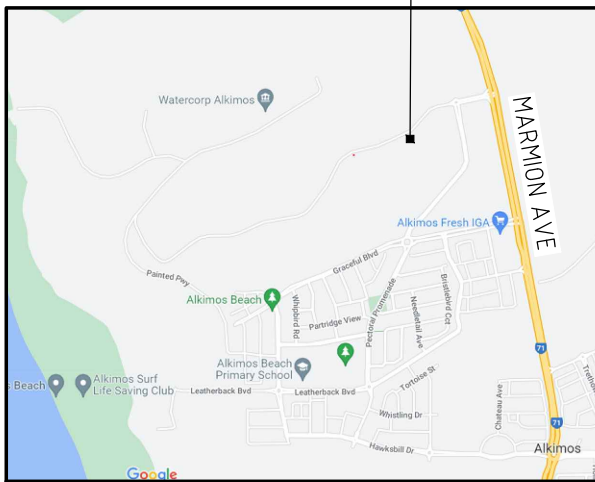
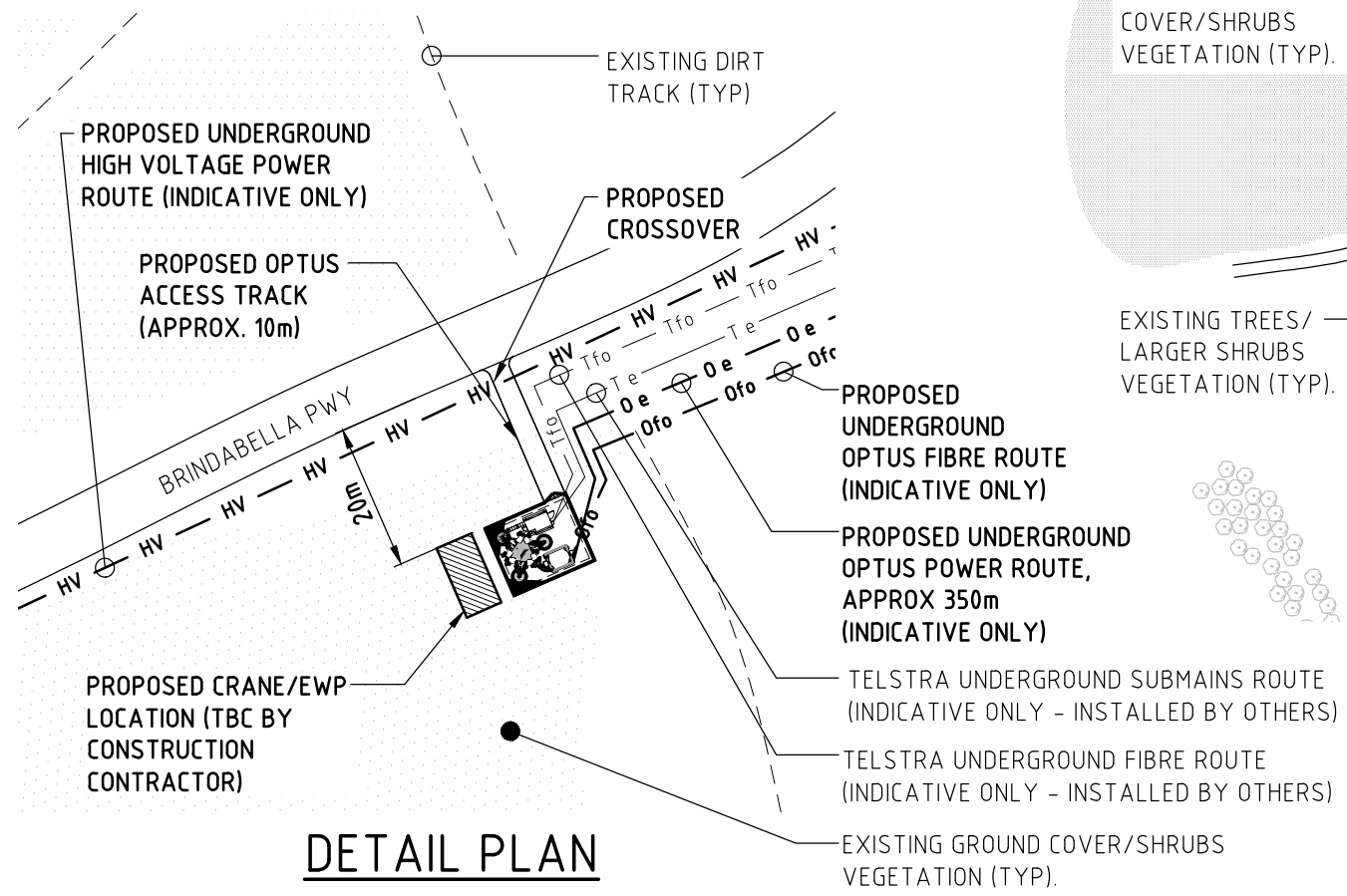


