





COMPOUND ENCLOSED BY SECURITY FENCE (REFER TO NBN-STD-0012)

TIMBER EDGING (REFER TO NBN-STD-0012)

NEW NBN 60m LEBLANC LATTICE TOWER

NBN TRANSMISSION ANTENNA (1-OFF)

OUTLINE OF TOWER FOUNDATION

CABLE LADDER ROUTE FOR TOWERS WITH CENTRAL CABLE RISER

CABLE LADDER SUPPORT POST (REFER TO NBN-STD-0014)

OUTDOOR CABINET SLAB (REFER TO NBN-STD-0034-SHT 4)

NBN OUTDOOR CABINET B158 (2 OFF) TO BE INSTALLED ON NEW CONCRETE SLAB. (REFER TO NBN-STD-0016-SHT 5)

75mm THICK SINGLE SIZED GRAVEL OVER WEED MAT. ON LEVEL SITES. USE LOCAL GRAVEL AS APPROVED

LOCKING TUBES ENCASEMENT (REFER TO NBN-STD-0012)

3000mm WIDE DOUBLE VEHICULAR ACCESS GATES (REFER TO NBN-STD-0012)

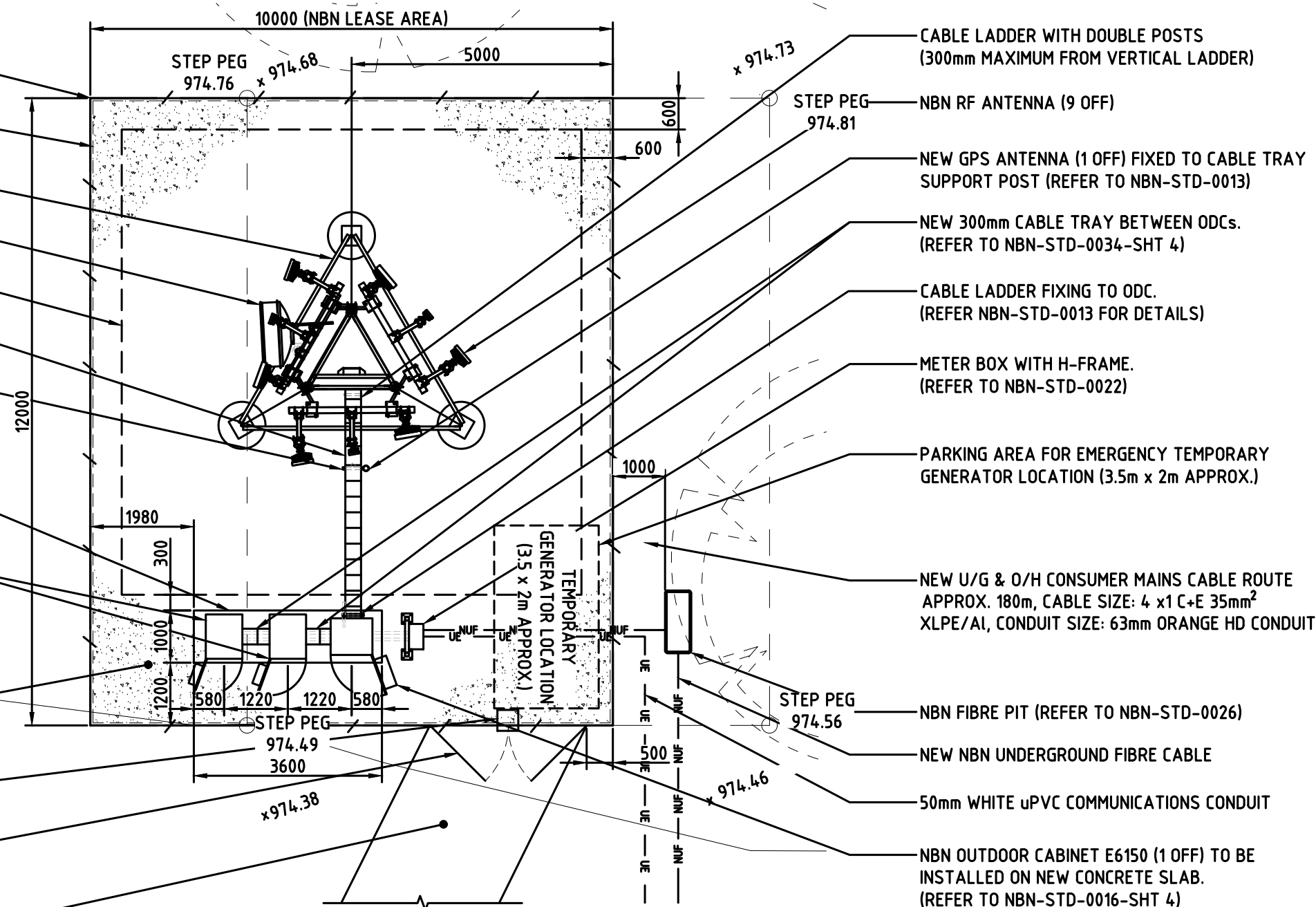
UPGRADE TO NEW NBN 3m WIDE ACCESS TRACK, SINGLE SLOPE PROFILE APPROX. 200m (REFER TO NBN-STD-0028)

