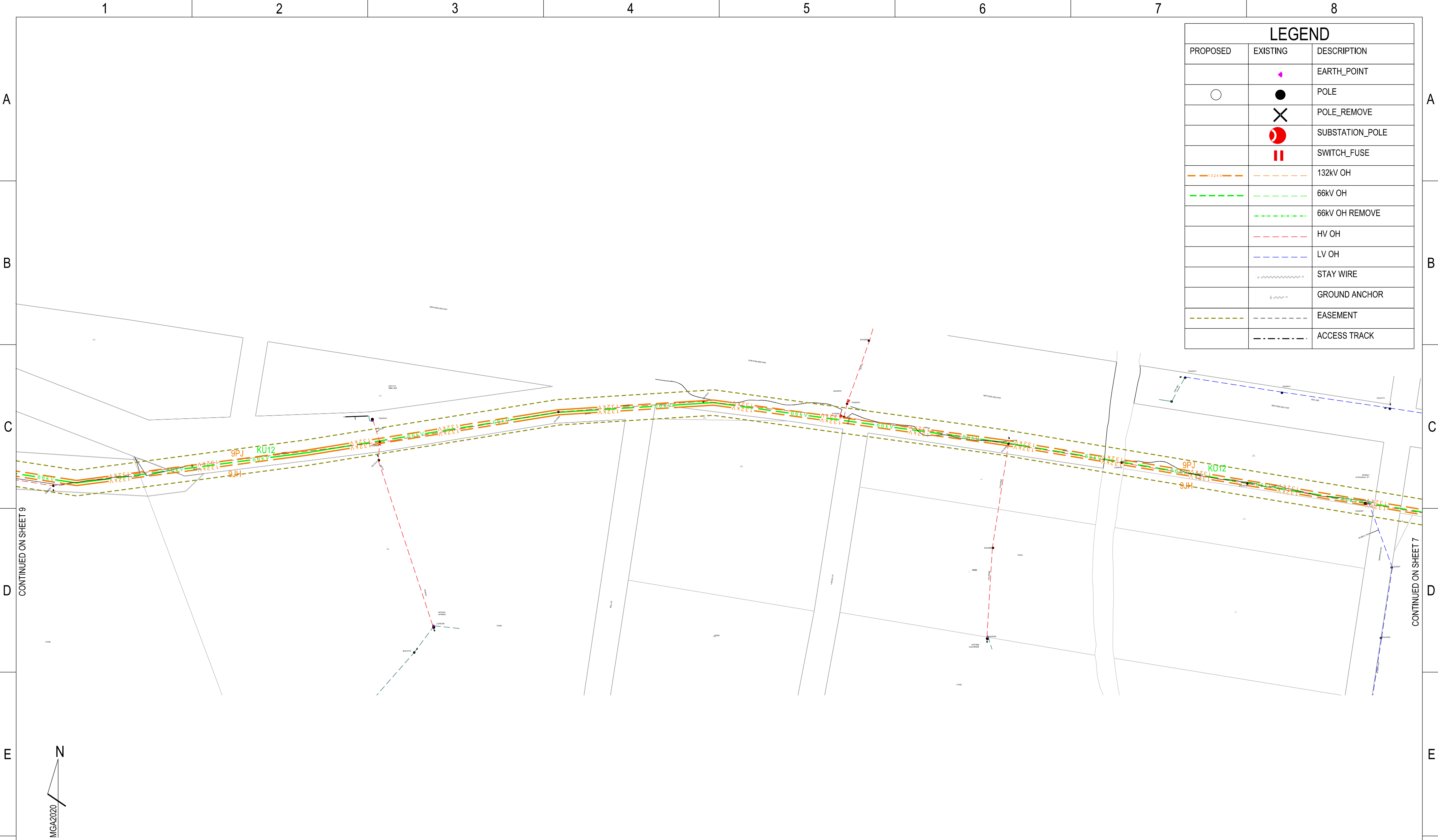
CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS	



145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

ZN512 BRANXTON 66 TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE A2	DRAWING No 265265	SHEETS 7 of 34	AMD. 0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_POLE
		SWITCH_FUSE
		132kV OH
		66kV OH
		66kV OH REMOVE
		HV OH
		LV OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK

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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
	ASSOCIATED DRAWINGS	

145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

ZN512 BRANXTON 66 TO TS409 SINGLETON 132
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE	DRAWING No	SHEETS	AMD.
A2	265265	8 of 34	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_POLE
		132kV OH
		66kV OH
		66kV OH REMOVE
		HV OH
		STAY WIRE
		EASEMENT
		ACCESS TRACK

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS

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CONDUCTOR STRINGING TABLES

265266

ASSOCIATED DRAWINGS

145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED

J.BROOKS

DRAWN

P.RIOS

CHECKED

AUTHORISED

DATE

SCALE

N.T.S

MAP REF.

FQ52-MD61

LGA

CESSNOCK/SINGLETON

PROJECT No.

SJ-00291

PROJTRAK No.

-

DRAFT - 16/4/25

ZN512 BRANXTON 66 TO TS409 SINGLETON 132
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE

A2

DRAWING No

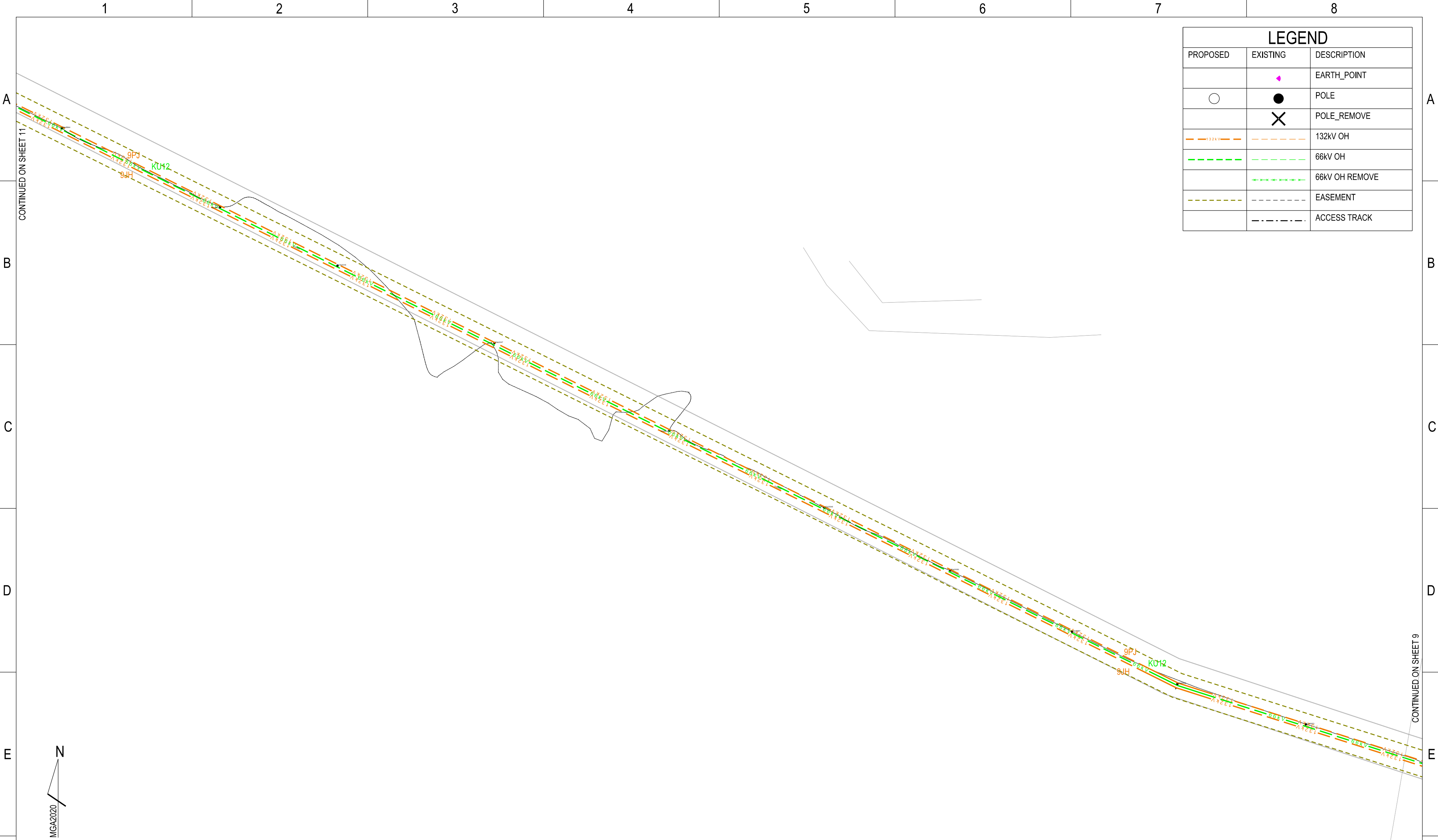
265265

SHEETS

9 of 34

AMD.

0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	●	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
---	---	132kV OH
---	---	66kV OH
	---	66kV OH REMOVE
---	---	EASEMENT
	---	ACCESS TRACK

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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
	ASSOCIATED DRAWINGS	



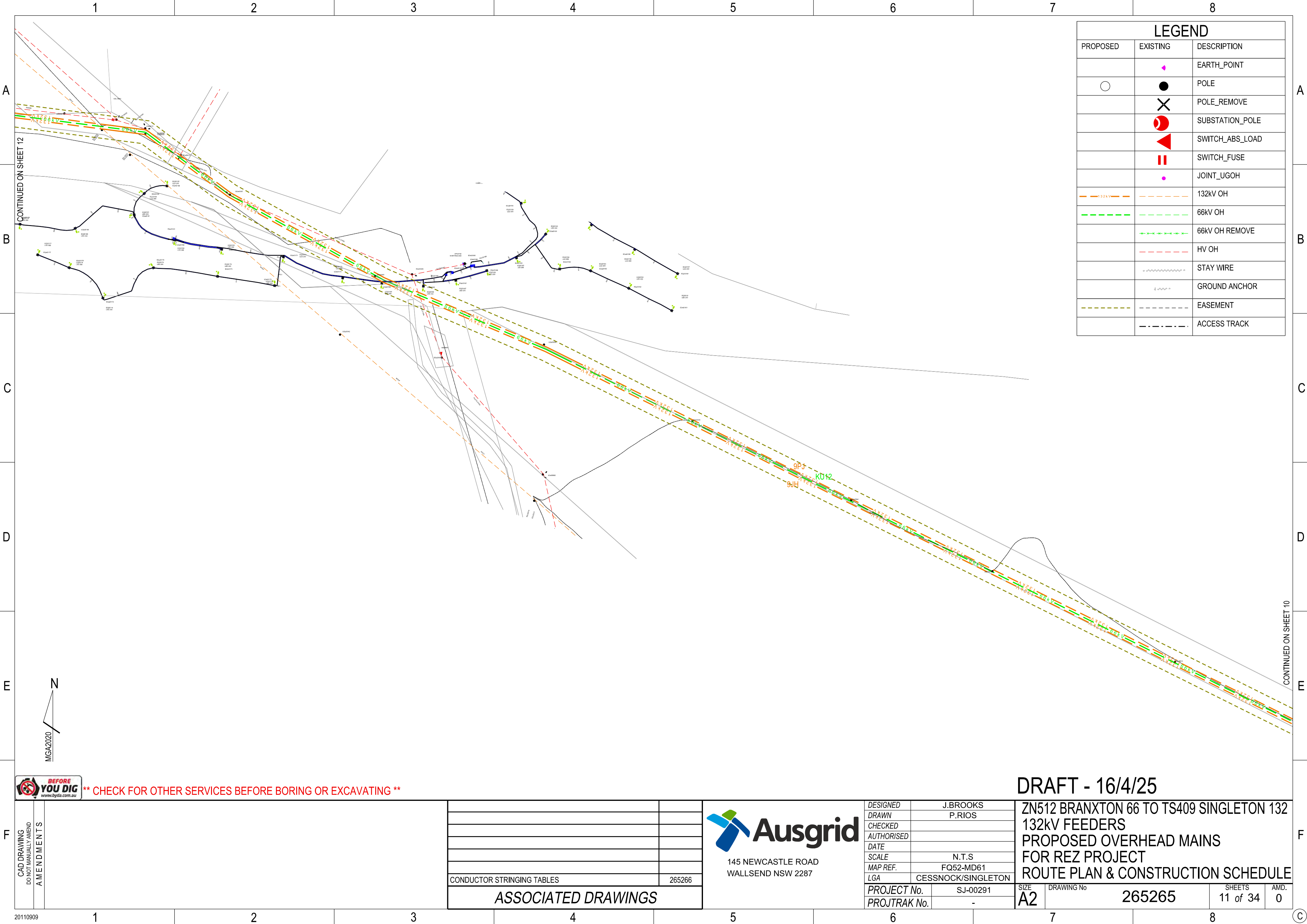
145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

ZN512 BRANXTON 66 TO TS409 SINGLETON 132
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE	DRAWING No	SHEETS	AMD.
A2	265265	10 of 34	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	●	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
	●	SUBSTATION_POLE
	◀	SWITCH_ABS_LOAD
		SWITCH_FUSE
	●	JOINT_UGOH
— 132kV —	---	132kV OH
---	---	66kV OH
	---	66kV OH REMOVE
	---	HV OH
	~~~~~	STAY WIRE
	~~~~~	GROUND ANCHOR
---	---	EASEMENT
	---	ACCESS TRACK



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

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS

20110909

CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS	



145 NEWCASTLE ROAD
WALLSEND NSW 2287

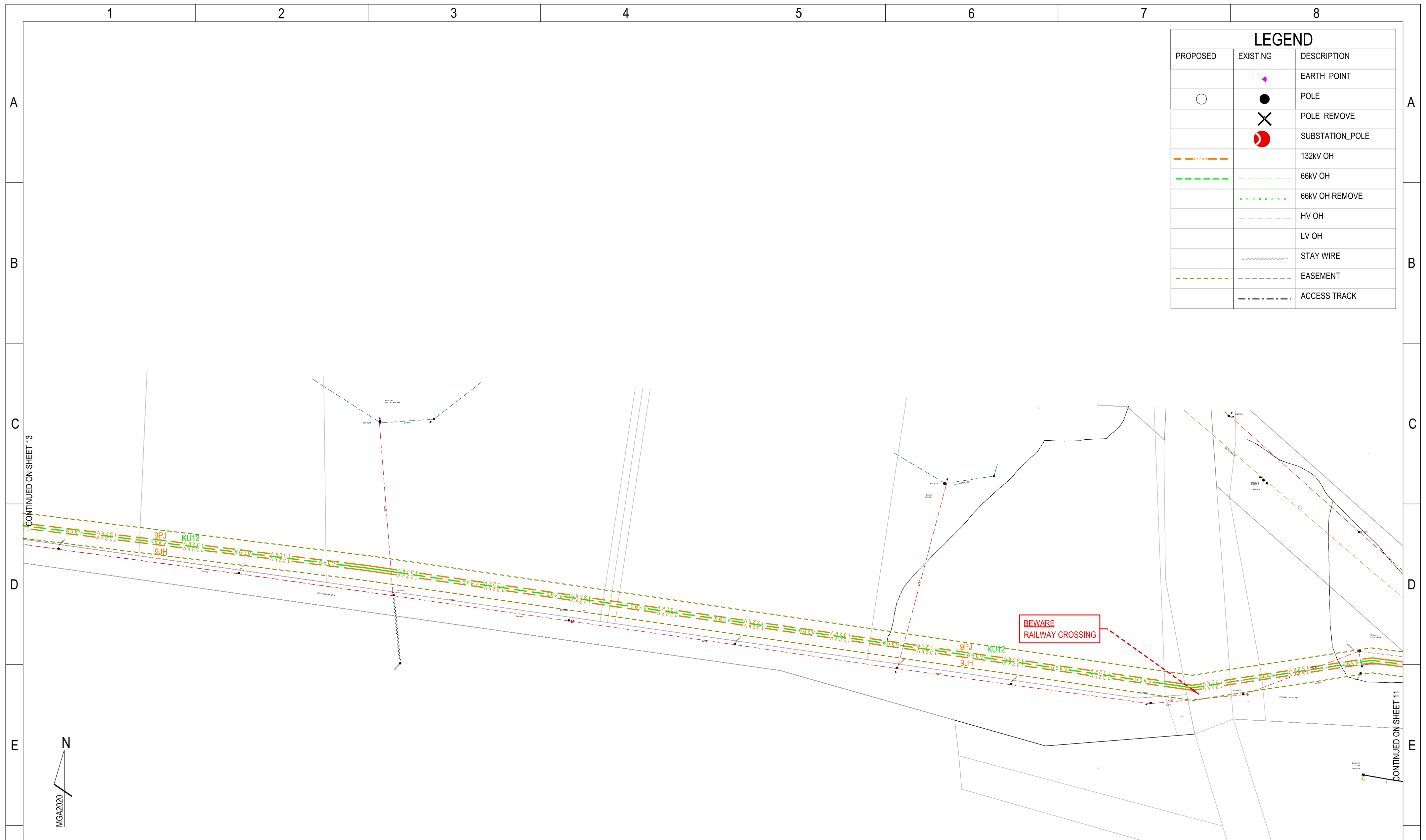
DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

ZN512 BRANXTON 66 TO TS409 SINGLETON 132
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE	DRAWING No	SHEETS	AMD.
A2	265265	11 of 34	0

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_POLE
		132kV OH
		66kV OH
		66kV OH REMOVE
		HV OH
		LV OH
		STAY WIRE
		EASEMENT
		ACCESS TRACK



DRAFT - 16/4/25

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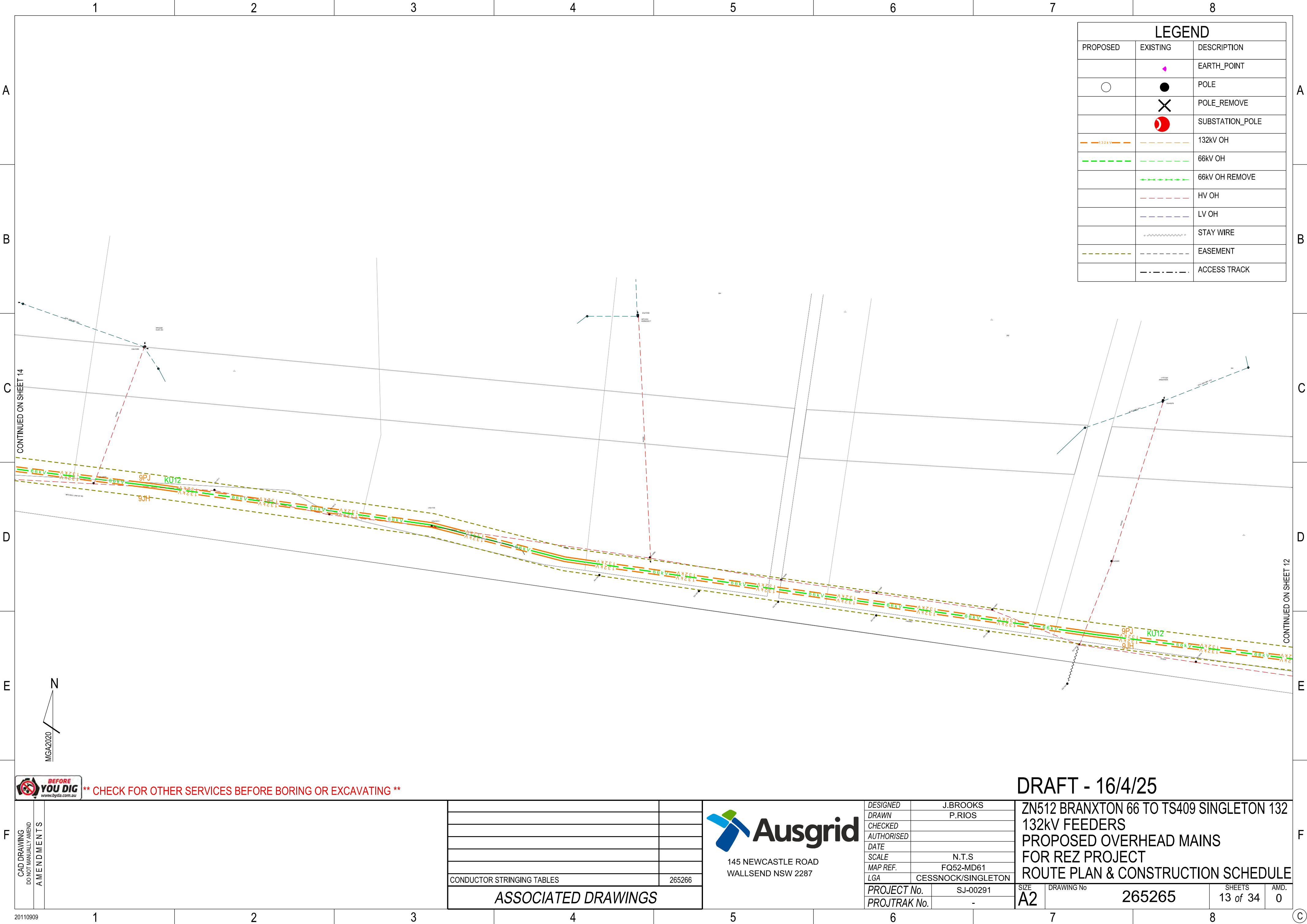
**** CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING ****

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
	<i>ASSOCIATED DRAWINGS</i>	



DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PRO.ITRACK No	-

ZN512 BRANXTON 66 TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE				F
SIZE A2	DRAWING No 265265	SHEETS 12 of 34	AMD. 0	



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_POLE
		132kV OH
		66kV OH
		66kV OH REMOVE
		HV OH
		LV OH
		STAY WIRE
		EASEMENT
		ACCESS TRACK



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS		



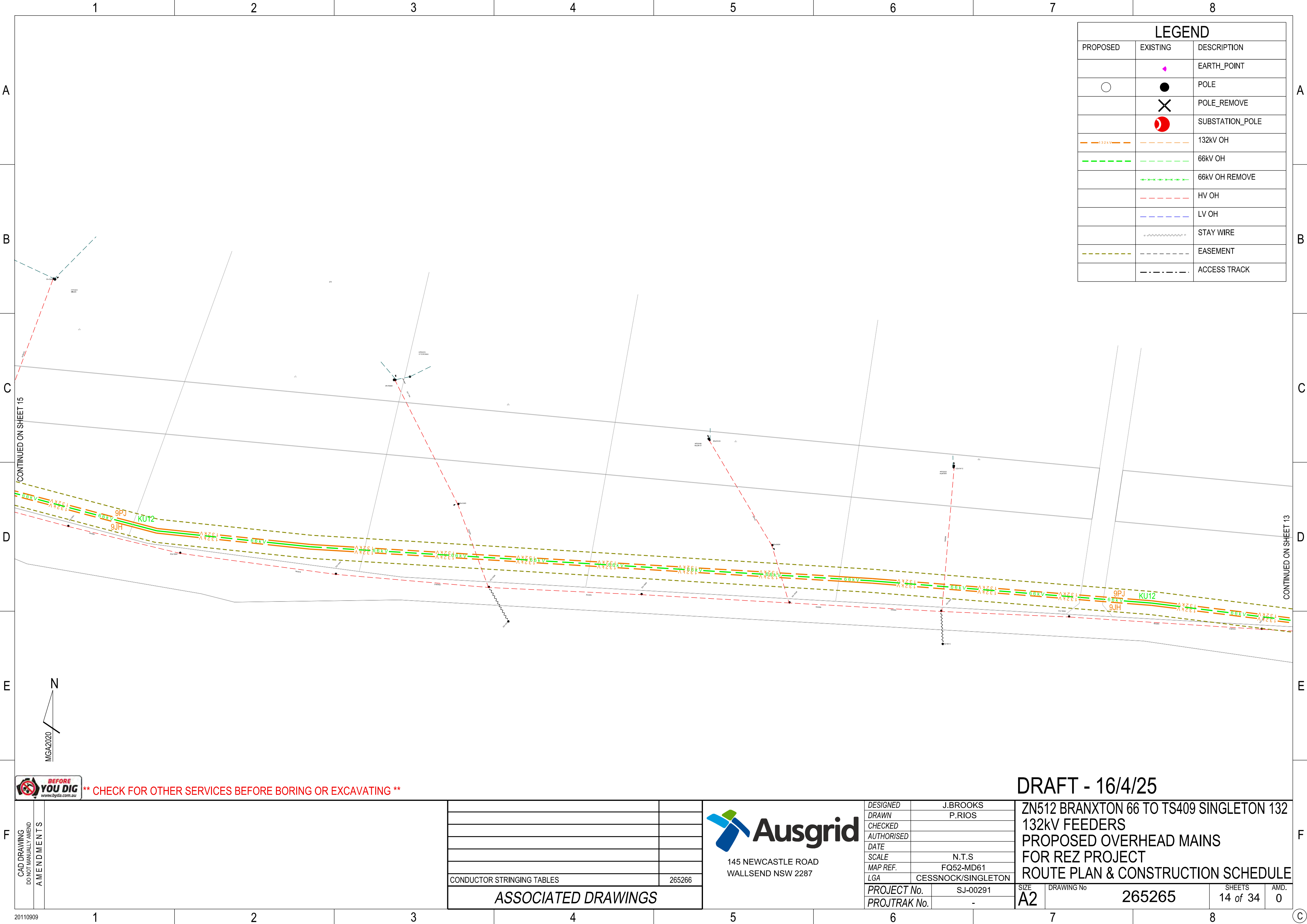
145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

ZN512 BRANXTON 66 TO TS409 SINGLETON 132
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE A2	DRAWING No 265265	SHEETS 13 of 34	AMD. 0
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LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_POLE
		132kV OH
		66kV OH
		66kV OH REMOVE
		HV OH
		LV OH
		STAY WIRE
		EASEMENT
		ACCESS TRACK

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CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
	ASSOCIATED DRAWINGS	

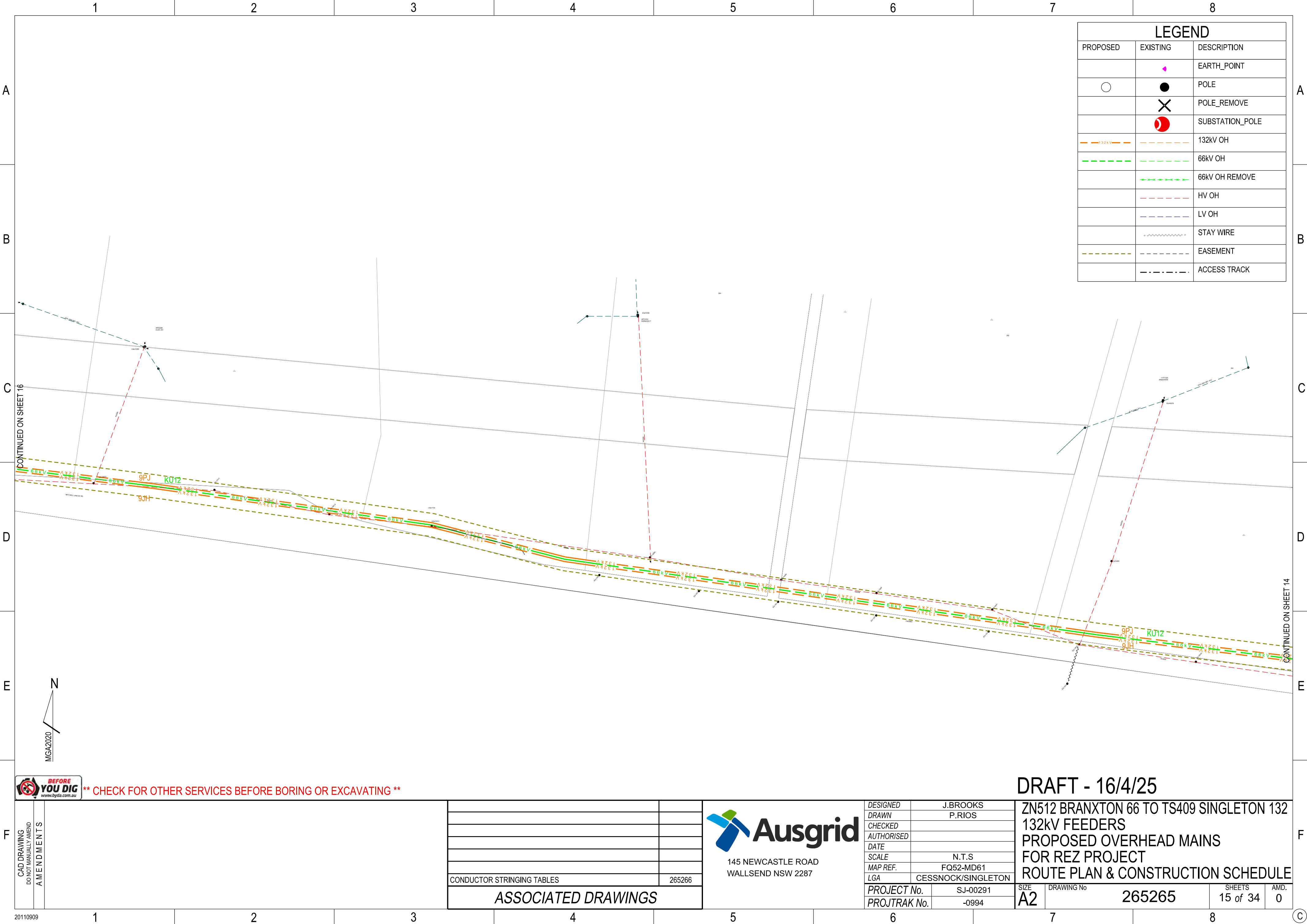
145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

