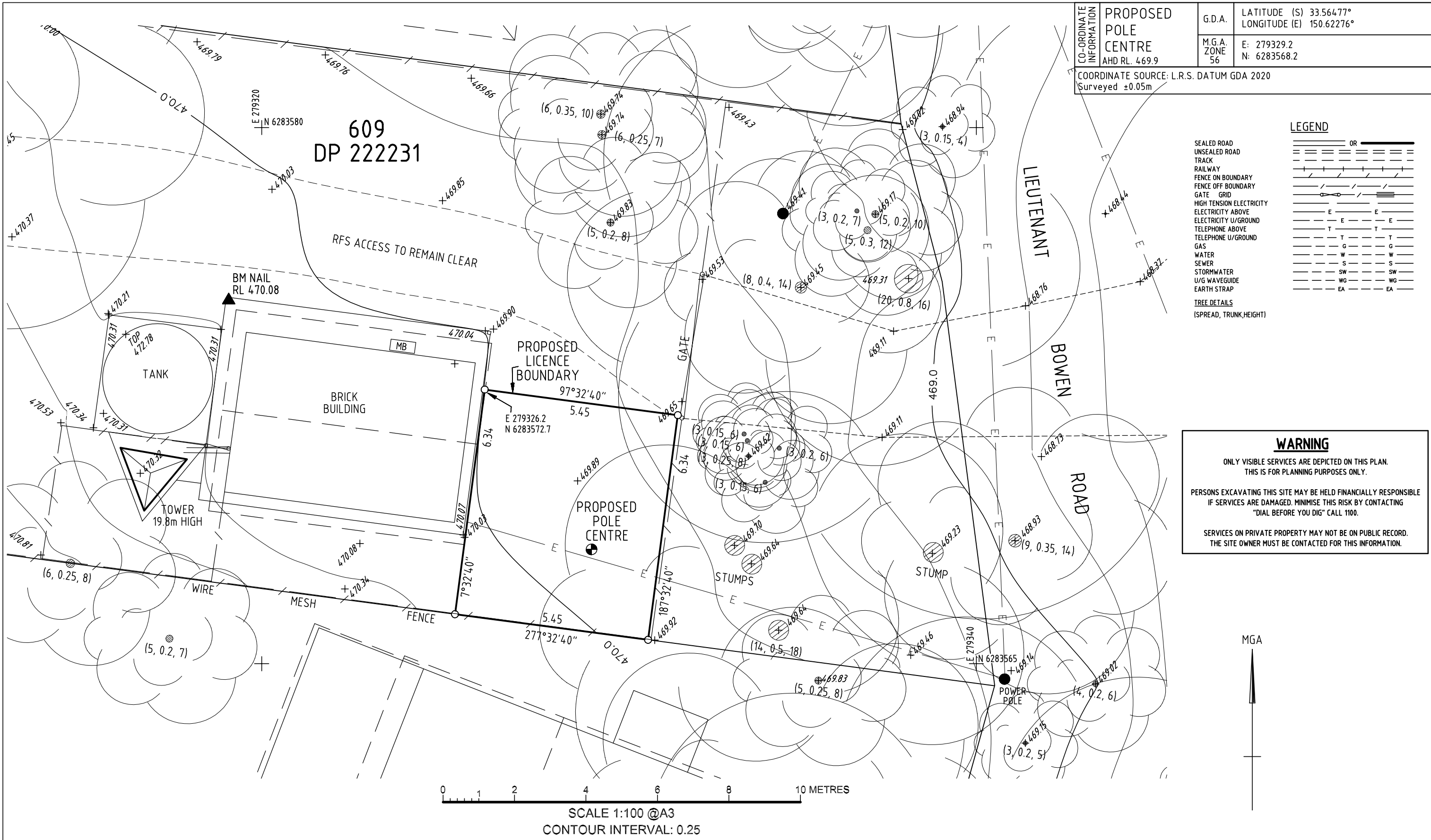




Attachment 1 to Item 12

Proposed Plans

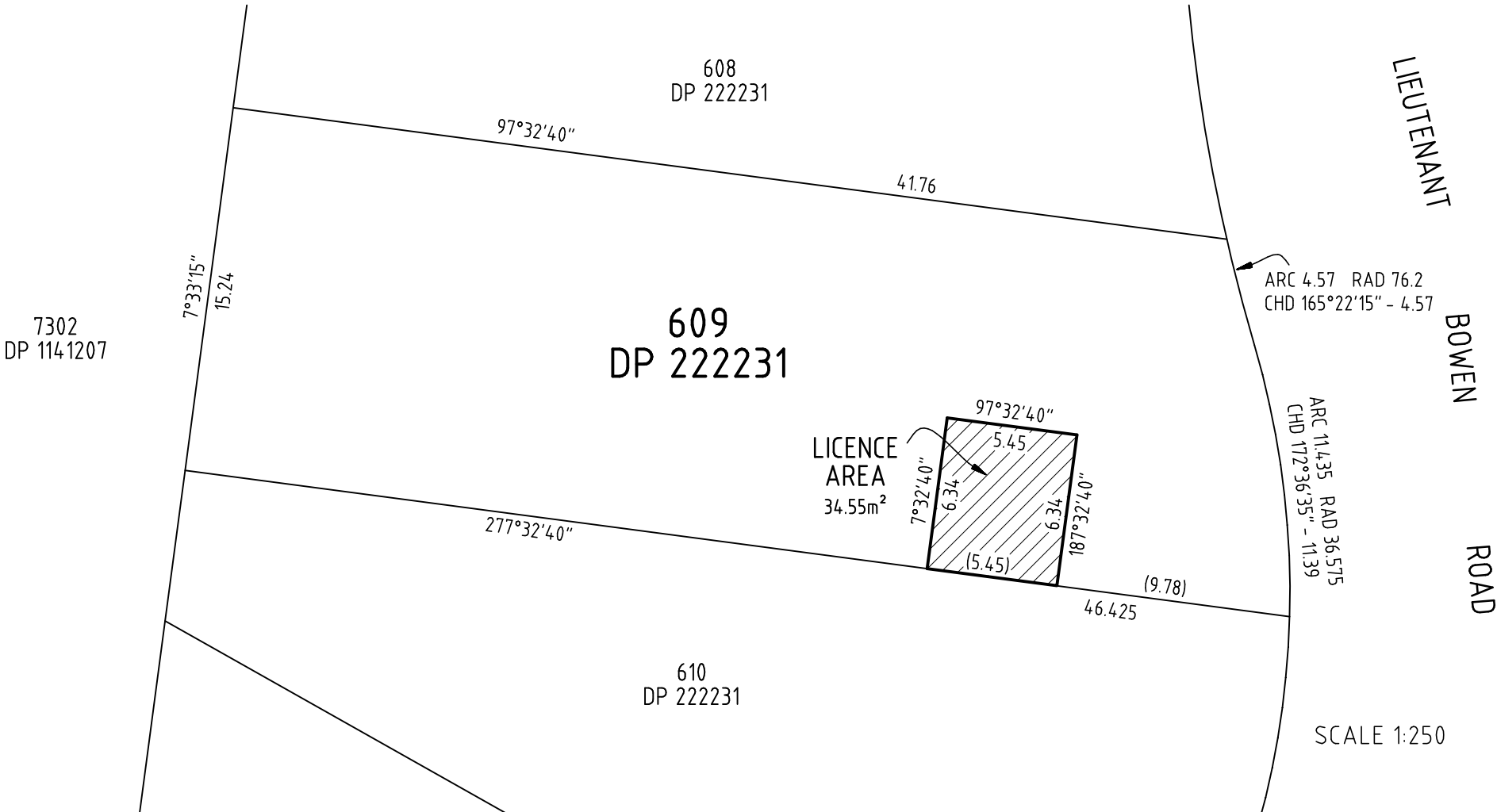
Date of meeting: 20 October 2022
Location: By audio-visual link
Time: 10:00 a.m.




<div><div>Sureline</div><div>Geomatics</div><div>TEL. (02) 9896 8025</div><div>info@suregeo.com.au</div></div>				<div><div>kordia</div><div>people & technology as one</div></div>				<div><div>OPTUS</div></div>				ORDER	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS	MOBILE NETWORK AUSTRALIA			
												NA	KM	CW	Original	SEJ	JM	30/8/21	1				
												BOWEN MOUNTAIN											
												18 LIEUTENANT BOWEN ROAD											
												DETAIL PLAN											
												DWG NO.				SG21401				SHT NO.		2 INDEX	

