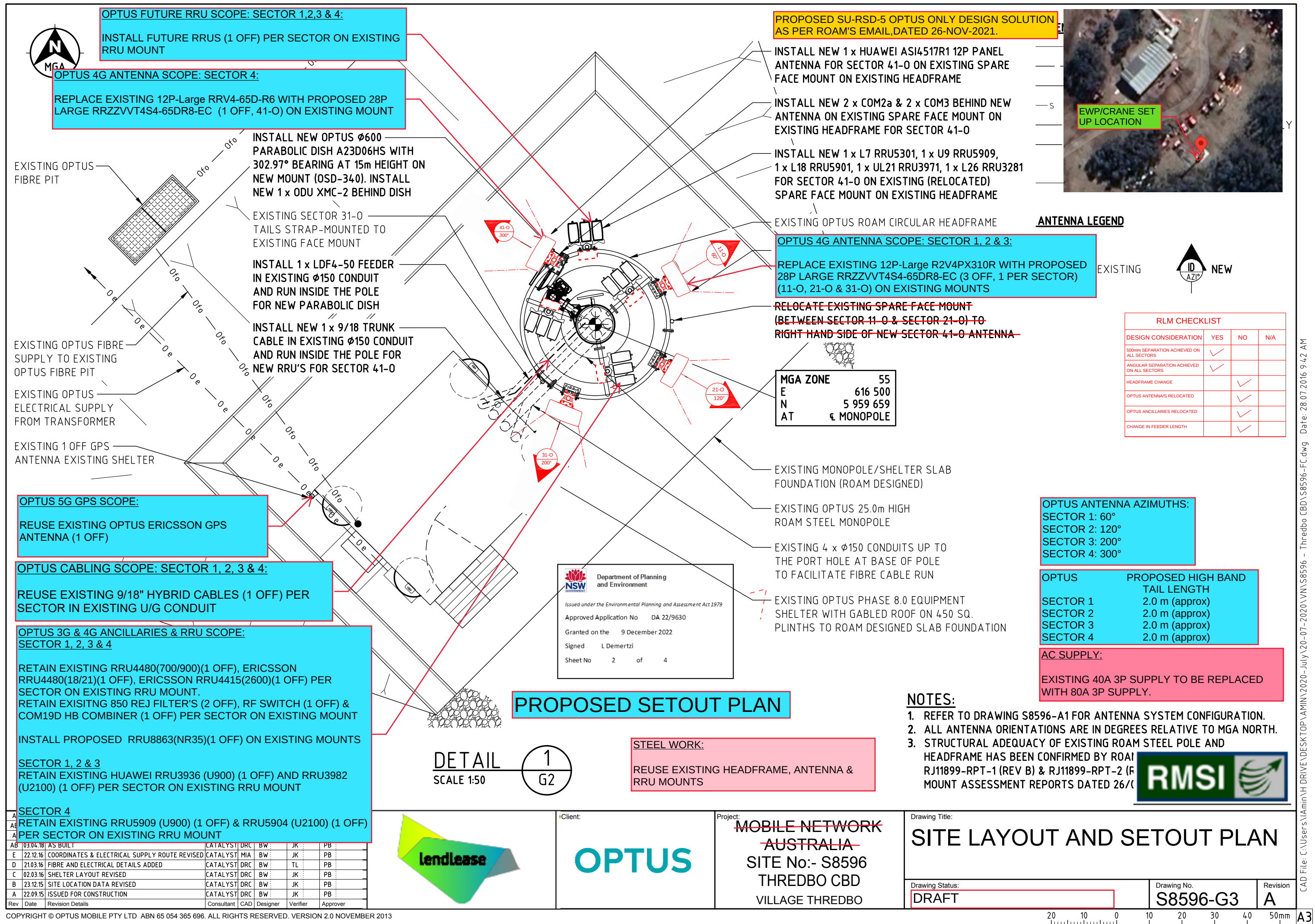




OPTUS 4G ANCILLARIES & RRU SCOPE:SECTOR 1,2,3 & 4

INSTALL FUTURE RRUS (1 OFF) PER SECTOR ON EXISTING RRU MOUNT

PROPOSED RSD-5 OPTUS ONLY DESIGN SOLUTION AS PER ROAM'S EMAIL,DATED 26-NOV-2021.

OPTUS	PROPOSED HIGH BAND
SECTOR 1	TAIL LENGTH
SECTOR 2	2.0 m (approx)
SECTOR 3	2.0 m (approx)
SECTOR 4	2.0 m (approx)

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

NOTE:
EXISTING ANTENNAS AS SHOWN ARE INDICATIVE ONLY AND ARE BASED ON INFORMATION SUPPLIED BY OTHERS AND/OR BY INSPECTION ON SITE.

 Department of Planning and Environment
Issued under the Environmental Planning and Assessment Act 1979
Approved Application No DA 22/9630
Granted on the 9 December 2022
Signed L Demertzi
Sheet No 3 of 4

▽ EL 26.25m

TOP OF PANEL ANTENNAS

▽ EL 25.80m

CL EXISTING OPTUS ERICSSON RRUS (12 OFF)

EL. 25.0m

CL PROPOSED OPTUS COMMSCOPE RRZZVVT4S4-65DR8-EC (4 OFF)
CL EXISTING OPTUS HUAWEI RRUS (8 OFF)
CL PROPOSED OPTUS ERICSSON RRUS (4 OFF)
CL FUTURE OPTUS RRUS (4 OFF)

▽ EL 15.00m

CL NEW OPTUS Ø600 PARABOLIC DISH (LINKED TO S0200 THREDBO)

