





PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL  
Approval no: DEV2022/1340  
Date: 7/12/2022

RSD-3 10P Medium

- NOTES:
1. EXISTING OTHER CARRIERS EQUIPMENT IS SHOWN INDICATIVE ONLY AND ARE BASED ON INFORMATION SUPPLIED BY OTHERS.
  2. REFER DRG. 440131-G4 FOR ANTENNA & ANCILLARIES TABLE.
  3. REFER DRG. 440131-RF1 FOR RF PLUMBING DIAGRAM.

| REV    | DATE     | REVISION DESCRIPTION            |
|--------|----------|---------------------------------|
| AB     | 24.04.20 | AS BUILT (OPTUS RANCAP)         |
| 01     | 01.12.17 | FOR CONSTRUCTION (OPTUS RANCAP) |
| VENDOR |          | DESIGNED                        |
| AXCOM  | ADC      | ADC                             |
| AXCOM  | ADC      | ADC                             |
| VENDOR |          | APPROVED                        |
|        | CT       | CT                              |



**vodafone**  
VODAFONE SITE 440131  
SHOWGROUNDS  
GREGORY TERRACE  
BOWEN HILLS, QLD, 4006

OPTUS RANCAP (B8141)

SITE ELEVATION - SHEET 1 OF 4

JOINT VENTURE NO:

JB9759

FOR APPROVAL

DRAWING NO.  
440131-G3REV.  
AB

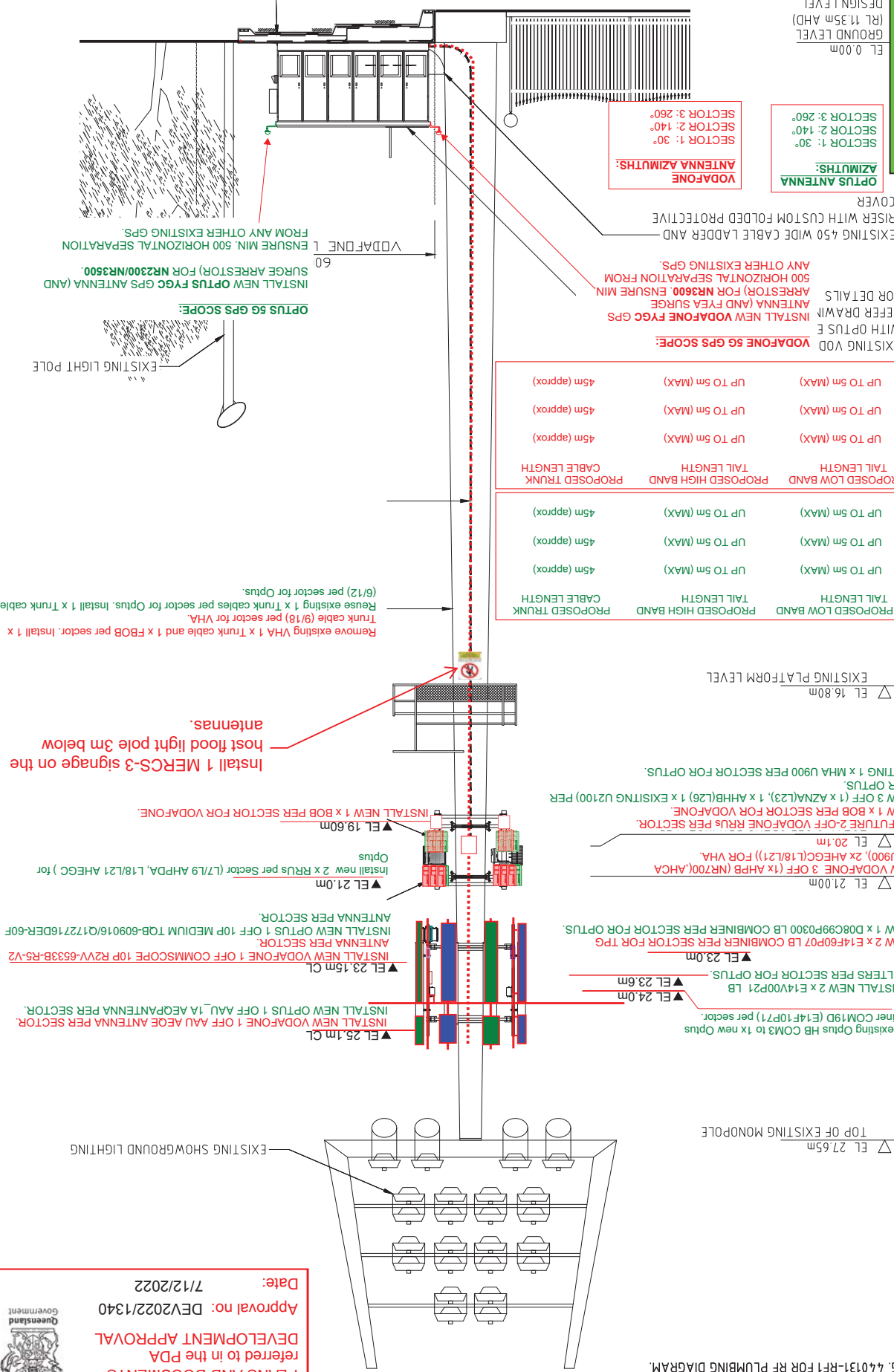
## NORTH WESTERN ELEVATION

SCALE: 1:100

1  
G2

EXISTING AC SUPPLY 32A 3PHASE  
VODAFONE. NEED TO UPGRADE 80A 3 P.  
AC POWER SUPPLY.

ODU SUPPORT SLAB. REFER DRAWING  
440131-S1 & 440131-S2 FOR SETOUT



OPTUS ANTENNA  
AZIMUTHS:  
SECTOR 1: 30°  
SECTOR 2: 140°  
SECTOR 3: 260°

VODAFONE  
ANTENNA AZIMUTHS:  
SECTOR 1: 30°  
SECTOR 2: 140°  
SECTOR 3: 260°

EL 0.00m  
GROUND LEVEL  
(RL 11.35m AHD)  
DESIGN LEVEL  
TOP OF EXISTING  
MONOPOLE FOOTING  
TOP OF ODU  
SUPPORT SLAB

OPTUS NR23/NR35 ADD

VODAFONE RAN REFRESH &amp; JV SITE UPGRADE

JB9759



### OPTUS 5G IDC DP & HYBRID TERMINATION SCOPE

INSTALL NEW OPTUS 18 WAY IDC DP PANELS (2 OFF) FOR RRU's AND AAU CONNECTIONS.

INSTALL NEW FIBRE CABLES BETWEEN BTS BAY AND MER FOR RRU AND AAU CONNECTIONS.

RELOCATE EXISTING FIBRE CABLES BETWEEN NEW BTS BAY AND MER FOR EXISTING TECHNOLOGIES.

### DC POWER SCOPE:

INSTALL NEW HUAWEI ETP48600 PSU CONSISTING OF 8 OFF 3kW RECTIFIERS AND 5 OFF STRINGS OF LEOCH PLH+C210FT BATTERIES FOR OPTUS.

### DC POWER SCOPE:

INSTALL NEW HUAWEI ETP48600 PSU CONSISTING OF 8 OFF 3kW RECTIFIERS AND 5 OFF STRINGS OF LEOCH PLH+C210FT BATTERIES FOR VODAFONE.

### BTS Hardware

#### VHA:

Swap Huawei BBUs with Nokia Airscale.  
Install Airscale SM with 1xASIB and 2xABIL for 5G.  
Install Airscale SM with 1xASIB and 3xABIA on left and 1xASIB and 2xABIA on right for 3G & 4G techs.

