32-34 Georges Bay Esplanade
St Helens Tasmania 7216
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Break O'Day COUNCIL

Development Applications

Notice is hereby given under Section 57(3) of the *Land Use Planning & Approvals Act 1993* that an application has been made to the Break O' Day Council for a permit for the use or development of land as follows:

DA Number	DA 2026 / 00021
Applicant	Service Stream Ltd OBO Telstra Corporation Ltd
Proposal	Utilities - Upgrade to Telecommunication Facility
Location	CPR 5493 – Telstra Compound Mt Pearson State Reserve - Reids Road, Binalong Bay

Plans and documents can be inspected at the Council Office by appointment, 32 – 34 Georges Bay Esplanade, St Helens during normal office hours or online at www.bodc.tas.gov.au.

Representations must be submitted in writing to the General Manager, Break O'Day Council, 32 -34 Georges Bay Esplanade, St Helens 7216 or emailed to admin@bodc.tas.gov.au, and referenced with the Application Number in accordance with section 57(5) of the abovementioned Act during the fourteen (14) day advertised period commencing on Saturday 21st February 2026 **until 5pm Tuesday 10th March 2026.**

John Brown
GENERAL MANAGER

PLANNING ASSESSMENT

Proposed Telstra Mobile Telecommunications Facility at

Reids Street, Binalong Bay TAS 7216

ServiceStream

Prepared for	Prepared by:
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This report has been prepared as a supporting document to the Development Application. The report relies upon data, surveys, measurements and results taken at or under particular times and conditions specified herein. Any findings and conclusions or recommendations only apply to the aforementioned circumstances. Service Stream does not accept any responsibility for the use of this report by any parties without its prior written permission.

ServiceStream

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1 Executive Summary

This Planning Submission provides an assessment of Telstra's upgrade to an existing telecommunications site (RFNSA ID 7216004) within Mount Pearson State Reserve, Reids Road, Binalong Bay TAS 7216, to improve its mobile telecommunications network within the Baretop Hill area and surrounds, in addition to achieving safety requirements.

Telstra has identified a need to provide enhanced coverage and services in the Baretop Hill area and surrounds, which requires an upgrade of this existing telecommunications site, with the introduction of new Telstra 5G facilities. For this proposal extensive investigations around the Binalong Bay area have been undertaken.

As a licensed telecommunications carrier in Australia, Telstra must operate under the provisions of the *Telecommunications Act 1997* (The Act 1997) and the *Telecommunications Code of Practice 2021*. The Act 1997 exempts carriers from the requirements of State and Territory environmental and planning legislation when the proposed facility falls within the definition of a 'low-impact' facility as described under the *Telecommunications (Low-impact Facilities) Determination 2018.* However, where a facility does not comply with the requirements of the Low-impact Facilities Determination, the facility is subject to State and Territory environmental legislation and a permit may be required.

Telstra is therefore seeking a planning permit from Break O'Day Council, in accordance with the *Tasmanian Planning Scheme*, to upgrade an existing telecommunications site.

This report comprises a description of the need for the Telstra upgrade, along with an assessment of the planning/environmental impacts associated with it.

2 Background to the Application

2.1 Mobile Network Services

2.1.1 5G Technology

Telstra has identified the need to expand on the existing mobile network telecommunications facilities within Binalong Bay to satisfy network capacity demands and "depth of coverage" objectives.

This upgrade will also provide an opportunity for the local community to benefit from new 5G technology as it rolls out throughout Australia. Hence, the new facility will include the installation of 5G antennas.

5G will take us from a world of connecting people to each other and the internet to a world of ultra-fast mobile speeds and the Internet of Things (IoT) on a mass scale. These enhancements will unleash a host of new opportunities – everything from smart cities and smart homes, to drones and driverless cars, to augmented reality in both entertainment and at work.

5G readiness is part of building Networks for the Future, a key pillar of the up to $3 billion in incremental investment we are making to transform the way we deliver services and bring new products to market. This investment will mean Telstra continues to deliver Australia's largest and fastest mobile network.

2.2 Need for the Facility

Telstra's upgrade to an existing telecommunications site is required within the Binalong Bay area to keep up with increasing demand on the Telstra network and evolving mobile coverage needs, in order to provide critical network relief to:

- Ensure that the increased demands in mobile network traffic identified in the Binalong Bay area and surrounds on the existing base stations do not critically compromise customers' ability to connect to the Telstra network; and
- Ensure that optimal data speeds are maintained at all times during the day; and
- Improve mobile phone coverage to locals, visitors, local businesses, main traffic and trail corridors in this bushland area, supporting the economic future of the local business communities of Binalong Bay and the wider district.
- Comply with safety requirements.

The Responsible Authority for the site is the Break O'Day Council, which administers the *Tasmanian Planning Scheme*. The Telecommunications Code within the Planning Scheme establishes the planning requirements for telecommunications facilities in the area.

This proposal seeks to upgrade an existing telecommunications site in a manner that meets the relevant planning criteria, including preserving the amenity of the surrounding area and locating new facilities where Telstra mobile equipment already exists on the existing monopole within state reserve land.

Equally, the upgrade satisfies Telstra's coverage objectives by providing an effective and efficient solution to address the identified growing demand for mobile and data services from the community, businesses, and travellers. The new antennas are optimally positioned and oriented to meet future requirements for 4G and 5G technology, ensuring high-speed network access across the area.

2.3 Subject Site and Surrounds

The subject property of this application is the existing fenced telecommunications exchange site (RFNSA 7216004) at Baretop Hill within the expansive Mount Pearson State Reserve, off of Reids Road, Binalong Bay TAS 7216. The land parcel is formally identified as Central Plan Register Plan No. 5493. The coordinate location of the site is -41.265160, 148.267903.

All of this large parcel of land is zoned for Environmental Management under the *Tasmanian Planning Scheme* via the Break O'Day Local Provisions Schedule. It is densely vegetated and sloping throughout, largely undisturbed, comprising some paved roads, access tracks and creeks and sparsely separated built features. **Figure 2** shows the location of the subject property in the wider area. Please see **Appendix B** for site photos.

The exchange site at Baretop Hill is encircled by a high density of tall, mature vegetation, on land elevated higher than its immediate surrounds and connected to Reid Road via an existing meandering, dirt access track. There are no carrier deployment code based 'community sensitive locations' such as residences, hospitals, schools, childcare or aged care centres identified as occurring within 500m of this existing site. The nearest prominent development to the existing telecommunications site is the Bay of Fires Bush Retreat, approximately 1.2KM away east.

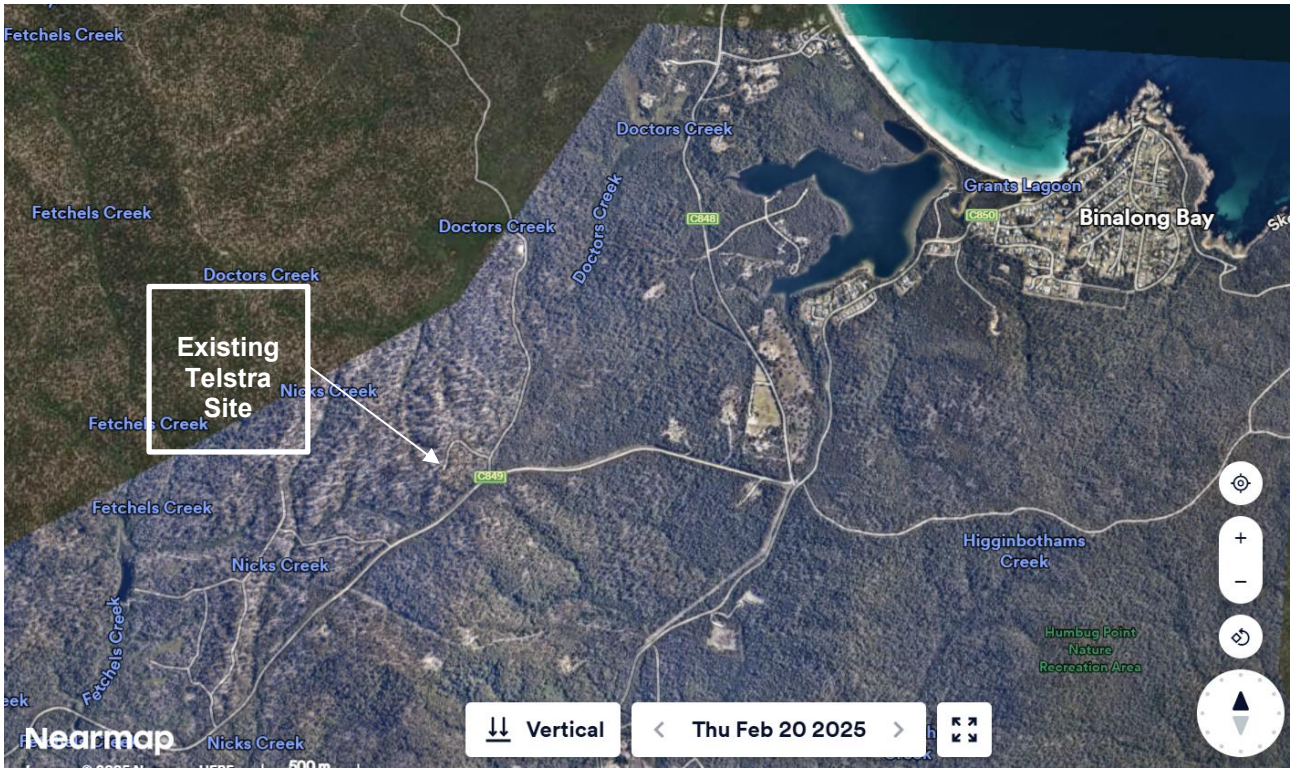

Figure 2: Subject site and surrounding area (Source: Nearmap, 20/02/2025)

2.4 Summary of the Proposal

Drawings accompanying this application illustrate the site locality and proposed layout, site set out, site elevation, and contextual information (refer **Appendix A**).

The proposed upgrade will comprise the:

- Installation of six (6) new panel antennas, each 2,533mm in length, on new mounts positioned 31m above ground level and affixed to the existing 30m monopole;
- Removal of two (2) existing omni antennas, each 2,815mm in length, from the existing mounts located 33m above ground level on the monopole;
- Installation, removal and reconfiguration of associated ancillary equipment, including but not limited to Remote Radio Units (RRUs), junction boxes, Tower Mounted Amplifiers (TMAs), antenna mounts, signage, cable tray, feeders, a GPS antenna, and various components within the existing equipment shelter.

Note: The overall height of the structure will not increase following the upgrade.

3 Regulatory Framework

3.1 Commonwealth Regulatory Framework and Telecommunications Act 1997

In 1991, the Commonwealth Government initiated a major reform of the communications industry in Australia. The reforms allowed limited competition until July 1997 at which time full competition was permitted. In July 1997, the *Telecommunications Act 1997* was introduced, replacing the 1991 Act, which facilitated this competition.

Under the *Telecommunications Act 1997*, the Government established the *Telecommunications Code of Practice 2021*, which sets out the conditions under which a carrier must operate. Carrier, as a licensed telecommunications carrier, must comply with the *Telecommunications Act 1997* and the *Telecommunications Code of Practice 2021* for all telecommunication facilities. Under the *Telecommunications Act 1997*, provisions have been made for telecommunications carriers to be subject to State and Territory environmental and planning laws where the proposed facility does not fall within the definition of the *Telecommunications (Low-impact Facilities) Determination 2018*.

3.2 Telecommunications (Low-impact Facilities) Determination

The *Telecommunications (Low-impact Facilities) Determination* came into effect on 1 July 1997 and has since been subject to several amendments. However, none of these amendments are relevant to the assessment of this application.

A "low-impact" telecommunications facility is defined as one that complies with the requirements set out in the *Telecommunications (Low-impact Facilities) Determination 2018*, which was made by the Federal Minister for Communications under the *Telecommunications Act 1997*.

Telecommunications infrastructure that is classified as “low-impact” does not require planning approval from local government. Conversely, where a development does not meet the criteria for classification as “low-impact”, a planning permit is required.

Whilst the physical dimensions of the proposed facilities and nature of these propose upgrade works would typically be classified as ‘low impact’ in majority of instances, as the subject land is an ‘Area of Environmental Significance’ (AoES), as defined in the Telecommunications (Low Impact Facilities) Determination 2018 (LIFD) - Part 2, 2.5 (3), the proposed upgrade cannot meet the definition of a “low-impact” proposal. Accordingly, a planning application is necessary for the proposed upgrade, subject to the *Land Use Planning and Approvals Act 1993* and *Tasmanian Planning Scheme,* which are applicable to this upgrade.

3.3 Environment Protection and Biodiversity Conservation Act 1999

The *Environment Protection and Biodiversity Conservation Act* commenced on 16th July 2000. It introduces a new role for the Commonwealth Government in the assessment and approval of development proposals where those proposals involve actions that have a “significant impact” on matters of National Environmental Significance, the environment of Commonwealth owned land and actions carried out by the Commonwealth Government. This proposal is not of National Environmental Significance, as it will not impact on:

- World Heritage Areas;
- Wetlands protected by International Treaty (The RAMSAR Convention);
- Nationally listed threatened species and communities;
- Nationally listed migratory species;

- All nuclear actions; or
- The environment of Commonwealth Marine area.

Therefore, approval from the Minister for the Environment is not required in this instance.

3.4 Telecommunications Code of Practice 2021

The *Telecommunications Code of Practice 2021* (The Code) authorises a carrier to enter land, inspect land and install and maintain a facility. The Code emphasizes "best practice" for the installation of facilities, compliance with industry standards and minimisation of adverse impacts, particularly in terms of degradation of the environment and visual impact. The upgrade is considered to comply with "best practice" given the upgrade will:

- Provide improved telecommunications and wireless internet coverage in the Binalong Bay area;
- Be located on a non-residential site within the local area, which maximises separation to residential and other sensitive uses; and
- Comprises the smallest configuration possible for the site to reduce the visual impact of the proposal, while providing appropriate coverage to the surrounding area.

3.5 Industry Code C564:2025

The *Industry Code C564:2025 (Mobile Base Station Deployment)* is a national Code implemented in July 2012 by licensed mobile telecommunications Carriers. The aim of the Code is to address the concerns of the community about the risks of radiofrequency EME exposure by allowing the community and the Councils to have greater participation in decisions made by Carriers and encouraging a more collaborative approach between carriers, local councils and the community alike to mobile base station deployment. As part of this, Carriers are required to have regard to the site selection, design and operation requirements for mobile phone telecommunications infrastructure.

The Code however does not change the existing regulatory regime at Local, State or Federal level and is a supplement to existing requirements imposed on Carriers. This proposal is compliant with the Industry Code and Telstra has applied Sections 4.1 and 4.2 of this Code.

3.6 Tasmanian Planning Scheme

The *Tasmanian Planning Scheme* addresses matters related to the use, development, and management of land and buildings. It establishes a planning system to regulate development across the State, sets rules for the design, construction, and use of buildings, and promotes initiatives to support infrastructure, facilities, and environments that benefit the community.

Telecommunications facilities that do not qualify as low-impact or "minor utilities" in some zones are subject to the relevant local government planning provisions. As this proposal involves the upgrade and operation of a telecommunication facility that is not considered low-impact, ie works within an 'Area of Environmental Significance', the provisions of the Act and the Planning and Development Codes are applicable to the proposals 'utilities' use class which requires a permit as a 'Discretionary' use.

3.7 Nature Conservation Act 2002

The *Nature Conservation Act 2002* provides the statutory framework for the reservation, protection and management of Tasmania's system of national parks and reserves. Under this Act, Mount Pearson State Reserve is formally proclaimed as a State Reserve, and its use and development must be consistent with the management objectives established for that reserve class.

State Reserves are primarily managed for the conservation of natural and cultural values, while allowing for compatible activities and essential public infrastructure where appropriate. Any works undertaken within a

State Reserve must align with these management objectives and require the consent of the land manager, the Tasmanian Parks and Wildlife Service (PWS), acting on behalf of the Crown.

