

8.1	AMPLITEL PTY LTD - MATERIAL CHANGE OF USE - TELECOMMUNICATIONS FACILITY - LOT 22 ON SP323208 - 114 MINES ROAD, MAREEBA - MCU/22/0007
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Date Prepared: 28 June 2022

Author: Senior Planner

Attachments:

1. Proposal Plans
2. Submissions
3. Chief Medical Officer Statement - Safety of 5G Technology

APPLICATION DETAILS

APPLICATION		PREMISES	
APPLICANT	Amplitel Pty Ltd	ADDRESS	114 Mines Road, Mareeba
DATE LODGED	20 April 2022	RPD	Lot 22 on SP323208
TYPE OF APPROVAL	Development Permit		
PROPOSED DEVELOPMENT	Material Change of Use - Telecommunications Facility		
FILE NO	MCU/22/0007	AREA	20.17 hectares
LODGED BY	Ventia Pty Ltd	OWNER	D & M Gostelow
PLANNING SCHEME	Mareeba Shire Council Planning Scheme 2016		
ZONE	Rural Residential zone		
LEVEL OF ASSESSMENT	Impact Assessment		
SUBMISSIONS	Two (2), including 1 co-signed by 15 persons		

EXECUTIVE SUMMARY

Council is in receipt of a development application described in the above application details.

The application is impact assessable and two (2) properly made submissions were received in response to public notification of the application.

The application and supporting material have been assessed against the Mareeba Shire Council Planning Scheme 2016 and does not conflict with any relevant planning instrument.

The key planning issues associated with the proposed development are visual amenity impact due to the height of the tower, as well as perceived health issues relating to electromagnetic emissions on nearby sensitive land uses.

Despite the monopole tower having a slimline design, given the height of the tower, some visual impact to the surrounding locality is unavoidable. However, telecommunications facilities are a common and accepted form of development, and any visual impact will be offset by the wider community benefit provided by the proposed facility (mobile phone reception). Furthermore, the developer will be required to paint the monopole tower a "pale eucalypt" colour to help the development blend in with the natural environment.

Using methodology developed by the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) the applicants prepared and submitted a report on the expected levels of

electromagnetic energy (EME) that will be produced by the facility. The highest level produced is within 50 - 100 metres of the facility and is well below the public exposure limit at 1.75% of the limit.

The proposed facility, like many other telecommunication facilities which are already constructed in much more densely populated areas, is not likely to impact on the health and wellbeing of surrounding residents.

It is recommended that the application be approved in full with conditions.

OFFICER’S RECOMMENDATION

1. That in relation to the following development application:

APPLICATION		PREMISES	
APPLICANT	Amplitel Pty Ltd	ADDRESS	114 Mines Road, Mareeba
DATE LODGED	20 April 2022	RPD	Lot 22 on SP323208
TYPE OF APPROVAL	Development Permit		
PROPOSED DEVELOPMENT	Material Change of Use - Telecommunications Facility		

and in accordance with the Planning Act 2016, the applicant be notified that the application for a development permit for the development specified in (A) is:

Approved by Council in accordance with the approved plans/documents listed in (B), subject to assessment manager conditions in (C), assessment manager’s advice in (D), relevant period in (E), further permits in (F), and further approvals from Council listed in (G);

And

The assessment manager does not consider that the assessment manager’s decision conflicts with a relevant instrument.

(A) APPROVED DEVELOPMENT: Development Permit for Material Change of Use - Telecommunications Facility

(B) APPROVED PLANS:

Plan/Document Number	Plan/Document Title	Prepared by	Dated
Q116998 S1	Site Access and Locality Plan	Amplitel	27.02.22
Q116998 S1-1	Site Layout	Amplitel	27.02.22
Q116998 S1-2	Antenna Layout	Telstra	27.02.22
Q116998 S3	North Elevation	Amplitel	27.02.22
Q116998 S3-1	Antenna Configuration Table	Telstra	27.02.22

(C) ASSESSMENT MANAGER’S CONDITIONS (COUNCIL)

(a) Development assessable against the Planning Scheme

1. Development must be carried out generally in accordance with the approved plans and the facts and circumstances of the use as submitted with the application, subject to any alterations:
 - found necessary by the Council's delegated officer at the time of examination of the engineering plans or during construction of the development because of particular engineering requirements; and
 - to ensure compliance with the following conditions of approval.
2. Timing of Effect
 - 2.1 The conditions of the development permit must be complied with to the satisfaction of Council's delegated officer prior to the commencement of the use except where specified otherwise in these conditions of approval.
 - 2.2 Prior to the commencement of use, the applicant must notify Council that all the conditions of the development permit have been complied with, except where specified otherwise in these conditions of approval.
3. General
 - 3.1 The applicant/developer is responsible for the cost of necessary alterations to existing public utility mains, services or installations required by works in relation to the proposed development or any works required by the condition(s) of this approval.
 - 3.2 All payments required to be made to the Council (including contributions, charges and bonds) pursuant to any condition of this approval must be made prior to the commencement of the use and at the rate applicable at the time of payment.
 - 3.3 All works must be designed, constructed and carried out in accordance with FNQROC Development Manual requirements (as amended) and to the satisfaction of Council's delegated officer.
 - 3.4 Noise Nuisance

Refrigeration equipment, pumps, compressors and mechanical ventilation systems must be located, designed, installed and maintained to achieve a maximum noise level of 3dB(A) above background levels as measured from noise sensitive locations and a maximum noise level of 8dB(A) above background levels as measured from commercial locations.
4. Infrastructure Services and Standards
 - 4.1 Access

An access crossover must be constructed off Mines Road to the development (from the edge of the road to the property boundary) in accordance with FNQROC Development Manual Standards (as amended), to the satisfaction of Council's delegated officer.
 - 4.2 Stormwater Drainage

The applicant must ensure a non-worsening effect on surrounding land as a consequence of the development and must take all reasonable and practicable measures to ensure discharge occurs in compliance with the

Queensland Urban Drainage Manual (QUDM) and the FNQROC Development Manual.

4.3 Lighting

4.3.1 Where outdoor lighting is required the developer shall locate, design and install lighting to operate from dusk to dawn within all areas where the public will be given access, which prevents the potential for light spillage to cause nuisance to neighbours and must be provided in accordance with Australian Standard 1158.1 – Lighting for Roads and Public Spaces.

Illumination resulting from direct, reflected or other incidental light emanating from the subject land does not exceed 8 lux when measured at any point 1.5m outside the property boundary of the subject site. The lighting fixtures installed on site must meet appropriate lux levels as documented within Australian Standard 4282 – Control of the Obtrusive Effects of Outdoor Lighting.

4.3.2 Warning lights shall not be installed on the tower, unless specifically required by other relevant legislation.

4.4 Building Materials & Finishes

4.4.1 Any equipment cabinets shall be a neutral colour.

4.4.2 The monopole tower and compound fencing shall be painted a colour equivalent to Colorbond 'Pale Eucalypt' in order to help achieve an effective visual blend with the surrounding landscape.

4.5 Operational Requirements

4.5.1 The radiofrequency field emissions and electromagnetic emissions from the installed tower shall not exceed the Australian Radiation Protection and Nuclear Safety Agency mandated exposure limits for continuous exposure to radio frequency and electromagnetic energy transmissions from mobile phone base stations at any time, at any location.