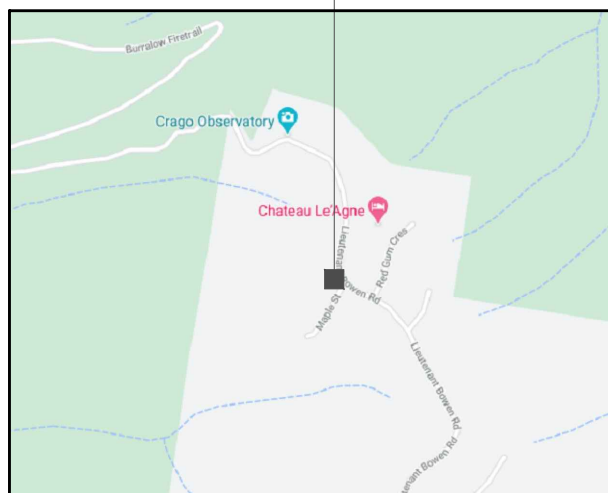
Plan forming Annexure " " to Licence
of LAND at BOWEN MOUNTAIN
by
to
dated the Day of

L.G.A.: HAWKESBURY
Locality: BOWEN MOUNTAIN
Parish: KURRAJONG
County: COOK



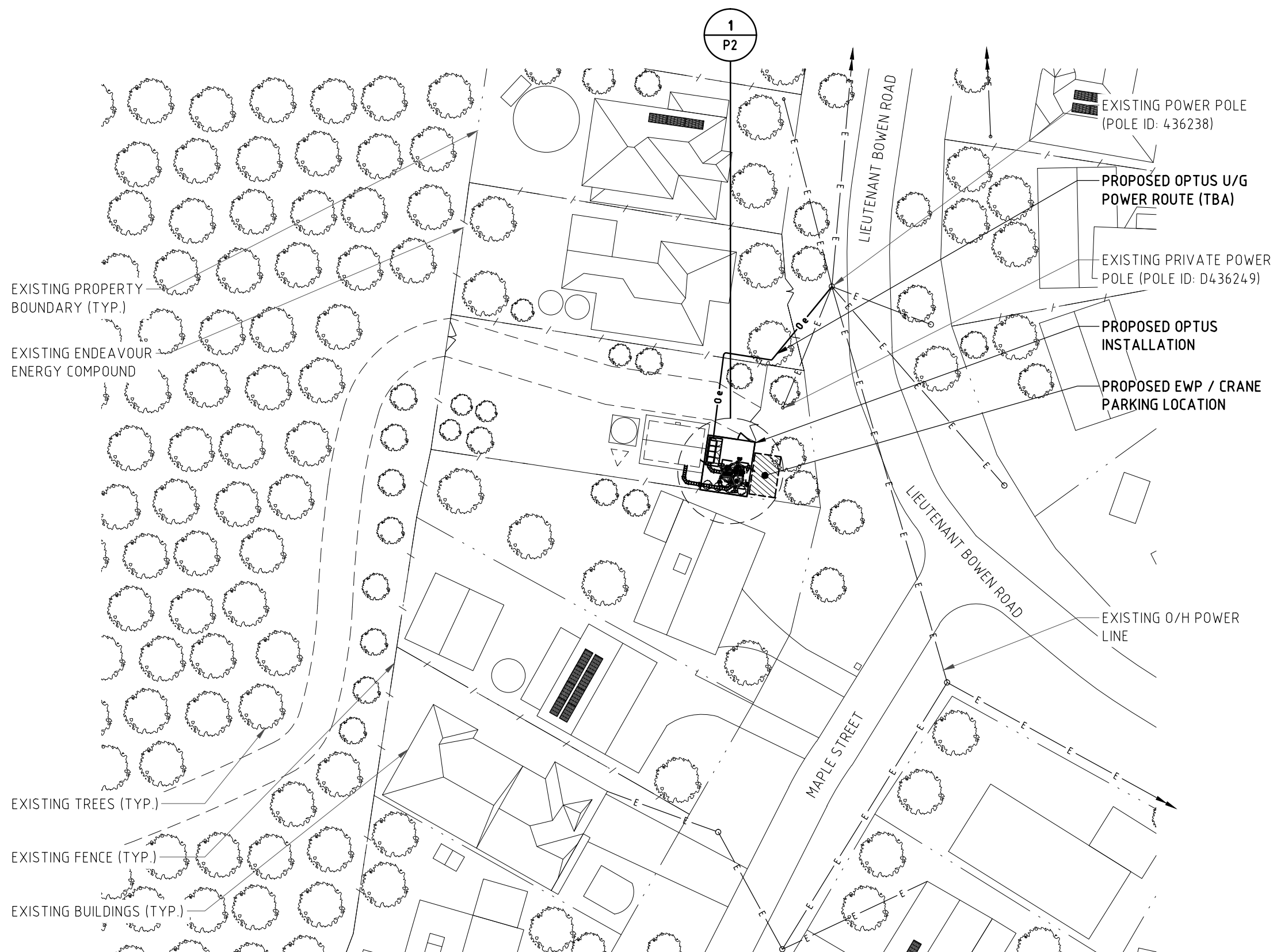
ALL DIMENSIONS IN METRES

<div><div>TEL. (02) 9896 8025 info@suregeo.com.au</div></div>				CT: 609/222231		ORDER	DRAWN	CHKD	AMENDMENT		EXAM	APPD	DATE	ISS	BOWEN MOUNTAIN 18 LIEUTENANT BOWEN ROAD LICENCE PLAN		
				Owner: EPSILON DISTRIBUTION MINISTERIAL HOLDING CORPORATION		NA	KM	CW	Original		SEJ	JM	30/8/21	1			
				Address: 18 LIEUTENANT BOWEN ROAD BOWEN MOUNTAIN, NSW 2753		NOTE: Covenants or Restriction to user have not been investigated for the purpose of this plan											DWG NO.
SVY	SEJ	REF	21401														



LOCALITY MAP

COPYRIGHT © - GOOGLE MAPS



OVERALL SITE PLAN