PROPOSED OPTUS
BASE STATION
RFNSA NO. 6038004



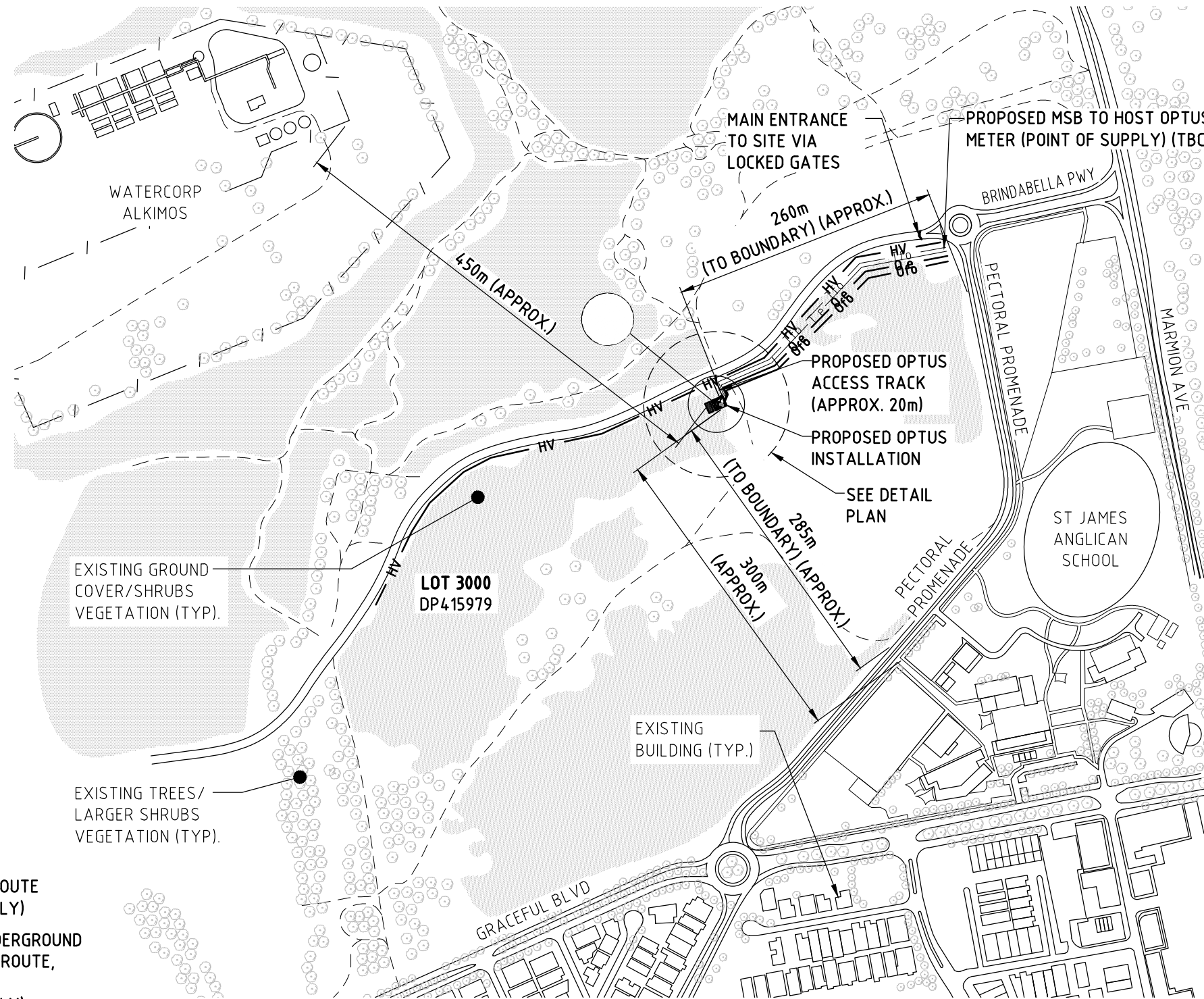
LOCALITY MAP

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DETAIL PLAN

SCALE 1:1000



OVERALL SITE PLAN

SCALE 1:5000

LEGEND

- / — / — PROPERTY BOUNDARY
- / — / — FENCE LINE
- 0 e — 0 e — PROPOSED OPTUS UG ELECTRICITY
- 0 fo — 0 fo — PROPOSED UG HV POWER SUPPLY
- HV — HV — PROPOSED OPTUS UG FIBRE ROUTE
- - - - - EXISTING DIRT TRACKS/ROADS
- Tfo — Tfo — TELSTRA UG FIBRE ROUTE (BY OTHERS)
- Te — Te — TELSTRA UG SUBMAINS ROUTE (BY OTHERS)

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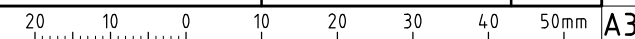
Client:
Project:
MOBILE NETWORK AUSTRALIA
SITE No:- P1411
ALKIMOS CENTRAL
LOT 3000 BRINDABELLA PARKWAY

Drawing Title:
DRAFT OVERALL SITE LAYOUT

Drawing Status:
FOR APPROVAL

Drawing No.
P1411-P1

Revision
01





TELSTRA UNDERGROUND SUBMAINS ROUTE
(INDICATIVE ONLY - INSTALLED BY OTHERS)

TELSTRA UNDERGROUND FIBRE ROUTE
(INDICATIVE ONLY - INSTALLED BY OTHERS)

PROPOSED OPTUS ACCESS TRACK (APPROX.
20m TO CARRIAGEWAY)

TELSTRA EQUIPMENT SHELTER WITH EXTERNAL
DISTRIBUTION BOARD (BY OTHERS)

MGA ZONE 50
E 375 105
N 6 501 377
AT € TOWER

TELSTRA 450W CABLE LADDER (BY OTHERS)

PROPOSED OPTUS 75mm THICK SAME SIZE