ZN512 BRANXTON 66 TO TS409 SINGLETON 132
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE	DRAWING No	SHEETS	AMD.
A2	265265	14 of 34	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_POLE
		132kV OH
		66kV OH
		66kV OH REMOVE
		HV OH
		LV OH
		STAY WIRE
		EASEMENT
		ACCESS TRACK



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS		



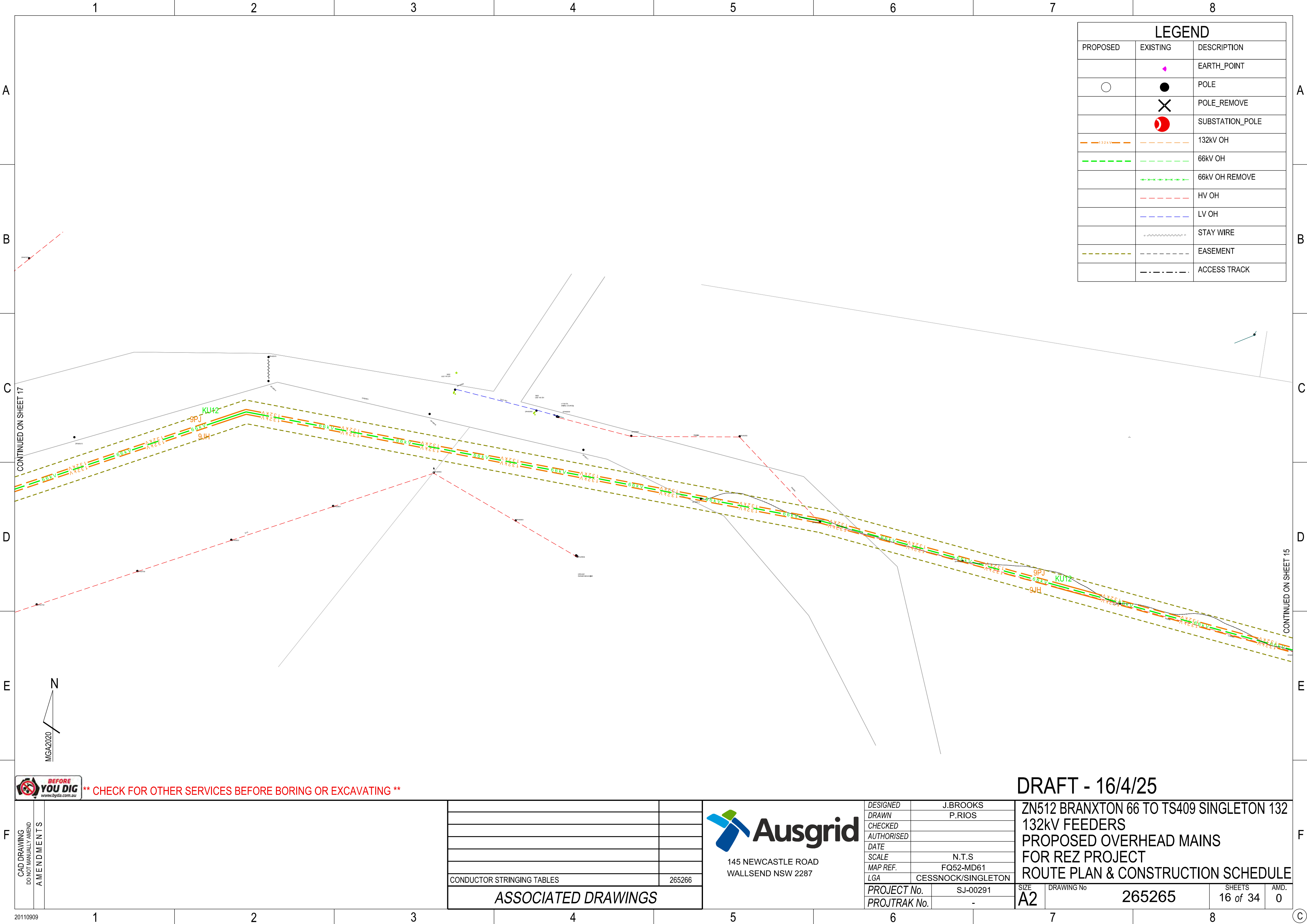
145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-0994

DRAFT - 16/4/25

ZN512 BRANXTON 66 TO TS409 SINGLETON 132
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE A2	DRAWING No 265265	SHEETS 15 of 34	AMD. 0
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LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_POLE
		132kV OH
		66kV OH
		66kV OH REMOVE
		HV OH
		LV OH
		STAY WIRE
		EASEMENT
		ACCESS TRACK



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

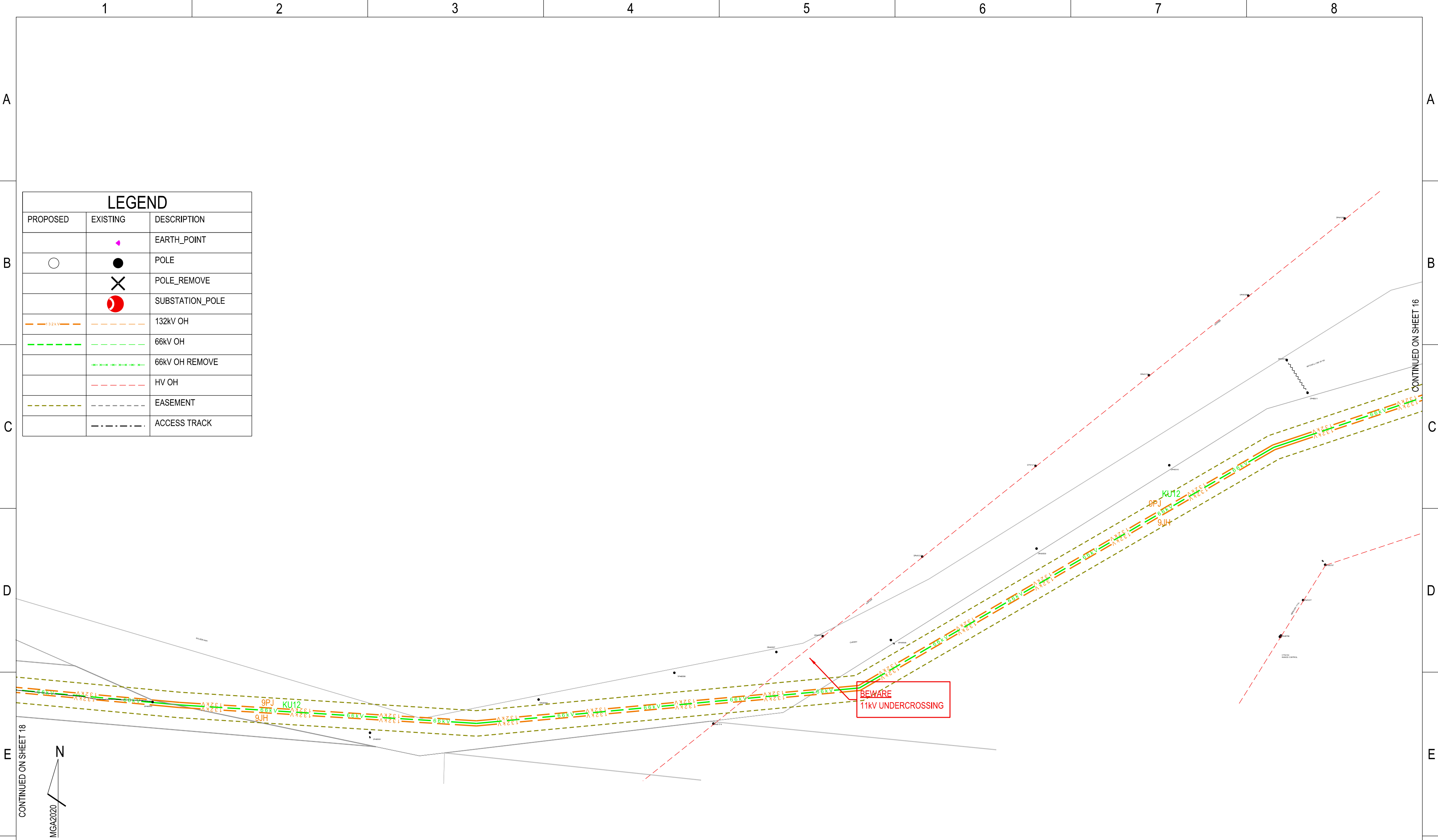
CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
	ASSOCIATED DRAWINGS	



145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

ZN512 BRANXTON 66 TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE A2	DRAWING No 265265	SHEETS 16 of 34	AMD. 0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_POLE
		132kV OH
		66kV OH
		66kV OH REMOVE
		HV OH
		EASEMENT
		ACCESS TRACK

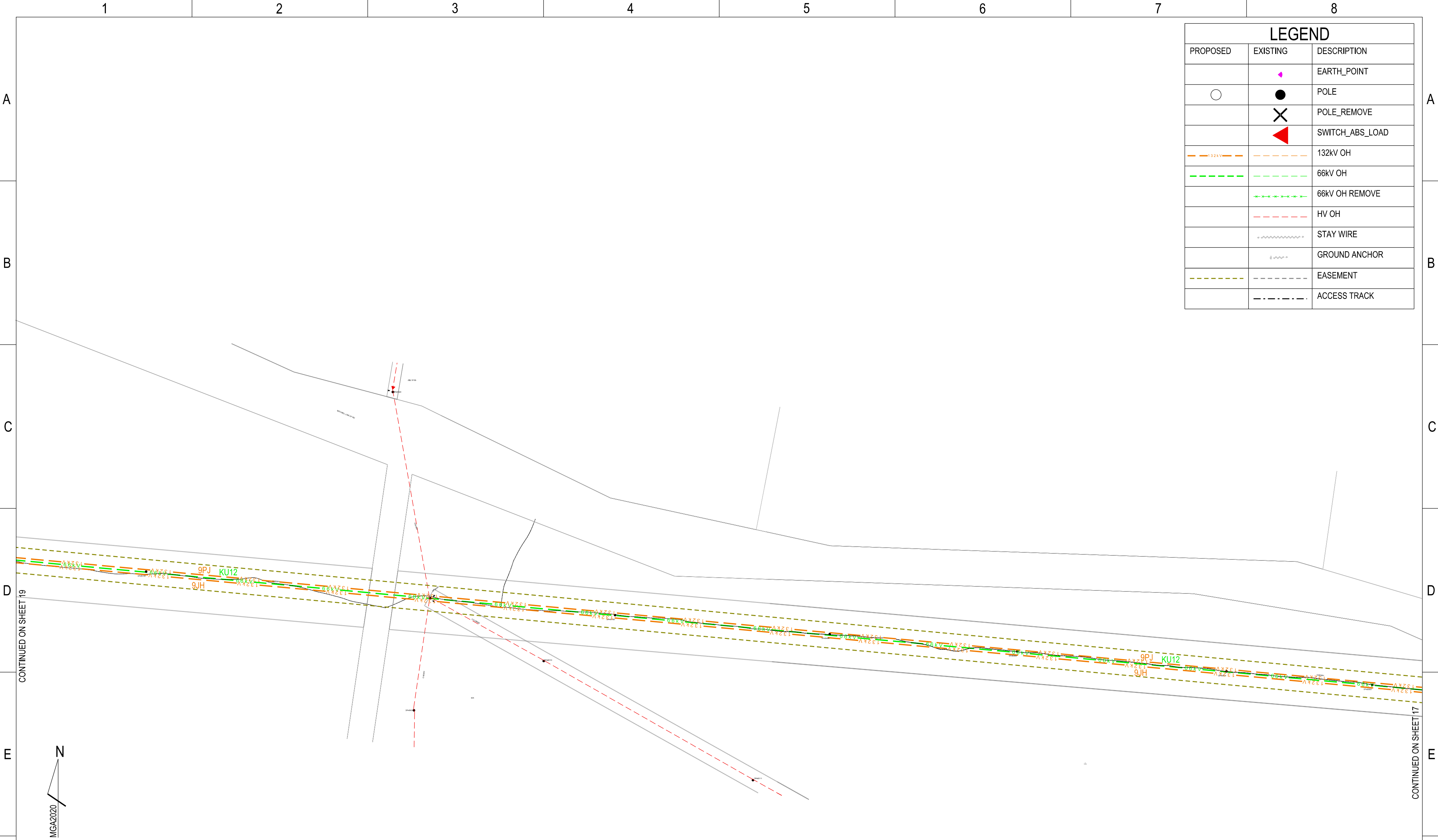
CONTINUED ON SHEET 18

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CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS		

 145 NEWCASTLE ROAD WALLSEND NSW 2287	DESIGNED	J.BROOKS	ZN512 BRANXTON 66 TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE		
	DRAWN	P.RIOS			
	CHECKED				
	AUTHORISED				
	DATE				
PROJECT No. SJ-00291 PROJTRAK No. -	SCALE	N.T.S	SIZE	A2	SHEETS 17 of 34
	MAP REF.	FQ52-MD61	DRAWING No	265265	
	LGA	CESSNOCK/SINGLETON			
					AMD. 0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SWITCH_ABS_LOAD
		132kV OH
		66kV OH
		66kV OH REMOVE
		HV OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK

CONTINUED ON SHEET 19

CONTINUED ON SHEET 17

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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
	ASSOCIATED DRAWINGS	

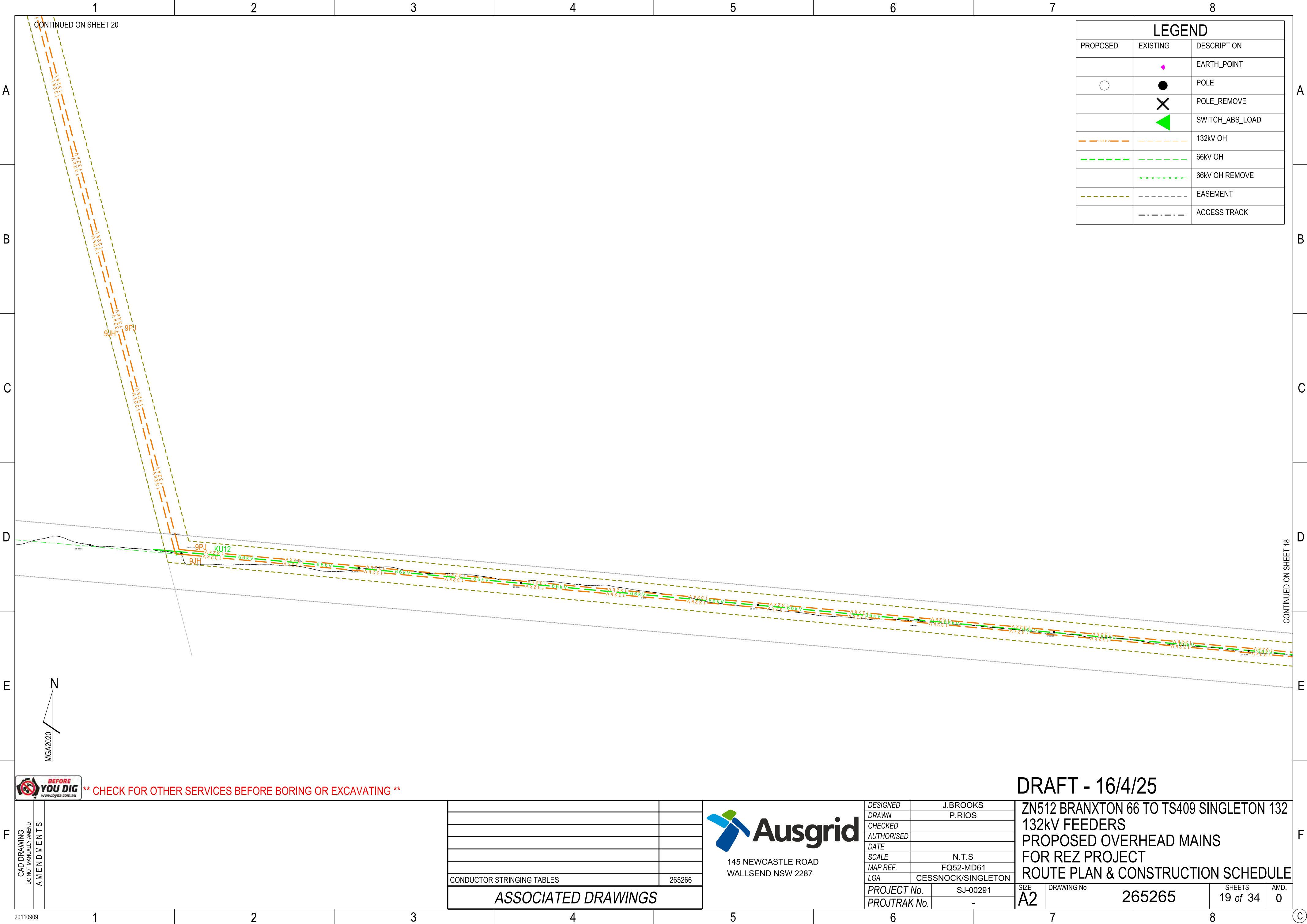
145 NEWCASTLE ROAD
WALLSEND NSW 2287

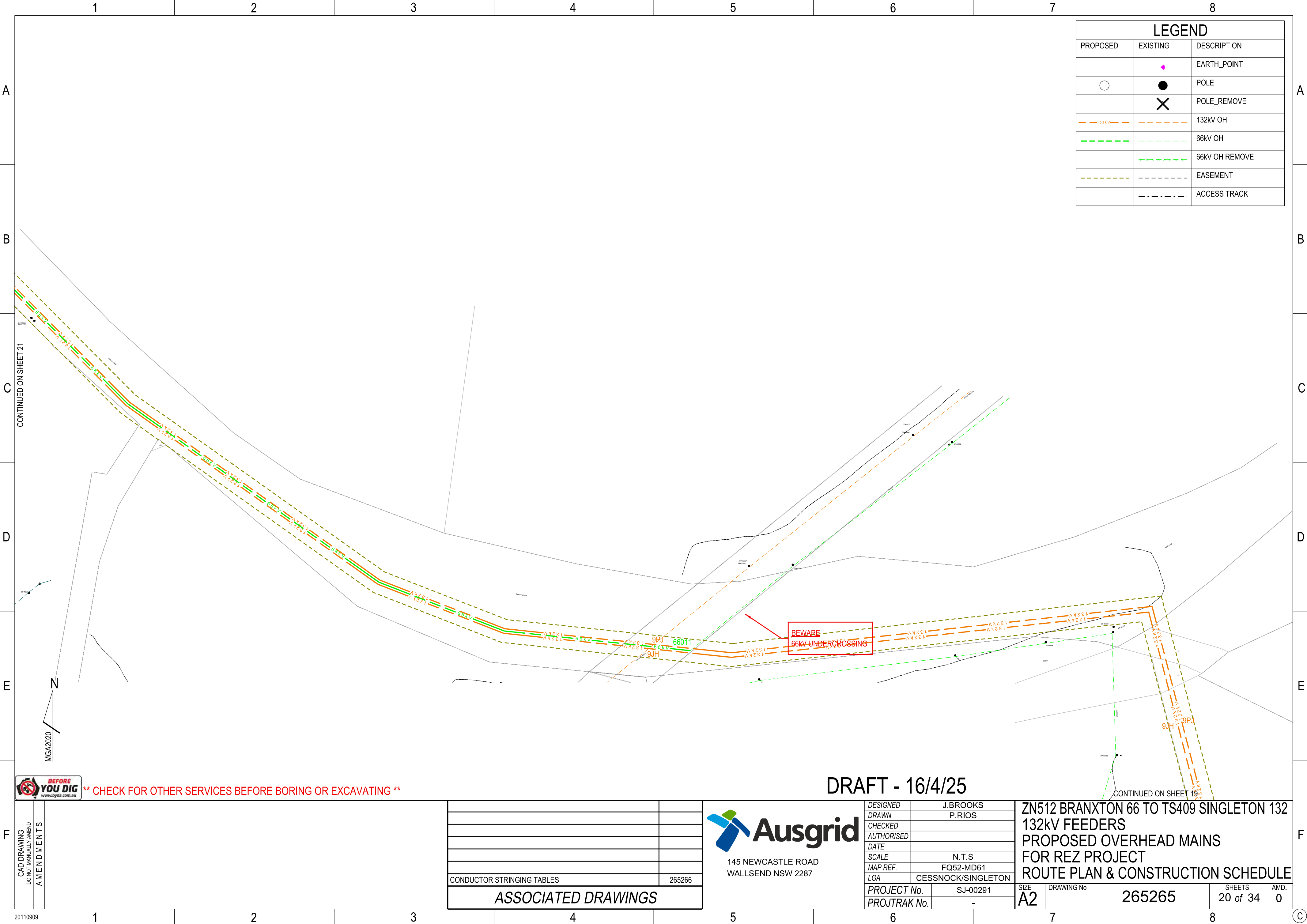
DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

ZN512 BRANXTON 66 TO TS409 SINGLETON 132
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE	DRAWING No	SHEETS	AMD.
A2	265265	18 of 34	0





LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		66kV OH
		66kV OH REMOVE
		EASEMENT
		ACCESS TRACK



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

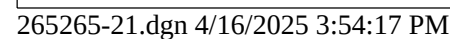
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	CONDUCTOR STRINGING TABLES	265266
	ASSOCIATED DRAWINGS	

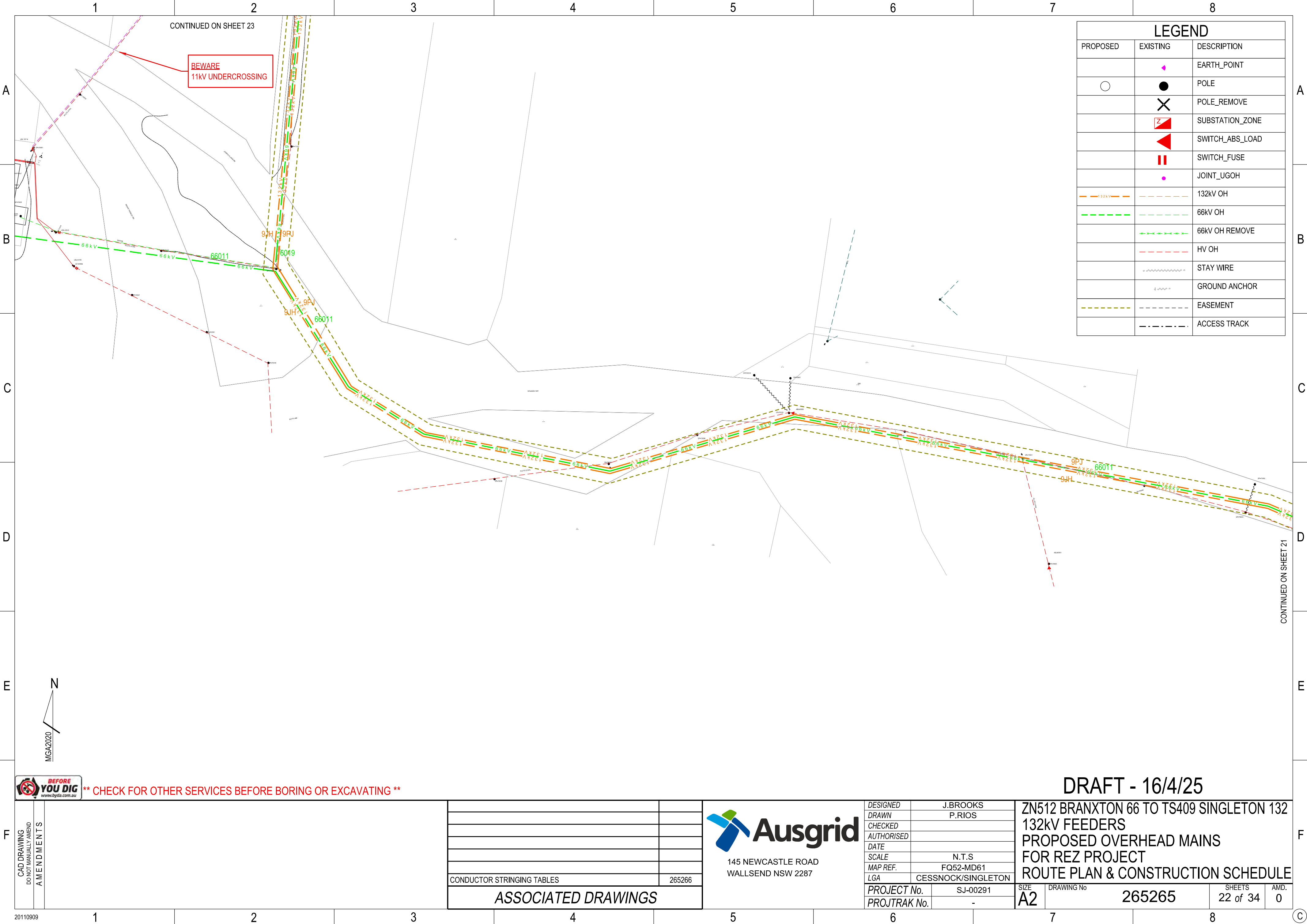


145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

ZN512 BRANXTON 66 TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No	SHEETS	AMD.
A2	265265	20 of 34	0



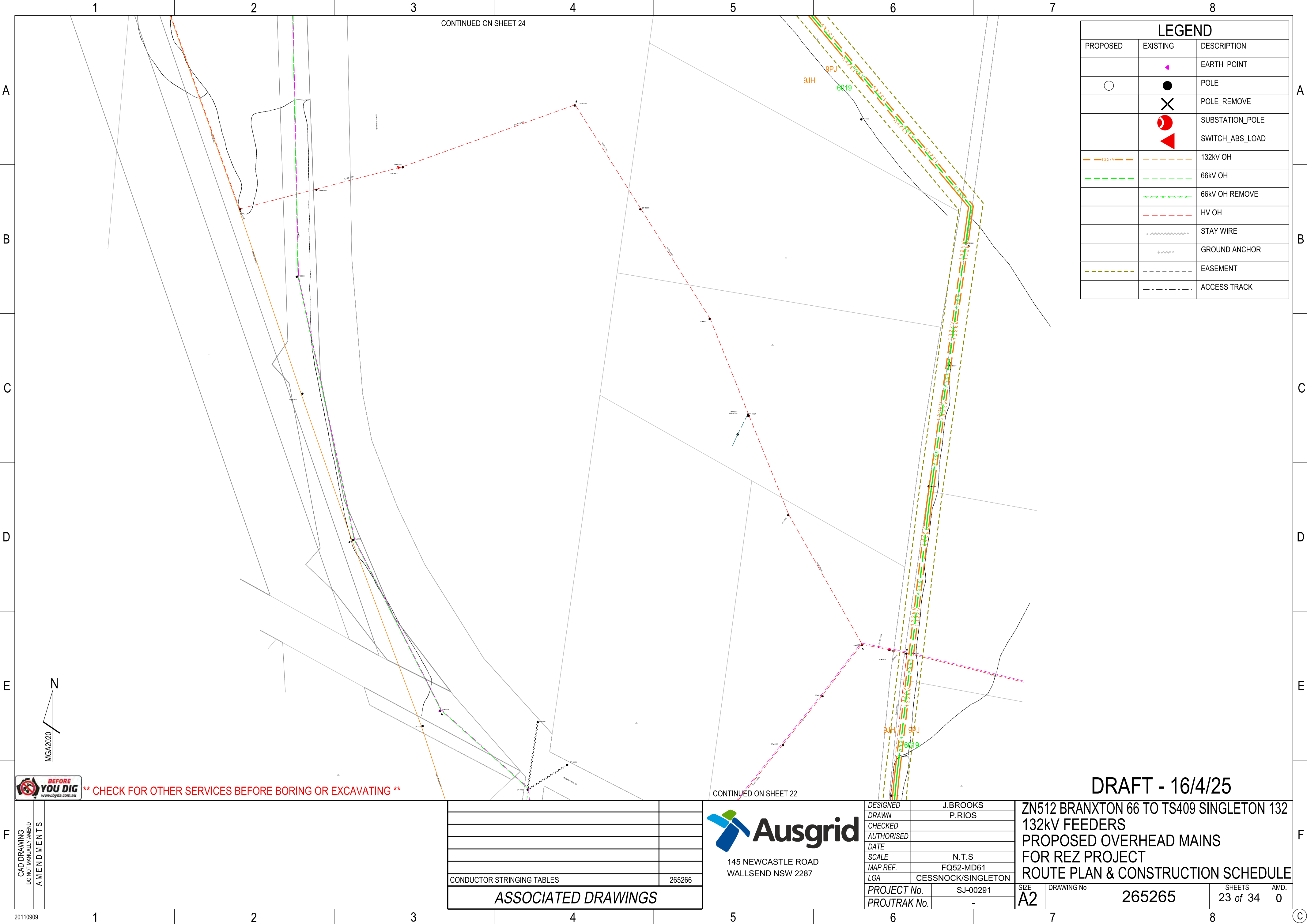


LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_ZONE
		SWITCH_ABS_LOAD
		SWITCH_FUSE
		JOINT_UGOH
		132kV OH
		66kV OH
		66kV OH REMOVE
		HV OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK

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

F	CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS			
		CONDUCTOR STRINGING TABLES	265266	
		ASSOCIATED DRAWINGS		

 145 NEWCASTLE ROAD WALLSEND NSW 2287	DESIGNED	J.BROOKS	ZN512 BRANXTON 66 TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE		
	DRAWN	P.RIOS			
	CHECKED				
	AUTHORISED				
	DATE				
	SCALE	N.T.S			
	MAP REF.	FQ52-MD61			
	LGA	CESSNOCK/SINGLETON			
	PROJECT No.	SJ-00291	SIZE	DRAWING No	
	PROJTRAK No.	-	A2	265265	
				SHEETS	AMD.
				22 of 34	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	◆	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
	●	SUBSTATION_POLE
	▲	SWITCH_ABS_LOAD
—	—	132kV OH
—	—	66kV OH
	—	66kV OH REMOVE
	—	HV OH
	—	STAY WIRE
	—	GROUND ANCHOR
---	---	EASEMENT
---	---	ACCESS TRACK



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

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS

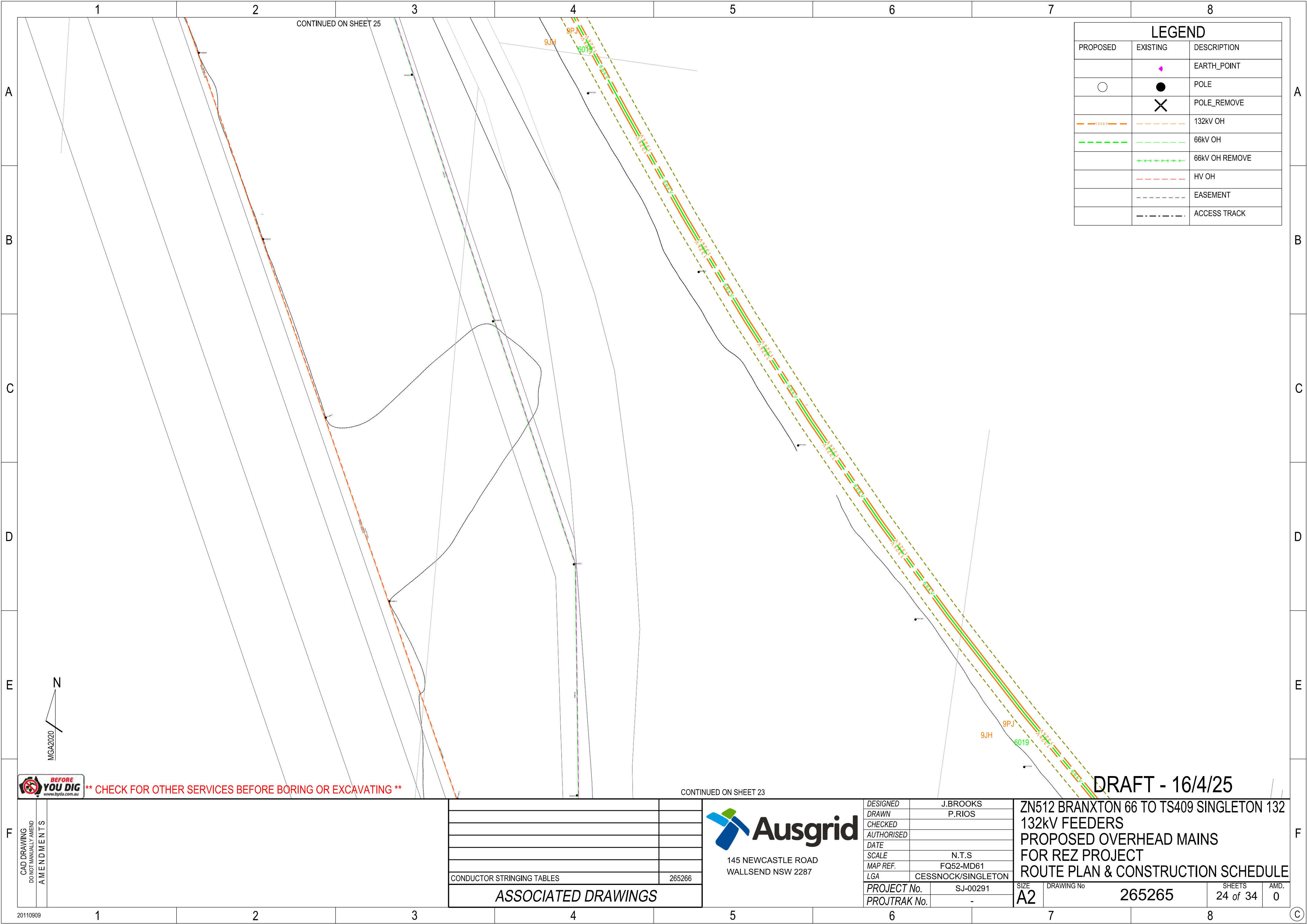
CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS	



145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

ZN512 BRANXTON 66 TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE A2	DRAWING No 265265	SHEETS 23 of 34	AMD. 0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	●	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
---	---	132kV OH
---	---	66kV OH
	---	66kV OH REMOVE
	---	HV OH
	---	EASEMENT
	---	ACCESS TRACK



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

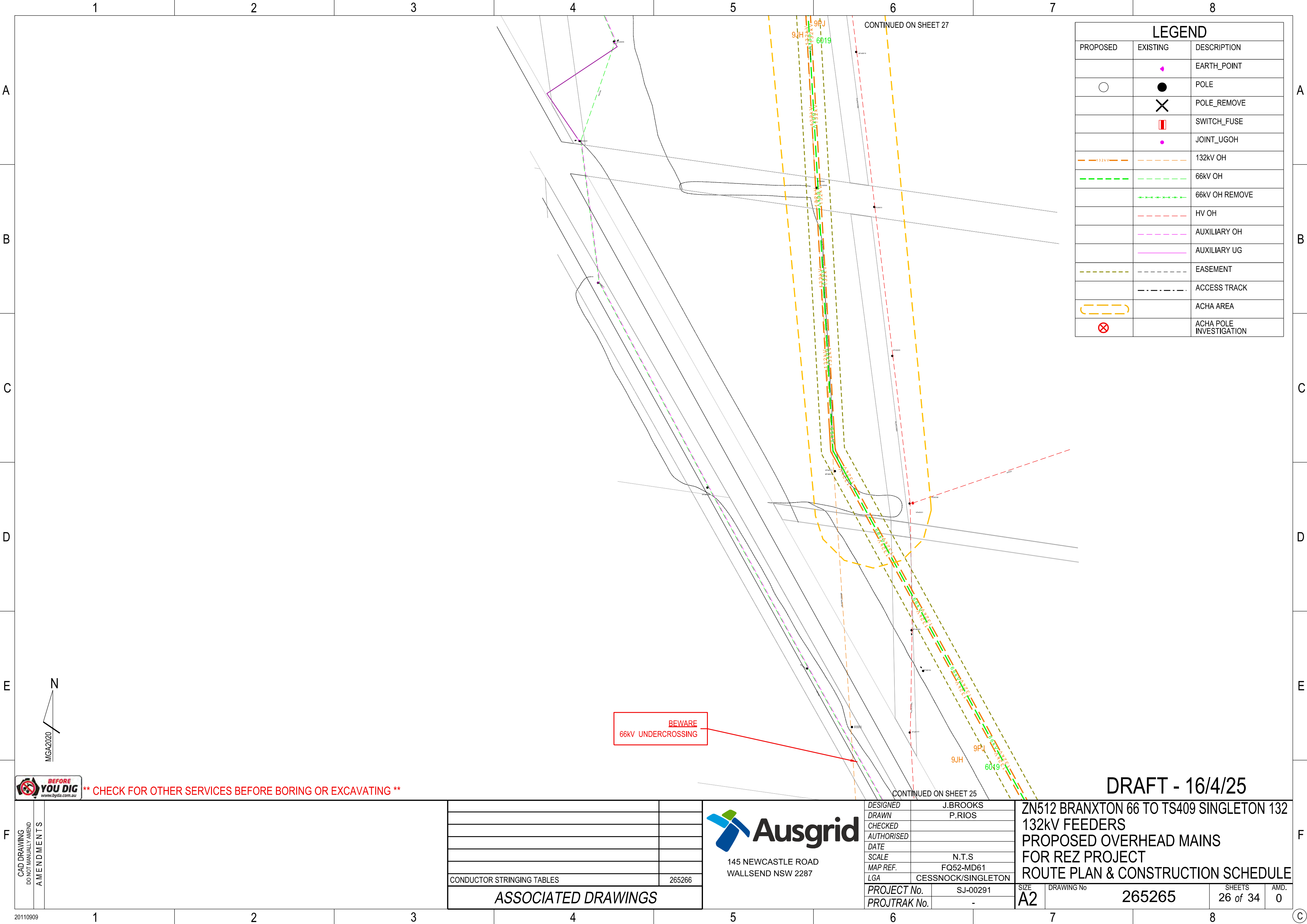
CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
	ASSOCIATED DRAWINGS	



145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

ZN512 BRANXTON 66 TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE A2	DRAWING No 265265	SHEETS 24 of 34	AMD. 0



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

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS

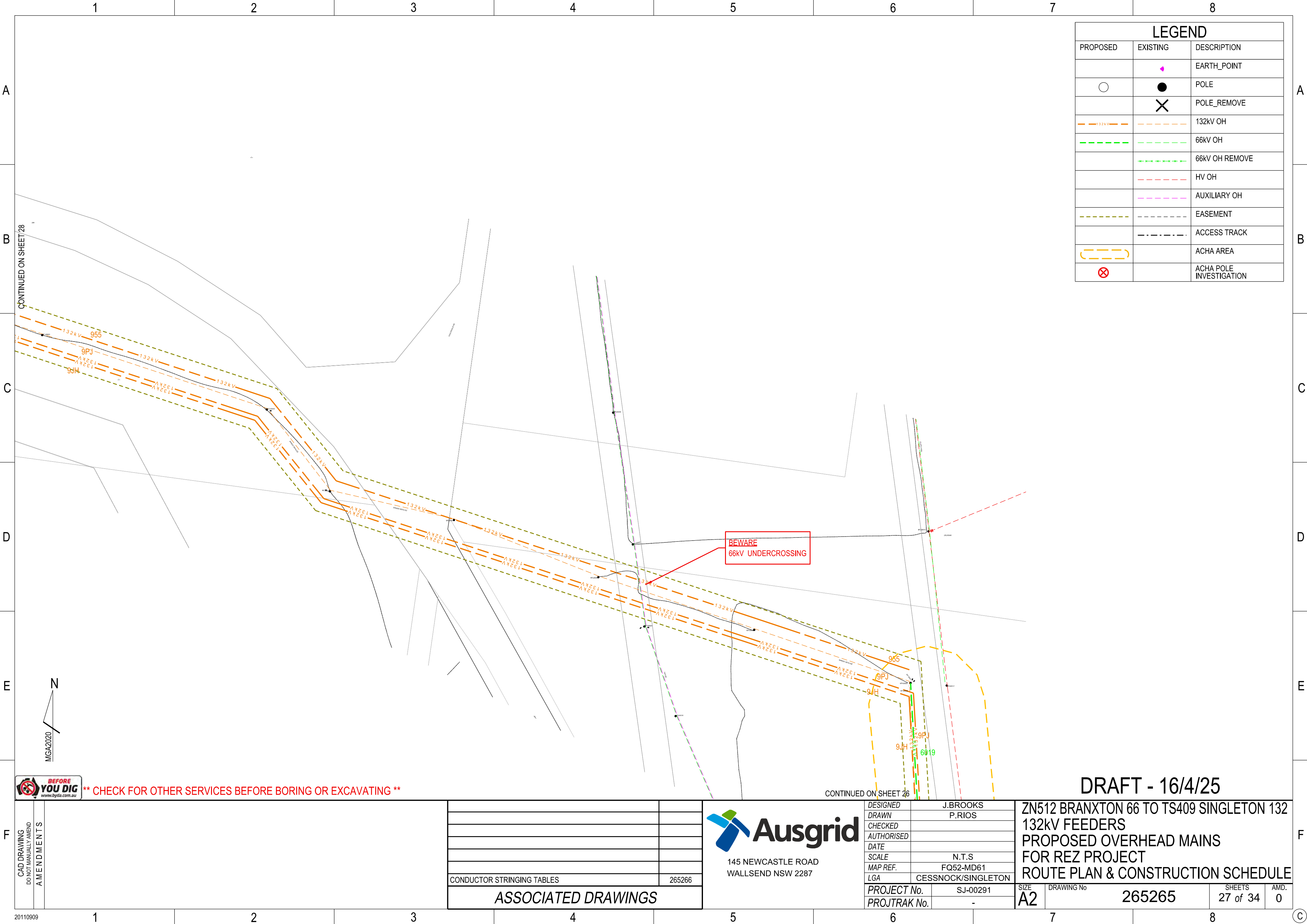
CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS	



145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

ZN512 BRANXTON 66 TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No	SHEETS	AMD.
A2	265265	26 of 34	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		66kV OH
		66kV OH REMOVE
		HV OH
		AUXILIARY OH
		EASEMENT
		ACCESS TRACK
		ACHA AREA
		ACHA POLE INVESTIGATION



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

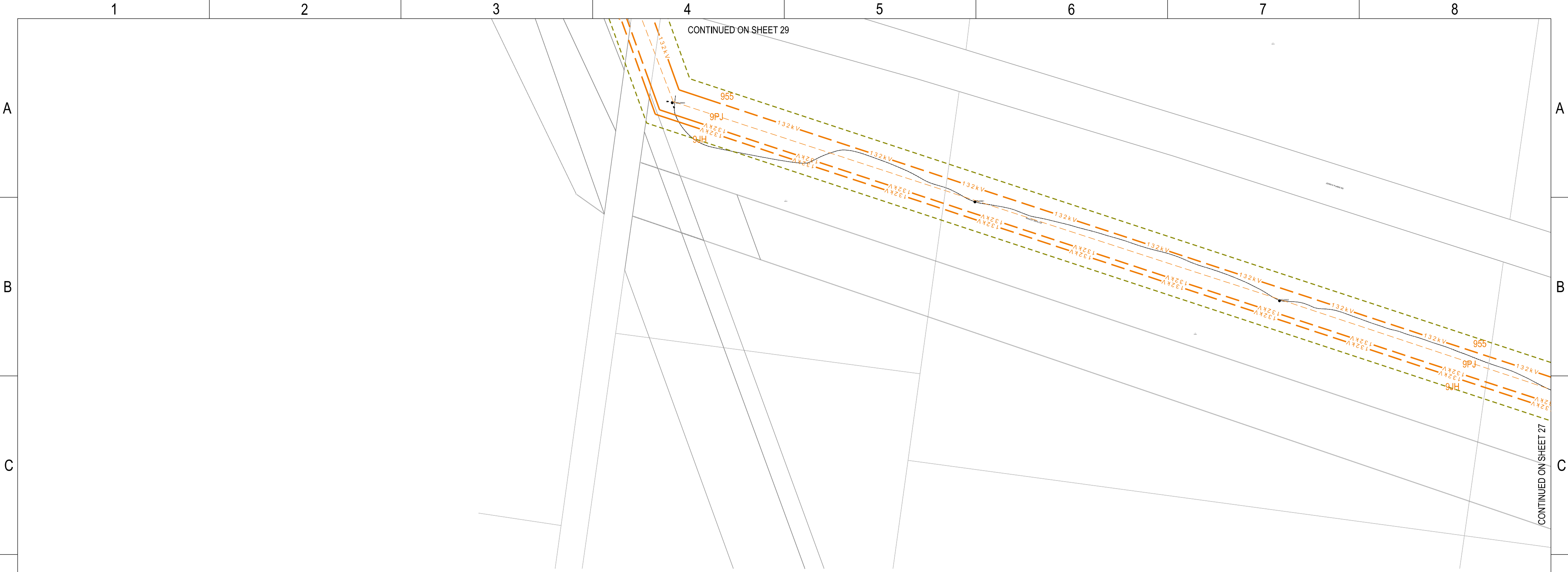
CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS		



145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

ZN512 BRANXTON 66 TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE A2	DRAWING No 265265	SHEETS 27 of 34	AMD. 0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		132kV OH REMOVE
		EASEMENT
		ACCESS TRACK



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

CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS	



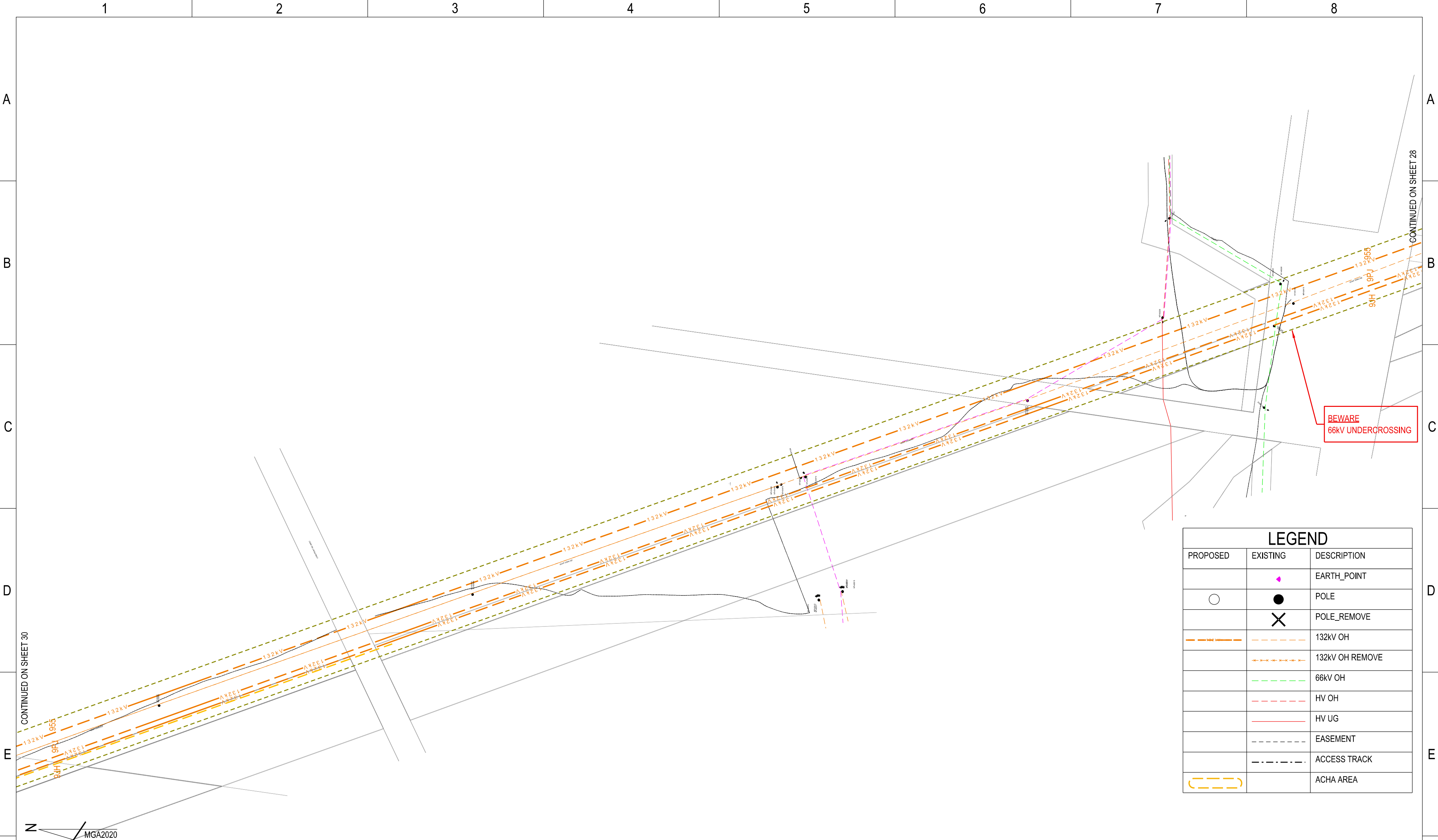
145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

ZN512 BRANXTON 66 TO TS409 SINGLETON 132
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE	DRAWING No	SHEETS	AMD.
A2	265265	28 of 34	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	●	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
---	---	132kV OH
	---	132kV OH REMOVE
	---	66kV OH
	---	HV OH
	---	HV UG
	---	EASEMENT
	---	ACCESS TRACK
---		ACHA AREA

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AMENDMENTS

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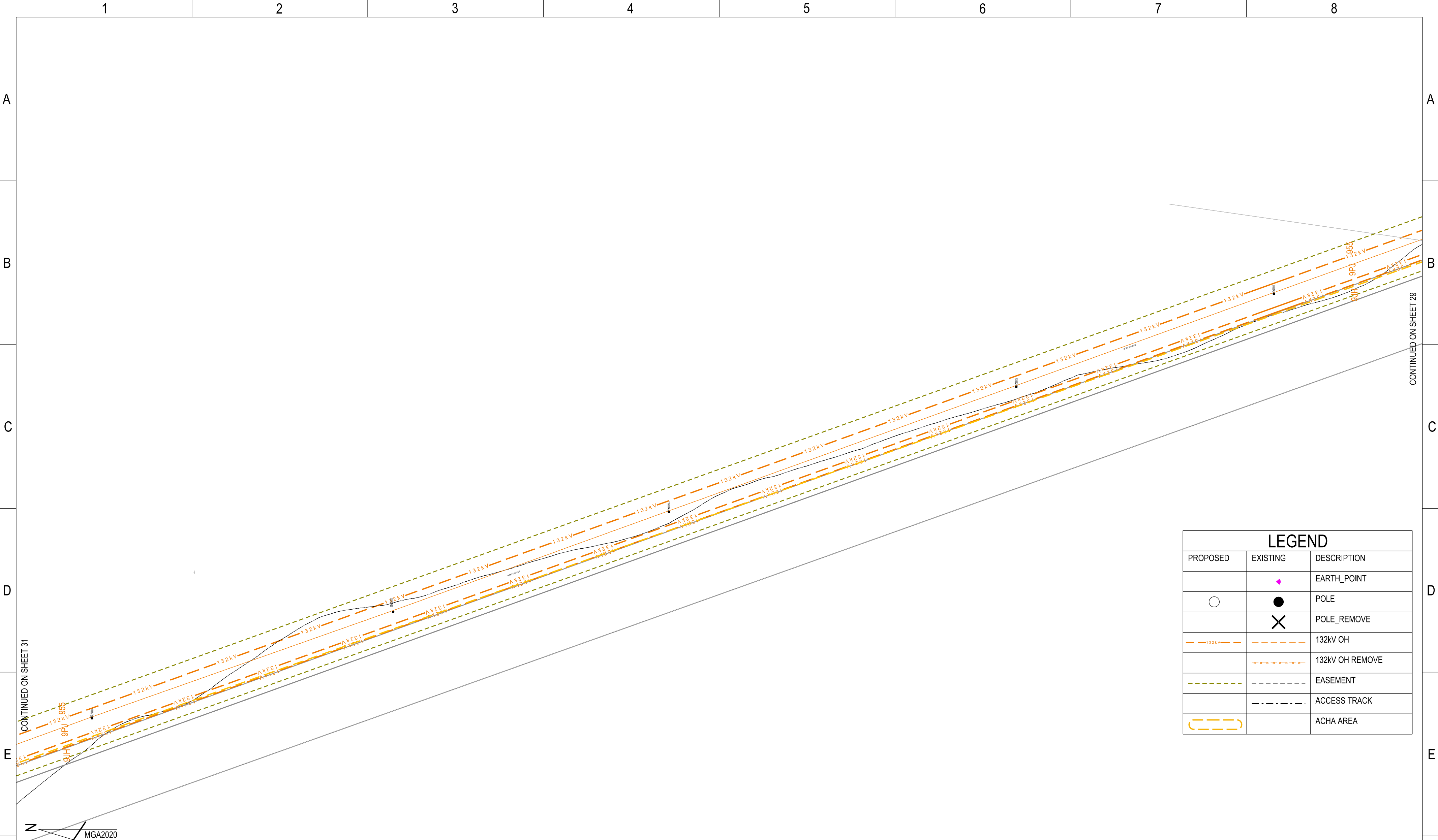
CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS	



145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

ZN512 BRANXTON 66 TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE A2	DRAWING No 265265	SHEETS 29 of 34	AMD. 0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		132kV OH REMOVE
		EASEMENT
		ACCESS TRACK
		ACHA AREA



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
	ASSOCIATED DRAWINGS	



145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

ZN512 BRANXTON 66 TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No	SHEETS	AMD.
A2	265265	30 of 34	0

A

B

C

D

E

F

A

B

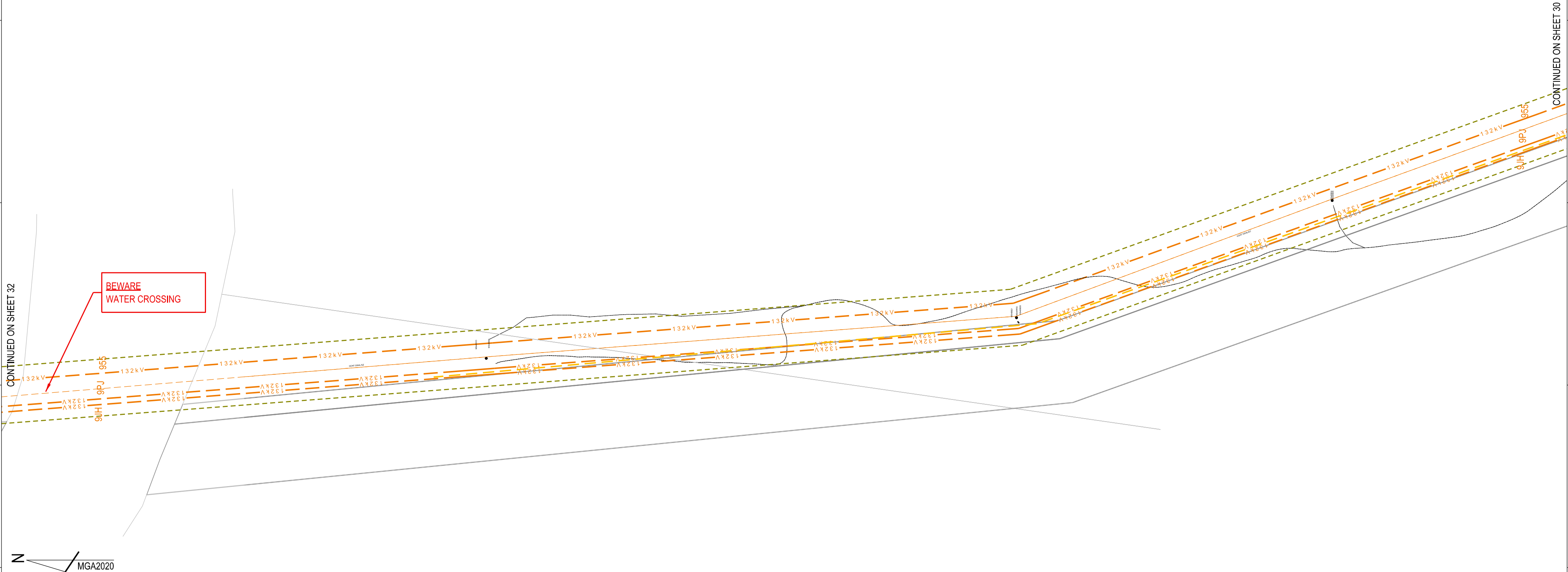
C

D

E

F

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	●	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
---	---	132kV OH
	---	132kV OH REMOVE
---	---	EASEMENT
	---	ACCESS TRACK
		ACHA AREA



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AMENDMENTS

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145 NEWCASTLE ROAD
WALLSEND NSW 2287

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DATE
SCALE
MAP REF.
LGA

J.BROOKS
P.RIOS

N.T.S
FQ52-MD61
CESSNOCK/SINGLETON

PROJECT No.
PROJTRAK No.