SCALE 1:500

DRAFT

02	07.04.21	ISSUED FOR APPROVAL	KORDIA	SM	FA		FA			JB	
01	14.09.20	ISSUED FOR APPROVAL	KORDIA	TN	XX		XX			XX	
Rev.	Date	Revision Details	Consultant	CAD	Designer		Verifier			Approver	



Client:

Project:

MOBILE NETWORK
AUSTRALIA
SITE No:- S2648A
BOWEN MOUNTAIN
18 LIEUTENANT BOWEN ROAD

Drawing Title:

DRAFT SITE LAYOUT-
SHEET 1 OF 2

Drawing Status:

FOR APPROVAL

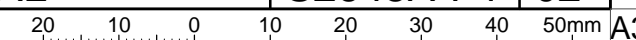
Drawing No.

S2648A-P1

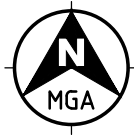
Revision

02

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AutoCAD File: D:\PLOT\S2648A_BOWEN MOUNTAIN_DSL_VER 02_20210407.dwg
 Plot By: Swagatika Paniqrahi Date: 08.04.21 8:39 PM



EXISTING ENDEAVOUR
ENERGY COMPOUND

EXISTING RIGHT OF WAY FOR NSWRFs
& COUNCIL VEHICLES ACCESS

MGA ZONE 56
E 279 328
N 6 283 571
AT € MONOPOLE

DRAFT

NOTES:

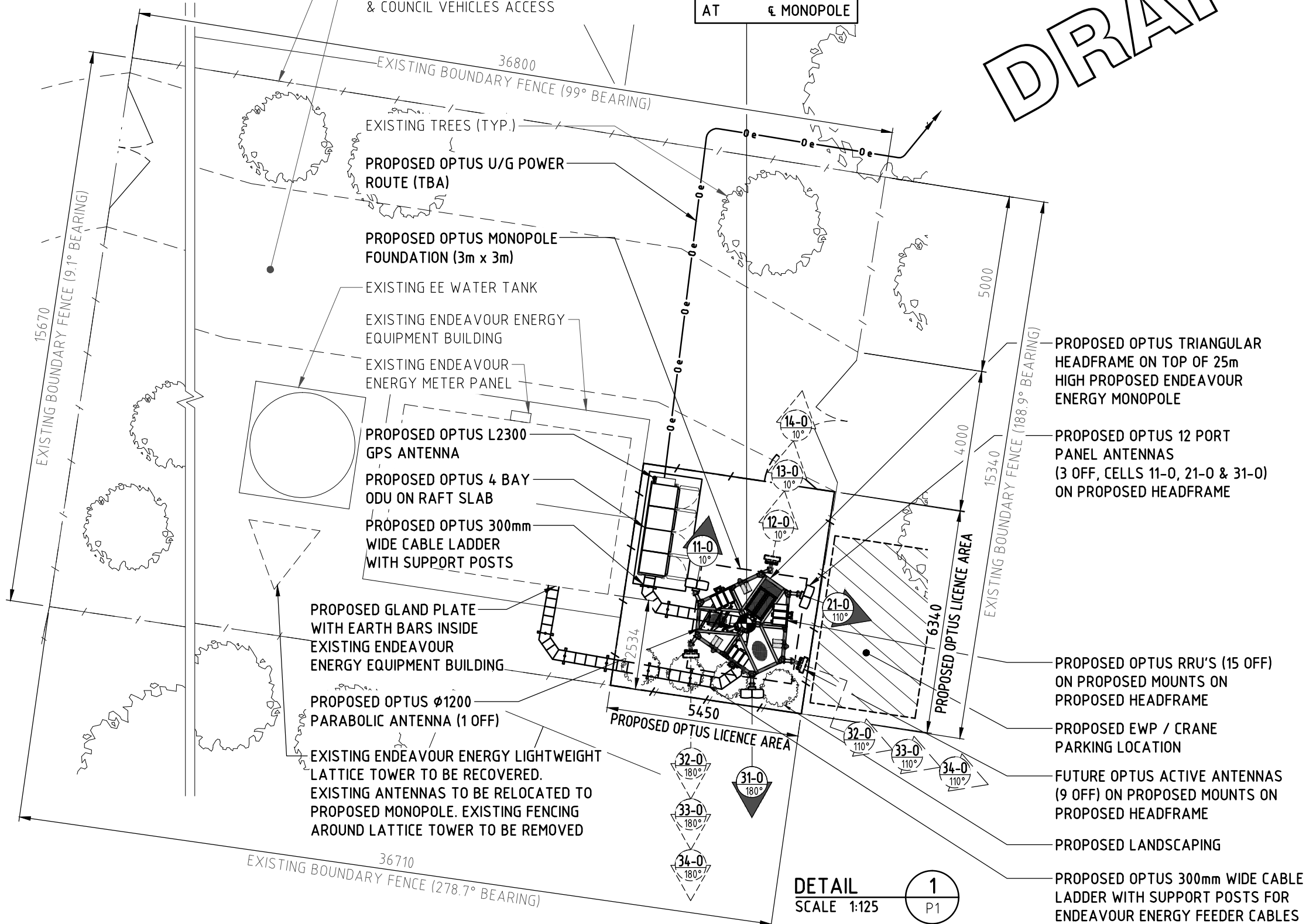
1. THIS DRAWING IS DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED.
2. DIMENSIONS, COORDINATES AND LEVELS SHOWN ARE NOMINAL AND SUBJECT TO CONFIRMATION BY SURVEYOR.

SITE ADDRESS:

18 LIEUTENANT BOWEN ROAD
BOWEN MOUNTAIN
NSW 2753

NOTES:

1. **BASIS OF DESIGN**
 - > SITE INSPECTION 23/04/2020
2. **PANEL ANTENNAS**
 - > 1 OFF PER SECTOR (EACH MAX. 2.69m LONG) AT EL 26.00m
 - > SECTOR 1 - 10°, SECTOR 2 - 110°, SECTOR 3 - 180°
 - > MOUNTED ON PROPOSED OPTUS TRIANGULAR HEADFRAME
3. **TRANSMISSION**
 - > PROPOSED OPTUS Ø1200 PARABOLIC ANTENNA AT 22m
 - > AZIMUTH : TBA
4. **OPTUS SHELTER**
 - > PROPOSED OPTUS ICS 4 BAY THERMO CAB ODU, COLOURED "PALE EUCALYPT"
 - > SUPPORTED ON RAFT SLAB
5. **ENDEAVOUR ENERGY TOWER**
 - > PROPOSED ENDEAVOUR ENERGY 25m HIGH MONOPOLE WITH PROPOSED OPTUS TRIANGULAR HEADFRAME ON TOP OF MONOPOLE
6. **FEEDER CABLES**
 - > SIZE: HYBRID TRUNK CABLES (MLEH 9/18")
 - > (1 OFF PER SECTOR)
 - > LENGTH: 30m ALL SECTORS
7. **SITE ACCESS**
 - > VIA BY LIEUTENANT BOWEN ROAD
8. **ANTENNA ACCESS**
 - > ANTENNA MAINTENANCE ACCESS ARRANGEMENTS VIA "CHERRY-PICKER" ONLY
9. **POWER SUPPLY**
 - > PROPOSED SEPARATE 3 PHASE 63A SUPPLY TO BE ACHIEVED FROM THE EXISTING POWER POLE FOR OPTUS
10. **OTHER (PAINTING, LANDSCAPING, SCREENING)**
 - > TBA



kordia

Level 9, 5 Rider Boulevard, Rhodes, NSW 2138
T +61 2 9856 2600 | www.kordia.com.au