EXISTING

▽ EL -00.00m

GROUND LEVEL AT SHELTER

EXISTING ICE SHIELD AT EL 4m

EXISTING STONE EDGING AROUND OPTUS EQUIPMENT SHELTER

EXISTING 4 x Ø150 CONDUITS UP TO THE PORT HOLE AT BASE OF POLE TO FACILITATE FIBRE CABLE RUN

RELOCATE EXISTING SPARE MOUNT TO RIGHT HAND SIDE OF NEW SECTOR 41-0 TO INSTALL NEW OPTUS RRU'S (5 OFF)

INSTALL NEW 1 x HUAWEI ASI4517R1 12P PANEL ANTENNA FOR SECTOR 41-0 ON EXISTING SPARE FACE MOUNT ON EXISTING HEADFRAME

INSTALL NEW OPTUS Ø600 PARABOLIC DISH A23D06HS WITH 302.97° BEARING AT 15m HEIGHT ON NEW MOUNT (OSD-340). INSTALL NEW 1 x ODU XMC-2 BEHIND DISH

INSTALL 1 x LDF4-50 FEEDER IN EXISTING Ø150 CONDUIT AND RUN INSIDE THE POLE FOR NEW PARABOLIC DISH

INSTALL NEW 1 x 9/18 TRUNK CABLE IN EXISTING Ø150 CONDUIT AND RUN INSIDE THE POLE FOR NEW RRU'S FOR SECTOR 41-0

EXISTING OPTUS 25.0m HIGH ROAM STEEL MONOPOLE

EXISTING OPTUS FIBRE CABLE TO RUN INTERNAL TO MONOPOLE

EXISTING OPTUS PHASE 8.0 EQUIPMENT SHELTER WITH GABLED ROOF ON 450 SQ. PLINTHS TO ROAM DESIGNED SLAB FOUNDATION

EXISTING MONOPOLE / SHELTER SLAB FOUNDATION (ROAM DESIGNED)

OPTUS 5G GPS SCOPE:

REPLACE EXISTING OPTUS GPS ANTENNA WITH NEW ERICSSON GNSS GPS ANTENNA

ENSURE MIN. 500 HORIZONTAL SEPARATION FROM ANY OTHER EXISTING GPS.

OPTUS 3G & 4G ANCILLARIES & RRU SCOPE: SECTOR 1, 2, 3 & 4

RETAIN EXISTING RRU4480(700/900)(1 OFF), ERICSSON RRU4480(18/21)(1 OFF), ERICSSON RRU4415(2600)(1 OFF) PER SECTOR ON EXISTING RRU MOUNT. RETAIN EXISTING 850 REJ FILTER'S (2 OFF), RF SWITCH (1 OFF) & COM19D HB COMBINER (1 OFF) PER SECTOR ON EXISTING MOUNT

INSTALL PROPOSED RRU8863(NR35)(1 OFF) ON EXISTING MOUNTS

SECTOR 1, 2 & 3

RETAIN EXISTING HUAWEI RRU3936 (U900) (1 OFF) AND RRU3982 (U2100) (1 OFF) PER SECTOR ON EXISTING RRU MOUNT

SECTOR 4

RETAIN EXISTING RRU5909 (U900) (1 OFF) & RRU5904 (U2100) (1 OFF) PER SECTOR ON EXISTING RRU MOUNT

ACCESS TO ANTENNA USING EWP/Crane.

OPTUS ANTENNA AZIMUTHS:

SECTOR 1: 60°
SECTOR 2: 120°
SECTOR 3: 200°
SECTOR 4: 300°

AC SUPPLY:

EXISTING 40A 3P SUPPLY TO BE REPLACED WITH 80A 3P SUPPLY.

PROPOSED NORTH EAST ELEVATION

SCALE 1:250

STEEL WORK:

REUSE EXISTING HEADFRAME, ANTENNA & RRU MOUNTS

NOTES:

- REFER TO DRAWING S8596-A1 FOR ANTENNA SYSTEM CONFIGURATION.
- ALL ANTENNA ORIENTATIONS ARE IN DEGREES RELATIVE TO MGA NORTH.
- STRUCTURAL ADEQUACY OF EXISTING ROAM STEEL POLE AND HEADFRAME HAS BEEN CONFIRMED BY R J11899-RPT-1 (REV B) & R J11899-RPT-MOUNT ASSESSMENT REPORTS DATED 2



Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier	Approver
A	04.10.19	FOR CONSTRUCTION (OPTUS RANCAP PROJECT)	CATALYST	JM	VN	CO	MA
AB	25.10.18	AS BUILT	CATALYST	JM	--	CO	KM
A	11.04.18	FOR CONSTRUCTION (RANCAP UPGRADE PROJECT)	CATALYST	JM	--	CO	KM
AB	03.04.18	AS BUILT	CATALYST	DRC	BW	JK	PB
B	21.03.16	EARTHWORKS DETAILS ADDED	CATALYST	DRC	BW	TL	PB
A	22.09.15	ISSUED FOR CONSTRUCTION	CATALYST	DRC	BW	JK	PB

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Client:

OPTUS

Project:

~~MOBILE NETWORK AUSTRALIA~~
SITE No:- S8596
THREDBO CBD
VILLAGE THREDBO

Drawing Title:

SITE ELEVATION

Drawing Status:

DRAFT

Drawing No.

S8596-G4

Revision

A

20 10 0 10 20 30 40 50mm

CAD File: C:\Users\N\amin\H DRIVE\DESKTOP\AMIN\2020-July 20-07-2020\VN\S8596 - Thredbo CBD\S8596-FC.dwg Date: 28.07.20

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