

EXECUTIVE SUMMARY

Proposal	<p>NBN Co propose to install a new fixed wireless broadband facility within the Ravensthorpe area comprised of the following:</p> <ul style="list-style-type: none"> ▪ 30m high slimline monopole; ▪ 2x parabolic dish antenna; ▪ 7.5m² equipment shelter at ground level; ▪ Ancillary equipment associated with operation of facility, including cable trays, cabling, safe access methods, bird proofing, earthing, electrical works and air-conditioning equipment. 	
Purposes	<p>The proposed facility is necessary to provide NBN Co fixed wireless broadband coverage to the Ravensthorpe region.</p>	
Property Details	<p><i>Lot & Plan No:</i> Lot 50 on Plan 222384 <i>Street Address:</i> Hopetoun –Ravensthorpe Road, WA 6346 <i>Overall Site Area:</i> approx 2023m² <i>Property Owner:</i> Donald and Julie Bell</p>	
Town Planning Scheme	<p><i>Shire of Ravensthorpe:</i> Town Planning Scheme No. 5 <i>Zone:</i> General Agriculture <i>Other Planning Controls:</i> None <i>Permissibility of Use:</i> A – requires advertising and Council discretion</p>	
Applicable Planning Policies	Relevant State & Local Planning Policies	Complies
	<i>State Planning Policy 5.2</i> Telecommunications Infrastructure	Yes
	<i>Local Planning Scheme No 5</i> Zoning Objectives & Provisions	Yes
Application	<p>Use and development of the land for the purposes of construction & operation of a Telecommunications Facility (Fixed Wireless Broadband)</p>	
Applicant	<p>NBN Co Limited (NBN Co) c/- Daly International PO Box 1215 West Perth WA 6872 Contact: Aron Holbrook Our Ref: Ravensthorpe South - NBN</p>	

SECTOR

SYMBOL

TYPE

DIMENSION
HxWxD

HEIGHT

AZIMUTH
(TN)

MECH
DOWN
TILT

DESTINATION

QUANTITY
RAU

A

PARABOLIC

ø1200

28.50m

183.38°

TABLE HILL

1 OFF

B

PARABOLIC

ø600

22.00m

298.16°

RAVENSTHORPE

1 OFF

ANTENNA DETAIL

MAIN FEEDER DETAIL

RRU DETAIL

RF TAIL

TYPE

OVERALL
LENGTH

CANISTER
HEIGHT

CANISTER
TO RRU
LENGTH

TYPE

LOCATION

TYPE

LENGTH

ERICSSON
7.6mm

4.0m

ERICSSON
7.6mm

30m

Client:

Client:

Client:

Project:

NATIONAL BROADBAND
NETWORK

SITE No: 6HOP-54-02-RVS
RAVENSTHORPE SOUTH
LOT 50 HOPETOUN -
RAVENSTHORPE ROAD
DESMOND
WA 6346

PRELIMINARY

02 04.01.19 PARABOLIC ANTENNAS REVISED JHB
01 31.10.12 PRELIMINARY BRS
Rev Date Revision Details CAD

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DRAFTED BY: BRS
CHECKED BY: RS
APPROVED BY: CT

Drawing Title:
SITE SPECIFIC
NOTES AND
ANTENNA TABLE

Drawing No. 6HOP-54-02-RVS-C1
Revision 02

2. GENERAL
THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT NBN CONSTRUCTION STANDARDS, AUSTRALIAN STANDARDS AND SPECIFICATIONS.

3. SITE ACCESS
ACCESS TO BE PROPOSED NBN SITE WILL BE VIA THE EXISTING GRAVEL TRACK OFF HOPETOUN RAVENSTHORPE ROAD. 4WD RECOMMENDED IN ALL WEATHER CONDITION. CONSTRUCTION ACCESS WILL BE THE SAME.

4. EQUIPMENT
PROPOSED NBN OUTDOOR CABINETS TO BE INSTALLED WITHIN NBN COMPOUND.

5. STRUCTURE
PROPOSED NBN 30m HIGH MONOPOLE.

6. ANTENNA ACCESS
ANTENNA ACCESS VIA LADDER AND FALL ARREST OR EWP (BY QUALIFIED RIGGER PERSONNEL ONLY).

7. EXISTING SERVICES
THE CONTRACTOR SHALL IDENTIFY AND CONFIRM THE LOCATION OF ALL RELEVANT EXISTING SERVICES AS REQUIRED PRIOR TO THE COMMENCEMENT OF WORKS.

