



Civil Engineering Services Report
**Lot 30 Sunshine Coast Parade,
Maroochydore City Centre, 4558**
CLIENT REFERENCE NO: 71095

Walker Corporation

June 2026

Rev C

Prepared by:



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DOCUMENT ISSUE RECORD

Revision Code	Date Revised	Revision Details	Author	Checked	Approved
A	01/04/2026	Original Issue – For MCU DA	MLH	KAP	DAB
B	15/06/2026	Updated arch drgs - For MCU DA	KAP	KAP	DAB
C	24/6/2026	Updated arch drgs - For MCU DA	KAP	KAP	DAB

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1 INTRODUCTION

1.1 Project Overview

Projex Partners Pty Ltd have been engaged by Walker Corporation to prepare this Civil Engineering Services Report to support a Material Change of Use (MCU) application for the proposed development at Lot 30 SP305312, First Avenue / Sunshine Coast Parade, Maroochydore.

The subject site is located within the Maroochydore City Centre Priority Development Area (PDA) and is subject to the Maroochydore City Centre PDA Development Scheme administered by Economic Development Queensland (EDQ) under the *Economic Development Act 2012*.

The proposed development comprises a multi-storey residential building including a lower basement level for the automatic waste collection system (AWCS) and lift pit, basement carpark, ground floor parking, lobby and building services, multiple levels of podium car parking, a landscaped residential podium, residential tower above, and rooftop recreation facilities. The development also includes associated access, servicing infrastructure, and landscaping works consistent with the architectural design prepared for the MCU application included as **Appendix A**.

1.2 Site Description

The development site is located at Lot 30 SP305312, Maroochydore, and is bounded by Sunshine Coast Parade to the south, First Avenue to the west, Future Way to the north, and adjoining development to the east within the Maroochydore City Centre precinct.

The site is currently vacant and approved for interim use as a temporary parking area. It was previously formed as part of the broader Maroochydore City Centre bulk earthworks and trunk infrastructure works and is generally level, with minor surface grading toward existing stormwater infrastructure located along the site boundaries. Detailed survey for the site is included as **Appendix B**.

Existing urban infrastructure, including stormwater, water supply, sewerage, and other services, is available within the surrounding road reserves as part of the established city centre network.

1.3 Purpose of Report

The purpose of this Civil Engineering Services Report is to assess the servicing and infrastructure requirements for the proposed development and demonstrate that the site can be appropriately serviced in accordance with the requirements of the Maroochydore City Centre PDA Development Scheme and relevant engineering standards.

This report provides a high-level assessment of:

- Water supply servicing;
- Sewerage servicing;
- Stormwater management, including quantity and quality;
- Flooding and site flood immunity;
- Earthworks and erosion and sediment control measures; and
- Vehicle access and crossover arrangements.

1.4 Referenced Documentation

This report has been prepared based on the following information:

- Detail and level survey of the subject site;
- Architectural drawings for the proposed development;

- Sunshine Coast Council MyMaps (online mapping);
- Unitywater infrastructure mapping;
- Before You Dig Australia (BYDA) service information; and
- Sunshine Coast Council Flood Information Search (Ref: Cer26/01839).
- Stormwater Management Plan – Lot 30 SP305312 (Projex Partners, 2026)

2 WATER SUPPLY

2.1 Existing Infrastructure

Unitywater mapping indicates that existing water supply infrastructure is available within the road reserves surrounding the site.

A 200mm diameter PVC-O water main is located within both First Avenue and Future Way, forming part of the Maroochydore City Centre reticulation network. A 150mm diameter PVC-O water main is also present within Sunshine Coast Parade.

An existing valved water connection with an end cap is located on the Sunshine Coast Parade frontage of the site, indicating provision for future servicing of the lot as part of the broader precinct infrastructure works. Refer Figure 2-1 below.

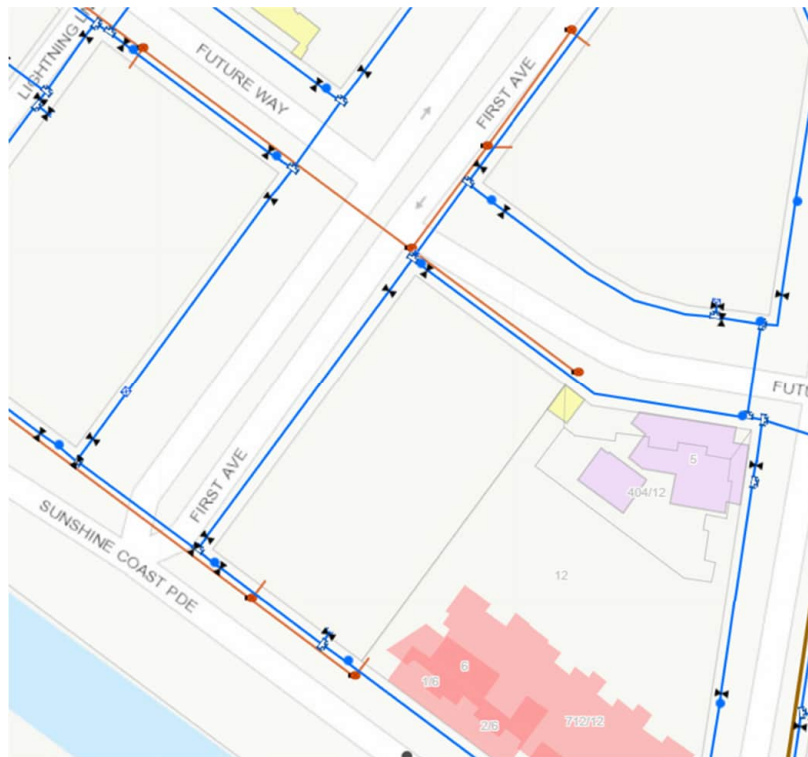


Figure 2-1: Unitywater Infrastructure Mapping

2.2 Water Demand

Water demand for the proposed development will be determined during detailed design by the project hydraulic consultant.

Planning data for the Maroochydore City Centre indicates that the subject site was assumed to accommodate approximately 86 attached dwellings and associated non-residential floor area under the ultimate development scenario.

The current development proposal comprises approximately 200 dwellings and a significantly greater gross floor area than originally assumed. As such, the proposed development represents an increase in demand relative to the original planning assumptions adopted within the Netserv Plan.

2.3 Proposed Servicing Strategy

Water supply to the development is proposed to be provided via connection to the existing water main within Future Way. It is anticipated that the existing valved connection located along the Sunshine Coast Parade frontage will be capped at the main, subject to confirmation during detailed design.

The final number, size and configuration of water services, including any requirements for separate domestic and fire services, will be determined during detailed hydraulic design and in consultation with Unitywater.

2.4 Capacity Assessment

No detailed water network modelling has been undertaken as part of this report.

A Unitywater Service Advice Notice has been received from Unitywater and a Water and Sewer Network Analysis is required to be undertaken and submitted to Unitywater for approval.

Based on a desktop review of the existing reticulation network and the master-planned nature of the Maroochydore City Centre precinct, the existing water infrastructure is expected to be capable of servicing the proposed development, subject to confirmation through the Unitywater connection application process.

Given the proposed development exceeds the original Netserv Plan planning assumptions for the site, the Network Analysis will determine if any network upgrades or augmentation works are required.

3 SEWERAGE

3.1 Existing Infrastructure

Unitywater mapping indicates that existing sewerage infrastructure is available within the road reserves surrounding the site.

A 150mm diameter PVC-U sewer gravity main is located within Sunshine Coast Parade and Future Way, forming part of the Maroochydore City Centre reticulation network.

An existing sewer maintenance hole is located on the Sunshine Coast Parade frontage of the site, with a 150mm diameter connection stub extending toward the subject lot. Available mapping indicates invert levels of approximately 0.85 m AHD at the maintenance hole and between 0.93 m AHD and 1.15 m AHD within the adjacent reticulation main.

3.2 Sewer Generation

Sewer generation for the proposed development will be determined during detailed design by the project hydraulic consultant.

Planning data for the Maroochydore City Centre indicates that the subject site was assumed to accommodate approximately 86 attached dwellings and associated non-residential floor area under the ultimate development scenario.

The current development proposal comprises approximately 200 dwellings and therefore represents an increase in wastewater generation relative to the original planning assumptions adopted within the Netserv Plan.

3.3 Proposed Servicing Strategy

Sewerage servicing for the development is proposed to be provided via connection to the existing sewer maintenance hole located within the Sunshine Coast Parade frontage. The existing 150mm diameter connection stub is expected to be utilised for servicing the development, subject to confirmation during detailed design.

The proposed development includes a basement level containing building services only. Wastewater from the development is expected to be conveyed via gravity where feasible, with final internal drainage design and levels to be confirmed by the project hydraulic consultant.

The final connection arrangement, including pipe sizing, grades and internal drainage configuration, will be determined during detailed design in consultation with Unitywater.

3.4 Capacity Assessment

No detailed sewer network modelling has been undertaken as part of this report.

A Unitywater Service Advice Notice has been received from Unitywater and a Water and Sewer Network Analysis is required to be undertaken and submitted to Unitywater for approval. This will determine if any network upgrades are required.

Based on a desktop review of the existing sewer network and the master-planned nature of the Maroochydore City Centre precinct, the existing sewer infrastructure is expected to be capable of servicing the proposed development, subject to confirmation through the Unitywater connection application process.

Given the proposed development exceeds the original Netserv Plan planning assumptions for the site, the Network Analysis will determine if any network upgrades or augmentation works are required.

4 STORMWATER

4.1 Existing Infrastructure

The subject site forms part of the Maroochydore City Centre master planned drainage network and is serviced by an established stormwater system within the surrounding road reserves.

Stormwater runoff from the site currently discharges to the existing underground drainage network, which ultimately conveys flows to the downstream canal system within the Maroochydore City Centre precinct.

4.2 Design Criteria

Stormwater management for the proposed development has been assessed in accordance with the Maroochydore City Centre PDA Development Scheme, PDA Guideline No. 13 – Engineering Standards, the Queensland Urban Drainage Manual (QUDM), Sunshine Coast Council Planning Scheme Policies, and the State Planning Policy 2017.

4.3 Stormwater Quantity

Stormwater quantity management for the development has been designed to maintain consistency with the broader Maroochydore City Centre drainage strategy. The proposed development adopts the existing master-planned catchment extents, with stormwater directed to established lawful points of discharge at the site boundaries. No changes to catchment boundaries or discharge locations are proposed.

The internal stormwater drainage system is proposed to be sized to convey flows up to the 1% AEP storm event. This approach exceeds typical minor system requirements and is consistent with the design intent adopted across the Maroochydore City Centre precinct to minimise surface flow and reduce the need for on-site detention.

The downstream drainage network and canal system have been designed to accommodate runoff from the fully developed upstream catchments, including the subject site. Accordingly, no on-site detention is required as part of the proposed development.

4.4 Stormwater Quality

Stormwater quality management measures have been incorporated into the development to achieve compliance with applicable water quality objectives.

A proprietary treatment system is proposed to treat stormwater runoff prior to discharge from the site. The treatment approach has been developed using MUSIC modelling to demonstrate compliance with State Planning Policy water quality targets.

4.5 Summary

Stormwater management for the proposed development has been designed to integrate with the existing Maroochydore City Centre drainage network and maintain consistency with the broader master-planned drainage strategy.

The proposed development is not expected to result in adverse impacts on downstream drainage infrastructure or flooding behaviour. Further detail and modelling results are provided within the Stormwater Management Plan included in **Appendix C**.

5 ELECTRICAL AND TELECOMMUNICATIONS

5.1 Existing Infrastructure

A Dial Before You Dig (BYDA) search has been undertaken for the subject site, with results provided in **Appendix D**. The BYDA information indicates the presence of existing electrical and telecommunications infrastructure within the surrounding road reserves servicing the Maroochydore City Centre precinct.

Based on the established nature of the precinct and available servicing infrastructure, it is expected that adequate network capacity exists to service the proposed development, subject to confirmation by the relevant service authorities.

5.2 Servicing Strategy

Electrical and telecommunications services for the proposed development will be provided via connection to existing infrastructure within the adjacent road reserves, as identified in the BYDA search.

New service connections will be required, with final connection locations and servicing requirements to be determined in consultation with the relevant service authorities.

5.3 Design and Coordination

Detailed design of electrical and telecommunications infrastructure, including any required upgrades or new infrastructure, will be undertaken by the relevant service authorities and specialist consultants.

Projex Partners will coordinate with these stakeholders during detailed design to ensure that service connections are appropriately integrated with the proposed development and do not conflict with other civil infrastructure.

6 FLOODING

6.1 Flood Levels

A flood information search has been undertaken for the subject site (refer **Appendix E**).

Based on available flood mapping for the Maroochydore City Centre precinct, the site is affected by design flood events, with adopted habitable floor levels in the order of 3.66 m to 3.67 m AHD.

The 1% AEP (2100) Peak Flood Level is between 3.36m AHD and 3.37m AHD.

The basement carpark ramp level has been established at RL 3.47m AHD, providing 100mm freeboard to the 1% AEP flood event level to reduce the potential for basement flooding.

6.2 Development Response

The proposed development will adopt finished floor levels above the nominated design flood level, with appropriate freeboard, in accordance with Council requirements. The development will also maintain existing overland flow paths and ensure stormwater conveyance through the site is not impeded.

6.3 Flood Impacts

The site forms part of a master-planned precinct that has been subject to comprehensive flood modelling. On this basis, and subject to detailed design, the proposed development is not expected to result in adverse flood impacts external to the site, including any material increase in flood levels.

7 EARTHWORKS AND EROSION AND SEDIMENT CONTROL

7.1 Earthworks

Bulk earthworks associated with the proposed development will be undertaken to achieve the required finished surface levels and ensure compliance with flood immunity requirements.

The site has been subject to prior bulk earthworks as part of the master-planned development.

Moderate earthworks are anticipated to facilitate the proposed development and excavation of the basement levels. The majority of material excavated from the site is to be disposed off-site as there is limited opportunities to re-use this material within the project's footprint.

Final earthworks design, including batter treatments, retaining structures (if required), and finished levels, will be confirmed during detailed design.

7.2 Erosion and Sediment Control

Erosion and sediment control (ESC) measures will be implemented during construction to minimise the potential for sediment-laden runoff to leave the site.

ESC measures will be designed and installed in accordance with relevant guidelines, including the International Erosion and Sediment Control Association (IESCA) Best Practice Erosion and Sediment Control guidelines and Sunshine Coast Council requirements.

Typical measures may include:

- Sediment fences and inlet protection;
- Stabilised site access points;
- Diversion drains and bunding; and
- Progressive stabilisation of disturbed areas.

An ESC Plan will be prepared as part of the detailed design and implemented throughout the construction phase.

8 ACCESS / VEHICLE CROSSOVERS

8.1 Existing Access

The subject site currently includes an existing vehicle crossover to Future Way, providing access to the site.

The surrounding road network, including First Avenue, Future Way and Sunshine Coast Parade, is constructed and forms part of the Maroochydore City Centre precinct.

8.2 Proposed Access

Vehicle access to the development is proposed via a crossover to Future Way, generally in the same location as the current access.

The crossover will be upgraded as required to accommodate the proposed development, including access to ground level parking and servicing areas.

8.3 Conclusion

The proposed use of the crossover to Future Way is considered appropriate for the scale and nature of the development and is capable of safely accommodating the expected vehicle movements.

Final design and any required upgrades to the crossover will be confirmed during detailed design.

9 CONCLUSION

This Civil Engineering Services Report has assessed the servicing requirements for the proposed development at Lot 30 SP305312, First Avenue, Maroochydore.

A review of the existing infrastructure and site conditions indicates that the development can be readily serviced by existing water, sewer, stormwater, electrical and telecommunications networks, subject to detailed design and approval by the relevant authorities.

The proposed development has been designed to integrate with the established Maroochydore City Centre infrastructure and is generally consistent with the broader master-planned servicing strategy for the precinct.

Stormwater management measures have been developed to maintain existing drainage conditions and achieve compliance with applicable water quality and quantity requirements. Flood levels have been adopted in accordance with the precinct-wide flood mapping, with the development capable of achieving the required level of flood immunity.

Vehicle access is proposed via the crossover to Future Way in a similar location to the existing crossover, which is considered appropriate for the scale and nature of the development.

On this basis, the proposed development is considered capable of being serviced and constructed without undue constraint, subject to detailed design and authority approvals.

APPENDIX A

Architectural Drawings

CONCEPT PLAN - LEVEL 04 - PODIUM RESIDENTIAL



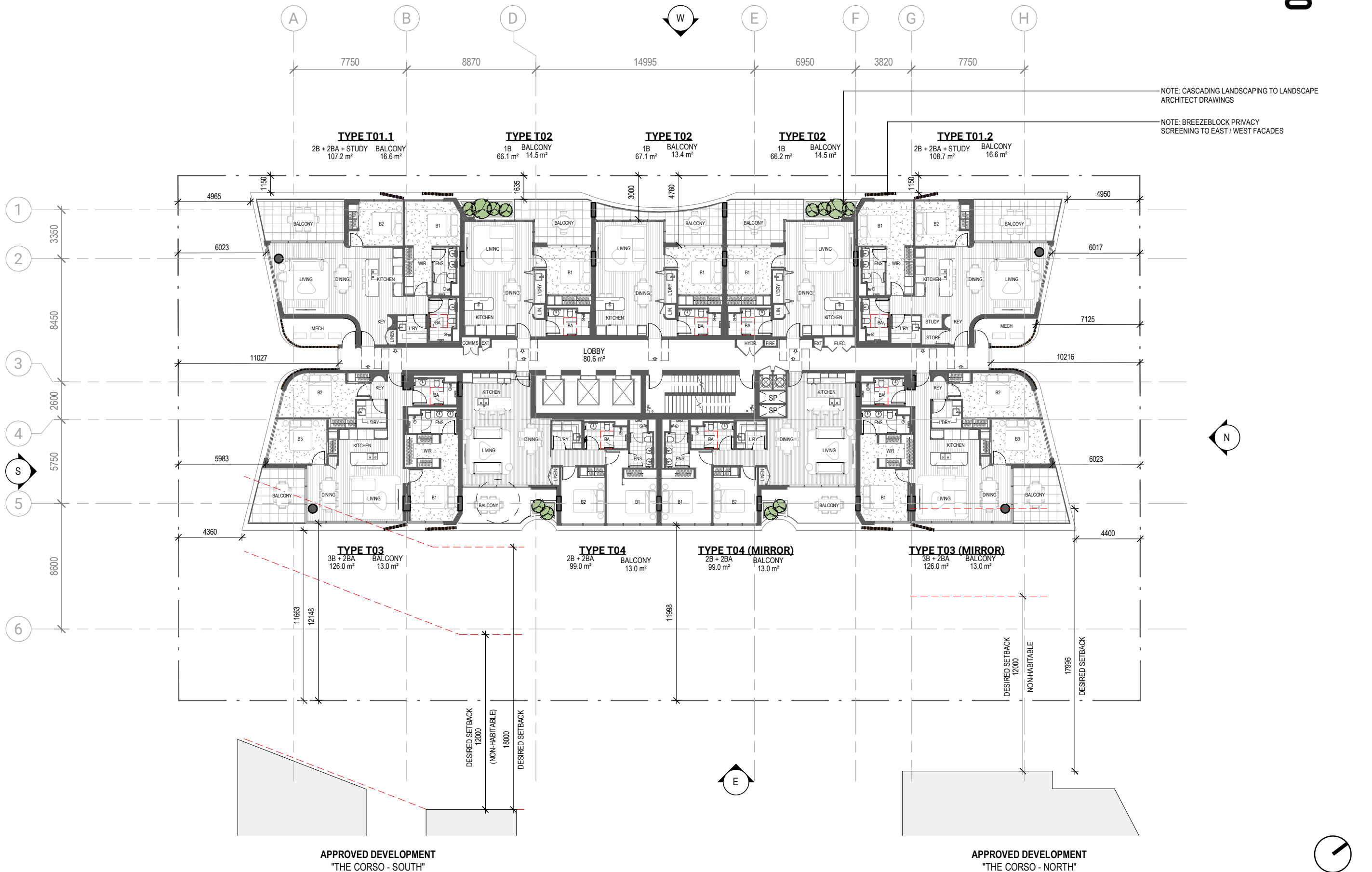
CONCEPT PLAN - LOWER TYPICAL (L05 - 15)

LOT 30, SUNSHINE COAST PARADE, MAROOCHYDORE, QLD 4558

71095

THE ANALYSIS

PLUSSTUDIO



CONCEPT PLAN - UPPER TYPICAL (L16 - 27)

LOT 30, SUNSHINE COAST PARADE, MAROOCHYDORE, QLD 4558

71095

THE ANALYSIS

PLUSSTUDIO



NOTE: CASCADING LANDSCAPING TO LANDSCAPE ARCHITECT DRAWINGS
NOTE: BREEZEBLOCK PRIVACY SCREENING TO EAST / WEST FACADES



SCALE 1:250 @ A3 SIZE

CONCEPT PLAN - LEVEL 29 - ROOFTOP RECREATION



0 25 5 7.5 10 125m

SCALE 1:250 @ A3 SIZE

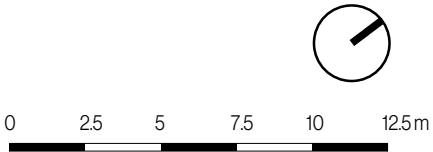
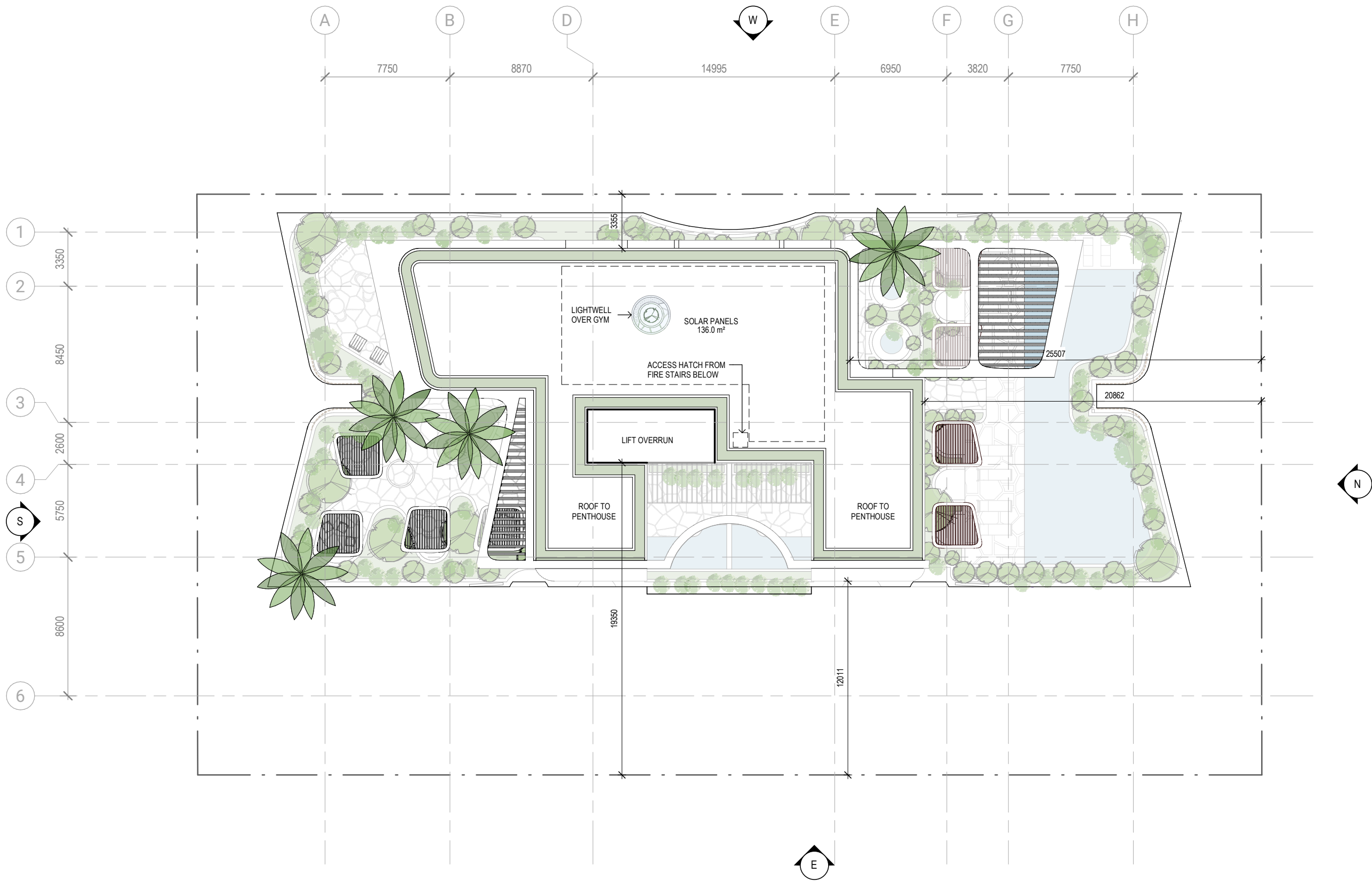
CONCEPT PLAN - ROOF PLAN

