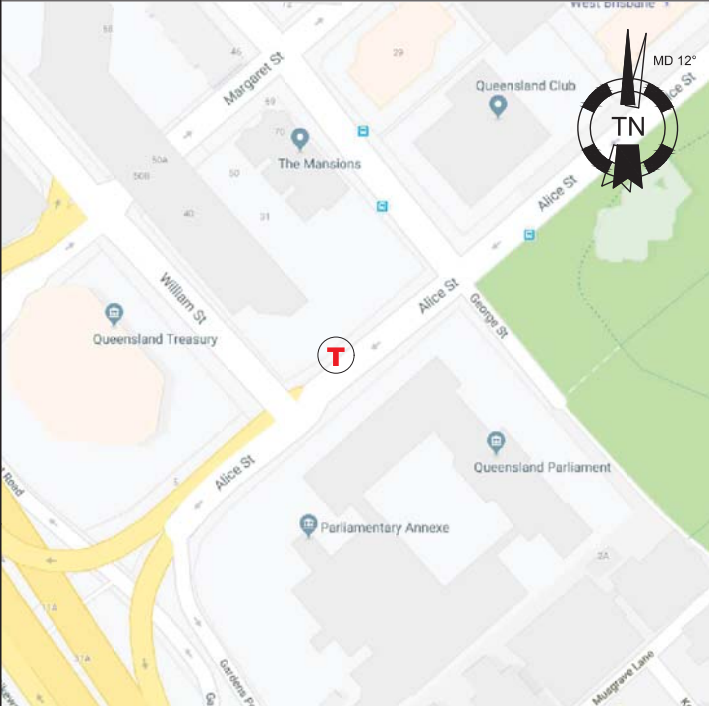


SITE ACCESS DETAILS: 1. SITE ADDRESS ROAD VERGE, 30 ALICE STREET BRISBANE CITY QLD 4000 2. SITE ACCESS IS VIA; (TICK ALL APPLICABLE) ROAD BUILDING PUBLIC CARRIAGEWAY / FOOTPATH ☐ ☐ ☒		CONSTRUCTION REQUIREMENTS: 1. STRUCTURAL ELEMENTS ARE IN ACCORDANCE WITH AS/NZS 1170 AND AS 4100. 2. SAFETY IN DESIGN IMPLEMENTED IN ACCORDANCE WITH THE WHS ACT 2011. 3. ALL ELECTRICAL DESIGN AND CONSTRUCTION IN ACCORDANCE WITH AS 3000 AND AS3015. 4. DILAPIDATION REPORT SHALL BE COMPLETED PRIOR TO COMMENCEMENT OF WORKS. 5. DBYD AND LOCAL SERVICES SEARCH MUST BE CONDUCTED PRIOR TO COMMENCEMENT OF WORKS. 6. ALL INSTALLATION AND CONSTRUCTION SHALL BE COMPLETED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH AUSTRALIAN STANDARDS, RELEVANT INDUSTRY CODES (U.N.O.), AND RELEVANT STATUTORY AUTHORITIES' REQUIREMENTS. 7. ON COMPLETION OF WORKS MAKE GOOD.		 SITE COORDINATES: COPYRIGHT © GOOGLE MAPS <table><tr><td>SOURCE:</td><td>SURVEY</td><td>LATITUDE:</td><td>-27.47505</td></tr><tr><td>DATUM:</td><td>MGA (GDA94)</td><td>LONGITUDE:</td><td>153.02677</td></tr><tr><td>ZONE:</td><td>56</td><td>EASTING:</td><td>502 645</td></tr><tr><td>REF LOCATION:</td><td>CL OF POLE</td><td>NORTHING:</td><td>6 960 947</td></tr></table> WGS84 DATUM (USED BY GOOGLE EARTH® AND GPS DEVICES) CAN BE CONSIDERED SAME AS GDA94 (SOURCE: "GEOCENTRIC DATUM OF AUSTRALIA TECHNICAL MANUAL" VERSION 2.3) POLE INFO: 1. POLE ID: 19586 2. POLE MATERIAL: STEEL PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL Approval no: DEV2018/978 Date: 15 March 2019 		SOURCE:	SURVEY	LATITUDE:	-27.47505	DATUM:	MGA (GDA94)	LONGITUDE:	153.02677	ZONE:	56	EASTING:	502 645	REF LOCATION:	CL OF POLE	NORTHING:	6 960 947
SOURCE:	SURVEY	LATITUDE:	-27.47505																		
DATUM:	MGA (GDA94)	LONGITUDE:	153.02677																		
ZONE:	56	EASTING:	502 645																		
REF LOCATION:	CL OF POLE	NORTHING:	6 960 947																		