4.5.2 Within three (3) months of the site becoming operational, a site compliance inspection is to be carried out by an appropriately qualified person and certificate issued to verify that the site complies with the requirements and limits of the Australian Radiation Protection and Nuclear Safety Agency, Radiation Protection Standard, 2002 Maximum Exposure Levels to Radio Frequency Fields – 3 kHz to 300 GHz. This certificate is to be submitted to Council for consideration within three (3) months of the tower becoming operational.

4.6 Decommissioning and Site Rehabilitation

If the use is abandoned, the site must be rehabilitated to a level that achieves the following:

- (i) The monopole and associated infrastructure is removed from the site; and

- (ii) The site is made suitable for other uses compatible with the locality;
and
- (iii) Restores the visual amenity of the site.

(D) ASSESSMENT MANAGER'S ADVICE

(a) Compliance with applicable codes/policies

The development must be carried out to ensure compliance with the provisions of Council's Local Laws, Planning Scheme Policies, Planning Scheme and Planning Scheme Codes to the extent they have not been varied by a condition of this approval.

(b) Compliance with Acts and Regulations

The erection and use of the building must comply with the Building Act and all other relevant Acts, Regulations and Laws, and these approval conditions.

(c) Environmental Protection and Biodiversity Conservation Act 1999

The applicant is advised that referral may be required under the *Environmental Protection and Biodiversity Conservation Act 1999* if the proposed activities are likely to have a significant impact on a matter of national environmental significance. Further information on these matters can be obtained from www.environment.gov.au.

(d) Cultural Heritage

In carrying out the activity the applicant must take all reasonable and practicable measures to ensure that no harm is done to Aboriginal cultural heritage (the "cultural heritage duty of care"). The applicant will comply with the cultural heritage duty of care if the applicant acts in accordance with gazetted cultural heritage duty of care guidelines. An assessment of the proposed activity against the duty of care guidelines will determine whether or to what extent Aboriginal cultural heritage may be harmed by the activity. Further information on cultural heritage, together with a copy of the duty of care guidelines and cultural heritage search forms, may be obtained from www.datsip.qld.gov.au.

(E) RELEVANT PERIOD

When approval lapses if development not started (s.85)

Material Change of Use – six (6) years (starting the day the approval takes effect). (F) OTHER NECESSARY DEVELOPMENT PERMITS AND/OR COMPLIANCE PERMITS

- Development Permit for Building Work

(G) OTHER APPROVALS REQUIRED FROM COUNCIL

- Access approval arising from condition number 4.1 (Please contact Planning Section to obtain application form and applicable fee)

THE SITE

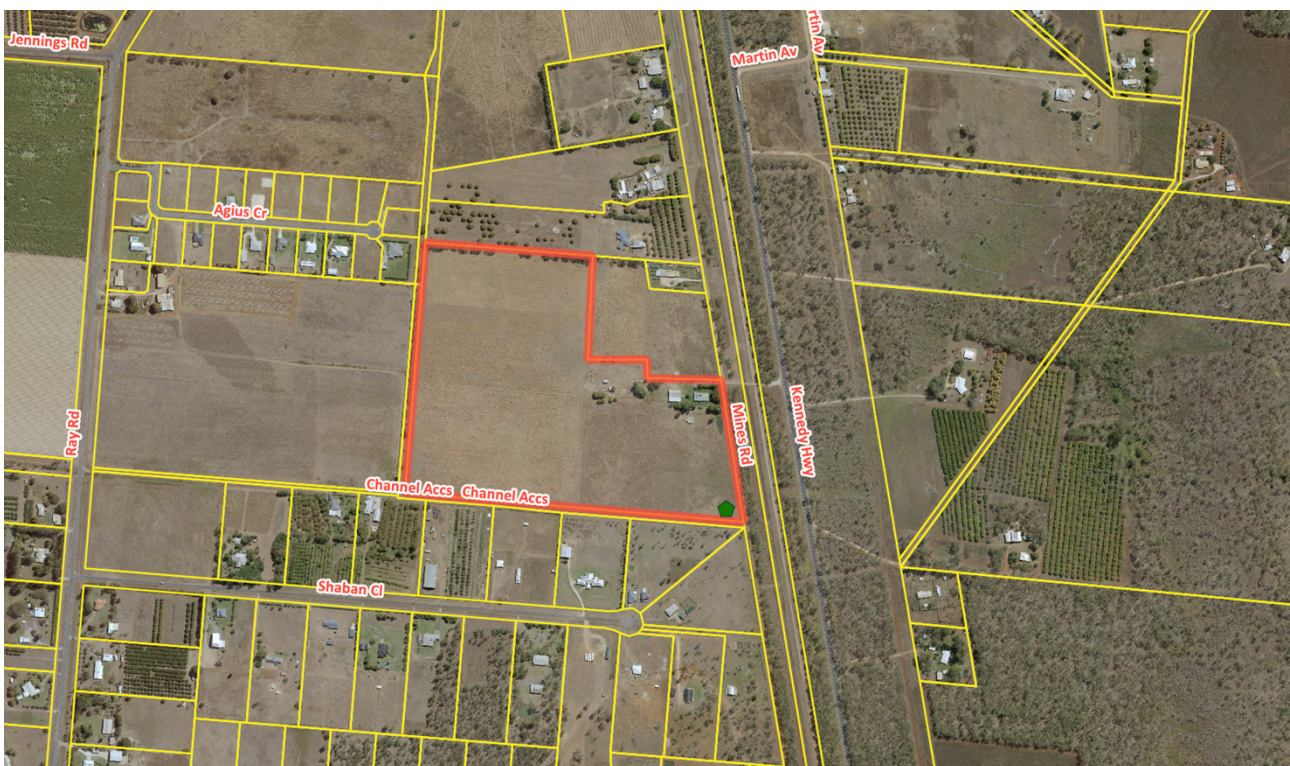
The subject site is situated at 114 Mines Road, Mareeba, and is described as Lot 22 on SP323208. The site is irregular in shape with an area of 20.17 hectares and is zoned Rural Residential under the Mareeba Shire Council Planning Scheme 2016.

The site contains approximately 255 metres of frontage to Mines Road which is formed to a gravel standard for the relevant frontage.

The existing use of the land is a dwelling house. The overall land area outside the dwelling area and its immediate surrounds is sparsely vegetated, with native grasses the general ground-cover. There are several ornamental trees of 2-3m located west of the facility. The site topography is flat, at an elevation of 444m AHD.