### NOTES:

- FOR ODU HOLD DOWN, PROVIDED M16 STAINLESS STEEL THREADED ROD WITH 125 EMBEDMENT INTO CONCRETE WITH HILTI HIT HY150 INJECTION MORTAR.
- DIMENSIONS SHOWN ARE CENTRELINE OF ODU HOLD DOWN BOLTS.

### OPTUS 4G + 5G BTS SCOPE:

INSTALL NEW OPTUS ERICSON BBU6630 (2 OFF) FOR 4G and (2 OFF) FOR 5G.

ODU SUPPORT SLAB. REFER DRAWING 440131-S1 & 440131-S2 FOR SETOUT INFORMATION AND DETAILS

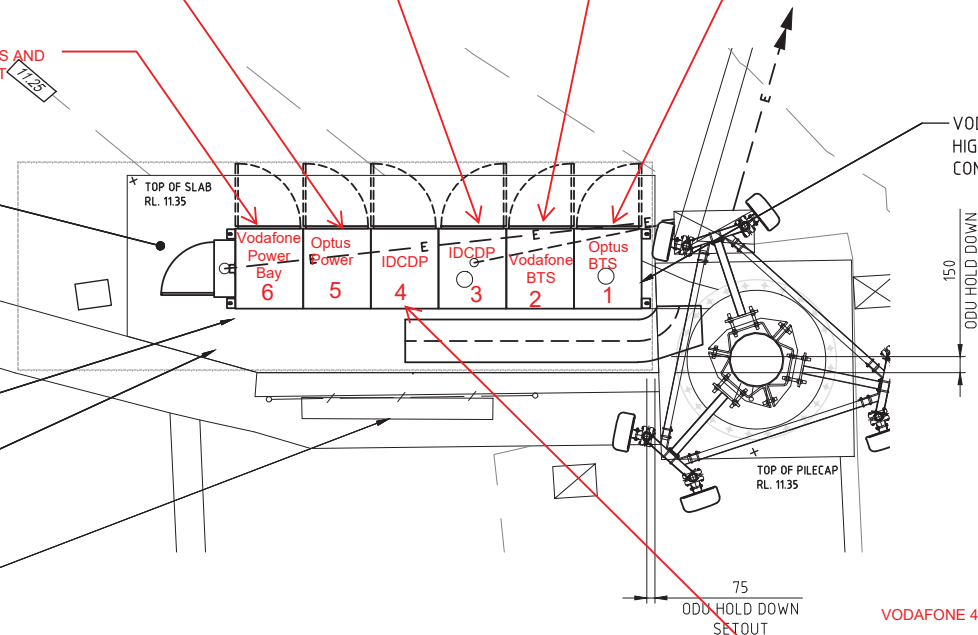
GENERATOR RECEPTACLE INSTALLED BELOW THE ELECTRICAL CABINET. REFER DRAWING 440131-E1 FOR DETAILS

VODAFONE ELECTRICAL CABINET MOUNTED ON THE VODAFONE 6 BAY ODU. DISTRIBUTION BOARD INSTALLED INSIDE. (REFER DRAWING 440131-E0 & 440131-E1 FOR DETAILS

EXISTING LIGHT TOWER DISTRIBUTION BOX

## Proposed EQUIPMENT AREA LAYOUT

SCALE 1:50



VODAFONE 6 BAY EQUIPMENT ODU ON 200 HIGH STEEL BASE PLINTHS (2 OFF) FIXED TO CONCRETE SUPPORT SLAB

### VODAFONE 4G + 5G IDC DP & HYBRID TERMINATION SCOPE:

INSTALL NEW VODAFONE HYBRID TERMINATION PANELS (3 OFF) FOR RRU AND AAU CONNECTIONS.

INSTALL NEW VODAFONE 18 WAY IDC DP PANELS (2 OFF) (1x DBM0057 FOR 3G/4G L7/L85/U9/L18/UL21, 1x DBM0063 FOR 5G AAU).

INSTALL NEW FIBRE CABLES BETWEEN BTS BAY AND MER FOR RRU AND AAU CONNECTIONS.