SJ-00291
-

ZN512 BRANXTON 66 TO TS409 SINGLETON 132
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE
A2

DRAWING No
265265

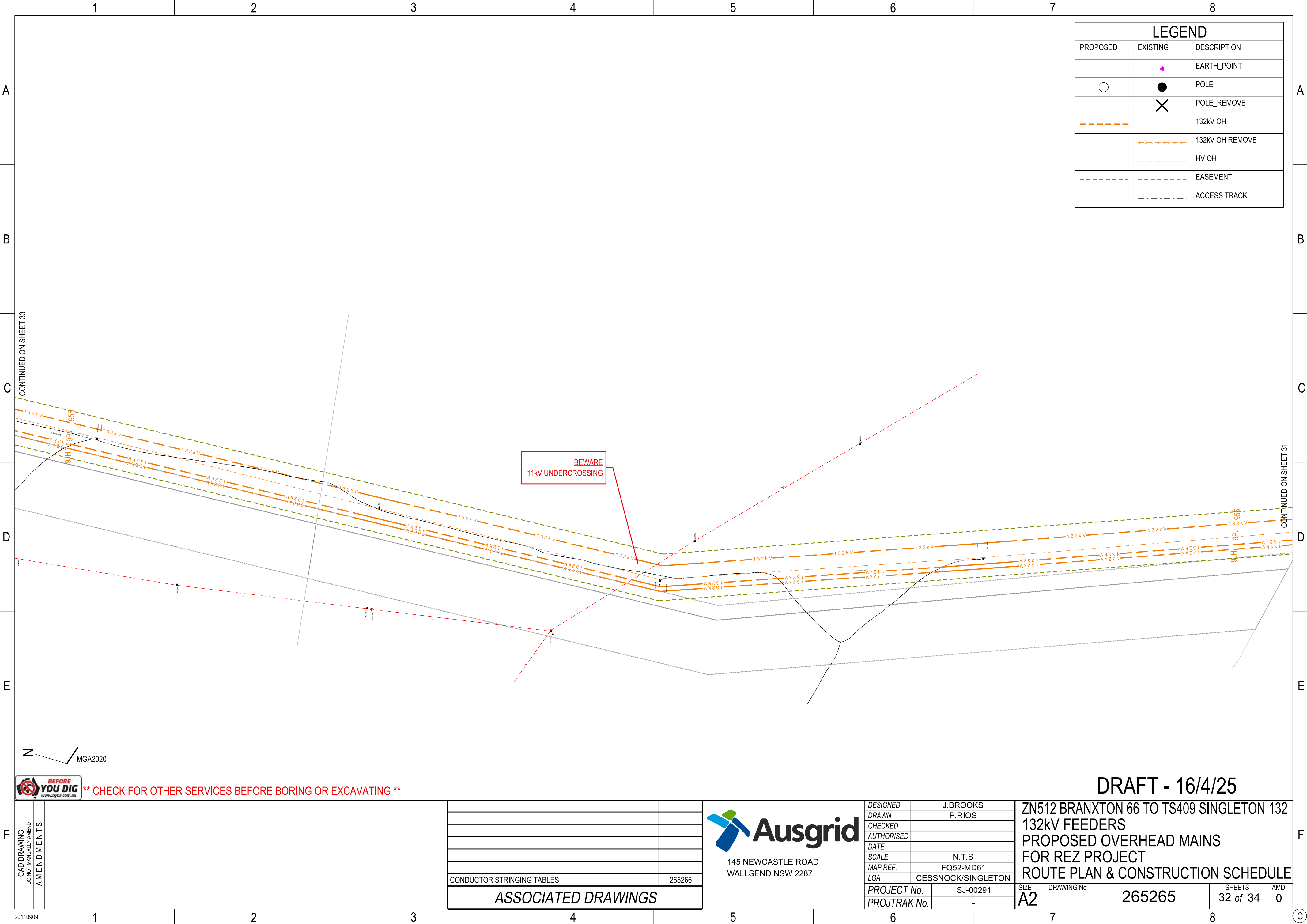
SHEETS
31 of 34

AMD.
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(C)



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		132kV OH REMOVE
		HV OH
		EASEMENT
		ACCESS TRACK



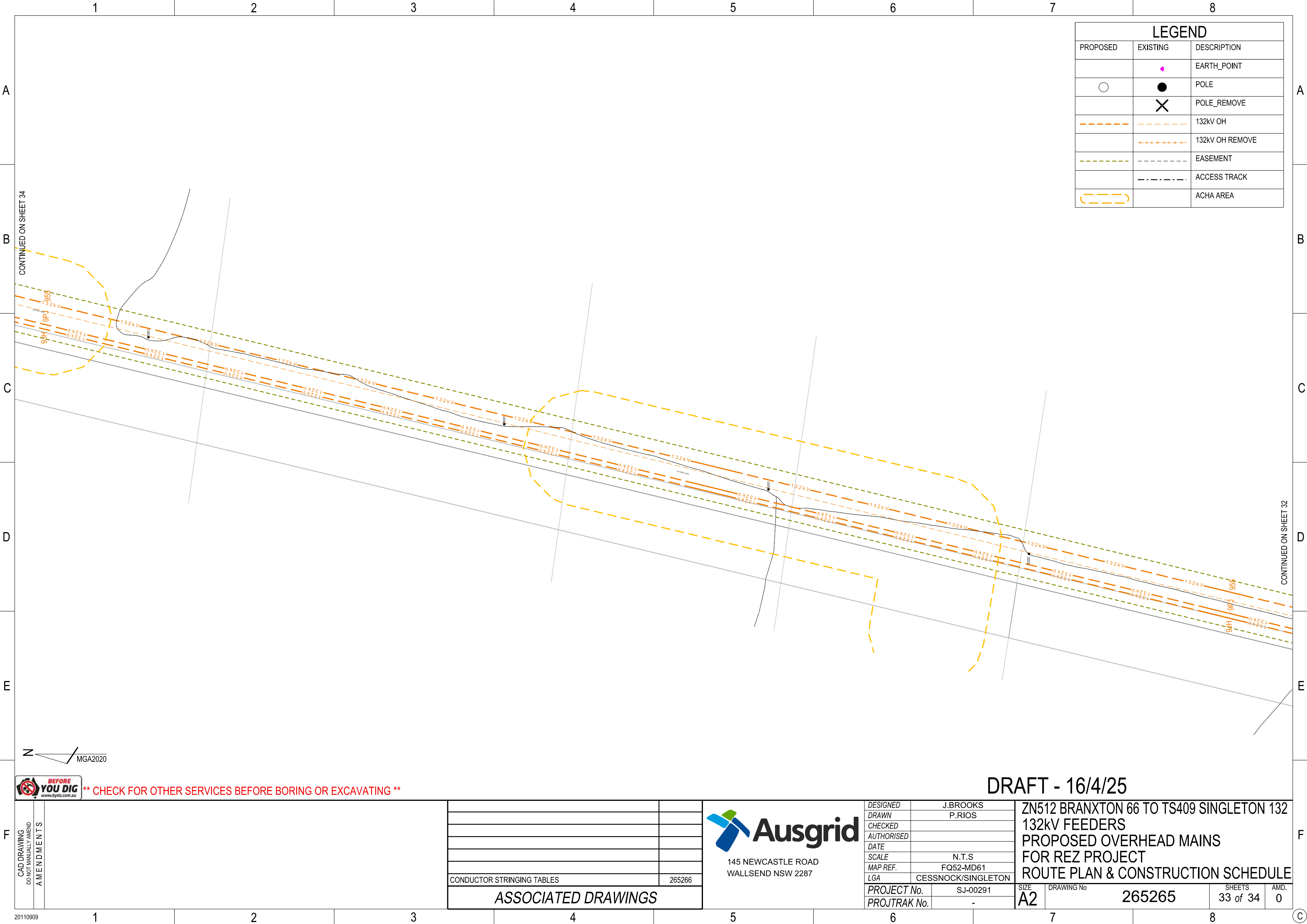
**** CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING ****

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS		

145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

ZN512 BRANXTON 66 TO TS409 SINGLETON 132 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE A2	DRAWING No 265265	SHEETS 32 of 34	AMD. 0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		132kV OH REMOVE
		EASEMENT
		ACCESS TRACK
		ACHA AREA



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

CAD DRAWING
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AMENDMENTS

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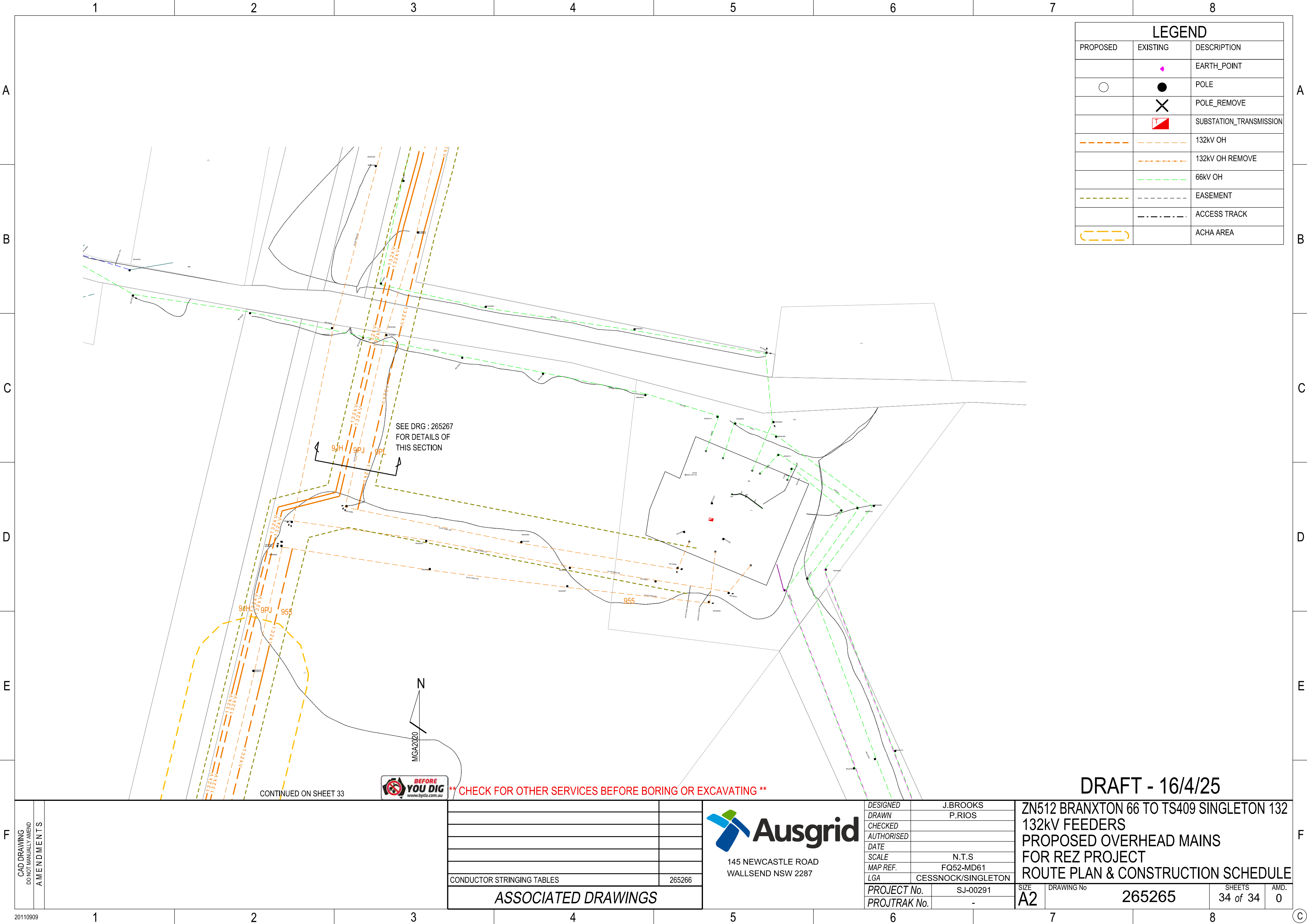
CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS	



145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

ZN512 BRANXTON 66 TO TS409 SINGLETON 132	
132kV FEEDERS	
PROPOSED OVERHEAD MAINS	
FOR REZ PROJECT	
ROUTE PLAN & CONSTRUCTION SCHEDULE	
SIZE	DRAWING No
A2	265265
SHEETS	AMD.
33 of 34	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_TRANSMISSION
		132kV OH
		132kV OH REMOVE
		66kV OH
		EASEMENT
		ACCESS TRACK
		ACHA AREA

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS

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CONTINUED ON SHEET 33

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

CONDUCTOR STRINGING TABLES	265266
ASSOCIATED DRAWINGS	

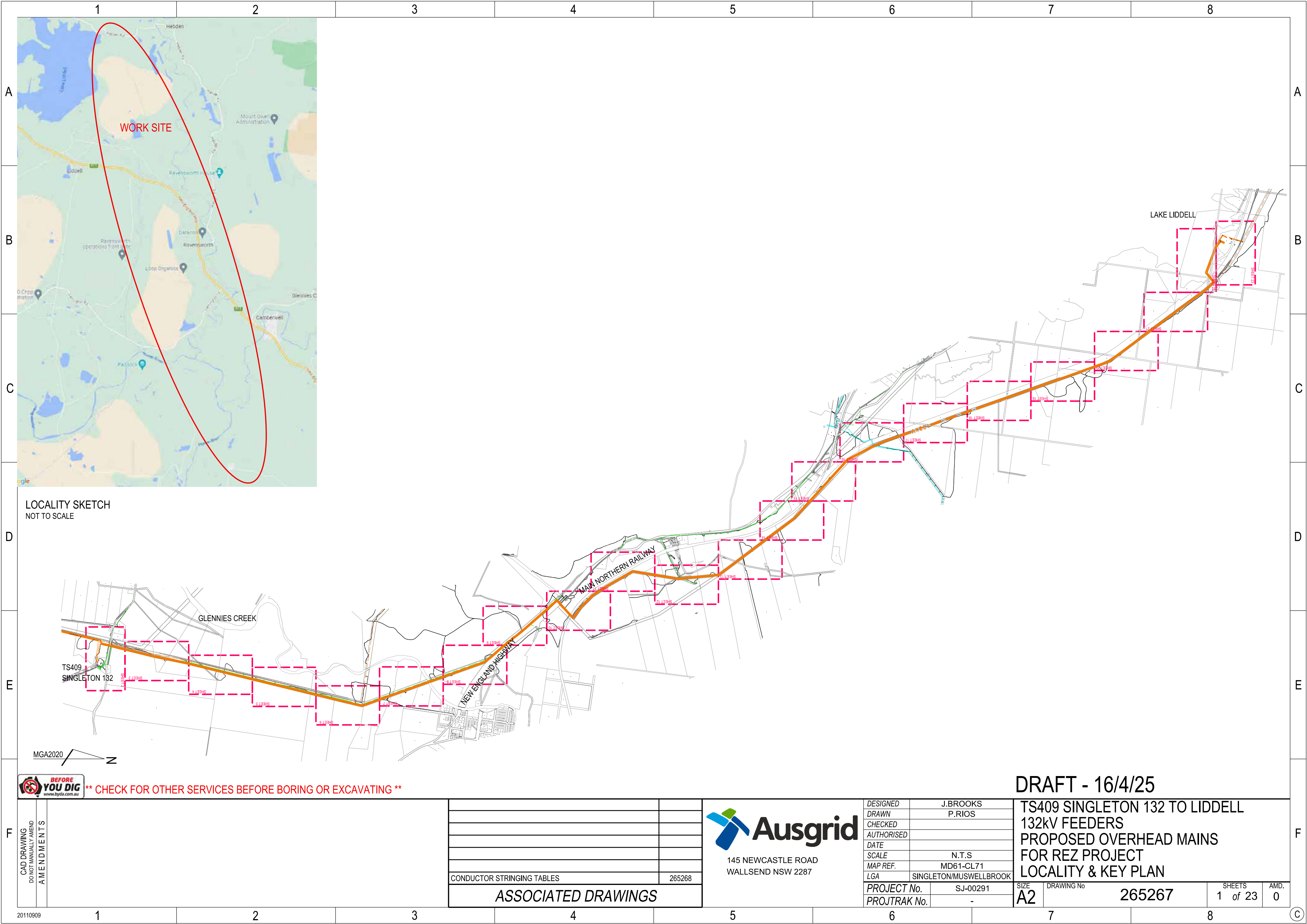
145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	FQ52-MD61
LGA	CESSNOCK/SINGLETON
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

**ZN512 BRANXTON 66 TO TS409 SINGLETON 132
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE**

SIZE	DRAWING No	SHEETS	AMD.
A2	265265	34 of 34	0



LOCALITY SKETCH
NOT TO SCALE

DRAFT - 16/4/25

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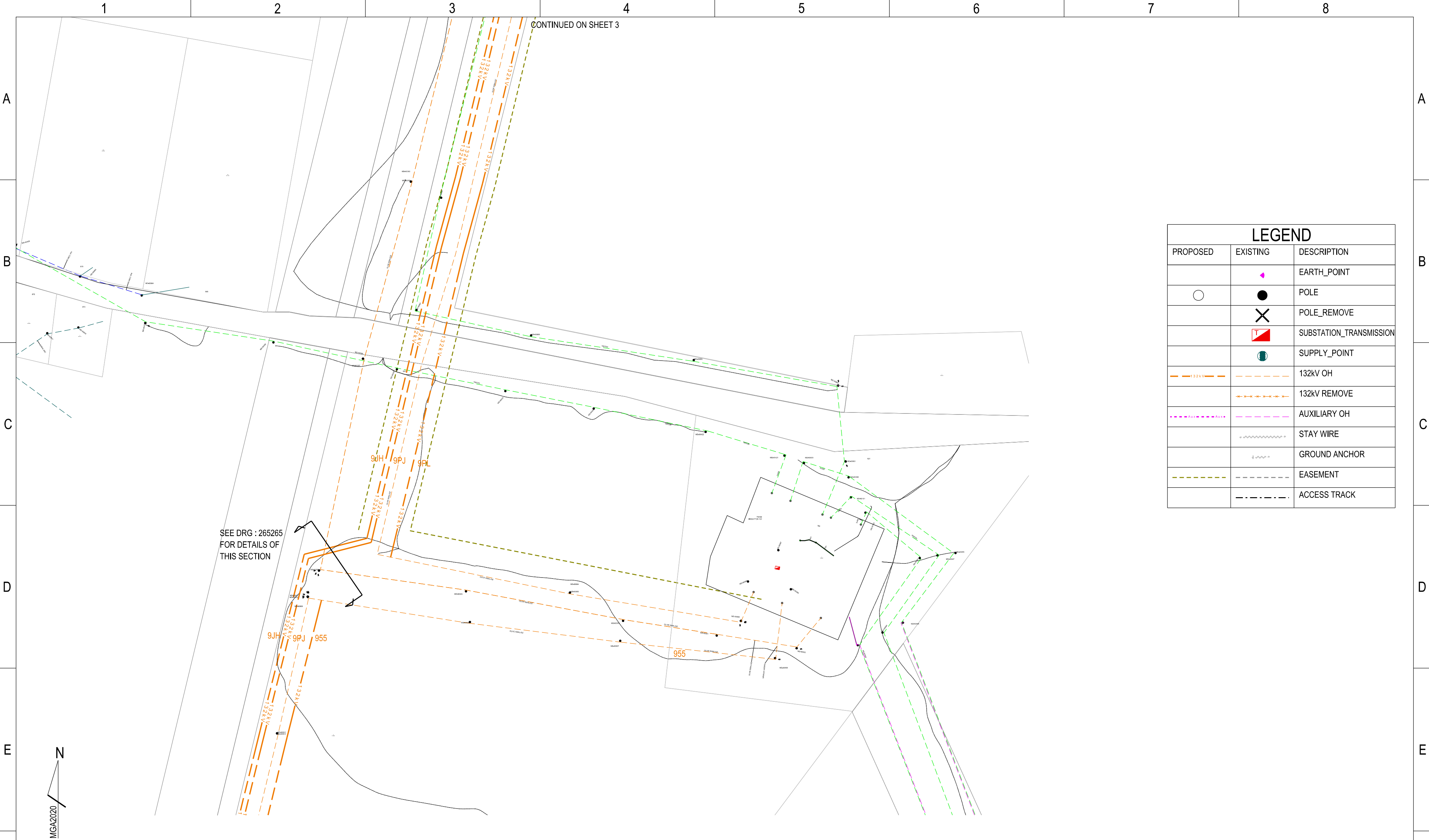
F	CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS								
		CONDUCTOR STRINGING TABLES		265268		ASSOCIATED DRAWINGS			



145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

TS409 SINGLETON 132 TO LIDDELL 132KV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT LOCALITY & KEY PLAN			
SIZE	A2	DRAWING No	265267
SHEETS	1 of 23	AMD.	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_TRANSMISSION
		SUPPLY_POINT
		132kV OH
		132kV REMOVE
		AUXILIARY OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265268
	ASSOCIATED DRAWINGS	



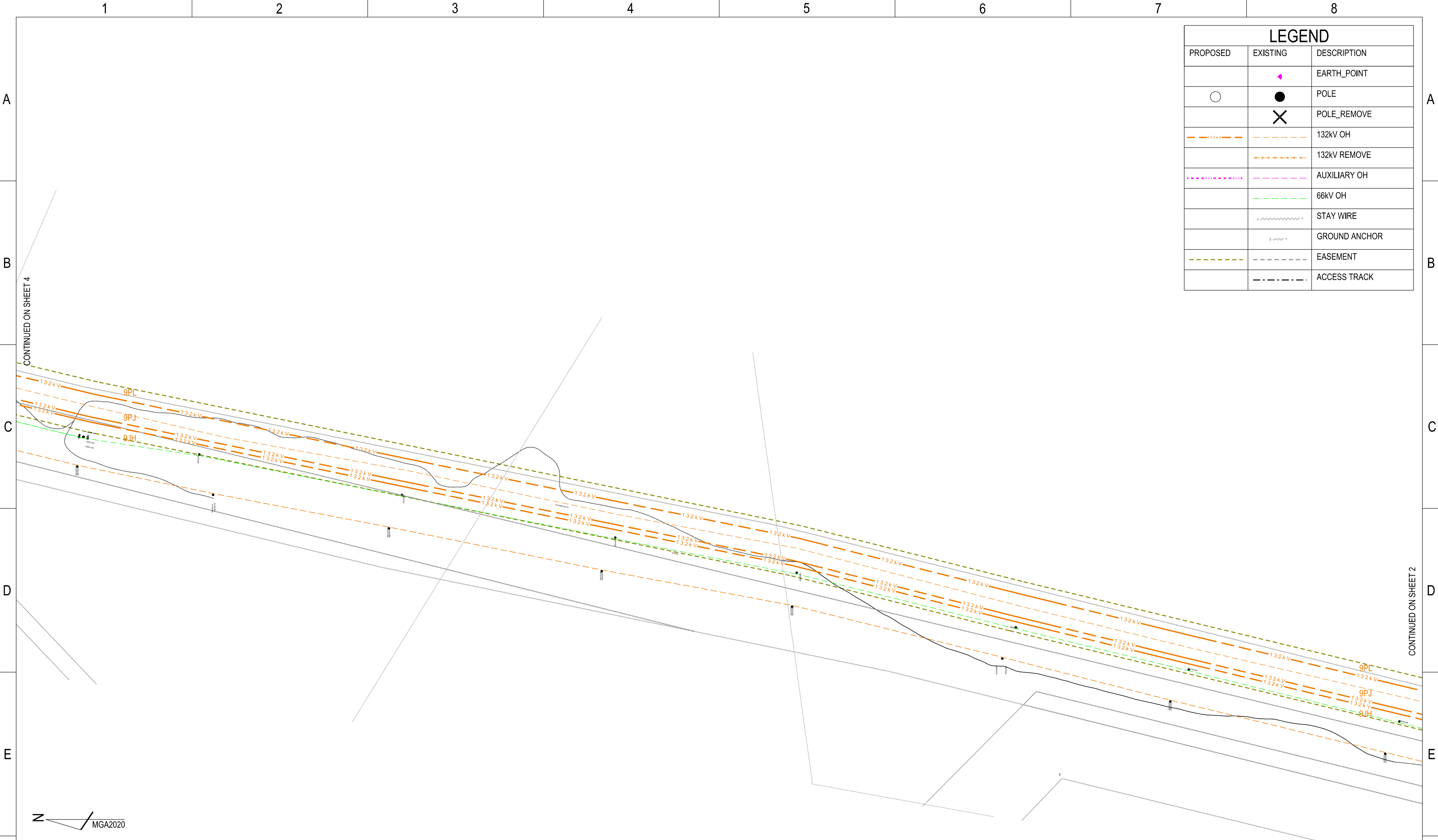
145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

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

SIZE	DRAWING No	SHEETS	AMD.
A2	265267	2 of 23	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		132kV REMOVE
		AUXILIARY OH
		66kV OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265268
ASSOCIATED DRAWINGS		



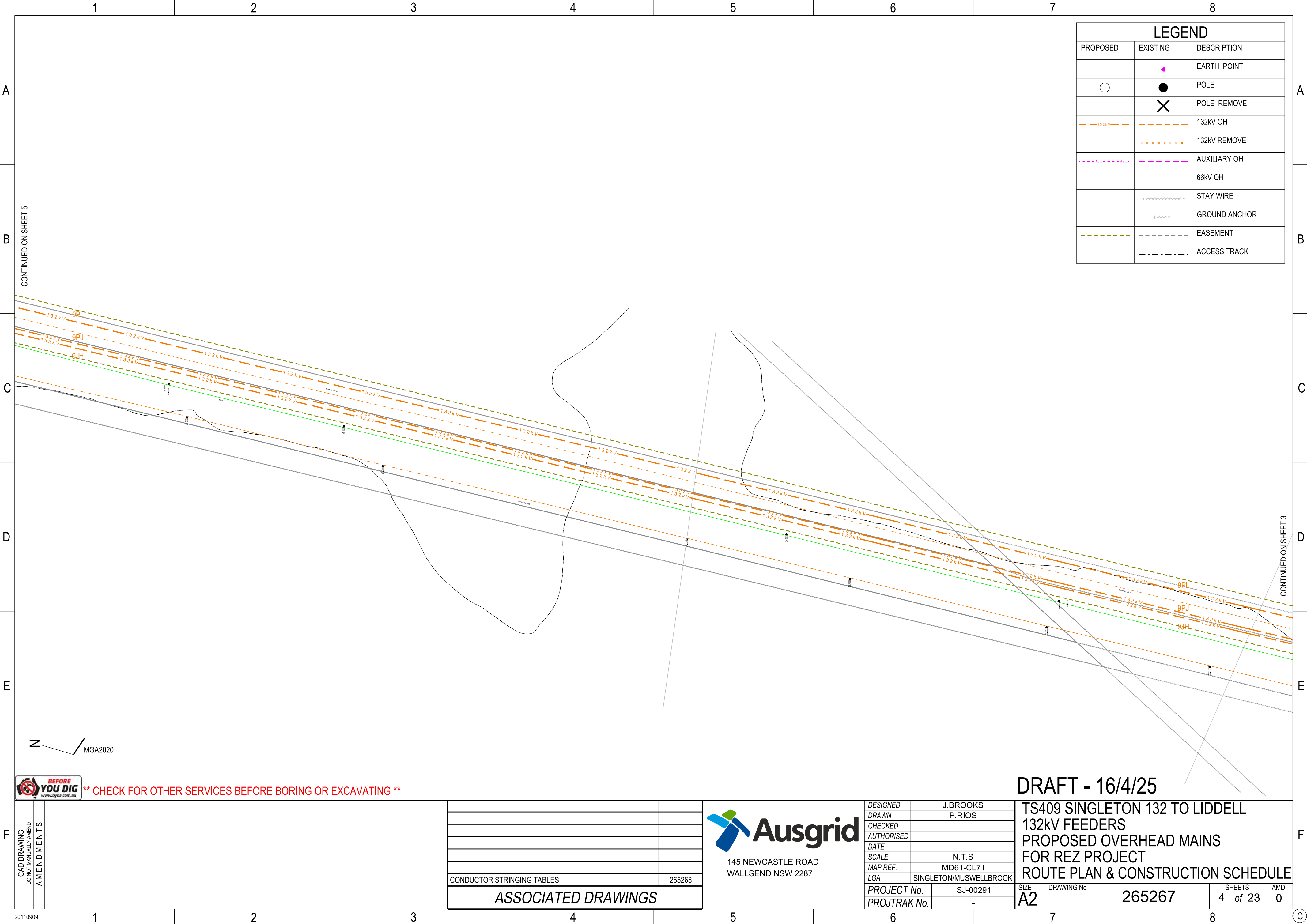
145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