LOT 30, SUNSHINE COAST PARADE, MAROOCHYDORE, QLD 4558

71095

THE ANALYSIS

PLUSSTUDIO



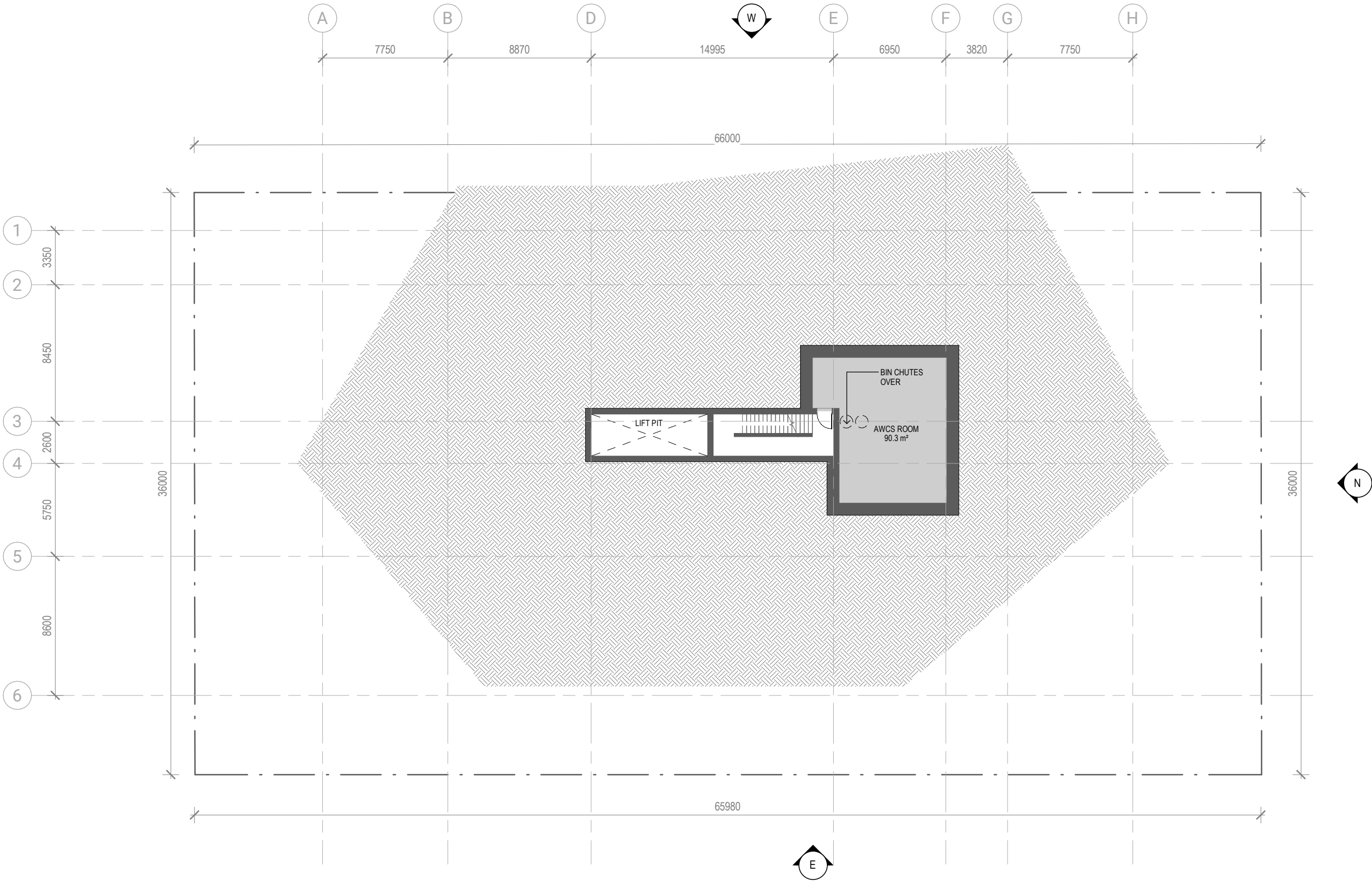
CONCEPT PLAN - BASEMENT 02

LOT 30, SUNSHINE COAST PARADE, MAROOCHYDORE, QLD 4558

71095

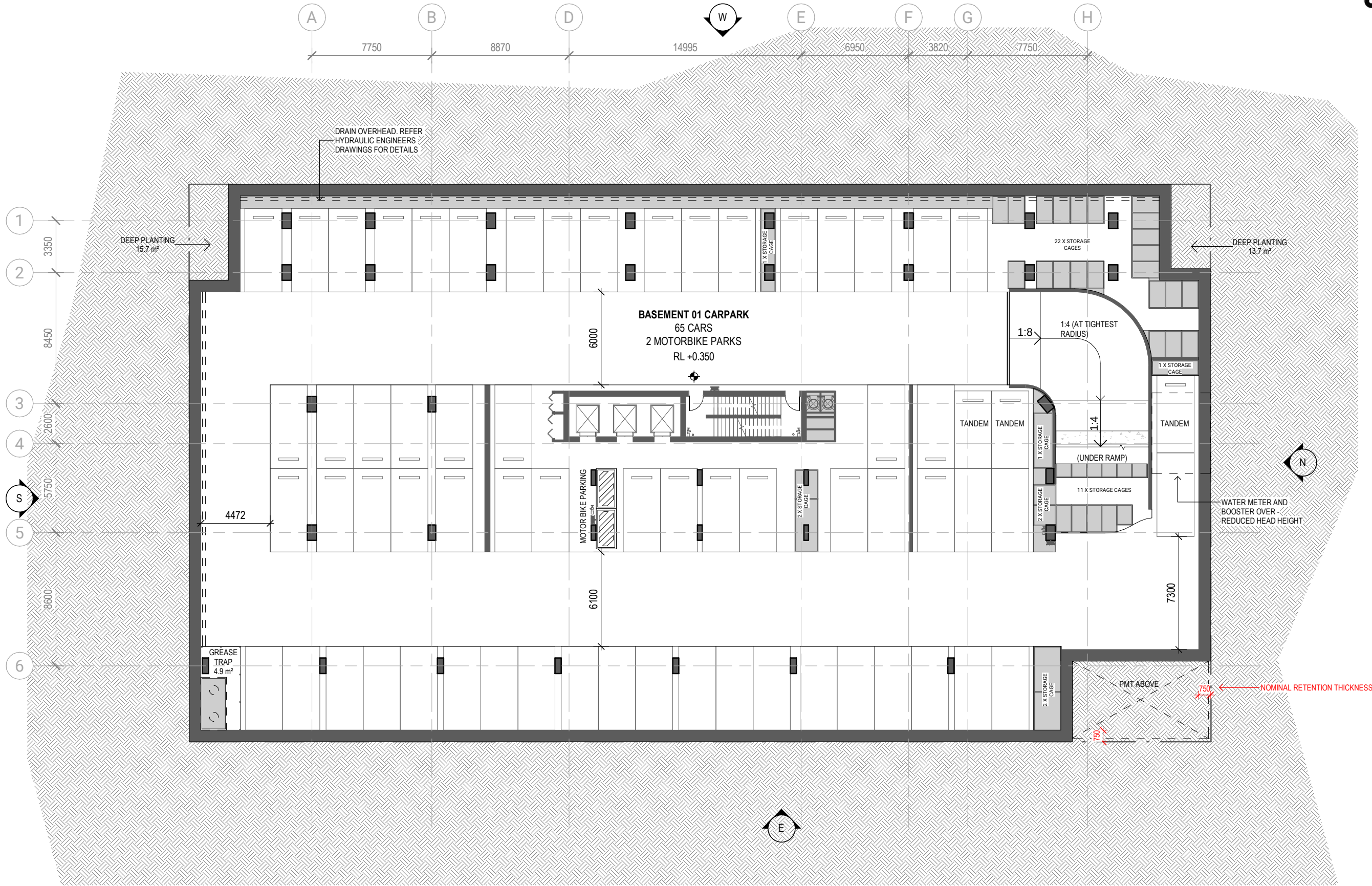
THE ANALYSIS

PLUSSTUDIO



0 1 2 3 4 5m

CONCEPT PLAN - BASEMENT 01



CONCEPT PLAN - GROUND

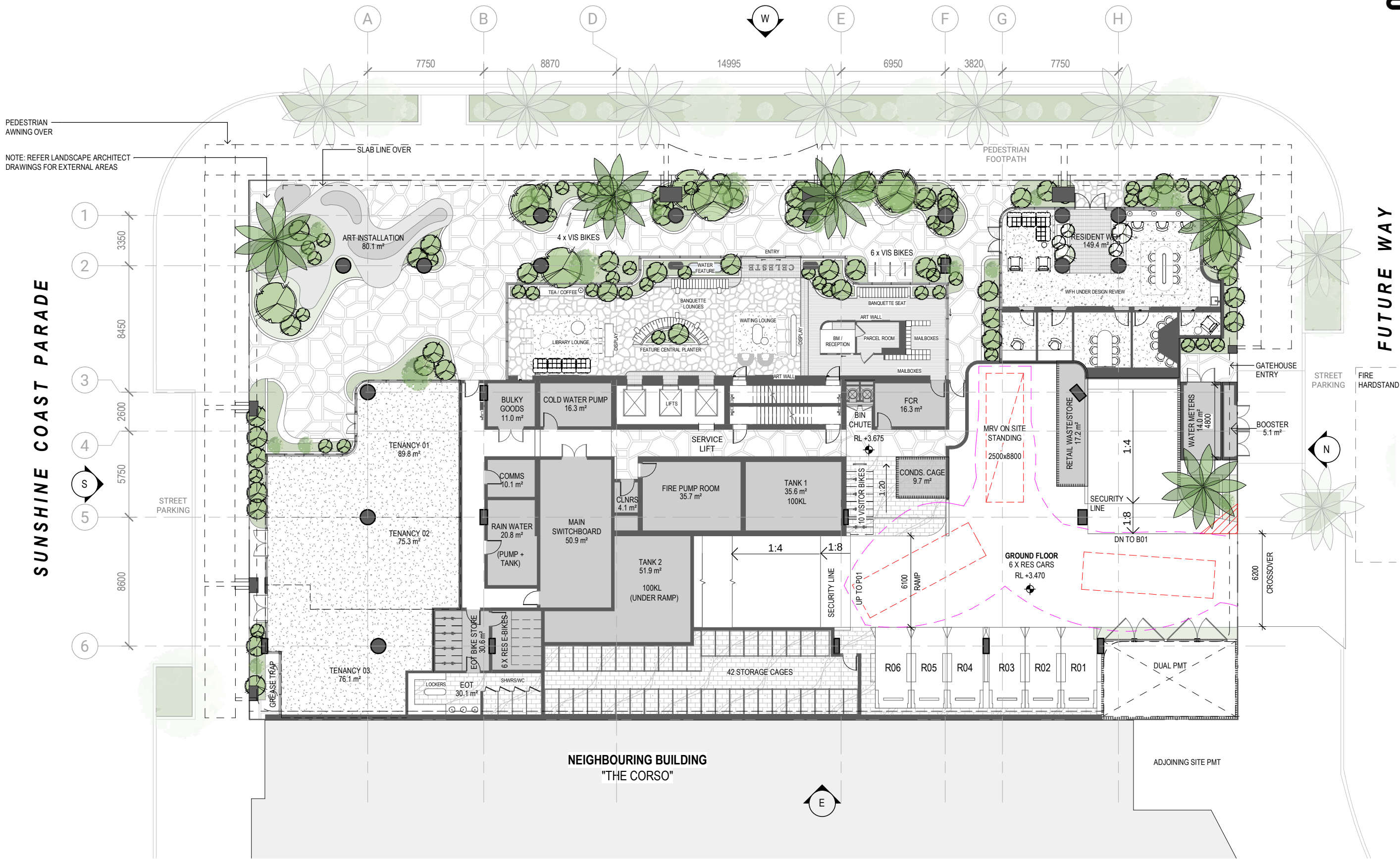
LOT 30, SUNSHINE COAST PARADE, MAROOCHYDORE, QLD 4558

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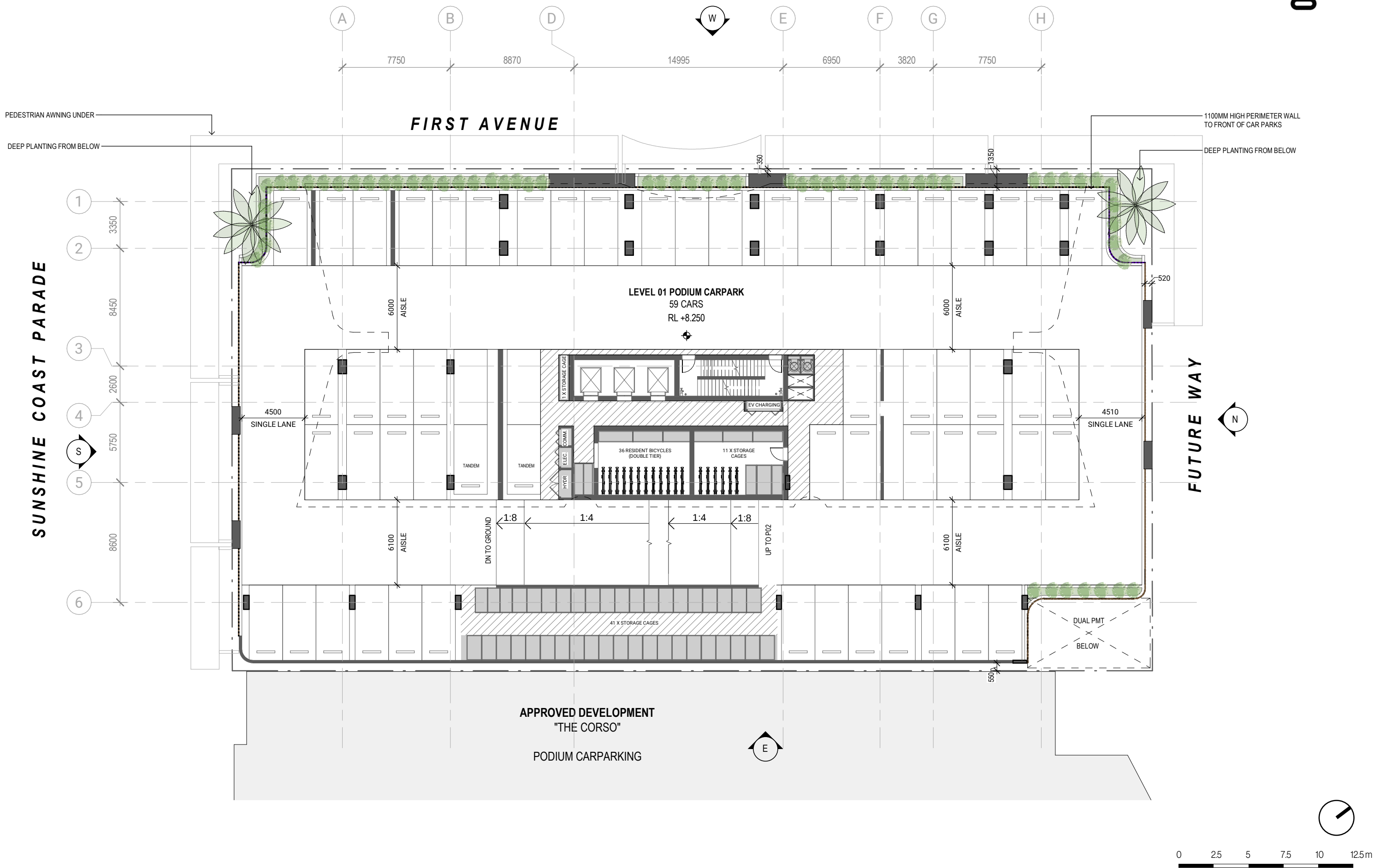
THE ANALYSIS

PLUSSTUDIO

FIRST AVENUE



CONCEPT PLAN - PODIUM LEVEL 01



LOT 30, SUNSHINE COAST PARADE, MAROOCHYDORE, QLD 4558

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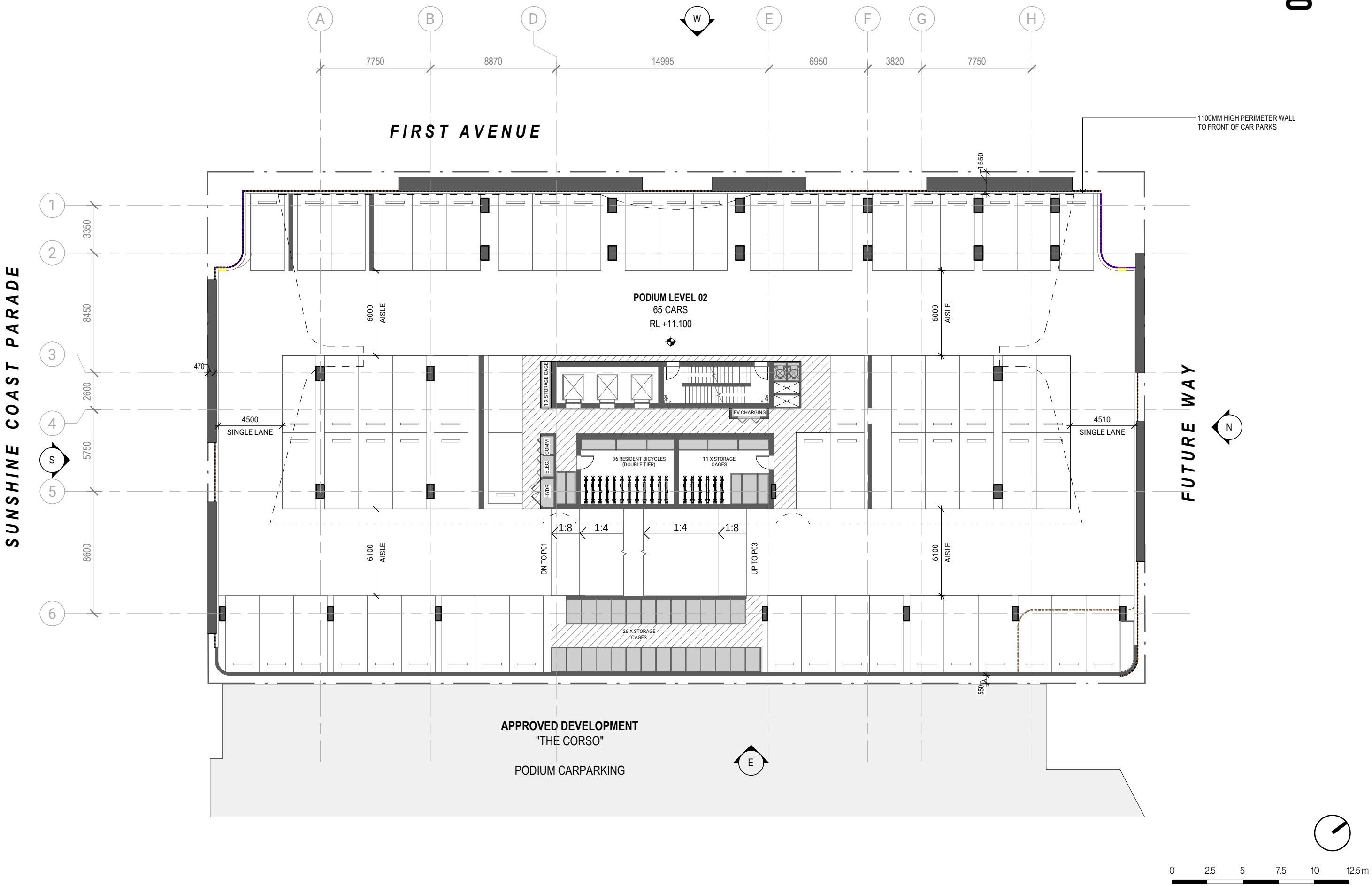
THE ANALYSIS

PLUSSTUDIO

CONCEPT PLANNING

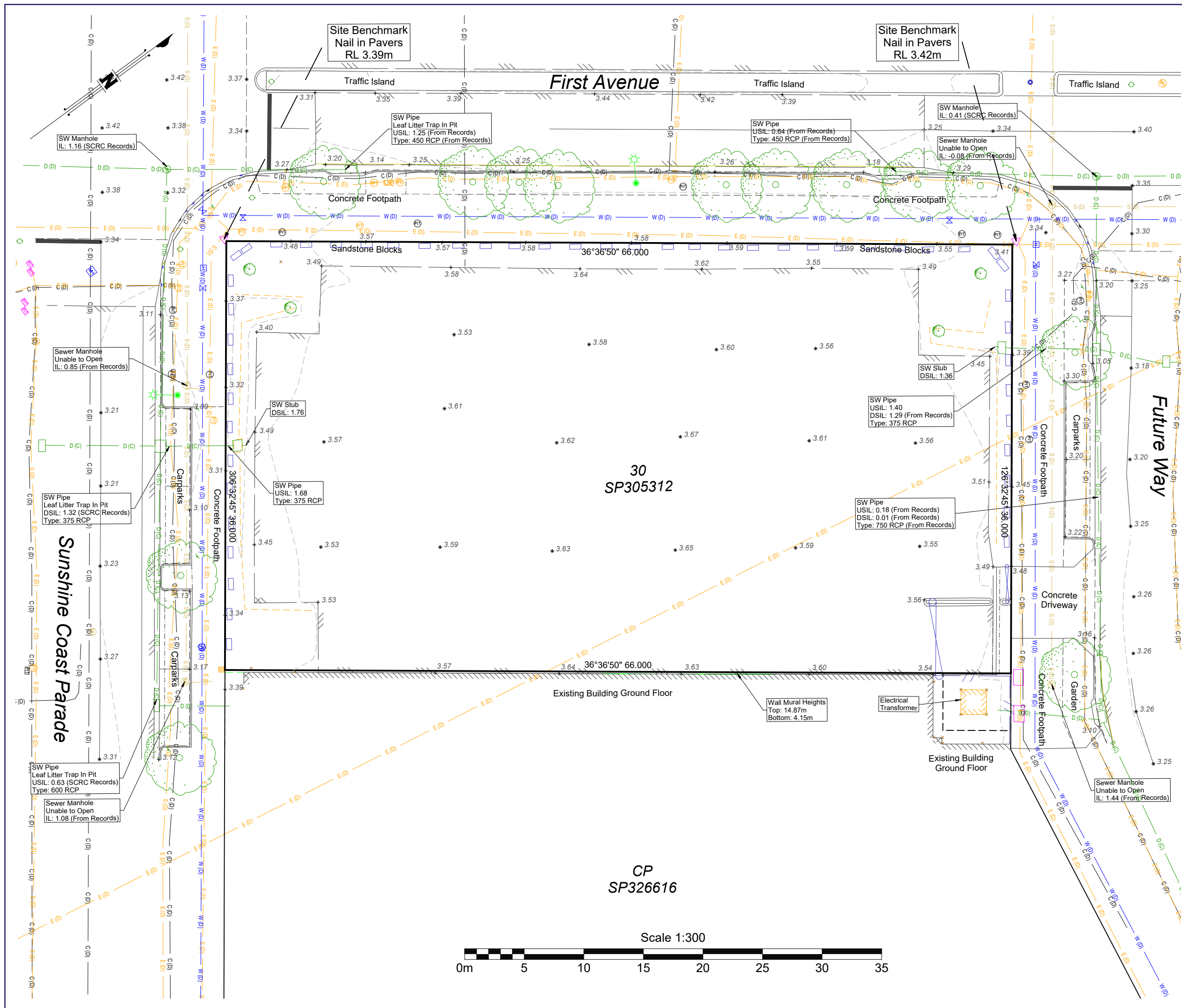
CONCEPT PLAN - PODIUM LEVEL 02

PLUSSTUDIO



APPENDIX B

Detail Survey



LEGEND:	
Road	Terrain
Kerb Back	Driveway
Kerb Invert	Footpath
Edge of Bitumen	Slab Edge
Edge of Gravel	Retaining Wall Base
Road Crown	Retaining Wall Top
Traffic Park Meter	Change of Grade
Traffic Light	Top of Bank
Traffic Sign	Toe of Bank
Traffic Post Box	Waterline
	Garden Edge
Structures	Creek Toe of Bank
Building Line	Creek Top of Bank
Roof Ridgeline	Creek Invert
Fence Line	Creek Waterline
Gate	Tree
Hand Rail	Tree Canopy
Cattle Grid	Control Point/PSM
Bollard	
Sewer	Drainage
Sewer Line	Drainage line
Valve	Open Drain
Inspection Opening	Manhole
Manhole	Field Inlet
	Downpipe
Electrical	Communications
Electricity Line	Communication Line
Overhead Line	Overhead Line
Pits/Manholes	Pits/Manholes
Pole	Pillar
Street Light	
Light In-Ground	Gas
	Gas Line
Water	Valve
Water Line	Marker
Meter	
Valve	General
Fire Hydrant	Pothole
Tap	
Sprinkler	Subsurface Utility - QL
Fuel	* (A) * QL-A (H±50mm, V±50mm)
Fuel Line	* (B) * QL-B (H±300mm, V±500mm)
Fitting	* (C) * QL-C (H±300mm, 2D)
	* (D) * QL-D (Exist Record)

- NOTES:**
1. Drawn to scale on an A3 sheet.
 2. Contour Interval: 0.25m
 3. All levels are in metres on the Australian Height Datum referred to PM198717 - RL 3.306 AHD situated in South Sea Islander Way/Sunshine Coast Parade.
 4. All Boundaries are vide title and subject to confirmation by survey.
 5. The Location of Underground services are in accordance with AS5488:2019, the Australian Standard for classification of Subsurface Utility Information (SUI). The exact nature and location of these services should be confirmed prior to construction.
 6. Area vide title: 2376m²
 7. Field Survey Completed on 09/06/2026

Level datum: AHD Derived (PM198717)
Horiz datum: Arbitrary (Maroochy CBD Datum)
Coord Origin: GNSS (SW Cor Site)
GDA System: GDA94 Coordinate System: Plane 1:1
Meridian: + 00°00'00" SP305312

Title:
VERIFICATION PLOT
Lot 30 on SP305312
Sunshine Coast Parade, Maroochydore

Client:	Walker Corporation Pty Ltd		
Locality:	Maroochydore		
Local Gov:	Sunshine Coast Regional Council		
Surveyed By:	TM	Approved:	BMH
Date Created:	19/06/26	Scale:	1:300
File Ref:	241483		
Plan No:	241483_002_VER Rev: A		

APPENDIX C

Stormwater Management Plan

(Issued Separately)

APPENDIX D

BYDA

[Review responses online](#) ↗


Received 6 of 6 responses

All responses received

Lot 30 Sunshine Coast Parade,
Maroochydore QLD 4558

Job dates
19/05/2027 → 28/05/2027

These plans expire on
15 Apr 2026

Lodged by
Mathew Harvey

Authority	Status	Page
✉ BYDA Confirmation		2
🏢 Energex QLD	Received	4
🏢 NBN Co Qld	Received	49
🏢 Reef Networks	Received	60
🏢 Sunshine Coast Regional Council	Received	64
🏢 Telstra QLD South East	Received	68
🏢 Unitywater North	Received	77

Contact Details

Contact	Contact number	Company	Enquirer ID
Mathew Harvey	0432 572 622	-	3472950
Email	Address		
mathewharvey@projexpartners.com.au	3/135 Horton Parade Maroochydore QLD 4558		

Job Site and Enquiry Details

WARNING: The map below only displays the location of the proposed job site and does not display any asset owners' pipe or cables. The area highlighted has been used only to identify the participating asset owners, who will send information to you directly.