### AC POWER SUPPLY:

EXISTING AC SUPPLY 32A 3PHASE VODAFONE. NEED TO UPGRADE 80A 3 P.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2022/1340

Date: 7/12/2022



OPTUS NR23/NR35 ADD

VODAFONE RAN REFRESH eJV SITE UPGRADE

JOINT VENTURE NO: JB9759

TITLE  
EQUIPMENT AREA LAYOUT

FOR APPROVAL

DRAWING No:  
440131 - F1

REV  
AB

CYIENT



VODAFONE SITE 440131

SHOWGROUNDS

RNA EXHIBITION GROUNDS

GREGORY TERRACE, SOUTH SIDE OF SHOWERING, BOWEN HILLS, QLD 4006

eJV PROJECT

| REV | DATE     | REVISION DESCRIPTION        | VENDOR | DRAWN | DESIGNED | APPROD |
|-----|----------|-----------------------------|--------|-------|----------|--------|
| AB  | 02.12.16 | AS BUILT (eJV PROJECT)      |        |       |          |        |
| 02  | 02.06.16 | ISSUED FOR CONSTRUCTION     | SSMC   | SH    | RG       | CT     |
| 01  | 21.04.16 | ISSUED FOR CONSTRUCTION     | -      | JWM   | -        | -      |
| A   | 02.12.15 | ISSUED NOT FOR CONSTRUCTION | -      | JWM   | -        | -      |



|     |          |                             |                                                                                                                       |       |          |        |                                                                                      |  |  |  |                                                                                                                                                                                                                           |  |  |  |             |  |  |  |                                                   |  |  |  |                            |  |  |  |
|-----|----------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------|-------|----------|--------|--------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-------------|--|--|--|---------------------------------------------------|--|--|--|----------------------------|--|--|--|
|     |          |                             | PLANS AND DOCUMENTS<br>referred to in the PBA<br>DEVELOPMENT APPROVAL<br>Approval no: DEV2022/1340<br>Date: 7/12/2022 |       |          |        |   |  |  |  |                                                                                                                                                                                                                           |  |  |  |             |  |  |  | JOINT VENTURE NO: JB9759                          |  |  |  |                            |  |  |  |
| AB  | 02.12.16 | AS BUILT (eJV PROJECT)      | SSMC                                                                                                                  | SH    | RG       | CT     |  |  |  |  | <br>VODAFONE SITE 440131<br>SHOWGROUNDS<br>RNA EXHIBITION GROUNDS<br>GREGORY TERRACE, SOUTH SIDE OF SHOWERING, BOWEN HILLS, QLD 4006 |  |  |  | eJV PROJECT |  |  |  | TITTLE F<br>PROPOSED EWP/Crane SET UP<br>LOCATION |  |  |  |                            |  |  |  |
| 02  | 02.06.16 | ISSUED FOR CONSTRUCTION     | -                                                                                                                     | JWM   | -        | -      |                                                                                      |  |  |  |                                                                                                                                                                                                                           |  |  |  |             |  |  |  | FOR APPROVAL                                      |  |  |  | DRAWING No.<br>440131 - F1 |  |  |  |
| 01  | 21.04.16 | ISSUED FOR CONSTRUCTION     | -                                                                                                                     | JWM   | -        | -      |                                                                                      |  |  |  |                                                                                                                                                                                                                           |  |  |  |             |  |  |  | REV                                               |  |  |  | AB                         |  |  |  |
| A   | 02.12.15 | ISSUED NOT FOR CONSTRUCTION | -                                                                                                                     | JWM   | -        | -      |                                                                                      |  |  |  |                                                                                                                                                                                                                           |  |  |  |             |  |  |  |                                                   |  |  |  |                            |  |  |  |
| REV | DATE     | REVISION DESCRIPTION        | VENDOR                                                                                                                | DRAWN | DESIGNED | APPROD |                                                                                      |  |  |  |                                                                                                                                                                                                                           |  |  |  |             |  |  |  |                                                   |  |  |  |                            |  |  |  |