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

SIZE	DRAWING No	SHEETS	AMD.
A2	265267	3 of 23	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		132kV REMOVE
		AUXILIARY OH
		66kV OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265268
ASSOCIATED DRAWINGS		



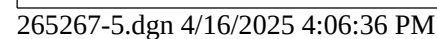
145 NEWCASTLE ROAD
WALLSEND NSW 2287

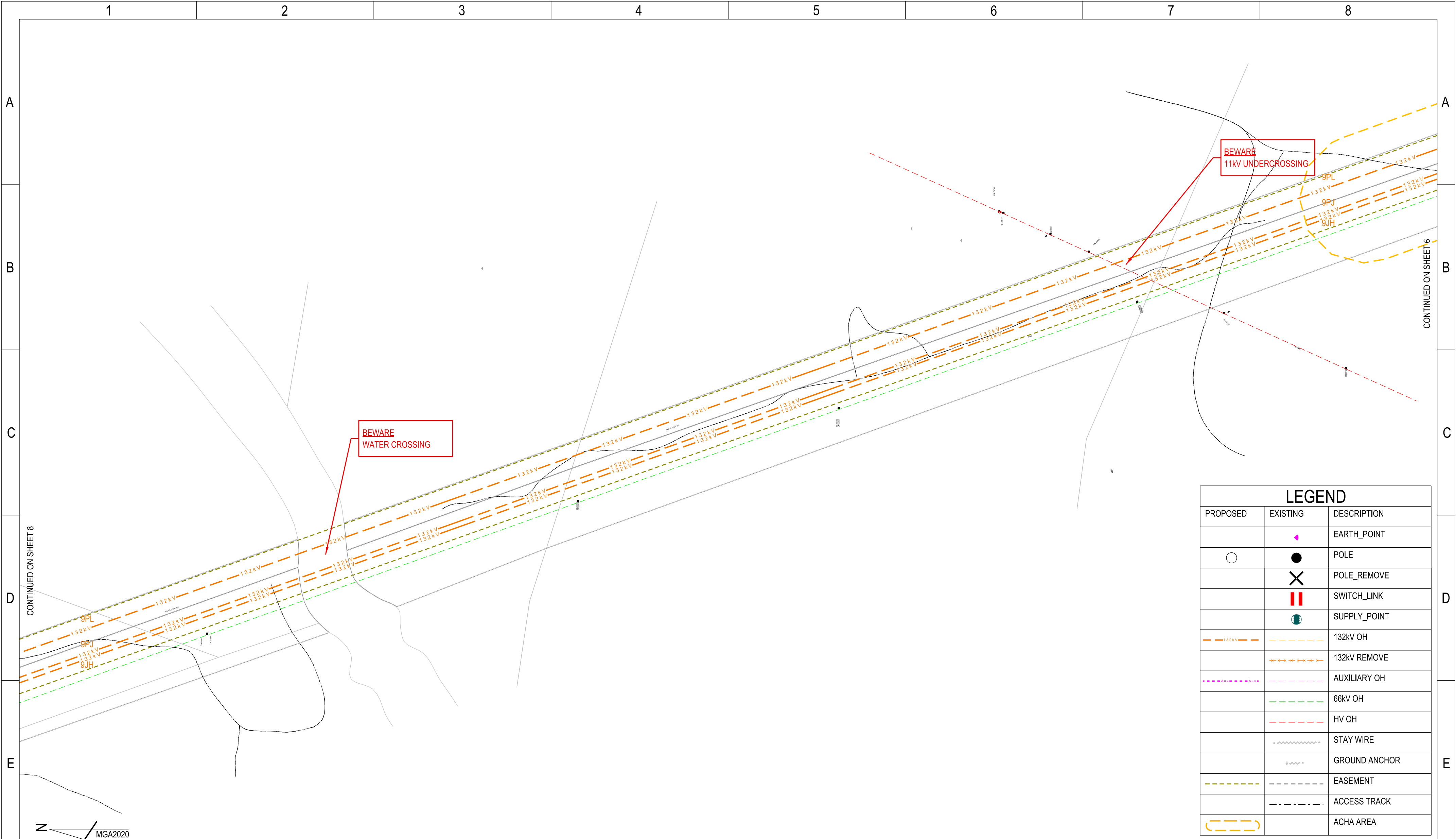
DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

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

SIZE	DRAWING No	SHEETS	AMD.
A2	265267	4 of 23	0





LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SWITCH_LINK
		SUPPLY_POINT
		132kV OH
		132kV REMOVE
		AUXILIARY OH
		66kV OH
		HV OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK
		ACHA AREA



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

F	CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS								

CONDUCTOR STRINGING TABLES	265268
ASSOCIATED DRAWINGS	



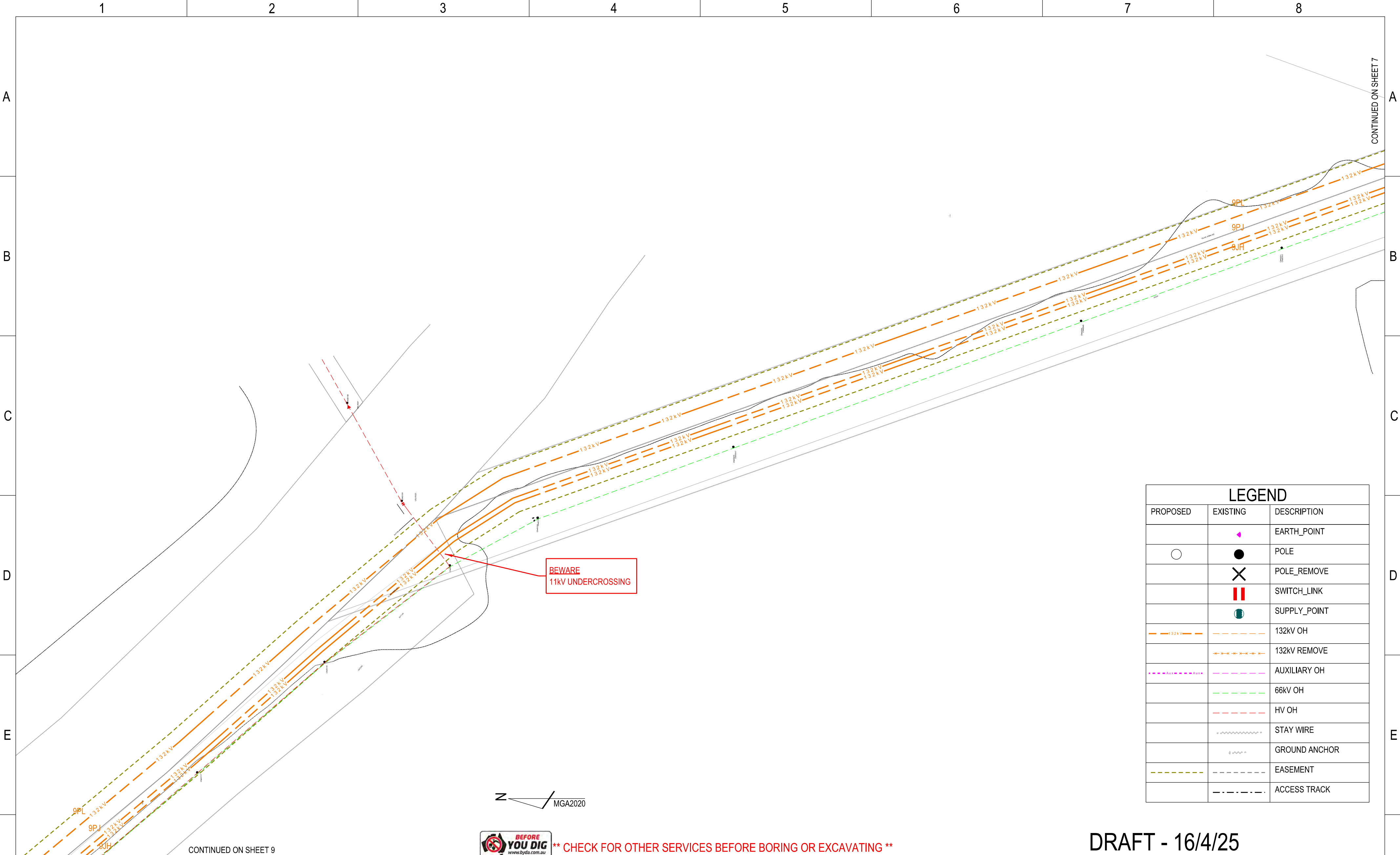
145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

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

SIZE	DRAWING No	SHEETS	AMD.
A2	265267	7 of 23	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SWITCH_LINK
		SUPPLY_POINT
		132kV OH
		132kV REMOVE
		AUXILIARY OH
		66kV OH
		HV OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS

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CONTINUED ON SHEET 9

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CONDUCTOR STRINGING TABLES	265268

ASSOCIATED DRAWINGS

145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

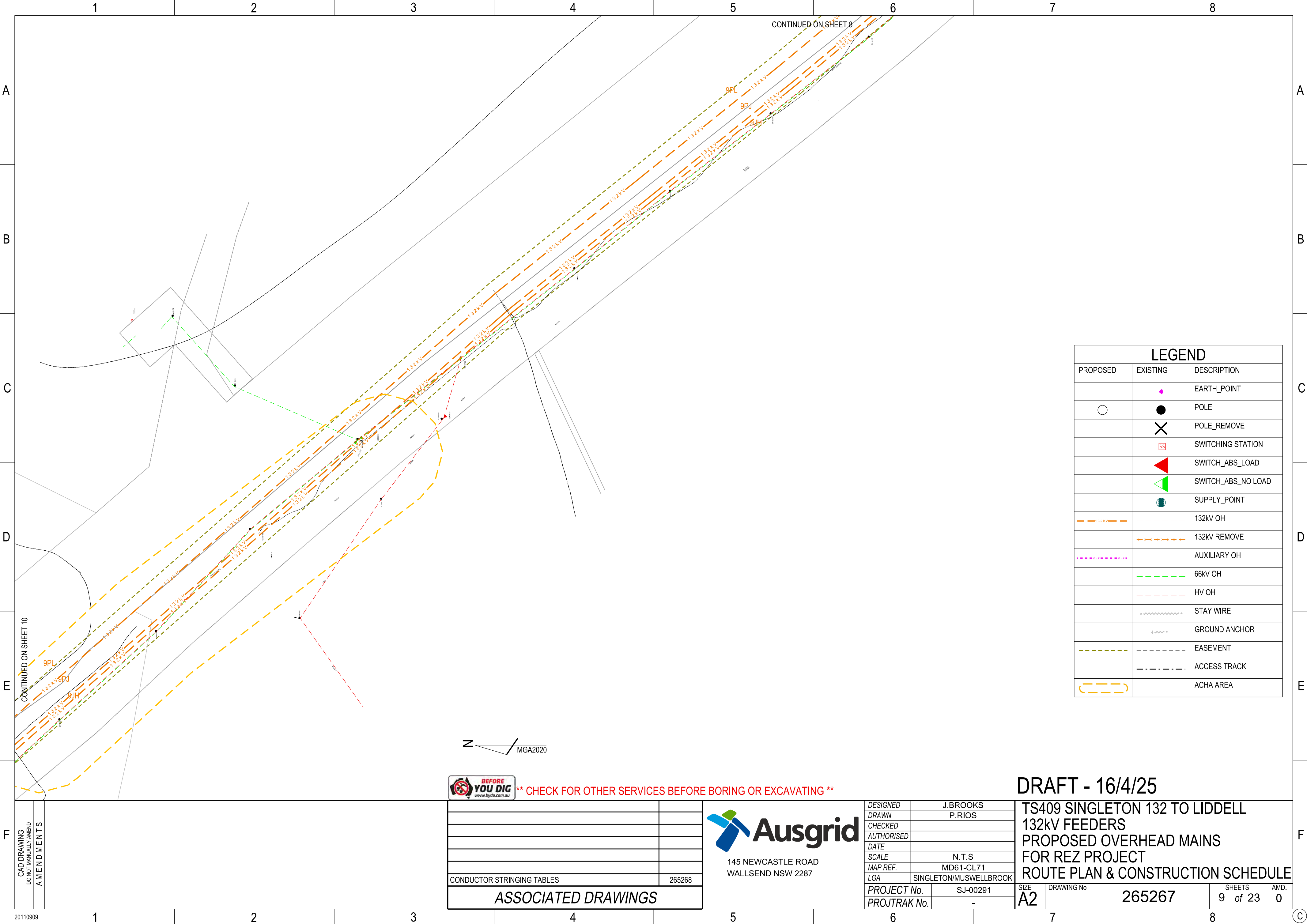
TS409 SINGLETON 132 TO LIDDELL
132kV FEEDERS
PROPOSED OVERHEAD MAINS
FOR REZ PROJECT
ROUTE PLAN & CONSTRUCTION SCHEDULE

SIZE	A2	DRAWING No	265267	SHEETS	8 of 23	AMD.	0
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LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SWITCHING_STATION
		SWITCH_ABS_LOAD
		SWITCH_ABS_NO_LOAD
		SUPPLY_POINT
		132kV OH
		132kV REMOVE
		AUXILIARY OH
		66kV OH
		HV OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK
		ACHA AREA



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



145 NEWCASTLE ROAD
WALLSEND NSW 2287

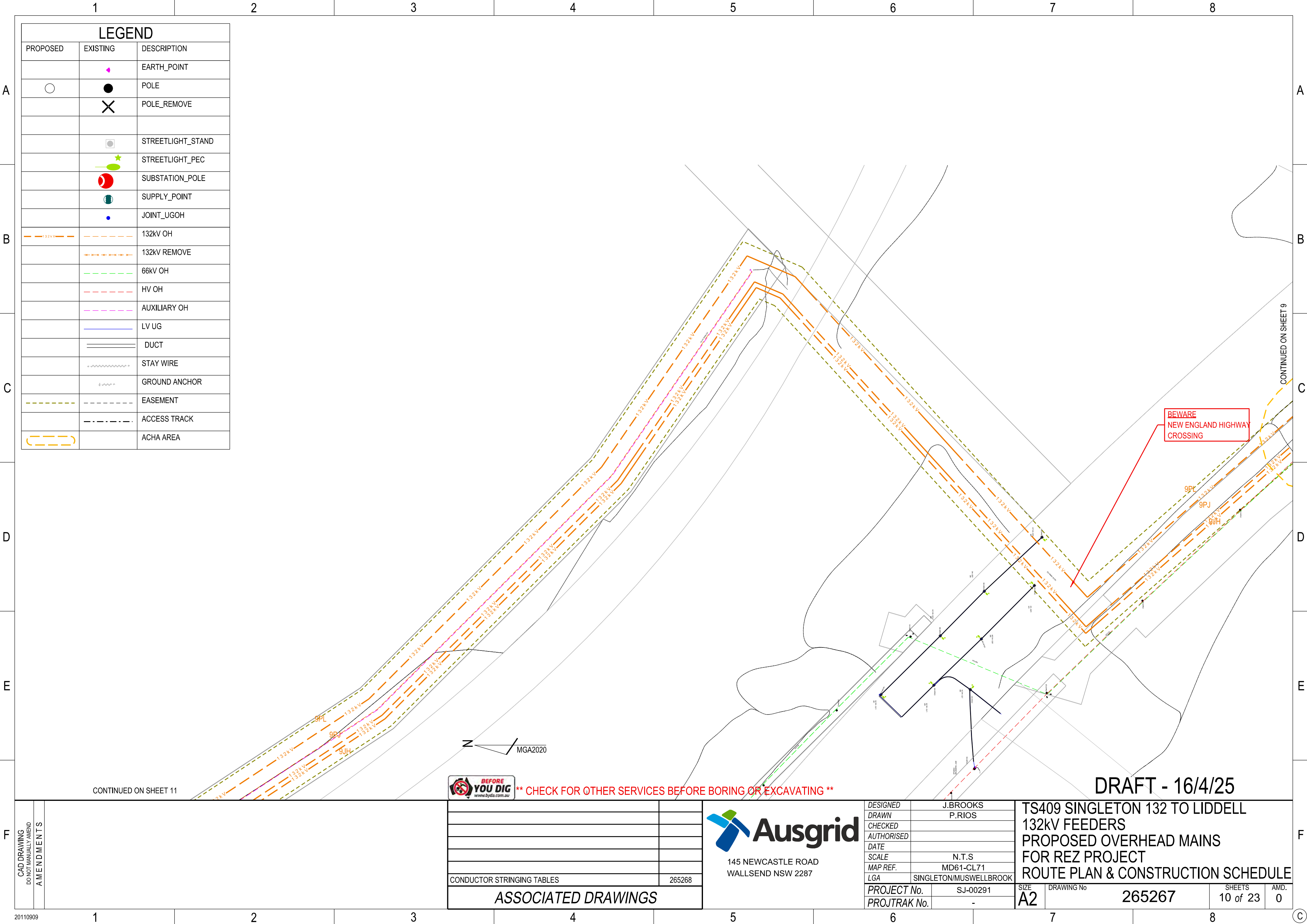
DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

DRAFT - 16/4/25

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

SIZE	DRAWING No	SHEETS	AMD.
A2	265267	9 of 23	0

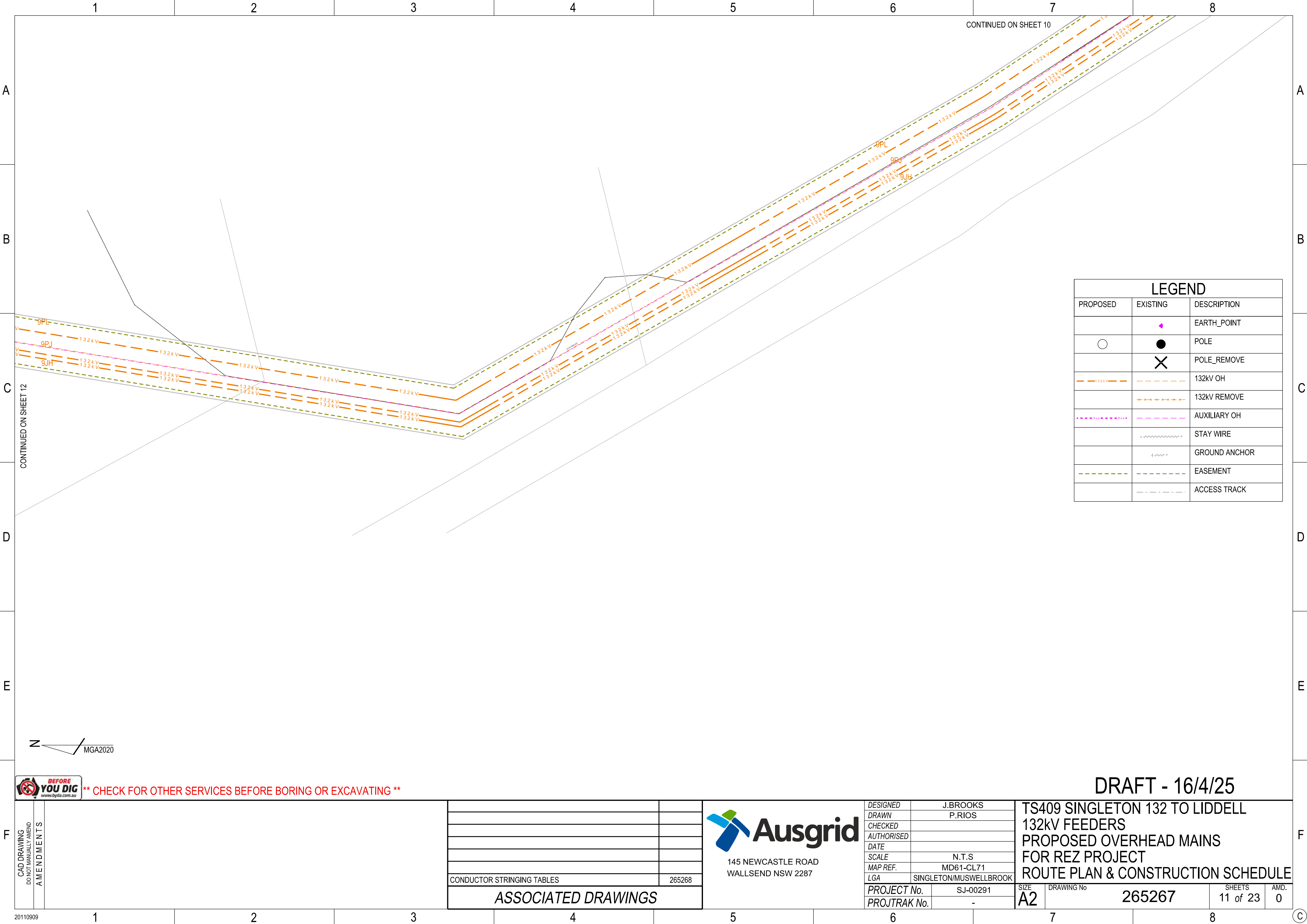
CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265268
ASSOCIATED DRAWINGS		



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		STREETLIGHT_STAND
		STREETLIGHT_PEC
		SUBSTATION_POLE
		SUPPLY_POINT
		JOINT_UGOH
		132kV OH
		132kV REMOVE
		66kV OH
		HV OH
		AUXILIARY OH
		LV UG
		DUCT
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK
		ACHA AREA

F	CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS								
		CONDUCTOR STRINGING TABLES		265268					
		ASSOCIATED DRAWINGS							

	DESIGNED	J.BROOKS	TS409 SINGLETON 132 TO LIDDELL 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE	
	DRAWN	P.RIOS		
	CHECKED			
	AUTHORISED			
	DATE			
	SCALE	N.T.S	SIZE	A2
	MAP REF.	MD61-CL71	DRAWING No	265267
	LGA	SINGLETON/MUSWELLBROOK	SHEETS	10 of 23
	PROJECT No.	SJ-00291	AMD.	0
	PROJTRAK No.	-		



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		132kV REMOVE
		AUXILIARY OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK



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

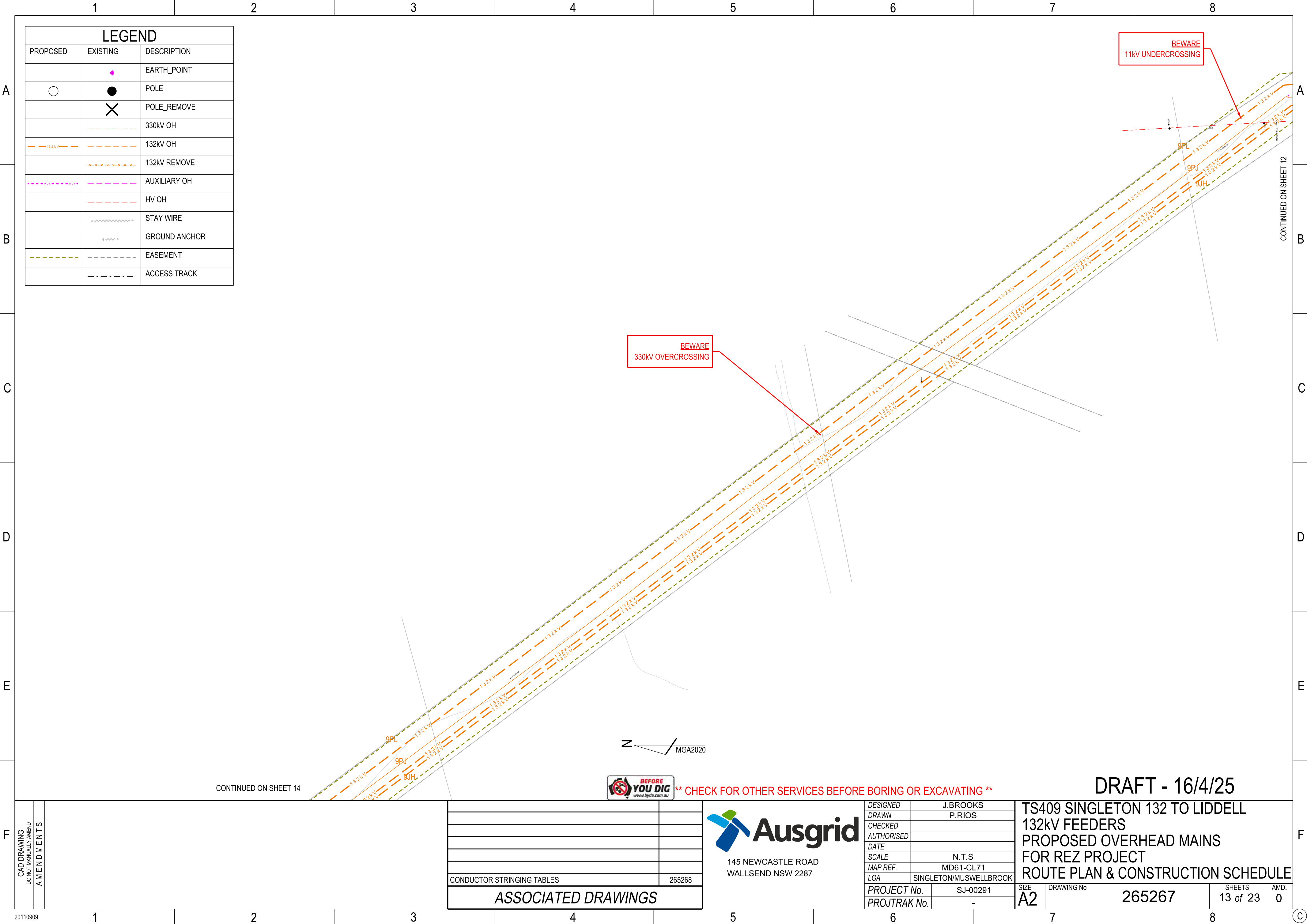
CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265268
ASSOCIATED DRAWINGS		



145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

TS409 SINGLETON 132 TO LIDDELL 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE A2	DRAWING No 265267	SHEETS 11 of 23	AMD. 0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		330kV OH
		132kV OH
		132kV REMOVE
		AUXILIARY OH
		HV OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK



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

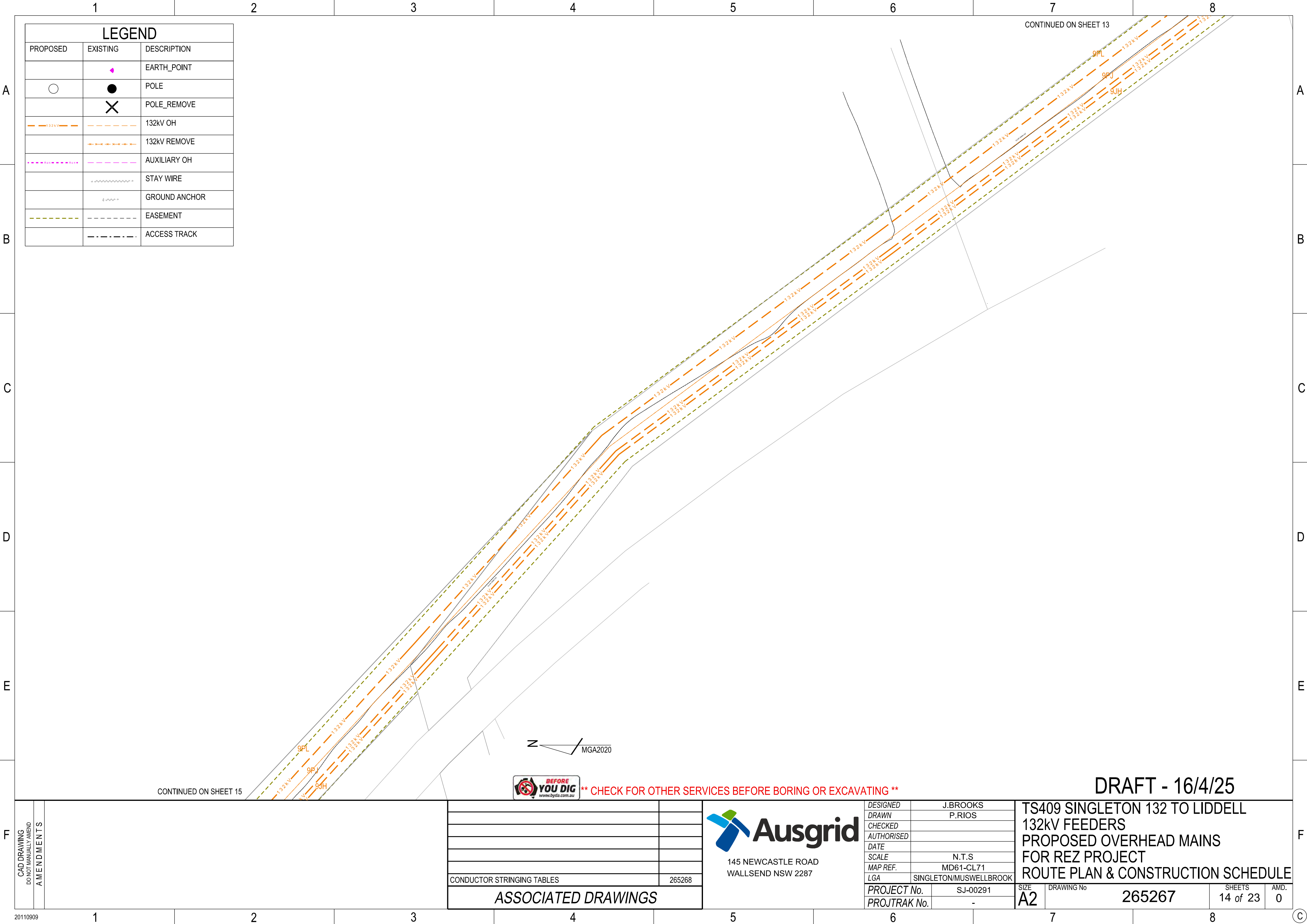


145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

TS409 SINGLETON 132 TO LIDDELL 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No	SHEETS	AMD.
A2	265267	13 of 23	0