RECYCLED CONCRETE TOPPING OVER WEED MAT

PROPOSED 2.4m HIGH OPTUS SECURITY
FENCE & 3m WIDE ACCESS GATE

PROPOSED ATN 60m HIGH LATTICE TOWER
WITH ACCESS LADDER AND TRAFFICABLE
TRIANGULAR HEADFRAME

PROPOSED CRANE/EWP
LOCATION (TBC BY
CONSTRUCTION
CONTRACTOR)

PROPOSED OPTUS PANEL ANTENNAS (3-OFF,
12-0, 22-0, 32-0) WITH ANCILLARIES BEHIND

PROPOSED OPTUS RRU's ON NEW HEADFRAME MOUNTS (5-OFF PER
SECTOR 1, 5-OFF PER SECTOR 2 & 7-OFF PER SECTOR 3, 17-OFF TOTAL)
FUTURE OPTUS RRU's (2-OFF PER SECTORS 1 & 2 AND 1-OFF FOR SECTOR
3, 5-OFF TOTAL)

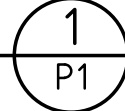
PROPOSED OPTUS NR23 PANEL ANTENNAS (2-OFF TOTAL, 1-OFF PER SECTORS 1 &
2) & NR35 PANEL ANTENNAS (2-OFF TOTAL, 1-OFF PER SECTORS 1 & 2)
FUTURE OPTUS AAU2 PANEL ANTENNAS (2-OFF TOTAL, 1-OFF FOR SECTORS 1 & 2)

PROPOSED VHA NR36 PANEL ANTENNA (3-OFF)
FUTURE VHA AAU PANEL ANTENNAS (3 OFF)

PROPOSED VHA RRU's ON NEW HEADFRAME MOUNTS (3-OFF PER SECTOR,
9-OFF TOTAL)
FUTURE OPTUS RRU's (4-OFF) PER SECTOR, 12-OFF TOTAL)

PROPOSED VHA PANEL ANTENNA
(11-V, 21-V & 31-V) WITH ANCILLARIES BEHIND

DETAIL 1
SCALE 1:100



NOTE:
THIS DRAWING IS DIAGRAMMATIC ONLY
AND SHOULD NOT BE SCALED.
DIMENSIONS, COORDINATES, AND LEVELS
SHOWN ARE NOMINAL AND SUBJECT TO
CONFIRMATION BY SURVEYOR.

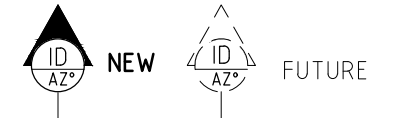
PROPOSED UNDERGROUND
OPTUS FIBRE ROUTE
(INDICATIVE ONLY-TBC)

PROPOSED UNDERGROUND
OPTUS POWER ROUTE
APPROX 350m (INDICATIVE
ONLY-TBC)

SITE ADDRESS:

LOT 3000
BRINDABELLA PARKWAY,
ALKIMOS, WA 6038

ANTENNA LEGEND:



NOTES:

- BASIS OF DESIGN**
 - DESKTOP ANALYSIS
- PANEL ANTENNAS FOR OPTUS**
 - 1-OFF OPTUS PANEL ANTENNA PER SECTOR (EACH 2.688m LONG) AT EL 59m (3-OFF TOTAL)
 - 2-OFF NR23 PANEL ANTENNAS (1-OFF PER SECTORS 1&2)
 - 2-OFF NR35 PANEL ANTENNAS (1-OFF PER SECTORS 1&2)
 - 2-OFF FUTURE AAU2 (1-OFF PER SECTORS 1&2)
 - SECTOR 1 - 90°, SECTOR 2 - 175°, SECTOR 3-320°
 - MOUNTED ON TRAFFICABLE TRIANGULAR HEADFRAME
- FOR VHA**
 - 1 OFF VHA PANEL ANTENNA PER SECTOR (EACH 2.8m LONG) AT EL 59m (3-OFF TOTAL)
 - 1 OFF NR36 PANEL ANTENNA PER SECTOR (3-OFF TOTAL)
 - 1 OFF FUTURE AAU2 PER SECTOR (3-OFF TOTAL)
 - SECTOR 1 - 80°, SECTOR 2 - 180°, SECTOR 3 - 320°
 - MOUNTED ON TRAFFICABLE TRIANGULAR HEADFRAME
- TRANSMISSION**
 - SITE TO BE LINKED TO THE OPTUS NETWORK VIA UNDERGROUND FIBRE
 - FIBRE DESIGN AND DETAILS TBC BY OPTUS
- SHELTER**
 - OPTUS SHELTER
 - SUPPORTED ON CONCRETE PIER FOOTINGS (TBC)
- ATN TOWER**
 - 60m HIGH LATTICE TOWER WITH TRAFFICABLE TRIANGULAR HEADFRAME
- FEEDER CABLES/ HYBRID TRUNK CABLES**
 - SIZE: 6 OFF FIBRE TRUNK CABLES 9/18" 10mm² H&S 2-OFF PER SECTOR
 - LENGTH: 70m ALL SECTORS
- SITE ACCESS**
 - NEW ACCESS TRACK AND CROSS OVER TO BE INSTALLED
 - COURTESY CALL TO LESSOR PRIOR TO ATTENDING PRIOR TO ACCESSING SITE
- ANTENNA ACCESS**
 - VIA VERTICAL ACCESS LADDER WITH LAD-SAF BY QUALIFIED RIGGER PERSONNEL ONLY
- POWER SUPPLY**
 - 140A 3-PHASE POWER REQUIRED FOR SITE (80A 3P REQUIRED FOR OPTUS EJV & 63A 3P ESTIMATED FOR TELSTRA-TBC)
 - COMMON METER REQUIRED TO HOUSE TELSTRA, OPTUS & VHA METERS
 - PVA REQUIRED TO CONFIRM METHOD OF SUPPLY & POINT OF COMMON COUPLING
 - POWER APPLICATION TO BE SUBMITTED IN PHASE 2
- OTHER (PAINTING, LANDSCAPING, SCREENING)**
 - GROUND BATTER MAYBE REQUIRED FOR OPTUS NEW COMPOUND (TO BE CONFIRMED IN PHASE 2 DESIGN)
 - COLOUR/PAINT REQUIREMENT TBC IN DETAILED DESIGN.
 - LOCATION OF U/G SERVICES TO BE CONFIRMED PRIOR TO EXCAVATION