SITE CONTACT DETAILS: 1. ENERGEX POLES OWNED BY ENERGEX.		SPECIAL REQUIREMENTS:		WHS REQUIREMENTS: 1. MANDATORY RISK ASSESSMENT SHALL BE CONDUCTED. 2. SITE SPECIFIC SWMS, RELEVANT INSURANCES AND PERMITS SHALL BE KEPT ON SITE DURING CONSTRUCTION/INSTALLATION. 3. SITE SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH PIPE NETWORKS CONSTRUCTION STANDARDS. 4. EME GENERATING EQUIPMENT ABOVE PERMITTED LIMITS SHALL BE DE-ENERGISED AND VERIFIED PRIOR TO COMMENCEMENT OF WORKS. 5. ELECTRICAL POWER SUPPLY SHALL BE DE-ENERGISED AND VERIFIED PRIOR TO WORK TAKING PLACE ON ELECTRICAL WORKS ASSOCIATED WITH THE SITE. 6. WORK IN "CONFINED SPACES" SHALL BE CONDUCTED ONLY BY SUITABLY ACCREDITED WORKERS. 7. WORKERS SHALL POSSESS WHITE CARD. ASBESTOS AWARENESS ACCREDITATION IN THE ACT. 8. ALL MACHINERY AND TOOLS SHALL BE OPERATED BY APPROPRIATELY TRAINED WORKERS ONLY. 9. WORKERS SHALL COMPLETE RELEVANT INDUCTIONS PRIOR TO COMMENCEMENT ON SITE. 10. MANDATORY PPE TO BE WORN SHALL BE SAFETY BOOTS, LONG SLEEVE SHIRTS AND LONG PANTS, HIGH VISIBILITY VEST. HARD HAT, PROTECTIVE GLOVES AND GLASSES. EAR PROTECTION AND DUST MASK MUST BE AVAILABLE ON SITE AND TO BE WORN AS SITE WORKS REQUIRE. 11. DUST CREATION SHALL BE PREVENTED.																	
SITE REQUIREMENTS: (TICK ALL APPLICABLE) LAAN APPLICATION FOR CONNECTION NETWORK AUGMENTATION ROL TCP TRAFFIC DIVERSION TRAFFIC CONTROL PEDESTRIAN CONTROL EWP OTHER ☒ ☒ ☐ ☐ ☒ ☐ ☒ ☒ ☒ ☐		SITE: QLD20816 - ROAD VERGE, 30 ALICE STREET BRISBANE CITY QLD 4000		PROJECT ID: SMALL CELL NETWORK		DRAWING STATUS: CONSTRUCTION															
TITLE: INFORMATION SHEET		SITE NAME: BRISBANE CBD SC074		SCALE: NTS	DRAWN: FS	CHECK: RR	APPROVED: PM	DATE: 21.08.18	REVISION: A	DRAWING NUMBER: QLD20816-C1											

GENERAL:

1. ALL DIMENSIONS ARE IN MILLIMETERS U.N.O.
2. ALL LEVELS ARE EXPRESSED IN METRES TO AUSTRALIAN HEIGHT DATUM (AHD).
3. ANTENNA AZIMUTHS ARE SHOWN IN DEGREES REFERENCED TO TRUE NORTH (TN).
4. DRAWINGS TO BE READ IN CONJUNCTION WITH;
 - ELECTRICAL DESIGN AND IN ACCORDANCE WITH AS3000:2017, AND AS3015:2004
 - EQUIPMENT INSTALLATION GUIDE.
5. ALL SITE INFORMATION TO BE VERIFIED PRIOR TO COMMENCEMENT OF SITE WORKS.
6. ALL EQUIPMENT TO BE INSTALLED IN ACCORDANCE WITH SUPPLIER'S RECOMMENDATIONS.