Enquiry date	Start date	End date	On behalf of	Job purpose	Locations	Onsite activities
19/03/2026	19/05/2027	28/05/2027	Private	Design	Private	Planning & Design



Check that the location of the job site is correct. If not, you must submit a new enquiry.

If the scope of works change or plan validity dates expire, you must submit a new enquiry.

Do NOT dig without plans. Safe excavation is your responsibility. If you don't understand the plans or how to proceed safely, please contact the relevant asset owners.

User Reference	Address	Notes/description
Lot 30 Sunshine Coast Parade	Lot 30 Sunshine Coast Parade Maroochydore QLD 4558	-

Your Responsibility and Duty of Care

- Lodging an enquiry does not authorise project commencement.** Before starting work, you must obtain all necessary information from all affected asset owners.
- If you don't receive plans within 2 business days, contact the asset owner & quote their sequence number.
- Always follow the 5Ps of Safe Excavation (page 2), and locate assets before commencing work.
- Ensure you comply with State legislative requirements for Duty of Care and safe digging.
- If you damage an underground asset, you MUST advise the asset owner immediately.
- By using the BYDA service, you agree to the [Privacy Policy](#) and [Term of Use](#).
- For more information on safe digging practices, visit www.byda.com.au

Asset Owner Details

Below is a list of asset owners with underground infrastructure in and around your job site. It is your responsibility to identify the presence of these assets. Plans issued by Members are indicative only unless specified otherwise. Note: not all asset owners are registered with BYDA. You must contact asset owners not listed here directly.

Referral ID (Seq. no)	Authority Name	Phone	Status
269983653	Energex QLD	13 12 53	NOTIFIED
269983649	NBN Co Qld	1800 687 626	NOTIFIED
269983651	Reef Networks	1800 336 886	NOTIFIED
269983648	Sunshine Coast Regional Council	(07) 5475 8719	NOTIFIED
269983652	Telstra QLD South East	1800 653 935	NOTIFIED
269983650	Unitywater North	1300 086 489	NOTIFIED

END OF UTILITIES LIST



Plan

Plan your job. Use the BYDA service at least one day before your job is due to begin, and ensure you have the correct plans and information required to carry out a safe project.



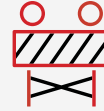
Prepare

Prepare by communicating with asset owners if you need assistance. Look for clues onsite. Engage a skilled Locator.



Pothole

Potholing is physically sighting the asset by hand digging or hydro vacuum extraction.



Protect

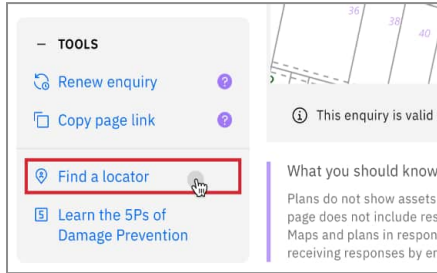
Protecting and supporting the exposed infrastructure is the responsibility of the excavator. Always erect safety barriers in areas of risk and enforce exclusion zones.



Proceed

Only proceed with your excavation work after planning, preparing, potholing (unless prohibited), and having protective measures in place.

Engage a skilled Locator



When you lodge an enquiry you will see skilled Locators to contact

Visit the Certified Locator website directly and search for a locator near you

certloc.com.au/locators

Get FREE Quotes for Contractors & Equipment Fast



Use iseekplant's FREE marketplace to get quotes for the equipment or services you need on your project. Compare quotes from trusted local contractors and get your project done on time and in budget.

1. Fill out your job details in our FREE quick quote form.
2. We send the request to trusted local contractors.
3. The local contractors will contact you directly with quotes

GET QUOTE

Use iseekplant to find trusted contractors near you today, visit:
blog.iseekplant.com.au/byda-isp-get-quotes

Book a FREE BYDA Session



BYDA offers free training sessions to suit you and your organisation's needs covering safe work practices when working near essential infrastructure assets. The free sessions are offered in two different formats - online and face-to-face.

To book a session, visit:
byda.com.au/contact/education-awareness-enquiry-form

BOOK NOW

Referral
269983653

Member Phone
13 12 53

Responses from this member

Response received Thu 19 Mar 2026 8.26am

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Assets and Planned Assets found Before You Dig Australia (BYDA) Request

Please DO NOT SEND A REPLY to this email as it has been automatically generated and replies are not monitored.

Our search has revealed there is existing and planned Energex Assets within the defined search area.

They are shown on the attached plan.

There is a possibility the planned Assets may have been installed prior to your enquiry.

You:

Mathew Harvey

BYDA Enquiry No:

269983653

Company:

Not Supplied

Date of Response:

19 Mar 2026

Search Location:

Lot 30 Sunshine Coast Parade
Maroochydore,
QLD 4558

Period of Plan Validity:

4 Weeks

External Comments (if any):

WARNING: When working in the vicinity of Energex's Assets You have a legal Duty of Care that must be observed.

It is important that You note:

1. Immediately report life threatening emergencies to Emergency Services on **000** or to ENERGEX on **13 19 62**.
2. Please read and understand all the information and disclaimers provided - including the Terms and Conditions on the attached pages.
3. We have only searched the area which has been nominated in the request. If this nominated area is not what You require, please resubmit another enquiry with BYDA.
4. Plans provided by ENERGEX are only an indication of the presence of underground assets within the nominated area. Locations provided are approximate and the plans are not suitable for scaling purposes, as exact ground cover and alignments cannot be provided. You must confirm the exact location of underground electrical equipment by use of an electronic cable locator followed by careful, non-mechanical excavation (ie, potholing).
5. Plans provided by ENERGEX do not encompass ENERGEX's overhead Assets.
6. ENERGEX, its servants or agents shall not be liable for any loss or damage caused or occasioned by the use of plans and details supplied pursuant to the BYDA Request and You agree to indemnify ENERGEX against any claim or demand for any such loss or damage to You, Your servants or Your agents.

7. You are responsible for any damage to Assets caused by works pursuant to or in any way connected with this BYDA Request.
8. In addition to Assets marked on attached plan, there could be underground earth conductors, underground substation earth conductors, Multiple Earthed Network (MEN) conductors, Single Wire Earth Return (SWER) Substation Earth Conductors, Air Break Switch (ABS) Earth Mats or Consumer Mains in the vicinity or private underground cables (inc. consumers' mains that may run from ENERGEX mains onto private property) in the vicinity of the nominated work area(s) that are not marked on the plans.
9. Independent underground cable locators can be found via the [Certified Locator website](#) with LV Cable (up to 1kV), HV Cable (1kV-<33kV) & HV cable (33kV and over) displayed.
10. The ENERGEX Before You Dig Australia (BYDA) information map(s) provide the vicinity of underground cable and will not be adequate for conveyancing purposes. A Request for Search (Property Search) can be arranged through ENERGEX.
11. The attached plans are only valid for a period of four weeks from receipt. If excavation does not commence within four weeks, a new plan must be obtained.
12. The ENERGEX BYDA map (named maps.pdf) may contain shaded area(s), indicating the location of planned work(s). Should You find planned works that You believe may affect Your planned work(s), please contact the ENERGEX BYDA team on the details listed below.
13. ENERGEX may contact You to discuss Your proposed excavation in the vicinity of feeders identified on the attached plan(s).
14. Do not access any Assets, for example conduits, cables, pits or cabinets.
15. Your work will need to comply with:
 - [Working near overhead and underground electric lines - Electrical safety code of practice 2020](#)
 - [Managing Electrical Risk in Workplace Electrical Safety Code of Practice \(2013\)](#)
 - [Excavation Work Code of Practice \(2021\)](#)
16. **NOTE:** Where Your proposed work location contains ENERGEX 33kV or greater Underground cables please access the [Energex before you dig Website](#) for more information.



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Life threatening emergencies only triple zero (000) or **13 19 62**

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E: byda@energyg.com.au

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If you are unable to launch any of the files for viewing and printing, you may need to download and install free viewing and printing software such as [Adobe Acrobat Reader \(for PDF files\)](#)



BYDA

Sequence: 269983653
Date: 19/03/2026

Scale: 1:1025
Tile No: **OVERVIEW**

**CAUTION - HIGH
VOLTAGE**

LEGEND

- Substation
- Cable Marker
- Pit
- Pole
- Pillar
- LV Cable (up to 1kV)
- HV Cable (1kV - <33kV)
- HV Cable (33kV and over)
- Pit Boundary
- Planned Work Area

AS5488 Category "D" Plan



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BYDA

Sequence: 269983653
Date: 19/03/2026

Scale: 1:500
Tile No: **Tile No: 1**

**CAUTION - HIGH
VOLTAGE**

LEGEND

- Substation
- Cable Marker
- Pit
- Pole
- Pillar
- LV Cable (up to 1kV)
- HV Cable (1kV - <33kV)
- HV Cable (33kV and over)
- Pit Boundary
- Planned Work Area

AS5488 Category "D" Plan



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BYDA

Sequence: 269983653
Date: 19/03/2026
Scale: 1:500
Tile No: **Tile No: 2**

CAUTION - HIGH VOLTAGE

LEGEND

- Substation
- Cable Marker
- Pit
- Pole
- Pillar
- LV Cable (up to 1kV)
- HV Cable (1kV - <33kV)
- HV Cable (33kV and over)
- Pit Boundary
- Planned Work Area

AS5488 Category "D" Plan



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BYDA

Sequence: 269983653
Date: 19/03/2026
Scale: 1:500
Tile No: **Tile No: 3**

CAUTION - HIGH VOLTAGE

LEGEND

- Substation
- Cable Marker
- Pit
- Pole
- Pillar
- LV Cable (up to 1kV)
- HV Cable (1kV - <33kV)
- HV Cable (33kV and over)
- Pit Boundary
- Planned Work Area

AS5488 Category "D" Plan



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BYDA

Sequence: 269983653
Date: 19/03/2026

Scale: 1:500
Tile No: **Tile No: 4**

**CAUTION - HIGH
VOLTAGE**

LEGEND

- Substation
- Cable Marker
- Pit
- Pole
- Pillar
- LV Cable (up to 1kV)
- HV Cable (1kV - <33kV)
- HV Cable (33kV and over)
- Pit Boundary
- Planned Work Area

AS5488 Category "D" Plan



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Responsibilities – (When Working in the Vicinity of Energex Assets)

Extreme care must be taken during non-mechanical or mechanical excavation as damage to Energex Assets can lead to injury or death of workers or members of the public. Assets include underground cables, conduits and other associated underground Asset used for controlling, generating, supplying, transforming or transmitting electricity.

In accordance with the Electrical Safety Act 2002, a Person Conducting a Business or Undertaking (PCBU) must ensure the person's business or undertaking is conducted in a way that is electrically safe. This includes:

- a) ensuring that all Assets used in the conduct of the person's business or undertaking are electrically safe;
- b) if the person's business or undertaking includes the performance of electrical work, ensuring the electrical safety of all persons and property likely to be affected by the electrical work; and
- c) if the person's business or undertaking includes the performance of work, whether or not electrical work, involving contact with, or being near to, exposed parts, ensuring persons performing the work are electrically safe.

In addition, a PCBU at a workplace must ensure, so far as is reasonably practicable, that no person, Asset or thing at the workplace comes within an unsafe distance of an underground electric line.

Workers and other persons must also take reasonable care for their own and other person's electrical safety. This includes complying, so far as is reasonably able, with any reasonable instructions given by Energex to ensure compliance with the [Electrical Safety Act 2002](#)

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E: byda@energyq.com.au

ABN: 40 078 849 055

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The following matters must be considered when working near Energex Assets:

The PCBU must ensure, so far as is reasonably practicable, that no person, Asset or thing at the workplace comes within an unsafe distance of an underground electric line (see section 68 of the [Electrical Safety Regulation 2013](#))

1. It is the responsibility of the architect, consulting engineer, developer and head contractor in the project planning stages to design for minimal impact and protection of Energex Assets.
2. It is the constructor's responsibility to:
 - a) Anticipate and request plans of Energex Assets for a location at a reasonable time before construction begins.
 - b) Visually locate Energex Assets by hand or vacuum excavation where construction activities may damage or interfere with Energex Assets.
 - c) notify Energex if the information provided is found to be not accurate or Assets are found on site that are not recorded on the Energex BYDA plans.
 - d) Read and understand all the information and disclaimers provided.

Note: A constructor may include but not limited to a PCBU, Designer, Project Manager, Installer, Contractor, Electrician, Builder, Engineer or a Civil Contractor

3. Comply with applicable work health and safety and electrical safety codes of practice including but not limited to:
 - a) Working near Assets – [Electrical safety codes of practice 2020](#)
 - b) Managing electrical risk in the workplace – [Managing Electrical Risks in the workplace Code of Practice 2021](#)
 - c) [Excavation work – Code of practice 2021](#)

IMPORTANT NOTES:

- As the alignment and boundaries of roadways with other properties (and roads within roadways) frequently change, the alignments and boundaries contained within Energex plans and maps will frequently differ from present alignments and boundaries "on the ground". Accordingly, in every case where it appears that alignments and boundaries have shifted, or new roadways have been added, the constructor should obtain confirmation of the actual position of Energex cables and pipelines under the roadways. In no case should the constructor rely on statements of third parties in relation to the position of Energex cables and pipelines. It is the applicant's responsibility to accurately locate all services as part of the design and/or prior to excavation.
- Energex does not provide information on private underground installations, including consumers' mains that may run from Energex mains onto private property. Assets located on private property are the responsibility of the owner for identification and location.
- Energex plans are circuit diagrams or pipe indication diagrams only and indicate the presence of Asset in the general vicinity of the geographical area shown. Exact ground cover and alignments cannot be given with any certainty; as such levels can change over time.
- All underground conduits are presumed to contain asbestos. Refer to the:
 - [Electrical safety codes of practice 2020](#)
 - [Model Code of Practice: How to manage and control asbestos in the workplace | Safe Work Australia](#)
 - [How to manage and control asbestos in the workplace code of practice 2021 \(Workplace Health and Safety Queensland \(WHSQ\)\)](#)
 - [How to safely remove asbestos code of practice 2021 \(WHSQ\)](#)
- Plans provided by Energex are not guaranteed to show the presence of above ground Assets.
- In addition to underground cables marked on attached plan there could be underground substation, underground earth conductors, Multiple Earthed Neutral(MEN) conductors, Single Wire Earth Return(SWER), substation Earth Conductors, ABS Earth Mats or Consumer Mains in the vicinity of private underground cables (inc. consumers' mains that may run from Energex mains onto private property) in the vicinity of the nominated work area(s) that are not marked on the plans.
- Being aware of Your obligations including but not limited to [ss 304, 305] Excavation work— underground essential services information under the [Work Health and Safety Regulation 2011](#) , Chapter 6 Construction work, Part 6.3 Duties of person conducting business or undertaking. This includes but is not limited to taking reasonable steps to obtain the current information & providing this information to persons engaged to carry out the excavation work. For further information please refer to: - <http://www.legislation.qld.gov.au/LEGISLTN/SLS/2011/11SL240.pdf>
- Energex plans are designed to be printed in colour and as an A3 Landscape orientation.

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Conditions – (When Working in the Vicinity of Energex Assets)

Records:

The first step before any excavation commences is to obtain records of Energex Assets in the vicinity of the work. For new work, records should be obtained during the planning and design stage. The records provided by Energex must be made available to all construction groups on site. Where Asset information is transferred to plans for the proposed work, care must be exercised to ensure that important detail is not lost in the process.

Plans and or details provided by Energex are current for four weeks from the date of dispatch and should be disposed of by shredding or any other secure disposal method after use. A new BYDA enquiry must be made for proposed works/activities to be undertaken outside of the four-week period.

Energex retains copyright of all plans and details provided in connection with Your request.

Energex plans or other details are provided for the use of the applicant, its servants, or agents, and shall not be used for any unauthorised purpose.

On receipt of BYDA plans and before commencing excavation work or similar activities near Energex's Assets check to see that it relates to the area You have requested and carefully locate this Asset first to avoid damage. If You are unclear about any information contained in the plan, You must contact Energex on the General Enquiries number listed below for further advice.

Energex, its servants or agents shall not be liable for any loss or damage caused or occasioned by the use of plans and or details so supplied to the applicant, its servants and agents, and the applicant agrees to indemnify Energex against any claim or demand for any such loss or damage.

The contractor is responsible for all Asset damages when works commence prior to obtaining Energex plans, or failure to follow agreed instructions, or failure to demonstrate all reasonable measures were taken to prevent the damage once plans were received from Energex.

Energex reserves all rights to recover compensation for loss or damage caused by interference or damage, including consequential loss and damages to its Assets, or other property.

NOTE: Where Your proposed work location contains Energex 33kV or greater Underground cables please access the [Energex BYDA website](#) for more information.

Location of Assets:

Examining the records is not sufficient, as reference points may change from the time of installation. Records must also be physically proven when working in close proximity to them. The exact location of Assets likely to be affected shall be confirmed by use of an electronic cable and pipe locator followed by **careful hand or vacuum excavation to the level of cable protection cover strips or conduits**. When conducting locations, please be aware that **no** unauthorised access is permitted to Energex Assets– including Pits, Low Voltage Disconnection Boxes, Low Voltage Pillars or High Voltage Link Boxes.

Hand or vacuum excavation must be used in advance of excavators. In any case, where any doubt exists with respect to interpretation of cable records, You must contact Energex on the General Enquires number listed below for further advice.

If the constructor is unable to locate Energex underground Assets within 5 metres of nominal plan locations, they must contact the Energex General Enquires number listed below for further advice.

If unknown cables or conduits (i.e. not shown on issued BYDA plans) are located during excavation:

1. Call the ELECTRICITY EMERGENCIES number listed below
2. Treat Assets as if alive, post a person to keep all others clear of the excavation until Energex crew attend to make safe.
3. All work in the vicinity of damaged Asset must cease and the area must be vacated until a clearance to continue work has been obtained from an Energex officer.

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Asset Installation Methods:

Energex Assets are installed with a variety of protection devices including:

1. Clay paving bricks or tiles marked "Electricity" or similar (also unmarked)
2. Concrete or PVC cover slabs
3. PVC, A/C or fibro conduit, fibre reinforced concrete, iron or steel pipe
4. Concrete encased PVC or steel pipe
5. Thin plastic marker tape
6. Large pipes housing multiple ducts
7. Multiple duct systems, including earthenware or concrete 2, 4, and 6-way ducts and shamrocks

Note: Some Assets are known to be buried without covers and may change depth or alignment along the route.

Excavating Near Assets:

For all work within 2.5 m of nominal location, the constructor is required to hand or vacuum excavate (pothole) and expose the Asset, hence proving its exact location before work can commence.

Cable protection cover strips shall not be disturbed. Excavation below these cover strips, or into the surrounding backfill material is not permitted.

Excavating Parallel to Assets:

If construction work is parallel to Energex cables, then hand or vacuum excavation (potholing) at least every 4m is required to establish the location of all cables, hence confirming nominal locations before work can commence. *Generally, there is no restriction to excavations parallel to Energex cables to a depth not exceeding that of the cable.* **Note: Cable depths & alignment may change suddenly.**

Separation from Assets:

Any service(s) must be located at the minimum separation as per the tables below:

Table 1. Minimum Separation Requirements for Underground Services Running Parallel with Energex Assets

(Minimum Separation required in mm)							
Voltage Level	Gas	Communication or TV	Water		Sanitary drainage		Storm Water
			≤DN 200	>DN200	≤DN 200	>DN 200	
LV	250	100	500	*1000	500	1000	500
HV		300					
*Contact Energex/council to obtain specific separation distances							

Table 2. Minimum Separation Requirements for Underground Services Crossing Energex Assets

(Minimum Separation required in mm)					
Voltage Level	Gas	Communication or TV	Water	Sanitary drainage	Storm Water
LV & HV	100	100	300	300	100

Where the above table does not list a separation requirement for a particular underground service then 300mm shall be used.

Excavating Across Assets:

The standard clearance between services shall be maintained as set down in Table 2 above. If the width or depth of the excavation is such that the Asset will be exposed or unsupported, then Energex shall be contacted to determine whether the Assets should be taken out of service, or whether they need to be protected or supported. In no case shall an Asset cover be removed without approval. An Asset cover may only be removed under the supervision of an Energex authorised representative. Protective cover strips when removed must be replaced under Energex supervision. Under no circumstances shall they be omitted to allow separation between Energex Assets and other services.

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Heavy Machinery Operation Over Assets:

Where heavy "Crawler" or "Vibration" type machinery is operated over the top of Assets, a minimum cover of 450 mm to the cable protective cover mains must be maintained using load bearing protection whilst the machinery is in operation. For sensitive cables (i.e. 33 and 110kV fluid and gas filled cables), there may be additional constraints placed on vibration and settlement by Energex.

Directional Boring Near Assets:

When boring parallel to Assets, it is essential that trial holes are carefully hand or vacuum excavated at regular intervals to prove the actual location of the Asset before using boring machinery. Where it is required to bore across the line of Assets, the actual location of the Asset shall first be proven by hand or vacuum excavation. A trench shall be excavated 1m from the side of the Asset where the auger will approach to ensure a minimum clearance of 500mm above and below all LV, 11kV, 33kV & 110/132kV Asset shall be maintained.

Explosives:

Explosives must not be used within 10 metres of Assets, unless an engineering report is provided indicating that no damage will be sustained. Clearances should be obtained from Energex's Planning Engineer for use of explosives in the vicinity of Energex cables.

Damage Reporting:

All damage to Assets must be reported no matter how insignificant the damage appears to be. Even very minor damage to Asset protective coverings can lead to eventual failure of Assets through corrosion of metal sheaths and moisture ingress.

If any Damaged Asset is found:

1. Call the ELECTRICITY EMERGENCIES number listed below
2. Treat Assets as if alive, post a person to keep all others clear of the excavation until Energex crew attend to make safe.
3. All work in the vicinity of damaged Asset must cease and the area must be vacated until a clearance to continue work has been obtained from an Energex officer.

Solutions and Assistance:

If Asset location plans or visual location of Asset by hand or vacuum excavation reveals that the location of Energex Asset is situated wholly or partly where the developer or constructor plans to work, then Energex shall be contacted to assist with Your development of possible engineering solutions.

If Energex relocation or protection works are part of the agreed solution, then payment to Energex for the cost of this work shall be the responsibility of the, PCBU, principal developer or constructor. Energex will provide an estimated quotation for work on receipt of the PCBU's, developer's or constructor's order number before work proceeds.

It will be necessary for the developer or constructor to provide Energex with a written Safe Work Method Statement for all works in the vicinity of or involving Energex Assets. This Safe Work Method Statement should form part of the tendering documentation and work instruction. Refer Interactive Tool on Safe Work Australia site: [Interactive SWMS guidance tool - Overview \(safeworkaustralia.gov.au\)](https://www.safeworkaustralia.gov.au/interactive-swms-guidance-tool-overview)

Vacuum Excavations (Hydro Vac)

When operating hydro vac equipment to excavate in vicinity of Assets fitted with:

- Nonconductive (neoprene rubber or equivalent) vacuum (suction) hose
- Oscillating nozzle on pressure wand with water pressure adjusted to not exceeding 2000 Pound force per Square Inch (PSI).

Maintain a minimum distance of 200mm between end of pressure wand and underground electrical Assets. DO NOT insert the pressure wand jet directly into subsoil.

Ensure pressure wand is not directly aimed at underground electrical Assets (cables/conduits).

Safety Notices (Underground Work)

It is recommended that You obtain a written Safety Advice from Energex when working close to Energex Assets. For Safety Advice please contact custserve@energex.com.au

Further information on Working Safely around Energex Assets: [Working near powerlines | Energex](#)

Thank You for Your interest in maintaining a safe and secure Electricity Distribution network. Energex welcomes Your feedback on this document via email to byda@energyq.com.au.

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Part of Energy Queensland

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

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Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

1. PURPOSE AND SCOPE

The purpose of this document is to set out the Electricity Entity requirements for anyone who may be contemplating working or operating plant near any Ergon Energy or Energex's overhead or underground electric lines.