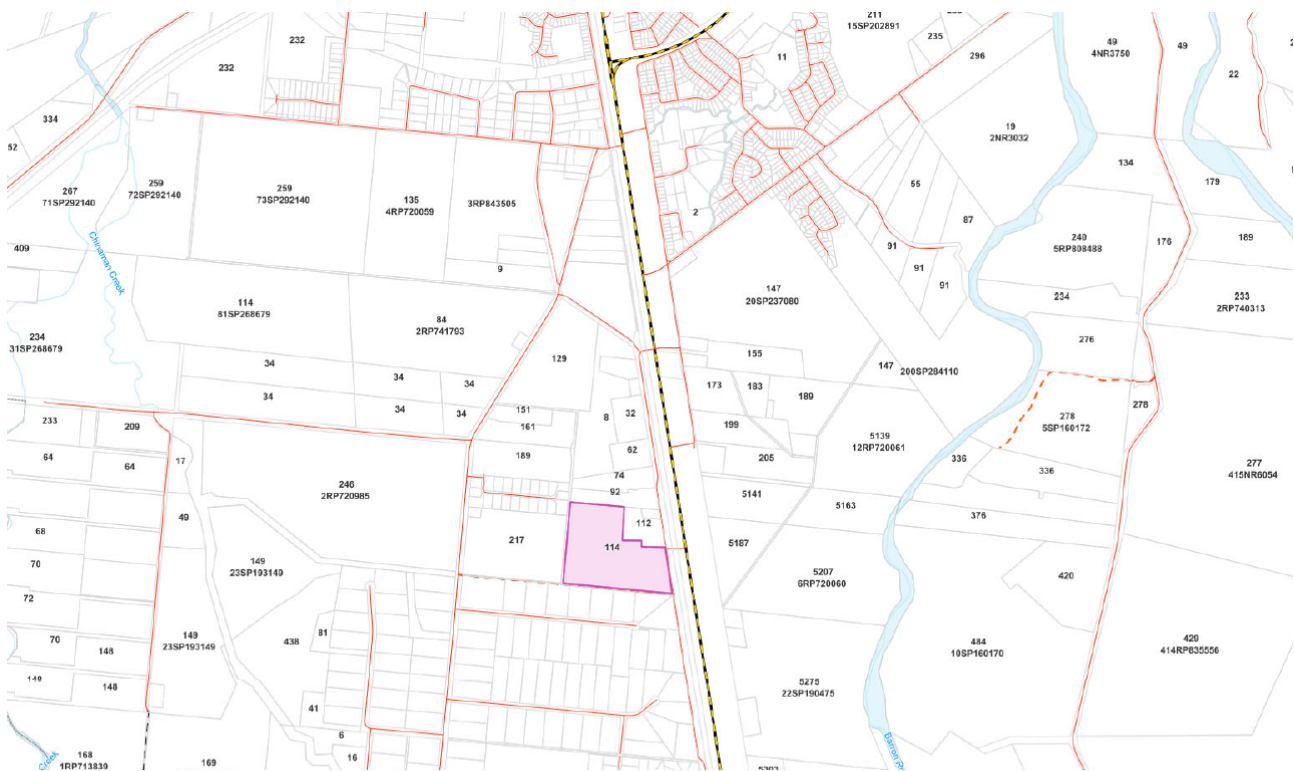
The site has one (1) existing crossover for the dwelling house. The site does have an unformed crossover in the south-eastern corner of the subject site, adjacent to a Sunwater pump tower. The site has nearby access to power, while optic fibre will be extended 1490m to the proposed development.

The site is approximately 4.5km south of the centre of Mareeba, 3.5km north of the Mareeba Airport and 125m west of the Kennedy Highway. The site is situated north of a rural residential area with blocks generally 2 hectares in size.



Map Disclaimer:

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BACKGROUND AND CONTEXT

Nil

PREVIOUS APPLICATIONS & APPROVALS

Nil

DESCRIPTION OF PROPOSED DEVELOPMENT

The development application seeks a Development Permit for Material Change of Use - Telecommunications Facility in accordance with the plans shown in **Attachment 1**.

The proposed development is described as follows:

- Establishing a 40m monopole on the site (antennas will protrude to 41.4m above ground level);
- Installing nine (9) new panel antennas mounted on a triangular headframe attached to the monopole at an elevation of 40m (centreline);
- Installing associated ancillary equipment mounted on the monopole headframe, including remote radio units, diplexers, tower mounted amplifiers, combiners, feeders, cables and other ancillary equipment as required;
- Installing Telstra equipment shelter at the base of the monopole to accommodate proposed equipment;

- The above elements within a 12m x 10.0m security fenced and padlocked compound; and
- Installing solid metal fencing around the exterior of the compound.

The applicant has proposed that the monopole be an unpainted/untreated concrete grey finish as it is their opinion that this would be less noticeable against the skyline.

Access to the facility is proposed to be taken off Mines Road via a new crossover. The internal access route is proposed to be crushed gravel 3m in width and will be approximately 20m in length.

Mobile phone base stations require only infrequent maintenance visits (i.e. only two (2) to four (4) times per year). Furthermore, the site will operate on a continually unmanned basis. As such, the proposal will not be a significant generator of vehicular and/or pedestrian traffic.

REGIONAL PLAN DESIGNATION

The subject site is included within the Regional Landscape and Rural Production Area land use category in the Far North Queensland Regional Plan 2009-2031. Mareeba is identified as a Major Regional Activity Centre in the Regional Plan. The Regional Plan Map 3- ‘Areas of Ecological Significance’ does not identify the site as being of any significance.

PLANNING SCHEME DESIGNATIONS

Strategic Framework:	Land Use Categories <ul style="list-style-type: none"> • Rural Residential Area Transport Elements <ul style="list-style-type: none"> • Principal Cycle Route
Zone:	Rural Residential zone
Precinct:	Precinct A - 4,000m2
Overlays:	Agricultural land overlay Airport environs overlay Bushfire hazard overlay Residential dwelling house and outbuilding overlay Transport infrastructure overlay

Planning Scheme Definitions

The proposed use is defined as:

Column 1	Column 2	Column 3	Column 4
Use	Definition	Examples include	Does not include the following examples

Telecommunications facility	Premises used for systems that carry communications and signals by means of radio, including guided or unguided electromagnetic energy, whether such facility is manned or remotely controlled.	Telecommunication tower, broadcasting station, television station	Aviation facility, 'low impact telecommunications facility' as defined under the <i>Telecommunications Act 1997</i>
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RELEVANT PLANNING INSTRUMENTS

Assessment of the proposed development against the relevant planning instruments is summarised as follows:

(A) Far North Queensland Regional Plan 2009-2031

Separate assessment against the Regional Plan is not required because the Mareeba Shire Council Planning Scheme appropriately advances the Far North Queensland Regional Plan 2009-2031, as it applies to the planning scheme area.

(B) State Planning Policy

Separate assessment against the State Planning Policy (SPP) is not required because the Mareeba Shire Council Planning Scheme appropriately integrates all relevant aspects of the SPP.

(C) Mareeba Shire Council Planning Scheme 2016

Strategic Framework

3.6 Transport and infrastructure

3.6.1 Strategic outcomes

- (9) Mareeba Shire is supported by affordable and reliable high-speed telecommunications that are delivered through facilities that minimise visual impact.

Comment

The proposed telecommunications facility will include the construction of a 40 metre high monopole tower (41.4 metres high including antennas) and is therefore non-compliant with AO1.1.

The height and location of the proposed development is considered necessary in order to achieve the desired coverage objectives for the intended service area.

Despite the monopole tower having a slimline design, the height of the tower means some visual impact to surrounding residences is likely.

Telecommunications facilities are a common and accepted form of development and any visual impact will likely be offset by the wider community benefit provided by the proposed facility (mobile phone reception).

Furthermore, the developer will be required to paint the monopole tower a "pale eucalypt" colour to help soften its appearance.

