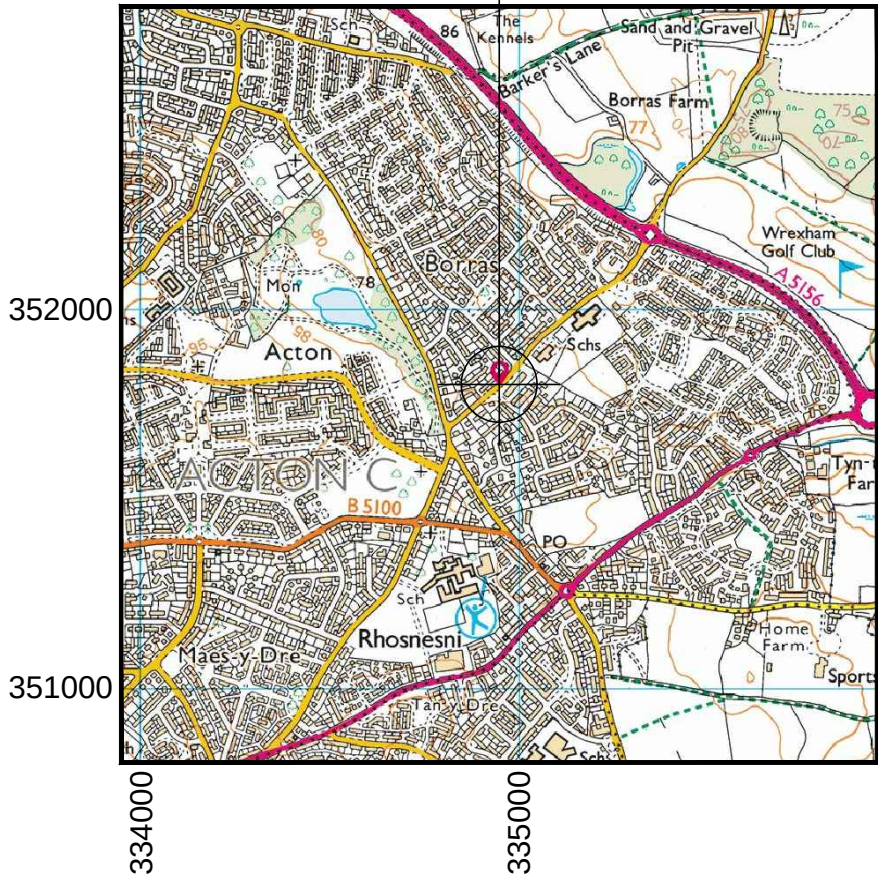




SITE LOCATION



GENERAL LOCATION PLAN

Ordnance Survey map extract

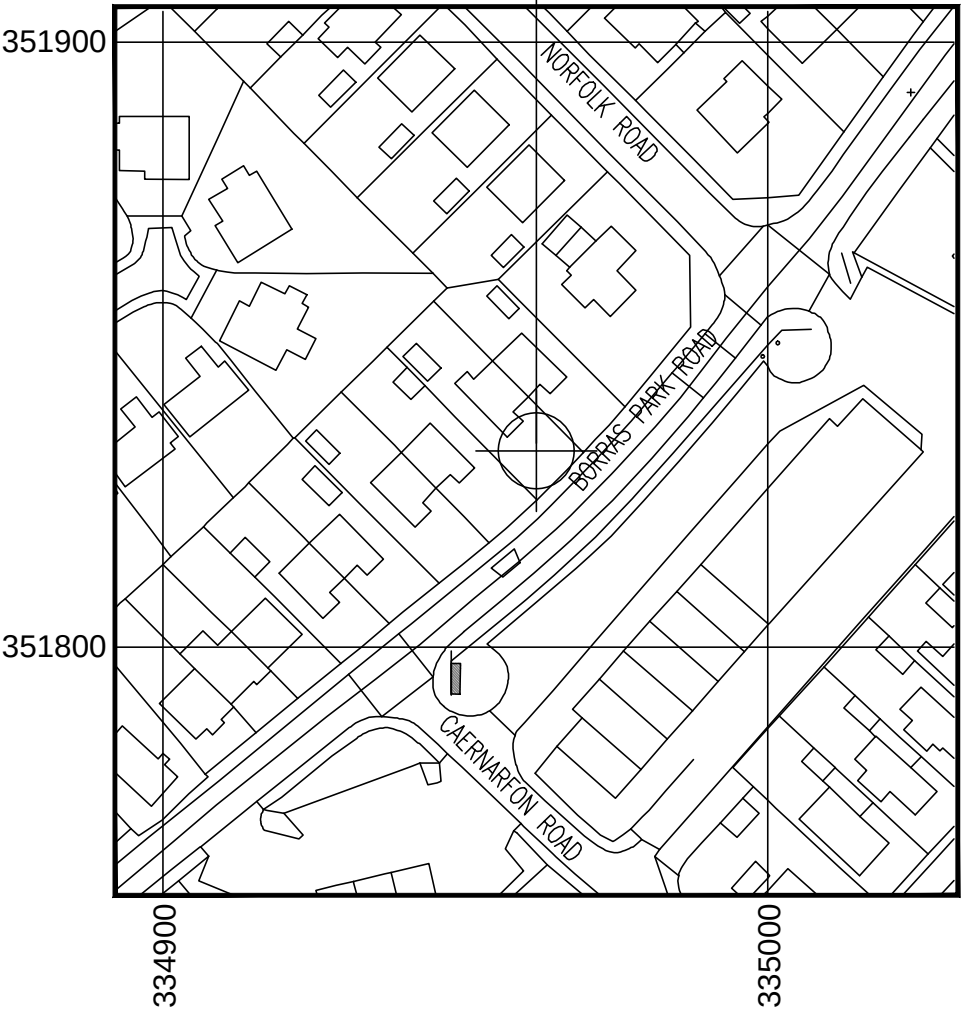
Grid Reference SJ3495051790

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SITE LOCATION
(E:334950, N:351790)



SITE LOCATION PLAN

Ordnance Survey map extract

Grid Reference SJ3495051790

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- NOTES:**
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 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED
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 4. DUCT ROUTES ARE SHOWN INDICATIVELY, ACTUAL ROUTES TO BE DETERMINED ON SITE
 5. ALL DISCREPANCIES TO BE REPORTED TO THE DESIGN ENGINEER

A2	KOMODO RELOCATED	26/09/16	JAP	SV
A1	DESIGN UPGRADE	18/08/16	JAP	SV
Issue	Comment	Date	Drawn	Approved



UNIT E3 PITTS CLEAVE INDUSTRIAL ESTATE, TAVISTOCK, DEVON, PL19 0PW
sales@beaconcomms.co.uk Tel: +44 (0)1822 610610

Site Name & Address:
LP CAERNARRON... BORRAS PARK
CORNER OF CAERNARRON ROAD
AND BORRAS PARK ROAD
BORRAS, WREXHAM
CONWY
LL12 7TE