OPTUS

Client:
Project: **MOBILE NETWORK AUSTRALIA**
SITE No:- S2648A
BOWEN MOUNTAIN
18 LIEUTENANT BOWEN ROAD

Drawing Title:
DRAFT SITE LAYOUT - SHEET 2 OF 2

Drawing Status:
FOR APPROVAL

Drawing No.
S2648A-P2


Revision
02

Rev	Date	Revision Details	Consultant	CAD Designer	Verifier	Approver
02	07/04/21	ISSUED FOR APPROVAL	KORDIA	SM	FA	JB
01	14/09/20	ISSUED FOR APPROVAL	KORDIA	TN	XX	XX



Level 9, 5 Rider Boulevard, Rhodes, NSW 2138
T +61 2 9856 2600 | www.kordia.com.au

Client:



Project:

MOBILE NETWORK AUSTRALIA
SITE No:- S2648A
BOWEN MOUNTAIN
18 LIEUTENANT BOWEN ROAD

Drawing Title:
DRAFT SITE ELEVATION

Drawing Status:
FOR APPROVAL

Drawing No.
S2648A-P3

Revision
02

NOTES:

- EXISTING ENDEAVOUR ENERGY EQUIPMENT BUILDING NOT SHOWN FOR CLARITY.
- THIS DRAWING IS DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED.

NOTE ON MOUNTS:

ALL MOUNTING STEELWORK FOR ENDEAVOUR ENERGY ANTENNAS TO BE SUPPLIED BY OPTUS

PROPOSED ENDEAVOUR ENERGY BA8080-67 DIPOLE (BY OTHERS) REFER TO NOTE ON MOUNTS

PROPOSED OPTUS TRIANGULAR HEADFRAME ON TOP OF 25m HIGH PROPOSED ENDEAVOUR ENERGY MONOPOLE

PROPOSED 25m HIGH ENDEAVOUR ENERGY MONOPOLE WITH CLIMBING PEGS & LAD-SAF

PROPOSED OPTUS HYBRID TRUNK CABLES TO RUN INTERNALLY TO MONOPOLE

PROPOSED ANTI-CLIMBING DEVICE AND LADDER BRACKET AT 3.0m AGL

EXISTING ENDEAVOUR ENERGY LIGHTWEIGHT LATTICE TOWER TO BE RECOVERED. EXISTING ANTENNAS TO BE RELOCATED TO PROPOSED LATTICE TOWER

EXISTING TREES (TYP.) (20m HIGH APPROX.)

PROPOSED OPTUS 300mm WIDE CABLE LADDER WITH SUPPORT POSTS FOR ENDEAVOUR ENERGY FEEDER CABLES

PROPOSED OPTUS 300mm WIDE CABLE LADDER WITH SUPPORT POSTS

PROPOSED OPTUS 4 BAY ODU ON RAFT SLAB

PROPOSED OPTUS L2300 GPS ANTENNA

EXISTING EE WATER TANK

EXISTING ENDEAVOUR ENERGY EQUIPMENT BUILDING

EXISTING ENDEAVOUR ENERGY METER PANEL

PROPOSED OPTUS U/G POWER ROUTE (TBA)

PROPOSED OPTUS MONOPOLE FOUNDATION (3m x 3m)

EL. 0.00m
GROUND LEVEL

EL. 33.50m
OVERALL HEIGHT

EL. 28.50m
BASE OF PROPOSED ENDEAVOUR ENERGY DIPOLE ANTENNA (1 OFF)
REFER TO NOTE ON MOUNTS

EL. 27.00m
€ FUTURE OPTUS ACTIVE ANTENNAS (3 OFF) ON PROPOSED MOUNTS ON PROPOSED HEADFRAME
€ PROPOSED OPTUS RRU'S (9 OFF) ON PROPOSED MOUNTS ON PROPOSED HEADFRAME

EL. 26.00m
€ PROPOSED OPTUS 12 PORT PANEL ANTENNAS (3 OFF) ON PROPOSED MOUNTS ON PROPOSED HEADFRAME
€ FUTURE OPTUS ACTIVE ANTENNAS (3 OFF) ON PROPOSED MOUNTS ON PROPOSED HEADFRAME
€ PROPOSED OPTUS RRU'S (6 OFF) ON PROPOSED MOUNTS ON PROPOSED HEADFRAME

EL. 25.00m
TOP OF PROPOSED ENDEAVOUR ENERGY MONOPOLE
€ FUTURE OPTUS ACTIVE ANTENNAS (3 OFF) ON PROPOSED MOUNTS ON PROPOSED HEADFRAME