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SITE No:- P1411
ALKIMOS CENTRAL
LOT 3000 BRINDABELLA PARKWAY

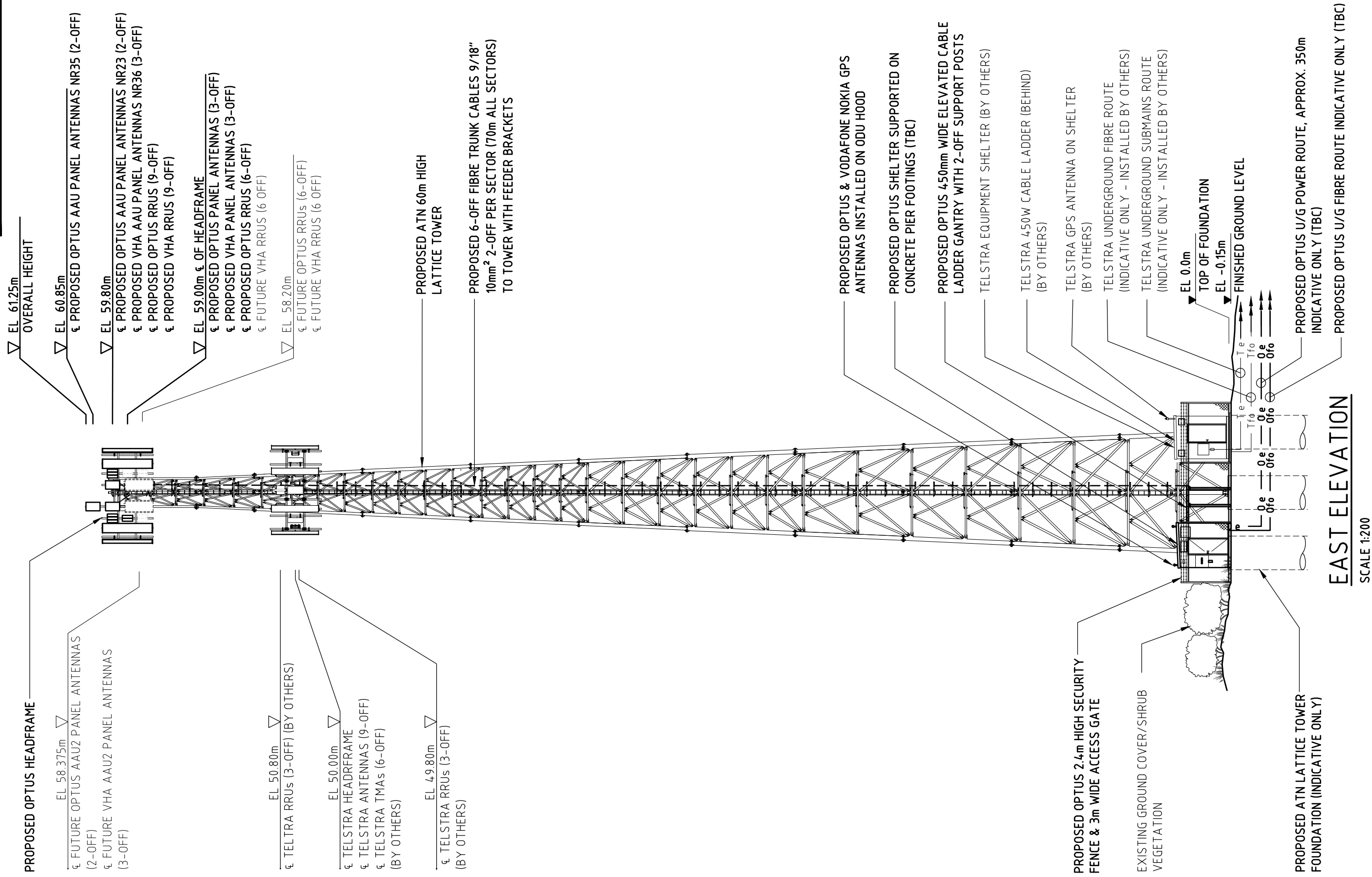
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DRAFT SITE LAYOUT

Drawing Status:
FOR APPROVAL

Drawing No.
P1411-P2
Revision
01

NOTE:
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NOTES:
ANCILLARY EQUIPMENT TO BE INSTALLED BEHIND
THE OPTUS AND VODAFONE PANEL ANTENNAS



EAST ELEVATION

SCALE 1:200

01	09.06.22	ISSUED FOR APPROVAL	SERVICESTREAM	KH	RB	PP	GM
Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier	Approver



Client:
OPTUS

Project:
MOBILE NETWORK AUSTRALIA
SITE No:- P1411
ALKIMOS CENTRAL
LOT 3000 BRINDABELLA PARKWAY

Drawing Title:
DRAFT SITE ELEVATION

Drawing Status:
FOR APPROVAL

Drawing No.
P1411-P3

Revision
01