8. EXISTING SITE HAZARDS
THE FOLLOWING HAZARDS ARE PRESENT ON SITE:
- WORKING AT HEIGHTS
- SLIP, TRIP AND FALLS
- WEATHER / LIGHTNING
- SUN EXPOSURE
- WATER TANK
- INFORMATION BOARD
- SNAKES

9. ELECTRICAL SUPPLY
TO BE CONFIRMED.

10. TRANSMISSION LINK
REFER TO ABOVE TABLE

11. WIND PARAMETERS

SITE TOPOGRAPHIC DATA
REGION = A1 (M1=1)

N	NE	E	SE	S	SW	W	NW
30.76	6.28	24.40	43.07	28.42	0.31	29.88	38.21
H (m)	950	250	400	950	1550	800	950
Lu (m)	-	-	-	-	-	-	-
X (m)	2.0	2.0	2.2	2.5	2.0	2.0	2.2
Tc							

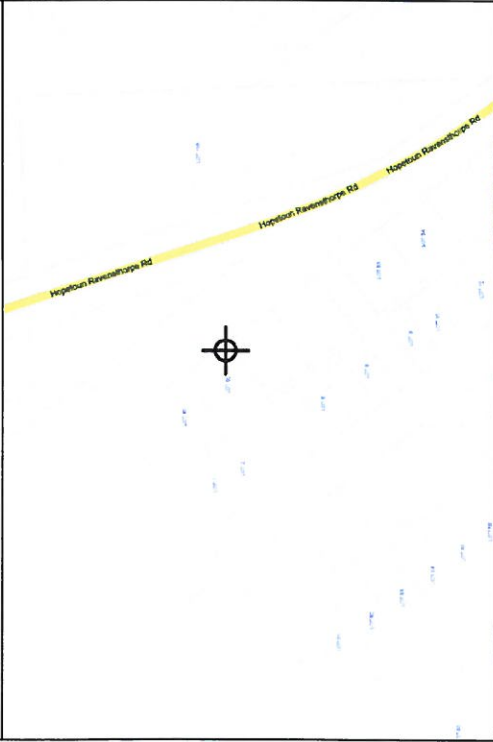
MGA

ANTENNA PLAN
SCALE 1:50

CAD File: C:\NBN Wireless\WALCUT\BRS\KAZ-Katanning\KAZ-6HOP-54-02-Ravensthorpe South\11 Greenfield Site\A6 CAD (Secure)\6HOP-54-02-RVS-201904_REV_02.dwg Date: 21/01/2012, 4:05 PM Login: jmorabdelil

20 10 0 10 20 30 40 50mm A3

SITE LOCATION



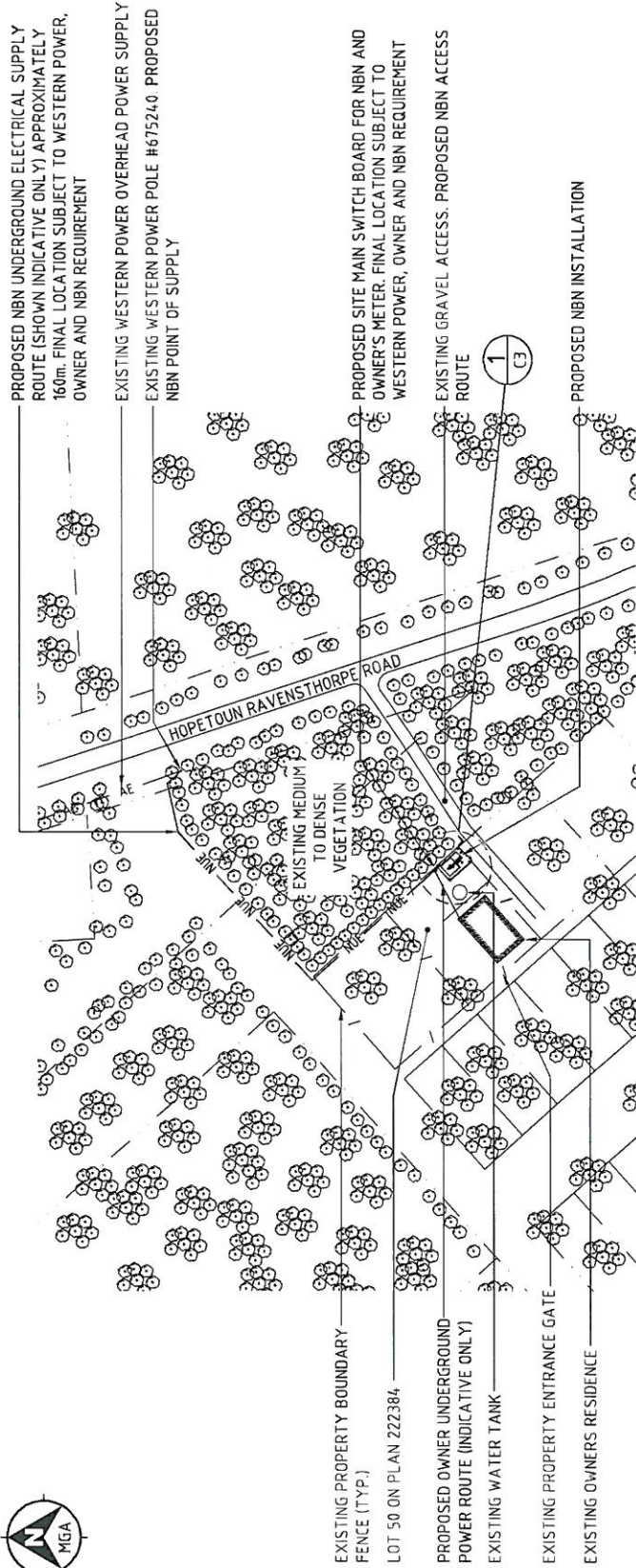
COPYRIGHT © GOOGLE MAPS

SITE CO-ORDINATES

€ MONOPOLE	
DATUM: MGA (GDA94)	ZONE: 50
LATITUDE	-33.62798°
LONGITUDE	120.14416°
EASTING	235 083
NORTHING	6 275 433

LEGEND

- NUE — NBN UNDERGROUND ELECTRICAL SUPPLY
- AE — AERIAL ELECTRICAL SUPPLY
- / — FENCELINE
- //// BUILDING



OVERALL SITE PLAN

SCALE 1:2000

Client:



Client:



Client:

Project:

NATIONAL BROADBAND NETWORK
SITE No: 6HOP-54-02-RVS
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PRELIMINARY

Rev	Date	Revision Details
01	31/10/12	PRELIMINARY
		BRS
		CAD



DRAFTED BY: BRS
CHECKED BY: RS
APPROVED BY: CT

OVERALL SITE PLAN

Drawing No.	Revision
6HOP-54-02-RVS-C2	01

20 10 0 10 20 30 40 50mm A3



NBN Co
Limited



ERICSSON

Project: NATIONAL BROADBAND NETWORK

SITE No: 6HOP-54-02-RVS
RAVENSTHORPE SOUTH
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PRELIMINARY

02	04.01.13	PARABOLIC ANTENNAS REVISED	JMB
01	31.10.12	PRELIMINARY	BRS
		Rev Date	Revision Details
			CAD



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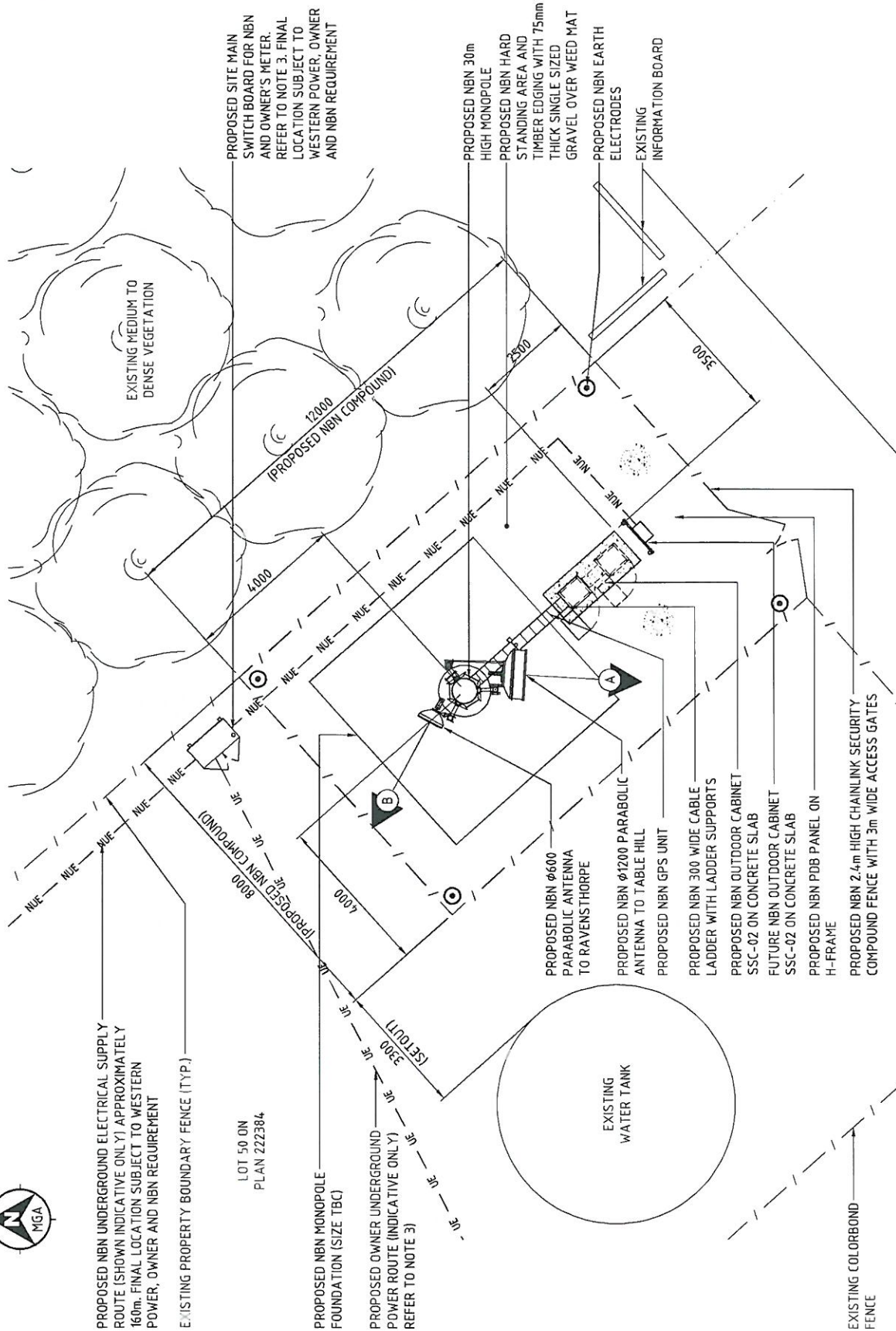
DRAFTED BY: BRS

CHECKED BY: RS

APPROVED BY: CT

Drawing Title:
**SITE SETOUT
PLAN**

Drawing No.	Revision
6HOP-54-02-RVS-C3	02



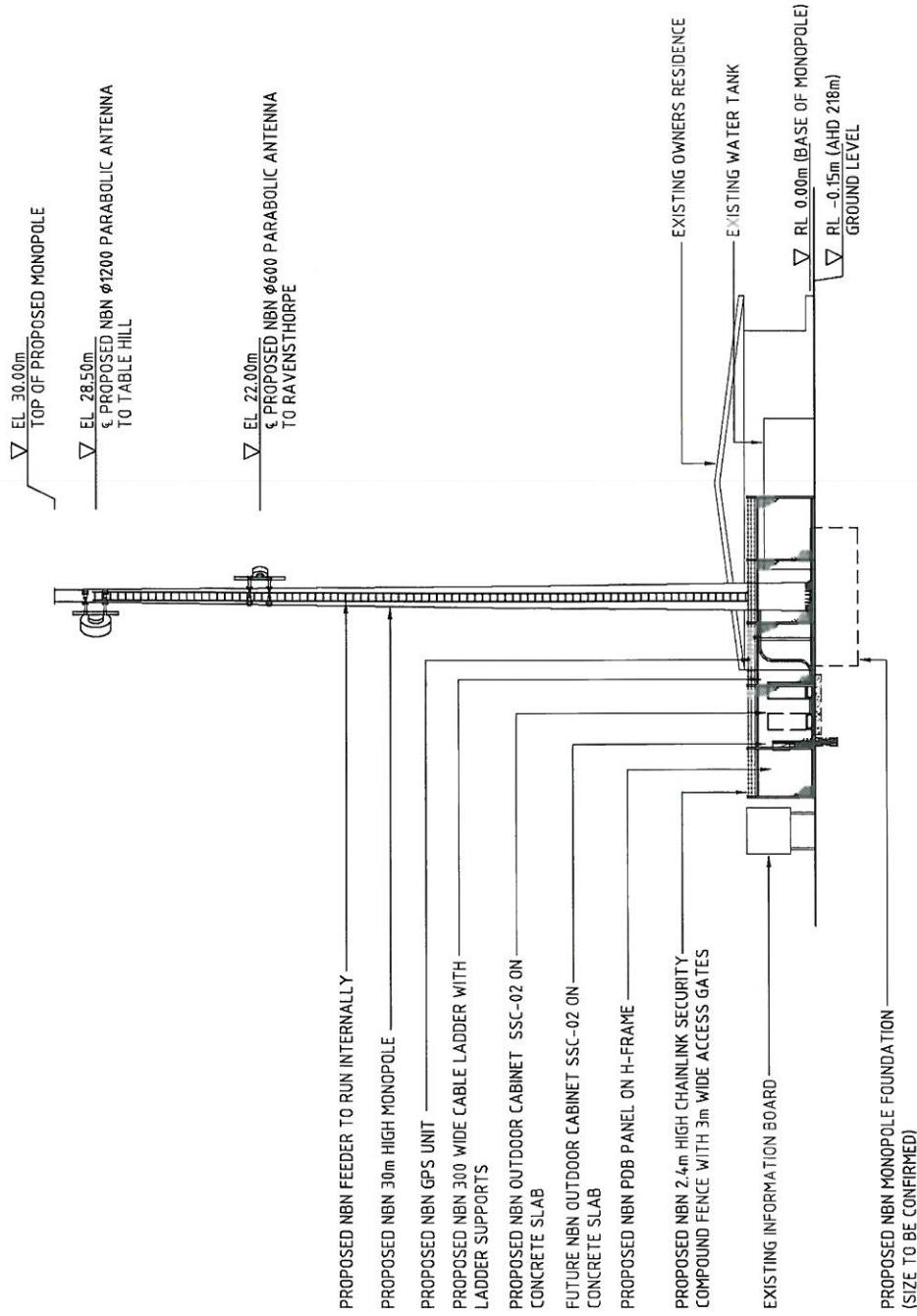
NOTES:

1. REFER TO DRAWING 6HOP-54-02-RVS-C1 FOR PANEL ANTENNA DETAILS.
2. REFER TO DRAWING 6HOP-54-02-RVS-C1 FOR PARABOLIC ANTENNA DETAILS.
3. NBN WILL BE RESPONSIBLE FOR INCLUDING OWNER POWER DEMAND ON THE PROPOSED POWER UPGRADE UP TO THE MAIN SWITCH BOARD. OWNER WILL BE RESPONSIBLE FOR INSTALLING THE UNDERGROUND POWER FROM MAIN SWITCH BOARD TO HIS HOUSE.

DETAIL 1
SCALE 1:100

NOTES:

1. REFER TO DRG SHEET 6HOP-54-02-RVS-C1 FOR ORIENTATION OF ANTENNAS.



NOTE:
THIS DRAWING IS DIAGRAMMATIC ONLY
AND SHOULD NOT BE SCALED.

NORTH EASTERN ELEVATION

SCALE 1:200

Client:



NBN Co
Limited

Client:



ERICSSON

Client:

Project:

**NATIONAL BROADBAND
NETWORK**

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RAVENSTHORPE SOUTH
LOT 50 HOPETOUN -
RAVENSTHORPE ROAD
DESMOND
WA 6346**

PRELIMINARY

02 04/01/19 PARABOLIC ANTENNAS REVISED JRS
01 31/01/18 PRELIMINARY JRS
Rev Date Revision Details CAD



DRAFTED BY: BRS

CHECKED BY: RS

APPROVED BY: CT

Drawing Title:

**SITE ELEVATION
AND DETAILS**

Drawing No.

6HOP-54-02-RVS-C4

Revision

02

20 10 0 10 20 30 40 50mm

A3