EL. 22.00m
€ PROPOSED OPTUS Ø1200 PARABOLIC ANTENNA (1 OFF) ON PROPOSED MOUNT

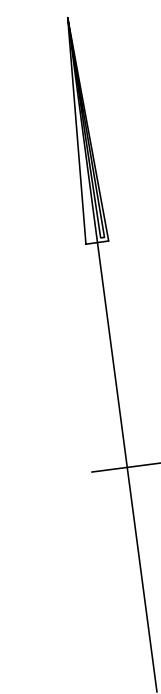
EL. 21.00m
€ PROPOSED ENDEAVOUR ENERGY RFI YB16 YAGI TO HORSLEY PARK (1 OFF)
REFER TO NOTE ON MOUNTS

EL. 20.00m
€ PROPOSED ENDEAVOUR ENERGY Ø900 PARABOLIC ANTENNA (1 OFF) TO KURRA JONG HEIGHTS
€ FUTURE ENDEAVOUR ENERGY Ø1200 PARABOLIC ANTENNA (1 OFF)
REFER TO NOTE ON MOUNTS

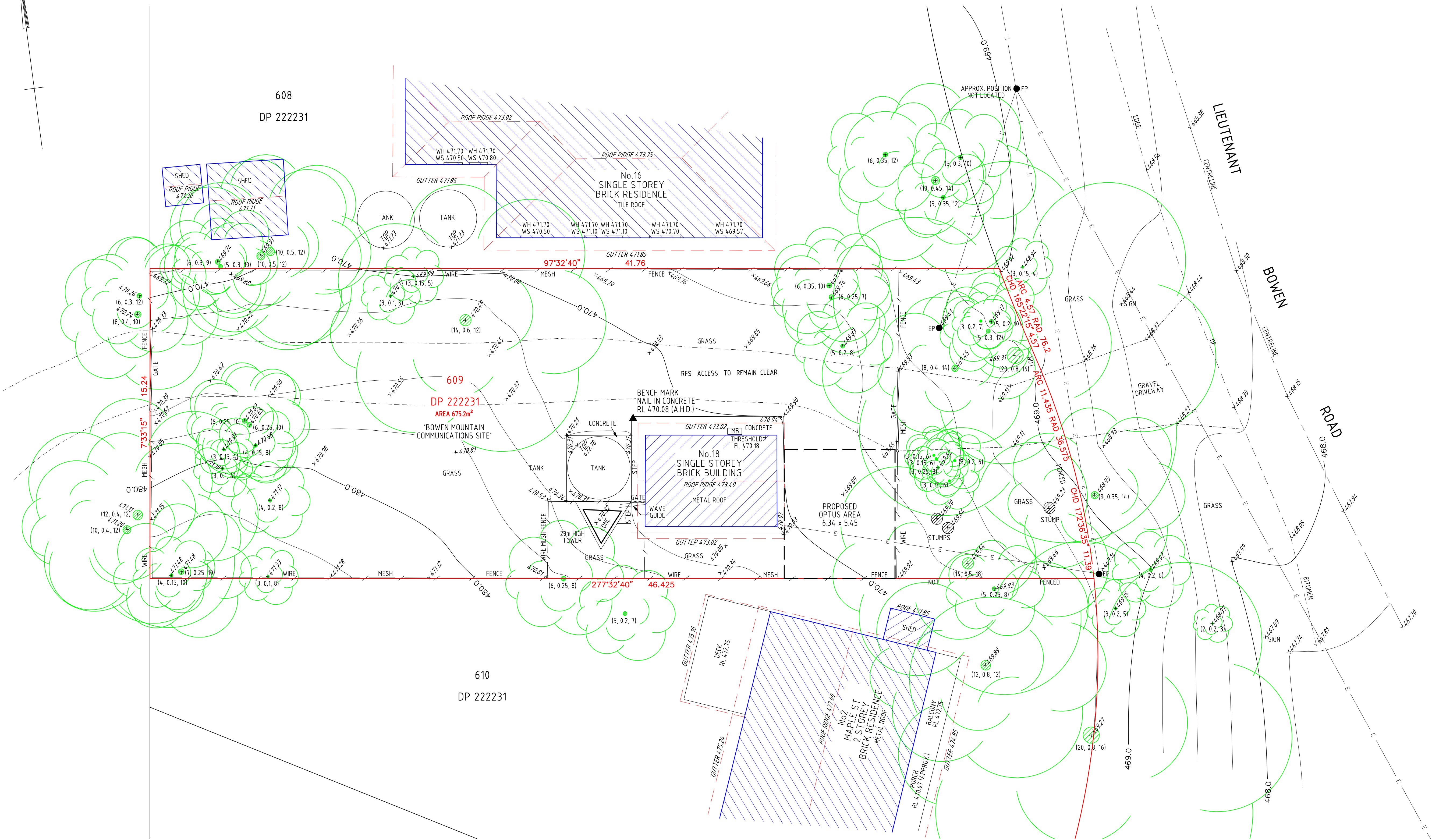
NORTH ELEVATION

SCALE 1:100

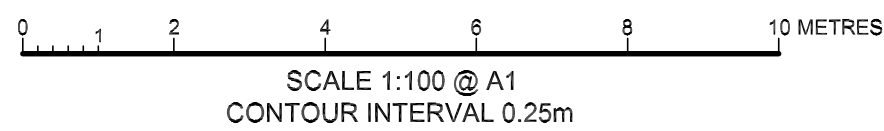
MGA



608
DP 222231



610
DP 222231



DATUM: AHD ORIGIN: CORS RL: N/A

LOCALITY: BOWEN MOUNTAIN LGA: HAWKESBURY

NOTES: 1. RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY.

2. BEARINGS AND DISTANCES OF BOUNDARIES ARE BY TITLE AND/OR DEED ONLY.

3. CONSTRUCTION WORKS MUST BE RELATED TO THE SITE BENCH MARK AND NOT LEVELS OF STRUCTURES SHOWN ON THE PLAN.

4. LIMITED BOUNDARY SURVEY MADE: IF CONSTRUCTION OR DESIGN OF ANY NEW STRUCTURE IS INTENDED WITHIN PROXIMITY OF THE BOUNDARIES OR LOCAL GOVERNMENT REQUIREMENTS, A FURTHER SURVEY SHOULD BE REQUESTED TO MARK BOUNDARIES AND/OR DIMENSION WALL TO BOUNDARY DISTANCES.

5. THE TREE TRUNKS SHOWN ARE DIAGRAMMATIC ONLY. THE TRUE TRUNK RADII ARE STATED IN THE PLAN. TREE SPREADS & TRUNK RADII SHOWN ARE DIAGRAMMATIC ONLY AND TREE HEIGHTS ARE ESTIMATED. IF ANY OF THESE ELEMENTS ARE CRITICAL TO DESIGN (IN PARTICULAR DRIP LINES) MORE SPECIFIC DETAILS SHOULD BE REQUESTED FOR ACCURATE LOCATION.