### LEGEND

- PROPERTY BOUNDARY
- NBN COMPOUND SECURITY FENCE
- UNDERGROUND ELECTRICAL
- NBN U/G FIBER LINE

### NOTES:

1. EXISTING VEGETATION NOT SHOWN FOR CLARITY.
2. REFER TO DWG. A1 & A2 FOR ANTENNA AND RRU DETAILS.



DETAIL SCALE 1:100 1  
C2

Client:
Client:
Client:
Project:

**NATIONAL BROADBAND NETWORK**  
 SITE No: 2DPW-51-01-DEEW  
**DEEPWATER**  
 21/753272, 2 SIMPSON STREET, DEEPWATER, NSW 2371

**PRELIMINARY**

01	06.08.24	PRELIMINARY	RTK
Rev	Date	Revision Details	CAD

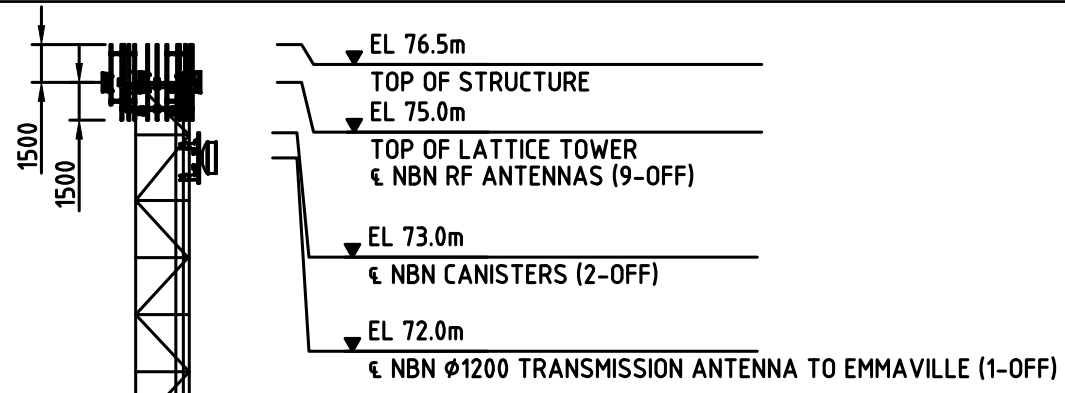
VISIONSTREAM AUSTRALIA PTY LTD  
 167 Cremorne Street  
 Cremorne, VIC 3121  
 Website: <https://www.visionstream.com/>  
 AU phone number: 1300 VENTIA (836 842)  
 NZ phone number: 0508 VENTIA (836 842)