2. DEFINITIONS, ABBREVIATIONS AND ACRONYMS

Term	Definition
Applicant	A person contacting or submitting an application to the Electricity Entity for Safety Advice.
Authorised Person	For work near an electrical line, means a person who has enough technical knowledge and experience to do work that involves being near to the electrical line; and has been approved by the person in control of the electrical line (Electricity Entity) to do work near to the electrical line.
Authorised Person (Electrical)	An Electrical Mechanic or Electrical Linesperson (holding current Queensland Licence) working on behalf of an electrical contractor, an Electrical Contractor, or a person who holds an electrical mechanic licence and is performing work for the person or a relative of the person at premises owned or occupied by the person or relative, and accredited with the Electricity Entity who is permitted to remove and replace LV service fuse(s) when isolation of customer LV service line is required to eliminate the exclusion zone around the LV service line, or to work on the customer's mains and / or switchboard.
Earthworks	Any digging, penetration or disturbance of ground including but not limited to post hole digging, excavating, trenching, directional boring, bore hole sinking, driving pickets/posts into ground, cut and fill, dam or levee bank construction, blasting.
Electricity Entity	Where Electricity Entity appears throughout this document, it relates to either Energex or Ergon Energy area of responsibility. Refer to respective contact details below. <u>Energex:</u> • General Enquiries - ph 13 12 53 • Loss of Supply - ph 13 62 62 • Emergencies - ph 13 19 62 <u>Ergon Energy:</u> • General Enquiries - ph 13 74 66 • Loss of Supply - ph 13 22 96 • Emergencies - ph 13 16 70
Exclusion Zone	A safety envelope around an electric line as specified by the Electrical Safety Regulation 2013.
RPA (Drone)	Australia's safety laws for remotely piloted aircraft (RPA) / drones are defined under the Civil Aviation Safety Authority. Under this definition the use of RPA's are not classified as Operating plant (section 5.2) as prescribed in this document.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

Term	Definition
Instructed Person	For an electrical line, means a person who is acting under the supervision of an Authorised Person for the electrical line.
Safety Advice	A written notice identifying the known electrical hazards at a specific site and advising the control measures required to be implemented by Responsible Person (person responsible for worksite) to reduce the likelihood of harm to person, plant or vehicle at site.
Safety Observer	A safety observer or “spotter”, for the operation of operating plant, means a person who: (a) observes the operating plant; and (b) advises the operator of the operating plant if it is likely that the operating plant will come within an exclusion zone for the operating plant for an overhead electric line. This is a person who has undergone specific training and is competent to perform the role in observing, warning and communicating effectively with the operator of the operating plant.
Untrained Person	For an electrical line, means a person who is not an Authorised Person or an Instructed Person for the electrical line.

3. REFERENCES

[Electrical Safety Regulation 2013](#): Part 5 - Overhead and Underground Electric Lines

[Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines](#)

[Work Health and Safety Act 2011](#)

[Work Health and Safety Regulation 2011](#)

Energex: [Safety Advice Request Form](#)

Ergon Energy: [Safety Advice Request Form](#)

Copies of the relevant Acts, Regulation and Codes of Practice and any other relevant legislation can be found on the Queensland Government web site - <https://www.worksafe.qld.gov.au/>.

Disclaimer

This document refers to various standards, guidelines, calculations, legal requirements, technical details and other information and is not an exhaustive list of all safety matters that need to be considered.

Over time, changes in industry standards and legislative requirements, as well as technological advances and other factors relevant to the information contained in this document, may affect the accuracy of the information contained in this document. Whilst care is taken in the preparation of this material, Energex and Ergon Energy do not guarantee the accuracy and completeness of the information. Accordingly, caution should be exercised in relation to the use of the information in this document.

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Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

4. ABOUT THIS GUIDE

This guide to working near the Electricity Entity network is designed to assist any person working, contemplating work or operating plant near any Electricity Entity overhead or underground electric lines to meet their duties under the Work Health and Safety Act 2011, Electrical Safety Act 2002, Electrical Safety Regulation 2013 and relevant Codes of Practice including Electrical Safety Code of Practice 2020 Working Near Overhead and Underground Electric Lines and help to identify the steps needed to ensure risks are minimised for all who work or are likely to be affected by the work in these situations.

“The Electrical Code of Practice 2020 Working Near Overhead and Under Ground Electric Lines” provides practical advice on ways to manage electrical risk when working near electric lines including the exclusion zones that apply. An electronic copy of this Code of Practice as well as, Electrical Safety Act and Regulation is available at the Queensland Government Electrical Safety Office web site at <https://www.worksafe.qld.gov.au/electricalsafety>. You should obtain a copy and read this material, to enable you to fully understand your obligations, and prospective means of complying with them.

4.1. Who does the Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines and Electricity Entity Requirements apply to?

A person, worker or Person Conducting a Business or Undertaking (PCBU) at a workplace is required to comply with the Electricity Entity Requirements and the requirements of Electrical Safety Regulation 2013 Part 5 Overhead and Underground Electric Lines and Electrical Safety Code of Practice 2020 Working Near Overhead and Underground Electric Lines to ensure that no person, plant or thing comes within an unsafe distance (exclusion zone) of an overhead electric line. Compliance with these regulatory requirements is essential to reduce the risk of electric shock and contact with Electricity Entity electric lines and other assets which can have deadly consequences.

Examples of work activities where risk of person, plant or equipment coming near or into contact with overhead electric lines include but are not limited to:

- Pruning or felling trees or vegetation near overhead electric lines, including the service wire into a building.
- Carrying out building work, scaffolding or demolition adjacent to overhead electric lines.
- Painting fascia, replacing roofing, guttering or external cladding near service line point of entry to a building.
- Operating cranes, tip trucks, cane harvesters, elevated work platforms, fork lifts, grain augers, excavators, irrigators, etc near OH electric lines.
- Erecting or maintaining advertising signs or billboards near overhead electric lines.
- Dam or levee bank construction.

Examples of work activities that could involve risk of damage to underground cables or earthing systems include but are not limited to:

- Digging holes, excavating, sawing, trenching, under boring, sinking bore holes, earthworks or laying cables, pipes, etc or driving implements into the ground (e.g. star pickets, fence posts) near where underground cables or earthing systems may be located.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

4.2. Are you working or planning to work near overhead or underground electric lines?

Electrical Safety Regulation Section 68 requires that before carrying out any work at a workplace where there is a risk of any person, plant or thing encroaching the exclusion zone of overhead electric lines, the person, worker or PCBU is required to ensure that the potential hazards are identified, a risk assessment conducted and the necessary control measures implemented to minimise electrical safety risks to ensure the safety of all workers and other persons at the workplace. The Electrical Safety Regulation 2013 and Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines detail the Exclusion Zones that must be maintained.

4.2.1 Work near overhead electric lines

Where a risk assessment has been conducted and control measures implemented in accordance with requirement of Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines and Electricity Entity Requirements (this document) and it has identified that exclusion zones from overhead electric lines cannot be maintained, the person, worker or PCBU is then required to contact Electricity Entity and request written Safety Advice (refer Section 4.3 below).

The person, worker or PCBU shall be required to maintain exclusion zones until such times as the Electricity Entity has provided written Safety Advice.

A person, worker or PCBU would not be required to contact the Electricity Entity and request a written Safety Advice where their risk assessment and implemented control measures ensure that exclusion zones from overhead electric lines will be maintained throughout performance of work to be undertaken at a particular site.

4.2.2 Exclusion Zones

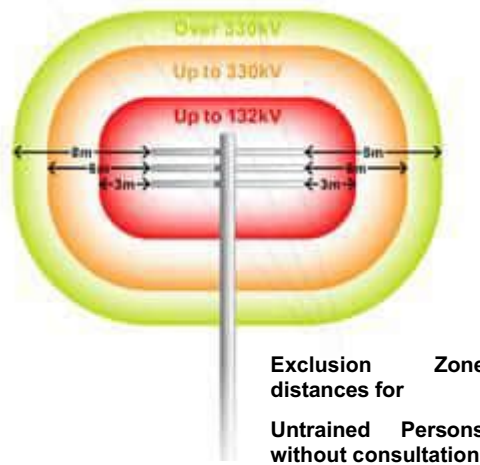
An exclusion zone is a safety envelope around an overhead electric line. No part of a worker, operating plant or vehicle should enter an exclusion zone while the overhead electric line is energised (live).

Exclusion zones keep people, operating plant and vehicles a safe distance from energised overhead lines.

You must keep yourself and anything associated with the work activity out of the exclusion zone (e.g. a safe distance) unless it is not reasonably practicable to do so; and the person conducting a business or undertaking complies with the requirements of Section 68(2) of the Electrical Safety Regulation in relation to:

- conducting a risk assessment.
- implementing control measures
- adhering to any requirements of an Electricity Entity responsible for the line

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



Exclusion Zone - Untrained Person (distances in mm)

Nominal phase to phase voltage of electric line	Untrained Person		
	Person	Operating Plant	Operating Vehicles
Insulated LV: Consultation with and verified by the Entity	No exclusion zone prescribed	1000	300
LV with NO consultation with Electricity Entity	3000	3000	600
LV With consultation with Electricity Entity	1000		
>LV up to 33 kV with NO consultation with Electricity Entity	3000		900
LV up to 33 kV with consultation with Electricity Entity	2000		
>33 kV up to 132 kV	3000	6000	2100
>132 kV up to 220 kV	4500		2900
>220 kV up to 275 kV	5000		
>275 kV up to 330 kV	6000		3400

(information extracted from Electrical Safety Regulation 2013 Schedule 2)

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

Exclusion Zone - Instructed Person and Authorised Person (distances in mm)

Nominal phase to phase Voltage of electric line	Instructed Person (IP) & Authorised Person (AP)		
	AP and IP	Operating Plant with Safety Observer or another Safe System of work	Operating of Vehicles
Insulated LV: Consultation with and verified by the Entity	No exclusion zone prescribed	No exclusion zone prescribed	No exclusion zone prescribed
LV	No exclusion zone prescribed	1000	600
>LV up to 33 kV	700	1200	700
>33 kV up to 50 kV	750	1300	750
>50 kV up to 66 kV	1000	1400	1000
>66 kV up to 110 kV		1800	
>110 up to 132	1200		1200
>132 kV up to 220 kV	1800	2400	1800
>220 kV up to 275 kV	2300	3000	2300
>275kV up to 330kV	3000	3700	3000

(information extracted from Electrical Safety Regulation 2013 Schedule 2)

4.2.3 Work near underground electrical lines (underground electrical assets)

Before carrying out any earthworks at a location, the person, worker or PCBU is required to ensure that the potential hazards are identified, a risk assessment conducted, and the necessary control measures implemented to minimise the risk of damaging identified or unidentified underground electrical assets and to ensure the safety of all workers and other persons at the workplace. The Electrical Safety Regulation 2013 and Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines and Electricity Entity Requirements detail the requirement for work near underground electric lines.

4.3. Obtaining Safety Advice

To obtain written Safety Advice where identified as being required in Section 4.2.1 above, complete the Safety Advice Request Form which is accessible via the Electricity Entity website:

Energex: [Safety Advice Request Form](#)

Ergon Energy: [Safety Advice Request Form](#)

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

On receipt, the Electricity Entity will contact the Applicant to advise date and time to meet at site to provide written Safety Advice. It is advisable to bring to the meeting your copy of the Electrical Safety Code of Practice 2020 Working Near Overhead and Underground Electric Lines (and Before You Dig Australia Plan for location of underground assets where required), as reference to this will be necessary during the meeting. Control measures provided by the Electricity Entity may incur a fee.

Failure to adhere to the Electrical Safety Regulation Section 68 requirements and mandatory control measures as documented on written Safety Advice as issued will result in written non-compliance advice being sent to the Electrical Safety Office.

Where this work is required to occur on a regular basis at a workplace, the PCBU may consider arranging to have one or more employees trained and subsequently accredited with the Electricity Entity as Authorised Persons.

4.4. Authorised Person and how to become one?

Under the Electrical Safety Regulation 2013, the exclusion zones for working near or operating plant or vehicles near exposed, low voltage or high voltage electric lines vary depending on whether a person is classed as an "Untrained Person", "Authorised Person" or "Instructed Person". An Authorised Person is permitted to carry out work closer to the electric lines than an Untrained Person (refer Electrical Safety Code of Practice 2020 Working Near Overhead and Underground Electric Lines Appendix B Exclusion Zones for Overhead Electric Lines).

To become an Authorised Person, the employer / self-employed person must first satisfy the "person in control" of the electric line, in this case the Electricity Entity, that their Applicants possess the required competencies. They must then apply in writing to Electricity Entity for approval.

Removal or replacement of LV service fuse to permit work on consumers' mains, installation switchboard, consumer's terminals or eliminate an exclusion that would exist requires the Electrical Mechanic to hold a current Queensland Electrical Mechanic Licence and perform the work in accordance with their documented safe system of work.

An 'Authorised Person' Electrical **must not**:

- a. confirm the insulation properties of Ergon Energy Network or Energex electric lines;
- b. work on or have direct contact with the works of an electricity entity (the works of Ergon Energy Network or Energex) including the entities' electrical lines, electrical installations, electrical equipment or other entity infrastructure unless specifically approved;
- c. replace a blown low voltage (**LV**) fuse after loss of supply to a customer's connection;
- d. reinstate an LV service fuse that has been removed by Ergon Energy Network or Energex;
- e. alter, remove or relocate an Ergon Energy Network or Energex overhead LV service line or LV pillar connection;
- f. perform LV isolation within locked Ergon Energy Network or Energex assets;
- g. perform unauthorised work within locked Ergon Energy Network or Energex assets; or
- h. climb Ergon Energy Network or Energex electricity poles or other infrastructure.

An Authorised Person' Electrical **is approved** to undertake the following activities:

- i. work on or near the point of attachment of Ergon Energy's or Energex's termination;
- j. remove and replace LV service fuses when required to isolate a service line to eliminate the exclusion zone around the LV service line, or to work on the Customer's consumer mains or switchboard;
- k. isolate a Customer's LV service line at an underground pillar or service pole by removing a fuse wedge(s) from a service line, in accordance with electricity industry practices; or

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

- I. Safety Observing under schedule 2 of the *Electrical Safety Regulation 2013 (Qld)* for the operation of operating plant, after receiving appropriate training to perform the role.

An 'Authorised Person' Non-Electrical **must not**:

- a. confirm the insulation properties of Ergon Energy Network or Energex electric lines;
- b. work on or have direct contact with the works of an electricity entity (the works of Ergon Energy Network or Energex) including the entities' electrical lines, electrical installations, electrical equipment or other entity infrastructure unless specifically approved; or
- c. climb Ergon Energy Network or Energex electricity poles or other infrastructure.

An 'Authorised Person Non-Electrical' **is approved** to undertake the following activities:

- d. Safety Observing under schedule 2 of the *Electrical Safety Regulation 2013 (Qld)* for the operation of operating plant, after receiving appropriate training to perform the role.

Websites

Energex: [Authorised person | Energex](#)

Ergon Energy: [Authorised person | Ergon Energy](#)

4.5. Contacting Electricity Entity for Safety Advice or Authorised Person Enquiries

By phone: Call Electricity Entity on General Enquiries phone number:

Energex:

- General Enquiries - ph 13 12 53

Ergon Energy:

- General Enquiries - ph 13 74 66

By email

Authorised Persons: AuthorisedPerson@energyq.com.au

Safety Advice: SafetyAdvice@energyq.com.au

Websites

Energex: [Safety advice | Energex](#)

Ergon Energy: [Safety advice | Ergon Energy](#)

5. OVERHEAD ELECTRIC LINES

The following table sets out preparatory work options that may be required to be performed by the Electricity Entity (or electrical contractor where identified as being permitted who is an Authorised Person - Electrical) to assist a person, worker or PCBU in minimising the electrical safety risks of, encroaching within the exclusion zone or, contact with electric lines.

Category of work		Description	Costing arrangement
Safety Advice	Base information	Provide Safety Advice (Can only be performed by the Entity)	Nil cost to customer.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

Category of work		Description	Costing arrangement
LV Service isolation	1. Isolation carried out by customer's electrical contractor	Isolation of overhead or underground service by removal of the service fuse(s). (Preferred option to isolate supply and eliminate the exclusion zone).	No involvement by the Electricity Entity. May be a cost charged by the customer's electrical contractor.
	2. Isolation carried out by Electricity Entity	Customer requested isolation of overhead or underground service by removal of the service fuse(s) or Customer requested physical disconnection and reconnection of overhead or underground service.	Cost to customer.
Insulation integrity verification	3. Verification of insulation integrity to reduce exclusion zone to no exclusion zone prescribed e.g. no contact permitted	Verification of insulation integrity to classify as insulated service - Insulation integrity can only be verified at the time of inspection - visual inspection is required before confirmation in all cases. When service insulation integrity verified - no exclusion zone prescribed e.g. no contact permitted. (Can only be performed by the Entity)	Cost to customer.
Service replacement	4. Open wire service, service fuse(s) at house/building	Replacement of service with new XLPE service cable and service fuse(s) installed at origin (pole end) of service to allow isolation of service. Insulation integrity can be verified for new XLPE services at the time of installation - visual inspection is required before confirmation.	Nil cost to customer for service replacement. Customer responsible for necessary installation, Mains Connection Box and service support bracket upgrade and associated costs if required.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

Category of work		Description	Costing arrangement
		Service installations where: a. the consumer's mains cannot be insulated and an exclusion zone must be maintained, and b. the service cannot be isolated at the service fuse. Service to be isolated by breaking the service cable connection to the LV mains at the pole. Service fuse(s) to be installed at origin (pole end) of service prior to reconnection.	Nil cost to customer for first disconnection and reconnection. Cost to customer for subsequent requests.
	5. All other service replacements	Customer requested replacement of existing service with new XLPE service cable to classify as insulated service, in lieu of isolation, to allow work close (no exclusion zone prescribed e.g. no contact permitted). Service fuse(s) to be installed at origin (pole end) of service.	Cost to customer for service replacement. Customer responsible for necessary installation, Mains Connection Box and service support bracket upgrade and associated costs if required.
Tiger Tails	Installation of Tiger Tails (for visual indication only - not for providing electrical insulation of LV mains)	Customer requested coverage of LV mains for visual indication only (not permitted on HV mains). The Entity may also fit tiger tails to LV service line for visual indication only.	Cost to customer.
Aerial Markers	Installation of aerial marker flags or rota markers (for visual indication only)	Customer requested temporary or permanent installation of appropriate aerial marker devices on LV or HV mains.	Cost to customer.
Switching	Customer requested switching	Customer requested switching to allow customer/contractor to work close (no exclusion zone prescribed e.g. no contact permitted).	Cost to customer.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

5.1. Isolation of supply to customer installation to eliminate exclusion zone around LV service line

An Electrical Mechanic (holding current Queensland Licence) working on behalf of an electrical contractor and accredited with the Electricity Entity as an Authorised Person (Electrical) is permitted to remove and replace LV service fuse(s) when isolation of customer LV service line is required to eliminate the exclusion zone around the LV service line, or to work on the customer's mains and/or switchboard. Isolation of the customer's LV service line by an Authorised Person (Electrical) is only permitted at an underground service pillar or service pole by removing a fuse wedge(s) from a service line, in accordance with Electricity Industry practices e.g. from ground level using appropriate insulated tools, PPE and insulating mats. In those situations where the service fuse/circuit breaker is not located at supply end of the LV service, contact the Electricity Entity to arrange for Safety Advice where elimination of exclusion zone around LV service line is required.

Any controls used by the Authorised Person (Electrical) to identify and confirm isolation and ensure supply to the customer's installation is not inadvertently re-energised shall comply with Electrical Safety Regulation 2013 Section 14 and 15 requirements.

NOTE: The Authorised Person (Electrical) will not be permitted to replace a blown LV service fuse(s) after loss of supply to a customer's installation or to alter the Electricity Entity overhead LV services. The low voltage pole top service fuse shall only be removed by use of an approved, in test, insulated telescopic pole device while standing at ground level and wearing class 00 insulating gloves. At no time is it permissible for an Authorised Person (Electrical) to climb or work aloft on the Electricity Entity's poles or assets unless approved by the Electricity Entity.

5.2. Operating Plant

It can be extremely difficult for operating plant operators to see overhead lines and to judge distances from them. Contact with overhead lines can pose a risk of grounding live conductors and electrocution.

In many cases the likelihood of damage or injury can be reduced by setting up and operating the machinery well clear of overhead electric lines.

In situations where operating plant is operated by an Authorised Person or Instructed Person without a Safety Observer or another safe system, the exclusion zone requirements (refer Section 1) for an Untrained Person applies (refer Electrical Safety Regulation 2013 Schedule 2 or Electrical Safety Code of Practice 2020 Working Near Overhead and Underground Electric Lines).

For an Authorised or Instructed Person and their Operating Plant to approach overhead electric lines closer than the exclusion zone distances for an Untrained Person, a Safety Observer or another safe system shall be used. Refer to the Electrical Safety Regulation 2013 and the Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines for exclusion zone distances for Authorised and Instructed Persons operating plant with a Safety Observer or another safe system.



Where a Safety Observer is used, the Safety Observer shall:

- Be trained to perform the role.
- Not be required to carry out any other duties at the time, and
- Not be required to observe more than one item of plant operating at a time, and
- Attend all times when the item of plant is operating.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

Other control measures for operating plant may include, but are not restricted to:

- Constructing physical barriers or height warning indicators either side of the overhead electric line that are lower than the maximum travel height permissible without encroaching within the exclusion zone of the overhead electric line.
- Applying appropriate signage at least 8 to 10 m either side of overhead electric lines.
- Arrange for visual indicators such as Rota Markers, Tiger Tails or aerial markers to fitted to the overhead electric lines - only erected by the Electricity Entity (tiger tails are only permitted on LV mains).
- Ground barriers, where appropriate.
- Informing workers of required work practices.
- Ensuring operators are aware of the height and reach of their machinery in both stowed and working positions.
- Lowering all machinery to the transport position when relocating.
- Providing workers with maps or diagrams showing the location of underground and overhead electric lines, and
- Where possible, directing work away from overhead electric lines not towards them.

5.3. Scaffolding Requirements

The following information provided is for guidance only and shall be read in conjunction with the Electrical Safety Regulation 2013, Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines and AS/NZS 4576:1995: Guidelines for Scaffolding.

Requirements shall be complied with where scaffolding is required to be erected within 4 m of nearby overhead electric lines:

- The scaffolding shall not be erected before contacting and obtaining Safety Advice from the Electricity Entity.
- Erection of scaffolding to comply with requirements of AS/NZS 4576:1995: Guidelines for Scaffolding.

The scaffolding can be either:

- nonconductive material scaffolding; or
- metallic scaffolding with solid nonconductive barriers (with no gaps, holes or cuts) securely fixed to the outside and/or top of the scaffolding to prevent encroachment within exclusion zones or contact with the energised mains.

Where scaffolding is erected within 3 m of nearby overhead electric lines:

- It shall be fitted with fully enclosed non-conductive solid barriers to prevent encroachment within exclusion zones or contact with the energised mains fully enclosed.
- The person required to erect and/or disassemble scaffolding as well as the required solid barrier affixed to the scaffolding should be an Authorised Person (approved in writing by the Electricity Entity - refer requirements of Section 1.4 of this Reference).
- A Safety Observer shall be used during performance of this work where there is a risk of encroachment within 3 m of nearby energised overhead electric lines for voltages up to 33 kV. Additional requirements may apply for voltage levels above 33 kV, contact the Electricity Entity for consultation.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

- Alternatively, consideration should be given to the de-energisation of the nearby electric lines where possible for the duration of this work. Additional requirements may apply for voltage levels above 33 kV, contact the Electricity Entity for consultation.
- Comply with the horizontal and vertical statutory clearances from overhead electric lines as set out in Electrical Safety Regulation 2013 Schedule 4.
- Persons are not permitted to go outside of or climb on top of the solid barrier fixed on the outside and/or top of the scaffolding.

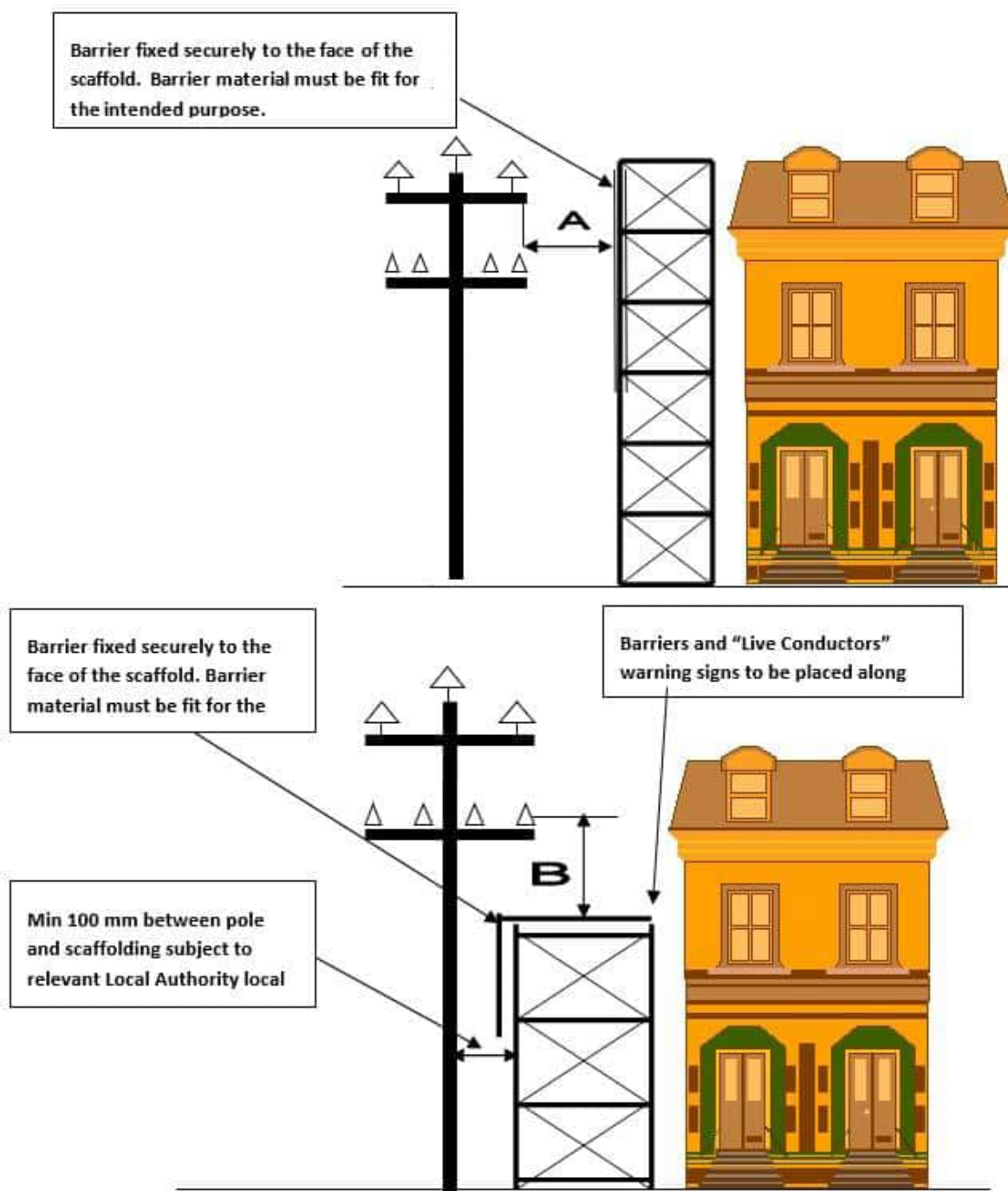
Where an insulated low voltage service line passes through the scaffolding, it should either be de-energised for duration of work or be fully enclosed by non-conductive material (e.g. form ply).