Title:
SITE LOCATION

Purpose of Issue:
UPGRADE OF EXISTING SITE

Drawing No:
**WRX046_LP CAERNARRON...
BORRAS PARK_11848_001**

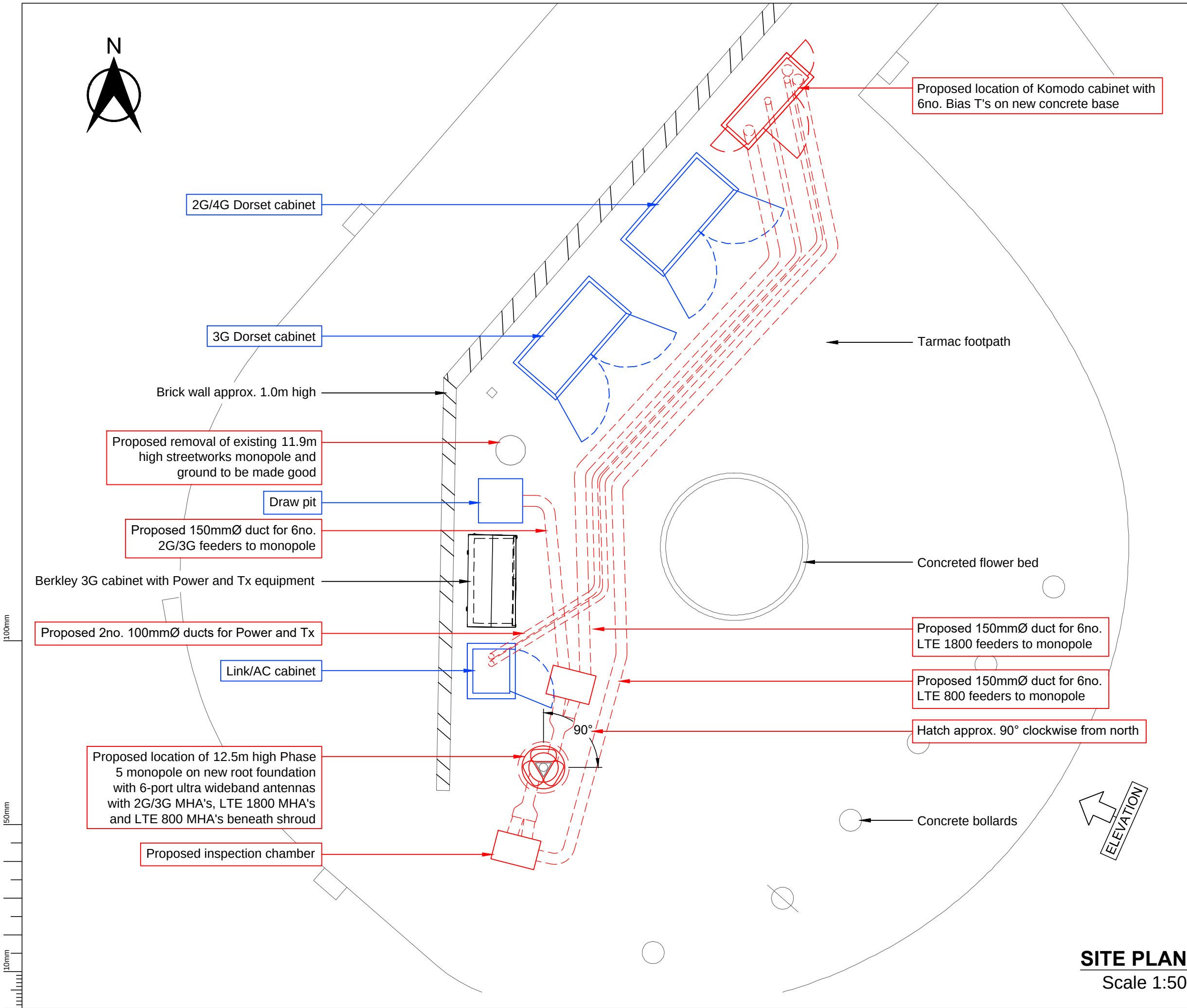
Host Cell ID: 11848	MBNL Cell ID: WRX046
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Issue: A2	Scale at A3: AS SHOWN	Checked: RS	Date: 18/08/16
Drawn: JAP	Date: 18/08/16	Approved: SV	Date: 18/08/16

Beacon ref: 35357

DEPENDENCY

Asbestos	N/A
Building Regulations	N/A
Fixit Form	N/A
Global Design Check	N/A
ICNIRP Conformity	Complies to GSD008 Without Control
Underground Services	N/A
Structural Check	N/A
Cooling Check	Existing cooling system is sufficient for upgrade



- NOTES:**
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KEY

INDICATES PROPOSED H3G LTE EQUIPMENT

INDICATES PROPOSED 2G/3G EQUIPMENT

WORKS DETAIL:	
CABINET	KOMODO - 1230W x 400D x 1542H
ANTENNAS	PRE-RIGGED: 6-PORT ULTRA WIDEBAND
MHA'S	PRE-RIGGED: 2G/3G & LTE1800 & LTE800
POWER	AC + BREAKER, SPARE WAYS / EF2i + RECTIFIER
COOLING	N/A (OUTDOOR CABINET)
OTHER	REMOVE EXISTING MONOPOLE AND MAKE GROUND GOOD / ERECT PROPOSED MONOPOLE ON NEW ROOT FOUNDATION / NEW FEEDERS / NEW DUCTING / NEW CONCRETE BASE / BIAS TEES

A2	KOMODO RELOCATED	26/09/16	JAP	SV
A1	DESIGN UPGRADE	18/08/16	JAP	SV
Issue	Comment	Date	Drawn	Approved



Site Name & Address:

LP CAERNARRON... BORRAS PARK
CORNER OF CAERNARRON ROAD
AND BORRAS PARK ROAD
BORRAS, WREXHAM
CONWY
LL12 7TE

Title:

SITE LAYOUT

Purpose of Issue:

UPGRADE OF EXISTING SITE

Drawing No:

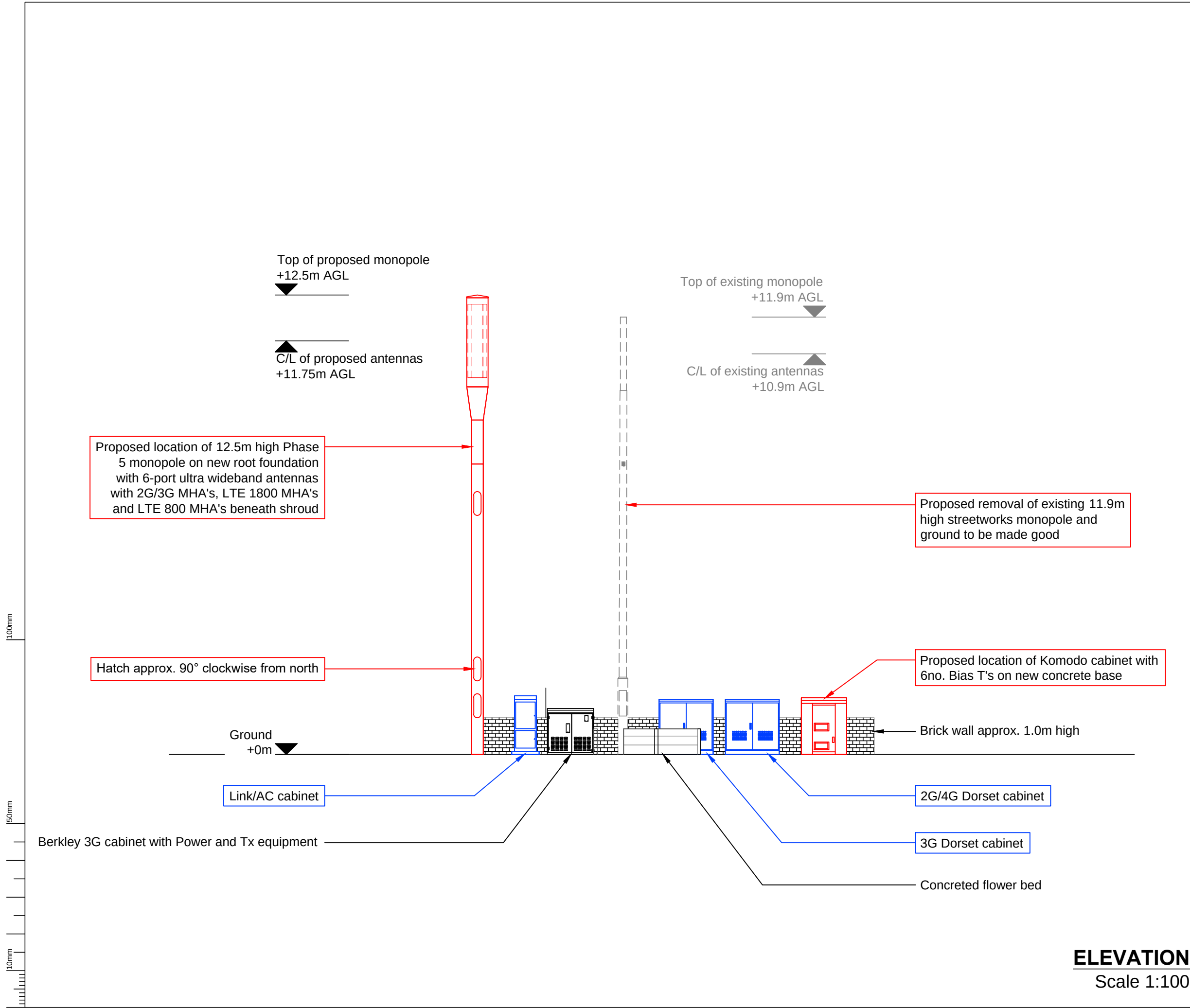
WRX046_LP CAERNARRON...
BORRAS PARK_11848_002

Host Cell ID:	11848	MBNL Cell ID:	WRX046
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Issue:	Scale at A3:	Checked:	Date:
A2	AS SHOWN	RS	18/08/16
Drawn:	Date:	Approved:	Date:
JAP	18/08/16	SV	18/08/16

35357

Beacon ref:



- NOTES:**
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KEY

INDICATES PROPOSED H3G LTE EQUIPMENT

INDICATES PROPOSED 2G/3G EQUIPMENT

WORKS DETAIL:

CABINET	KOMODO - 1230W x 400D x 1542H
ANTENNAS	PRE-RIGGED: 6-PORT ULTRA WIDEBAND
MHA'S	PRE-RIGGED: 2G/3G & LTE1800 & LTE800
POWER	AC + BREAKER, SPARE WAYS / EF2i + RECTIFIER
COOLING	N/A (OUTDOOR CABINET)
OTHER	REMOVE EXISTING MONOPOLE AND MAKE GROUND GOOD / ERECT PROPOSED MONOPOLE ON NEW ROOT FOUNDATION / NEW FEEDERS / NEW DUCTING / NEW CONCRETE BASE / BIAS TEES

A2	KOMODO RELOCATED	26/09/16	JAP	SV
A1	DESIGN UPGRADE	18/08/16	JAP	SV
Issue	Comment	Date	Drawn	Approved