DESIGNER: MD  
 CHECKED: ML  
 APPROVED: SM

Drawing Title:  
**SITE SETOUT PLAN**

Drawing No. 2DPW-51-01-DEEW-C3  
 Revision 01

NBN EQUIPMENT EXTERNAL COLOUR SCHEDULE		
FEATURE	EXTERNAL MATERIAL	COLOUR
COMPOUND FENCE	GALVANISED STEEL	NATURAL
LATTICE TOWER	GALVANISED STEEL	NATURAL
MOUNTING BRACKETS & PIPES	GALVANISED STEEL	NATURAL
HEADFRAME	GALVANISED STEEL	NATURAL
ACCESS LADDER	GALVANISED STEEL	NATURAL
H-FRAME	GALVANISED STEEL	NATURAL
RF ANTENNA	PLASTIC	FACTORY COLOUR (LIGHT GREY)
TRANSMISSION ANTENNA	PLASTIC	FACTORY COLOUR (LIGHT GREY)
OUTDOOR CABINET	METAL POWDER COATED	NATURAL
POWER DISTRIBUTION	METAL POWER COATED	NATURAL



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**PRELIMINARY**

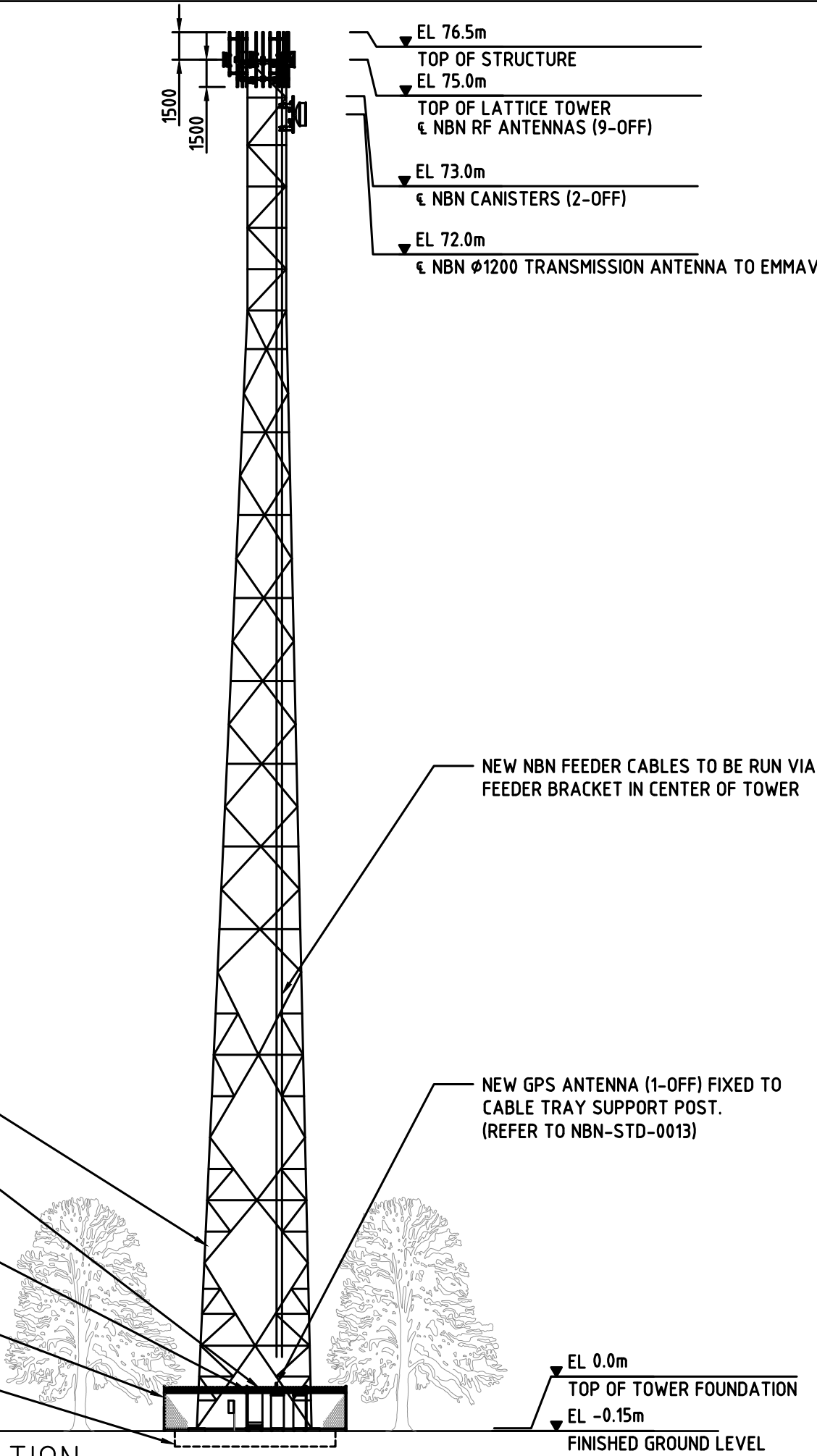
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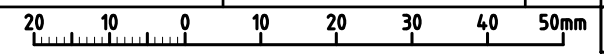
DESIGNER: MD  
 CHECKED: ML  
 APPROVED: SM