As the proposed telecommunications upgrade is located within Mount Pearson State Reserve, it is not exempt from authority approval under the Act. Accordingly, this planning permit application requires the consent of the land manager prior to commencement of any upgrade works.

4 Assessment of Application

4.1 Statutory Controls

4.1.1 Environmental Management Zone

Under the *Tasmanian Planning Scheme*, the subject site at Reids Road, Binalong Bay and its surrounds, is within an Environmental Management Zone.

Figure 14: Zoning Map – (Source: LISTmap)

As highlighted in **Figure 14** above, the subject site is within an Environmental Management Zone and the 'Utilities' use class is regarded as being discretionary as per the part 23.2 Use Table of the *Tasmanian Planning Scheme*. The proposed works can be classified as a 'Utilities' use class as Table 6.2 of the *Tasmanian Planning Scheme* lists 'telecommunications' as an applicable infrastructure.

The below table is an assessment against the *Tasmanian Planning Scheme's* part 28.3 Use Standards.

Table 5: Assessment against Part 23.3.1 Discretionary uses

23.3.1 Discretionary uses		
Objective That uses listed as Discretionary recognise and reflect the relevant values of the reserved land.		
Acceptable Solutions	**Performance Criteria**	**Response**
A1 No Acceptable Solution.	**A1** A use listed as Discretionary must be consistent with the values of the land, having regard to: (a) the significance of the ecological, scientific, cultural or scenic values; (b) the protection, conservation, and management of the values; (c) the specific requirements of the use to operate; (d) the location, intensity and scale of the use; (e) the characteristics and type of the use; (f) traffic and parking generation; (g) any emissions and waste produced by the use; (h) the measures to minimise or mitigate impacts; (i) the storage and handling of goods, materials and waste; and (j) the proximity of any sensitive uses.	**P1** Compliant (a) All works are confined to the existing monopole and fenced compound, with no vegetation removal or ground disturbance. The upgrade does not alter the footprint or meaningfully change the visual profile, ensuring the reserve's ecological and scenic values remain unaffected. (b) By remaining fully within an already-disturbed utility site, the works avoid encroachment into undisturbed reserve areas. The proposal maintains the existing protection and management of surrounding values. (c) Telecommunications infrastructure requires elevated, strategic locations. Upgrading the existing monopole meets these operational needs without introducing new disturbance or the need for alternative sites. (d) The upgrade does not increase the facility's intensity or scale. All works occur on existing structures, with no enlargement of the compound or additional ongoing activity. (e) The proposal is for upgrade works typical of an established utility. No new uses or incompatible activities are introduced. (f) Traffic will be limited to short-term access over upgrade works by a small number of vehicles. Future maintenance visits will continue at current low frequencies. (g) No additional operational emissions will occur. Waste will be minor and removed from site for appropriate disposal. (h) Standard telecommunications installation controls will be applied. Using existing infrastructure inherently minimises impacts by avoiding new ground disturbance. (i) All materials and waste will be contained within the existing compound and removed upon completion. No hazardous materials will be stored on site. (j) The site is relative remote with no nearby sensitive uses. The upgrade will not introduce noise, light or emissions that could affect other land uses.

The below table is an assessment against the *Tasmanian Planning Scheme's* part 23.4 Development Standards for Buildings and Works.

Table 5: Assessment against Part 23.4.1 Development area

23.4.1 Development area		
Objective That the development area is: (a) compatible with the values of the site and surrounding area; and (b) minimises disturbance of the site.		
Acceptable Solutions	**Performance Criteria**	**Response**
A1 The development area must: (a) be not more than 500m²; (b) be in accordance with an authority under the National Parks and Reserve Management Regulations 2019 granted by the Managing Authority or the Nature Conservation Act 2002; or (c)be in accordance with an approval of the Director-General of Lands under the Crown Lands Act 1976.	**P1** The development area must not cause an unreasonable impact on the values of the site and surrounding area, having regard to: (a) the design, siting, scale and type of development; (b) the operation of the use; (c) the impact of the development on the values of the site and surrounding area; (d) the need for the development to be located on the site; (e) how any significant values are managed; and (f) any protection, conservation, remediation or mitigation works.	**P1** Compliant As this application is for the upgrade of an existing telecommunications site, with works confined to the existing monopole and equipment shelter. There will be no increase to the total ground surface area of this site at present. a) The works are limited to introducing, configuring and removing equipment on the existing monopole within the established compound. No change to the site's footprint or siting will occur, with just a minimal increase in overall physical scale, whilst maintaining the structures same overall height. b) The upgrade does not alter the use or introduce additional activity. The site will continue to operate as a telecommunications facility with infrequent maintenance visits and no increase in noise or traffic levels, marginally increasing just electromagnetic energy emission levels with the introduction of Telstra 5G technologies. c) All works are confined to inside the fenced compound, already disturbed land, ensuring no impact on vegetation, habitat or reserve values as a result of upgrade works. The visual change is very minimal, with new antennas of similar size to the existing antennas. d) The elevated location and existing monopole are essential to maintain reliable telecommunications and emergency service coverage in the region. Upgrading the current telecommunications site avoids the need for new infrastructure elsewhere in the reserve. e) Significant natural and scenic values are protected by confining works to the established compound and using existing infrastructure. No works extend into undisturbed reserve areas. f) Standard installation controls will prevent inadvertent disturbance outside the compound. All waste will be removed from site, and if required, trimming of vegetation lining the dirt access track will be kept to a minimum necessary.

The below table is an assessment against the *Tasmanian Planning Scheme's* part 23.4 Development Standards for Buildings and Works.

Table 5: Assessment against Part 23.4.2 Building height, setback and siting

28.4.1 Building height, setback and siting		
Objective That the design and siting of buildings responds appropriately to the values of the site and surrounding area.		
Acceptable Solutions	**Performance Criteria**	**Response**
A1 Building height must: (a) be not more than 6m; (b) be in accordance with an authority under the National Parks and Reserve Management Regulations 2019 granted by the Managing Authority or Nature Conservation Act 2002; or (c)be in accordance with an approval of the Director-General of Lands under the *Crown Lands Act 1976*.	**P1** Building height must be compatible with the values of the site and surrounding area, having regard to: (a) the bulk and form of proposed buildings; (b) the height, bulk and form of existing buildings; (c) the topography of the site; (d) the appearance when viewed from roads and public places; and (e) the character of the surrounding area.	**A1 & P1** N/A Telstra's upgrade to an existing telecommunications site does not introduce a new building or structure, let alone increase the overall height of the existing monopole structure.
A2 Buildings must have a setback from all boundaries: (a) not less than 10m; (b) not less than the existing building for an extension; (c) in accordance with an authority under the National Parks and Reserve Management Regulations 2019 granted by the Managing Authority and/or Nature Conservation Act 2002; or (d) be in accordance with an approval of the Director-General of Lands under the Crown Lands Act 1976.	**P2** Buildings must be sited to be compatible with the values of the site and surrounding area, having regard to: (a) the bulk and form of proposed buildings; (b) the height, bulk and form of existing buildings; (c) the topography of the site; (d) the appearance when viewed from roads and public places; (e) the retention of vegetation; (f) the safety of road users; and (g) the character of the surrounding area.	**A2 & P2** N/A Telstra's upgrade to an existing telecommunications site does not introduce a new building or structure. The upgrade will not alter the present siting of the existing fenced compound, monopole and shelter.
A3 Buildings for a sensitive use must be separated from an adjoining Rural Zone or Agriculture Zone: (a) not less than 200m; or (b) where an existing building for a sensitive use on the site is within 200m of that boundary, not less than the existing building.	**P3** Buildings for a sensitive use must be sited to not conflict or interfere with an agricultural use in the Rural Zone or Agriculture Zone, having regard to: (a) the size, shape and topography of the site; (b) the prevailing setbacks of any existing buildings for sensitive uses on adjoining properties; (c) the existing and potential use of land in the adjoining zone; and (d) any proposed attenuation measures.	**A3 & P3** N/A Telstra's upgrade to an existing telecommunications site does not introduce a new building or structure. The subject site does not adjoin a Rural Zone or Agriculture Zone.

Table 5: Assessment against Part 23.4.3 Exterior finish

23.4.3 Exterior finish		
Objective That exterior finishes are not prominent and blend with the character of the site and surrounding area.		
Acceptable Solutions	**Performance Criteria**	**Response**
A1 Exterior building finishes must: (a) be coloured using colours with a light reflectance value not more than 40% in dark natural tones of grey, green or brown; (b) be in accordance with an authority under National Parks and Reserve Management Regulations 2019 granted by the Managing Authority or the Nature Conservation Act 2002; or (c)be in accordance with an approval of the Director-General of Lands under the Crown Lands Act 1976.	**P1** Exterior building finishes must be compatible with the character of the site and surrounding area, having regard to: (a) the topography of the site; (b) the existing vegetation; (c) the dominant colours of the vegetation and surrounding area; (d) the nature of the development; (e) the nature of the exterior finishes; (f) the appearance when viewed from roads and public places; and (g) the character of the surrounding area.	**A1 & P1** Compliant Telstra's upgrade to an existing telecommunications site does not introduce a new building or structure. The upgrade does not alter the existing structures external colour. The proposed antennas and ancillary equipment will utilised standard muted, neutral colours akin to those used for the existing facilities.

Table 5: Assessment against Part 23.4.4 Vegetation management

23.4.4 Vegetation management		
Objective That the site contributes to the values of the surrounding area by restricting vegetation removal.		
Acceptable Solutions	**Performance Criteria**	**Response**
A1 Building and works must: (a) be located on land where the native vegetation cover has been lawfully removed; or (b) be in accordance with an authority under *National Parks and Reserve Management Regulations 2019* granted by the Managing Authority or the *Nature Conservation Act 2002*.	**P1** Building and works must be located to minimise native vegetation removal and the impact on values of the site and surrounding area, having regard to: (a) the extent of native vegetation to be removed; (b) any proposed remedial, mitigation or revegetation measures; (c) provision for native habitat for native fauna; (d) the management and treatment of the balance of the site or native vegetation areas; and (e) the type, size and design of development.	**P1** Compliant Upgrade works will be confined to the existing fenced compound cleared of vegetation. (a) No native vegetation is proposed for removal. If necessary for site access, trimming of vegetation lining the dirt access track will be kept to a minimum. (b) As no vegetation removal is proposed, no remedial or revegetation works are incorporated as part of this upgrade. Standard environmental controls will ensure vegetation outside the compound is protected during upgrade works. (c) The upgrade does not affect habitat, as there are no proposed changes to the vegetation profile of the site and surrounding reserve areas. No ground disturbance or canopy removal is proposed. (d) The balance of the reserve, including all native vegetation areas outside the compound, will remain undisturbed and continue to be managed under existing Parks and Wildlife Service practices. (e) The development involves a moderate upgrade to an existing telecommunications site with no increase in surface area footprint or ground disturbance. The design avoids all native vegetation and has been physically minimised as much as necessary to achieve Telstra's 5G coverage objectives for this project.

4.1.2 C5.0 Telecommunications Code

The Telecommunications Code is contained in Clause 5.0 of the *Tasmanian Planning Scheme*. This Code applies to the development of telecommunications facilities and contains the development standards for telecommunications infrastructure, such as the upgrade proposed, which meets the clause 5.3.1 definitions for the terms 'facilities'.

The purpose of the Code is to:

(a) 'To provide for telecommunication networks as a service for the community.

(b) To ensure that facilities are co-located where practicable.

(c) To ensure that facilities use mitigation measures to avoid an unreasonable loss of visual amenity.'

The tables below assess the proposed facility against the Development Standards of the Telecommunications Code.

Table 5: Assessment against C5.6.1 Visual amenity of the Telecommunications Code

C5.6.1 Visual amenity		
Objective That facilities do not cause an unreasonable loss of visual amenity.		
Acceptable Solutions	**Performance Criteria**	**Response**
A1 No Acceptable Solution.	**P1.1** Facilities located within existing utility corridors or on sites with existing facilities, must not cause an unreasonable loss of visual amenity, having regard to: (a) the siting and design of facilities; (b) best practice methods to: (i) reduce the visual impact of facilities; or (ii) conceal facilities within the surrounding natural or built environment; (c) the need to minimise clearing of vegetation; and (d) functional and safety requirements to establish, operate and maintain facilities. **P1.2** Facilities not located within existing utility corridors or on sites with existing facilities, must not cause an unreasonable loss of visual amenity, having regard to: (a) the need to locate the facility outside existing utility corridors or on a site with an existing facility; (b) the siting and design of facilities; (c) best practice methods to: (i) reduce the visual impact of facilities; or (ii) conceal facilities within the surrounding natural or built environment; (d) the need to minimise clearing of vegetation; and (e) functional and safety requirements to establish, operate and maintain the facilities.	**P1.1** Compliant (a) The proposal is confined to an existing fenced telecommunications compound and structure. New Telstra panel antennas will be of similar physical dimensions and external appearance as the existing Optus panel antennas and the new Telstra panel antennas will be mounted at a similar height as their existing omni antennas proposed for removal. These measures will result in no meaningful change to the visual appearance of the telecommunications structure. b) (i) Further efforts have been applied to soften the visual impact of the facilities, with the application of muted, dull colours for the antennas, with shelter works internal, proposed feeder cables confined inside the existing monopole and other ancillary equipment also installed behind the panel antennas to minimise their visibility from those passing. (ii) The proposed panel antennas will not be the elevated higher than the existing structures dipole component, ensuring much of the surrounding dense and tall vegetation over undulating terrain continues to significantly conceal the telecommunications structure from public views. (c) No vegetation clearing is proposed. If required, trimming of vegetation lining the access track will be kept to a minimum necessary to facilitate access. (d) Once in operation, the facilities will adhere diligently with the ARPANSA safety standards with EME emissions from the panel antennas far below the maximum allowable limit. Please see **Section 4.2.6** of this report for more information regarding EME healthy and safety and see **Section 4.2.7** for further details regarding upgrade works. Safety hazard and warning signage

		will be displayed in accordance with regulatory requirements.
A2 Building height of freestanding towers must be not more than: (a) 30m in the Rural Living Zone, General Business Zone, Central Business Zone, Commercial Zone, General Industrial Zone, Rural Zone, Agriculture Zone, Landscape Conservation Zone, Environmental Management Zone, Major Tourism Zone, Port and Marine Zone, or Utilities Zone; (b) 20m in the General Residential Zone, Inner Residential Zone, Low Density Residential Zone, Village Zone, Urban Mixed Use Zone, Local Business Zone, Light Industrial Zone, Community Purpose Zone, Environmental Management Zone, Open Space Zone, Future Urban Zone and a particular purpose zone.	**P2** The height of freestanding towers must not cause an unreasonable visual impact on vistas to significant public buildings, streetscapes and land reserved for, or designated in this planning scheme for, natural or scenic values, having regard to: (a) the topography and predominant height of existing buildings or vegetation in the surrounding area; (b) best practice methods to reduce visual impact; (c) functional and safety requirements to establish, operate and maintain the facility; (d) the siting and design of the facility; and (e) the necessity or critical role of the facility within the telecommunications network.	**P2** Compliant Telstra's upgrade to an existing telecommunications site with a 30m monopole within an Environmental Management Zone does not introduce a new building or structure, let alone increase the overall height (including existing dipole component) of the existing monopole structure. a) The upgrade does not increase the overall structure height of the tower. The tower is already absorbed within the surrounding vegetation and topography, and the works will not alter its existing visual profile. b) Best-practice visual mitigation is achieved by re-using the existing structure, keeping all equipment within the current height envelope, and using dull, muted external colours to minimise visual contrast. c) The proposed antenna positions reflect functional and safety requirements for network performance. Retaining existing heights ensures safe operation while minimising additional visual impact. d) All works are confined to the existing fenced compound and monopole. The placement and overall design of the facilities, ensures the telecommunications site as a whole will remain largely unchanged, with minimal increase in overall scale and bulk, with no increase to overall height. e) The upgrade is essential to introduce 5G coverage and maintain and improve telecommunications coverage in the region, relieving capacity too from other nearest telecommunications sites. Upgrading the existing tower avoids the need for a new freestanding facility and therefore minimises landscape impact.