Site Name & Address:

LP CAERNARRON... BORRAS PARK
CORNER OF CAERNARRON ROAD
AND BORRAS PARK ROAD
BORRAS, WREXHAM
CONWY
LL12 7TE

Title:

SITE ELEVATION

Purpose of Issue:

UPGRADE OF EXISTING SITE

Drawing No:

WRX046_LP CAERNARRON...
BORRAS PARK_11848_003

Host Cell ID:	11848	MBNL Cell ID:	WRX046
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Issue:	Scale at A3:	Checked:	Date:
A2	AS SHOWN	RS	18/08/16
Drawn:	Date:	Approved:	Date:
JAP	18/08/16	SV	18/08/16

35357

100mm

150mm

10mm

EXISTING ANTENNA TABLE

ANTENNA REF	BEARING (°)	MID ANTENNA HEIGHT (m)	OVERALL FEEDER LENGTH (m)	MAIN FEEDER TYPE	MHA	TECHNOLOGY	ANTENNA MANUFA-CTURER	MODEL NUMBER	RET
uA1	0	10.9	12.0	LDF 4-50	3G MHA	3G	Racal	Omni T3 L1.71	No
uB1	120	10.9	12.0	LDF 4-50	3G MHA	3G			No
uC1	240	10.9	12.0	LDF 4-50	3G MHA	3G			No
NOTE: ALL BEARINGS MEASURED EAST OF GRID NORTH FEEDER LENGTH SHOWN IS ONLY APPROXIMATE AND SHOULD BE CHECKED BY RIGGING CONTRACTOR PRIOR TO WORK COMMENCING									

INTERIM ANTENNA TABLE

ANTENNA REF	BEARING (°)	MID ANTENNA HEIGHT (m)	OVERALL FEEDER LENGTH (m)	MAIN FEEDER TYPE	MHA	TECHNOLOG Y	ANTENNA MANUFA- CTURER	MODEL NUMBER	RET
C1A1/uA1	0	10.9	12.0 / 14.0	LDF 4-50	2G/3G MHA	2G/3G/4G	Argus	NNOX310RV1	No
C2A1/uB1	120	10.9	12.0 / 14.0	LDF 4-50	2G/3G MHA	2G/3G/4G			No
C3A1/uC1	240	10.9	12.0 / 14.0	LDF 4-50	2G/3G MHA	2G/3G/4G			No
NOTE: ALL BEARINGS MEASURED EAST OF GRID NORTH FEEDER LENGTH SHOWN IS ONLY APPROXIMATE AND SHOULD BE CHECKED BY RIGGING CONTRACTOR PRIOR TO WORK COMMENCING									

PROPOSED ANTENNA TABLE

ANTENNA REF	BEARING (°)	MID ANTENNA HEIGHT (m)	OVERALL FEEDER LENGTH (m)	MAIN FEEDER TYPE	MHA	TECHNOLOG Y	ANTENNA MANUFA- CTURER	MODEL NUMBER	RET
C1A1/uA1	0	11.75	18.0 / 20.0	LDF 4-50	2G/3G MHA	2G/3G/4G	Huawei	ATR4518R4	Nokia 3G BTS
HeA1			23.0	LDF 4-50	1800 MHA	LTE 1800			Samsung 1800 SRU
HeA1			26.0	LDF 4-50	800 MHA	LTE 800			Samsung 800 SRU
C2A1/uB1	120	11.75	18.0 / 20.0	LDF 4-50	2G/3G MHA	2G/3G/4G	Huawei	ATR4518R4	Nokia 3G BTS
HeB1			23.0	LDF 4-50	1800 MHA	LTE 1800			Samsung 1800 SRU
HeB1			26.0	LDF 4-50	800 MHA	LTE 800			Samsung 800 SRU
C3A1/uC1	240	11.75	18.0 / 20.0	LDF 4-50	2G/3G MHA	2G/3G/4G	Huawei	ATR4518R4	Nokia 3G BTS
HeC1			23.0	LDF 4-50	1800 MHA	LTE 1800			Samsung 1800 SRU
HeC1			26.0	LDF 4-50	800 MHA	LTE 800			Samsung 800 SRU
NOTE: ALL BEARINGS MEASURED EAST OF GRID NORTH FEEDER LENGTH SHOWN IS ONLY APPROXIMATE AND SHOULD BE CHECKED BY RIGGING CONTRACTOR PRIOR TO WORK COMMENCING									