STRUCTURAL/ MECHANICAL:

1. MATERIAL AND WORKMANSHIP IN ACCORDANCE WITH AS 4100 AND AS/NZS 3678.
2. ALL PREFABRICATED STEELWORK SHALL BE H.D. GALVANISED TO AS 4680.
3. ALL WELDS SHALL BE CONTINUOUS FILLET WELDS U.N.O. TO APPROVED NEOPRENE OR EQUIVALENT WASHERS, AND COLLARS AT DISSIMILAR METALS INTERFACES.
4. STRUCTURAL BOLTS SHALL BE HT CLASS 8.8 TO AS/NZS 1252.
5. ALL BOLTS, NUTS AND WASHERS SHALL BE H.D. GALVANISED.
6. MEMBERS CUT AND/OR DRILLED AFTER BEING H.D. GALVANISED SHALL BE COATED WITH COLD GAL OR EQUIVALENT.
7. ALL H.D. GALVANISING TO AS/NZS 4680

ELECTRICAL/ FIBRE:

1. FEEDERS FOR HOLLOW POLES TO BE INSTALLED INTERNAL TO POLES WHERE POSSIBLE AND REQUIRED.
2. CABLE ROUTE SHALL BE AS DIRECT AS POSSIBLE. MINIMUM BENDING RADIUS SHALL BE TO CABLE MANUFACTURER'S RECOMMENDATIONS.
3. CABLING INFORMATION;

MAINS	REFER TO ELECTRICAL DESIGN
SUBMAINS	REFER TO ELECTRICAL DESIGN
CONSUMER MAINS	REFER TO ELECTRICAL DESIGN
METERING	REFER TO ELECTRICAL DESIGN
EARTHING	REFER TO ELECTRICAL DESIGN
ELECTRICAL PITS	REFER TO ELECTRICAL DESIGN
LABELING - ELECTRICAL	REFER TO ELECTRICAL DESIGN
LABELING - FIBRE	REFER TO INSTALLATION GUIDE
LABELING - EQUIPMENT	REFER TO INSTALLATION GUIDE

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: **DEV2018/978**

Date: **15 March 2019**



SITE:
QLD20816 - ROAD VERGE, 30 ALICE
STREET BRISBANE CITY QLD 4000

TITLE:
CONSTRUCTION NOTES



PROJECT ID:
SMALL CELL NETWORK

SITE NAME:
BRISBANE CBD SC074

DRAWING STATUS:
CONSTRUCTION



SCALE:	DRAWN:	CHECK:	APPROVED:	DATE:	REVISION:	DRAWING NUMBER:
NTS	FS	RR	PM	21.08.18	A	QLD20816-C2

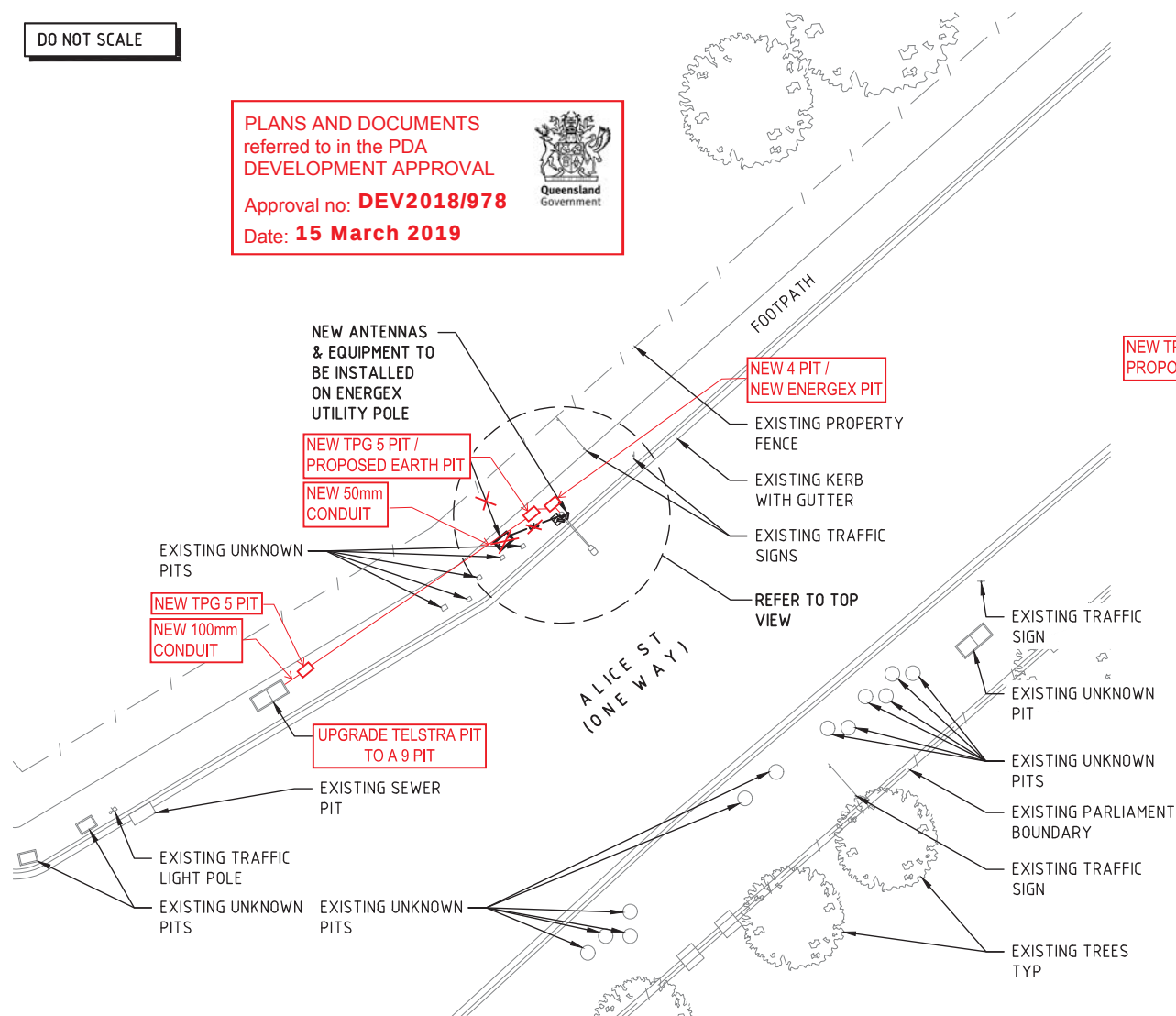
DO NOT SCALE

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

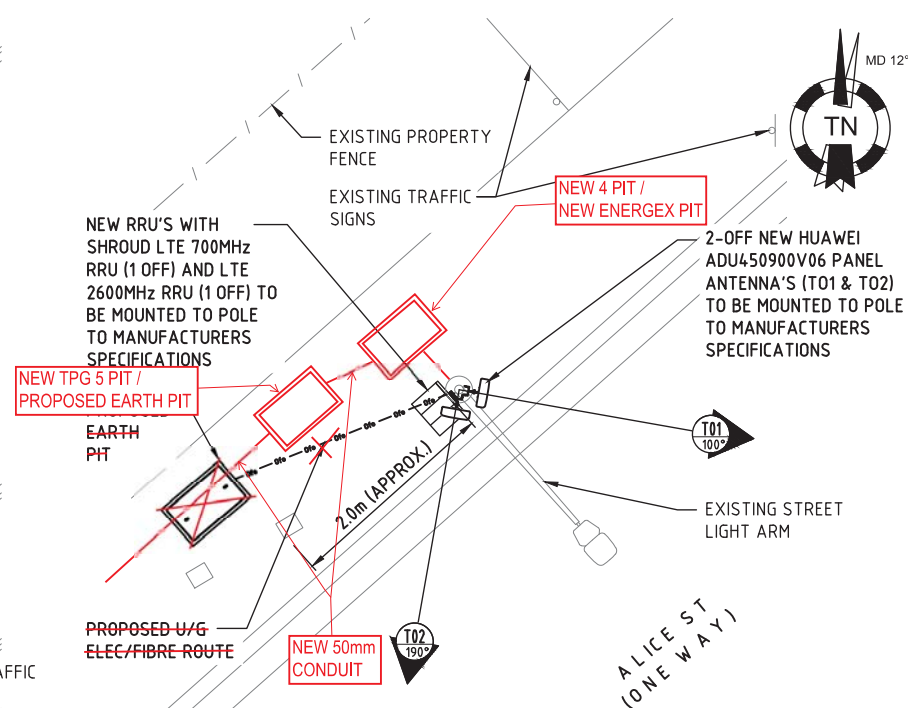
Approval no: **DEV2018/978**
Date: **15 March 2019**