4.1.3 C7.0 Natural Assets Code

The Natural Assets Code is contained in Clause 7.0 of the *Tasmanian Planning Scheme*.

The purpose of the Natural Assets Code is:

- *To minimise impacts on water quality, natural assets including native riparian vegetation, river condition and the natural ecological function of watercourses, wetlands and lakes.*

- *To minimise impacts on coastal and foreshore assets, native littoral vegetation, natural coastal processes and the natural ecological function of the coast.*
- *To protect vulnerable coastal areas to enable natural processes to continue to occur, including the landward transgression of sand dunes, wetlands, saltmarshes and other sensitive coastal habitats due to sea-level rise.*
- *To minimise impacts on identified priority vegetation.*
- *To manage impacts on threatened fauna species by minimising clearance of significant habitat*

As per the LISTMap website, the proposed Telstra upgrade will occur at a site which intersects with a priority vegetation overlay.

As the upgrade works do not relate to a subdivision and are not occurring in proximity with a future coastal refugia area or a waterway and coastal protection area, part C7.6.1 and C7.7.1 of the code will be excluded from assessment.

Table 5: Assessment against C7.6.2 Clearance within a priority vegetation area of the Natural Assets Code

<table>
<tr><td colspan="3">C7.6.2 Clearance within a priority vegetation area</td></tr>
<tr><td colspan="3">Objective
That clearance of native vegetation within a priority vegetation area:

(a) does not result in unreasonable loss of priority vegetation;
(b) is appropriately managed to adequately protect identified priority vegetation; and
(c) minimises and appropriately manages impacts from construction and development activities.</td></tr>
<tr><td>Acceptable Solutions</td><td>Performance Criteria</td><td>Response</td></tr>
<tr><td>A1
Clearance of native vegetation within a priority vegetation area must be within a building area on a sealed plan approved under this planning scheme.</td><td>P1.1
Clearance of native vegetation within a priority vegetation area must be for:

(a) an existing use on the site, provided any clearance is contained within the minimum area necessary to be cleared to provide adequate bushfire protection, as recommended by the Tasmania Fire Service or an accredited person;
(b) buildings and works associated with the construction of a single dwelling or an associated outbuilding;
(c) subdivision in the General Residential Zone or Low Density Residential Zone;
(d) use or development that will result in significant long term social and economic benefits and there is no feasible alternative location or design;
(e) clearance of native vegetation where it is demonstrated that on-going pre-existing management cannot ensure the survival of the priority vegetation and there is little potential for long-term persistence; or
(f) the clearance of native vegetation that is of limited scale relative to the extent of priority vegetation on the site.

P1.2
Clearance of native vegetation within a priority vegetation area must minimise adverse impacts on priority vegetation, having regard to:

(a) the design and location of buildings and works and any constraints such as topography or land hazards;
(b) any particular requirements for the buildings and works;
(c) minimising impacts resulting from bushfire hazard management measures</td><td>A1 & P1.1 N/A

Upgrade works will be confined to the existing fenced compound already cleared of vegetation. No native vegetation is proposed for removal as part of this project. If necessary, to facilitate access, native vegetation along the dirt access track may be trimmed.</td></tr>
</table>

	through siting and fire-resistant design of habitable buildings; (d) any mitigation measures implemented to minimise the residual impacts on priority vegetation; (e) any on-site biodiversity offsets; and (f) any existing cleared areas on the site.	

4.1.4 C13.0 Bushfire-Prone Areas Code

The Bushfire-Prone Areas Code is contained in Clause 13.0 of the *Tasmanian Planning Scheme*.

The purpose of the Code is to:

- *'To ensure that use and development is appropriately designed, located, serviced, and constructed, to reduce the risk to human life and property, and the cost to the community, caused by bushfires.'*

When taking into consideration the clause 13.2.1 regarding the application of this code, the existing telecommunications site is neither considered to meet the codes definition of harboring either 'vulnerable' or 'hazardous' uses, as the existing facility and proposed upgrade is neither centered on housing, health or educational related uses and will not store any hazardous materials or chemicals. The upgrade is however within a bushfire-prone area, though also does not relate to a subdivision of land.

As such, whilst the upgrade doesn't meet the specified use and development exemptions from this code under C13.4, an assessment against the C13.5 Use Standards and C13.6 Development Standards for Subdivision is considered to be not applicable for the above reasons.

Noting that the existing base station is unmanned and uninhabitable, the upgrade will reduce bushfire risk in the immediate area. Telstra will continue to utilise pre-fabricated, non-combustible materials for the new equipment, which will not be located any closer to vegetation than the existing installations. The provision of 5G services will also better support emergency service response capabilities in the area. In addition, the upgrade provides Telstra with an opportunity to inspect the compound and access track and undertake works necessary to maintain or improve safe access to the site.

4.2 Other Planning Considerations

4.2.1 Maintenance

Following the upgrade, routine maintenance checks will continue at a maximum of 2-4 times a year or as required in an electricity outage or similar event.

4.2.2 Access

Access to the facility will in most cases be undertaken in a standard 4WD motor vehicle via the existing dirt access track off Reids Road.

4.2.3 Utilities

The site has existing power and fibre available on the land.

4.2.4 Management of Weeds

During the upgade, Telstra and its contractors will:

- Ensure machinery and vehicles working on site have been washed down prior to entering the property;
- Use materials sourced from sites known to be free from declared weeds.

4.2.5 Noise

Upgrade works will generate very little noise, as there are no ground disturbance works proposed and noise levels will be in accordance with relevant guidelines for construction site noise as per State Environment Protection Policies.

The only noise emitted by the facility in its current and future state is associated with an air conditioning unit attached to the equipment shelter which emits a noise level similar to that of, or less than, a domestic air conditioner.

Operation of the base station will not generate any odour emissions, or solid waste, nor discharge any liquid waste.

4.2.6 EME and Health Standards

Telstra places very high importance on electromagnetic energy (EME) safety. We rely on national and international experts such as the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) and the World Health Organisation (WHO) in relation to guidance on base stations and health. It is the responsibility of these expert authorities to continually review the science on EME and to protect public safety. ARPANSA is the Federal Government agency charged with responsibility for protecting the health and safety of people, and the environment, from all sources of Radio Frequency (RF) EME.

It is Telstra's responsibility to comply with the mandated standard for RF EME set down by ARPANSA, which is the safety standard recommended by the WHO. The safety standard known as RPS S-1 or the Standard for Limiting Exposure to Radiofrequency Fields – 100 kHz to 300 GHz, was prepared by the ARPANSA and is based on the safety guidelines recommended by the International Commission on Non-Ionising Radiation Protection (ICNIRP), an Agency that advises the World Health Organization (WHO) on EME safety.

With regards to 5G technologies, we can advise that 5G wireless networks are designed to be very efficient and minimize EME. This means that both the network and device power will be low, which means low levels of EME on 5G. The frequencies and power levels Telstra are using today for 5G are similar to 3G and 4G.

In terms of EME safety standards, the current Australian and international EME human exposure guidelines also apply to 5G. In relation to the proposed Telstra upgrade at Reids Road, Binalong Bay, a summary of the estimated EME levels around the proposed facility in the form of an "Environmental EME Report" has been included in the planning submission (refer **Appendix C**).

The Environmental EME Report shows that the maximum cumulative EME level from the proposed facility would be 1.29% of the ARPANSA exposure limit (the ARPANSA Standard public exposure limit is represented as 100%). This is well below the permissible levels.

4.2.7 Design and Upgrade

The facility is designed and certified by qualified engineers. The design of the installation will be carried out in accordance with all relevant current Australian Standards, State Environment Protection Policies and under best practice environmental management guidelines.

During the upgrade there will be approximately 1-2 light vehicles and an EWP required on site. All upgrade activities will be carried out in compliance with relevant regulations and Council requirements within the shortest possible timeframe to minimise disruption as much as practicable. Timing of the works will be coordinated with Council for traffic management purposes as is deemed necessary.

4.2.8 Effect on Other Transmission Frequencies

The current base transceiver station operates at a unique frequency allocated by the Federal Government. In addition, the facility operates on a low power output. This will also be the case for the new panel antennas. As a result its operation will not have any effect on the operation of any other transmission frequencies including AM/FM radio, amateur radio, television, satellite, sky channel, CB, or any emergency service frequency.

4.2.9 Redundant Facilities and Rehabilitation

Telstra has a policy of removal of facilities and rectification and reinstatement of sites when they become redundant. All upgrade works and associated minimal clean up works will be carried out to ensure that the site is left in a similar condition prior to the upgrade.

5 Conclusion

This report provides the necessary information to support the planning application for a Telstra upgrade of an existing telecommunications site at Reids Road, Binalong Bay.

A detailed assessment of the proposed upgrade has been undertaken with a view to ensuring that it complies with relevant Commonwealth, State and Local planning policies as applicable.

It is submitted that the upgrade will not conflict with surrounding land uses, nor will it decrease the general amenity of the area or have a detrimental impact on the local environment.

The upgrade is compliant with the *Tasmanian Planning Scheme* controls and Telecommunications Code and will assist Telstra in its commitment to ensuring that telecommunications infrastructure and services are provided in an efficient and cost-effective manner to meet community needs, whilst having a minimal impact on the amenity of any given area.

Approval of this facility is consistent with:

- The discretionary elements of the *Tasmanian Planning Scheme* concerning the subject land and upgrade;
- The general zoning of the land;
- Maintaining the general amenity of the area;
- Protecting the environmental characteristics of the locality;
- Complying with the Australian Standard Radiation Protection Series S-1 Standard for Limiting Exposure to Radiofrequency Fields – 100 kHz to 300 GHz published by the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) in 2021; and
- Improving and maintaining the quality of mobile telecommunications services in the Binalong Bay area.

The proposal, which supports the delivery of and access to important, contemporary and reliable telecommunications network services for Binalong Bay, will moreover have important local and regional benefits and is consistent with current State planning directives and regional planning initiatives to improve strategic planning for Tasmania.

It is therefore submitted that the proposal is both consistent and compliant with the relevant planning legislation and should be supported.

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Appendix A Preliminary Plans

Appendix B Photographs

Appendix C EME Report

DRAWING DESCRIPTION	DRAWING NUMBER	SHEET NO.	ISSUE NO.	ISSUE DATE	DRAWING STATUS				
					CANCELLED	PRELIMINARY	FOR CONSTRUCTION	AS BUILT	REFERENCE ONLY
SITE SPECIFIC NOTES - SHEET 1 OF 3	TX520	S0	5	01/12/25			✓		
SITE SPECIFIC NOTES - SHEET 2 OF 3	TX520	S0-1	3	01/12/25			✓		
SITE SPECIFIC NOTES - SHEET 3 OF 3	TX520	S0-2	1	01/12/25			✓		
SITE LAYOUT AND ACCESS	TX520	S1	9	01/12/25			✓		
ANTENNA LAYOUT	TX520	S1-1	8	01/12/25			✓		
NORTH ELEVATION	TX520	S3	12	01/12/25			✓		
ANTENNA CONFIGURATION TABLE	TX520	S3-1	6	01/12/25			✓		
SITE SPECIFIC NOTES	TX520	S5	1	03/10/07				✓	
SITE SPECIFIC NOTES	TX520	S5-1	1	03/10/07				✓	
ELECTRICAL SPECIFICATION	TX520	E0	3	01/12/25			✓		
EQUIPMENT LAYOUT	TX520	E1	8	01/12/25			✓		
AC POWER - CONNECTION	TX520	E2	1	01/12/25			✓		
DC POWER LINE DIAGRAM	TX520	E4	4	01/12/25			✓		
TAS GRN DC POWER LINE DIAGRAM	TX520	E4-1	3	25/01/23				✓	
GENERATOR SINGLE LINE DIAGRAM	TX520	E4-2	2	13/12/21				✓	
PATHFINDER CHANNEL RACK LAYOUT	TX520	E5	3	01/12/25			✓		
DESIGN & CONSTRUCTION CERTIFICATION	TX520	Z1	2	05/09/15					✓
STRUCTURAL AS BUILT CERTIFICATION	TX520	Z1-3	1	05/09/15				✓	
STRUCTURAL DESIGN CERTIFICATION PROJECT NO. VT15644.01	TX520	Z1-4	1	05/09/15				✓	
STRUCTURAL AS BUILT CERTIFICATION PROJECT NO. VT15644.01	TX520	Z1-5	1	22/10/15				✓	
AS BUILT STRUCTURAL & EME COMPLIANCE PROJECT NO. VT15644.01	TX520	Z1-6	1	26/11/15				✓	
STRUCTURAL DESIGN CERTIFICATION PROJECT NO. 50027928	TX520	Z1-7	1	14/07/21					✓
AS BUILT ENGINEERING & EME COMPLIANCE CERTIFICATION -SITE SHARE -OPTUS - OT5821A	TX520	Z1-8	1	29/07/21					✓
STRUCTURAL DESIGN CERTIFICATION - SITE SHARE -OPTUS - OT5821A	TX520	Z1-9	1	26/07/21					✓
STRUCTURAL ASBUILT CERTIFICATION - SITE SHARE -OPTUS - OT5821A	TX520	Z1-10	1	08/06/20					✓
AS BUILT STRUCTURAL CERTIFICATION PROJECT NO. 50027928	TX520	Z1-11	1	29/09/21				✓	
AS BUILT CONSTRUCTION CERTIFICATION PROJECT NO. 50027928	TX520	Z1-12	1	29/09/21				✓	
AS BUILT STRUCTURAL & EME COMPLIANCE (F04) PROJECT NO. 50027928	TX520	Z1-13	1	28/02/22				✓	
STRUCTURAL DESIGN CERTIFICATION PROJECT NO. VT28658.01	TX520	Z1-14	1	01/12/25			✓		

Telstra

BARETOP HILL

NODE MANAGER ADDRESS ID: 27464

ADDRESS: REIDS ROAD
BINALONG BAY
TAS 7216

ServiceStream

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ORDER	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS
2GD-27464-01	RS	LY	2GDECOMMISSION - 30062968W0001CYI	KSK	DG	27.06.17	11
800088068	RB	BB	PRELIM - 50017928P001 - TASGRN	VZ	ME	07.05.21	12
800088068	ME	KM	FOR CON - 50017928P001A - TASGRN	DN	ME	26.07.21	13
800088068	ME	KM	AS BUILT - 50017928P001A - TASGRN	DN	ME	13.12.21	14
VT28658.01	NS	MA	FC - 80005743WO273SSNC - LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600	AS	MA	01.12.25	15

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MOBILE NETWORK SITE 27464
BARETOP HILL
DRAWING INDEX AND DOCUMENT CONTROL - SHEET 1 OF 2
REIDS ROAD, BINALONG BAY, TAS 7216

DWG NO. TX520 | SHT NO. DC

Cad file: TX520SDC.DWG

DO NOT SCALE

Telstra Networks Wireless program Delivery Template - 017868P02 issue 11.4 XX.XXV.2015

DRAWING DESCRIPTION	DRAWING NUMBER	SHEET NO.	ISSUE NO.	ISSUE DATE	DRAWING STATUS				
					CANCELLED	PRELIMINARY	FOR CONSTRUCTION	AS BUILT	REFERENCE ONLY
REFERENCE DRAWINGS:									
STANDARD CONSTRUCTION NOTES	017866P05	1	3	10/01/23			✓		
20B HORIZONTAL CABLE LADDER GANTRY INSTALLATION STANDARD	017866P51	1	12	16/10/24			✓		
EQUIPMENT ALARM CONFIGURATION	017866P123	1	3	17/01/23			✓		
DC POWER LINE DIAGRAM	017866P124	2	6	07/03/12					✓
POWER SYSTEM INTERCONNECTION DIAGRAM	017866P134	1	3	07/06/11					✓
RRU POWER AND EARTHING SP33-HC POWER SYSTEM & DC-DC CONVERTERS - SINGLE PHASE SITES	017866P134	14	4	25/01/23			✓		
ELECTRICAL SPECIFICATION	017866P160	1	5	03/02/23			✓		
EARTHING STD - DETAILS & CONNECTIONS	017866P200	1	2	15/04/09					✓
EARTHING STD - SHELTER & TOWER	017866P200	16	2	10/07/10					✓
DETAIL & CONNECTION GALVANIZED STEEL BASED	017866P201	1	1	15/03/11					✓
FEEDER EARTHING DETAILS	017866P201	11	3	29/03/23			✓		
ICS SHELTER AND FIT OUT ROOM INTERNAL EARTHING DETAIL	017866P201	13	3	25/09/13					✓
RRU FEEDER EARTHING W&B CABLE	017866P201	23	3	29/03/23			✓		
FOOTING DETAILS	CF-7443	1	1	03/05/95					✓
OMNI EXTENSION	CF-10929	1 & 2	1	11/09/07					✓
HEADFRAME / MOUNTING STEELWORK	T638-200	1	1	13/12/91					✓

Telstra

BARETOP HILL

NODE MANAGER ADDRESS ID: 27464

ADDRESS: REIDS ROAD
BINALONG BAY
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VT28658.01	NS	MA	FC - 80005743WO273SSNC - LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600	AS	MA	01.12.25	1

Telstra

MOBILE NETWORK SITE 27464
BARETOP HILL
DRAWING INDEX AND DOCUMENT CONTROL - SHEET 2 OF 2
REIDS ROAD, BINALONG BAY, TAS 7216

DWG NO. TX520 | SHT NO. DC-1

Cad file: TX520SDC.DWG

A3

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SITE SPECIFIC NOTES

EQUIPMENT SHELTER

TYPE: EXISTING TELSTRA DUGGANS CONCRETE EQUIPMENT ROOM
COLOUR: GREY
FEEDER ENTRY WINDOW: REAR RIGHT SIDE
AIR CONDITIONING CAGE: N/A
REFERENCE DRAWING: SHEET E1

STRUCTURE

TYPE: EXISTING AMPLITEL 30.0m HIGH STEEL MONOPOLE
MODEL NO.: TRANSFIELD M1
COLOUR: GALVANISED FINISH
REFERENCE DRAWING: DRG. T1326-001 ISSUE A

ANTI-CLIMB DEVICE

TYPE: LOCKED COMPOUND FENCING TO THE SITE
FINISH: GALVANIZED FINISH
COLOUR: NATURAL PRODUCT COLOUR
REFERENCE DRAWING: N/A

HEADFRAME

TYPE: EXISTING TELSTRA HEAVY DUTY HEADFRAME
MODEL NO.: N/A
COLOUR: GALVANISED FINISH
REFERENCE DRAWING: DRG. T638-200 SHEET 1

ANTENNA ACCESS

TELSTRA: BY EXISTING STEP PEGS
OTHERS: N/A

ANTENNA MOUNTS

TYPE: EXISTING AND PROPOSED TELSTRA STEEL MOUNTS
COLOUR: GALVANISED FINISH
REFERENCE DRAWING: DRG. T638-200 SHEET 1

5

EARTHING DETAIL

WHEN A GENERIC EARTHING DESIGN IS ISSUED,
REFERENCE DRAWING: XXXXXXX SHEET XXXXX
FOR SITE ELECTRODE DETAIL X x X.
REFER TO 017866a07 EARTHING STANDARDS MANUAL.

ENVIRONMENTAL ISSUES

REFER TO ENVIRONMENTAL RISK ASSESSMENT
PROCEDURE DOCUMENT NUMBER: 018502

POWER SUPPLY

UPGRADED TELSTRA POWER SUPPLY (63A/SINGLE PHASE)
DIAL 1100 BEFORE YOU DIG

PROPERTY SIGNAGE

EXISTING PROPERTY SIGNAGE AS PER DOCUMENT 017866A12. PROPERTY SIGN INCLUDES RFNSA SITE NUMBER. SITE NAME: BRANDED SITE IDENTIFICATION REGULAR (BSr). TELSTRA S/I NUMBER 187/00929. JABAC PART NUMBER TFMS929-M.

SITE ACCESS

VIA REIDS ROAD, BINALONG BAY, TAS 7216
REFER TO SHEET S1 FOR DETAILS.

SITE SIGNAGE

ALL EME SIGNAGE IS REFERENCED ON DRAWINGS S1, S1-1 & S3.
REFER TO DOCUMENT 005486 FOR DETAILS.

GPS RECEIVER SYSTEM

GPS ANTENNA INC. BRACKET PART NO.: KA-7005-1110
SURGE ARRESTOR DEVICE PART NO.: NGC90145
GPS RECEIVER UNIT PART NO.: NCD90141/1
SIGNAL CABLE 2m PART NO.: RPM1136127/2000
RF JUMPER 1.5m -N(m) TO SMA(m) TYPE: TSR951357/1500

5

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SPECIFIED OTHERWISE.
2. CABLES AND ALL ACCESS POINTS ON THE STRUCTURE MUST BE BIRD PROOFED IN ACCORDANCE WITH THE METHODS SPECIFIED IN DOCUMENT NO. 003615 EXTERNAL PLANT STANDARDS FOR MOBILE BASE STATIONS, SECTION 6.3.3.
3. SERVICES, WHERE SHOWN ARE INDICATIVELY ONLY. LOCATION OF ALL RELEVANT EXISTING SERVICES SHALL BE IDENTIFIED AND CONFIRMED PRIOR TO COMMENCING WORK. THE CONTRACTOR TO LIAISE WITH RELEVANT AUTHORITIES FOR DIRECTIONS AND PERMITS REQUIRED.
   DIAL 1100 BEFORE YOU DIG AND LOCATE ALL UNDERGROUND SERVICES PRIOR TO ANY EXCAVATION WORK.
4. FEEDER CONNECTION DETAILS, ELECTRICAL AND MECHANICAL TILTS ARE TO BE OBTAINED FROM CANRAD REPORTS.
5. CONSTRUCTORS ARE TO BE AWARE OF TELSTRA DOCUMENT 007338-C8-11 AND IN PARTICULAR CLAUSE 7.3 & 10.3 WHICH DESCRIBES REQUIREMENTS PERSONNEL MUST UNDERTAKE IN RESPECT TO ASBESTOS MANAGEMENT AT TELSTRA FACILITIES.
6. THE LOCATION AND DEPTH OF ANY EXISTING UNDERGROUND SERVICES SHALL BE PHYSICALLY VERIFIED ON SITE PRIOR TO COMMENCING EXCAVATION (e.g. BY POTHOLING).

SITE REFERENCE DETAILS

OCCUPIER	SITE NAME	SITE CODE
TELSTRA	BARETOP HILL	27464

RFNSA SITE NUMBER - 7216004
STRUCTURE OWNER - AMPLITEL

SERVICES LEGEND

—T—T—T—	OPTIC FIBRE ABOVE GROUND
—T—T—T—	OPTIC FIBRE BELOW GROUND
—E—E—	ABOVE GROUND ELECTRICAL SUPPLY
—E—E—	BELOW GROUND ELECTRICAL SUPPLY
—G—G—	GAS SUPPLY
—HV—HV—	HIGH VOLTAGE ELECTRICAL SUPPLY
—W—W—W—W—W—	WATER SUPPLY
—S—S—S—S—	SEWER LINE
—SW—	STORM WATER
—FE—FE—	ABOVE GROUND FEEDER CABLES
—FE—FE—	BELOW GROUND FEEDER CABLES

X — AX — PROPOSED TELSTRA ANTENNA SECTOR ON SHEET S1-1

SOW LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600 VT28658.01 ISSUE 01 DATED 29/07/2025

NOTE: THIS DRAWING TO BE READ IN CONJUNCTION WITH SHEET S0-1 & S0-2

5 FOR CONSTRUCTION

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

ORDER	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS
VT09510.01	CP	TC	3G850 UPGRADE - 71136795W001TCI	RV	MQ	22.08.11	1
VT09510.01	DL	JG	AS BUILT 3G850 UPGRADE 71303782W001NC	DL	DL	09.08.12	2
VT15644.01	ASL	AU	FOR CONSTRUCTION - XXXXXXXXW0001CYI - LTE700	SF	SF	25.05.15	3
VT15644.01	JG	JG	AS BUILT - 30052489W0001ND - LTE700	JG	JG	21.10.15	4
VT28658.01	NS	MA	FC - 80005743WO273SSNC - LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600	AS	MA	01.12.25	5

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MOBILE NETWORK SITE 27464
BARETOP HILL
SITE SPECIFIC NOTES - SHEET 1 OF 3
REIDS ROAD, BINALONG BAY, TAS 7216

DWG NO. TX520 SHT NO. S0

Cad file: TX520SDC.DWG A3

DO NOT SCALE

Telstra Networks Wireless program Delivery Template - 017866P02 issue 11.4 XX.XXV.2015

EQUIPMENT NOTES - PROJECT NO. VT28658.01

ITEM	EQUIPMENT	EQUIPMENT DETAILS	EXISTING	PROPOSED	TOTAL	REFERENCE DWG
1	AIR CONDITIONER	MITSUBISHI SPLIT SYSTEM 6.3kW	0	1	1	SHEET E1
2	COOLING FAN	SQUARE FAN	1	SPARE	1	SHEET E1
3	ELTEK FLATPACK 2 (PSU)	600 x 600 x 2200mm (W,D,H)	1	-1	0	SHEET E1
4	ELTEK FLATPACK 2 RECTIFIERS	FP2 HE 2.0kW RECTIFIERS	2	-2	0	SHEET E1
5	ELTEK FLATPACK 2 RECTIFIERS	FP2 HE 1.8kW RECTIFIERS	1	-1	0	SHEET E1
6	ELTEK FLATPACK 2 BATTERIES	PWL12V100FT	20	-20	0	SHEET E1
7	VERTIV SP33-HC (PSU)	600 x 600 x 2200mm (W,D,H)	0	1	1	SHEETS E0, E1 & E4
8	VERTIV SP33-HC RECTIFIERS	G3 R48-2000E3 RECTIFIERS	0	4	4	SHEETS E0, E1 & E4
9	VERTIV SP33-HC DC/DC CONVERTERS	C48-1500E3 DC/DC CONVERTERS	0	4	4	SHEETS E0, E1 & E4
10	VERTIV SP33-HC BATTERIES	SBS190F EON, BATTERY RESERVE TIME: 8 HR	0	16	16	SHEETS E0, E1 & E4
11	SP33 PHASE BALANCING KIT	VERTIV 3PH KIT 40015672	0	1	1	SHEETS E1 & E4
12	LOAD RESTRICTION LABEL - PSU	TE/L1004-V 80 x 40mm VINYL	0	13	13	SHEET E4
13	LOAD RESTRICTION LABEL - DB	TE/L1005-V 160 x 80mm VINYL	0	1	1	SHEET E1
14	VERTIV EXTERNAL SURGE PROTECTION DEVICE 12.3 WAY	600 x 200x 600mm (W,D,H) WALL MOUNTED	0	1	1	SHEETS S1, E0 & E1
15	45RU PATHFINDER RACK	600 x 600 x 1800mm (W,D,H)	1	0	1	SHEETS E1 & E5
16	RAPR000BR RADIO 4490 RACK	600 x 600 x 2200mm (W,D,H) AT GD/1/A	0	1	1	SHEETS E1 & E5
17	MISC. RACK	600 x 300 x 2200mm (W,D,H)	1	0	1	SHEET E1
18	MDF RACK	600 x 300 x 2200mm (W,D,H)	1	0	1	SHEET E1
19	FILTER RACK	GD/1/A	1	-1	0	SHEET E1
20	ESC	INSTALLED IN MISC RACK	1	0	1	SHEET E1
21	5G FIBRE PATCH PANEL	TO BE INSTALLED IN 45RU PATHFINDER RACK	0	1	1	SHEET E5
22	ERICSSON DCDU	447 x 254 x 88mm (W,D,H)	0	1	1	SHEETS E1 & E5
23	DC RATED CB25A	25A CB - NFS899003/1025	0	1	1	SHEET E5
24	DC RATED CB10A	10A CB - NFS899003/1010	0	1	1	SHEET E5
25	DC DU CB DUMMIES	NGP90106/1	0	18	18	SHEET E5
26	KEREM - A100	TO BE INSTALLED IN RAPR000BR RADIO RACK	0	1	1	SHEET E5
27	KEREM A100 CB AIRPAX LML 40A 50KA PDP	KT-APX-50KA-MTRS-40A	0	3	3	SHEET E5
28	FIBRE MANAGEMENT TRAY	TO BE INSTALLED IN 45RU PATHFINDER RACK	0	3	3	SHEETS E1 & E5
29	HYBRID MANAGEMENT TRAY	TO BE INSTALLED IN 45RU PATHFINDER RACK	0	3	3	SHEETS E1 & E5
30	ERICSSON RBS2206	TO BE DE-POWERED	1	SPARE	1	SHEET E1
31	ERICSSON RBS3206	TO BE DE-POWERED	1	SPARE	1	SHEET E1
32	ERICSSON RBS6202	500 x 525 x 568mm (W,D,H) SUPPORT TYPE 45RU PATHFINDER RACK	1	SPARE	1	SHEETS E1 & E5
33	ERICSSON RUS 02 B28	RUS 02 B28B	2	DE-POWER	2	SHEETS E1 & E5
34	DUS-41	INSTALLED IN RBS6202	1	-1	0	SHEETS E1 & E5
35	SIU	INSTALLED IN RBS3206	1	-1	0	SHEETS E1 & E5
36	KAELUS COMBINER (700 & 850-900)	DBC0086F1V1-1	1	SPARE	1	SHEETS E1 & E5
37	KAELUS FILTER (WCDMA850)	DBC0044F2V2	1	-1	0	SHEETS E1 & E5
38	KAELUS FILTER (700 & 850-900)	DDF0035F1V1	1	-1	0	SHEETS E1 & E5
39	TOWER MOUNTED AMPLIFIER (LTE700)	KAELUS TMA2094F01V1-1 700MHZ TWIN TMA	1	-1	0	SHEET E1

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

NOTE: THIS DRAWING TO BE READ IN CONJUNCTION WITH SHEET S0 & S0-2

FOR CONSTRUCTION

DO NOT SCALE

ORDER	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS
VT15644.01	ASL	AU	FOR CONSTRUCTION - XXXXXXXXW0001CYI - LTE700	SF	SF	25.05.15	1
VT15644.01	JG	JG	AS BUILT - 30052489W0001ND - LTE700	JG	JG	21.10.15	2
VT28658.01	NS	MA	FC - 80005743WO273SSNC - LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600	AS	MA	01.12.25	3

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MOBILE NETWORK SITE 27464
BARETOP HILL
SITE SPECIFIC NOTES - SHEET 2 OF 3
REIDS ROAD, BINALONG BAY, TAS 7216

DWG NO. TX520 SHT NO. S0-1

Cad file: TX520SDC.DWG 6 A3V

EQUIPMENT NOTES - PROJECT NO. VT28658.01

ITEM	EQUIPMENT	EQUIPMENT DETAILS	EXISTING	PROPOSED	TOTAL	REFERENCE DWG
40	RADIO 4490HP (B26 / B28) (LTE700 / LTE850 / NR850)	397 x 178 x 522mm (W,D,H) NATURAL COLOUR	0	3	3	SHEETS E1 & E5
41	KAELUS IM FILTER (LTE700/NR850)	KA-6035, TO BE INSTALLED IN RAPR0001BR RACK	0	3	3	SHEETS E1 & E5
42	ERICSSON R6471 ROUTER	442 x 250 x 41 (W,D,H)	0	1	1	SHEETS E1 & E5
43	ERICSSON RP6672 DIGITAL UNIT	TO BE INSTALLED IN 45RU PATHFINDER RACK	0	1	1	SHEETS E1 & E5
44	COMMSCOPE TOWER MOUNTED AMPLIFIER (LTE700/NR850)	TMA - E14R00P78	0	6	6	SHEETS S1-1 & S3
45	ERICSSON RADIO4485 (B1/B3/B7)	398 x 145 x 533mm (W,D,H)	0	3	3	SHEETS S1-1 & S3
46	W&B RRU INTERFACE JUNCTION BOX 8P24F	8P24F	0	3	3	SHEETS S1-1 & S3
47	RFS LCF78-50J FEEDERS	50m	2	-2	0	SHEETS S1 & S3
48	RFS LCFS114-50JA FEEDERS	50m	0	12	12	SHEETS S1 & S3
49	W&B HYBRID CABLE 7/8"	55m, 8P24F	0	3	3	SHEETS S1 & S3
50	GPS ANTENNA	ERICSSON GPS KRE 101 2082/1 OMNI Ø68 x 96mm	1	-1	0	SHEETS S1, S3, S3-1 & E1
51	ERICSSON GPS SPLITTER	INSTALLED IN 45RU PATHFINDER RACK	1	-1	0	SHEETS E1 & E5
52	ERICSSON GPS 02 RECEIVER	INSTALLED IN 45RU PATHFINDER RACK	1	-1	0	SHEETS E1 & E5
53	ERICSSON GPS 05 RECEIVER (GRU 05)	TO BE INSTALLED IN 45RU PATHFINDER RACK	0	1	1	SHEETS E1 & E5
54	GPS ANTENNA	GPS ANTENNA INC. BRACKET PART NO: KA-7005-1110	0	1	1	SHEETS S1, S3, S3-1 & E1

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

DO NOT SCALE

NOTE: THIS DRAWING TO BE READ IN CONJUNCTION WITH SHEET S0 & S0-1

FOR CONSTRUCTION

ORDER	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS
VT28658.01	NS	MA	FC - 80005743WO273SSNC - LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600	AS	MA	01.12.25	1

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MOBILE NETWORK SITE 27464
BARETOP HILL
SITE SPECIFIC NOTES - SHEET 3 OF 3
REIDS ROAD, BINALONG BAY, TAS 7216

DWG NO. TX520 SHT NO. S0-2

Cad file: TX520SDC.DWG A3V

TN

EXISTING TELSTRA U/G FIBRE LINK ROUTE (INDICATIVE ONLY)

EXISTING DOUBLE DOOR ACCESS GATE (FOR GENERATOR MAINTENANCE)

EXISTING DIESEL GENERATOR (2100L x 975W x 1409H)

EXISTING CONCRETE PAD (3000L x 2000W x 300H)

EXISTING TELSTRA P6 FIBRE PIT

EXISTING OPTUS ODU CABINETS ON CONCRETE PAD

EXISTING TELSTRA GPS ANTENNA (1 OFF A6) TO BE REPLACED WITH PROPOSED TELSTRA KAELUS KA-7005-1110 (1 OF A200) ON SHELTER ROOF

9

EXISTING TELSTRA RFI LTE-XPOL-002-5G ANTENNA (1 OFF A22) ON STANDARD MOUNT

EXISTING AMPLITEL COMPOUND SECURITY FENCE WITH DOUBLE ACCESS GATE

EXISTING 300W TELSTRA CABLE TRAY TO BE RECOVERED

EXISTING TELSTRA SIGN #6 TO BE REPLACED WITH PROPOSED SIGN #4 #4 AT 1.5m AGL TO MONOPOLE

9

#13 EXISTING SIGN SECURED TO AMPLITEL COMPOUND GATE USING STAINLESS STEEL STRAPS

EXISTING TELSTRA O/H POWER LINE TO POWER POLE NO. #200385

EXISTING SHARED METER PANEL

EXISTING TELSTRA EQUIPMENT SHELTER TO ACCOMMODATE EXISTING AND PROPOSED TELSTRA EQUIPMENT. REFER TO SHEET E1 FOR DETAILS

PROPOSED VERTIV 12.3 WAY EXTERNAL SPD BOX (1 OFF) TO BE INSTALLED ON BELOW FEEDER WINDOW IN WEATHER PROOF ENCLOSURE

PROPOSED HORIZONTAL CABLE TRAY LID TO BE RETOFITTED IN ACCORDANCE WITH STANDARD DRAWING NO. 017866P51 ISSUE 12 DATED 16/10/2024

PROPOSED TELSTRA 450W CABLE TRAY WITH SUPPORT POSTS (9 OFF) TO ACCOMMODATE PROPOSED TELSTRA RFS LCFS114-50JA FEEDER CABLES (12 OFF) AND PROPOSED TELSTRA W&B 7/8" 8P24F HYBRID CABLES (3 OFF). EXISTING TELSTRA RFS LCF78-50J FEEDERS (2 OFF) TO BE RECOVERED

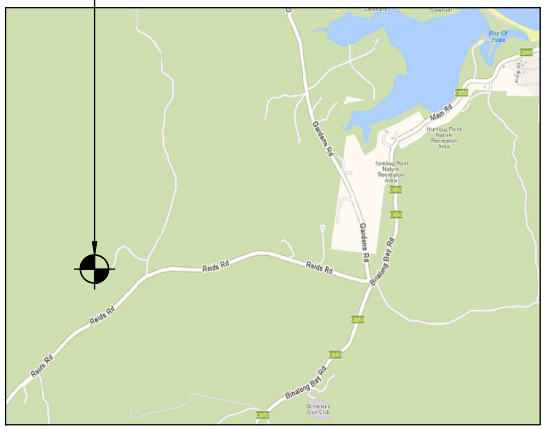
9

EXISTING AMPLITEL MONOPOLE CONCRETE FOOTING

EXISTING AMPLITEL 30.0m HIGH TYPE TRANSFIELD M1 STEEL MONOPOLE

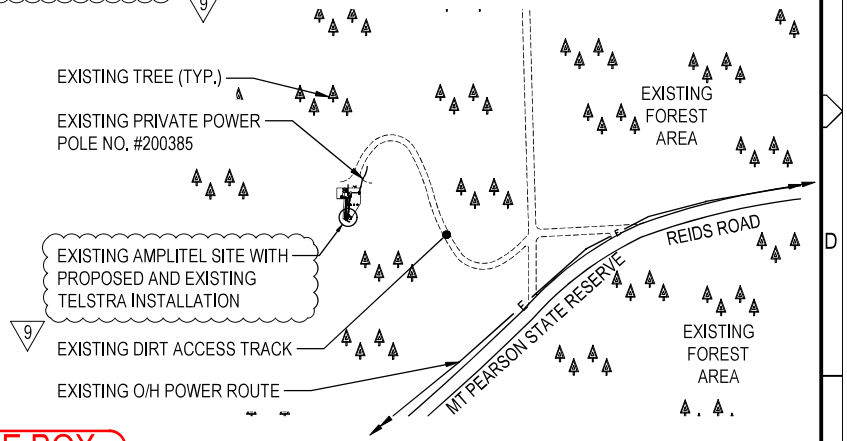
REFER TO SHEET S1-1 FOR TELSTRA ANTENNA LAYOUT

9



LOCALITY PLAN

NOT TO SCALE



NOTES:

1. ALL FEEDER ACCESS POINTS ON THE STRUCTURE MUST BE BIRD PROOFED AS PER EXTERNAL PLANT POLICY 003615.
2. FOR SITE SPECIFIC NOTES REFER TO SHEETS S0, S0-1 & S0-2.
3. FOR EME SIGNS NOTED AS #X REFER TO 005486 FOR DETAILS.
4. #4 PROPOSED EME SIGN TO REPLACE EXISTING #6 SIGN SECURED AT 1.5m AGL TO MONOPOLE.
5. #13 EXISTING SIGN SECURED TO AMPLITEL COMPOUND GATE.

SITE LAYOUT

SCALE 1:200

2m 0 2m 4m 6m 8m 10m SCALE 1:200

SITE ACCESS

SCALE 1:5000

50m 0 50m 100m 150m 200m 250m SCALE 1:5000

COMPLIANCE BOX

COMPLETED AS PER DESIGN ☐

ALTERATIONS IN RED ☐

NAME (PRINT)

SIGNATURE DATE

NOTE: THIS DRAWING TO BE READ IN CONJUNCTION WITH SHEET S1-1

9 FOR CONSTRUCTION

DO NOT SCALE

F

PROPERTY DESCRIPTION

MOUNT PEARSON STATE RESERVE
CROWN LAND
MANAGED BY PARKS AND WILDLIFE TAS
COUNCIL- BREAK O'DAY

SITE STRUCTURE CO-ORDINATES (GDA94) GPS READING ACCURACY: ± 10m CENTRE OF POLE	
LATITUDE	GDA 94 -41.26510
LONGITUDE	GDA 94 148.26797

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ORDER	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS
VT15644.01	JG	JG	AS BUILT - 30052489W0001ND - LTE700	JG	JG	21.10.15	5
800088068	RB	BB	PRELIM 50027928P001 - TASGRN	ME	BB	21.04.21	6
800088068	ME	KM	FOR CON - 50027928P001 - TASGRN	DN	ME	26.07.21	7
800088068	ME	KM	AS BUILT - 50027928P001 - TASGRN	DN	ME	13.12.21	8
VT28658.01	NS	MA	FC - 80005743WO273SSNC - LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600	AS	MA	01.12.25	9

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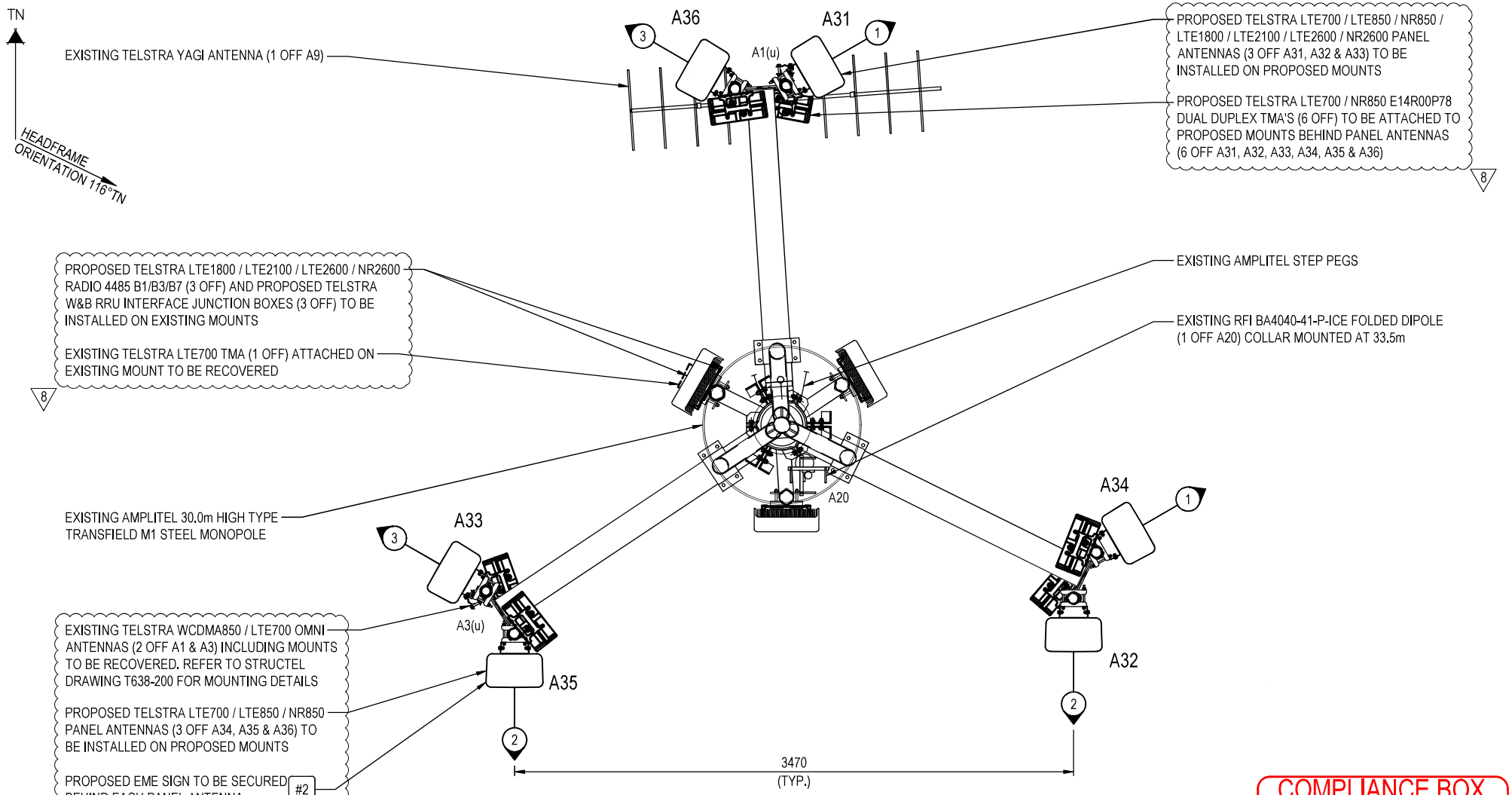
MOBILE NETWORK SITE 27464
BARETOP HILL
SITE LAYOUT AND ACCESS
REIDS ROAD, BINALONG BAY, TAS 7216

DWG NO. TX520 SHT NO. S1

Cad file: TX520SDC.DWG A3



ANTENNA LAYOUT AT EL 31.0m

SCALE 1:25

500 0 500 1000 SCALE 1:25

NOTE: THIS DRAWING TO BE READ IN CONJUNCTION WITH SHEET S1

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

FOR CONSTRUCTION

NOTES:

1. ALL FEEDER ACCESS POINTS ON THE STRUCTURE MUST BE BIRD PROOFED AS PER EXTERNAL PLANT POLICY 003615.
2. FOR SITE SPECIFIC NOTES REFER TO SHEETS S0, S0-1 & S0-2.
3. FOR EME SIGNS NOTED AS #X REFER TO 005486 FOR DETAILS.
4. #2 PROPOSED TELSTRA EME SIGN TO BE SECURED BEHIND EACH ANTENNA.

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ORDER	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS
VT15644.01	JG	JG	AS BUILT - 30052489W0001ND - LTE700	JG	JG	21.10.15	4
800088068	RB	BB	PRELIM IP50027928 - TASGRN	ME	BB	22.04.21	5
800088068	ME	KM	FOR CON - IP50027928 - TASGRN	DN	ME	26.07.21	6
800088068	ME	KM	AS BUILT - IP50027928 - TASGRN	DN	ME	13.12.21	7
VT28658.01	NS	MA	FC - 80005743WO273SSNC - LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600	AS	MA	01.12.25	8

Telstra

MOBILE NETWORK SITE 27464
BARETOP HILL
ANTENNA LAYOUT
REIDS ROAD, BINALONG BAY, TAS 7216

DWG NO. TX520 SHT NO. S1-1

Cad file: TX520SDC.DWG A3

DO NOT SCALE

EXISTING RFI BA4040-41-P-ICE FOLDED DIPOLE (1 OFF A20) COLLAR MOUNTED AT 33.5m

EXISTING TELSTRA WCDMA850 / LTE700 OMNI ANTENNAS (2 OFF A1 & A3) INCLUDING MOUNTS TO BE RECOVERED. REFER TO STRUCTEL DRAWING T638-200 FOR MOUNTING DETAILS

PROPOSED EME SIGN TO BE SECURED BEHIND EACH PANEL ANTENNA #2

PROPOSED TELSTRA LTE700 / LTE850 / NR850 PANEL ANTENNAS (3 OFF A34, A35 & A36) TO BE INSTALLED ON PROPOSED MOUNTS

PROPOSED TELSTRA LTE700 / NR850 E14R00P78 DUAL DUPLEX TMA'S (6 OFF) TO BE ATTACHED TO PROPOSED MOUNTS BEHIND PANEL ANTENNAS (6 OFF A31, A32, A33, A34, A35 & A36)

PROPOSED TELSTRA LTE1800 / LTE2100 / LTE2600 / NR2600 RADIO 4485 B1/B3/B7 (3 OFF) AND PROPOSED TELSTRA W&B RRU INTERFACE JUNCTION BOXES (3 OFF) TO BE INSTALLED ON EXISTING MOUNTS

PROPOSED TELSTRA LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600 PANEL ANTENNAS (3 OFF A31, A32 & A33) TO BE INSTALLED ON PROPOSED MOUNTS

12

E.L. 39.3m (±100mm) R.L. 201.8m AHD
OVERALL HEIGHT

E.L. 33.5m (±100mm) R.L. 196.0m AHD
BASE OF EXISTING RFI BA4040-41-P-ICE FOLDED DIPOLE ARRAY (1 OFF A20)

E.L. 32.2m (±100mm) R.L. 194.7m AHD
BASE OF TELSTRA WCDMA850 / LTE700 OMNI ANTENNAS (2 OFF A1(u) & A3(u)) TO BE RECOVERED

E.L. 31.0m (±100mm) R.L. 193.5m AHD
C/L PROPOSED TELSTRA LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600 PANEL ANTENNAS (3 OFF A31, A32 & A33)
C/L PROPOSED TELSTRA LTE700 / LTE850 / NR850 PANEL ANTENNAS (3 OFF A34, A35 & A36)

E.L. 30.8m (±100mm) R.L. 193.3m AHD
C/L PROPOSED TELSTRA LTE1800 / LTE2100 / LTE2600 / NR2600 RADIO 4485 (B1/B3/B7) (3 OFF)

E.L. 30.7m (±100mm) R.L. 193.2m AHD
C/L PROPOSED TELSTRA LTE700 / NR850 E14R00P78 DUAL DUPLEX TMA'S (3 OFF)

12

E.L. 30.5m (±100mm) R.L. 193.0m AHD
EXISTING TELSTRA HEADFRAME

E.L. 30.3m (±100mm) R.L. 192.8m AHD
C/L PROPOSED TELSTRA LTE700 / NR850 E14R00P78 DUAL DUPLEX TMA'S (3 OFF)

12

E.L. 30.0m (±100mm) R.L. 192.5m AHD
C/L PROPOSED TELSTRA W&B RRU INTERFACE JUNCTION BOXES (3 OFF)
TOP OF EXISTING AMPLITEL MONOPOLE

12

E.L. 28.642m (±100mm) R.L. 191.14m AHD
C/L EXISTING YAGI ANTENNA (1 OFF A9)

E.L. 28.0m (±100mm) R.L. 190.5m AHD
EXISTING Ø600 SOLID PARABOLIC ANTENNA (1 OFF A21)

E.L. 24.5m (±100mm) R.L. 187.0m AHD
C/L EXISTING OPTUS ANTENNAS (4 OFF A16, A17, A18 & A19)

NOTES:

1. ALL FEEDER ACCESS POINTS ON THE STRUCTURE MUST BE BIRD PROOFED AS PER EXTERNAL PLANT POLICY 003615.
2. FOR SITE SPECIFIC NOTES REFER TO SHEETS S0, S0-1 & S0-2.
3. FOR EME SIGNS NOTED AS #X REFER TO 005486 FOR DETAILS.
4. #2 PROPOSED TELSTRA EME SIGN TO BE SECURED BEHIND EACH ANTENNA.
5. #4 PROPOSED EME SIGN TO REPLACE EXISTING #6 SIGN SECURED AT 1.5m AGL TO MONOPOLE.
6. #13 EXISTING SIGN SECURED TO AMPLITEL COMPOUND GATE.

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

EXISTING AMPLITEL 30.0m HIGH TYPE TRANSFIELD M1 STEEL MONOPOLE WITH STEEL JACKET STRENGTHENING TO STRUCTEL DRAWING STD-20573 (NOT SHOWN)

EXISTING AMPLITEL STEP PEGS

PROPOSED TELSTRA RFS LCFS114-50JA FEEDER CABLES (12 OFF) AND PROPOSED TELSTRA W&B 7/8" 8P24F HYBRID CABLES (3 OFF) TO RUN INSIDE EXISTING STEEL MONOPOLE. EXISTING TELSTRA RFS LCF78-50J FEEDERS (2 OFF) TO BE RECOVERED

PROPOSED HORIZONTAL CABLE TRAY LID TO BE RETOFITTED IN ACCORDANCE WITH STANDARD DRAWING NO. 017866P51 ISSUE 12 DATED 16/10/2024

PROPOSED TELSTRA 450W CABLE TRAY WITH SUPPORT POSTS (9 OFF) TO ACCOMMODATE PROPOSED TELSTRA RFS LCFS114-50JA FEEDER CABLES (12 OFF) AND PROPOSED TELSTRA W&B 7/8" 8P24F HYBRID CABLES (3 OFF). EXISTING TELSTRA RFS LCF78-50J FEEDERS (2 OFF) TO BE RECOVERED

#4 EXISTING TELSTRA SIGN #6 TO BE REPLACED WITH PROPOSED SIGN #4 AT 1.5m AGL TO MONOPOLE

EXISTING TELSTRA U/G FIBRE LINK ROUTE (INDICATIVE ONLY) 12

EXISTING AMPLITEL MONOPOLE CONCRETE FOOTING

EXISTING TELSTRA P6 FIBRE PIT

EXISTING DIESEL GENERATOR (2100L x 975W x 1409H)

EXISTING CONCRETE PAD (3000L x 2000W x 300H)

EXISTING AMPLITEL COMPOUND SECURITY FENCE WITH DOUBLE ACCESS GATE

NORTH ELEVATION

SCALE 1:125

2m 0 5m SCALE 1:125

EXISTING TELSTRA GPS ANTENNA (1 OFF A6) TO BE REPLACED WITH PROPOSED TELSTRA KAELUS KA-7005-1110 (1 OF A200) ON SHELTER ROOF

12 EXISTING TELSTRA RFI LTE-XPOL-002-5G ANTENNA (1 OFF A22) ON STANDARD MOUNT

EXISTING TELSTRA EQUIPMENT SHELTER TO ACCOMMODATE EXISTING AND PROPOSED TELSTRA EQUIPMENT. REFER TO SHEET E1 FOR DETAILS

12 EXISTING TELSTRA O/H POWER LINE TO POWER POLE NO. 200385

E.L. 3.5m (±100mm) R.L. 164.5m AHD
BASE OF EXISTING GPS ANTENNA (1 OFF OLD_A6) TO BE RECOVERED
BASE OF PROPOSED TELSTRA KA-7005-1110 OMNI GPS ANTENNA (1 OFF A200)

12

EXISTING SIGN SECURED TO AMPLITEL COMPOUND GATE USING STAINLESS STEEL STRAPS #13

EXISTING SHARED METER PANEL

EXISTING OPTUS U/G POWER ROUTE

E.L. 0.0m
GROUND LEVEL (BASE OF POLE)
(R.L. 162.5m AHD)

E.L. -1.5m
GROUND LEVEL
(R.L. 161.0m AHD)

EXISTING OPTUS ODU CABINETS ON CONCRETE PAD

NOTE: THIS DRAWING TO BE READ IN CONJUNCTION WITH SHEET S3-1

12 FOR CONSTRUCTION

ORDER	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS
VT15644.01	JG	JG	AS BUILT - 30052489W0001ND - LTE700	JG	JG	21.10.15	8
800088068	RB	CSR	PRELIM - 50027928P001 - TASGRN	DN	ME	07.05.21	9
800088068	ME	KM	FOR CON - 50027928P001 - TASGRN	DN	ME	26.07.21	10
800088068	ME	KM	AS BUILT - 50027928P001 - TASGRN	DN	ME	13.12.21	11
VT28658.01	NS	MA	FC - 80005743WO273SSNC - LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600	AS	MA	01.12.25	12

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MOBILE NETWORK SITE 27464
BARETOP HILL
NORTH ELEVATION
REIDS ROAD, BINALONG BAY, TAS 7216

DWG NO. TX520 SHT NO. S3

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Telstra Networks Wireless program Delivery Template - 017866P02 issue 11.4 XX/XX/2015

Cad file: TX520SDC.DWG A3V

TELSTRA MOBILES ANTENNA CONFIGURATION TABLE

ANTENNA No	ANTENNA TYPE & SIZE H x W x D	ANTENNA ACTION REQUIRED	ANTENNA HEIGHT C/L A.G.L.	PHYSICAL ANTENNA BEARING (°T)	SECTOR NO. & TECHNOLOGY
A31	ARGUS RVVPX310.11B-T2H PANEL 2533 x 350 x 208mm	INSTALL	31.0m	60°	S1: LTE700 / LTE850 / NR850
					S1: LTE700 / LTE850 / NR850
					S1: LTE1800 / LTE2100 / LTE2600 / NR2600
					S1: LTE1800 / LTE2100 / LTE2600 / NR2600
					S1: LTE1800 / LTE2100 / LTE2600 / NR2600
					S1: LTE1800 / LTE2100 / LTE2600 / NR2600
A32	ARGUS RVVPX310.11B-T2H PANEL 2533 x 350 x 208mm	INSTALL	31.0m	180°	S2: LTE700 / LTE850 / NR850
					S2: LTE700 / LTE850 / NR850
					S2: LTE1800 / LTE2100 / LTE2600 / NR2600
					S2: LTE1800 / LTE2100 / LTE2600 / NR2600
					S2: LTE1800 / LTE2100 / LTE2600 / NR2600
					S2: LTE1800 / LTE2100 / LTE2600 / NR2600
A33	ARGUS RVVPX310.11B-T2H PANEL 2533 x 350 x 208mm	INSTALL	31.0m	300°	S3: LTE700 / LTE850 / NR850
					S3: LTE700 / LTE850 / NR850
					S3: LTE1800 / LTE2100 / LTE2600 / NR2600
					S3: LTE1800 / LTE2100 / LTE2600 / NR2600
					S3: LTE1800 / LTE2100 / LTE2600 / NR2600
					S3: LTE1800 / LTE2100 / LTE2600 / NR2600
A34	ARGUS RVVPX310.11B-T2H PANEL 2533 x 350 x 208mm	INSTALL	31.0m	60°	S1: LTE700 / LTE850 / NR850
					S1: LTE700 / LTE850 / NR850
					S1: SPARE
					S1: SPARE
					S1: SPARE
					S1: SPARE
A35	ARGUS RVVPX310.11B-T2H PANEL 2533 x 350 x 208mm	INSTALL	31.0m	180°	S2: LTE700 / LTE850 / NR850
					S2: LTE700 / LTE850 / NR850
					S2: SPARE
					S2: SPARE
					S2: SPARE
					S2: SPARE
A36	ARGUS RVVPX310.11B-T2H PANEL 2533 x 350 x 208mm	INSTALL	31.0m	300°	S3: LTE700 / LTE850 / NR850
					S3: LTE700 / LTE850 / NR850
					S3: SPARE
					S3: SPARE
					S3: SPARE
					S3: SPARE

TELSTRA MOBILES ANTENNA CONFIGURATION TABLE

ANTENNA No	ANTENNA TYPE & SIZE H x W x D	ANTENNA ACTION REQUIRED	ANTENNA HEIGHT C/L A.G.L.	PHYSICAL ANTENNA BEARING (°T)	SECTOR NO. & TECHNOLOGY
A200	KAELUS GPS KA-7005-1110 OMNI Ø100 X 72mm	INSTALL	BASE OF GPS 2.0m	0°	TELSTRA GPS ANTENNA
A1	ARGUS UNA008R OMNI Ø56 x 2815mm	RECOVER	33.61m	0°	-
A3	ARGUS UNA008R OMNI Ø56 x 2815mm	RECOVER	33.61m	0°	-
A6	ERICSSON GPS KRE 101 2082/1 OMNI Ø68 x 96mm	RECOVER	BASE OF GPS 3.5m	0°	-

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

NOTE: THIS DRAWING TO BE READ IN CONJUNCTION WITH SHEET S3

FOR CONSTRUCTION

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ORDER	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS
VT09510.01	DL	JG	AS BUILT 3G850 UPGRADE 71303782W001NC	DL	DL	09.08.12	2
VT15644.01	ASL	AU	FOR CONSTRUCTION - XXXXXXXXW0001CYI - LTE700	SF	SF	25.05.15	3
VT15644.01	JG	JG	AS BUILT - 30052489W0001ND - LTE700	JG	JG	21.10.15	4
800088068	RB	BB	PRELIMINARY IP50027928P001 - TASGRN	ME	BB	22.04.21	5
VT28658.01	NS	MA	FC - 80005743WO273SSNC - LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600	AS	MA	01.12.25	6

Telstra

MOBILE NETWORK SITE 27464
BARETOP HILL
ANTENNA CONFIGURATION TABLE
REIDS ROAD, BINALONG BAY, TAS 7216

DWG NO. TX520 SHT NO. S3-1

Cad file: TX520SDC.DWG A3

DO NOT SCALE

Telstra Networks Wireless program Delivery Template - 017868P02 issue 11.4 XX.XXV.2015

TELSTRA ELECTRICAL AND EARTHING SPECIFICATION:

1. GENERAL

ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THIS SPECIFICATION, SHEET E2, TELSTRA CIVIL DESIGN MANUAL, TELSTRA EARTHING MANUAL, AS/NZS 3000, AS/NZS 3008, AS/NZS 3015, AS/NZS 3017, AS/NZS 1768, ALL OTHER RELEVANT AUSTRALIAN STANDARDS, AND TAS NETWORKS SERVICE AND INSTALLATION RULES. LATEST EDITION WITH AMENDMENTS AT TIME OF CONSTRUCTION IS TO APPLY.
ALL CABLE LENGTHS SHOWN ARE APPROXIMATE ONLY AND SHOULD BE VERIFIED ON SITE. THESE CABLE LENGTHS ARE NOT TO BE RELIED UPON FOR ORDERING OR ESTIMATION PURPOSES.
CONTRACTOR SHALL MAKE THEMSELVES AWARE OF ALL SERVICES PRESENT ON SITE, SITE CONDITIONS AND SAFETY REQUIREMENTS PRIOR TO COMMENCING WORK ON SITE.

2. AC SUPPLY

UPGRADED 63A SINGLE PHASE TELSTRA POWER SUPPLY. BASED ON AVAILABLE INFORMATION (PHOTOS, FEASIBILITY REPORT AND AS BUILT DRAWINGS) THE EXISTING SITE ELECTRICAL INSTALLATION HAS BEEN ASSESSED AND IS EXPECTED TO BE SUFFICIENT TO SUPPORT THE PROPOSED CHANGES DETAILED IN THE SOW AT THE TIME OF REVIEW.
INSTALL AT EXISTING SITE GMP:

- PROPOSED 63A 1P TYPE C MCB TELSTRA MAIN SWITCH

INSTALL AT EXISTING TELSTRA SHELTER EXTERNAL DB:

- PROPOSED 50A 3P TYPE C MCB GENERATOR MAIN SWITCH
- PROPOSED 50A 5 PIN GEN SOCKET

3. AIR CONDITIONING

THE PROPOSED WORKS WILL RESULT IN A TOTAL MOBILES HEAT LOAD OF 3.62kW.
INSTALL PROPOSED 6.3kW SPLIT SYSTEM AIRCON (1 OFF). EXISTING EXHAUST FAN TO BE DISCONNECTED AND LEFT IN SITU.

4. DC POWER SYSTEM

THE PROPOSED WORKS WILL RESULT IN A TOTAL MOBILES DC LOAD OF 4.728kW OR 87A @ 54.5V.
REPLACE EXISTING ELTEK FP2 PSU (1 OFF) AT GD/2/A WITH PROPOSED VERTIV SP33-HC PSU (1 OFF) WITH:

- R48-2000E3 RECTIFIERS (4 x PROPOSED)
- C48-1500E3 DC/DC CONVERTERS (4 x PROPOSED)
- SBS190F BATTERY STRINGS (4 x PROPOSED)

BATTERY RESERVE TIME IS 8 HRS. REFER TO SHEET E4.
TELSTRA MOBILE HARDWARE EXEMPTION APPROVED TO REDUCE BATTERY RECHARGE RATE TO 9.03%.
CONTRACTOR IS TO INSTALL LOAD RESTRICTION LABELS FOR THE VERTIV SP33 DC POWER SYSTEM AS DETAILED IN D&C BULLETIN 018845N11. MAX RECTIFIER COUNT IS 4.
PROPOSED SP33-HC PSU PHASE BALANCING KIT (1 OFF). AC LOAD TO BE LIMITED FOR THE UPSTREAM 63A 1P CIRCUIT BREAKER.

5. EQUIPMENT RACKS

CONFIGURE EXISTING 45RU PATHFINDER RACK (1 OFF) AT GD/2/B AND PROPOSED RADIO 4490 RACK (1 OFF) AT GD/1/A FOR FY25_DRAN AUG (G4_AAS). REFER TO SHEET E5.

6. RRU INSTALLATION

PROPOSED RRU'S (3 OFF) ARE TO BE INSTALLED AS SHOWN ON SHEETS S1-1 & S3. REFER TO SHEET S0-1 FOR TYPE AND HYBRID CABLE DETAILS.
INSTALL PROPOSED VERTIV 12.3 WAY EXTERNAL SPD (1 OFF) AT GD/OD/01/1 TO FEED:

- PROPOSED RADIO 4485 B1 B3 B7 (3 OFF): 1 x 40A CB ea
  REFER TO TELSTRA DRAWING 017866P134 SHEET 14 AND TELSTRA DOCUMENT '5G NR3500 FIELD INSTALLATION DOCUMENT'.

7. EARTHING SYSTEM

BOND ALL PROPOSED EQUIPMENT TO THE EXISTING EARTH SYSTEM. ALL EARTHING AND BONDING IS TO BE IN ACCORDANCE WITH THE TELSTRA EARTHING MANUAL 017866A07 AND TELSTRA STANDARD DRAWING 017866P134 SHEET 14. LATEST EDITION WITH AMENDMENTS AT TIME OF CONSTRUCTION IS TO APPLY.
THE TELSTRA CONTRACTOR IS TO ENSURE THAT THERE IS A PERMANENT LABEL ATTACHED TO THE CONNECTION OF THE MAIN ELECTRICAL EARTHING ELECTRODE WITH THE WARNING 'DO NOT DISCONNECT'.

8. GPS

REPLACE EXISTING GPS ANTENNA WITH PROPOSED KAELUS KA-7005-1110 GPS ANTENNA (1 OFF) ON EXISTING MOUNT.

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

NOTE: THIS DRAWING TO BE READ IN CONJUNCTION WITH SHEET E1

FOR CONSTRUCTION

ORDER	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS
VT15644.01	ASL	AU	FOR CONSTRUCTION - XXXXXXXXW0001CYI - LTE700	SF	SF	25.05.15	1
VT15644.01	JG	JG	AS BUILT - 30052489W0001ND - LTE700	JG	JG	21.10.15	2
VT28658.01	NS	MA	FC - 80005743WO273SSNC - LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600	AS	MA	01.12.25	3

ServiceStream
655 Collins Street, Docklands, VIC 3004
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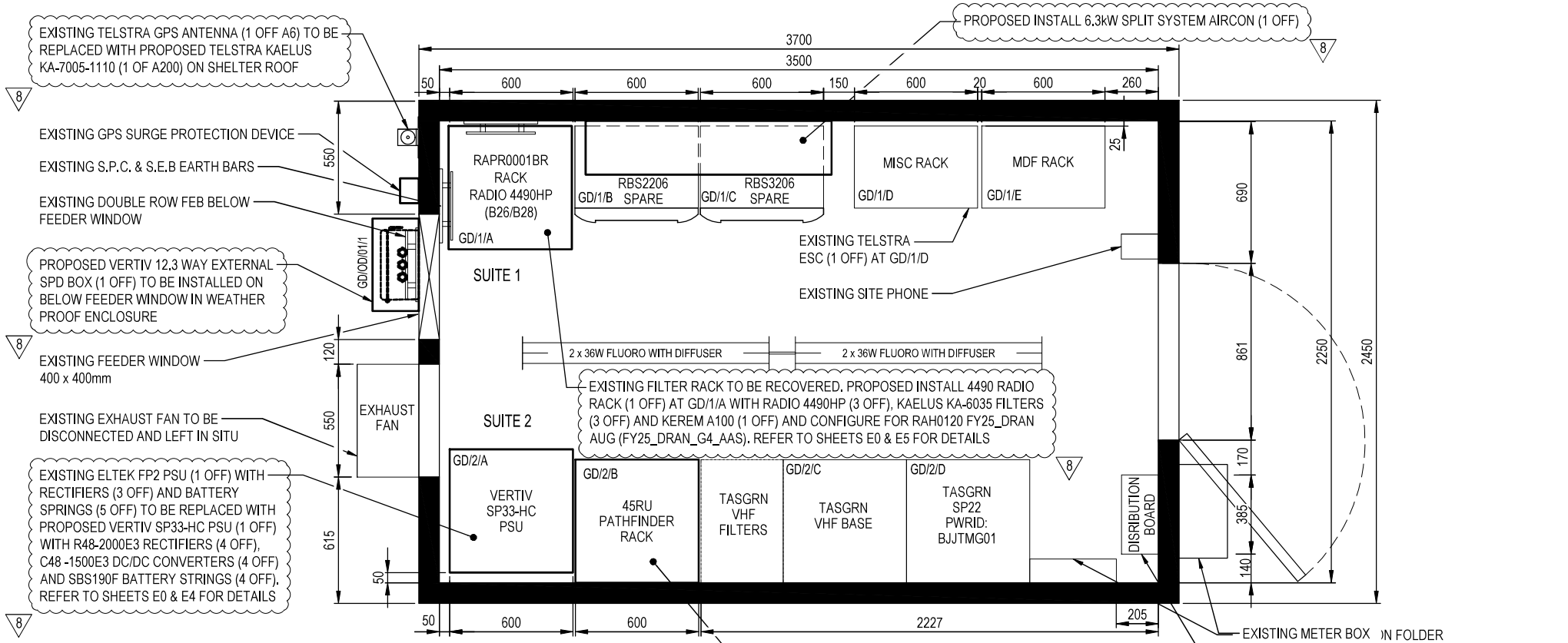
Telstra

MOBILE NETWORK SITE 27464
BARETOP HILL
ELECTRICAL SPECIFICATION
REIDS ROAD, BINALONG BAY, TAS 7216

DWG NO. TX520 SHT NO. E0

Cad file: TX520SDC.DWG A3

DO NOT SCALE



LEGEND

- EXISTING EQUIPMENT
- PROPOSED EQUIPMENT
- RESERVED EQUIPMENT
- LIGHT SWITCH

EXISTING TELSTRA DUGGANS CONCRETE EQUIPMENT ROOM
WIND REGION A3

SCALE 1:20

NOTE: THIS DRAWING TO BE READ IN CONJUNCTION WITH SHEET E0

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

FOR CONSTRUCTION

NOTES:

1. FOR SITE SPECIFIC NOTES REFER TO SHEETS S0, S0-1 & S0-2.
2. MITS POSITIONS IN FORMAT XX/X/X WHERE SHELTER ON GROUND PREFIX GD/1/1 AND SHELTER ON ROOFTOP PREFIX RT/1/1. REFERENCE SP000511 NUMBERING, LABELLING AND DATA ENTRY REQUIREMENTS OF NETWORK INVENTORY.

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ORDER	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS
TBA	KM	ME	FOR CON- TBA -TAS GRN	VZ	ME	16.03.21	4
800088068	ME	KM	FOR CON- 50027928P001A -TAS GRN	DN	ME	26.07.21	5
800088068	ME	KM	AS BUILT- 50027928P001A -TAS GRN	DN	ME	13.12.21	6
800088068	NR	DN	AS BUILT- 50027928P001A -TAS GRN	KSM	DN	25.01.23	7
VT28858.01	NS	MA	FC - 80005743WO273SSNC - LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600	AS	MA	01.12.25	8

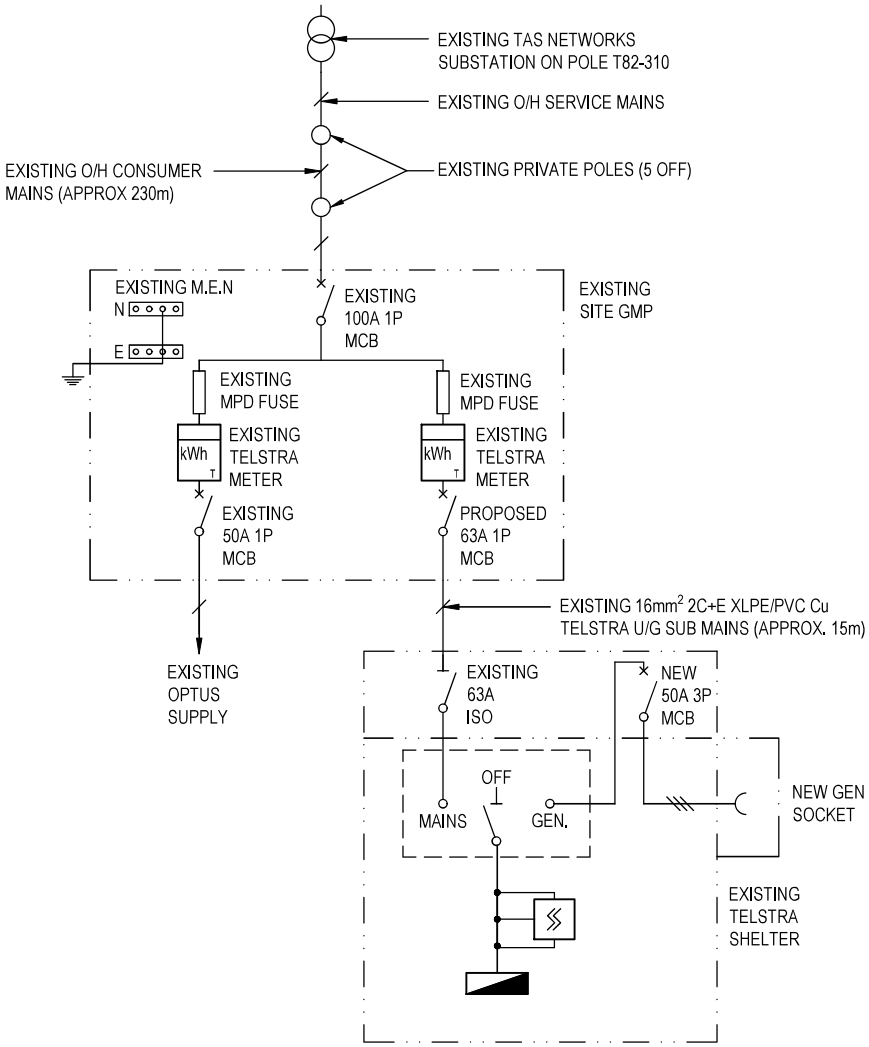
Telstra

MOBILE NETWORK SITE 27464
BARETOP HILL
EQUIPMENT LAYOUT
REIDS ROAD, BINALONG BAY, TAS 7216

DWG NO. TX520 | SHT NO. E1

Cad file: TX520SDC.DWG | A3

DO NOT SCALE



LEGEND:

- kWh T — POLYPHASE METER, T = TELSTRA
- CIRCUIT BREAKER
- ISOLATOR
- DENOTES NO. OF PHASES SINGLE PHASE
- METER FUSES
- TRANSIENT SURGE PROTECTOR ERICO TDX 100
- DISTRIBUTION BOARD
- TRANSFORMER
- MAINS / OFF / GEN. — CHANGE-OVER SWITCH
- GENERATOR INLET SOCKET
- N / E — M.E.N LINK, E = EARTH, N = NEUTRAL

SINGLE LINE DIAGRAM

NTS

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

FOR CONSTRUCTION

DO NOT SCALE

NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH SHEET E0.
2. ALL CABLE LENGTHS SHOWN ARE APPROXIMATE ONLY AND SHOULD BE VERIFIED ON SITE. THESE CABLE LENGTHS ARE NOT TO BE RELIED UPON FOR ORDERING OR ESTIMATION PURPOSES.

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ORDER	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS
VT28658.01	NS	MA	FC - 80005743WO273SSNC - LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600	AS	MA	01.12.25	1

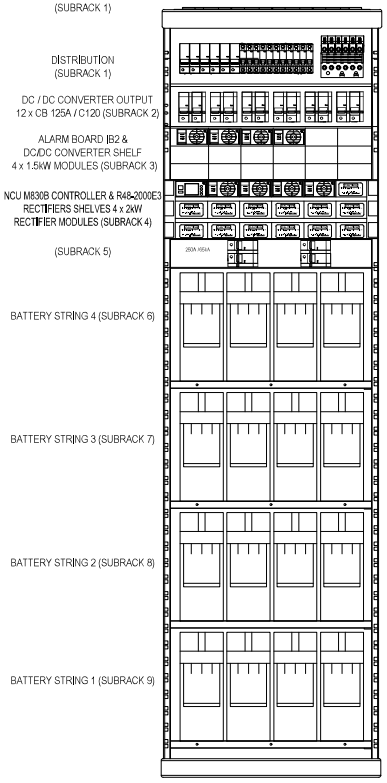
Telstra

MOBILE NETWORK SITE 27464
BARETOP HILL
AC POWER - CONNECTION
REIDS ROAD, BINALONG BAY, TAS 7216

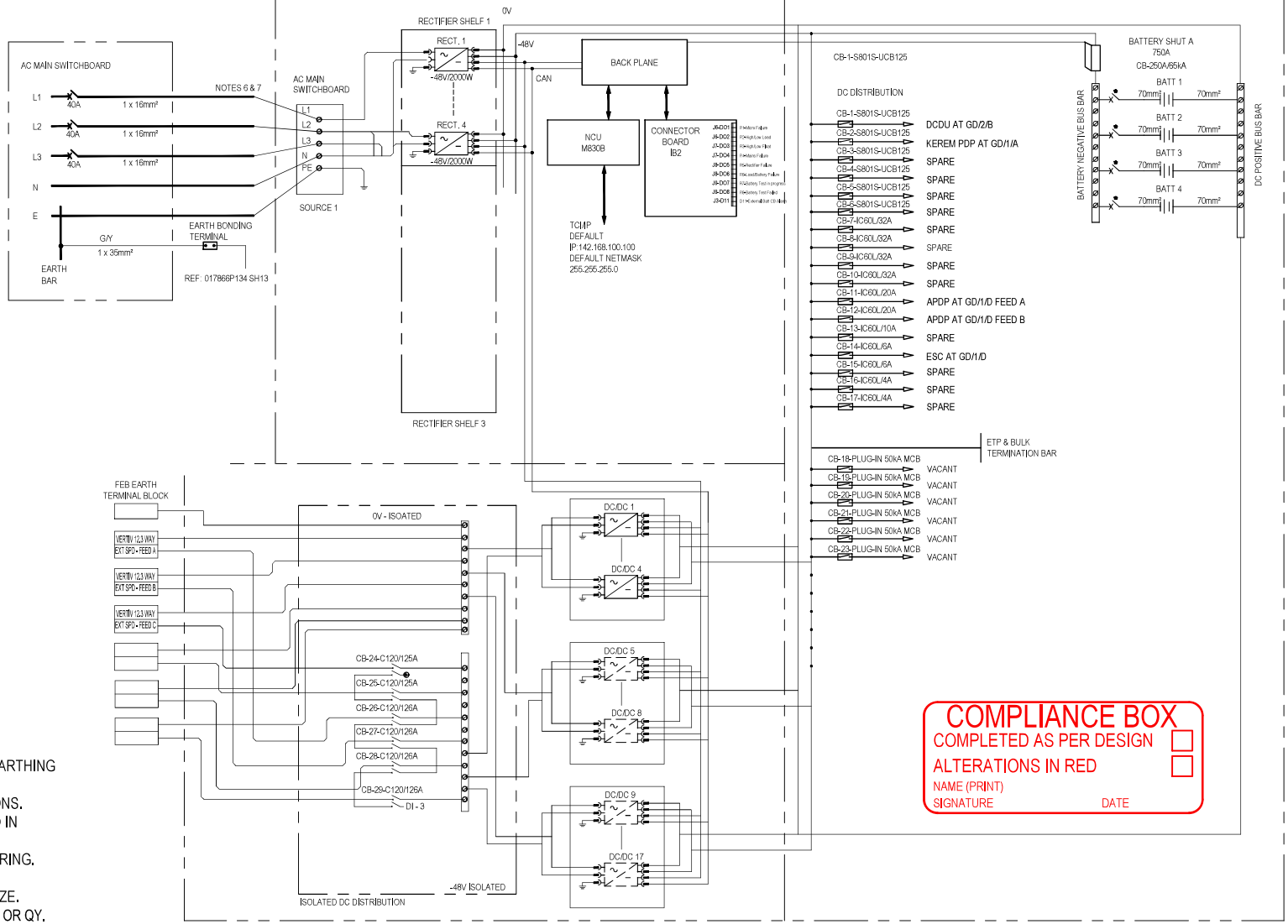
DWG NO. TX520 SHT NO. E2

Cad file: TX520SDC.DWG A3

VERTIV SP33-HC POWER SYSTEM - PWR ID: BTOPMG01



VERTIV SP33-HC
GD/2/A



NOTES:

1. EARTHING AND A.C. WIRING IAW AS3000, AS3015, 017866a07 (EARTHING MANUAL) & OTHER RELEVANT DOCUMENTATION.
2. REFER TO MANUFACTURERS HAND BOOK FOR AC CONNECTIONS.
3. PANEL NUMBERING IN THE SUBRACK NUMBERED AS ENTERED IN STRUCTURE BUILDER/MITS.
4. CELLS TO BE NUMBERED FROM 1 AT THE POSITIVE END OF STRING.
5. BATTERY STRINGS TO BE NUMBERED AS SHOWN ABOVE.
6. REFER MANUFACTURER'S HANDBOOK FOR INPUT BREAKER SIZE. RECOMMENDED 50A TH/MAG e.g. MGC60H OR HY/MAG C2 e.g. CBI QF OR QY.
7. REFER MANUFACTURER'S HANDBOOK FOR CABLE SIZE. RECOMMENDED 10mm². WHEN 50A CIRCUIT BREAKERS.
8. POWER ISOLATION TO THE ANTENNAS AND THE TELECOM EQUIPMENT, LOCATED INSIDE THE SHELTER ON SP33 THROUGH RESPECTIVE DC LOAD CIRCUIT BREAKERS.
9. FOR RRU POWER AND EARTHING SP33-HC POWER SYSTEM & DC-DC CONVERTERS - SINGLE PHASE SITES. REFER TO TELSTRA STD DRG 017866P134 SHEET 14 FOR DETAILS.
10. PROVIDED LOAD RESTRICTION LABEL - MAXIMUM 4 RECTIFIERS.
11. CAUTION LABEL ATTACHED ON RESTRICTION RECTIFIER BLANKING PLATES.
12. INSTALL PROPOSED SP33-HC PSU PHASE BALANCING KIT (1 OFF). AC LOAD TO BE LIMITED FOR THE UPSTREAM 63A 1P CIRCUIT BREAKER

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

FOR CONSTRUCTION

DO NOT SCALE

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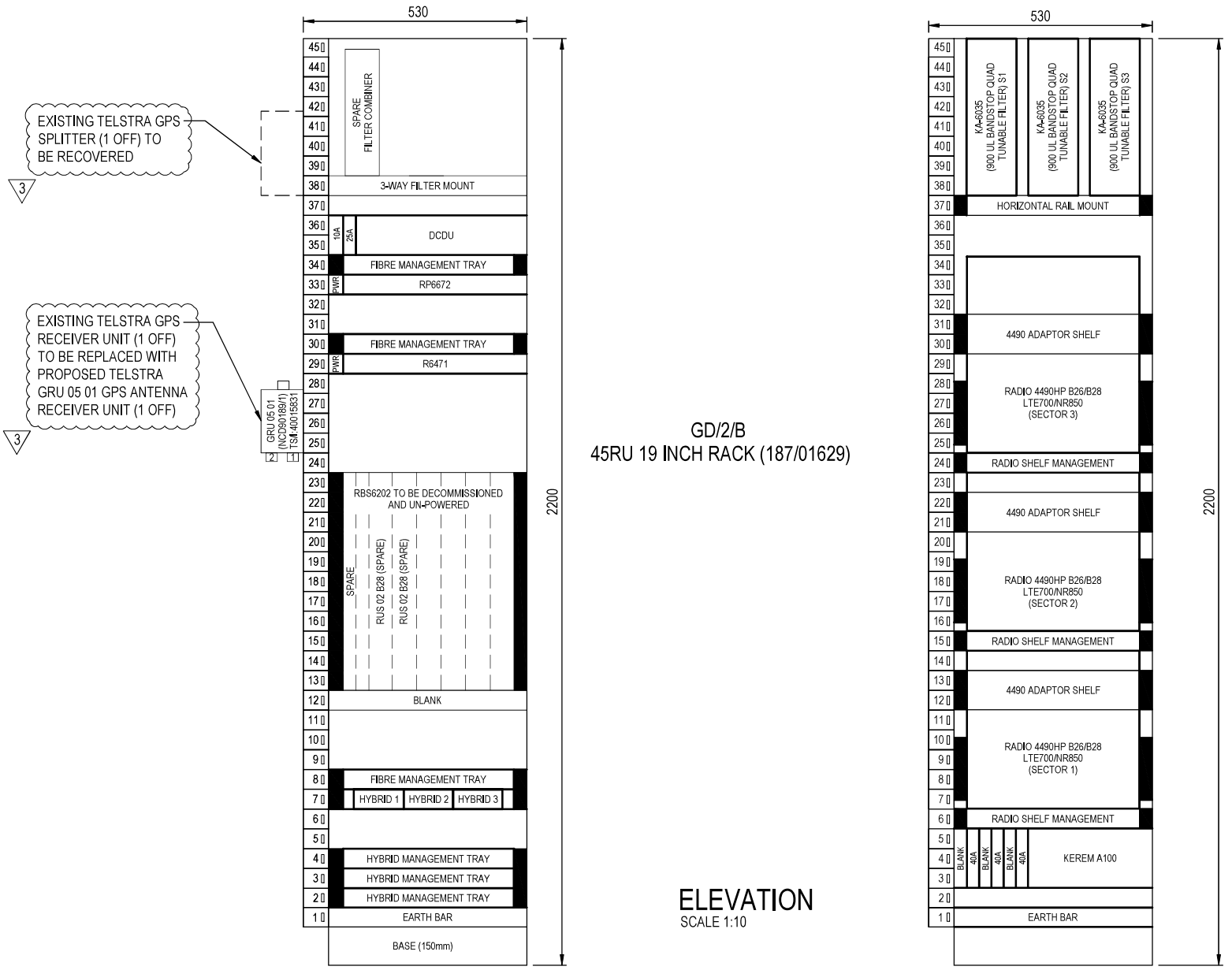
ORDER	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS
VT15644.01	ASL	AU	FOR CONSTRUCTION - XXXXXXXXW0001CYI - LTE700	SF	SF	25.05.15	1
VT15644.01	JG	JG	AS BUILT - 30052489W0001ND - LTE700	JG	JG	21.10.15	2
2GD-27464-01	RS	LY	2GDECOMMISSION - 30062968W0001CYI	KSK	DG	27.06.17	3
VT28658.01	NS	MA	FC - 80005743WO273SSNC - LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600	AS	MA	01.12.25	4

Telstra

MOBILE NETWORK SITE 27464
BARETOP HILL
DC POWER LINE DIAGRAM
REIDS ROAD, BINALONG BAY, TAS 7216

DWG NO. TX520 SHT NO. E4

Cad file: TX520SDC.DWG A3



ELEVATION
SCALE 1:10

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

3 FOR CONSTRUCTION

DO NOT SCALE

NOTES:
1. FOR SITE SPECIFIC NOTES REFER SHEETS S0, S0-1 & S0-2.
2. INDICATIVE 45RU PATHFINDER RACK SHOWN FOR LAYOUT PURPOSES ONLY.
3. ALL DIMENSIONS ARE IN MILLIMETER UNLESS SPECIFIED OTHERWISE.
4. REFER DOCUMENT CIN0005 LTE700 SITE ENGINEERING GUIDELINES FOR FURTHER INFORMATION.

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ORDER	DRAWN	CHKD	AMENDMENT	EXAM	APPD	DATE	ISS
VT15644.01	ASL	AU	FOR CONSTRUCTION - XXXXXXXXW0001CYI - LTE700	SF	SF	25.05.15	1
VT15644.01	JG	JG	AS BUILT - 30052489W0001ND - LTE700	JG	JG	21.10.15	2
VT28658.01	NS	MA	FC - 80005743WO273SSNC - LTE700 / LTE850 / NR850 / LTE1800 / LTE2100 / LTE2600 / NR2600	AS	MA	01.12.25	3

Telstra

MOBILE NETWORK SITE 27464
BARETOP HILL
PATHFINDER CHANNEL RACK LAYOUT
REIDS ROAD, BINALONG BAY, TAS 7216

DWG NO. TX520 SHT NO. E5

Cad file: TX520SDC.DWG A3

July 2021

July 2021


This is a telecommunications facility. For information about this site visit www.rfnsa.com.au
Or contact the facility manager.
NSA Site Number: 7216004
TEMCF2330-M
148:330

July 2021

Electromagnetic energy report

Location	REIDS RD, BINALONG BAY TAS 7216		
Date	10/11/2025	**RFNSA No.**	7216004

This report contains **calculated** electromagnetic energy (EME) exposure levels from the wireless technology base station listed above.

EME levels for this site have been **calculated** as a percentage of the limit given by the Australian Safety Standard. This report is produced according to a technical methodology developed by the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA).

EME levels below 100% comply with the Australian Safety Standard and are safe for the public.

Service operators and technology at the site

Telstra	Optus			
4G, 5G	4G, 5G			

For more information on the infrastructure at this site, such as specific wireless technologies, visit http://www.rfnsa.com.au/7216004.

Calculated EME levels

Areas of interest	Maximum EME level (% of limit)	Safe level (<100%)
Environmental EME Level (*1.5m above ground out to 500m from site*)	1.29%	YES
No locations identified		

About electromagnetic energy

Many things in our everyday lives produce electromagnetic energy including natural sources like the sun, and artificial sources like broadcast media, electric power, microwave ovens, and wireless technology like Wi-Fi and mobile phones.

The EME that you are exposed to from mobile phone towers is low, and similar to your exposure from broadcast transmissions such as radio and TV.

It is the assessment of ARPANSA that there is no credible health risk from exposure to the low-level EME associated with telecommunications and wireless technology below the limits set in the Australian Safety Standard.

Further information

ARPANSA (The Australian Radiation Protection and Nuclear Safety Agency) www.arpansa.gov.au

ACMA (The Australian Communications and Media Authority) www.acma.gov.au/eme-5g-and-you#eme

30th January 2026

Planning Manager
Statutory Planning Department
Break O'Day Council
32-34 Georges Bay Esplanade
St Helens TAS 7216

Email: admin@bodc.tas.gov.au

Dear Sir / Madam,

Upgrade of a telecommunications facility
Site Address: Reids Street, Binalong Bay TAS 7216
RFNSA Site No: 7216004 Site Name: Baretop Hill

Servicestream has been engaged by Telstra as part of the enhancement of Telstra's telecommunications network.

Please find attached Planning Permit Application for the upgrade of an existing Telecommunications Facility at the above address.

The proposal comprises the removal of existing antennas and installation of new antennas and ancillary equipment, together with other ancillary works.

As a Licensed Carrier under the Commonwealth *Telecommunications Act 1997*, Telstra is also obliged to comply with the Industry Code - Communications Alliance Ltd *C564:2025 Industry Code – Mobile Phone Base Station Deployment* (referred to as the Deployment Code), in relation to this proposal. Under the Deployment Code, Sections 4.1 and 4.2 are relevant to the preparation of this Planning Application.

Telstra has applied the Precautionary Approach in the selection and design of the proposed facility in accordance with Sections 4.1 and 4.2 of the Deployment Code.

Please find enclosed the following:

- Planning Submission assessing the proposal against the relevation planning instruments
- Appendices - Preliminary Plans; Photographs; EME report;

Please provide an invoice as soon as possible for the prescribed application fee and we will arrange for payment.

Please provide a receipt once payment is made and acknowledgement letter to marc.bays@servicestream.com.au

Kind regards

Marc Bays
Senior Town Planner (on behalf of Amplitel & Telstra)
Service Stream
M 0477 962 725
Email: Marc.bays@servicestream.com.au
Postal address: Level 11, 2 Wentworth Street, Parramatta, NSW 2150

Department of Natural Resources and Environment Tasmania

GPO Box 1751, Hobart, TAS 7001 Australia
Ph 1300 TAS PARKS / 1300 827 727
www.parks.tas.gov.au

Enquiries: William Loveday
Phone: 0460 034 102
Email: PlanningNorth@parks.tas.gov.au
Our ref: RAA 25/3912

ServiceStream
25 Smith Street,
Parramatta, NSW 2150,

Email: marc.bays@servicestream.com.au

LODGEMENT OF PLANNING APPLICATION BY SERVICE STREAM
OFF REIDS ROAD, BINALONG BAY, MOUNT PEARSON STATE RESERVE
CONSENT TO LODGE DEVELOPMENT APPLICATION
WITHIN FREYCINET NATIONAL PARK

Dear Proponent,

This letter, issued pursuant to section 52(1B) of the *Land Use Planning and Approvals Act 1993*, is to confirm that the Crown consents to the making of the enclosed Planning Permit Application, insofar as the proposed development relates to Crown land and reserved land managed by the Department of Natural Resources and Environment Tasmania.

Crown consent is only given to the lodgement of this application. Any variation will require further consent from the Crown.

This letter does not constitute, nor imply, any approval to undertake works, or that any other approvals required under the *Crown Lands Act 1976* or the *National Parks and Reserves Management Act 2002* have been granted. If planning approval is given for the proposed development, the applicant will be required to obtain separate and distinct consent from the Crown before commencing any works on Crown land or reserved land.

If you need more information regarding the above, please contact the officer nominated at the head of this correspondence.

Yours sincerely

Danielle Poirier
Acting Deputy Secretary
Parks and Wildlife Service
27 January 2026

Instrument of Revocation and Delegation

DELEGATION OF THE DIRECTOR-GENERAL OF LANDS' FUNCTIONS UNDER THE *LAND USE PLANNING AND APPROVALS ACT 1993*

I, JASON JACOBI, being and as the Director-General of Lands appointed under section 7 of the *Crown Lands Act 1976*, hereby revoke any previous delegation made pursuant to section 52(1E) of the *Land Use Planning and Approvals Act 1993* ("the Act") and, acting pursuant to section 52(1E) of the Act, I hereby delegate the functions described (by reference to the relevant provision of the Act and generally) in Schedule 1, to the persons respectively holding the offices of Deputy Secretary (Parks and Wildlife Service) (position number 700451), General Manager (Park Operations and Business Services) (position number 708581), Manager (Property Services) (position number 707556), Unit Manager (Operations) (position number 702124) and Unit Manager (Assessments) (position number 334958) in accordance with the functions delegated to me by the Minister administering the *Crown Lands Act 1976,* by instrument dated 9 November 2023.

SCHEDULE 1

Provision	**Description of Functions**
Section 52(1B)	Signing, and providing written permission for, applications for permits in relation to Crown land.

Dated at HOBART this 29 day of July. 2024

.....

Jason Jacobi

DIRECTOR-GENERAL OF LANDS