The development complies.

3.6.11 Element—Information and communication technology

3.6.11.1 Specific outcomes

- (2) Telecommunications facilities, particularly mobile phone towers, are located to ensure visual amenity is not compromised, with these facilities co-located wherever possible.

Comment

Due to the intended service area, it is not possible to co-locate this telecommunications facility. The application has thoroughly addressed co-location options and alternative sites and officers are satisfied that the subject site is appropriate.

The proposed telecommunications facility will include the construction of a 40 metre high monopole tower (41.4 metres high including antennas) and is therefore non-compliant with AO1.1.

The height and location of the proposed development is considered necessary in order to achieve the desired coverage objectives for the intended service area.

Despite the monopole tower having a slimline design, the height of the tower means some visual impact to surrounding residences is likely.

Telecommunications facilities are a common and accepted form of development and any visual impact will likely be offset by the wider community benefit provided by the proposed facility (mobile phone reception).

Furthermore, the developer will be required to paint the monopole tower a "pale eucalypt" colour to help soften its appearance.

The development complies.

Relevant Developments Codes

The following Development Codes are considered to be applicable to the assessment of the application:

- 6.2.10 Rural residential zone code
- 7.2.2 Mareeba local plan code
- 8.2.1 Agricultural land overlay code
- 8.2.2 Airport environs overlay code
- 8.2.3 Bushfire hazard overlay code
- 9.3.4 Energy and infrastructure activities code
- 9.4.2 Landscaping code
- 9.4.3 Parking and access code
- 9.4.5 Works, services and infrastructure code

The application included a planning report and assessment against the planning scheme. An officer assessment has found that the application satisfies the relevant acceptable outcomes (or performance outcome where no acceptable outcome applies) of the relevant codes set out below, provided reasonable and relevant conditions are attached to any approval.

Relevant Codes	Comments
Rural residential zone code	The application can be conditioned to comply with the relevant acceptable outcomes and/or performance outcomes (where no acceptable outcome provided) apart from the following: <ul style="list-style-type: none"> • Acceptable Outcome AO1 Refer to planning discussion section of report.
Mareeba local plan code	The application can be conditioned to comply with the relevant acceptable outcomes (or performance outcomes where no acceptable outcome is provided) contained within the code.
Agricultural land overlay code	The application can be conditioned to comply with the relevant acceptable outcomes (or performance outcomes where no acceptable outcome is provided) contained within the code.
Airport environs overlay code	The application can be conditioned to comply with the relevant acceptable outcomes (or performance outcomes where no acceptable outcome is provided) contained within the code.
Bushfire hazard overlay code	The application can be conditioned to comply with the relevant acceptable outcomes (or performance outcomes where no acceptable outcome is provided) contained within the code.
Energy and infrastructure activities code	The application can be conditioned to comply with the relevant acceptable outcomes and/or performance outcomes (where no acceptable outcome provided) apart from the following: <ul style="list-style-type: none"> • Acceptable Outcome AO3.1 Refer to planning discussion section of report.
Landscaping code	The application can be conditioned to comply with the relevant acceptable outcomes (or performance outcomes where no acceptable outcome is provided) contained within the code.
Parking and access code	The application can be conditioned to comply with the relevant acceptable outcomes (or performance outcomes where no acceptable outcome is provided) contained within the code.
Works, services and infrastructure code	The application can be conditioned to comply with the relevant acceptable outcomes (or performance outcomes where no acceptable outcome is provided) contained within the code.

(D) Planning Scheme Policies/Infrastructure Charges Plan

The following planning scheme policies are relevant to the application:

Planning Scheme Policy 4 - FNQROC Regional Development Manual

A condition will be attached to any approval requiring all development works to be designed and constructed in accordance with FNQROC Development Manual Standards.

(E) Adopted Infrastructure Charges Notice

No charge is applicable under Adopted Infrastructure Charges Resolution (No.1) 2021.

REFERRAL AGENCY

This application did not trigger referral to a Referral Agency.

Internal Consultation

Nil

PUBLIC NOTIFICATION

The development proposal was placed on public notification from 5 May 2022 to 26 May 2022. The applicant submitted the notice of compliance on 27 May 2022 advising that the public notification requirements were carried out in accordance with the requirements of the Act.

Two (2) properly made submissions were received and both objected to the proposed development. One (1) of the submissions as co-signed by 15 persons.

The grounds for objection/support are summarised and commented on below:

Grounds for objection /support	Comment
Concerns about health impact due to tower proximity and/or 5G.	<p>An environmental electromagnetic energy (EME) report has been produced for the proposed development.</p> <p>The maximum predicted EME level is 1.75% of the public exposure limit at 79 metres from the source.</p> <p>The predicted EME level is 98.25% below the public safety threshold.</p> <p>Australia's Chief Medical Officer has issued an official statement about the safety of the new 5G mobile phone network (Attachment 3).</p> <p>The statement advises that 5G technology is safe and there is no evidence that 5G causes adverse health impacts.</p>
Development may reduce property values.	<p>This is subjective and not a planning consideration.</p> <p>Some people may be put off by telecommunications towers, and others may be attracted by the improved access to telecommunications.</p>
Current mobile phone reception is poor, but development is not worth risk to health, property values.	<p>The development is required to address the existing poor coverage.</p> <p>As mentioned previously, there is no evidence that the development will adversely impact on health.</p> <p>It is certain that poor mobile phone coverage can be life threatening in the event of an emergency.</p>

Submitters

Name of Principal submitter	Address
1. D Richardson	PO Box 2723, Mareeba Qld 4880
2. L & G Della-Bosca (co-signed by 13 others)	PO Box 691, Mareeba Qld 4880

PLANNING DISCUSSION

Noncompliance with the relevant acceptable outcomes of the following development codes is discussed below. Where the development cannot comply with an acceptable outcome, it is considered compliance with the higher order specific outcome can be achieved.

Rural Residential zone code*Height*

PO1 *Building height takes into consideration and respects the following:*

- (a) the height of existing buildings on adjoining premises;*
- (b) the development potential, with respect to height, on adjoining premises;*
- (c) the height of buildings in the vicinity of the site;*
- (d) access to sunlight and daylight for the site and adjoining sites;*
- (e) privacy and overlooking; and*
- (f) site area and street frontage length.*

AO1

Development has a maximum building height of:

- (a) 8.5 metres; and*
- (b) 2 storeys above ground level.*

Comment

The proposed telecommunications facility will include the construction of a 40 metre high monopole tower (41.4 metres high including antennas) and is therefore non-compliant with AO1.1.

The height and location of the proposed development is considered necessary in order to achieve the desired coverage objectives for the intended service area.

Despite the monopole tower having a slimline design, the height of the tower means some visual impact to surrounding residences is likely.

Telecommunications facilities are a common and accepted form of development and any visual impact will likely be offset by the wider community benefit provided by the proposed facility (mobile phone reception).

Furthermore, the developer will be required to paint the monopole tower a "pale eucalypt" colour to help soften its appearance.

Once operational, the development will operate unmanned on a daily basis and will not produce any solid or liquid wastes, odours, dust, smoke or significant noise (air conditioner noise only).

It is considered the proposed development will achieve compliance with PO1.