Date: 15 March 2019



SCALE 1:200



SCALE 1:50

AC — AC — EXISTING AERIAL COMMS LINE
 AE — AE — EXISTING AERIAL POWER LINE
 Oe — Oe — PIPE NETWORKS UNDERGROUND ELECTRICAL
 Ofc — Ofc — PIPE NETWORKS FIBRE LINK
 E — E — PIPE NETWORKS ELECTRICAL

1. REFER TO QLD20816-C4 FOR ANTENNA CONFIGURATION TABLE AND ELEVATION DETAILS.
2. REFER TO QLD20816-C1 FOR SITE INFORMATION NOTES.
3. REFER TO QLD20816-C2 FOR CONSTRUCTION NOTES.

SITE:
QLD20816 - ROAD VERGE, 30 ALICE
STREET BRISBANE CITY QLD 4000

TITLE:

PLAN VIEWS



PROJECT ID: **SMALL CELL NETWORK**

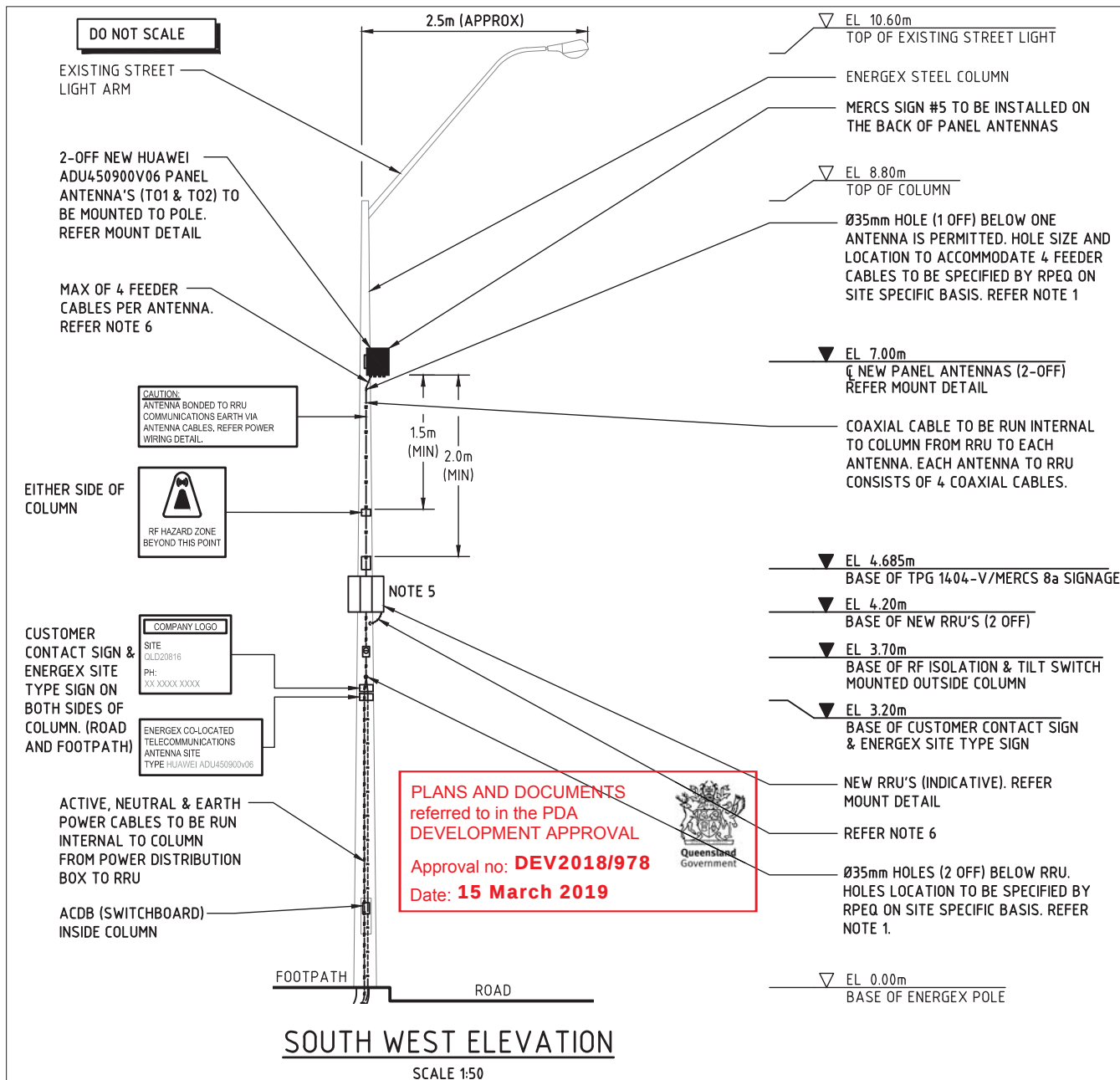
SITE NAME: BRISBANE CBD SC074

DRAWING STATUS:

CONSTRUCTION

SCALE:	DRAWN:	CHECK:	APPROVED:
AS SHOWN	FS	RR	PM





NOTES:

1. DRILLED AREA TO BE GALVANISED AS PER COLUMN MANUFACTURERS GALVANIZING REPAIR PROCEDURE. HOLES TO BE SEALED TO PREVENT MOISTURE INGRESS.
2. EARTH STAKE TO BE COPPED CLAD STEEL. MINIMUM 1.4m LONG & MINIMUM 12mm DIAMETER AND INSTALLED TO A DEPTH OF 1.2m.
3. PVC DIVIDER TO BE PROVIDED IN PIT TO PROVIDE SEPARATION BETWEEN FIBRE OPTIC CABLE AND EARTH STAKE.
4. THE DRAWINGS REQUIREMENTS COMPLYING TO AS STANDARDS AND INDUSTRY CODE OF PRACTICE.
5. RRUs AND POWER MODULE TO BE MOUNTED PARALLEL TO ROAD AWAY FROM TRAFFIC.
6. EXPOSED PART OF THE CABLES TO BE ENCLOSED IN CORRUGATED CONDUIT
7. RRU MOUNTS AND BRACKET TO BE ELECTRICALLY ISOLATED FOR EARTHING PURPOSES FROM THE LIGHT POLE USING INSULATED MATERIALS.

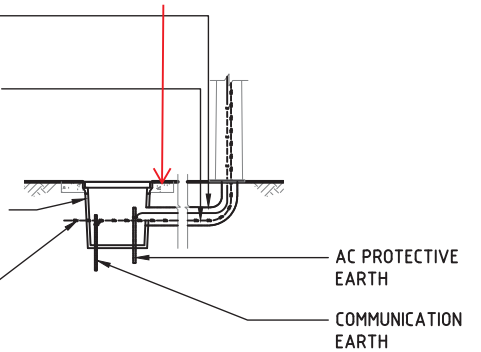
PROPOSED UNDERGROUND CONDUITS ARE REQUIRED.

FIBRE LINK TO CARRIERS NETWORK TO BE RUN INTERNAL TO COLUMN FROM BASE OF COLUMN TO RRU

PVC EARTH PIT WITH CONCRETE LID EARTH STAKE MIN 2m FROM BASE OF COLUMN (REFER NOTES 2 & 3)

TO NEXT COMMUNICATION EARTH AS NECESSARY

NEW ENERGEX PIT



PIT TO POLE DETAIL

N.T.S.