Drawing Title:  
**SITE ELEVATION AND DETAILS**

Drawing No. 2DPW-51-01-DEEW-C4  
 Revision 01



**NORTH ELEVATION**  
 SCALE 1:300



# Environmental EME Report

<b>Location</b>	Deepwater, 21/753272 2 Simpson Street, Deepwater NSW 2371		
<b>Date</b>	15/08/2024	<b>RFNSA No.</b>	2371010

## How does this report work?

This report provides a summary of levels of radiofrequency (RF) electromagnetic energy (EME) around the wireless base station at Deepwater, 21/753272 2 Simpson Street, Deepwater NSW 2371. These levels have been calculated by NBN using methodology developed by the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA). A document describing how to interpret this report is available at ARPANSA's website:

[A Guide to the Environmental Report.](#)

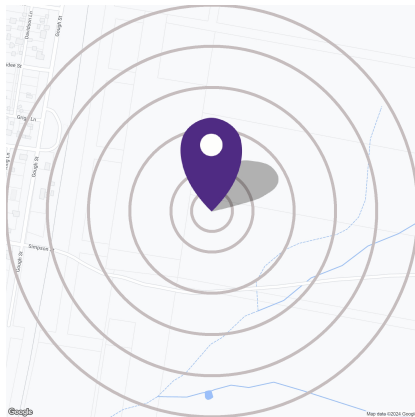
## A snapshot of calculated EME levels at this site

There are currently no existing radio systems for this site.

The maximum EME level calculated for the **proposed** changes at this site is

# 1.32%

out of 100% of the public exposure limit, 241 m from the location.



### EME levels with the proposed changes

Distance from the site	Percentage of the public exposure limit
0-50 m	0.25%
50-100 m	0.35%
100-200 m	1.12%
200-300 m	1.32%
300-400 m	1.15%
400-500 m	0.76%

For additional information please refer to the EME ARPANSA Report annexure for this site which can be found at <http://www.rfnsa.com.au/2371010>.

## Radio systems at the site

This base station currently has equipment for transmitting the services listed under the existing configuration. The proposal would modify the base station to include all the services listed under the proposed configuration.

Carrier	Existing		Proposed	
	Systems	Configuration	Systems	Configuration
NBN			4G, 5G	LTE2300 (proposed), LTE3500 (proposed), NR28000 (proposed)



## An in-depth look at calculated EME levels at this site

This table provides calculations of RF EME at different distances from the base station for emissions from existing equipment alone and for emissions from existing equipment and proposed equipment combined. All EME levels are relative to 1.5 m above ground and all distances from the site are in 360° circular bands.

Distance from the site	Existing configuration			Proposed configuration		
	Electric field (V/m)	Power density (mW/m <sup>2</sup> )	Percentage of the public exposure limit	Electric field (V/m)	Power density (mW/m <sup>2</sup> )	Percentage of the public exposure limit
0-50m				3.08	25.20	0.25%
50-100m				3.64	35.20	0.35%
100-200m				6.50	112.22	1.12%
200-300m				7.04	131.54	1.32%
300-400m				6.59	115.31	1.15%
400-500m				5.35	75.96	0.76%

## Calculated EME levels at other areas of interest

This table contains calculations of the maximum EME levels at selected areas of interest, identified through consultation requirements of the [Communications Alliance Ltd Deployment Code C564:2020](#) or other means. Calculations are performed over the indicated height range and include all existing and any proposed radio systems for this site.

### Maximum cumulative EME level for the proposed configuration

Location	Height range	Electric field (V/m)	Power density (mW/m <sup>2</sup> )	Percentage of the public exposure limit
No locations identified				