CONDUCTOR STRINGING TABLES	265268
ASSOCIATED DRAWINGS	



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	◆	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
---	---	132kV OH
	---	132kV REMOVE
---	---	AUXILIARY OH
	---	STAY WIRE
	---	GROUND ANCHOR
---	---	EASEMENT
	---	ACCESS TRACK

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS

CONDUCTOR STRINGING TABLES		265268
ASSOCIATED DRAWINGS		

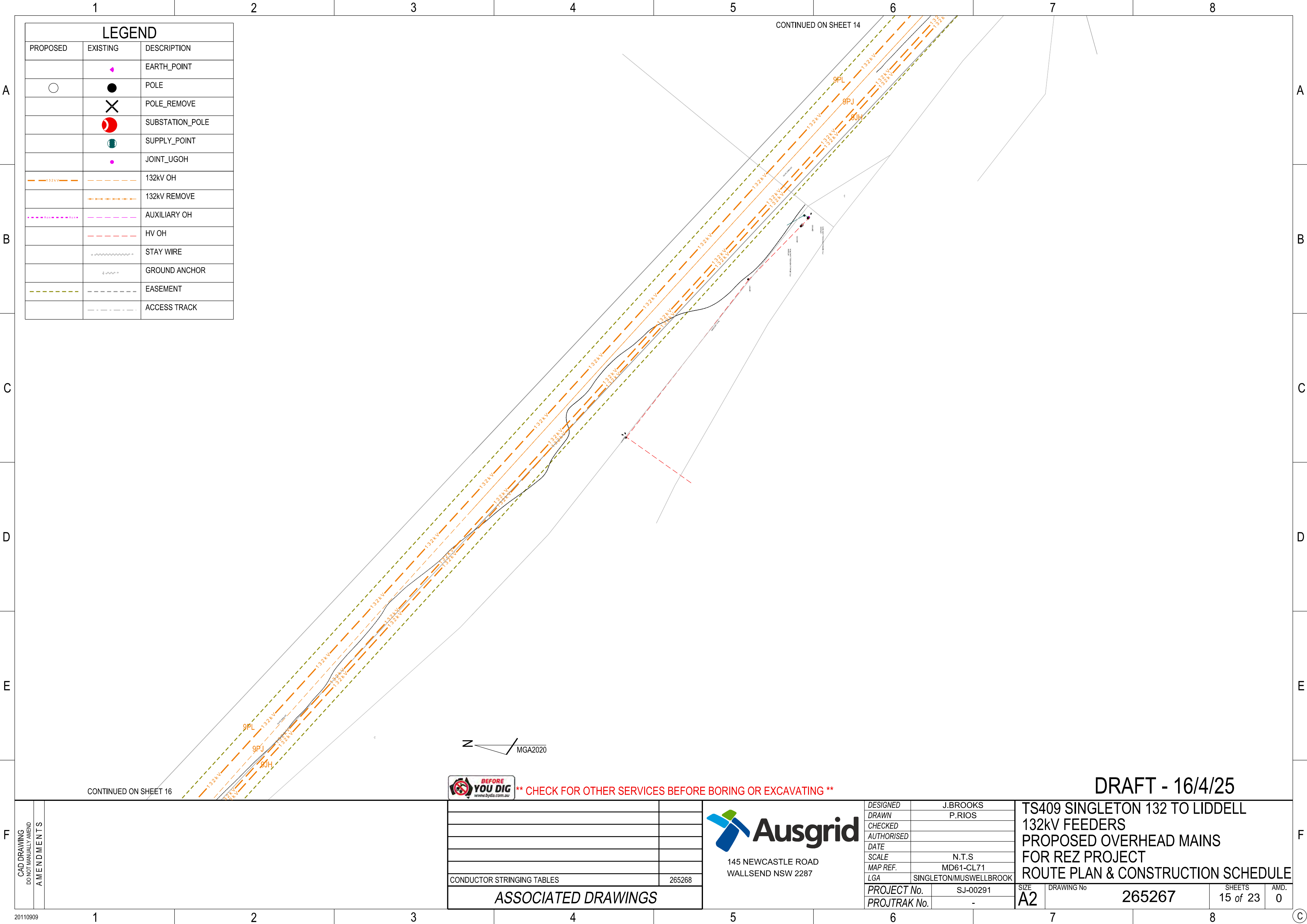
145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

SIZE	DRAWING No	SHEETS	AMD.
A2	265267	14 of 23	0

DRAFT - 16/4/25

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



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION_POLE
		SUPPLY_POINT
		JOINT_UGOH
		132kV OH
		132kV REMOVE
		AUXILIARY OH
		HV OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK



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

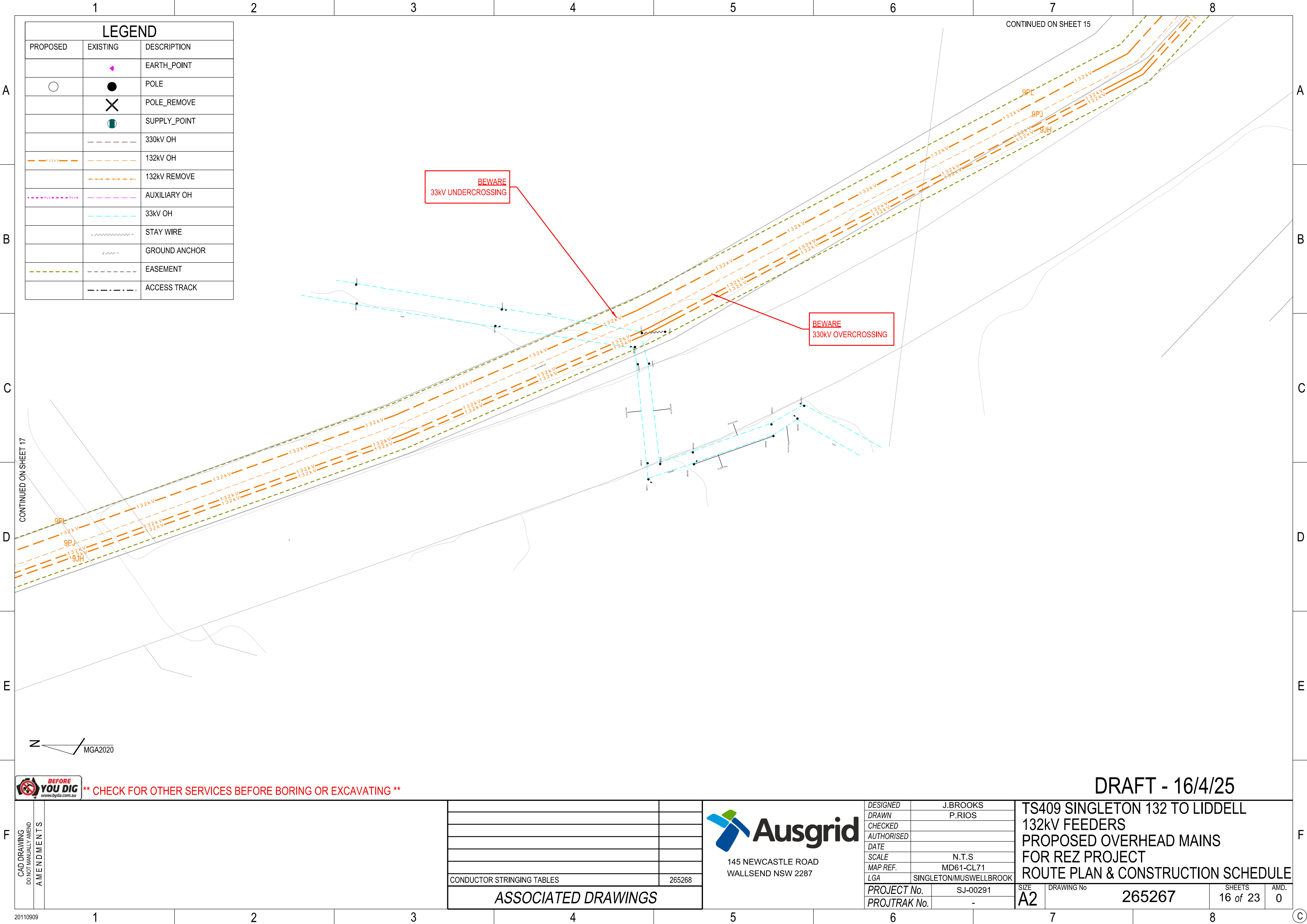


145 NEWCASTLE ROAD
WALLSEND NSW 2287

CONDUCTOR STRINGING TABLES	265268
ASSOCIATED DRAWINGS	

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

TS409 SINGLETON 132 TO LIDDELL 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE		SIZE	DRAWING No	SHEETS	AMD.
		A2	265267	15 of 23	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUPPLY_POINT
		330kV OH
		132kV OH
		132kV REMOVE
		AUXILIARY OH
		33kV OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK

BEWARE
33kV UNDERCROSSING

BEWARE
330kV OVERCROSSING

CONTINUED ON SHEET 17

CONTINUED ON SHEET 15



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

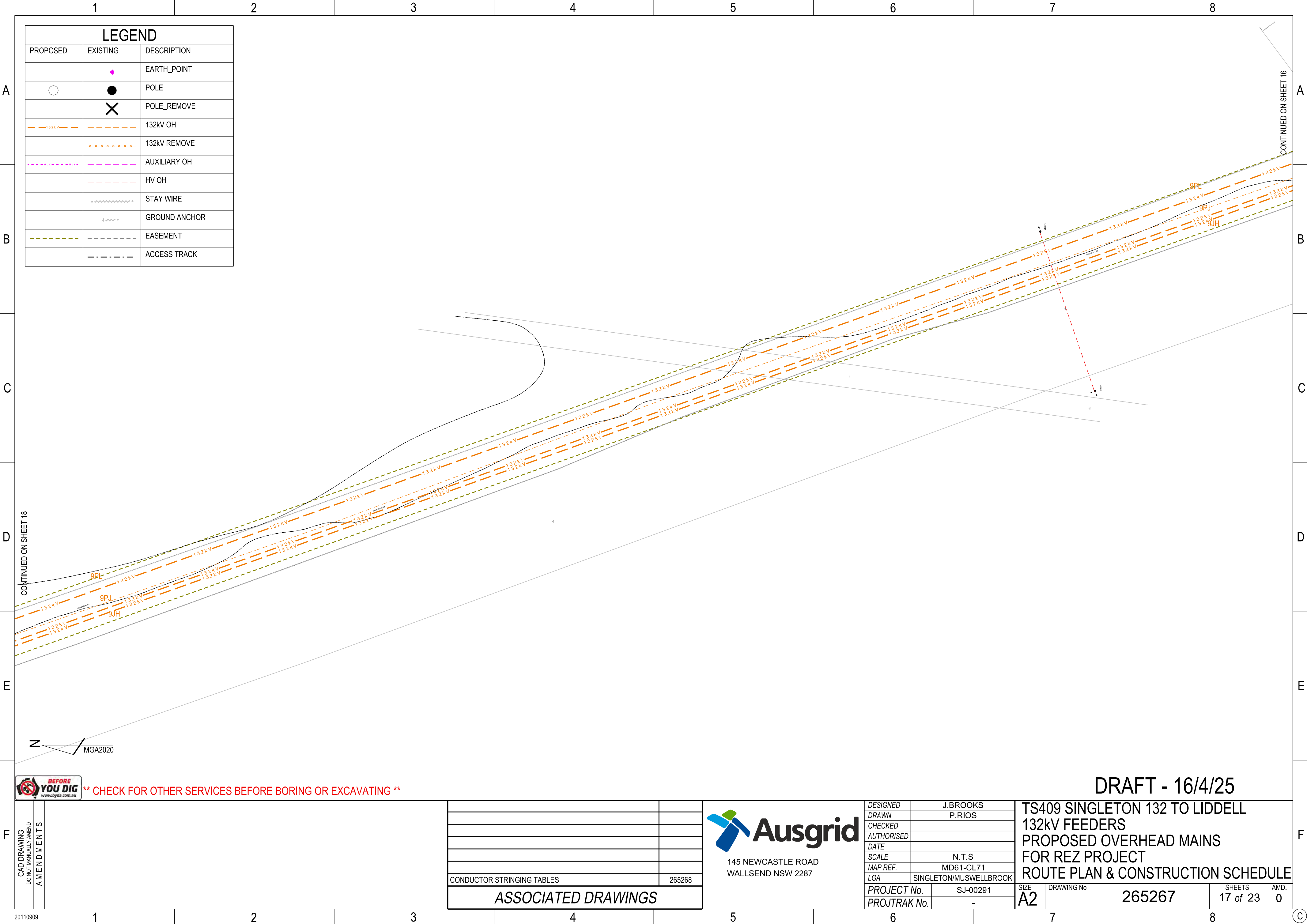
CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS		
	CONDUCTOR STRINGING TABLES	265268
ASSOCIATED DRAWINGS		



145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

TS409 SINGLETON 132 TO LIDDELL 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No	SHEETS	AMD.
A2	265267	16 of 23	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		132kV REMOVE
		AUXILIARY OH
		HV OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK

CONTINUED ON SHEET 18

CONTINUED ON SHEET 16



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	

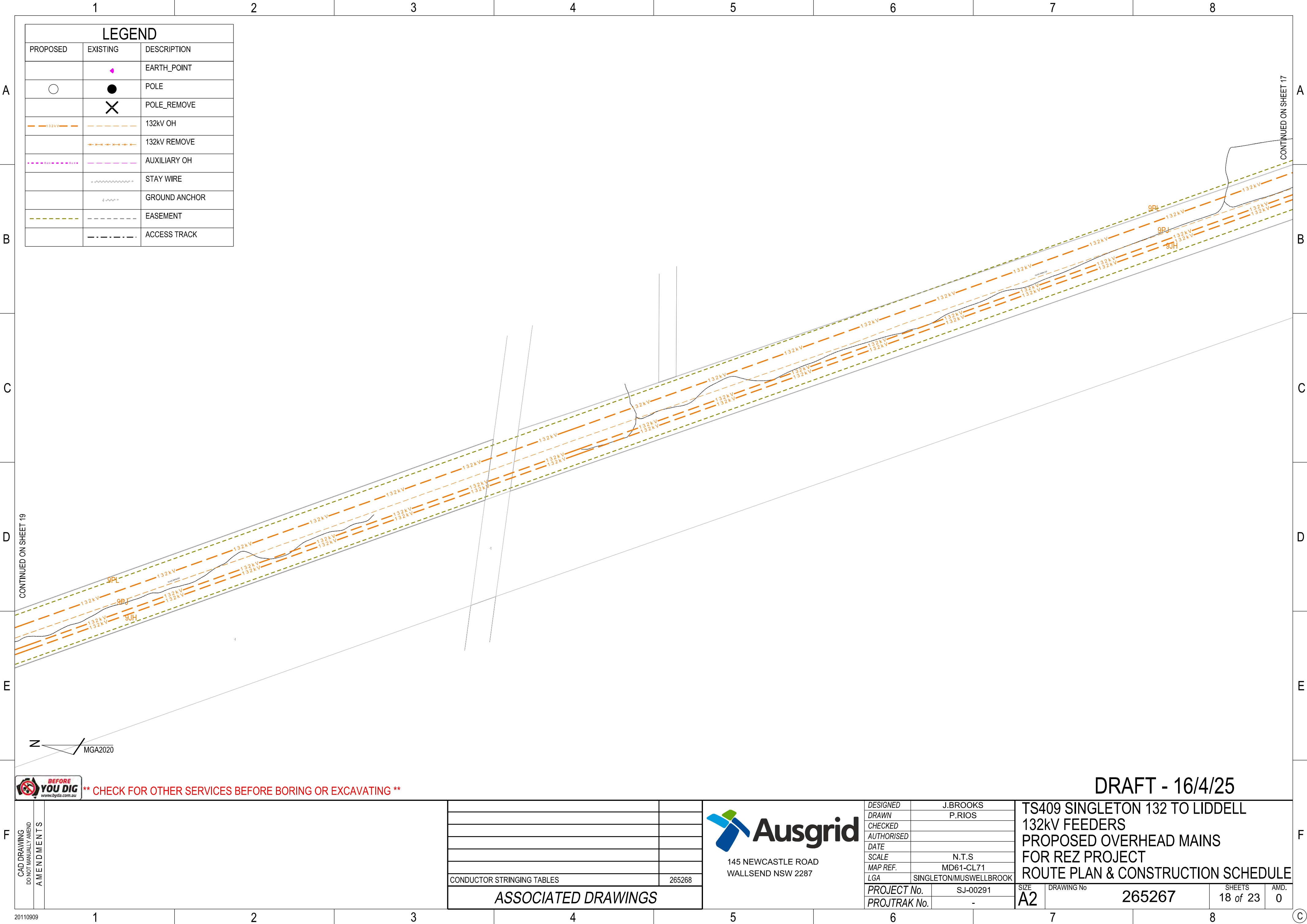
CONDUCTOR STRINGING TABLES	265268
ASSOCIATED DRAWINGS	



145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

TS409 SINGLETON 132 TO LIDDELL 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No	SHEETS	AMD.
A2	265267	17 of 23	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		132kV REMOVE
		AUXILIARY OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK

CONTINUED ON SHEET 19

CONTINUED ON SHEET 17

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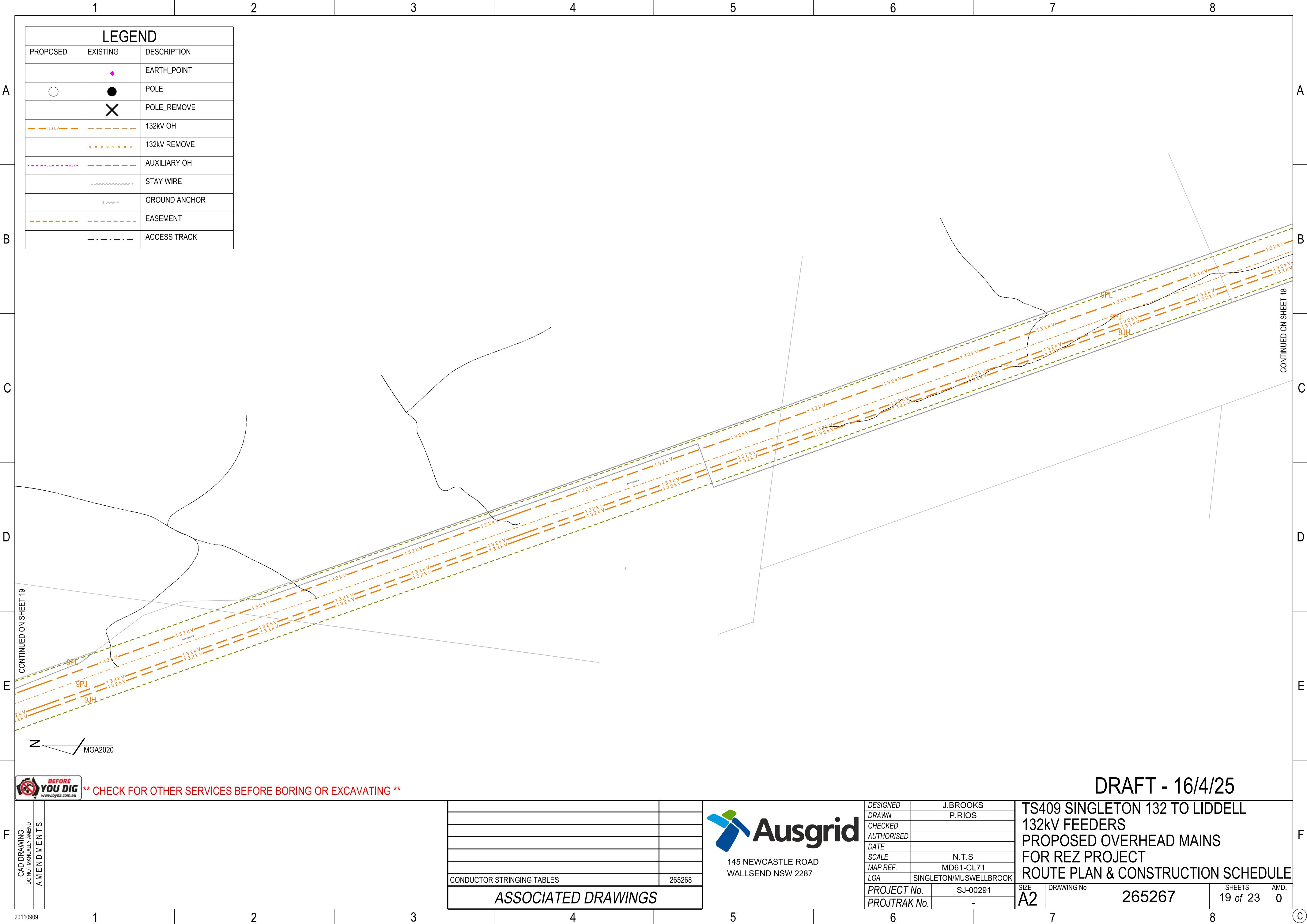
** CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING **

F	CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS				
		CONDUCTOR STRINGING TABLES	265268		
		ASSOCIATED DRAWINGS			

145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

TS409 SINGLETON 132 TO LIDDELL 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No	SHEETS	AMD.
A2	265267	18 of 23	0



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

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AMENDMENTS

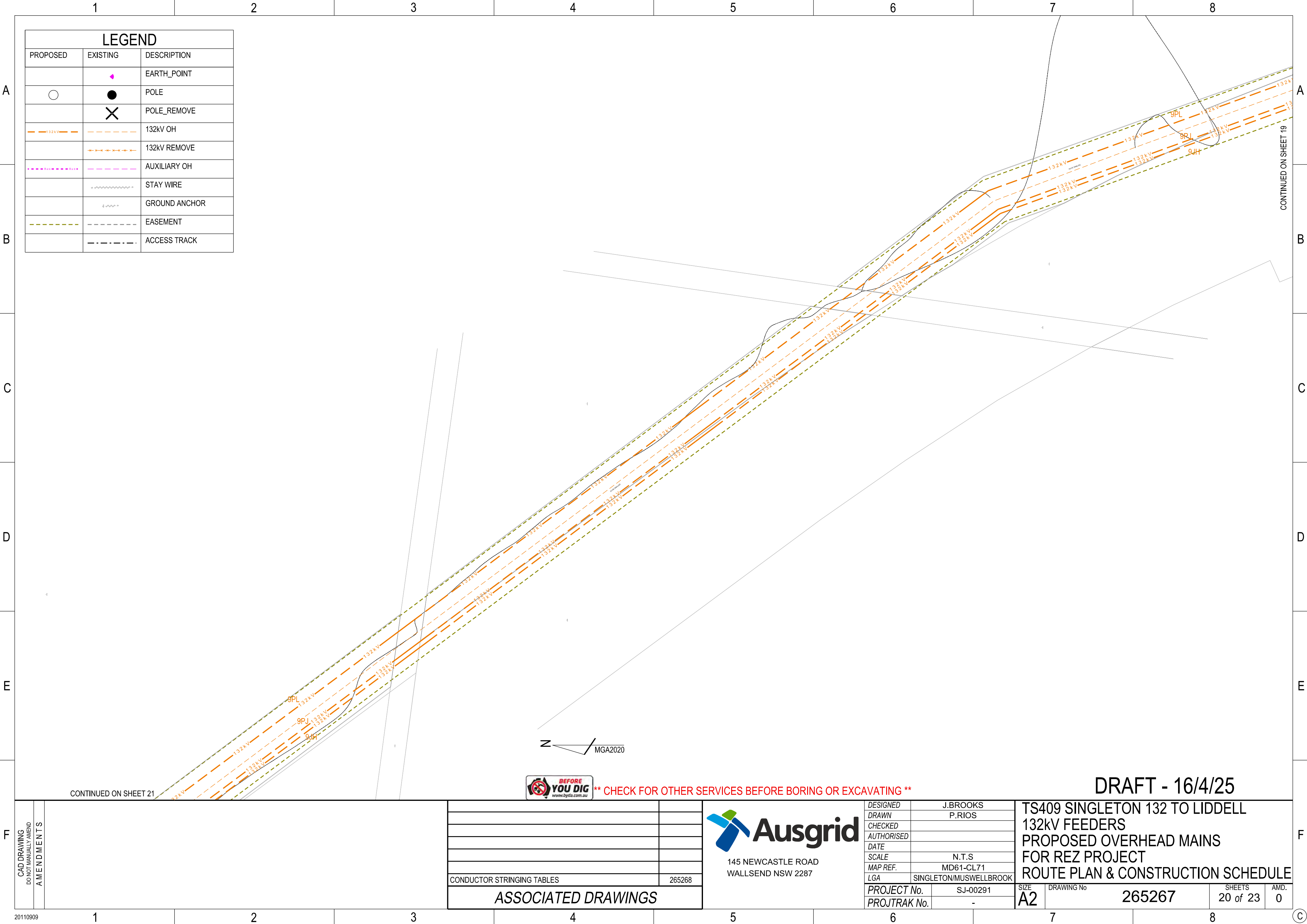
CONDUCTOR STRINGING TABLES	265268
ASSOCIATED DRAWINGS	



145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

TS409 SINGLETON 132 TO LIDDELL 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No	SHEETS	AMD.
A2	265267	19 of 23	0



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
	◆	EARTH_POINT
○	●	POLE
	✕	POLE_REMOVE
---132kV---	---	132kV OH
	---✕---✕---✕---	132kV REMOVE
---Aux---Aux---	---	AUXILIARY OH
	~~~~~	STAY WIRE
	~~~~~	GROUND ANCHOR
---	---	EASEMENT
	---	ACCESS TRACK



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



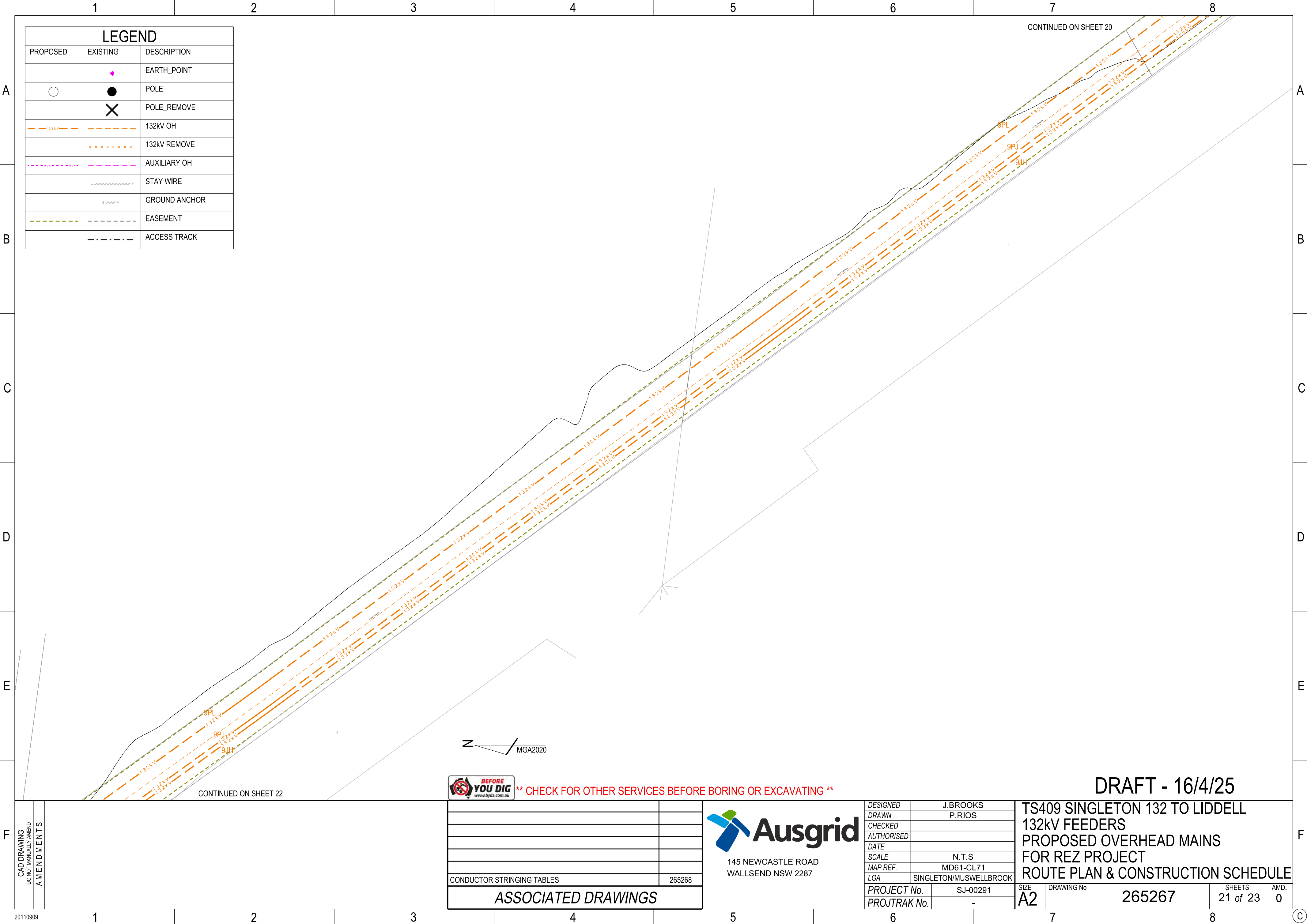
145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

TS409 SINGLETON 132 TO LIDDELL 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE				
SIZE	DRAWING No		SHEETS	AMD.
A2	265267		20 of 23	0

CONDUCTOR STRINGING TABLES	265268
ASSOCIATED DRAWINGS	

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	
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LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		132kV OH
		132kV REMOVE
		AUXILIARY OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK



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



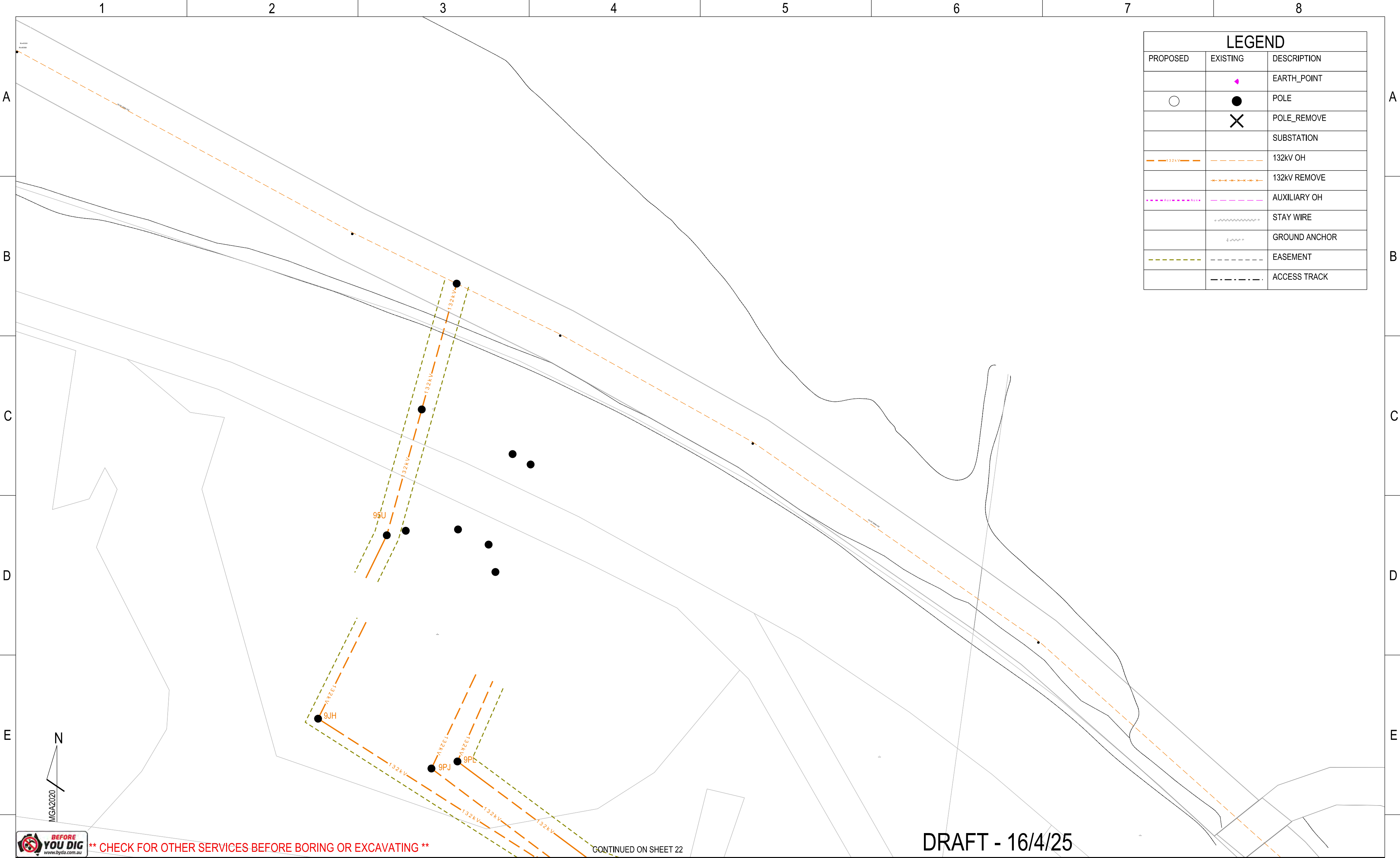
145 NEWCASTLE ROAD
WALLSEND NSW 2287

DESIGNED	J.BROOKS
DRAWN	P.RIOS
CHECKED	
AUTHORISED	
DATE	
SCALE	N.T.S
MAP REF.	MD61-CL71
LGA	SINGLETON/MUSWELLBROOK
PROJECT No.	SJ-00291
PROJTRAK No.	-

TS409 SINGLETON 132 TO LIDDELL 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE			
SIZE	DRAWING No	SHEETS	AMD.
A2	265267	21 of 23	0

CONDUCTOR STRINGING TABLES		265268
ASSOCIATED DRAWINGS		

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS



LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH_POINT
		POLE
		POLE_REMOVE
		SUBSTATION
		132kV OH
		132kV REMOVE
		AUXILIARY OH
		STAY WIRE
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK

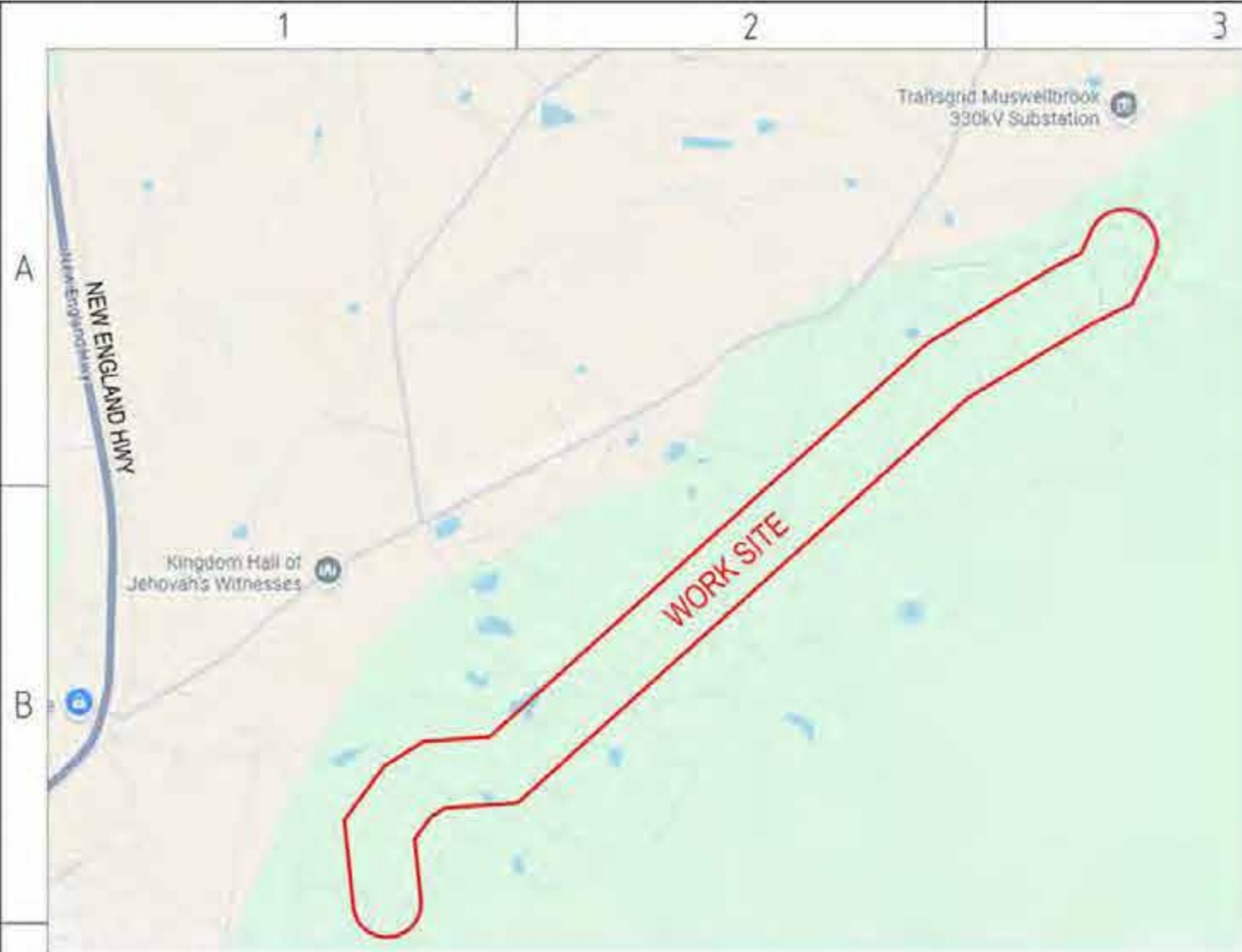


**** CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING ****

CONTINUED ON SHEET 22

DRAFT - 16/4/25

F	CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS				 145 NEWCASTLE ROAD WALLSEND NSW 2287	DESIGNED	J.BROOKS	TS409 SINGLETON 132 TO LIDDELL 132kV FEEDERS PROPOSED OVERHEAD MAINS FOR REZ PROJECT ROUTE PLAN & CONSTRUCTION SCHEDULE	SIZE A2	DRAWING No 265267	SHEETS 23 of 23	AMD. 0
						DRAWN	P.RIOS					
						CHECKED						
						AUTHORISED						
						DATE						
			SCALE	N.T.S								
			MAP REF.	MD61-CL71								
			LGA	SINGLETON/MUSWELLBROOK								
			PROJECT No.	SJ-00291								
			PROJTRAK No.	-								
			CONDUCTOR STRINGING TABLES		265268							
			ASSOCIATED DRAWINGS									



LOCALITY SKETCH
NOT TO SCALE

CONSTRUCTION NOTES:

1. REFER TO SAFETY IN DESIGN DESIGNER REPORT D25/XXXXXX FOR ATYPICAL HAZARDS ASSOCIATED WITH DESIGN.
2. DESIGN SOFTWARE: PLS CADD VERSION 20.01
3. WHEN WORK IS COMPLETE THE FOLLOWING FEEDERS CAN BE OPERATED AT:
 - a. 132kV FEEDER 95F - 120°C BETWEEN POLE XX-XXXX & POLE XX-XXXX
 - b. 132kV FEEDER 95M - 120°C BETWEEN POLE XX-XXXX & POLE XX-XXXX
 - c. 132kV FEEDER 95U(2) - 120°C BETWEEN POLE XX-XXXX & POLE XX-XXXX
 - d. 132kV FEEDER 95U(3) - 120°C BETWEEN POLE XX-XXXX & POLE XX-XXXX
 - e. 132kV FEEDER 9PM - 120°C BETWEEN POLE XX-XXXX & POLE XX-XXXX
 - f. 132kV FEEDER 95H - 120°C BETWEEN POLE XX-XXXX & POLE XX-XXXX
 - g. 132kV FEEDER 86194 - 120°C BETWEEN POLE XX-XXXX & POLE XX-XXXX
 - h. 66kV FEEDER 6022 - 120°C BETWEEN POLE XX-XXXX & POLE XX-XXXX
4. THE INFORMATION 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 BEFORE CONSTRUCTION COMMENCES. BYD PLANS MUST BE NO OLDER THAN 20 BUSINESS DAYS AT TIME OF CONSTRUCTION.
5. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH AUSGRID'S NETWORK STANDARDS.
6. POLE LOCATION AND POLE ALIGNMENT PEGS TO BE PEGGED BY SURVEY. POLE ALIGNMENT PEGS TO BE USED TO ALIGN LOWER SECTION OF POLE WITH POLE ZERO AXIS. POLE TAG IS ON THE ZERO AXIS.
7. GROUND CONDITIONS SHOULD BE INSPECTED BY A SUITABLY QUALIFIED AND EXPERIENCED PERSON DURING THE WORKS (SEE DOUGLAS PARTNERS REPORT ON GEOTECHNICAL INVESTIGATION PROPOSED MUSWELLBROOK SUBSTATION, REPORT ON SUPPLEMENTARY GEOTECHNICAL INVESTIGATIONS, REPORT ON PRELIMINARY CONTAMINATION TESTING & REPORT ON GEOTECHNICAL INVESTIGATION HUNTER POLE REPLACEMENT PROGRAM FOR EXPECTED CONDITIONS).
8. ORDER CONCRETE TO ACHIEVE THE DESIGNATED STRENGTH WITHIN 7 DAYS. ALLOW CONCRETE TO CURE FOR 7 DAYS PRIOR TO PLACING ANY LOADS ON THE POLE TO ENSURE FULL STRENGTH IS ACHIEVED.
9. CONCRETE TO BE SUPPLIED IN ACCORDANCE WITH A.S. 1379 - SPECIFICATION AND SUPPLY OF CONCRETE.

EARTHING NOTES:

1. THE POLE FOOTING SHALL BE EARTHED IN ACCORDANCE WITH THE REQUIREMENTS OF N.S.260.
2. SEE DRG: 520209, 520210 & 236804 FOR DETAILS OF STRUCTURE EARTHING & MULTIPLE POLE BONDING.
3. INSTALLER/TESTER TO RECORD 'AS BUILT' DETAILS AND MEASURED FOOTING IMPEDANCES ON TEST SHEETS. THESE ARE TO BE PROVIDED TO NETWORK EARTHING FOR ENDORSEMENT PRIOR TO THE CONNECTION OF THE OHEW/OPGW.
4. THE FOOTING IMPEDANCE MEASUREMENTS MUST BE TAKEN PRIOR TO THE CONNECTION TO THE OHEW/OPGW.
5. REFER TO AUSGRID'S NS116 ANNEXURE D8 LOCAL EARTHING - THREE TERMINAL TEST / FALL OF POTENTIAL TEST FOR APPROVED TEST METHODS.
6. THE TARGET IMPEDANCE FOR 132KV STRUCTURES IS <10 Ω AS PER NS264 SECTION 7.6.8.3. BASED ON SITE MEASUREMENTS, NETWORK EARTHING MAY SPECIFY ADDITIONAL DEEP ELECTRODES TO BE INSTALLED NEXT TO THE POLE TO ACHIEVE THE TARGET IMPEDANCES.

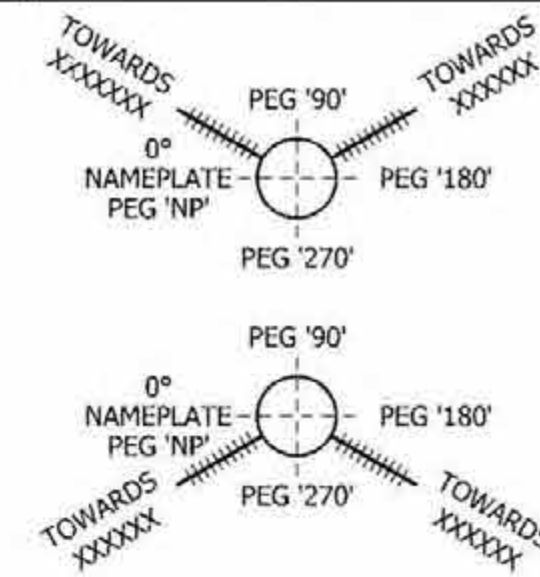
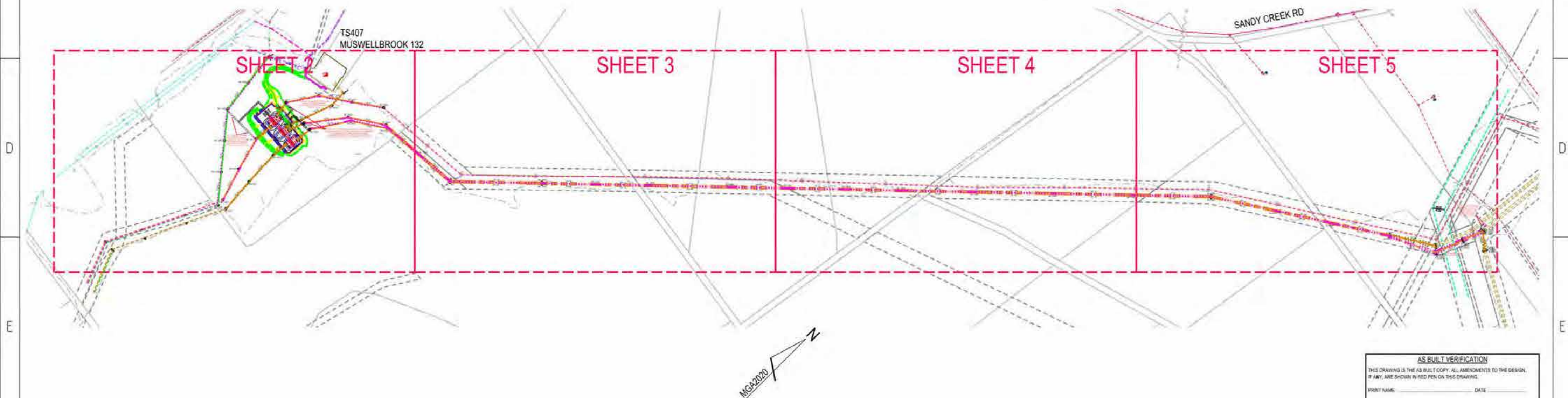
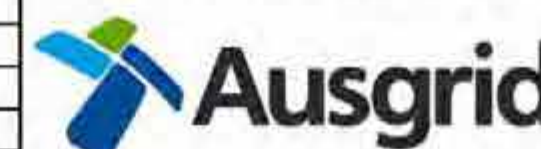


DIAGRAM: POLE ORIENTATION EXAMPLES



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

70% DESIGN



42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

DESIGNED	L.DUNKLEY
DRAWN	P.RIOS
CHECKED	checked by
AUTHORISED	authorised by
DATE	authorised date
SCALE	N.T.S
MAP REF.	BK12
LGA	MUSWELLBROOK

PROJECT No.	NC-01006
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TW.422 SANDY CREEK STSS TO
BS.18045 TRANSGRID MUSWELLBROOK
132kV FEEDERS 95F, 95H, 9PM, 9SM & 95U(2)
HCC REZ
LOCALITY & KEY PLAN

SIZE	A2	DRAWING No	269275	SHEETS	1 of 5	AMD	A
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AS BUILT VERIFICATION	
THIS DRAWING IS THE AS BUILT COPY. ALL AMENDMENTS TO THE DESIGN, IF ANY, ARE SHOWN IN RED PEN ON THIS DRAWING.	
PRINT NAME	DATE
SIGNED	
AS BUILT DRAWINGS APPROVED BY DESIGNER, INCLUDING ANY AMENDMENTS	
PRINT NAME	DATE
SIGNED	

ASSOCIATED DRAWINGS

TRANSGRID UNDER-CROSSING APPROVAL	269276
CONDUCTOR STRINGING TABLES	269275

POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE m	STRENGTH kN	TYPE T/C/S	BUTT DIAM mm	E/R/N	DEPTH m	132kV	DISTANCE FROM POLE TOP m	
BK-10610	24.0	120	S	1350	N	4.50	T	0.00	MAINTAIN EXISTING TENSION IN SPAN TOWARDS BK-10178.
BK-10611	28.0	80	S	1200	N	4.00	S	0.00	
BK-10612	24.0	120	S	1350	N	4.50	T	0.00	ROLL PHASE CONDUCTORS TO XXXXXX TO MAINTAIN CORRECT PHASING.
9PM FEEDER BAY	12.0		S		N		T	0.00	
BK-10613	32.0	120	S	1500	N	5.00	T	0.00	MAINTAIN EXISTING TENSION IN SPAN TOWARDS BK-10301. TERMINATE OPGW, INSTALL COIL BRACKET & SPUCE BOX AS PER DRG. 565743. OVERCROSS FEEDER 9022.
BK-10614	30.0	80	S	1350	N	4.50	S	0.00	
BK-10615	26.0	120	S	1350	N	4.50	T	0.00	TERMINATE OPGW, INSTALL COIL BRACKET & SPUCE BOX AS PER DRG. 565743. ROLL PHASE CONDUCTORS TO XXXXXX TO MAINTAIN CORRECT PHASING.
95F FEEDER BAY	12.0		S		N		T	0.00	
95F FEEDER BAY	12.0		S		N		T	0.00	
BK-10616	26.0	80	S	1200	N	8.00	T	0.00	LARGER EMBEDMENT DEPTH DUE TO SUBSTATION SITE FILL. USING EARTH FERRULES 100mm BELOW GROUND LEVEL. BOND POLE TO SUBSTATION EARTH GRID SIMILAR TO DRG. 236804 SHT. 1 DETAIL 'GB'. ROLL PHASE CONDUCTORS TO XXXXXX TO MAINTAIN CORRECT PHASING.
BK-10617	24.0	120	S	1350	N	4.50	T	0.00	
BK-10618	22.0	120	S	1200	N	5.00	T	0.00	TEST BORE LOCATION TO ENSURE IT IS FREE OF CONCRETE OR OTHER DEBRIS UNDERCROSS FEEDER 95H.
BK-10335	24.0	80	C		E		T	0.00	UNDERCROSS FEEDER 95H. ATTACH GWS-GROUND STAY 3.0m FROM HEAD OF POLE.
95H FEEDER BAY	12.0		S		N		T	0.00	
BK-10619	28.0	120	S	1350	N	5.00	T	0.00	TERMINATE OPGW, INSTALL COIL BRACKET & SPUCE BOX AS PER DRG. 565743. ROLL PHASE CONDUCTORS TO XXXXXX TO MAINTAIN CORRECT PHASING.
BK-10620	36.0	120	S	1500	N	6.00	T	0.00	TEST BORE LOCATION TO ENSURE IT IS FREE OF CONCRETE OR OTHER DEBRIS MECHANICAL TERMINATION OF OPGW ONLY. DO NOT CUT.
BK-10621	36.0	120	S	1500	N	6.00	T	0.00	MECHANICAL TERMINATION OF OPGW ONLY. DO NOT CUT. INSTALL COIL BRACKET & LEAVE 20m OF OPGW ON IT FOR FUTURE BYPASS CROSSING.
BK-10622	28.0	120	S	1350	N	5.00	T	0.00	MAINTAIN EXISTING TENSION IN SPAN TOWARDS BK-10189/90. TERMINATE OPGW, INSTALL COIL BRACKET & SPUCE BOX AS PER DRG. 565743.
95M FEEDER BAY	12.0		S		N		T	0.00	
BK-10623	28.0	120	S	1350	N	5.00	T	0.00	TERMINATE OPGW, INSTALL COIL BRACKET & SPUCE BOX AS PER DRG. 565743. ROLL PHASE CONDUCTORS TO XXXXXX TO MAINTAIN CORRECT PHASING.
BK-10624	32.0	120	S	1500	N	5.00	T	0.00	MECHANICAL TERMINATION OF OPGW ONLY. DO NOT CUT. INSTALL COIL BRACKET & LEAVE 20m OF OPGW ON IT FOR FUTURE BYPASS CROSSING.
95U(2) FEEDER BAY	12.0		S		N		T	0.00	
BK-10625	28.0	120	S	1350	N	5.00	T	0.00	TERMINATE OPGW, INSTALL COIL BRACKET & SPUCE BOX AS PER DRG. 565743. ROLL PHASE CONDUCTORS TO XXXXXX TO MAINTAIN CORRECT PHASING.
BK-10626	32.0	120	S	1500	N	5.00	T	0.00	MECHANICAL TERMINATION OF OPGW ONLY. DO NOT CUT. INSTALL COIL BRACKET & LEAVE 20m OF OPGW ON IT FOR FUTURE BYPASS CROSSING.
BK-10627/28	30.0	120	S	1500	N	5.00	T	0.00	MECHANICAL TERMINATION OF OPGW ONLY. DO NOT CUT. INSTALL COIL BRACKET & LEAVE 20m OF OPGW ON IT FOR FUTURE BYPASS CROSSING.

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

POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE m	STRENGTH kN	TYPE T/C/S	BUTT DIAM mm	E/R/N	DEPTH m	66kV	DISTANCE FROM POLE TOP m	
BK-10605	18.5	120	S	1200	N	4.50	T	0.00	MAINTAIN EXISTING TENSION IN SPAN TOWARDS BK-10301. TERMINATE OPGW, INSTALL COIL BRACKET & SPUCE BOX AS PER DRG. 565743. UNDERCROSS FEEDER 95F.
BK-10606	22.0	40	S	1050	N	4.00	S	0.00	
BK-10607	22.0	40	S	1050	N	4.00	S	0.00	
BK-10608	22.0	80	S	1200	N	4.00	T	0.00	234578 8.00 TERMINATE OPGW, INSTALL COIL BRACKET & SPUCE BOX AS PER DRG. 565743. TRANSITION FROM OPGW TO UNDERSLUNG ADSS TOWARDS BK-10609.
BK-10609	22.0	40	S	1050	N	4.00	S	0.00	234569 7.00
BK-10329	24.0	80	C		E		T	0.00	234585 12.00 ATTACH TWO (2) GWS-GROUND STAYS 5.75m FROM HEAD OF THE POLE.
BK-10353	14.0	8	T		E			0.00	234569 6.00
BK-10352	15.5	12	T		E			0.00	234577 6.00 CONSTRUCT ADSS UG AS PER DRG. 212386 SHT. 3.