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KEY

INDICATES PROPOSED H3G LTE EQUIPMENT

INDICATES PROPOSED 2G/3G EQUIPMENT

A2	KOMODO RELOCATED	26/09/16	JAP	SV
A1	DESIGN UPGRADE	18/08/16	JAP	SV
Issue	Comment	Date	Drawn	Approved



Site Name & Address:

LP CAERNARRON... BORRAS PARK
CORNER OF CAERNARRON ROAD
AND BORRAS PARK ROAD
BORRAS, WREXHAM
CONWY
LL12 7TE

ANTENNA DETAILS

Purpose of Issue:

UPGRADE OF EXISTING SITE

Drawing No:

WRX046_LP CAERNARRON...
BORRAS PARK_11848_004

Host Cell ID:		MBNL Cell ID:		35357 Beacon ref.
11848		WRX046		
Issue:	Scale at A3:	Checked:	Date:	
A2	AS SHOWN	RS	18/08/16	
	Drawn:	Date:	Approved:	Date:
JAP	18/08/16	SV	18/08/16	

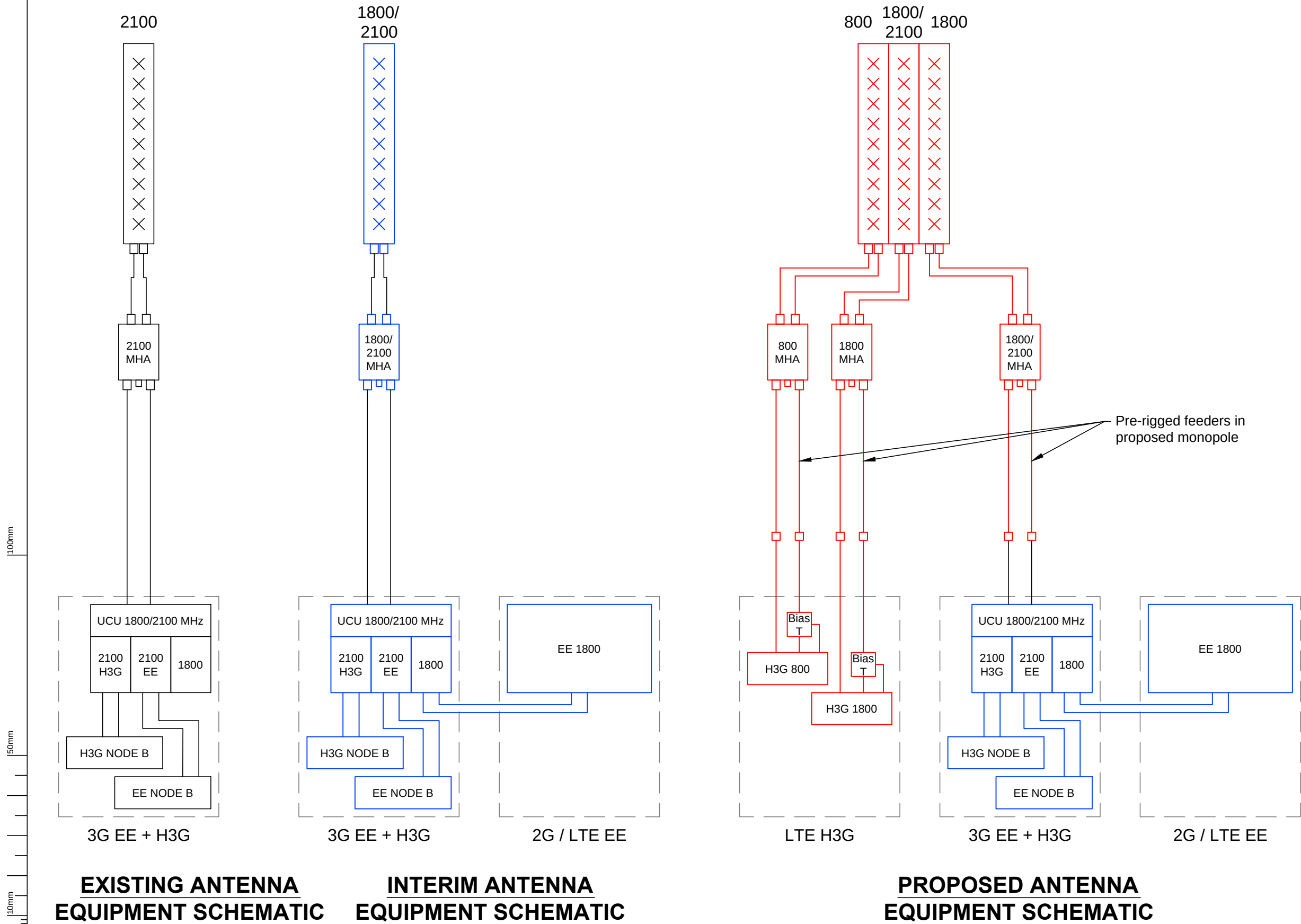
ANTENNA SCHEMATIC

- NOTES:
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KEY

INDICATES PROPOSED H3G LTE EQUIPMENT

INDICATES PROPOSED 2G/3G EQUIPMENT



A2	KOMODO RELOCATED	26/09/16	JAP	SV
A1	DESIGN UPGRADE	18/08/16	JAP	SV
Issue	Comment	Date	Drawn	Approved