Energy and infrastructure activities code**PO3**

Telecommunication facilities are integrated with the built and natural environment to ensure they are not visually dominant or obtrusive.

AO3.1

Telecommunication facilities are located:

- (a) underground; or*

- (b) aboveground where:
 - (i) with other telecommunications facilities;
 - (ii) in or on an existing building or structure; and
 - (iii) in areas where the predominant land uses are telecommunication facilities, industrial or commercial uses.

Comment

The proposed telecommunications facility will be a new facility and is located aboveground is therefore non-compliant with AO3.1.

The height and location of the proposed development is considered necessary in order to achieve the desired coverage objectives for the intended service area.

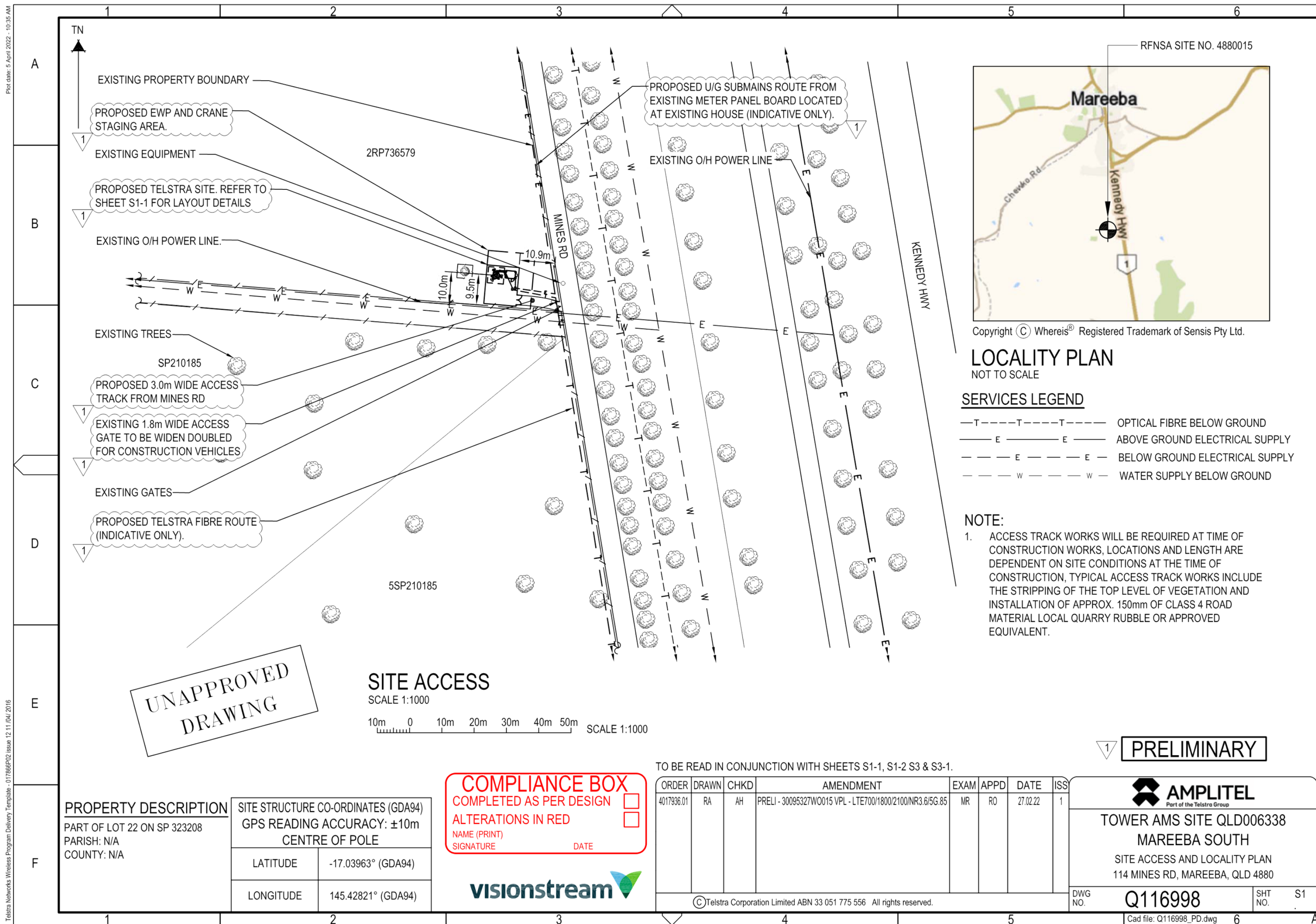
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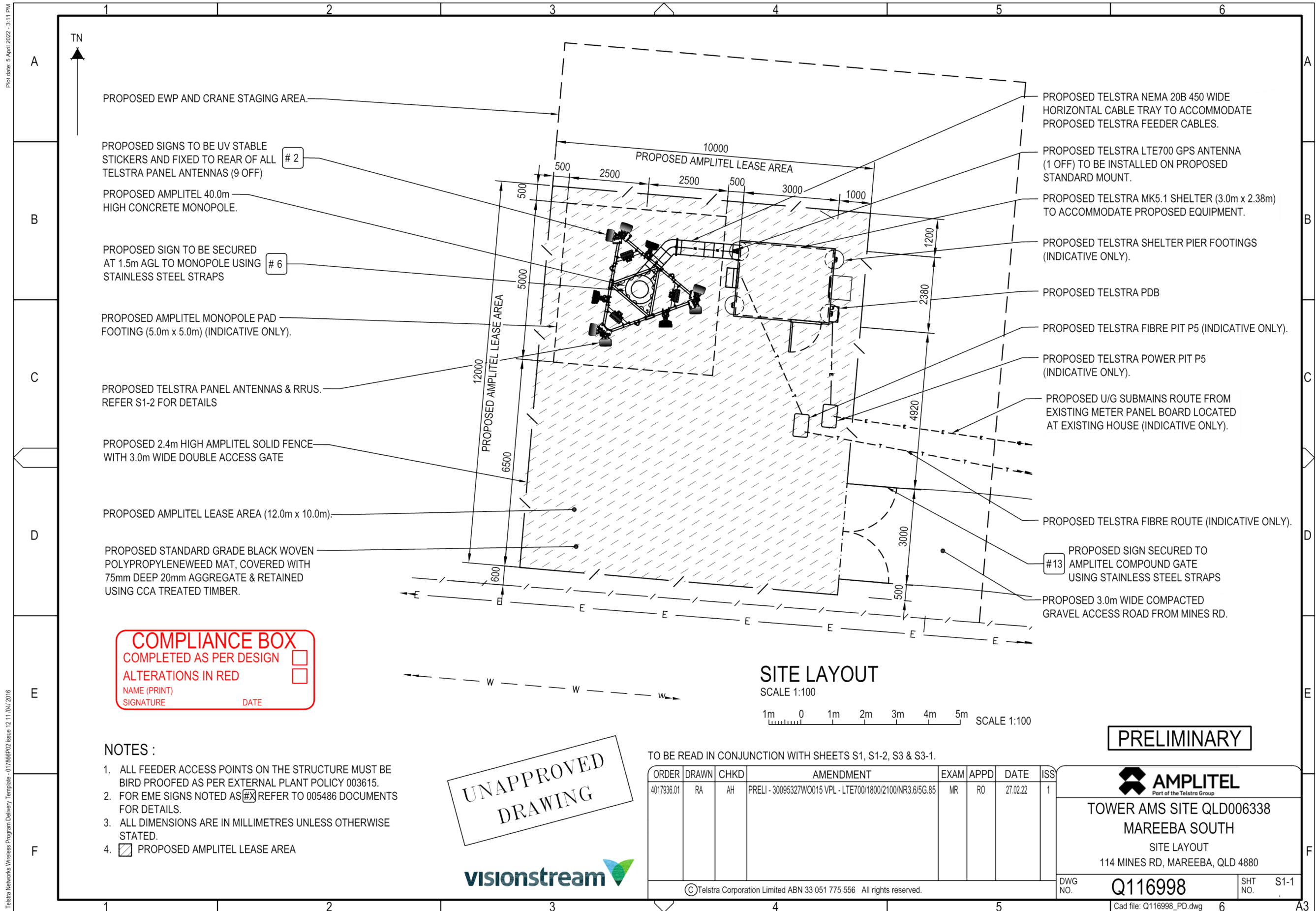
Once operational, the development will operate unmanned on a daily basis and will not produce any solid or liquid wastes, odours, dust, smoke or significant noise (air conditioner noise only).