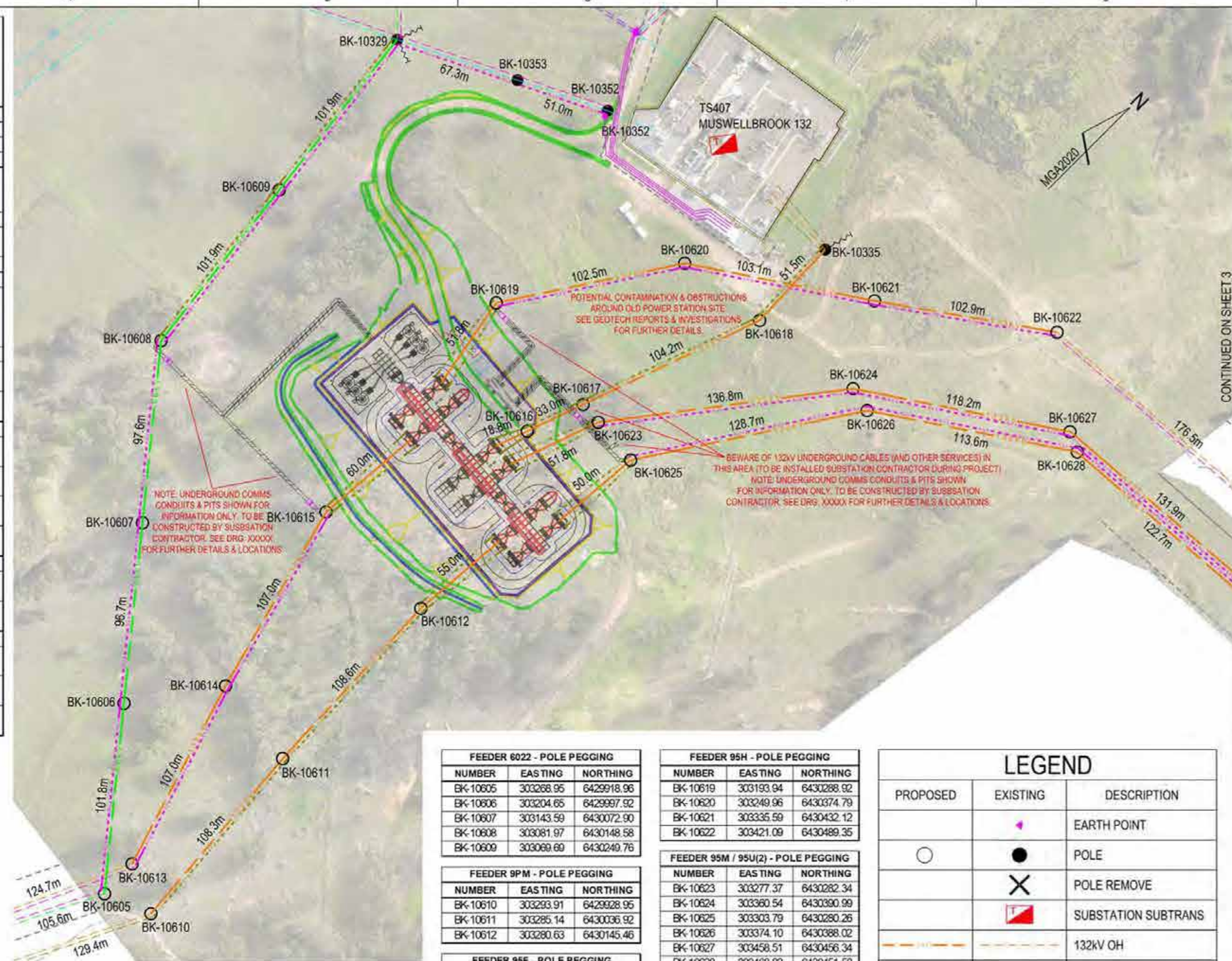


**** CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING ****

70% DESIGN 2/2024

PHASING DIAGRAM	XXXXXX	GENERAL EARTHING DETAILS	236804
G-MS GROUND STAY ARRANGEMENT	507797	MULTI STEEL POLE EARTHING ARRANGEMENT	520210
SPLICE BOX & COIL BRACKET ARRANGEMENT	565743	SINGLE STEEL POLE EARTHING ARRANGEMENT	520209
ADSS SUSPENSION CONSTRUCTION	234569	STEEL POLE MANUFACTURING DETAILS	XXXXXX
ADSS THROUGH TERMINATION CONSTRUCTION	234577	STEEL POLE FOOTING ARRANGEMENT	178123 ARR. 4
ADSS THROUGH TERMINATION CONSTRUCTION w/ SPLICE ENC.	234578	CONSTRUCTION TYPES	269294-99
ADSS THROUGH TERMINATION CONSTRUCTION - CONCRETE	234585	CONDUCTOR STRINGING TABLES	269275

ASSOCIATED DRAWINGS



FEEDER 9022 - POLE PEGGING		
NUMBER	EASTING	NORTHING
BK-10605	303268.95	6429918.96
BK-10606	303204.65	6429997.92
BK-10607	303143.59	6430072.90
BK-10608	303081.97	6430148.58
BK-10609	303069.69	6430249.76

FEEDER 9PM - POLE PEGGING		
NUMBER	EASTING	NORTHING
BK-10610	303293.91	6429928.95
BK-10611	303285.14	6430036.92
BK-10612	303280.63	6430145.46

FEEDER 95F - POLE PEGGING		
NUMBER	EASTING	NORTHING
BK-10613	303268.08	6429940.61
BK-10614	303236.32	6430042.73
BK-10615	303208.65	6430148.12

FEEDER 95F TEMP - POLE PEGGING		
NUMBER	EASTING	NORTHING
BK-10616	303253.91	6430252.27
BK-10617	303264.91	6430283.33
BK-10618	303299.70	6430381.50

FEEDER 95H - POLE PEGGING		
NUMBER	EASTING	NORTHING
BK-10619	303193.94	6430288.92
BK-10620	303249.96	6430374.79
BK-10621	303335.59	6430432.12
BK-10622	303421.09	6430489.35

FEEDER 95M / 95U(2) - POLE PEGGING		
NUMBER	EASTING	NORTHING
BK-10623	303277.37	6430282.34
BK-10624	303380.54	6430390.99
BK-10625	303303.79	6430280.26
BK-10626	303374.10	6430388.02
BK-10627	303458.51	6430456.34
BK-10628	303468.83	6430451.50

ANCHOR LOCATION		
NUMBER	EASTING	NORTHING
BK-10329	303062.18	6430364.37
BK-10329	303069.83	6430346.52
BK-10335	303301.83	6430448.21

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THIS DRAWING IS THE AS BUILT COPY. ALL AMENDMENTS TO THE DESIGN, IF ANY, ARE SHOWN IN RED PEN ON THIS DRAWING.
PRINT NAME: _____ DATE: _____
SIGNED: _____
AS BUILT DRAWINGS APPROVED BY DESIGNER, INCLUDING ANY AMENDMENTS
PRINT NAME: _____ DATE: _____
SIGNED: _____

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		EARTH POINT
		POLE
		POLE REMOVE
		SUBSTATION SUBTRANS
		132kV OH
		66kV OH
		33kV OH
		OPGW OH
		ADSS OH
		OHEW
		AUXILIARY UG
		DUCT
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK



DESIGNED	L.DUNKLEY
DRAWN	P.RIOS
CHECKED	checked by
AUTHORISED	authorised by
DATE	authorised date
SCALE	1:2000
MAP REF.	BK12
LGA	MUSWELLBROOK

**TW.422 SANDY CREEK STSS TO
BS.18045 TRANSGRID MUSWELLBROOK
132kV FEEDERS 95F, 95H, 9PM, 9SM & 95U(2)
HCC REZ
ROUTE PLAN & CONSTRUCTION DETAILS**

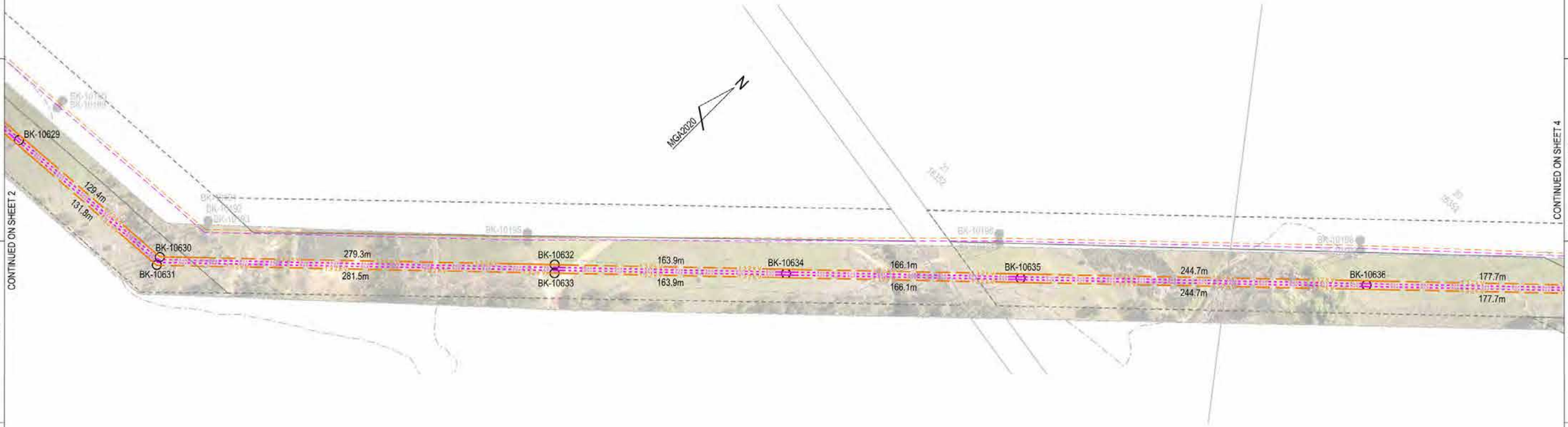
PROJECT No.	NC-01006	SIZE	A2	DRAWING No	269274	SHEETS	2 of 5	AMD	A
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POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE m	STRENGTH kN	TYPE T/C/S	BUTT DIAM mm	E/R/N	DEPTH m	132kV	DISTANCE FROM POLE TOP m	
BK-10629	30.0	80	S	1350	N	4.50	S	0.00	
BK-10630/31	28.0	160	S	1500	N	5.50	T	0.00	MED-HANICAL TERMINATION OF OPGW ONLY. DO NOT CUT.
BK-10632/33	28.0	120	S	1350	N	5.00	T	0.00	TERMINATE OPGW. INSTALL COIL BRACKET & SPLICE BOX AS PER DRG. 565743.
BK-10634	30.0	80	S	1350	N	4.50	S	0.00	
BK-10635	30.0	80	S	1350	N	4.50	S	0.00	
BK-10636	30.0	80	S	1350	N	4.50	S	0.00	

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

FEEDER 95M / 95U(2) - POLE PEGGING		
NUMBER	EASTING	NORTHING
BK-10629	303590.67	6430463.25
BK-10630	303719.56	6430475.54
BK-10631	303722.00	6430470.06
BK-10632	303920.90	6430669.27
BK-10633	303925.06	6430664.94
BK-10634	304041.19	6430780.69
BK-10635	304160.99	6430895.81
BK-10636	304337.43	6431065.37

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		POLE
		POLE REMOVE
		132kV OH
		OPGW OH
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK



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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	PHASING DIAGRAM	XXXXXX
	SPLICE BOX & COIL BRACKET ARRANGEMENT	565743

GENERAL EARTHING DETAILS	236804
MULTI STEEL POLE EARTHING ARRANGEMENT	520210
SINGLE STEEL POLE EARTHING ARRANGEMENT	520209
STEEL POLE MANUFACTURING DETAILS	XXXXXX
STEEL POLE FOOTING ARRANGEMENT	178123 ARR. 4
CONSTRUCTION TYPES	269294-99
CONDUCTOR STRINGING TABLES	269275
ASSOCIATED DRAWINGS	

70% DESIGN

42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

DESIGNED	L.DUNKLEY
DRAWN	P.RIOS
CHECKED	checked by
AUTHORISED	authorised by
DATE	authorised date
SCALE	1:2000
MAP REF.	BK12
LGA	MUSWELLBROOK
PROJECT No.	NC-01006

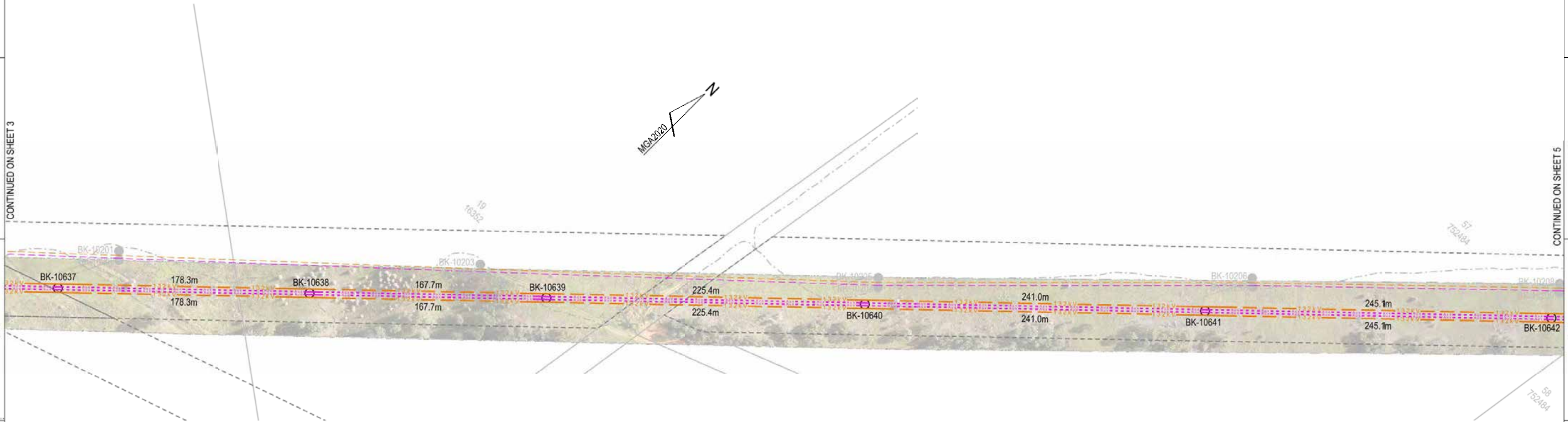
TW.422 SANDY CREEK STSS TO BS.18045 TRANSGRID MUSWELLBROOK 132kV FEEDERS 95F, 95H, 9PM, 9SM & 95U(2) HCC REZ ROUTE PLAN & CONSTRUCTION DETAILS	
SIZE A2	DRAWING No 269274
SHEETS 3 of 5	AMD A

POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE m	STRENGTH kN	TYPE T/C/S	BUTT DIAM mm	E/R/N	DEPTH m	132kV	DISTANCE FROM POLE TOP m	
BK-10637	30.0	80	S	1350	N	4.50	S	0.00	
BK-10638	30.0	80	S	1350	N	4.50	S	0.00	
BK-10639	30.0	80	S	1350	N	4.50	S	0.00	
BK-10640	30.0	80	S	1350	N	4.50	S	0.00	
BK-10641	32.0	80	S	1350	N	4.50	S	0.00	
BK-10642	30.0	80	S	1350	N	4.50	S	0.00	

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

FEEDER 95M / 95U(2) - POLE PEGGING		
BK-10637	304465.53	6431188.46
BK-10638	304594.11	6431312.02
BK-10639	304715.05	6431428.24
BK-10640	304877.60	6431584.44
BK-10641	305051.35	6431751.40
BK-10642	305228.13	6431921.27

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
		POLE
		POLE REMOVE
		132kV OH
		OPGW OH
		GROUND ANCHOR
		EASEMENT
		ACCESS TRACK



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

PHASING DIAGRAM	XXXXXX	GENERAL EARTHING DETAILS	236804
SPLICE BOX & COIL BRACKET ARRANGEMENT	565743	MULTI STEEL POLE EARTHING ARRANGEMENT	520210
		SINGLE STEEL POLE EARTHING ARRANGEMENT	520209
		STEEL POLE MANUFACTURING DETAILS	XXXXXX
		STEEL POLE FOOTING ARRANGEMENT	178123 ARR.4
		CONSTRUCTION TYPES	269294-99
		CONDUCTOR STRINGING TABLES	269275

ASSOCIATED DRAWINGS

Ausgrid
42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

DESIGNED	L.DUNKLEY
DRAWN	P.RIOS
CHECKED	checked_by
AUTHORISED	authorised_by
DATE	authorised_date
SCALE	1:2000
MAP REF.	BK12
LGA	MUSWELLBROOK

TW.422 SANDY CREEK STSS TO
BS.18045 TRANSGRID MUSWELLBROOK
132kV FEEDERS 95F, 95H, 9PM, 9SM & 95U(2)
HCC REZ
ROUTE PLAN & CONSTRUCTION DETAILS

PROJECT No.	NC-01006	SIZE	A2	DRAWING No	269274	SHEETS	4 of 5	AMD	A
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POLE							CONSTRUCTION		REMARKS
NUMBER	SIZE m	STRENGTH kN	TYPE T/C/S	BUTT DIAM mm	E/R/N	DEPTH m	132kV	DISTANCE FROM POLE TOP m	
BJ-80643/44	30.0	120	S	1500	N	5.00			MECHANICAL TERMINATION OF OPGW ONLY. DO NOT CUT.
BJ-80645	30.0	80	S	1350	N	4.50			
BJ-80646	30.0	80	S	1350	N	4.50			
BJ-80647/48	28.0	120	S	1350	N	5.00			TERMINATE OPGW. INSTALL COIL BRACKET & SPLICE BOX AS PER DRG. 565743. BRING THE OPGW ON BJ-80647 ACROSS TO BJ-80648. BOTH OPGWs TO GO FROM BJ-80648 TO BJ-80649 & BJ-80651. ROLL PHASE CONDUCTORS TO XXXXX TO MAINTAIN CORRECT PHASING.
BJ-80053/54/55	24.0	80	C		E				MAINTAIN EXISTING TENSION IN SPAN TOWARDS BJ-80050/51/52. TRANSGRID 330kV CROSSING OVERHEAD SEE DRG. 269276.
BJ-80649/50/51	24.0	80	S	1200	N	4.00			TRANSGRID 330kV CROSSING OVERHEAD SEE DRG. 269276.
BJ-80652/53/54	20.0	80	S	1200	N	4.50			MECHANICAL TERMINATION OF OPGW ONLY. DO NOT CUT. TRANSGRID 330kV CROSSING OVERHEAD SEE DRG. 269276.
BJ-80655/56/57	26.0	80	S	1200	N	4.00			CONSTRUCT NON-TYPICAL THREE POLE TEE-OFF STRUCTURE PHASES CROSSING OVER EACH OTHER AT DIFFERENT HEIGHTS POLE WITH THE HIGHEST ATTACHMENT TO BE ON THE EASTERN SIDE MAINTAIN EXISTING TENSION IN SPAN TOWARDS BJ-80042/43. TERMINATE OPGW. INSTALL COIL BRACKET & SPLICE BOX AS PER DRG. 565743.
BJ-80658/59/60	18.5	80	S	1050	N	4.00			MAINTAIN EXISTING TENSION IN SPAN TOWARDS BJ-80037/38.

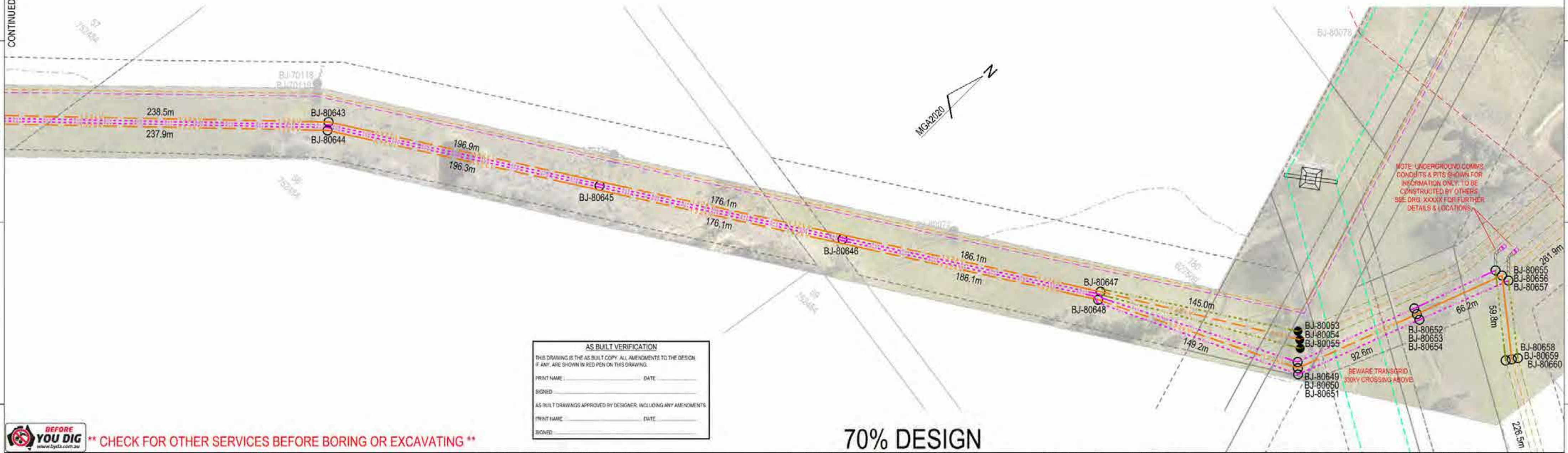
DEFINITIONS
E - EXISTING POLE C - CONCRETE POLE
R - REPLACEMENT POLE T - TIMBER POLE
N - NEW POLE S - STEEL POLE

FEEDER 95M / 95U(2) - POLE PEGGING		
NUMBER	EASTING	NORTHING
BJ-80643	305398.03	6432088.68
BJ-80644	305401.74	6432083.97
BJ-80645	305565.50	6432192.23
BJ-80646	305713.89	6432287.12
BJ-80647	305869.35	6432390.10
BJ-80648	305872.24	6432384.83
BJ-80649	306003.05	6432453.36
BJ-80650	306006.28	6432450.37
BJ-80651	306009.50	6432447.37
BJ-80652	306034.68	6432538.57
BJ-80653	306038.80	6432537.02
BJ-80654	306042.92	6432535.48
BJ-80655	306056.25	6432598.30
BJ-80656	306062.06	6432599.00
BJ-80657	306067.87	6432599.70

FEEDER 95U(3) - POLE PEGGING		
NUMBER	EASTING	NORTHING
BJ-80658	306106.45	6432558.25
BJ-80659	306108.91	6432561.90
BJ-80660	306111.37	6432565.55

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
○	●	POLE
	✕	POLE REMOVE
---	---	132kV OH
---	---	11kV OH
---	---	OPGW OH
---	---	OHEW
	■	GROUND ANCHOR
---	---	EASEMENT
---	---	ACCESS TRACK
---	---	TRANSGRID 330kV OH
	□	TOWER
///		DUCT

CONTINUED ON SHEET 4



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

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS

PHASING DIAGRAM	XXXXXX	GENERAL EARTHING DETAILS	236804
SPLICE BOX & COIL BRACKET ARRANGEMENT	565743	MULTI STEEL POLE EARTHING ARRANGEMENT	520210
TRANSGRID UNDER-CROSSING APPROVAL	269276	SINGLE STEEL POLE EARTHING ARRANGEMENT	520209
		STEEL POLE MANUFACTURING DETAILS	XXXXXX
		STEEL POLE FOOTING ARRANGEMENT	178123 ARR. 4
		CONSTRUCTION TYPES	269294-99
		CONDUCTOR STRINGING TABLES	269275
ASSOCIATED DRAWINGS			

70% DESIGN

Ausgrid

42 HONEYSUCKLE DRIVE
NEWCASTLE WEST NSW 2300

DESIGNED	L.DUNKLEY
DRAWN	P.RIOS
CHECKED	checked by
AUTHORISED	authorised by
DATE	authorised date
SCALE	1:2000
MAP REF.	BK12
LGA	MUSWELLBROOK
PROJECT No.	NC-01006

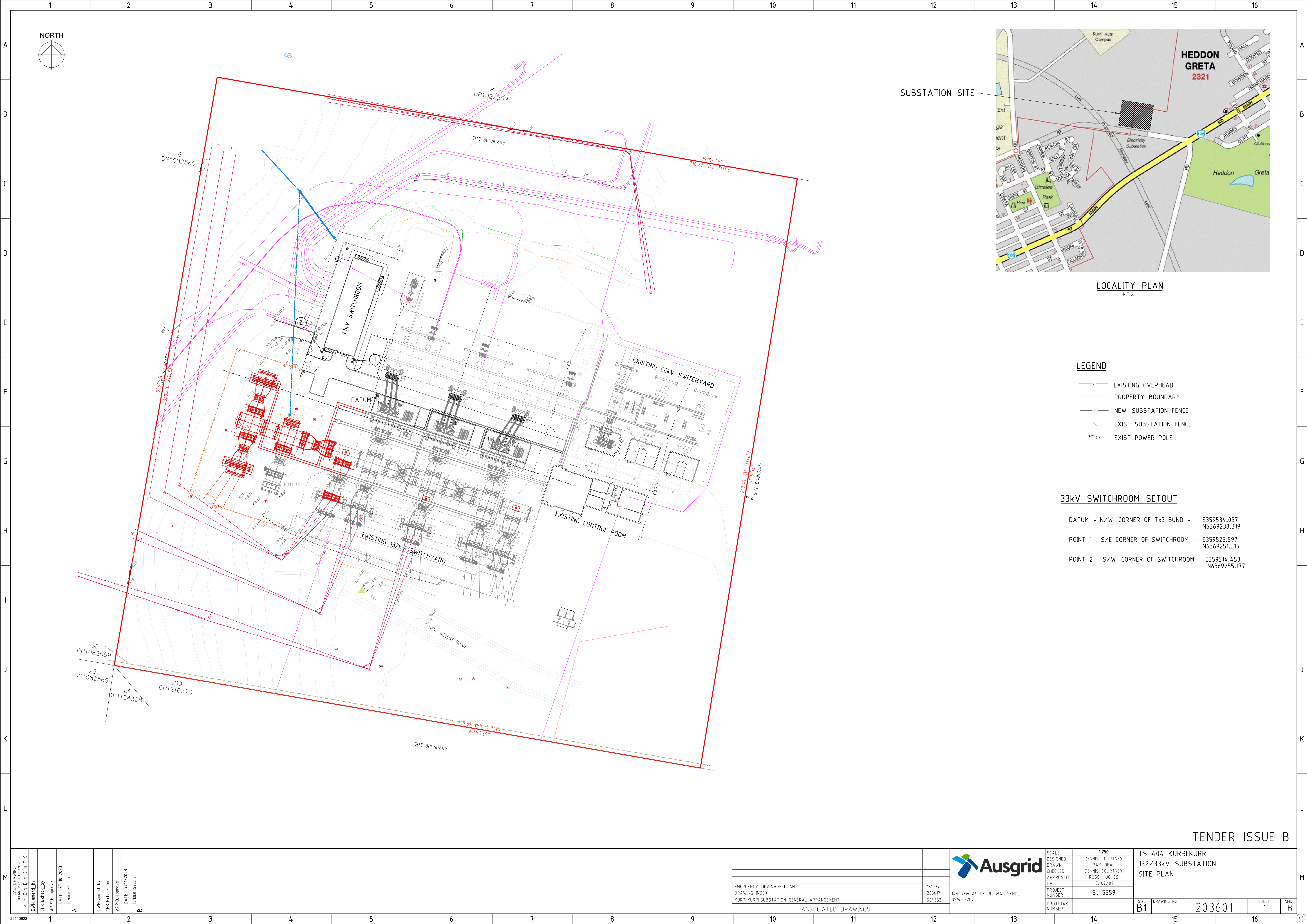
TW.422 SANDY CREEK STSS TO BS.18045 TRANSGRID MUSWELLBROOK 132kV FEEDERS 95F, 95H, 9PM, 9SM & 95U(2) HCC REZ ROUTE PLAN & CONSTRUCTION DETAILS		SIZE A2	DRAWING No 269274	SHEETS 5 of 5	AMD A
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H	CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS						AECOM CONSULTANT AECOM Australia Pty Ltd A.B.N 20 093 846 925 www.aecom.com			Ausgrid 570 George Street SYDNEY NSW 2000	SCALE	1:2000	TW00420 ANTIENE STSS 132kV SWITCHING STATION SITE LAYOUT				H
				DESIGNED	B.FINCHAM												
				DRAWN	A.GIBSON												
				CHECKED													
				APPROVED													
				DATE	11.04.2025												
				TRIM REF	-												
		ASSOCIATED DRAWINGS			ISSUED FOR DRAFT	PROJECT NUMBER		-			SHEET 01	AMD	SIZE A1				
		1	2	3	4	5		6	7		8	9	10	11	12	©	



H	CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS												H												
						AECOM CONSULTANT AECOM Australia Pty Ltd A.B.N 20 093 846 925 www.aecom.com					Ausgrid 570 George Street SYDNEY NSW 2000 ISSUED FOR DRAFT			SCALE	1:2000	TW00422 SANDY CREEK STSS 132kV SWITCHING STATION SITE LAYOUT									
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	DRAWN	A.GIBSON																							
	CHECKED																								
	APPROVED																								
	DATE	11.04.2025																							
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	PROJECT NUMBER	-			SHEET 01		AMD	SIZE A1																	
	ASSOCIATED DRAWINGS																								
1		2		3		4		5		6		7		8		9		10		11		12			
©																									



LOCALITY PLAN
N.T.S.

LEGEND

- E— EXISTING OVERHEAD
 — PROPERTY BOUNDARY
 —X— NEW SUBSTATION FENCE
 —\— EXIST SUBSTATION FENCE
 PP O EXIST POWER POLE

33kV SWITCHROOM SETOUT

DATUM - N/W CORNER OF T33 BUND - E359534.037
N6369238.319

POINT 1 - S/E CORNER OF SWITCHROOM - E359525.597
N6369251.515

POINT 2 - S/W CORNER OF SWITCHROOM - E359514.453
N6369255.177

TENDER ISSUE B

[illegible]