Minimum statutory clearances from nearby overhead electric lines for scaffolding erected with barriers affixed.

Voltage Level	Horizontal Distance "A" (in metres)	Vertical Distance "B" (in metres)
Low voltage conductors (uninsulated)	1.5m	2.7m
Low voltage conductors (insulated) - these distances can only be applied after the integrity of the insulation has been verified by the Electricity Entity	0.3m	0.6m
Above LV and up to 33 kV (uninsulated)	1.5m	3.0m
Above LV and up to 33 kV (insulated)	Contact Electricity Entity for consultation.	
Above 33 kV (uninsulated)	Additional requirements may apply for voltage levels above 33 kV, contact the Electricity Entity for consultation.	

NOTE: Dimensions "A" and "B" is between the scaffolding and the closest conductor of the overhead electric line. Dimension B is also taken from the lowest part of the mid span sag adjacent to the scaffolding.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



5.4. High Load transport under Overhead Electric Lines

Any person or company transporting a High Load (load in excess of 4.6 m high) under overhead electric lines must comply with Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines and is required to submit a Notification to Transport High Load form to the relevant Electricity Entity of the intended route and details of the high load involved. Before any person or company can transport a high load (load in excess of 4.6 m high), authorisation to travel must be received in writing from the Electricity Entity. Refer details below to contact the Electricity Entity for high load enquiries or to submit Notification to Transport High Load form:

Email: highloads@energyq.com.au

Phone: (07) 4932 7566 (7:30am to 3:00pm, Monday to Friday)

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

Energex: [Vehicles with high loads | Energex](#)

Ergon Energy: [Vehicles with high loads | Ergon Energy](#)

The Road Transport Operator has the overarching responsibility of transporting the load and is required to comply with the directions of the police, pilot, High Load Escort, and Energex / Ergon Energy Network.

When arranging the transporting of the high load, the Road Transport Operator shall determine the lowest practicable height that the load can be reduced to.

The Road Transport Operator is to have a Safe System of Work in place that supports the safe transportation of the High Load so as not to breach any exclusion zone to Entity powerlines or assets along the travel route.

5.5. Additional Details and Fact Sheets on Electricity Entity Requirements

Additional details and Fact Sheets on Electricity Entity requirements for working near overhead electric lines are located on the following internet sites

Energex: [Working near powerlines | Energex](#)

Ergon Energy: [Working near powerlines | Ergon Energy](#)

6. UNDERGROUND ELECTRICAL ASSETS

6.1. Responsibilities When Working in the Vicinity of Electricity Entity Underground Electrical Assets

Everyone has a legal “Duty of Care” that must be observed when working in the vicinity of underground electrical assets which includes underground cables, conduits and other associated underground equipment. When discharging this “Duty of Care” in relation to Electricity Entity underground electrical assets, the following points must be considered:

1. It is the responsibility of the architect, consulting Engineer, developer, and principal contractor in the project planning stages to design for minimal impact and protection of Electricity Entity underground electrical assets. The Electricity Entity will provide plans on request via BYDA showing the presence of the underground electrical assets to assist at this design stage.
2. It is the constructor’s responsibility to:
 - a. Anticipate and request BYDA plans of Electricity Entity underground electrical assets for a particular location at a reasonable time before earthworks begins.
 - b. Visually locate Electricity Entity underground electrical assets by use of an electronic cable locator followed by careful non-mechanical excavation (potholing using hydrovac or hand tools) when earthworks activities may damage or interfere with Electricity Entity plant.
 - c. After completion of steps (a) and (b) above, if there is a risk of the Electricity Entity underground electrical assets being damaged or its structural integrity compromised by your planned earthworks activities, contact the Electricity Entity (General Enquiries phone number - refer page 3) for further advice.

A constructor may include but not limited to designer, project manager, installer, contractor, civil contractor.

3. The alignments and boundaries contained within BYDA plans and maps will sometimes differ from present alignments and boundaries “on the ground”. Accordingly, in every case, the constructor should obtain confirmation of the actual position of Electricity Entity cables and pipelines under the roadways by non-mechanical excavation (potholing using hydrovac or

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

hand tools) when earthworks activities may damage or interfere with Electricity Entity underground electrical assets. In no case should the constructor rely on statements of third parties in relation to the position of Electricity Entity underground electrical assets.

6.2. Conditions of Supply of Information

- Plans and details of Electricity Entity underground electrical assets provided by BYDA are only current for 4 weeks from the date of dispatch and should not be referred to after this period, if you go past this time, please re-apply to BYDA as underground services may have been updated.



- The Electricity Entity agrees to provide plans if an Electricity Entity underground electrical assets location request is made to Before You Dig Australia (BYDA), online at <https://www.byda.com.au> or the free iPhone Application, only on the basis that at least 2 business day notice is given and the BYDA applicant agrees to the terms of this agreement.

Note that the Electricity Entity only provides information on underground electrical assets it owns. Contact the owner of any privately owned underground electrical assets for details of their assets located at site.

- The Electricity Entity retains copyright of all plans and details provided in connection to your request.
- BYDA plans or other details are provided for the use of the BYDA applicant, its servants, or agents, for the sole purpose of the applicant's responsibilities in relation to the Electricity Entity underground electrical assets and shall not be used for any other purpose.
- BYDA plans are diagrams only and indicate the presence of Electricity Entity underground electrical assets in the general vicinity of the geographical area shown. Exact ground cover and alignments cannot be given with any certainty as such levels can change over time.
- On receipt of BYDA plans and before commencing excavation work or similar activities near Electricity Entity's underground electrical assets, carefully locate this plant first to avoid damage.
- The Electricity Entity, its servants or agents shall not be liable for any loss or damage caused or occasioned by the use of plans and of details so supplied to the BYDA applicant, its servants or agents, and the BYDA applicant agrees to indemnify the Electricity Entity against any claim or demand for any such loss or damage to the BYDA applicant, its servants, or agents or to any third party.
- The constructor is responsible for all damages to the Electricity Entity underground electrical assets when work commences prior to obtaining BYDA plans, or at any time after that for failure to follow agreed instructions contained in this document or any other advice provided by the Electricity Entity.
- By undertaking any work, you acknowledge that the Electricity Entity reserves all rights to recover compensation for loss or damage to the Electricity Entity caused by interference or damage, including consequential loss and damage to its cable network, or other property.
- Be aware that some underground conduits may contain asbestos. Refer to "Code of Practice for the Management and Control of Asbestos in Workplace [NOHSC: 2018 (2005)]" for guidance.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

6.3. When Working in the Vicinity of Electricity Entity Underground Electrical Assets, You Must Observe the Following Conditions

6.3.1 Records

The first step before any excavation commences is to obtain BYDA plans of Electricity Entity underground electrical assets in the vicinity of the work. For new work, records should be obtained during the planning and design stage. The records provided by BYDA must be made available to all relevant work groups on site. Where underground electrical asset information is transferred to plans for the proposed work, care must be exercised that important detail is not lost in the process.

6.3.2 Location of underground electrical assets

Examining the records is not sufficient, as reference points may change from the time of installation. Records must also be physically proven when working in close proximity to underground electrical assets. The exact location of underground electrical assets likely to be affected shall be confirmed by use of an electronic cable locator followed by careful non mechanical excavation to the level of concrete slabs or conduits. Non mechanical excavation (potholing using hydrovac or hand tools) must be used in advance of excavators. In any case, where doubt exists with respect to interpretation of cable records, contact the Electricity Entity (General Enquiries phone number - refer page 3) for further advice.

If during excavation, cables or conduits are damaged:

- call Electricity Entity (Emergencies phone number - refer page 3) to report damaged cables or conduits.
- treat cables as if alive, post a person to keep all others clear of the excavation until the Electricity Entity crew attend to make safe.

If **unknown** cables or conduits (e.g. not shown on issued BYDA plans) are located during excavation:

- call Electricity Entity (Emergencies phone number - refer page 3) to report.
- treat cables as if alive, post a person to keep all others clear of the excavation until the Electricity Entity crew attend to make safe.

If the constructor is unable to locate Electricity Entity underground electrical assets within 2.5 m of nominal plan locations, they should contact the Electricity Entity (General Enquiries phone number - refer page 3) for further advice.

6.3.3 Remote or On-Site Cable Location conducted by Electricity Entity

This service shall only be provided at Electricity Entity's discretion:

- The Electricity Entity may provide this site visit only when underground cables (33 kV or above) are present.
- Due to remote locations where external cable locator or hydro vac service providers are not readily available, Electricity Entity may attend site and assist with cable location (fees may apply for this service).
- The Electricity Entity may provide either remote over the phone or on-site cable location advice to assist in the location of Electricity Entity underground electrical assets, including how to visually locate and protect the plant when excavating.
- Where the Electricity Entity provides on-site cable location advice, any markings provided for the purpose of identifying cable location are for general guidance only, and the constructor

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

is still responsible for non-mechanical excavation (potholing using hydrovac or hand tools) to visually locate Electricity Entity underground electrical assets.

- If the constructor is unable to locate Electricity Entity underground electrical assets within 2.5 m of nominal plan locations, they should contact Electricity Entity (General Enquiries phone number - refer page 3) to request further advice.

6.3.4 Electrical Cables

Electricity Entity cables may have warning covers e.g.:

- Clay paving bricks or tiles marked "Electricity" or similar (also unmarked)
- Concrete or PVC cover slabs
- PVC, asbestos or fibro conduit, fibre reinforced concrete, iron or steel pipe
- Concrete encased PVC or steel pipe
- Thin plastic marker tape
- Large pipes housing multiple ducts
- Multiple duct systems, including earthenware or concrete

NOTE: Some cables are known to be buried without covers.

6.3.5 Separation from Electricity Entity underground electrical assets

If location plans or visual location of Electricity Entity underground electrical assets by non-mechanical excavation (potholing using hydrovac or hand tools) reveals that the location of Electricity Entity underground electrical assets is situated where the developer or constructor plans to work, then contact the Electricity Entity (General Enquiries phone number - refer page 3) for further advice.

The developer or constructor shall ensure that minimum separation distance from Electricity Entity underground electrical assets (refer Minimum Separation Requirements tables below) is complied with when installing, altering or repairing other underground services located in the vicinity.

If the Electricity Entity relocation or protection works are part of the agreed solution, then payment to the Electricity Entity for the cost of this work shall be the responsibility of the principal developer or constructor. The Electricity Entity will provide an estimate for work on receipt of the developer's or constructor's order number before work proceeds.

It will be necessary for the developer or constructor to provide the Electricity Entity with a written Work Method Statement for all works in the vicinity of, or involving Electricity Entity underground electrical assets. This Work Method Statement should form part of the tendering documentation and work instruction. All Work Method Statements shall be submitted to the Electricity Entity prior to the commencement of site earthworks.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

Minimum Separation Requirements

Underground Services Running Parallel with Electricity Entity Electrical Assets (Minimum Separation required in mm)							
Voltage Level	Gas	Communication or TV	Water		Sanitary drainage		Storm Water
			≤DN 200	>DN200	≤DN 200	>DN 200	
LV	300 (Ergon)	100	500	*1000	500	1000	500
HV	250 (Energex)	300					
*Contact your local utility/council to obtain specific separation distances							

Underground Services Crossing Electricity Entity Electrical Assets (Minimum Separation required in mm)					
Voltage Level	Gas	Communication or TV	Water	Sanitary drainage	Storm Water
LV	100	100	300	300	100
HV					

Notes:

- These clearances are each Electricity Entity's minimum requirements, additional separation may be required by the Service Owner. The greater of the separation requirements shall apply.
- Where the above tables do not list a separation requirement for a particular underground service type, the following minimum separation from electricity entity electrical assets shall apply:
 - LV = 100 mm
 - HV = 300 mm
- Compliance with these minimum separation requirements does not guarantee that issues such as Earth Potential Rise (EPR) and Low Frequency Induction (LFI) are managed, where these issues need to be managed, advice will need to be sought from an RPEQ Engineer
- All separation distances are measured from the exterior surface of the conduit / cable not centrelines or inner wall surfaces.

6.4. Additional Details and Fact Sheets on Electricity Entity Requirements

Additional details and Fact Sheets on Electricity Entity requirements for working near underground electrical assets are located on the following internet sites.

Energex: [Working near powerlines | Energex](#)

Ergon Energy: [Working near powerlines | Ergon Energy](#)

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

7. EXCAVATION

7.1. Excavating near Poles and Stay Wires

The following requirements are to be compiled with to minimise the risk of compromising the structural integrity of the Electricity Entity poles and stay foundations when excavation or trenching work is performed nearby that could result in the failure of one or more poles and grounding of supported electric lines.

- Excavation and trenching work undertaken by a person, worker or PCBU in the vicinity of poles and stay foundations shall:
- only be commenced after requirements of Section 3 have been complied with for any underground electrical assets located within the work site.
- upon completion of excavation and site earthworks do not restrict the Electricity Entity vehicle access to pole site for purpose of carrying out maintenance activities.
- comply with exclusion zones as detailed in the Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines.
- not be attempted:
 - within 5 m (horizontal distance) of **pole stays** where the excavation depth is greater than 250 mm before contacting the Electricity Entity to determine requirements.
 - within 5 m (horizontal distance) of Electricity Entity poles with earth leads or cables running down into the ground before contacting the Electricity Entity to determine requirements.
 - within “Do Not Disturb” zone of pole prior to a certified engineering assessment having been completed by a Registered Professional Engineer Queensland, and then reviewed and approved by the Electricity Entity before proceeding with work. Approval by the Electricity Entity shall not relieve the PCBU of its duties to perform the work in a safe and proper manner and in accordance with all applicable legislation.
 - if the soil is exceedingly wet (saturated) or there is more than minimal wind loading unless additional pole support is provided in accordance with certified engineering assessment and approved by Electricity Entity.
 - when a severe weather event is occurring or expected (e.g. severe weather warning has been issued by Bureau of Meteorology).
- be backfilled as soon as possible (within same day where pole is required to be supported) soil mechanically compacted in layers of 150 mm and all rock and vegetable material excluded from the backfill.
- be backfilled and pole stabilised before removal of additional support required by a certified engineering assessment are permitted to be removed.

The PCBU shall be responsible for arrangement and costs of required certified engineering assessments, approvals by other regulatory bodies (eg councils, Main Roads, pipeline owners, telecommunication owners) and placement and removal of associated pole supporting equipment.

Electricity Entity poles must not be fitted with non-approved pole holding devices.

Only approved mechanical holding devices (e.g. Proline, Borer Lifter, etc) used in accordance with a certified engineering assessment are permitted and shall be:

- only attached and removed by the Electricity Entity or persons approved by the Electricity Entity.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

- used to restrain both the pole head and foot to maintain pole stability during nearby excavation work.
- set up and positioned to maximise support effectiveness and minimise impact on traffic, pedestrian, excavation and machinery at site; and maintain exclusion zone from overhead lines. If insufficient clearance exists to maintain exclusion zones to pole supporting equipment, arrangements may be required for de-energising the electric line.

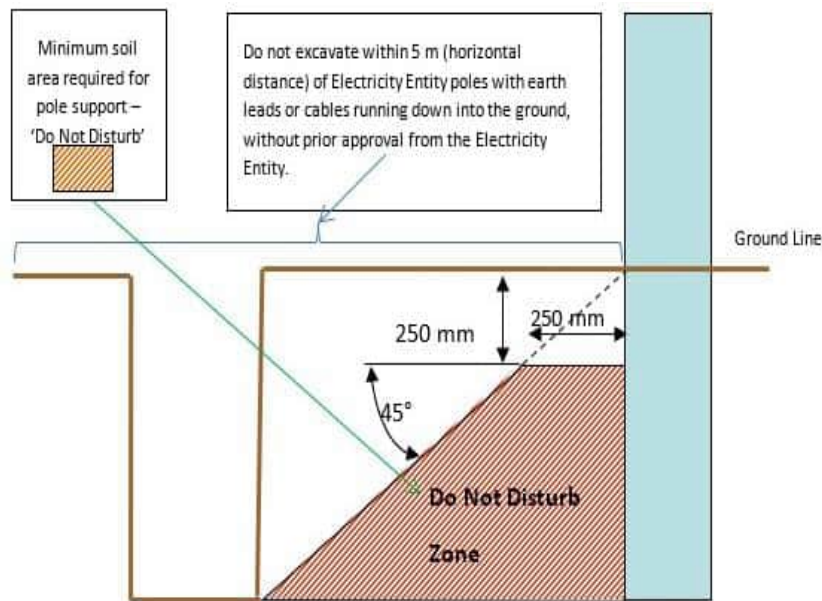


Figure 1 - Do Not Disturb Zone requirements when excavating near poles

Maximum Trench Depth	Minimum Distance from pole without pole support
Not more than 0.25 m (250 mm)	Can trench or hand dig (where cables and leads exist) right up to pole
1.0 m	1.0 m
1.5 m	1.5 m
2.0 m	2.0 m
2.5 m	2.5 m
3.0 m	3.0 m

7.1.1 Certified Engineering Assessment

Where required to be provided by the PCBU, a Certified Engineering Assessment shall:

- Ensure the stability of the Electricity Entity poles and foundations is maintained during and as a result of excavation work completed within the 'Do Not Disturb' zone.
- Include detailed design drawing of pole support method.
- Be completed and certified by a Registered Professional Engineer Queensland.
- Consider and address the following key points as a minimum:
 - Pole loading (vertical and lateral) including line deviation angles, direction of lean (towards or away from resultant loading)

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

- Direction of pole lean.
- Pole inspection (conducted to meet the Electricity Entity's requirements at customer cost)
- Pole foundation depth
- Proximity of excavation in relation to pole
- Soil condition
- Proposed shoring methods as well as installation and removal process
- Duration and staging of work
- Requirement to independently support pole during work
- Proximity of existing adjacent underground services and excavations
- Proposed backfilling and reinstatement method
- Monitoring and engineering/ geotechnical supervision during excavation work progress
- Other equipment attached to pole (e.g. underground cables, transformer, ACR, ABS.) must be taken into consideration and in some circumstances will prevent the pole being supported.

7.2. Excavating Near Underground Electrical Assets

For all work within 2.5 m of nominal location, the constructor is required to use non-mechanical excavation (potholing using hydrovac or hand tools) and expose the underground electrical assets, hence proving its exact location before earthworks can commence.

7.2.1 Excavating Parallel to Underground Electrical Assets

If excavation work is parallel to the Electricity Entity underground electrical cables, then non mechanical excavation (potholing using hydrovac or hand tools) at least every 4 m is required to establish the location of all cables, hence confirming nominal locations before work can commence. If an excavation exceeds the depth of the cables and it is likely that the covers or bedding material around the cables/pipes will move causing Electricity Entity cables or conduits to be unsupported, contact Electricity Entity (General Enquiries phone number - refer page 3) for further advice.

NOTE: Be aware that cable depths and directions may change suddenly along the route.

7.2.2 Excavating Across Underground Electrical Assets

Refer Minimum Separation Requirements table in Section 6.3.5 of this document for distances that shall be maintained to prevent inadvertent contact with or damage to underground electrical assets. If the width or depth of excavation is such that the Electricity Entity cables will be unsupported, contact Electricity Entity (General Enquiries phone number - refer page 3) for further advice. In no case shall a cable cover be removed without approval. A cable cover may only be replaced under the supervision of an Electricity Entity officer. Protective cover strips when removed must be replaced under Electricity Entity supervision. Under no circumstances shall protective cover strips be omitted to achieve the minimum separation distance required between Electricity Entity cables and other underground services.

7.2.3 Heavy Machinery Operation Over Underground Electrical Assets

Where heavy "crawler" or "vibration" type machinery is operated over the top of cables, a minimum cover of 450 mm to the cable protective cover must be maintained. Alternatively, subject to a Certified Engineering Assessment, use load bearing protection whilst the machinery is in operation.

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7.2.4 Directional Boring Near Underground Electrical Assets

When boring parallel to cables, it is essential that trial holes are carefully dug using non mechanical excavation (pot holing using hydrovac or hand tools) at regular intervals to prove the actual location of the conduits/cables before using boring machinery. Where it is required to bore across the line of cables/conduits, the actual location of the cables/conduits shall be proven by non-mechanical excavation (pot holing using hydrovac or hand tools). A trench shall be excavated 1 m from the side of the cables where the auger will approach to ensure a minimum clearance of 500 mm from cables/conduits can be maintained.

7.2.5 Hydro Vac Operation

When operating hydro vac equipment to excavate in vicinity of underground electrical assets (cables/conduits):

- Fitted with:
 - nonconductive (neoprene rubber or equivalent) vacuum (suction) hose.
 - oscillating nozzle on pressure wand with water pressure adjusted to not exceeding 2000 psi.
- Maintain a minimum distance of 200 mm between end of pressure wand and underground electrical assets. DO NOT insert the pressure wand jet directly into subsoil.
- Ensure pressure wand is not directly aimed at underground electrical assets (cables / conduits).

7.3. Blasting

Explosives must not be used within 5 m of cables/conduits, unless an engineering report is provided indicating that no damage will be sustained. Clearances shall be obtained from the Electricity Entity for use of explosives in the vicinity of cables/conduits. Contact Electricity Entity (General Enquiries phone number - refer page 3) for further advice.

The Electricity Entity will accept the level of 25 mm / sec as a peak component particle velocity upper limit as defined in AS 2187.2 Appendix J for blasting operations in the vicinity of these power lines.

Electric line insulators and conductors are particularly susceptible to damage from fly rock and adequate control measure including the use of blast mats shall be used to manage this. Contact Electricity Entity for consultation and application.

8. REPORTING DAMAGE CAUSED TO OVERHEAD OR UNDERGROUND ELECTRIC LINES

Any damage caused to the Electricity Entity overhead electric lines, poles, stays, underground cables, conduits and pipes must be reported no matter how insignificant the damage appears to be. Even very minor damage to cable protective coverings can lead to eventual failure of cables through corrosion of metal sheaths and moisture ingress.

All work in the vicinity of damaged overhead or underground electric lines shall cease and the area be made safe and vacated until clearance to continue earthworks has been obtained from the Electricity Entity. Call Electricity Entity (Emergencies phone number - refer page 3).

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

9. INFRASTRUCTURE NEAR ELECTRIC LINES

9.1. Easements and Wayleaves

This information, whilst not a legal document, has been developed to assist the community in answering some commonly asked questions about our easements and wayleaves, and briefly outlines what you can do where land is affected by an easement or where consent to installing electrical infrastructure has been given.

9.1.1 What is an Electricity Easement?

An electricity easement is the authority held by the Electricity Entity to use your land near overhead and underground electric lines and substations (electrical assets). Electricity Entity holds this authority for your own safety and to allow employees access to electrical assets at all times. Whilst it will depend on the terms of the particular grant of easement, electrical easements generally give the Electricity Entity the right to access, maintain, repair, rebuild and to restrict development within a defined area.

The easement, which is registered on the property's title, contains a plan showing the dimensions of the easement and its location on the property together with the rights and restrictions over the easement area. The Department of Natural Resources and Mines <https://www.resources.qld.gov.au/> or your solicitor will be able to provide this information. Easements may also exist for telephone lines, water and sewage mains and natural gas supply lines.

9.1.2 Why are easements necessary?

Easements are also created to allow the Electricity Entity clear, 24 hour access to the electric lines. It is important to keep the easement clear at all times so regular maintenance, line upgrades, damage or technical faults can be attended to immediately to provide a safe and reliable supply of electricity. Interference with Electricity Entity's rights and electrical equipment may compromise safety of the public and the occupiers of the property. Therefore, it is essential that Electricity Entity's rights are understood and observed.

9.1.3 How do I know if there are easements on my property?

Contact your solicitor or The Department of Natural Resources and Mines to obtain a Title Search that shows all registered easements on the property.

9.1.4 Who owns the land the easement is on?

The ownership of that land encumbered with the easement remains with the property owner.

9.1.5 How does an easement affect what I can do with my property?

An easement controls what you can build, what size trees you can plant and what outdoor activities you can carry out in the easement area.

An easement affects the use of the property by limiting the development that can be undertaken within the easement area. The exact rights granted to an Electricity Entity under an electricity easement will depend on the wording used in the grant of easement. Property owners and occupiers should also be aware that an Electricity Entity has the right of access to land to undertake certain works (including reading meters and disconnecting supply). These rights of access are granted by Queensland legislation not the easement and so may not be registered on the property's title and therefore may not be revealed in a Title Search.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

9.1.6 Who is responsible for maintenance of easement area?

You must provide a continuous, unobstructed area along the full length of the easement to allow an Electricity Entity access to electric lines, transformers, underground cables and other equipment at all times. A width of 4.5 m is typically required for the safe passage of vehicles and heavy plant.

You must NOT place obstructions in the easement within 5 m of any electric lines, transformer, power pole, equipment or supporting wire.

Maintenance of the easement area is generally the responsibility of the property owner and/or occupier, however, complying with regulatory and safety requirements associated with Electricity Entity's electrical assets within the easement area is the responsibility of the Electricity Entity.