The proposed development is not considered to be in conflict with PO3.



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COMPLIANCE BOX
 COMPLETED AS PER DESIGN
 ALTERATIONS IN RED
 NAME (PRINT) _____
 SIGNATURE _____ DATE _____

NOTES :

1. ALL FEEDER ACCESS POINTS ON THE STRUCTURE MUST BE BIRD PROOFED AS PER EXTERNAL PLANT POLICY 003615.
2. FOR EME SIGNS NOTED AS #X REFER TO 005486 DOCUMENTS FOR DETAILS.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
4. PROPOSED AMPLITEL LEASE AREA

UNAPPROVED
DRAWING



SITE LAYOUT

SCALE 1:100
 1m 0 1m 2m 3m 4m 5m SCALE 1:100

PRELIMINARY

TO BE READ IN CONJUNCTION WITH SHEETS S1, S1-2, S3 & S3-1.

ORDER	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS
4017936.01	RA	AH	PRELI - 30095327W0015 VPL - LTE700/1800/2100/NR3.6/5G.85	MR	RO	27.02.22	1

AMPLITEL
Part of the Telstra Group

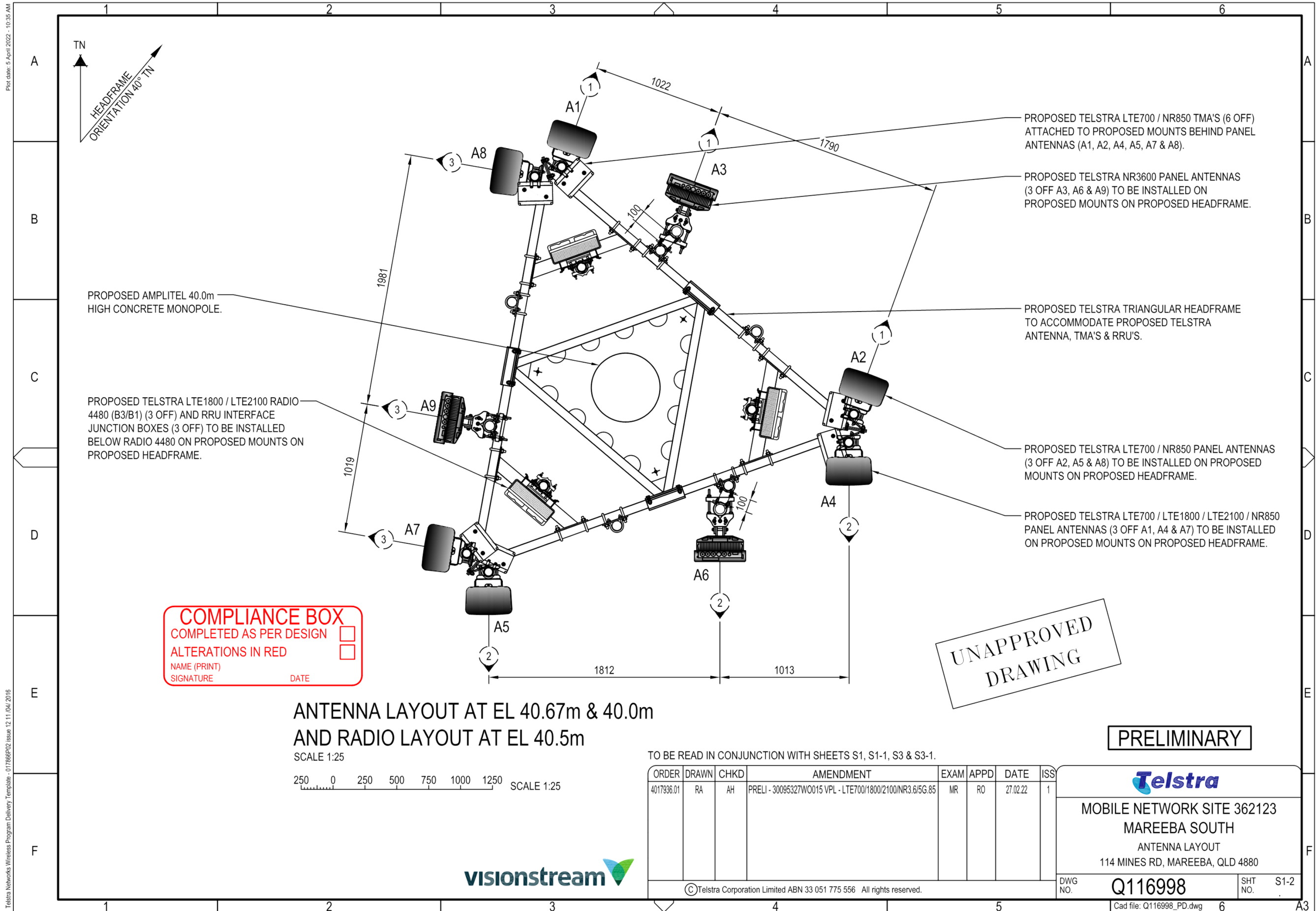
TOWER AMS SITE QLD006338
MAREEBA SOUTH
 SITE LAYOUT
 114 MINES RD, MAREEBA, QLD 4880

© Telstra Corporation Limited ABN 33 051 775 556 All rights reserved. DWG NO. **Q116998** SHT NO. S1-1