6. BEARINGS SHOWN RELATE TO MGA NORTH.

7. CONTOURS ARE AT 0.25m INTERVALS AND ARE APPROXIMATE ONLY. SPOT LEVELS SHOULD BE USED IN REFERENCE TO CONTOUR LEVELS. FEATURES AND LEVELS CRITICAL TO DESIGN SHOULD BE LOCATED BY A MORE ACCURATE SURVEY. ALL SET OUT WITH REGARD TO LEVELS SHOULD REFER TO THE BENCHMARK.

8. NO SERVICES SEARCH HAS BEEN CARRIED OUT FOR THIS SURVEY. SERVICES SHOWN ARE INDICATIVE ONLY. VISIBLE SURFACE PITS ONLY SHOWN. THE EXISTENCE AND POSITION OF UNDERGROUND SERVICES HAS NOT BEEN INVESTIGATED.

9. BEFORE STARTING ANY DEMOLITION, EXCAVATION OR CONSTRUCTION EACH CONTRACTOR AND/OR CONSULTANT SHOULD CONTACT THE RELEVANT AUTHORITY AND/OR 'Dig Before You Dig' BEFORE COMMENCING ANY EXCAVATION TO LOCATE THE PRECISE POSITION OF SERVICES.

10. THIS SURVEY IS FOR CONTOUR AND DETAIL PURPOSES ONLY AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE.

LEGEND

(5, 0.3, 10) - TREE (SPREAD, TRUNK, HEIGHT)

WH/WS - WINDOW HEAD/SILL

EP - ELECTRICITY POLE

TW - TOP OF WALL

MB - METER BOX

FL - FLOOR LEVEL

R.L. - REDUCED LEVEL

— E — OVERHEAD POWER LINES

ORDER	SY	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS
21401	SEJ	SEJ	CW	Original	SEJ	JM	30.08.21	1

Sureline Geomatics
Phone: 02 9896 8025
info@surelinegeo.com.au
www.surelinegeo.com.au

EPSILON DISTRIBUTION MINISTERIAL HOLDING CORPORATION
No.18 LIEUTENANT BOWEN ROAD
BOWEN MOUNTAIN NSW 2753
DETAIL PLAN SITE S2648
DWG NO. SG 21401 SHT 3 OF INDEX