ANTENNA	OPERATOR SECTOR IDENTITY N° (SAO) STATUS AZIMUTH (° TN) AZIMUTH (° MN) EL CL HEIGHT (M) MECHANICAL TILT CO-ORDINATES (°) MAKE & MODEL DIMENSIONS (H x W x D) (MM) PORTS PORT USER FREQUENCY BANDS (MHz)	PIPE NETWORKS		PIPE NETWORKS	
		1	2	1	2
ANCILLARIES	RRU / RF MODULE (700 MHz)	HUAWEI ADU45090V06	HUAWEI ADU45090V06	HUAWEI RRU5301 L700	HUAWEI RRU5301 L700
	RRU / RF MODULE (2600 MHz)	HUAWEI ADU45090V06	HUAWEI ADU45090V06	HUAWEI RRU5301 L2600	HUAWEI RRU5301 L2600
	POWER MODULE	HUAWEI OPM30M	HUAWEI OPM30M	HUAWEI OPM30M	HUAWEI OPM30M
	BASE OF RRU HEIGHT	4.20m	4.20m	4.20m	4.20m
	SECTOR POWER (dBm)	47	46	47	46
	MHA	-	-	-	-
	COMBINER/DUPLEXER	-	-	-	-
	STATUS	NEW	NEW	NEW	NEW
	TECHNOLOGIES	-	-	-	-
	QUANTITY	4	4	4	4
	DESIGNATION (SIZE)	1/2"	1/2"	1/2"	1/2"
	ESTIMATED LENGTH (M)	4	4	4	4
	COAXIAL FEEDERS	NEW	NEW	NEW	NEW
	STATUS	NEW	NEW	NEW	NEW

SITE:	QLD20816 - ROAD VERGE, 30 ALICE STREET BRISBANE CITY QLD 4000
TITLE:	SITE ELEVATIONS



PROJECT ID:	SMALL CELL NETWORK
SITE NAME:	BRISBANE CBD SC074

DRAWING STATUS:	CONSTRUCTION
SCALE:	AS SHOWN
DRAWN:	FS
CHECK:	RR
APPROVED:	PM
DATE:	21.08.18
REVISION:	A
DRAWING NUMBER:	QLD20816-C4





Azimuth: 60° (NE)
Note: QLD20816
Powered by AngleCam

CONSTRUCTION ACCESS

NTS



Azimuth: 226° (SW)
Note: QLD20816
Powered by AngleCam

NORTH EAST ELEVATION

NTS



Azimuth: 145° (SE)
Note: QLD20816
Powered by AngleCam

NORTH WEST ELEVATION

NTS



Azimuth: 320° (NW)
Note: QLD20816
Powered by AngleCam

SOUTH EAST ELEVATION

NTS



Azimuth: 60° (NE)
Note: QLD20816
Powered by AngleCam

SOUTH WEST ELEVATION

NTS



Azimuth: 58° (NE)
Note: QLD20816
Powered by AngleCam

PIT PHOTO: 1

NTS



Azimuth: 58° (NE)
Note: QLD20816
Powered by AngleCam

PIT PHOTO: 2

NTS



Azimuth: 58° (NE)
Note: QLD20816
Powered by AngleCam

PIT PHOTO: 3

NTS

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL
Approval no: **DEV2018/978**
Date: **15 March 2019**



SITE:	QLD20816 - ROAD VERGE, 30 ALICE STREET BRISBANE CITY QLD 4000
TITLE:	SITE PHOTOGRAPHS - EXTERNAL SHEET 1 OF 1



PROJECT ID: SMALL CELL NETWORK		DRAWING STATUS: CONSTRUCTION						
SITE NAME: BRISBANE CBD SC074		SCALE: NTS	DRAWN: FS	CHECK: RR	APPROVED: PM	DATE: 21.08.18	REVISION: A	DRAWING NUMBER: QLD20816-C6