

SITE ADDRESS

1364 WATHEROO ROAD
BADGINGARRA
WA 6521



-ATN SITE P1091



SITE LOCATION DATA	
SOURCE:	SURVEY/RFNSA
DATUM: MGA (GDA2020)	ZONE: 50
REF LOCATION:	LATTICE TOWER
LATITUDE	-30.31782
LONGITUDE	115.615878

SITE HAZARDS

1. MANUAL HANDLING
2. WORKING AT HEIGHTS
3. SLIP, TRIP AND FALLS
4. ELECTRICAL HAZARDS
5. WEATHER / LIGHTNING
6. SUN EXPOSURE
7. WILDLIFE / INSECTS

CONSTRUCTION SITE ACCESS

SITE ACCESS FROM EXISTING ACCESS ROAD FROM WATHEROO ROAD AS INDICATED ON DRAWING.

SITE SIGNAGE

SITE SIGNAGE SHALL BE IN ACCORDANCE WITH OSD-170 (GROUND SITE), OSD-191, AND SECTION 6 OF OPTUS DESIGN AND CONSTRUCTION SPECIFICATION (OSD-010).

EME EXCLUSION ZONES

REFER TO SITE EME GUIDE FOR LATEST EME EXCLUSION ZONES FOR PROPOSED ANTENNAS AT THIS SITE.

ELECTRICAL INSTALLATION

FOR ELECTRICAL INSTALLATION DETAILS, REFER TO DRGS P1091-E1 AND E2.

SITE EARTHING

FOR SITE EARTHING DETAILS, REFER TO DRGS P1091-E3.

ASSET PROTECTION ZONE

ESTABLISH AND MAINTAIN 20m ASSET PROTECTION ZONE (APZ) FOR THE LIFE OF THE DEVELOPMENT, CLEARED FROM PLANTATIONS.

NEW ATN TOWER

1. NEW ATN 50m HIGH STEEL LATTICE TOWER. REFER TO REFERENCE DOCUMENTS J3580/1/P1091, J3580/3/P1091 & F1/1/SN FOR DETAILS.
2. TOWER AND HEADFRAME DETAILS, INCLUDING ANTENNA MOUNTS, FEEDER CABLE SUPPORTS IS IN ACCORDANCE WITH THE "OPTUS TOWER SPECIFICATION" (OSD-030).
3. NEW OPTUS PANEL ANTENNAS, PARABOLIC ANTENNA AND ANCILLARY MOUNTS ON NEW TRIANGULAR HEADFRAME/FACE FRAME MOUNT FIXED TO NEW LATTICE TOWER DESIGNED AND CERTIFIED BY FUTURE ENGINEERING AND COMMUNICATION. REFER TO REFERENCE DOCUMENTS J3580/2/HF6-1, F7/1/AN58 & F1/1/SN FOR DETAILS.
4. REFER TO GEOTECHNICAL INVESTIGATION REPORT FOR SUBSOIL CONDITIONS.
REFER TO REFERENCE DOCUMENTS J211081-1 FOR DETAILS.
5. ANTENNA MAINTENANCE ACCESS VIA LATTICE TOWER INTERNAL LADDER SYSTEM ONLY BY QUALIFIED RIGGER PERSONNEL.

EQUIPMENT ODU FITOUT

1. NEW OPTUS VERTIV 4-BAY ODU ON NEW CONCRETE SUPPORT SLAB.
2. NEW OPTUS VERTIV 4-BAY ODU TO BE COLOURED 'PALE EUCALYPT'.
3. REFER REFERENCE DOCUMENT P1091-S1 FOR NEW OPTUS ODU CONCRETE SUPPORT SLAB DETAILS.
4. ODU SELECTION IS BASED ON OPTUS OSD-010 V18 SECTION 3.1.2.
5. ODU RACK LAYOUT BASED ON OPTUS OM383L9 OPTUS STANDARD RACK DRAWING VER 3.1.
6. REFER TO VERTIV DRG. 21-0011 FOR VERTIV 4-BAY OUTDOOR MUL TI-BAY ENCLOSURE DETAILS..
7. REFER TO DRG P1091-F1 FOR ODU INTERNAL EQUIPMENT LAYOUT.

TRANSMISSION

THIS SITE SHALL BE LINKED TO THE NETWORK VIA RADIO IN ACCORDANCE WITH DRAWING P1091-T1.1. FOR RADIO LINKS, WORKS AT THE LINK SITE(S) SHALL BE CARRIED OUT IN ACCORDANCE WITH LINK SITE'S TRANSMISSION DRAWINGS. ISSUED SEPARATELY.

[illegible]

Client:



OPTUS

Project:

MOBILE NETWORK
AUSTRALIA
SITE No: P1091
BADGINGARRA EAS
BADGINGARRA, WA

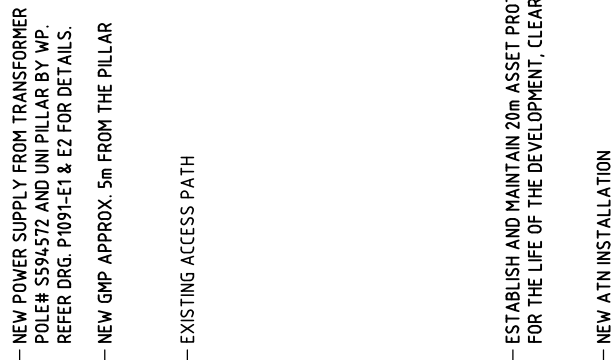
Drawing Title:

SITE SPECIFICATIONS

Drawing Status:

Drawing No.
P1091-G1

Revision	A
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1:2000

NOTES:

1. REFER TO DRAWING OSD-170 FOR SITE SIGNAGE REQUIREMENTS.

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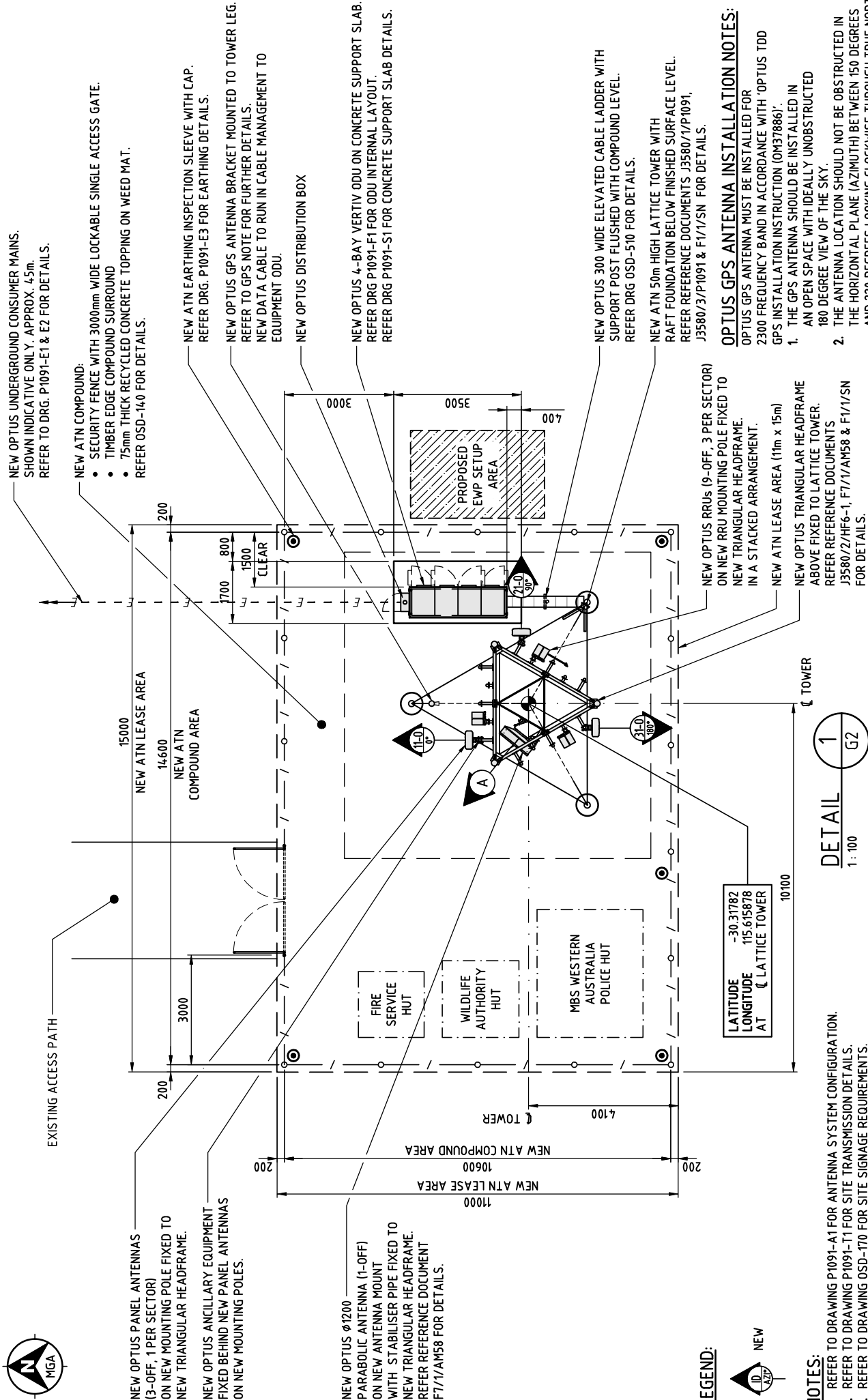
Project: **MOBILE NETWORK
AUSTRALIA
SITE No: P1091
BADGINGARRA EAST
BADGINGARRA, WA**



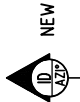
OPTUS

OVERALL SITE PLAN

Drawing Status:	Drawing No.	Revision
FOR CONSTRUCTION	P1091-G2	A
20 10 0 10 20 30 40 50mm		



LEGEND:



NOTES:

1. REFER TO DRAWING P1091-A1 FOR ANTENNA SYSTEM CONFIGURATION.
2. REFER TO DRAWING P1091-T1 FOR SITE TRANSMISSION DETAILS.
3. REFER TO DRAWING OSD-170 FOR SITE SIGNAGE REQUIREMENTS.

Rev	Date	Issued For Construction	Consent	CAD Designer	Verifier	WS	F
A	15/12/22	ISSUED FOR CONSTRUCTION					

Client:



Project:
MOBILE NETWORK
AUSTRALIA
SITE NO: P1091
BADGINGARRA EAST
BADGINGARRA, WA

Drawing Title:

SITE LAYOUT AND SETOUT PLAN

Drawing Status:	Drawing No.	Revision
FOR CONSTRUCTION	P1091-G3	A

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

NEW OPTUS PANEL ANTENNAS (3-OFF, 1 PER SECTOR)
ON NEW MOUNTING POLE FIXED TO
NEW TRIANGULAR HEADFRAME.
NEW OPTUS RRUS (6-OFF, 2 PER SECTOR +
1-OFF, SHARED BETWEEN ALL SECTORS)
ON NEW MOUNTING POLE FIXED TO
NEW TRIANGULAR HEADFRAME.

NEW OPTUS TRIANGULAR HEADFRAME
FIXED TO NEW LATTICE TOWER.
NEW OPTUS $\phi 1200$ PARABOLIC ANTENNA (BEHIND).
REFER DRG. P1091-T1 FOR DETAILS.

NEW ATN 50m HIGH LATTICE TOWER
NEW OPTUS TRUNK CABLES (3-OFF)
TO RUN ALONG FEEDER BRACKETS
FIXED TO TOWER LEG.

NEW OPTUS GPS ANTENNA
BRACKET MOUNTED TO TOWER LEG.
ON NEW CONCRETE SUPPORT SLAB.
NEW OPTUS 4-BAY VERTIV ODU

NEW OPTUS UNDERGROUND CONSUMER MAINS.
SHOWN INDICATIVE ONLY. APPROX. 4.5m.
REFER TO DRG. P1091-E1 & E2 FOR DETAILS.
NEW ATN RAFT FOUNDATION
BELOW FINISHED SURFACE LEVEL.

EASTERN ELEVATION

1 : 200

EL 50.00m TOP OF NEW LATTICE TOWER
NEW OPTUS PANEL ANTENNAS (3-OFF)
NEW OPTUS RRUS (9-OFF)
EL 47.00m NEW OPTUS PARABOLIC ANTENNA 'A'

FIRE SERVICE HUT (BEYOND)
WILDLIFE AUTHORITY HUT (BEYOND)
NEW OPTUS 300 WIDE ELEVATED
CABLE LADDER WITH SUPPORT POST.
MBS WESTERN AUSTRALIA
POLICE HUT (BEYOND)
NEW ATN COMPOUND
SECURITY FENCE WITH
3000mm WIDE LOCKABLE
DOUBLE ACCESS GATE.

EL 0.0m GROUND LEVEL

Rev	Date	Issued For Construction	Permitted Details	CPS	Consultant	CAD	Designer	DL	DL	WS	F	Approver
A	15/12/22	ISSUED FOR CONSTRUCTION										



Project:
MOBILE NETWORK
AUSTRALIA
SITE No: P1091
BADGINGARRA EAST
BADGINGARRA, WA

SITE ELEVATION

Drawing Title:
FOR CONSTRUCTION

Drawing No.
P1091-G4

Revision
A