9.1.7 What type of maintenance work does Electricity Entity undertake on easements?

To enable Electricity Entity to construct, maintain, repair and rebuild electric lines on some properties, access roads and tracks are required on or adjacent to the easement area. As required, Electricity Entity is able to construct access tracks, retain the right of use of these tracks and maintain them to a suitable level to permit access for its vehicles. Where gates are installed within the easement area, an Electricity Entity lock may be required to enable continual access along the easement corridor.

In addition, periodic vegetation management works are also undertaken by Electricity Entity to ensure that a specified minimum clearance between vegetation and the electric lines is maintained.

Where possible, property owners will be contacted prior to easement maintenance and vegetation works commencing.

9.1.8 Where consent (Wayleave) to installing Electricity Entity infrastructure has been given

Much of Electricity Entity's above ground electricity network is constructed without easements. Instead, the consent of the owner of the affected land is obtained and the electrical infrastructure is installed. Historically this consent has been in the form of a document known as a Wayleave.

This consent (or Wayleave) is a document evidencing the agreement from a particular owner, but it is not registered on the title of the land like an easement.

Once consent is obtained from an owner, Queensland legislation (the Electricity Act 1994) says that the consent of all future owners to the electrical infrastructure is not required.

Queensland legislation grants Electricity Entity rights to access, maintain, repair and replace electrical assets installed with consent.

9.2. Contact Electricity Entity when planning construction work near electric lines

When planning and before commencement (regardless of whether or not local council approval is required), it is essential to confirm that the proposed construction work (e.g. building, structure, sign, crane, scaffold) does not breach the minimum statutory clearance distances that must be maintained from nearby Electricity Entity overhead or underground electric lines. Refer Electrical Safety Regulation 2013, Schedule 4 and 5 for information on statutory clearance distances that must be complied with.

It is extremely dangerous and potentially life threatening to allow anything to come in close proximity to the conductors of an electric line.

We advise not to build **under** or **near** powerlines or add to a structure under or near powerlines. This can cause exclusion zones to be encroached, which may endanger others now and in the future. Please note obligations under section 30 of the Electrical Safety Act 2002 and sections 68 of the Electrical Safety Regulation 2013.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

There is an obligation to notify the Electricity Entity, before any work starts, where work is likely to involve a building or other structure coming within clearance requirements for an overhead or underground electric line.

Where it is necessary for an Electricity Entity to relocate electric lines due to statutory clearance breach caused by work performed nearby, the Electricity Entity may be entitled to recover costs from the PCBU, property owner or occupier who caused the breach. Refer Electrical Safety Regulation 2013, Section 209 Building or adding to structure near electric lines.

Although it is preferred that the area around Electricity Entity electrical assets (including within an Easement area) is free of development, the following examples provide property owners and occupiers with an indication of what type of development is acceptable and what is not.

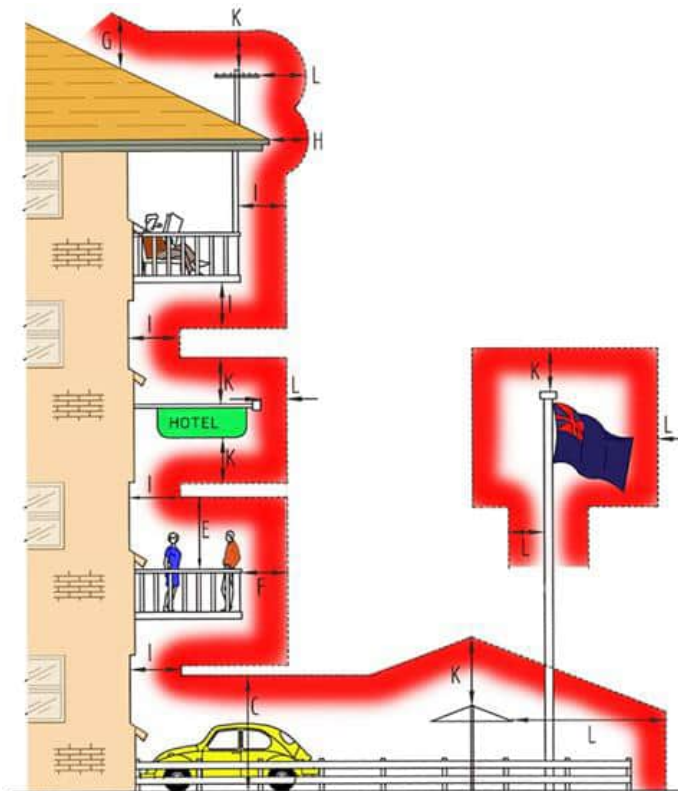
NOTE: Do not assume that your local council approval is sufficient approval for you to proceed with your work. The local council may not check whether or not your proposed construction work will comply with the Electricity Entity's statutory clearance requirements.

9.3. What clearances must be maintained once construction work is completed?

Electrical Safety Regulation 2013, Schedule 4 - Clearance of overhead electric lines and Schedule 5 - Clearance of low voltage overhead service lines detail the statutory clearances that must be maintained from overhead electric lines for completed buildings and structures. These statutory clearances will need to be taken into consideration during the planning phase of determining the location for a building or structure. The table below sets out the minimum statutory clearances required for voltage levels up to 33 kV. Additional requirements may apply for voltage levels above 33 kV, contact the Electricity Entity for consultation.

Where the Electricity Entity has identified a breach of statutory clearance resulting from erection of a building or structure, the statutory breach will be reportable to the Electrical Safety Office as a Dangerous Electrical Event and any costs incurred in subsequent remedial work to achieve required statutory clearances may be recovered from the person or company who caused the breach of statutory clearance.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



CODE	LOCATION	DIRECTION	INSULATED CABLE (ABC) (Note 1)	BARE	MORE THAN 1000 VOLTS BUT NOT MORE THAN 33kV
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MINIMUM CLEARANCE FROM ROADS, GROUND, OR BOUNDARIES

A	Crossing the carriageway, roadway	VERTICALLY	5.5m	5.5m	6.7m
A1	Designated "Over Dimension Routes"	VERTICALLY	7.0m	7.0m	7.5m
B	At other positions, footpath	VERTICALLY	5.5m	5.5m	5.5m
C	Other than roads but trafficable	VERTICALLY	5.5m	5.5m	5.5m
C1	Areas totally inaccessible to traffic or mobile machinery	VERTICALLY	4.5m	4.5m	4.5m
D	Cuttings, embankments, easement boundaries	HORIZONTALLY	1.5m	1.5m	2.1m
X	Real Property Boundaries	HORIZONTALLY	0.0m	0.0m	0.0m

MINIMUM CLEARANCE FROM STRUCTURES AND BUILDINGS

E F	Unroofed terraces, balconies, sun-decks, paved areas, etc, subject to pedestrian traffic only. A hand rail or wall surrounding such an area and on which a person may stand. (Note)	VERTICALLY AND HORIZONTALLY (Note)	2.7m 1.2m	3.7m 1.5m	4.6m 2.1m
G H	Roofs or similar structures not used for traffic or resort but on which a person may stand. A parapet surrounding such a roof and on which a person may stand. (Note)	VERTICALLY AND HORIZONTALLY (Note)	2.7m 0.9m	3.7m 1.5m	3.7m 2.1m
I	Covered places of traffic or resort such as windows which are capable of being opened, roofed open verandahs and covered balconies.	IN ANY DIRECTION	1.2m	1.5m	2.1m
J	Blank walls, windows which cannot be opened. (Note)	HORIZONTALLY	0.6m	1.5m	1.5m
K L	Other structures not normally accessible to persons. (Note)	VERTICALLY HORIZONTALLY (Note)	0.6m 0.3m	2.7m 1.5m	3.0m 1.5m

NOTE:

The vertical clearance and the horizontal clearance specified shall be maintained.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

The following list of examples is not exhaustive, and it may be necessary to contact the Electricity Entity if doubt exists as to what is permitted around electricity assets.

<i>What is PERMITTED around Electricity Entity overhead or underground electric lines</i>	<i>What is NOT PERMITTED around Electricity Entity overhead or underground electric lines</i>
✓ Erection of fences to a maximum height of 2.4 m is generally acceptable, provided they do not affect access to, and work on, the poles, electric lines and/or cables. Trees, shrubs and plants should be located clear of vehicle access. Note: Maximum Growth Height of 3 m. ✓ Clothes hoists and barbecues should be located clear of the vehicle access way. Note: Maximum Height 2.5 m. ✓ Installation of underground utility services, such as low voltage electricity, gas, telephone and water, is generally acceptable, subject to clearances from Electricity Entity poles and supporting structures, and underground electric mains. ✓ Excavating, filling and altering of nearby land may be acceptable but full details need to be provided to the Electricity Entity for assessment. ✓ Vehicles, mobile plant and equipment within the easement area need to maintain the minimum statutory clearances distances from overhead electric lines. Normal farming, grazing and other agricultural activities can be carried out. Take care when ploughing or operating mobile machinery or irrigation equipment near Electricity Entity's equipment. ✓ Parking of vehicles, trucks, trailers, etc. is normally allowed. Note: Maximum Load and Aerial Height of 4 m. Barriers of an approved design (e.g. bollards) may be required to protect poles from vehicle contact damage. Heavy vehicle or operating plant crossings may need a protective concrete cover to ensure underground cables are not damaged.	✗ Build houses, sheds, garages or other large structures. Building of roofed/unroofed verandas, swimming pools and pergolas are generally not acceptable. ✗ Flying kites or model aircraft within the easement. ✗ Driving fence posts or stakes into ground within easements where there is underground cabling. ✗ Storing liquids such as petrol, diesel fuel, or any flammable or combustible material that will burn. ✗ Installing lighting poles. ✗ Stockpiling soil or garbage within the easement. ✗ Planting trees in large quantities that could create a fire hazard or that grow in excess of the approved maximum height of 3 m. ✗ Storing or using explosives. ✗ Residing in or occupying any caravan or mobile home within an easement. ✗ Placing obstructions within the vicinity of any Electricity Entity assets (e.g. power pole, overhead electric line, equipment or pole stay) that impede access to or work on these assets.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

9.4. What about Electric and Magnetic Fields?

The Electricity Entity operates its electric lines within the current guidelines set by the National Health and Medical Research Council for exposure to 50/60 hertz electric and magnetic fields (EMF) and is mindful of some community concern about such fields and health. Contact the Electricity Entity (General Enquiries phone number - refer page 3). Alternatively, further information can be sourced from:

Energy Networks Association (ENA) brochure - "Electric and Magnetic Fields - What We Know", January 2014

http://www.ena.asn.au/sites/default/files/emf-what-we-know-jan-2014-final_1_1.pdf

Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) brochure - "Electricity and Health", May 2011

http://www.arpansa.gov.au/RadiationProtection/Factsheets/is_electricity.cfm

Referral

269983649

Member Phone

1800 687 626

Responses from this member

Response received Thu 19 Mar 2026 11.19am

File name	Page
Response Body	50
269983649_20260319_011834093764_1.pdf	51
4678_NBN_Dial_Before_You_Dig_Poster_20170517.pdf	54
Disclaimer_269983649_20260319_011834093764.pdf	56

Hi Mathew Harvey,

Please find attached the response to your DBYD referral for the address mentioned in the subject line. The location shown in our DBYD response is assumed based off the information you have provided. If the location shown is different to the location of the excavation then this response will consequently be rendered invalid.

Take the time to read the response carefully and note that this information is only valid for 28 days after the date of issue.

If you have any further enquiries, please do not hesitate to contact us.

Regards,
Network Services and Operations
NBN Co Limited
P: 1800626329
E: dbyd@nbnco.com.au
www.nbnco.com.au

Confidentiality and Privilege Notice

This e-mail is intended only to be read or used by the addressee. It is confidential and may contain legally privileged information. If you are not the addressee indicated in this message (or responsible for delivery of the message to such person), you may not copy or deliver this message to anyone, and you should destroy this message and kindly notify the sender by reply e-mail. Confidentiality and legal privilege are not waived or lost by reason of mistaken delivery to you. Any views expressed in this message are those of the individual sender, except where the sender specifically states them to be the views of NBN Co Limited

Please Do Not Reply To This Mail

To: Mathew Harvey
Phone: Not Supplied
Fax: Not Supplied
Email: mathewharvey@projexpartners.com.au

Dial before you dig Job #:	52665858	
Sequence #	269983649	
Issue Date:	19/03/2026	
Location:	Lot 30 Sunshine Coast Parade , Maroochydore , QLD , 4558	

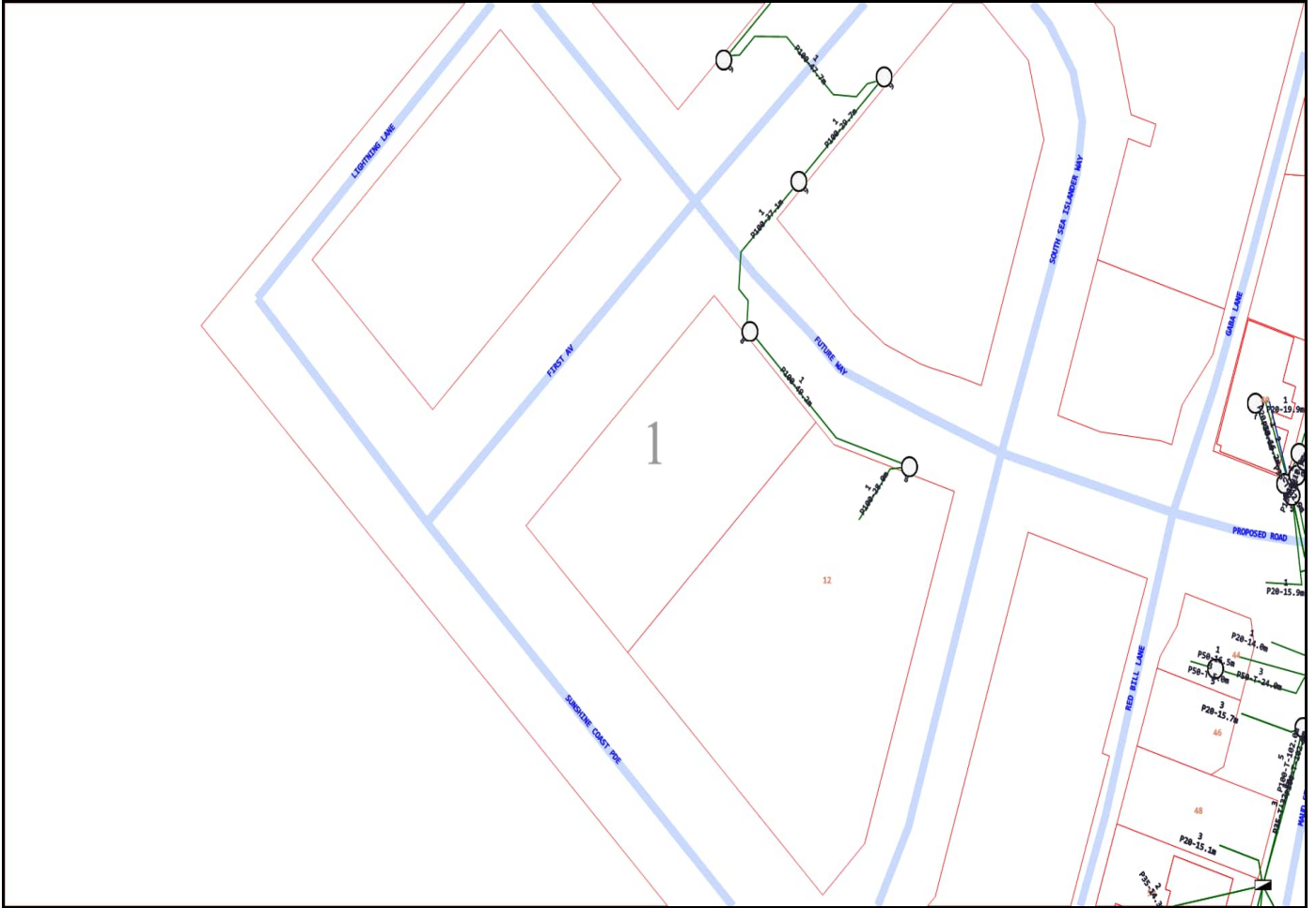
Indicative Plans are tiled below to demonstrate how to layout and read nbn asset plans



LEGEND



	Parcel and the location
	Pit with size "5"
	Power Pit with size "2E". Valid PIT Size: e.g. 2E, 5E, 6E, 8E, 9E, E, null.
	Manhole
	Pillar
	Cable count of trench is 2. One "Other size" PVC conduit (PO) owned by Telstra (-T-), between pits of sizes, "5" and "9" are 25.0m apart. One 40mm PVC conduit (P40) owned by NBN, between pits of sizes, "5" and "9" are 20.0m apart.
	2 Direct buried cables between pits of sizes, "5" and "9" are 10.0m apart.
	Trench containing any INSERVICE/CONSTRUCTED (Copper/RF/Fibre) cables.
	Trench containing only DESIGNED/PLANNED (Copper/RF/Fibre/Power) cables.
	Trench containing any INSERVICE/CONSTRUCTED (Power) cables.
	Road and the street name "Broadway ST"
Scale	0 20 40 60 Meters 1:2000 1 cm equals 20 m



Emergency Contacts

You must immediately report any damage to the **nbn**[™] network that you are/become aware of. Notification may be by telephone - 1800 626 329.



Working near **nbn**TM cables

nbn has partnered with Dial Before You Dig to give you a single point of contact to get information about **nbn** underground services owned by **nbn** and other utility/service providers in your area including communications, electricity, gas and other services. Contact with underground power cables and gas services can result in serious injury to the worker, and damage and costly repairs. You must familiarise yourself with all of the Referral Conditions (meaning the referral conditions referred to in the DBYD Notice provided by **nbn**).

Practice safe work habits

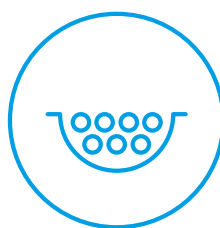
Once the DBYD plans are reviewed, the Five P's of Excavation should be adopted in conjunction with your safe work practices (which must be compliant with the relevant state Electrical Safety Act and Safe Work Australia "Excavation Work Code of Practice", as a minimum) to ensure the risk of any contact with underground **nbn** assets are minimised.



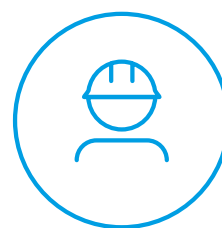
Plan: Plan your job by ensuring the plans received are current and apply to the work to be performed. Also check for any visual cues that may indicate the presence of services not covered in the DBYD plans.



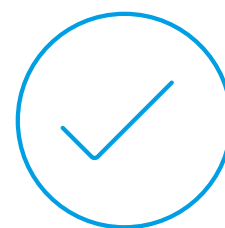
Prepare: Prepare for your job by engaging a DBYD Certified Plant Locator to help interpret plans and identify on-site assets. Contact **nbn** should you require further assistance.



Pothole: Non-destructive potholing (i.e. hand digging or hydro excavation) should be used to positively locate **nbn** underground assets with minimal risk of contact and service damage.

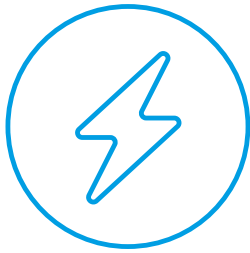


Protect: Protecting and supporting the exposed **nbn** underground asset is the responsibility of the worker. Exclusion zones for **nbn** assets are clearly stated in the plan and appropriate controls must be implemented to ensure that encroachment into the exclusion zone by machinery or activities with the potential to damage the asset is prevented.

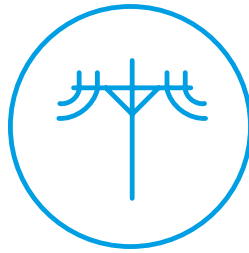


Proceed: Proceed only when the appropriate planning, preparation, potholing and protective measures are in place.

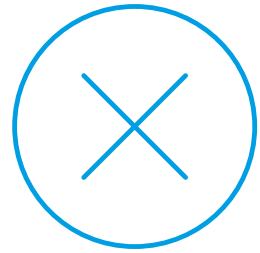
Working near **nbn**TM cables



Identify all electrical hazards, assess the risks and establish control measures.



When using excavators and other machinery, also check the location of overhead power lines.



Workers and equipment must maintain safety exclusion zones around power lines.

Once all work is completed, the excavation should be re-instated with the same type of excavated material unless specified by **nbn**. Please note:

- Construction Partners of **nbn** may require additional controls to be in place when performing excavation activities.
- The information contained within this pamphlet must be used in conjunction with other material supplied as part of this request for information to adequately control the risk of potential asset damage.

Contact

All **nbn**TM network facility damages must be reported online [here](#).
For enquiries related to your DBYD request please call 1800 626 329.

Disclaimer

This brochure is a guide only. It does not address all the matters you need to consider when working near our cables. You must familiarise yourself with other material provided (including the Referral Conditions) and make your own inquiries as appropriate.

nbn will not be liable or responsible for any loss, damage or costs incurred as a result of reliance on this brochure.

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To: Mathew Harvey
Phone: Not Supplied
Fax: Not Supplied
Email: mathewharvey@projexpartners.com.au

Before You Dig Australia Job #:	52665858	
Sequence #	269983649	
Issue Date:	19/03/2026	
Location:	Lot 30 Sunshine Coast Parade , Maroochydore , QLD , 4558	

Information

The area of interest requested by you contains one or more assets.

nbn™ Assets	Search Results
Communications	Asset identified
Electricity	No assets

In this notice **nbn™ Facilities** means *underground fibre optic, telecommunications and/or power facilities, including but not limited to cables, owned and controlled by nbn™*

Location of nbn™ Underground Assets

We thank you for your enquiry. In relation to your enquiry at the above address:

- **nbn's** records indicate that there **ARE nbn™** Facilities in the vicinity of the location identified above ("Location").
- **nbn** indicative plan/s are attached with this notice ("Indicative Plans").
- The Indicative Plan/s show general depth and alignment information only and are not an exact, scale or accurate depiction of the location, depth and alignment of **nbn™** Facilities shown on the Plan/s.
- In particular, the fact that the Indicative Plans show that a facility is installed in a straight line, or at uniform depth along its length cannot be relied upon as evidence that the facility is, in fact, installed in a straight line or at uniform depth.
- You should read the Indicative Plans in conjunction with this notice and in particular, the notes below.
- You should note that, at the present time, the Indicative Plans are likely to be more accurate in showing location of fibre optics and telecommunications cables than power cables. There may be a variation between the line depicted on the Indicative Plans and the location of any power cables. As such, consistent with the notes below, particular care must be taken by you to make your own enquiries and investigations to precisely locate any power cables and manage the risk arising from such cables accordingly.
- The information contained in the Indicative Plan/s is valid for 28 days from the date of issue set out above. You are expected to make your own inquiries and perform your own investigations (including engaging appropriately qualified plant locators, e.g BYDA Certified Locators, at your cost to locate **nbn™** Facilities during any activities you carry out on site).

We thank you for your enquiry and appreciate your continued use of the Before You Dig Australia Service. For any enquiries related to moving assets or Planning and Design activities, please visit the **nbn Commercial Works** website to complete the online application form. If you are planning to excavate and require further information, please email dbyd@nbnco.com.au or call 1800 626 329.

Notes:

1. You are now aware that there are **nbn™** Facilities in the vicinity of the above property that could be damaged as a result activities carried out (or proposed to be carried out) by you in the vicinity of the Location.
2. You should have regard to section 474.6 and 474.7 of the *Criminal Code Act 1995* (CoA) which deals with the consequences of interfering or tampering with a telecommunications facility. Only persons authorised by **nbn** can interact with **nbn's** network facilities.
3. Any information provided is valid only for **28 days** from the date of issue set out above.

Referral Conditions

The following are conditions on which **nbn** provides you with the Indicative Plans. By accepting the plans, you are agreeing to these conditions. These conditions are in addition, and not in replacement of, any duties and obligations you have under applicable law.

1. **nbn** does not accept any responsibility for any inaccuracies of its plans including the Indicative Plans. You are expected to make your own inquiries and perform your own investigations (including engaging appropriately qualified plant locators, e.g BYDA Certified Locators, at your cost to locate **nbn™** Facilities during any activities you carry out on site).
2. You acknowledge that **nbn** has specifically notified you above that the Indicative Plans are likely to be more accurate in showing location of fibre optics and telecommunications cables than power cables. There may be a variation between the line depicted on the Indicative Plans and the location of any power cables.

3. You should not assume that **nbn**™ Facilities follow straight lines or are installed at uniformed depths along their lengths, even if they are indicated on plans provided to you. Careful onsite investigations are essential to locate the exact position of cables.
4. In carrying out any works in the vicinity of **nbn**™ Facilities, you must maintain the following minimum clearances:
 - 300mm when laying assets inline, horizontally or vertically.
 - 500mm when operating vibrating equipment, for example: jackhammers or vibrating plates.
 - 1000mm when operating mechanical excavators.
 - Adherence to clearances as directed by other asset owner's instructions and take into account any uncertainty for power cables.
5. You are aware that there are inherent risks and dangers associated with carrying out work in the vicinity of underground facilities (such as **nbn**™ fibre optic, copper and coaxial cables, and power cable feed to **nbn**™ assets). Damage to underground electric cables may result in:
 - Injury from electric shock or severe burns, with the possibility of death.
 - Interruption of the electricity supply to wide areas of the city.
 - Damage to your excavating plant.
 - Responsibility for the cost of repairs.
6. You must take all reasonable precautions to avoid damaging **nbn**™ Facilities. These precautions may include but not limited to the following:
 - All excavation sites should be examined for underground cables by careful hand excavation. Cable cover slabs if present must not be disturbed. Hand excavation needs to be undertaken with extreme care to minimise the likelihood of damage to the cable, for example: the blades of hand equipment should be aligned parallel to the line of the cable rather than digging across the cable.
 - If any undisclosed underground cables are located, notify **nbn** immediately.
 - All personnel must be properly briefed, particularly those associated with the use of earth-moving equipment, trenching, boring and pneumatic equipment.
 - The safety of the public and other workers must be ensured.
 - All excavations must be undertaken in accordance with all relevant legislation and regulations.
7. You will be responsible for all damage to **nbn**™ Facilities that are connected whether directly, or indirectly with work you carry out (or work that is carried out for you or on your behalf) at the Location. This will include, without limitation, all losses expenses incurred by **nbn** as a result of any such damage.
8. You must immediately report any damage to the **nbn**™ network that you are/become aware of. Notification may be by telephone - 1800 626 329.
9. Except to the extent that liability may not be capable of lawful exclusion, **nbn** and its servants and agents and the related bodies corporate of **nbn** and their servants and agents shall be under no liability whatsoever to any person for any loss or damage (including indirect or consequential loss or damage) however caused (including, without limitation, breach of contract negligence and/or breach of statute) which may be suffered or incurred from or in connection with this information sheet or any plans (including Indicative Plans) attached hereto. Except as expressly provided to the contrary in this information sheet or the attached plans (including Indicative Plans), all terms, conditions, warranties, undertakings or representations (whether expressed or implied) are excluded to the fullest extent permitted by law.

All works undertaken shall be in accordance with all relevant legislations, acts and regulations applicable to the particular state or territory of the Location. The following table lists all relevant documents that shall be considered and adhered to.

State/Territory	Documents
National	Work Health and Safety Act 2011
	Work Health and Safety Regulations 2011
	Safe Work Australia - Working in the Vicinity of Overhead and Underground Electric Lines (Draft)

	Occupational Health and Safety Act 1991
NSW	Electricity Supply Act 1995
	Work Cover NSW - Work Near Underground Assets Guide
	Work Cover NSW - Excavation Work: Code of Practice
VIC	Electricity Safety Act 1998
	Electricity Safety (Network Asset) Regulations 1999
QLD	Electrical Safety Act 2002
	Code of Practice for Working Near Exposed Live Parts
SA	Electricity Act 1996
TAS	Tasmanian Electricity Supply Industry Act 1995
WA	Electricity Act 1945
	Electricity Regulations 1947
NT	Electricity Reform Act 2005
	Electricity Reform (Safety and Technical) Regulations 2005
ACT	Electricity Act 1971

Thank You,

nbn BYDA

Date: 19/03/2026

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Referral

269983651

Member Phone

1800 336 886

Responses from this member

Response received Thu 19 Mar 2026 8.24am

File name	Page
Response Body	61
269983651 - Visionstream Plan.pdf	62
269983651 - Visionstream Response letter.pdf	63

ATTENTION: Mathew Harvey

Please DO NOT SEND A REPLY to this email as it has been automatically generated and replies are not monitored.

Thank you for your BYDA enquiry.

Job No: 52665858

Sequence No: 269983651

Enquiry location:

Lot 30 Sunshine Coast Parade

Maroochydore

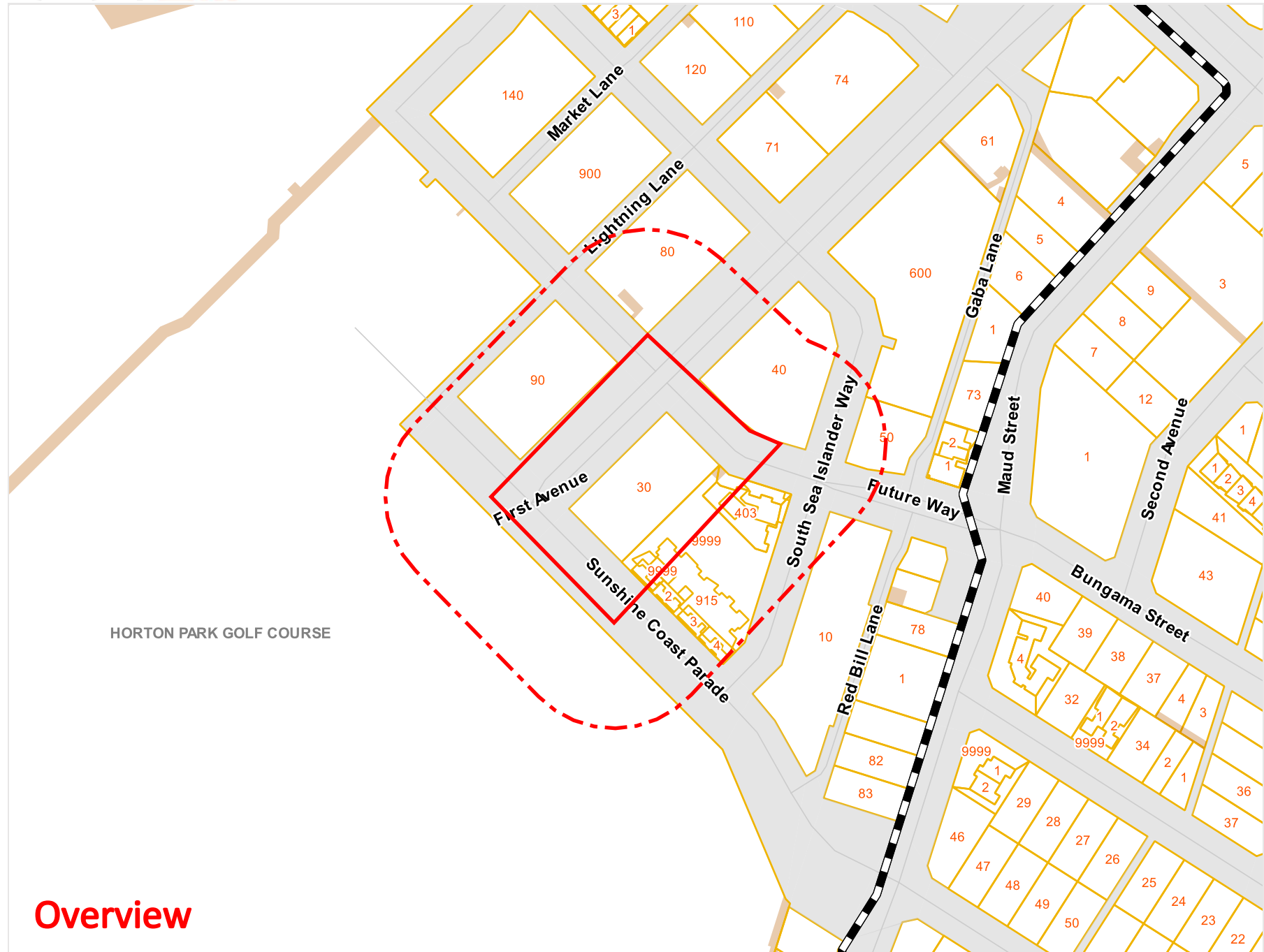
QLD 4558

Attached are the files containing information relating to your recent BYDA request. Please read and understand all the attached documentation and contact VisionStream on 1800 336 886 or reefBYDAadmin@visionstream.com.au if you have any queries.

Note: If you have received this email in error, please advise us by calling 1800 336 886 and quote the Sequence Number listed above.

If you are unable to launch any of the files for viewing and printing, you may need to download and install free viewing and printing software such as:

Adobe Acrobat Reader (for PDF files) - <http://get.adobe.com/reader>



Legend



Scale: 1:2500
 Expires: 16 Apr 2026

DISCLAIMER: While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither Visionstream nor PelicanCorp shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.

Overview

Plant Location Details

19/03/2026

Mathew Harvey
Not supplied
3/135 Horton Parade
Maroochydore, 4558
Phone: +61432572622
Mobile: No longer supplied
Email: jwfzk65953k7tt.e98r3m9s87plfe@smarterwx-mail.byda.com.au



Visionstream Pty Limited
ABN 80 062 604 193 20
Corporate Drive Heatherton,
Victoria 3202
T 1800 336 886

E reefbydadmin@visionstream.com.au

W www.visionstream.com.au

The following is a response to your Dial Before You Dig enquiry

Sequence No: 269983651
Location: Lot 30 Sunshine Coast Parade
Maroochydore, QLD, 4558
Activity Description: Planning & Design
Planning and Design: Yes
Commencement Date: 19/05/2027

As a result of your inquiry and based on the description of work provided by you, Visionstream believes that there is a low risk that the works described will damage the Reef Network. To assist you in your work, Visionstream has enclosed a copy of the relevant plans of the network. You are reminded that this does not eliminate the need for you to take every possible care when conducting work close to the Reef Network.

I should also like to point out that Visionstream would seek full restoration for any damages to the Reef Network as a result of work undertaken by you or your representatives.

Should the scope of works supplied to Visionstream change, it is expected that you will seek further information from Visionstream for any proposed variations before they are to begin construction. Visionstream will provide onsite support, where required, for nominal rates.

Once again let me thank you for your interest and please do not hesitate to contact us again if we can be of service.

Yours faithfully

Jevat Jonuzi
for Mark Aguis

VISIONSTREAM PTY. LIMITED

WARNING - The accuracy and/or completeness of the information provided cannot be guaranteed as property boundaries, depths and other natural landscape features may change over time, and accordingly the plans are indicative only. Reef Networks does not warrant or hold out that its plans are accurate and accepts no responsibility for any accuracy shown on the plans. It is your responsibility to locate Reef Networks' underground plant by careful vacuum excavation/hand potholing prior to any excavation in the vicinity and to exercise due care during that excavation. Please read and understand the information provided. If you do not understand what your obligations are in respect to Duty of Care, please call 1800 336 886. REEF NETWORKS WILL SEEK COMPENSATION FOR LOSS CAUSED TO ITS PLANT. Reef Network's plans and information provided are valid for 28 days from the date of issue. If this timeframe has elapsed please reapply for plan



While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither Visionstream or PelicanCorp shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.

Referral
269983648

Member Phone
(07) 5475 8719

Responses from this member

Response received Thu 19 Mar 2026 8.24am

File name	Page
Response Body	65
ASSET 269983648.pdf	66
DBYD Response 269983648.pdf	67

Dear Mathew Harvey

Sequence Number 269983648

Date 19 March 2026

Please find attached As Constructed Stormwater, Electrical and Communication Infrastructure as requested.

This plan expires 30 days from Sunshine Coast Regional Councils plan print date.

If you require drainage plans that may show the drains/pipes within the building/property and where they connect to

the mains, please contact Sunshine Coast Council Customer Service on 5475 7272 or

mail@sunshinecoast.qld.gov.au

DISCLAIMER

While every care is taken to ensure the accuracy of this product, neither the Sunshine Coast Regional Council nor the State of Queensland make any representations or warranties about the accuracy, reliability, completeness or suitability for any particular purpose and disclaims all responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages including indirect or consequential damage) and costs that may occur as a result of the product being inaccurate or incomplete in any way or for any reason.

The applicant should rely on field investigation in order to validate information shown on this plan.

Crown Copyright Reserved. Council Copyright Reserved.



Plans generated by SmarterWX™
Automate

19/03/26 (valid for 30 days)

In an emergency contact Sunshine Coast Council on (07) 5475 7272



Job # 52665858

Seq # 269983648

Legend

- Miscellaneous Pipes
- Electrical Switchboards
- Electrical Pits
- Electrical Poles
- Electrical Conduits
- Communications Pits
- Communications Conduits
- Stormwater End Structure
- Stormwater Pit
 - Catch Pit
 - Field Inlet
 - Manhole
 - Stormwater Quality Device
- Stormwater Open Drain
- Stormwater Pipe
 - Box
 - Pipe
- AWCS Electrical Pits
- AWCS Communications Conduits
- AWCS Electrical Conduits
- AWCS Pipe
- AWCS Pits
- Water Pipes

Scale 1:1,000

Disclaimer

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Crown & Council Copyright Reserved.

Provided by Sunshine Coast Council



Mathew Harvey
Not supplied
3/135 Horton Parade
Maroochydore QLD 4558

19 March 2026

Dear Mathew Harvey

RESPONSE TO RECENT BYDA ENQUIRY
Lot 30 Sunshine Coast Parade Maroochydore QLD 4558
SEQ: 269983648

Please find attached mapping information for Sunshine Coast Council Stormwater, Electrical and Communication Infrastructure as requested. This mapping information expires 30 days from Sunshine Coast Councils map print date.

When working in the vicinity of Sunshine Coast Council assets you have a Duty of Care and the following must be observed.

- All Sunshine Coast Council assets, including underground network, must be validated (physically sighted and identified), prior to commencing any excavation in the vicinity.
- It is recommended that a Certified Locator be engaged for the locating of assets.
- All Sunshine Coast Council assets once validated, must be protected from damage.
- Sunshine Coast Council infrastructure is not to be altered by any third party without prior approval.
- All trench and pothole reinstatements are to occur no later than 5 days after work occurring.
- If your project is dependent on the position of the Sunshine Coast Council assets, then it is recommended that you validate the position of the network prior to finalising your design.
- Maps are valid for 30 days after issue and a new enquiry must be lodged if maps expire.
- Incorrect Maps - please advise if there are any errors or incorrect locations shown on the maps by contacting Sunshine Coast Council via email to dbyd@sunshinecoast.qld.gov.au
- **Any damage to Sunshine Coast Council owned infrastructure or property must be reported immediately** by calling Sunshine Coast Council Customer Service on (07) 5475 7272.

If you require stormwater internal drainage plans that may show the drains/pipes within the building/property and where they connect to the mains, please contact Sunshine Coast Council Customer Service on (07) 5475 7272 or mail@sunshinecoast.qld.gov.au.

IMPORTANT NOTICE

This enquiry response, including any associated documentation, has been assessed and compiled from the information detailed within the BYDA enquiry outlined above. Please ensure that the BYDA enquiry details and this response accurately reflect your proposed works.

DISCLAIMER

While every care is taken to ensure the accuracy of this product, neither the Sunshine Coast Regional Council nor the State of Queensland make any representations or warranties about the accuracy, reliability, completeness or suitability for any particular purpose and disclaims all responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages including indirect or consequential damage) and costs that may occur as a result of the product being inaccurate or incomplete in any way or for any reason.

Referral

269983652

Member Phone

1800 653 935

Responses from this member

Response received Thu 19 Mar 2026 8.30am

File name	Page
Response Body	69
269983652.pdf	71
AccreditedPlantLocators 2026-03-17a.pdf	73
Telstra Duty of Care v33.0a.pdf	74
Telstra Map Legend v4_0c.pdf	76

Attention: Mathew Harvey

Site Location: Lot 30 Sunshine Coast Parade, Maroochydore, QLD 4558

Your Job Reference: Lot 30 Sunshine Coast Parade

Please do not reply to this email, this is an automated message -

Thank you for requesting Telstra information via Before You Dig Australia (BYDA). This response contains Telstra Information relating to your recent request.

 Accredited Plant Locator	General Contact Information including applications required to view Cable Plans - DWF & PDF
 Telstra Duty of Care v33.0a	Your responsibility and Legal requirements working near Telstra's Assets
 Telstra Map Legend v4_0c	Common Symbols on Cable Plans and Safe Clearance distances when working near Telstra Assets

Please note:

When working in the vicinity of telecommunications plant you have a 'Duty of Care' that must be observed.

Ensure you read all documents (attached) - they contain important information.

In particular please read and familiarise yourself with the Before you Dig Australia - BEST PRACTISE GUIDES and The five Ps of safe excavation <https://www.byda.com.au/before-you-dig/best-practice-guides/>, as these documents set out the essential steps that must be undertaken prior to commencing construction activities.

 Best practice guides and the five P's of safe excavation	These are the essential steps to be undertaken prior to commencing construction activities	Essential Steps : Link 5 P's: Link
	Telstra highly recommends using Certified Locators	CERTLOC : Link
 1800 653 935 Telstra Plan Services	Whenever in doubt please contact this number for Telstra BYDA map related enquiries email Telstra.Plans@team.telstra.com	Note: that Telstra plans are only valid for 60 days from the date of issue
 How to Report Damage to Telstra Equipment	If you think you have damaged Telstra Assets, please Report it ASAP.	Call: 13 22 03 Report Online: Link

	It is a criminal offence under the 'Criminal code act 1995' to tamper or interfere with Telecommunications infrastructure. Telstra will take action to recover compensation for the damage caused to property and assets, and for interference with the operation of Telstra's networks and customer service.
	Telstra plans contain confidential information and are provided on the basis that they are used solely for identifying location or vicinity of Telstra's infrastructure to avoid damage to this infrastructure occurring as part of any digging or other excavation activity. You must not use Telstra's plans for any other purpose or in a way that will cause loss or damage. You must comply with any other terms of access to the data that have been provided by you by Telstra (including conditions of use or access).

WARNING - MAJOR CABLES and/or OPTIC FIBRE IN THE AREA.

Phone 1800 653 935 for further assistance.

Note: In some areas Telstra fibre routes may be marked as "Amcom", as Telstra has purchased much of this infrastructure. If in doubt, please contact Telstra Plan services on the number above. Telstra plans and information are only valid for 60 days from the date of issue.

WARNING:

Telstra plans and location information conform to Quality Level 'D' of the Australian Standard AS 5488 - Classification of Subsurface Utility Information. As such, Telstra supplied location information is indicative only. Spatial accuracy is not applicable to Quality Level D. Refer to AS 5488 for further details. The exact position of Telstra assets can only be validated by physically exposing them. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy. Further on site investigation is required to validate the exact location of Telstra assets prior to commencing work. A Certified Locating Organisation is an essential part of the process to validate the exact location of Telstra assets and to ensure the assets are protected during construction works. See the **Before You Dig Australia - BEST PRACTISE GUIDES and The five Ps of safe excavation**
<https://www.byda.com.au/before-you-dig/best-practice-guides/>.

Please note that:

- it is a criminal offence under the *Criminal Code Act 1995* (Cth) to tamper or interfere with telecommunications infrastructure.
- Telstra will take action to recover compensation for damage caused to property and assets, and for interference with the operation of Telstra's networks and customers' services.

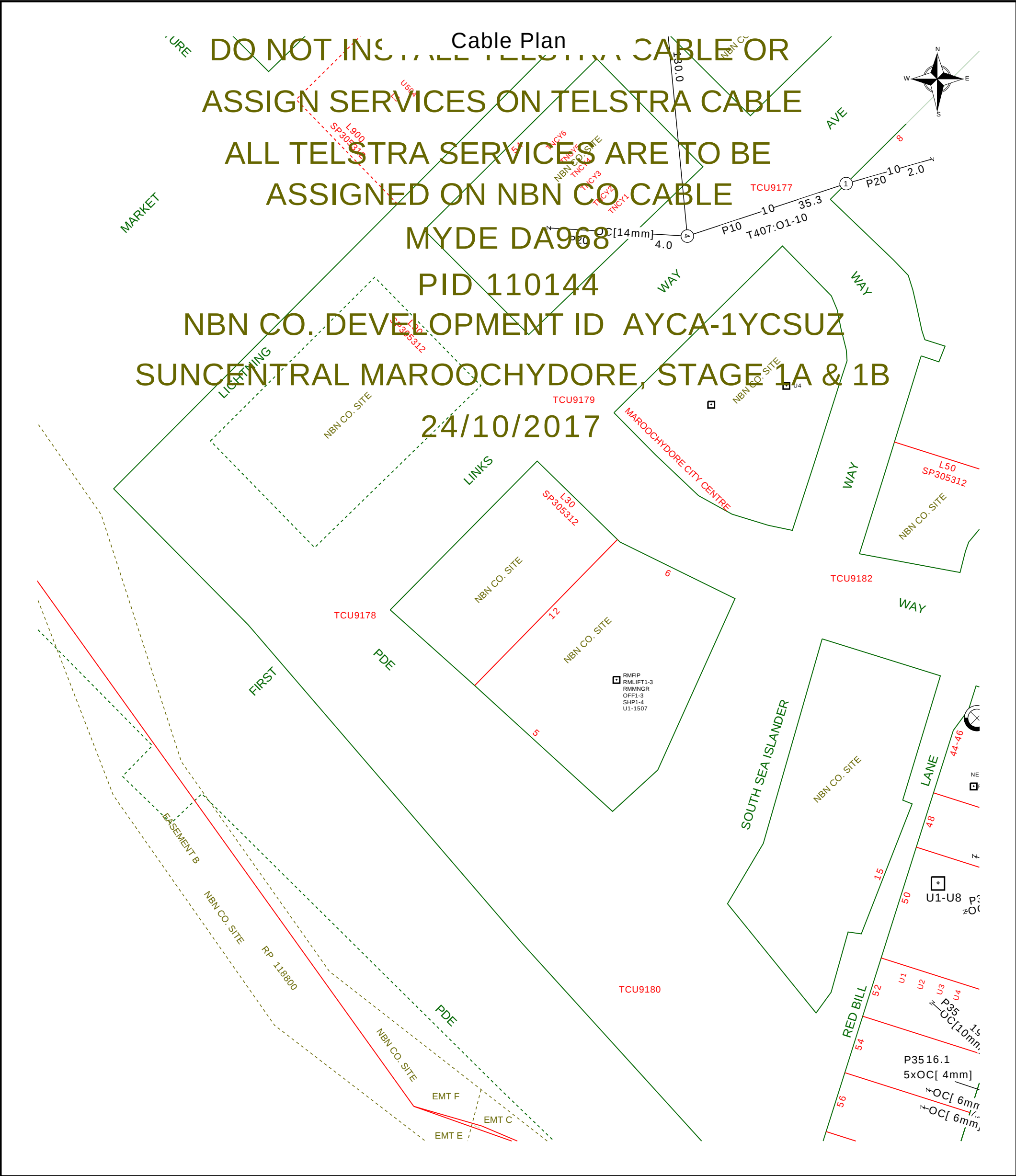
Telstra's plans contain Telstra's confidential information and are provided on the basis that they are used solely for identifying the location or vicinity of Telstra's infrastructure to avoid damage to this infrastructure occurring as part of any digging or other excavation activity. You must not use Telstra's plans for any other purpose or in a way that will cause Telstra loss or damage and you must comply with any other terms of access to the data that have been provided to you by Telstra (including Conditions of Use or Access).

(See attached file: *Telstra Duty of Care v33.0a.pdf*)

(See attached file: *Telstra Map Legend v4_0c.pdf*)

(See attached file: *AccreditedPlantLocators 2026-03-17a.pdf*)

(See attached file: *269983652.pdf*)



	Report Damage:https://service.telstra.com.au/customer/general/forms/report-damage-to-telstra Ph - 13 22 03 Email - Telstra.Plans@team.telstra.com Planned Services - ph 1800 653 935 (AEST bus hrs only) General Enquiries	Sequence Number: 269983652
TELSTRA LIMITED A.C.N. 086 174 781 Generated On 19/03/2026 09:28:14		CAUTION: Critical Network Route in plot area. DO NOT PROCEED with any excavation prior to seeking advice from InfraCo Plan Services on : 1800 653 935

The above plan must be viewed in conjunction with the Mains Cable Plan on the following page

WARNING
Telstra plans and location information conform to Quality Level "D" of the Australian Standard AS 5488-Classification of Subsurface Utility Information. As such, Telstra supplied location information is indicative only. Spatial accuracy is not applicable to Quality Level D. Refer to AS 5488 for further details. The exact position of Telstra assets can only be validated by physically exposing it. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy. Further on site investigation is required to validate the exact location of Telstra plant prior to commencing construction work. A Certified Locating Organisation is an essential part of the process to validate the exact location of Telstra assets and to ensure the asset is protected during construction works.

See the Steps- Telstra Duty of Care that was provided in the email response.

Page 1 of 2

Page 2 of 2

General Information



Telstra highly recommends using Certified Locators.

For more info contact a [CERTLOC Certified Locating Organisation \(CLO\)](#) or Telstra Location Intelligence Team 1800 653 935



Before you Dig Australia – BEST PRACTISE GUIDES
<https://www.byda.com.au/before-you-dig/best-practice-guides/>



OPENING ELECTRONIC MAP ATTACHMENTS –

Telstra Cable Plans are generated automatically in either PDF or DWF file types.
Dependent on the site address and the size of area selected.
You may need to download and install free viewing software from the internet e.g.



DWF Map Files (all sizes over A3)
Autodesk Viewer (Internet Browser) <https://viewer.autodesk.com/> or
Autodesk Design Review <http://usa.autodesk.com/design-review/> for DWF files.
(Windows PC)



PDF Map Files (max size A3)
Adobe Acrobat Reader <http://get.adobe.com/reader/>



Telstra New Connections / Disconnections
13 22 00



Telstra Protection & Relocation: 1800 810 443 (AEST business hours only).
[Email](#)
Telstra Protection & Relocation Fact Sheet: [Link](#)
Telstra Protection & Relocation Home Page [Link](#)



Telstra Aerial Assets Group (overhead network)
1800 047 909

Protect our Network:

by maintaining the following distances from our assets:

- 1.0m Mechanical Excavators, Farm Ploughing, Tree Removal
- 500mm Vibrating Plate or Wacker Packer Compactor
- 600mm Heavy Vehicle Traffic (over 3 tonnes) not to be driven across Telstra ducts or plant.
- 1.0m Jackhammers/Pneumatic Breakers
- 2.0m Boring Equipment (in-line, horizontal and vertical)

Before You Dig Australia

Think before you dig

This document has been sent to you because you requested plans of the Telstra network through Before You Dig Australia (BYDA).

If you are working or excavating near telecommunications cables, or there is a chance that cables are located near your site, you are responsible to avoid causing damage to the Telstra network.

Please read this document carefully. Taking your time now and following the BYDA's Best Practices and 5 Ps of Safe Excavation <https://www.byda.com.au/before-you-dig/best-practice-guides/>

can help you avoid damaging our network, interrupting services, and potentially incurring civil and criminal penalties.

Our network is complex and working near it requires expert knowledge. Do not attempt these activities if you are not qualified to do so.



Disclaimer and legal details

*Telstra advises that the accuracy of the information provided by Telstra conforms to Quality Level D as defined in AS5488-2013.

It is a criminal offence under the Criminal Code Act 1995 (Cth) to tamper or interfere with telecommunications infrastructure.

Telstra will also take action to recover costs and damages from persons who damage assets or interfere with the operation of Telstra's networks.

By receiving this information including the indicative plans that are provided as part of this information package you confirm that you understand and accept the risks of working near Telstra's network and the importance of taking all the necessary steps to confirm the presence, alignments and various depths of Telstra's network. This in addition to, and not in replacement of, any duties and obligations you have under applicable law.

When working in the vicinity of a telecommunications plant you have a "Duty of Care" that must be observed. Please read and understand all the information and disclaimers provided below.

The Telstra network is complex and requires expert knowledge to interpret information, to identify and locate components, to pothole underground assets for validation and to safely work around assets without causing damage. If you are not an expert and/or qualified in these areas, then you must not attempt these activities. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers. Construction activities and/or any activities that potentially may impact on Telstra's assets must not commence without first undertaking these steps. Construction activities can include anything that involves breaking ground, potentially affecting Telstra assets.

If you are designing a project, it is recommended that you also undertake these steps to validate underground assets prior to committing to your design.

This Notice has been provided as a guide only and may not provide you with all the information that is required for you to determine what assets are on or near your site of interest. You will also need to collate and understand all information received from other Utilities and understand that some Utilities are not a part of the BYDA program and make your own enquiries as appropriate. It is the responsibility of the entities arranging for the works to be performed, supervising the works, and undertaking the works to protect Telstra network during excavation / construction works.

Telstra owns and retains the copyright in all plans and details provided in conjunction with the applicant's request. The applicant is authorised to use the plans and details only for the purpose indicated in the applicant's request. The applicant must not use the plans or details for any other purpose.

Telstra plans or other details are provided only for the use of the applicant, its servants, agents, or CERTLOC Certified Locating Organisation (CLO). The applicant must not give the plans or details to any parties other than these and must not generate profit from commercialising the plans or details. If the Applicant is aware of another party or parties about to perform or performing works at the location, it should ensure that the other party or parties have lodged a BYDA enquiry and obtained plans for that location. If you are undertaking excavations works you must follow the 5Ps of Safe Excavation. The 5 Ps of Safe Excavation are set out in the video in the below link.

<https://www.byda.com.au/education/resources/>

Telstra, its servants or agents shall not be liable for any loss or damage caused or occasioned by the use of plans and or details so supplied to the applicant, its servants and agents, and the applicant agrees to indemnify Telstra against any claim or demand for any such loss or damage.

Please ensure Telstra plans and information provided always remains on-site throughout the inspection, location, and construction phase of any works.

Telstra plans are valid for 60 days after issue and must be replaced if required after the 60 days.

Data Extraction Fees

In some instances, a data extraction fee may be applicable for the supply of Telstra information. Typically, a data extraction fee may apply to large projects, planning and design requests or requests to be supplied in non-standard formats. For further details contact Telstra Location Intelligence Team.

Telstra does not accept any liability or responsibility for the performance of or advice given by a CERTLOC Certified Locating Organisation (CLO). Certification is an initiative taken by Telstra towards the establishment and maintenance of competency standards. However, performance and the advice given will always depend on the nature of the individual engagement.

Neither the Certified Locating Organisation nor any of its employees are an employee or agent for Telstra. Telstra is not liable for any damage or loss caused by the Certified Locating Organisation or its employees.

Once all work is completed, the excavation should be reinstated with the same type of excavated material unless specified by Telstra.

The information contained within this pamphlet must be used in conjunction with other material supplied as part of this request for information to adequately control the risk of potential asset damage.

When using excavators and other machinery, also check the location of overhead power lines.

Workers and equipment must maintain safety exclusion zones around power lines

WARNING: Telstra plans and location information conform to Quality Level 'D' of the Australian Standard AS 5488 - Classification of Subsurface Utility Information. As such, Telstra supplied location information is indicative only. Spatial accuracy is not applicable to Quality Level D. Refer to AS 5488 for further details. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy shown on the plans. **FURTHER ON SITE INVESTIGATION IS REQUIRED TO VALIDATE THE EXACT LOCATION OF TELSTRA PLANT PRIOR TO COMMENCING CONSTRUCTION WORK.** A plant location service is an essential part of the process to validate the exact location of Telstra assets and to ensure the assets are protected during construction works. The exact position of Telstra assets can only be validated by physically exposing them. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers.

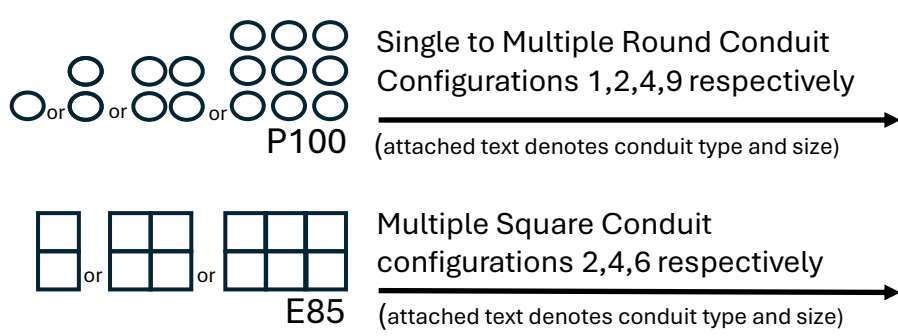
Privacy Note

Your information has been provided to Telstra by BYDA to enable Telstra to respond to your BYDA request. Telstra keeps your information in accordance with its privacy statement. You can obtain a copy at www.telstra.com.au/privacy or by calling us at 1800 039 059 (business hours only).

LEGEND



	Leadin terminates at a Customer Address		Cable Jointing Pit Number / Letter indicating Pit type/size
	Exchange Major Cable Present		Elevated Joint (above ground joint on buried cable)
	Pillar / Cabinet Above ground Free Standing		Telstra Plant in shared Utility trench
	Above ground Complex Equipment Please note: Powered by 240v electricity		Aerial cable / or cable on wall
OC	Other Carrier Telecommunication Cable/ Asset. Not Telstra Owned		Aerial cable (attached to joint use Pole e.g., Power Pole)
DIST	Distribution cables in Main Cable Ducts		Marker Post Installed
MC	Main Cable ducts on a Distribution Plan		Buried Transponder
	Blocked or Damaged Duct		Marker Post & Transponder
	Footway Access Chamber (can vary between 1-lid to 12-lid)		Optical Fibre Cable Direct Buried
	NBN Pillar		Direct Buried Cable
	Third Party Owned Network Non-Telstra		nbn owned network



Some examples of conduit type and size:

A - Asbestos cement, P - PVC / Plastic, C - Concrete, GI - Galvanised Iron, E - Earthenware

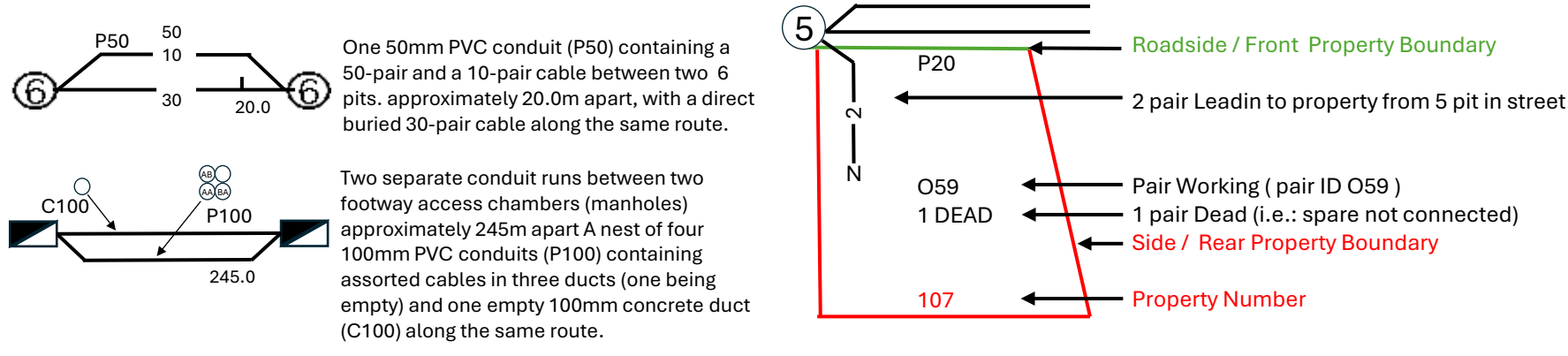
Conduit sizes nominally range from 20mm to 100mm

P50 50mm PVC conduit

P100 100mm PVC conduit

A100 100mm asbestos cement conduit

Some Examples of how to read Telstra Plans



The 5 Ps of Safe Excavation

<https://www.byda.com.au/before-you-dig/best-practice-guides/>

Plan	Prepare	Pothole	Protect	Proceed
Plan your job. Use the BYDA service at least one day before your job is due to begin, and ensure you have the correct plans and information required to carry out a safe project.	Prepare by communicating with asset owners if you need assistance. Look for clues onsite. Engage a Certified Locator.	Potholing is physically sighting the asset by hand digging or hydro vacuum extraction.	Protecting and supporting the exposed infrastructure is the responsibility of the excavator. Always erect safety barriers in areas of risk and enforce exclusion zones.	Only proceed with your excavation work after planning, preparing, potholing (unless prohibited), and having protective measures in place.

Referral

269983650

Member Phone

1300 086 489

Responses from this member

Response received Thu 19 Mar 2026 8.34am

File name	Page
Response Body	78
Coversheet - Assets Found.pdf	79
DBYD Map - SEQ# 269983650.pdf	81

Date of enquiry: 19/03/2026 9:24:00 AM

Notification No: 52665858 (Job No)

Sequence No: 269983650

Customers Name: Mathew Harvey

Customers Phone No: +61432572622

Address supplied for dig site location

Lot 30 Sunshine Coast Parade, Maroochydore, QLD

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Mathew Harvey
Not Supplied
3/135 Horton Parade
Maroochydore QLD 4558

19/03/2026



Dear Mathew Harvey

Response to your recent enquiry: More detailed information is required

Your recent Before You Dig (BYDA) enquiry about the location of water and sewerage assets on your property of interest has been sent to Unitywater.

Unitywater has located water and/or sewerage infrastructure on the property. Attached is a map locating the infrastructure and identifying the type of infrastructure that has been identified. The map and information contained on this map is valid for 30 days from Unitywater plan print date.

Also attached to this letter is additional information about your responsibilities in relation to our infrastructure.

Sequence No: 269983650

Job No: 52665858

Location: Lot 30 Sunshine Coast Parade Maroochydore

If you have further questions, please call the Customer Service Centre on 1300 0 UNITY (1300 086 489).

Yours sincerely



Ivan Beirne
Head of Asset Management, Unitywater

Important Information

DISCLAIMER

All Unitywater's records, data, images and information supplied via BYDA (the "Data") are indicative only. You agree that any plans supplied to you via BYDA are only provided for your convenience and will not be relied upon by you for any purpose.

You also agree that Unitywater does not assume any responsibility or duty of care in respect of, or warrant, guarantee or make any representation as to the Data (including its accuracy, reliability, currency, or suitability).

The information provided in any plan(s) is classified as Quality Level D (QL-D) according to Australian Standard AS 5488.1. QL-D information does not include any field verification through direct measurement and, therefore, should only be considered as a broad indication of the location and type of infrastructure. Unitywater strongly recommends using the services of professional service locators before digging near the infrastructure. You are solely responsible for the selection of appropriate site detection methodologies at all times.

To the fullest extent permitted by law, Unitywater will not be liable to you in contract, tort, equity, under statute or otherwise arising from or in connection with the provision of any plans to you via BYDA.

COMPLIANCE WITH LAWS

There may be both indicated and unmarked hazards, dangers, or encumbrances, including underground asbestos pipes and abandoned mains within your nominated search area. You are solely responsible for ensuring that appropriate care is taken at all times while undertaking works and that you comply with all mandatory requirements relating to such matters, including in relation to workplace health and safety.

DAMAGED INFRASTRUCTURE

Please note that it is an offence under Section 192 of the *Water Supply (Safety and Reliability) Act 2008* to interfere with our infrastructure without Unitywater's written consent.

You may be liable to Unitywater for any loss of or damage to our infrastructure, together with any consequential or indirect loss or damage (including without limitation, loss of use, loss of profits or loss of revenue) arising from or in connection with any interference with Unitywater's infrastructure by you or any other person for which you are legally responsible.

Any damage to Unitywater's Infrastructure must be reported immediately to the (24 Hours) Faults and Emergencies contact number on **1300 0 UNITY** (1300 086 489).

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NOTES

If you require further details on sewerage and water infrastructure, Detailed Infrastructure Plans are available for purchase. A request form is available through Unitywater's website <http://www.unitywater.com> or by contacting the Customer Service Centre on 1300 0 UNITY (1300 086 489).

If you require further details for house connection or drainage plans contact your local council for a plumbing search. Unitywater water and sewerage infrastructure is located across Moreton Bay, Sunshine Coast and Noosa local government areas. For information outside these areas, you will need to contact the relevant authority.

UNITYWATER BYDA MAP

Sequence Number: 269983650
Job Number: 52665858
Printed On: 19/03/2026

Emergency Situations
Call Unitywater:
1300 086 489

This information on this plan is valid
for 30 days from "Printed On" date.

Extent of Unitywater Area

Water

PS

Water Pump Station

M

Water Service

*

Water Valve

Water Pipe (Abandoned)

●

Water Hydrant

F

Water Fitting

Water Main

Trunk Main

Reticulation Main

Sewer

PS

Sewer Pump Station

○

Sewer Maintenance Hole

*

Sewer Valve

F

Sewer Fitting

Sewer Gravity Main

Trunk Main

Reticulation Main

Overflow Main

Sewer Pipe (Abandoned)

Sewer Pressure Main

Pressure Sewer

Rising Main

Vacuum Main

Pressure Sewer Service

Sewer Service

Recycled Water

PS

Recycled Water Pump Station

*

Recycled Water Valve

●

Recycled Water Hydrant

F

Recycled Water Fitting

Recycled Water Pipe (Abandoned)

Recycled Water Main

Map Tile: 1
Scale: 1:1000
(If printed at 100%
on A3 size paper)

Before You Dig Australia
PO Box 953
Caboolture QLD 4510
Inquiries: 1300 0 Unity (1300 086 489) Email: dbyd@unitywater.com

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End of document

i This document may exclude some files (eg. DWF or ZIP files)

This document was automatically generated at a point-in-time. Be aware that the source information from which this document was created may have changed since it was produced. This document may contain incomplete or out-of-date information. Always check your enquiry details in the BYDA Referral Service for the most recent information. For copyright information refer to individual responses.

APPENDIX E

Flood Information Search

Request Type

- ☐ Self-Assessable Dwelling
- ☒ All Other

Flood Information Search

This search is issued in response to an information request for a property which is located within the geographical boundaries of Sunshine Coast Council. This search is valid for 6 months from date of issue.

Applicant's Name	Projex Partners Pty Ltd	Issue Date	04 March 2026
Applicant's Address	PO Box 219 MAROOCHYDORE QLD 4558	Land Number	1523429
		Property Description	Lot 30 SP 305312
		Address	Sunshine Coast Pde MAROOCHYDORE QLD 4558
		Our Reference	Cer26/01839
Email Address	mathewharvey@projexpartners.com.au	Issuing Officer	DB042
		Your Reference	571-003

ENQUIRY DATE:

17/02/2026

REGISTERED OWNER(S) NAME:

Walker 51 First Avenue Pty Ltd Tte

TABLE 1 - APPLICABLE VALUES REQUIRED TO COMPLY WITH BUILDING REGULATIONS:

Flood Hazard Area for Building Regulation Purposes – Minimum Design Floor Level			
For the purposes of the QDC MP 3.5 (2012) & The Building Regulations S8.1 (2021). levels provided in this table for new buildings are a declaration of the Finished Floor Level requirements for Class 1 buildings built in all or part of the Flood Hazard Area			
Minimum Design Floor Level	Please contact Development Services for development that is not Self-Assessable (refer to interpretative note 2)		
Source of Data	Technical Memorandum – Maroochydore City Centre Stage 1 Local Flooding (Cardno, 29 October 2015)		
Maximum Flow Velocity	Not Available	Backwater or inactive flow area	Velocity Not provided
Drainage Deficiency Area	No	Drainage Deficient Area Not Filled (Refer Note 10)	N/A

TABLE 2 - LEVELS RELEVANT TO THIS LOT:

Lot Identifier	Pit Identifier	1% AEP (at 2100) Peak Flood Level (m AHD)		Minimum Floor Level (mAHD)
		Local Drainage	Regional	
D3	1-17	3.36	2.92	3.66
D3	1-8	3.37	2.92	3.67

NOTES SPECIFIC TO THIS SEARCH

None Applicable

CLIMATE ASSUMPTIONS

The advice provided in this search is based upon standards relating to current and year 2100 climatic conditions and historically recorded flood events only. Year 2100 estimates include allowances for future climate conditions which specifically include increased rainfall intensity (20%) and higher mean sea level (0.8m).

Are you flood ready? Prepare with Council's award-winning Disaster Hub, now including Council's network of rainfall & water level gauges.

- Review Flood Mapping that shows how flood hazard changes as events get larger.
- Prepare your emergency plan and kit.
- Keep current with water levels, emergency warnings and road closure information.





Figure 1 - Flood Hazard Area for Building Regulation Purposes Map

The flood hazard area for building regulation purposes map is based on the defined flood event, but also includes additional buffer flood hazard areas which incorporate freeboard allowance, overland flow paths and street drainage. This map triggers the request for a flood information search from council, to obtain the flood level, floor level and velocity information relevant to the property. If building works are proposed within the Flood Hazard Area for Building Regulation Purposes (including the additional buffer area), then the declared flood level, velocity and finished floor level is required to comply with MP3.5.



Figure 2 - Regional Flooding Map

Figure 3 - Drainage Plan

INTERPRETATION NOTES FOR THIS SEARCH

1. Minimum finished floor levels are provided for residential land uses only in accordance with the criteria for self-assessable development in the Sunshine Coast Planning Scheme, 2014, Flood Overlay Code. For other types of development the flood overlay code of the planning scheme may assign a different event probability to the Defined Flood Event and specify different freeboard requirements. Refer to Table 8.2.7.3.3 of the Flood Overlay Code. In such instances a development application should already be lodged and the Development Services staff assisting with this application will provide guidance on the determination of minimum finished floor levels.
2. This search has not been prepared with knowledge of the date of construction or approval for development. It is incumbent upon the applicant, or the agent representing the applicant, in a purchasing situation to determine the date of approval for development in order to ascertain which of the minimum floor levels provided on this search are appropriate.
3. The absence of local flood mapping does not imply that the above property is not subject to localised stormwater flooding. Please be aware of the natural topography in your area and the location of drainage infrastructure. Water runoff which exceeds the capacity of the drainage system (if present) and/or concentrates in surface depressions and gullies can cause localised stormwater flooding which may not be identified in this search.
4. The MINIMUM DESIGN FLOOR LEVEL as required by the Flood Overlay Code of the Sunshine Coast Council Planning Scheme, 2014, is calculated as whichever is greater of either:
 - (a) 500mm freeboard added to the Defined Flood Event Level (Regional, Riverine or Storm Tide) for the site; or
 - (b) 300mm freeboard added to the Defined Flood Event Level (Drainage/Overland Flow) for the site as per the Queensland Urban Drainage Manual.
5. Surface water should be managed according to the requirements of the National Construction Code (Volume 2 and the ABCB Housing Provisions). In order to meet these requirements, the Floor Level may need to be higher than specified in this search.
6. Construction of all internal stormwater drainage must comply with the relevant sections of Australian Standard AS/NZS 3500.3 – *Plumbing and Drainage*.
7. Building certifiers should be aware that their certification requires them to ensure no unacceptable off-site or on-site impacts associated with the drainage of buildings or land.
8. If the property is located within a declared Drainage Deficient Area as shown on Figure 8.27 Drainage Deficient Areas of the Sunshine Coast Planning Scheme (2014) Flood Overlay Code the MINIMUM DESIGN FLOOR LEVEL may be returned as 'DDA Survey Required'. If so, refer Drainage Deficient Area requirements attachment for details.
9. If marked as "DDA Not Filled", Council advises that no record exists of this property previously satisfying DDA requirements of the Sunshine Coast Planning Scheme (2014) Flood Overlay Code or the relevant prior planning scheme(s). An attachment will be included with this search that provides detail on the filling and survey requirements.
10. For properties located adjacent to Lake Weyba or within 200m of the Pumicestone Passage, when calculating MINIMUM FINISHED FLOOR LEVEL an additional 300mm allowance for wave setup is added to the 500mm freeboard for properties. This results in a total freeboard of 800mm above the Defined Flood Level.
11. All buildings shall conform to the relevant Planning Scheme Code in the Sunshine Coast Regional Council, 2014.
12. Flood modelling is based on periodic aerial laser survey of the ground surface which filters out buildings and fences. Flow diversions caused by solid obstructions may not be identified in this search. Changes to surface levels and drainage may have altered the overland flow and flood behaviour within this property.
13. Council advises that if there are openings to basements these openings require a minimum level at least equal to the minimum finished floor level.
14. The levels and velocities provided on this search are derived from information relating to the flood hazard that is deemed most current and reliable at the time of search provision. This information may supersede flood information contained on the Sunshine Coast Regional Council Planning Scheme Flood Overlay (2014) which requires planning scheme amendment to maintain currency.
15. Section 8 of Building Regulations defines an inactive flow or backwater area to mean *all or part of a flood hazard area where the maximum flow velocity of water is not likely to be greater than 1.5m/s*. Council advises that velocity in some waterways, floodways and overland flow paths is less than 1.5m/s and would therefore meet this definition. Obstructing such flow paths is inherently problematic and likely to cause adverse impact. The declaration of a backwater area or inactive flow path should not be interpreted as acceptable to obstruct.
16. Additional information on the frequency and extent of flooding within this property can be found on Council's online mapping at: <https://www.sunshinecoast.qld.gov.au/Development/Development-Tools-and-Guidelines/Sunshine-Coast-Mapping-MyMaps>

DISCLAIMERS

Flood information provided by Council represents the best information available to Council. It should only be used as a guide to the extent of flooding on the property. This information may be inaccurate or incomplete and it is recommended that purchasers make their own local enquiries with regard to the flooding and drainage history of the site.

The flood level information supplied does not represent the highest possible flood level that could occur on this property. Statistics indicate that a flood of equivalent or greater magnitude than the defined flood event is possible and has a 1% chance of occurring in any given year and similarly a 50% chance of occurring within 70 years.

The absence of flood information does not imply that the property is not subject to flooding, simply that Council has no information for this property flooding. If the property has a history of flooding or drainage problems, Council recommends you seek professional advice on this matter.

GLOSSARY OF TERMS

Term	Definition
<i>Applicant</i>	The individual(s) requesting a flood search to be completed for a specified property.
<i>Registered Owners</i>	The individual(s) that are registered by Council as owning the property for which a flood search is requested.
<i>AHD</i>	The Australian Height Datum (AHD) is the reference level for defining reduced levels adopted by the National Mapping Council of Australia. The level of 0.0 m AHD is approximately mean sea level.
<i>Defined Flood Event Level</i>	A water level derived through mathematical modelling of the Defined Flood Event.
<i>Defined Flood Event</i>	Terminology consistent with Single State Planning Policy (SPP, 2013) which states "Defined Flood Event is the flood event adopted by a local government for the management of development in a particular area". This may also be the defined storm tide event where the flood level of the storm tide exceeds the flood level of the freshwater flood event (at the AEP of the defined flood event).
<i>Source of Information</i>	Is a reference to the document summarising the results of the anticipated flooding relevant to this location.
<i>Minimum Finished Floor Level</i>	The minimum finished floor level calculated in accordance with the planning scheme flood overlay through the addition of the relevant freeboard to the Defined Flood Event Level. The minimum finished floor level on this search relates to a flooding requirement. In some instances town planning notation may also specify a minimum finished floor level. The applicant should ensure that a town planning notation search is also undertaken. The minimum finished floor level is the higher of the level provided on this search and a minimum finished floor level from a town planning notation.
<i>AEP</i>	Annual Exceedance Probability. The 1% AEP has a 1% chance of exceedance in any year.
<i>Rainfall Intensity</i>	The amount of rainfall occurring in a unit of time, usually expressed in millimetres/hour.
<i>Mean Sea Level</i>	A tidal datum; the arithmetic mean of hourly heights of the sea at the tidal station observed over a period of time (preferably 19 years). Source: BOM This is approximately 0.0 m AHD
<i>Storm Tide</i>	The elevation of water generated by a severe weather event such as an east coast low pressure system or tropical cyclone above the normal astronomical tide.
<i>Tropical Cyclone</i>	A tropical cyclone is a low-pressure system which is sufficiently intense to produce sustained winds of at least 63 km/h or greater and gusts in excess of 90 km/h near the centre.
<i>Freeboard</i>	A factor of safety usually expressed as a height above the adopted Defined Flood Level. A freeboard tends to compensate for factors such as wave action and historical and modelling uncertainties.
<i>Flood Hazard Area</i>	An area, whether or not mapped, designated by a local government as a natural hazard area (flood) in the Building Regulation 2021, section 8.
<i>Drainage Flood</i>	This flood type has a flood level derived from a stormwater drainage study with rainfall as the source of flooding. This is normally a local area study that incorporates elements of the stormwater network in the assessment. These studies can provide flood levels associated with overland flow beyond the flood extent shown derived from a Riverine/Creek flood study
<i>Regional/Riverine</i>	This flood type has a flood level derived from a Regional (Riverine or Creek) flood study with rainfall as the source of flooding. As these studies are for larger areas they only consider surface flows and not the sub surface drainage network. Often flows will be input into the flood model at 'source points' and thus overland flows are not represented for the whole catchment area.
<i>Storm Tide Flood</i>	This flood type has a flood level derived from a Storm Tide flood study with the ocean condition as the source of flooding.