Cad file: Q116998_PD.dwg

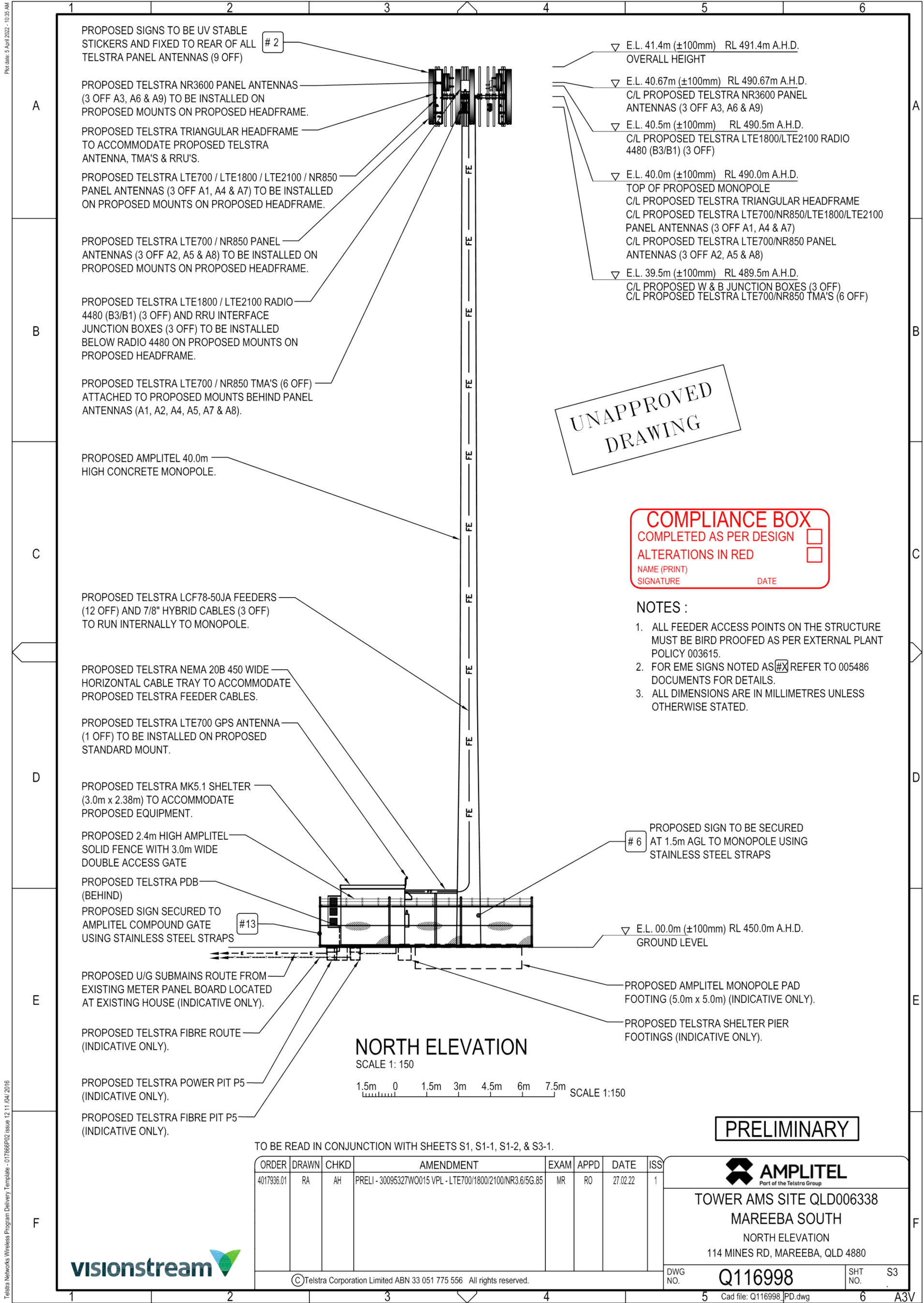
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TELSTRA ANTENNA CONFIGURATION TABLE					
ANTENNA No	ANTENNA TYPE & SIZE H x W x D	ANTENNA ACTION REQUIRED	ANTENNA HEIGHT C/L A.G.L.	ANTENNA BEARING (x°T)	SECTOR NO. & TECHNOLOGY
A1	ARGUS RVVPX310.11B-T2H PANEL 2533 x 350 x 208mm	INSTALL	40.0m	20°	S1: LTE700 / S1: NR850
					S1: LTE700 / S1: NR850
					S1: LTE1800 / S1: LTE2100
					S1: LTE1800 / S1: LTE2100
A2	ARGUS RVVPX310.11B-T2H PANEL 2533 x 350 x 208mm	INSTALL	40.0m	20°	S1: LTE700 / S1: NR850
					S1: LTE700 / S1: NR850
					SPARE
					SPARE
A3	ERICSSON AIR6488 PANEL 810 x 400 x 200mm	INSTALL	40.67m	20°	S1: NR3600 S1: NR3600
A4	ARGUS RVVPX310.11B-T2H PANEL 2533 x 350 x 208mm	INSTALL	40.0m	180°	S2: LTE700 / S2: NR850
					S2: LTE700 / S2: NR850
					S2: LTE1800 / S2: LTE2100
					S2: LTE1800 / S2: LTE2100
A5	ARGUS RVVPX310.11B-T2H PANEL 2533 x 350 x 208mm	INSTALL	40.0m	180°	S2: LTE700 / S2: NR850
					S2: LTE700 / S2: NR850
					SPARE
					SPARE
A6	ERICSSON AIR6488 PANEL 810 x 400 x 200mm	INSTALL	40.67m	180°	S2: NR3600 S2: NR3600
A7	ARGUS RVVPX310.11B-T2H PANEL 2533 x 350 x 208mm	INSTALL	40.0m	280°	S3: LTE700 / S3: NR850
					S3: LTE700 / S3: NR850
					S3: LTE1800 / S3: LTE2100
					S3: LTE1800 / S3: LTE2100
A8	ARGUS RVVPX310.11B-T2H PANEL 2533 x 350 x 208mm	INSTALL	40.0m	280°	S3: LTE700 / S3: NR850
					S3: LTE700 / S3: NR850
					SPARE
					SPARE
A9	ERICSSON AIR6488 PANEL 810 x 400 x 200mm	INSTALL	40.67m	280°	S3: NR3600 S3: NR3600
A200	GPS ANTENNA KRE 101 2082/1 Ø68 x 96	INSTALL	BASE OF GPS 3.2m	0°	-

COMPLIANCE BOX

COMPLETED AS PER DESIGN

ALTERATIONS IN RED

NAME (PRINT) _____

SIGNATURE _____ DATE _____

UNAPPROVED
DRAWING

PRELIMINARY

TO BE READ IN CONJUNCTION WITH SHEETS S1, S1-1, S1-2 & S3.

ORDER	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS
4017936.01	RA	AH	PRELI - 30095327/W0015 VPL - LTE700/1800/2100/NR3.6/5G.85	MR	RO	27.02.22	1

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MOBILE NETWORK SITE 362123
MAREEBA SOUTH

ANTENNA CONFIGURATION TABLE
114 MINES RD, MAREEBA, QLD 4880

Q116998

DWG NO. SHT NO. S3-1

Cad file: Q116998.PD.dwg

A3V

Print date: 5 April 2022 - 10:36 AM

Telstra Networks Wireless Program Delivery Template - 017666902 issue 12.11.04/2016

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DENNIS RICHARDSON

Postal...PO Box 2723, Mareeba
 99 Shaban Close
 Mareeba,
 QUEENSLAND, 4880
 Phone 4092 7545/0418 783 903

sidewinder7@bigpond.com



15/05/2022

Mareeba Shire Council

PO Box 154

Mareeba

Qld 4880

Subject:- Telstra Tower at Mines Rd

Dear Sir,

Yes, we object to the construction of a Telstra Tower at 114 Mines Rd, for the following reasons.

1. Health. Given there has been objections to other towers for reasons of health, and there are studies being undertaken that are not yet resulted, we would be happier if this tower was constructed at a greater distance from residential properties. Can MSC and Telstra give us total assurance that there is no health issues due to our close proximity..(20 meters to our boundary, 250 meters to our dwelling).
2. Value of our property. We feel that if a tower is constructed so close to our property, our resale value would be very much reduced. We also think it likely that prospective buyers for our style of property would look elsewhere without a tower.

Document Set ID: 4093020
 Version: 1, Version Date: 18/05/2022

3. We see the only benefit from the tower being constructed at the proposed location, is to the owners of 114 Mines Rd, and every other property owner in close proximity will suffer the cost by way of reduced value.
4. The current mobile phone reception in this area is rubbish, but it's not worth risking our health and property value to improve it.

Yours Sincerely,



Dennis Richardson

Lawrence and Genet Della-Bosca
 PO Box 691
 Mareeba QLD 4880



11th May 2022

PO Box 154
 Mareeba QLD 4880

Attention: Development Application Officer

Dear Sir/Madam

Reference: URGENT RESPONSE to:

Proposed development – Telecommunications Facility

Lot 22 on SP323208 114 Mines Road Mareeba QLD 4880

Application reference MCU/22/0007

In response to the communication dated 3rd May 2022, received 9th May 2022. Please note the following.

As of the 18th March 2022 more, than 230 scientists and doctors from more than 40 countries have signed an appeal recommending a moratorium on the roll-out for the fifth generation 5G for telecommunication. The Doctors/Scientists reveal that 5G will substantially increase exposure to radiofrequency electromagnetic fields (RF-EMF) on top of the 2G, 3G, 4G, Wi-Fi, etc. for telecommunications already in place. Adding that, RF-EMF has been proven to be harmful for humans and the environment. Additionally, the World Health Organisation WHO classified communications technology in the category 2B of cancer-causing substance.

The scientists have expressed their “serious concerns” regarding the ubiquitous and increasing exposure to EMF generated by electric and wireless devices already present before the additional 5G roll-out. They refer to the fact that “ numerous recent scientific publications have shown that; *EMF affects living organisms at levels well below most international and national guidelines*”.

Document Set ID: 4100169
 Version: 1, Version Date: 26/05/2022

As the owners of a neighbouring property to the proposed development of the 5G tower we have several concerns for our family and ability to live peacefully with the proximity of the proposed tower. Especially considering the scientists have revealed evidence that state effects include increased cancer risk, cellular stress, increase in harmful free radicals, genetic damages, structural and functional changes of the reproductive system, learning and memory deficits, neurological disorders, and negative impacts on general well-being in humans such as headaches, fatigue, nausea, body aches, flu like symptoms just to mention a few. Additionally it is stated that damage goes well beyond just humans, as there is growing evidence of harmful effects to both plants and animals.

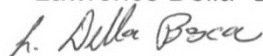
Additional reports globally which are easy to find show alarming information relating to the use of 5G. One example reported on, 8th March 2017 revealed that 800 dolphins washed up on Atlantic shores dead as a result of submarine/airplane communication. Also, another report October 2018 in the Netherlands two 5G tests were carried out that resulted in 398 birds dropping dead from the sky. This resulted in categorising the 5G test to category 1 cancer causing.

Therefore, with a current appeal supported by over 230 Doctors/Scientists and alarming information easily accessible from credible sources we feel that a delay for the proposed development application be considered to allow for the results of the scientific studies and appeal to be revealed and reviewed.

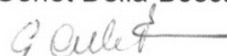
Thank you for your time effort and consideration and we eagerly await your reply in this extremely important matter.

Yours Sincerely

Lawrence Della- Bosca



Genet Della-Bosca



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Version: 1, Version Date: 26/05/2022

PETITION

We the undersigned residents of Mareeba, do not agree to the construction of a telecommunications facility to be built at Lot 22 on SP323208 114 Mines Road Mareeba:

Name	Address	Signature
S. SWINTON	62 MINES ROAD, MAREEBA	<i>S. Swinton</i>
S. HASSETT	62 MINES ROAD, MAREEBA	<i>S. Hassett</i>
J. ZAPPULLA	22 MINES ROAD, MAREEBA	<i>J. Zappulla</i>
A ZAPPULLA	22 MINES RD	<i>A. Zappulla</i>
A. mehmed	Lot 8 shaban cl Mareeba QLD	<i>A. Mehmed</i>
K wicks	" "	<i>K. Wicks</i>
MICHAEL BARKS	LOT 9 SHABAN CLOSE	<i>M. Barks</i>
Michelle Borch	8 Mines Rd	<i>M. Borch</i>
AIKEEN CRISTIANO	14 MINES RD.	<i>A. Cristiano</i>
V. Cristiano	14 MINES RD.	<i>V. Cristiano</i>
K KIDNER	74 MINES RD MAREEBA	<i>K. Kidner</i>
S. MURAT	84 RAY Rd, MBA 4880	<i>S. Murat</i>
V. Murat	32 MINES ROAD	<i>V. Murat</i>



31 May 2022 – [Coronavirus \(COVID-19\) health alert](#)

31 May 2022 – [Japanese encephalitis virus \(JEV\) health alert](#)



Australian Government
Department of Health

Safety of 5G technology

Statement from Australia's Chief Medical Officer, Professor Brendan Murphy, about the safety of the new generation 5G mobile phone network

Date published:

24 January 2020

Media type:

Statement

Audience:

General public

I'd like to reassure the community that 5G technology is safe.

There is no evidence telecommunication technologies, such as 5G, cause adverse health impacts.

This position is supported by health authorities in Australia – such as the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) – and around the world, such as the World Health Organization (WHO).

Mobile phone networks and other wireless telecommunications emit low-powered radio waves also known as radiofrequency (RF) electromagnetic energy (EME). This is different to ionising radiation associated with nuclear energy or use in medicine.

The radio waves to which the general public is exposed from telecommunications are not hazardous to human health.

To ensure the public remains protected, ARPANSA established limits for EME through a Standard. This Standard is designed to protect people from exposure to radio waves. Limits are set well below the levels where there is evidence of some biological effects such as tissue heating.

Under the Australian Communications and Media Authority's regulatory framework, all telecommunications, including new 5G technology, have to comply with the exposure limits in the ARPANSA Standard.


In order to further improve understanding about this issue, the Australian Government recently announced an investment of \$9 million over four years to assure the public of the safety of telecommunications networks, including new 5G mobile networks.

New initiatives under the Enhanced EME Program will include more targeted scientific research and public information to address community concerns.

Further information about exposure to the 5G network is available from the [ARPANSA website](#) and the Department of Communications and the Arts website, including:

- [5G and your health](#)
- [Misinformation about Australia's 5G network](#)
- [5 facts on 5G](#)
- [Radiofrequency Electromagnetic Energy Emissions](#)

Contact



Australian Government

Departmental media enquiries

Contact for members of the media

[📞 02 6289 7400](tel:0262897400)

[✉ news@health.gov.au](mailto:news@health.gov.au)

[View contact](#)

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[Medical research](#)