BEACONCOMMS

UNIT E3 PITTS CLEAVE INDUSTRIAL ESTATE, TAVISTOCK, DEVON, PL19 0PW
sales@beaconcomms.co.uk Tel: +44 (0)1822 610610

Site Name & Address:

LP CAERNARRON... BORRAS PARK
CORNER OF CAERNARRON ROAD
AND BORRAS PARK ROAD
BORRAS, WREXHAM
CONWY
LL12 7TE

Title:

EQUIPMENT SCHEMATIC

Purpose of Issue:

UPGRADE OF EXISTING SITE

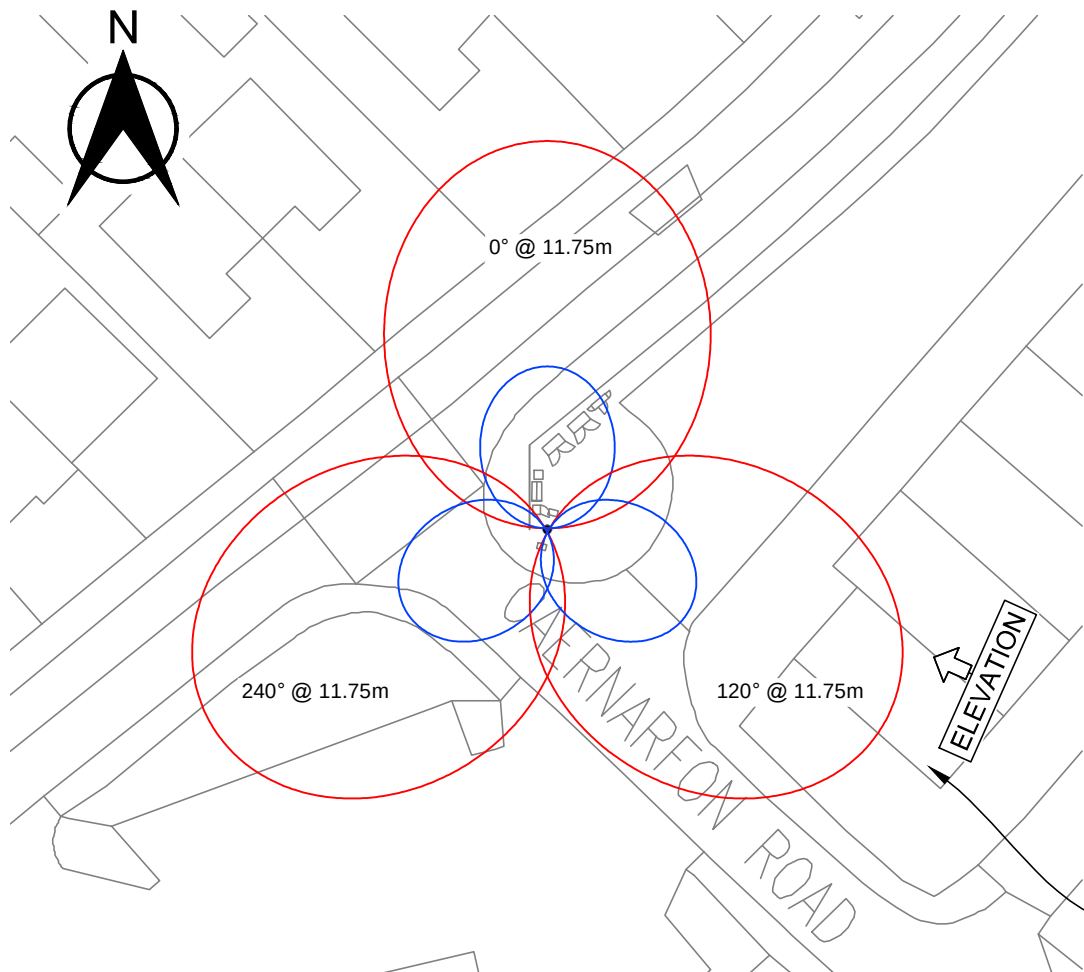
Drawing No:

WRX046_LP CAERNARRON...
BORRAS PARK_11848_005

Host Cell ID:	11848	MBNL Cell ID:	WRX046
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Issue:	Scale at A3:	Checked:	Date:
A2	AS SHOWN	RS	18/08/16
Drawn:	Date:	Approved:	Date:
JAP	18/08/16	SV	18/08/16

Beacon ref: 35357



MULTI OPERATOR

	800MHz	1800MHz	2100MHz	2600MHz
Watts	80	320	220	80

CornerStone Single Op
Max

Public Width	Public Length	Public Rear	Public H1	Public H2	Public H2L	Build Height
21.20	25.60	0.30	1.00	4.40	17.80	6.40 / (8.40)

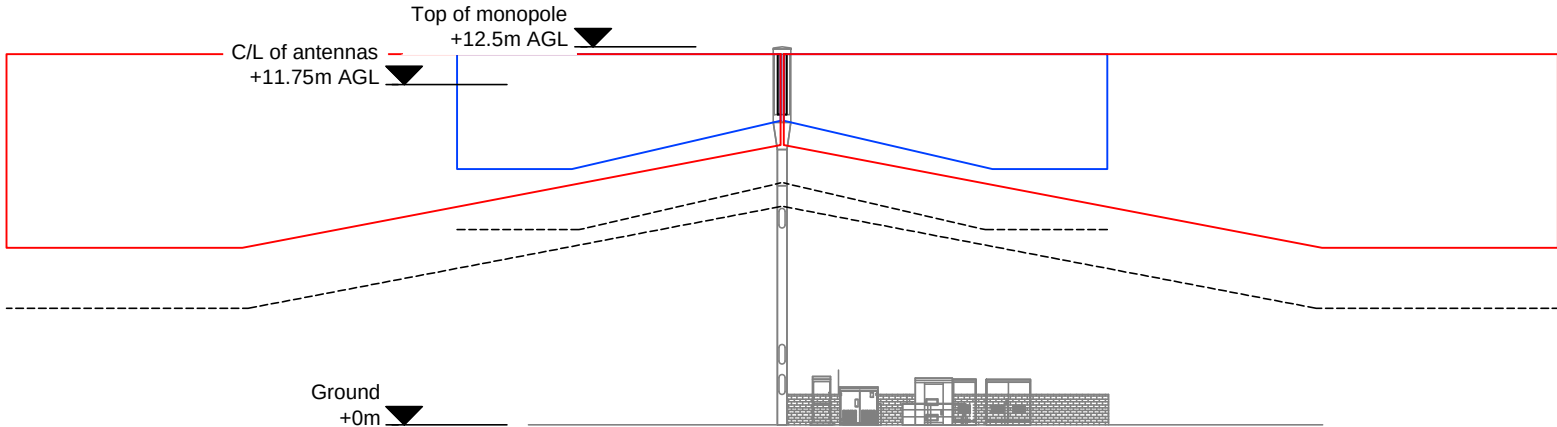
Occup Width	Occup Length
8.90	10.70

Occup H1	Occup H2	Occup H2L	Build Height
0.20	1.80	6.90	3.80 / (5.80)

Site conforms with ICNIRP Public / Occupational exposure guidelines

Single storey buildings below ICNIRP range

SIT PLAN
Scale 1:500



SIT ELEVATION
Scale 1:250

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ICNIRP CONFLICT ZONES (IN ACCORDANCE WITH MBNL ICNIRP COMPLIANCE CERTIFICATION DOCUMENT GSDD008 V6.0):



= OCCUPATIONAL



= PUBLIC

OPERATORS: EE/H3G

A2	KOMODO RELOCATED	26/09/16	JAP	SV
A1	DESIGN UPGRADE	18/08/16	JAP	SV
Issue	Comment	Date	Drawn	Approved



Site Name & Address:
LP CAERNARRON... BORRAS PARK
CORNER OF CAERNARRON ROAD
AND BORRAS PARK ROAD
BORRAS, WREXHAM
CONWY
LL12 7TE

Title:
ICNIRP DETAILS

Purpose of Issue:
UPGRADE OF EXISTING SITE

Drawing No:
**WRX046_LP CAERNARRON...
BORRAS PARK_11848_006**

Host Cell ID:	MBNL Cell ID:
11848	WRX046

Issue:	Scale at A3:	Checked:	Date:
A2	AS SHOWN	RS	18/08/16
Drawn:	Date:	Approved:	Date:
JAP	18/08/16	SV	18/08/16

35357

Beacon ref: