

EXISTING EQUIPMENT

CABINET DETAILS:

BTS 3900A (STACKED) ON 200 PLINTH ON RBS ROOT FOUNDATION
 DIMENSIONS: 600x480x1600 HIGH
 MATERIAL: STEEL
 COLOUR: GREY

FLEXI UNITS & UCU'S WITHIN FREDO ENCLOSURE ON ROOT (GSM/UMTS)
 DIMENSIONS: 900x800x1240 HIGH
 MATERIAL: STEEL
 COLOUR: GREEN

MK4 LINK/AC CABINET ON ROOT
 DIMENSIONS: 600x500x1560 HIGH
 MATERIAL: STEEL
 COLOUR: GREY

METER CABINET
 DIMENSIONS: 300x160x1100 HIGH
 MATERIAL: STEEL
 COLOUR: GREEN

TYPE 1 DIPLEXOR BOX ON CONCRETE PLINTH
 DIMENSIONS: 600x500x1320 HIGH
 MATERIAL: STEEL
 COLOUR: GREEN

TOWER DETAILS:
 15m PHASE 2 SW TOWER ON ROOT FOUNDATION
 TOWER REF: 15/SW/TS/3/L
 TOWER COLOUR: GREEN (RAL 6009)
 HEADFRAME SHROUD COLOUR: GREY

PROPOSED EQUIPMENT

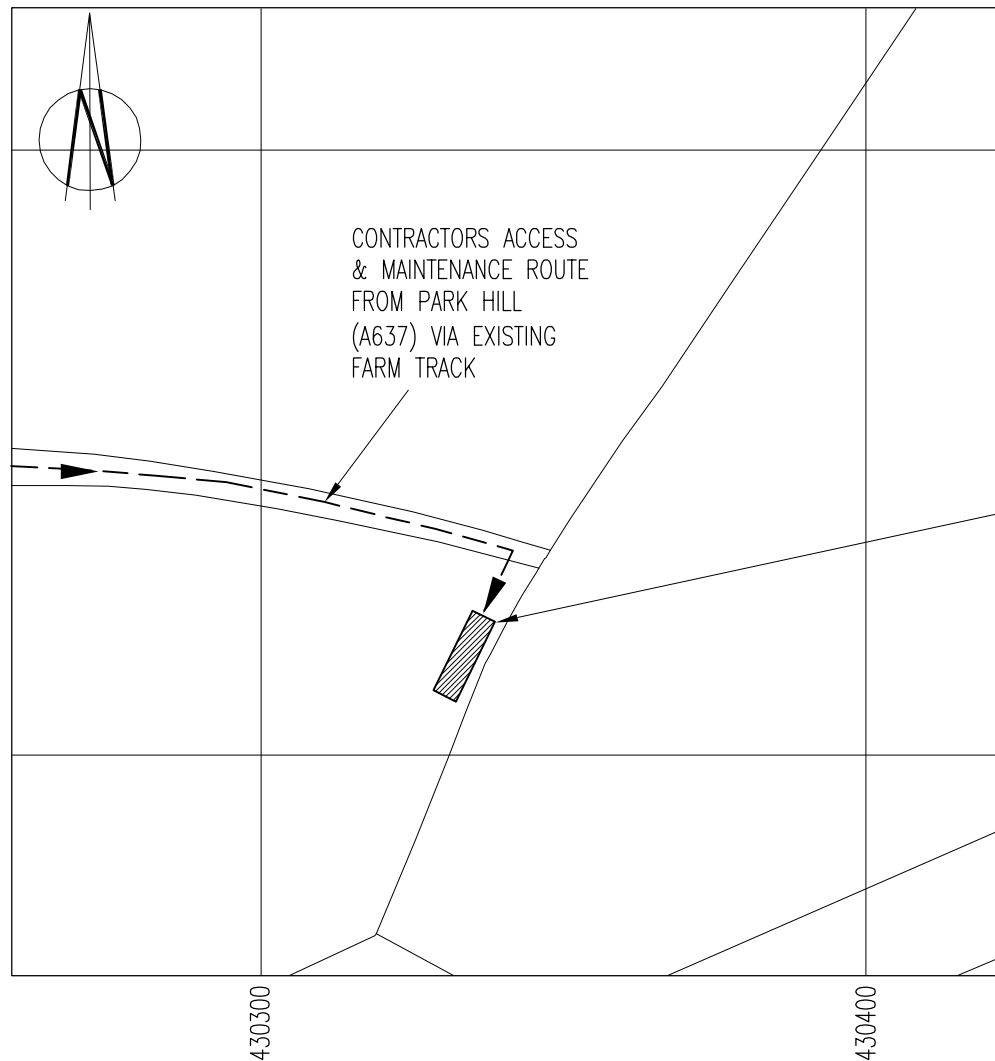
CABINET DETAILS:

KOMODO ON ROOT FOUNDATION
 DIMENSIONS: 1230x400x1542 HIGH
 MATERIAL: STEEL
 COLOUR: GREEN

TOWER DETAILS
 17m PHASE 4 STREETWORKS TOWER WITH GRP SHROUDED HEADFRAME MOUNTED ON NEW ROOT FOUNDATION
 COLOUR: GREEN
 HEADFRAME SHROUD COLOUR: GREY

EXISTING TOWER, ANTENNA AND FEEDERS TO BE REPLACED WITH SIMILAR SW TOWER MOUNTED ON NEW ROOT FOUNDATION. EXISTING WIDEBAND LNA'S TO BE RE-USED AND NEW FEEDERS TO RUN ALONG EXISTING ROUTE TO UCU'S TO MAINTAIN EXISTING SYSTEM. NEW LNA'S AND FEEDERS INSTALLED TO NEW KOMODO CABINET. NEW 40A BREAKER TO BE INSTALLED IN EXISTING DISTRIBUTION BOARD FOR AC KOMODO POWER SUPPLY. EXISTING TRANSMISSION DISH TO BE RE-LOCATED TO NEW TOWER

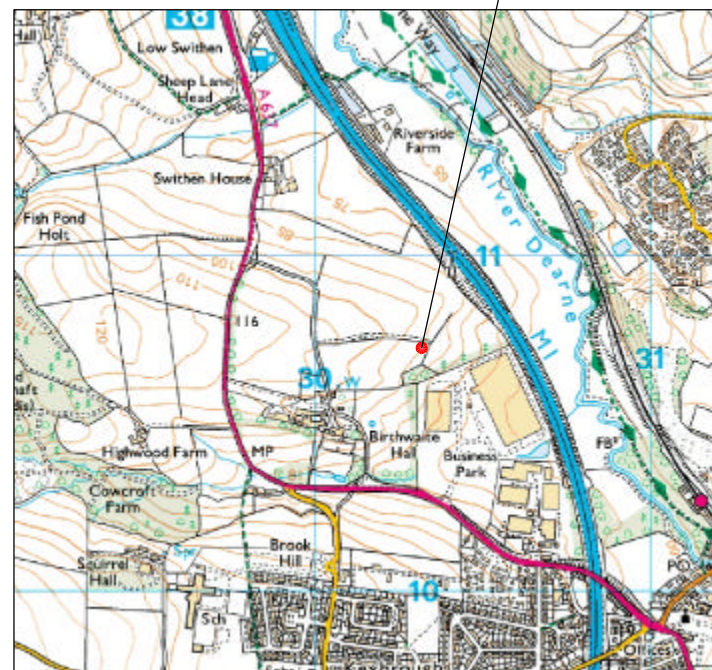
EXCLUSION ZONES CONFORM TO THE ICNIRP REFERENCE LEVEL FOR LIMITED EXPOSURE TO MEMBERS OF THE GENERAL PUBLIC



LOCATION PLAN

SCALE 1:1250
 REPRODUCED FROM ORDNANCE SURVEY
 PROMAP DATA© CROWN COPYRIGHT 2014
 LICENCE NUMBER 100020449

NGR E 430340
 NGR N 410728



LOCATION MAP

COVENTRY CONFIG.
 B2s/i/2 (SIM)

NOM/RDS DATE/REV.
 NOM. 22/04/2014

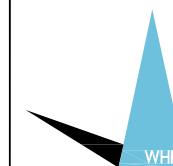
ANTENNA FIXIT APPROVED BY
 JOHN BUBBERS ON 18/07/2014

No.	Revision	Date	By	ckd
C	LOCATION MAP ADDED TO SHEET 01	10.09.14	REM	REM
B	ISSUED FOR PLANNING FOLLOWING FIXIT APPROVAL	25.07.14	MA	REM
A1	PRELIMINARY ISSUE FOR APPROVAL	18.07.14	CDH	REM



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 e-mail: info@wilkinson-helsby.co.uk

Site Name & Address:
 BIRKWAITE HALL FARM
 HUDDERSFIELD ROAD, DARTON,
 BARNSELY, S75 5JS

Title:
 PROPOSED TELECOMMUNICATIONS
 GREENFIELD UPGRADE
 SITE LOCATION

Purpose of Issue:
 PLANNING

Drawing No:
 75112 - 01

Cell No: 75112 Site No: BAR013

Issue: C	Scale: AS STATED	Ch'd: REM	Date: 17.07.14
	Drn: CDH	Date: 14.07.14	App: REM

100mm

50mm

10mm

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Site Name & Address:
**BIRTHWAITE HALL FARM
HUDDERSFIELD ROAD, DARTON,
BARNSELY, S75 5JS**

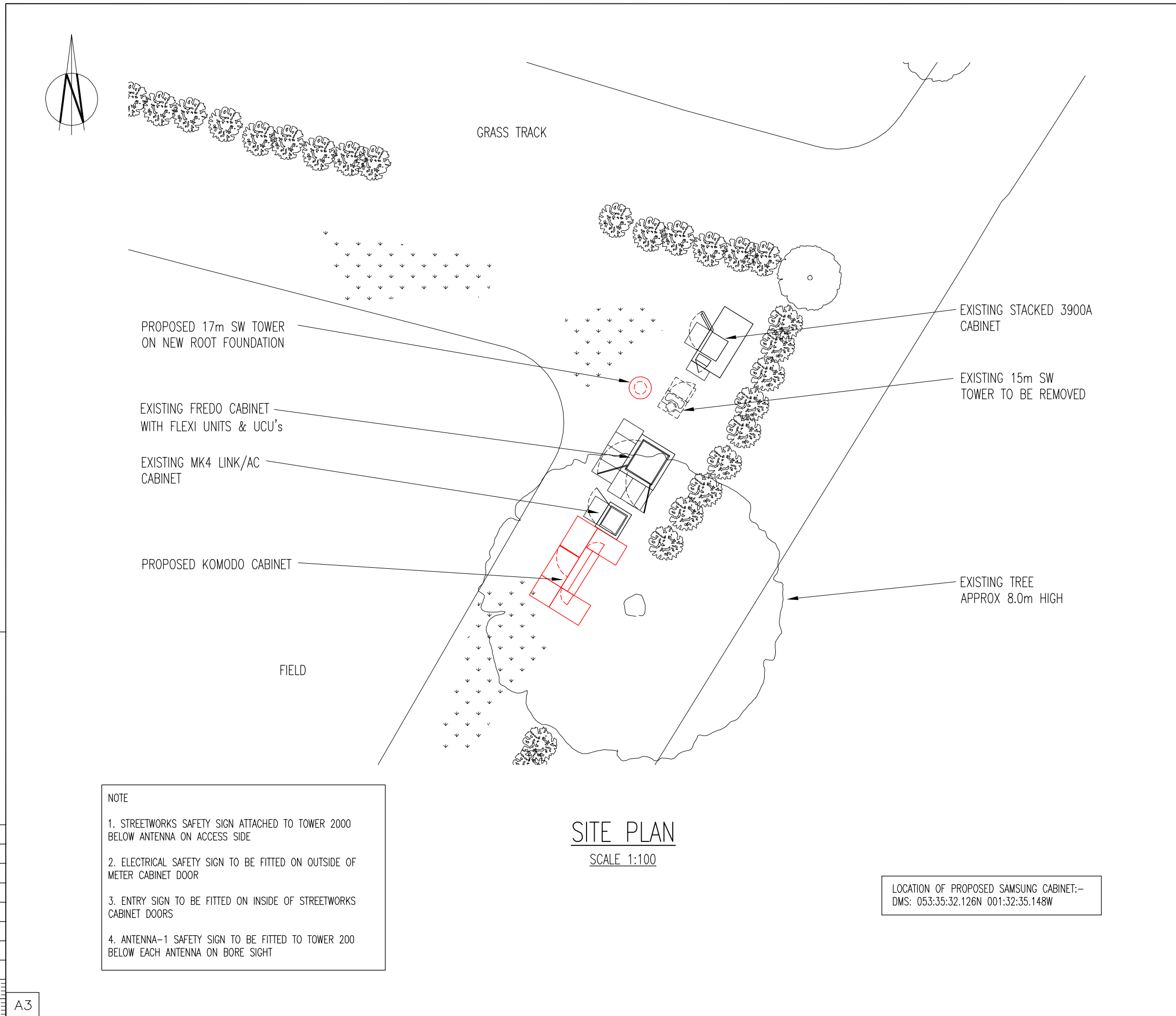
Title:
**PROPOSED TELECOMMUNICATIONS
GREENFIELD UPGRADE
SITE LAYOUT**

Purpose of Issue:
PLANNING

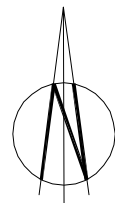
Drawing No:
75112 - 02

Cell No: **75112** Site No: **BAR013**

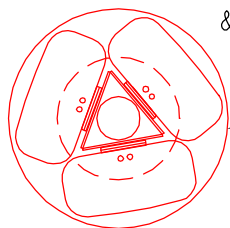
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	Drn: CDH	Date: 14.07.14	App: REM



100mm
50mm
10mm
A3



C3 & uC1/eC1
& HeC1 (290')



C1 & uA1/eA1
& HeA1 (50')

REPLACEMENT STREETWORKS TOWER TO
HAVE NEW MULTIBAND ANTENNA & LNA'S
MOUNTED WITHIN SHROUDED HEADFRAME

EXISTING TOWER TO BE REPLACED
WITH SIMILAR SW TOWER ON NEW
FOUNDATION. ANTENNA AND FEEDERS
TO BE REPLACED. EXISTING WIDEBAND
LNAs TO BE RE-USED.

C2 & uB1/eB1
& HeB1 (170')

ANTENNA DETAILS

SCALE 1:50

PROPOSED 2No. 150 DIA. DUCTS
FROM NEW TOWER TO NEW DRAWPITS

PROPOSED 17m REPLACEMENT
STREETWORKS TOWER ON NEW
ROOT FOUNDATION

PROPOSED 100 DIA. DUCT
FOR NEW POWER SUPPLY
FROM METER CABINET

PROPOSED 150 DIA. DUCT FOR
NEW FEEDERS FROM TOWER TO
KOMODO CABINET

EXISTING FREDO CABINET
WITH FLEXI UNITS & UCU'S

EXISTING MK4 LINK/AC
CABINET

PROPOSED 100 DIA. DUCT FOR
NEW TRANSMISSION SUPPLY
FROM LINK/AC CABINET

PROPOSED 150 DIA.
SPARE DUCT FOR
FUTURE USE

EXISTING STACKED 3900A
CABINET ON 200 PLINTH ON
RBS ROOT

EXISTING METER CABINET

PROPOSED DRAWPIT OVER
EXISTING FEEDER DUCTS

EXISTING PHASE 2 SW
TOWER TO BE REMOVED

EXISTING TYPE 1 DIPLEXOR
BOX TO BE REMOVED

PROPOSED DRAWPIT OVER
EXISTING FEEDER DUCTS

PROPOSED 150 DIA. DUCT
FROM EXISTING UCU'S

PROPOSED KOMODO
CABINET ON NEW ROOT
FOUNDATION

PROPOSED PCC SLABS
TO FORM HARDSTANDING
INFRONT OF NEW CABINET
DOORS

EQUIPMENT LAYOUT

SCALE 1:50

NOTE. PROPOSED KOMODO CABINET TO BE INSTALLED STRICTLY IN
ACCORDANCE WITH MANUFACTURERS DETAILS. REFER TO DESIGN
GUIDE FOR ELECTRICAL, EARTHING, TRANSMISSION, ALARM DETAILS,
ETC. NEW 40A BREAKER TO BE INSTALLED IN EXISTING
DISTRIBUTION BOARD FOR KOMODO POWER SUPPLY. MAKE OF
BREAKER MUST MATCH MAKE OF DB

COVENTRY CONFIG.
B2s/i/2 (SIM)

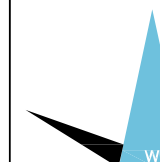
NOM/RDS DATE/REV.
NOM. 22/04/2014

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HUDDERSFIELD ROAD, DARTON,
BARNSELY, S75 5JS

Title:
PROPOSED TELECOMMUNICATIONS
GREENFIELD UPGRADE
EQUIPMENT LAYOUT

Purpose of Issue:
PLANNING

Drawing No:
75112 - 03

Cell No: 75112 Site No: BAR013

Issue: C	Scale: AS STATED	Ch'd: REM	Date: 17.07.14
Drn: CDH	Date: 14.07.14	App: REM	Date: 17.07.14

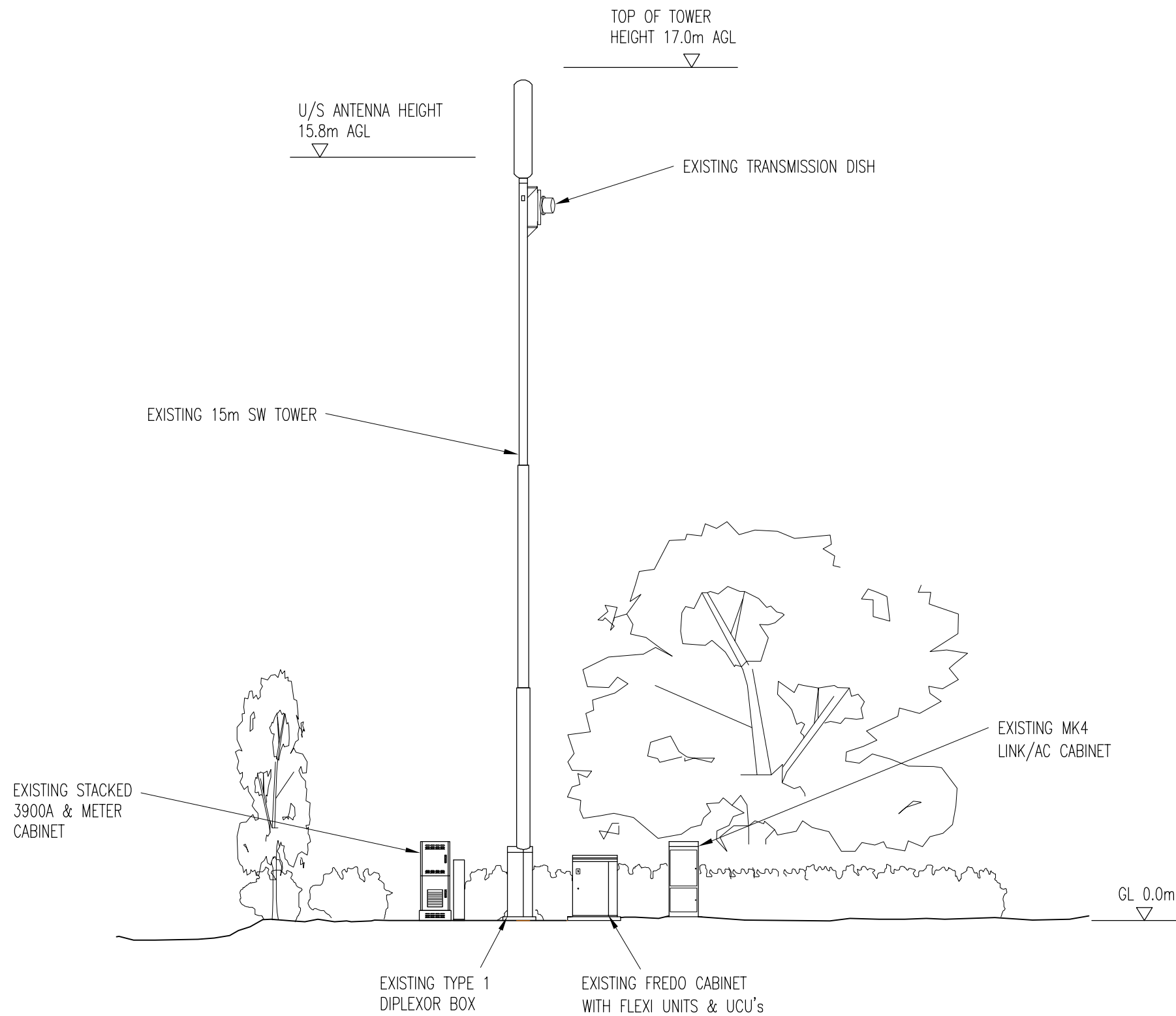
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COVENTRY CONFIG.
B2s/i/2 (SIM)

NOM/RDS DATE/REV.
NOM. 22/04/2014



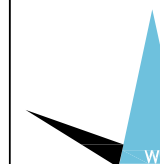
EXISTING NORTH WEST ELEVATION
SCALE 1:100

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Title:
**PROPOSED TELECOMMUNICATIONS
GREENFIELD UPGRADE
EXISTING SITE ELEVATION**

Purpose of Issue:
PLANNING

Drawing No:
75112 - 04

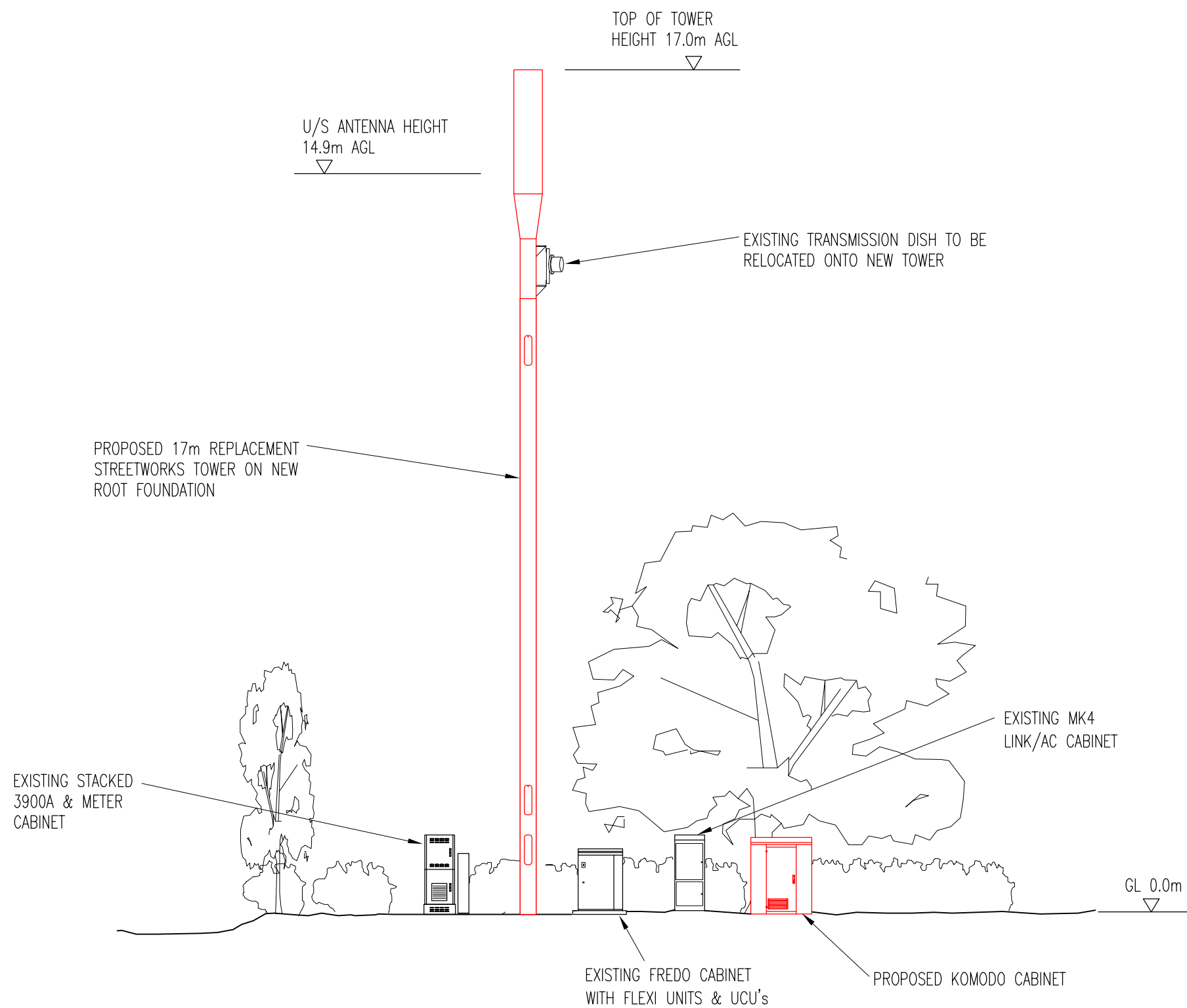
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Issue:	Scale: AS STATED	Ch'd: REM	Date: 17.07.14
C	Drn: CDH Date: 14.07.14	App: REM	Date: 17.07.14

100mm
50mm
10mm
A3

COVENTRY CONFIG.
B2s/i/2 (SIM)

NOM/RDS DATE/REV.
NOM. 22/04/2014



PROPOSED NORTH WEST ELEVATION
SCALE 1:100

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Title:
PROPOSED TELECOMMUNICATIONS
GREENFIELD UPGRADE
SITE ELEVATION

Purpose of Issue:
PLANNING

Drawing No:
75112 - 05

Cell No: 75112 Site No: BAR013

Issue: C	Scale: AS STATED	Ch'd: REM	Date: 17.07.14
	Drn: CDH Date: 14.07.14	App: REM	Date: 17.07.14

NOMINATION COMPLIANCE

THIS DRAWING HAS THE FOLLOWING VARIATIONS FROM THE NOMINATION ISSUED ON 22/04/2014

EXISTING STREETWORKS TOWER SO STANDARD SW SOLUTION ADOPTED – REPLACEMENT TOWER WITH 6 PORT ANTENNA

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BARNSELY, S75 5JS

Title:
PROPOSED TELECOMMUNICATIONS
GREENFIELD UPGRADE
ANTENNA DETAILS

Purpose of Issue:
PLANNING

Drawing No:
75112 – 06

Cell No: 75112 Site No: BAR013

Issue: C	Scale: AS STATED	Ch'd: REM	Date: 17.07.14
	Drn: CDH	Date: 14.07.14	App: REM

ANTENNA DETAILS

EXISTING	ORIENT	BASE ANT. HEIGHT (m) AGL	ANTENNA TYPE	RET	OVERALL FEEDER LENGTH	ANTENNA JUMPER LENGTH	OVERALL SYSTEM LOSS	MAIN FEEDER TYPE	TMA
C1/uA1	50	15.8	KAT 742215	No	EX	0.5	EX	4-50	EX
C2/uB1	170	15.8	KAT 742215	No	EX	0.5	EX	4-50	EX
C3/uC1	290	15.8	KAT 742215	No	EX	0.5	EX	4-50	EX

EXISTING ANTENNA TABLE

ANTENNA DETAILS

PROPOSED	FREQUENCY	ORIENT	BASE ANT. HEIGHT (m) AGL	ANTENNA TYPE	RET REQ'D	OVERALL FEEDER LENGTH	ANTENNA JUMPER LENGTH	OVERALL SYSTEM LOSS	MAIN FEEDER TYPE	MHA REQ'D
C1	1800	50	14.9	ATR4518R4	Yes	16	0.5	2.5	4-50	E15S09P75
uA1/eA1	2100/1800				Yes	16/20	0.5	2.5/2.9	4-50	EX
HeA1	800				Yes	20	0.5	2.9	4-50	800 TMA
C2	1800	170	14.9	ATR4518R4	Yes	16	0.5	2.5	4-50	E15S09P75
uB1/eB1	2100/1800				Yes	16/20	0.5	2.5/2.9	4-50	EX
HeB1	800				Yes	20	0.5	2.9	4-50	800 TMA
C3	1800	290	14.9	ATR4518R4	Yes	16	0.5	2.5	4-50	E15S09P75
uC1/eC1	2100/1800				Yes	16/20	0.5	2.5/2.9	4-50	EX
HeC1	800				Yes	20	0.5	2.9	4-50	800 TMA

NOTE: FEEDER LENGTH SHOWN IS ONLY APPROXIMATE AND SHOULD BE CHECKED BY RIGGING CONTRACTOR PRIOR TO WORK COMMENCING

PROPOSED ANTENNA TABLE

TRANSMISSION DISH DETAILS

DISH ID	D1 CO			
DISH SIZE	300			
HEIGHT m AGL	14.5			
POLE TAG REF	TBA			
BEARING *EGN	TBA			
SITE LINK	TBA			
SITE NAME	TBA			
TNE No.	TBA			
ML No.	TBA			
RADIO TYPE	TBA			
POLARITY	TBA			

Key to Dish Status

CO: Commissioned/Installed transmission dish

PL: Planned transmission dish with Landlords & Planning consent

Reserved: Approved transmission dish for future requirement

Proposed: New transmission dish awaiting Landlords & Planning consent

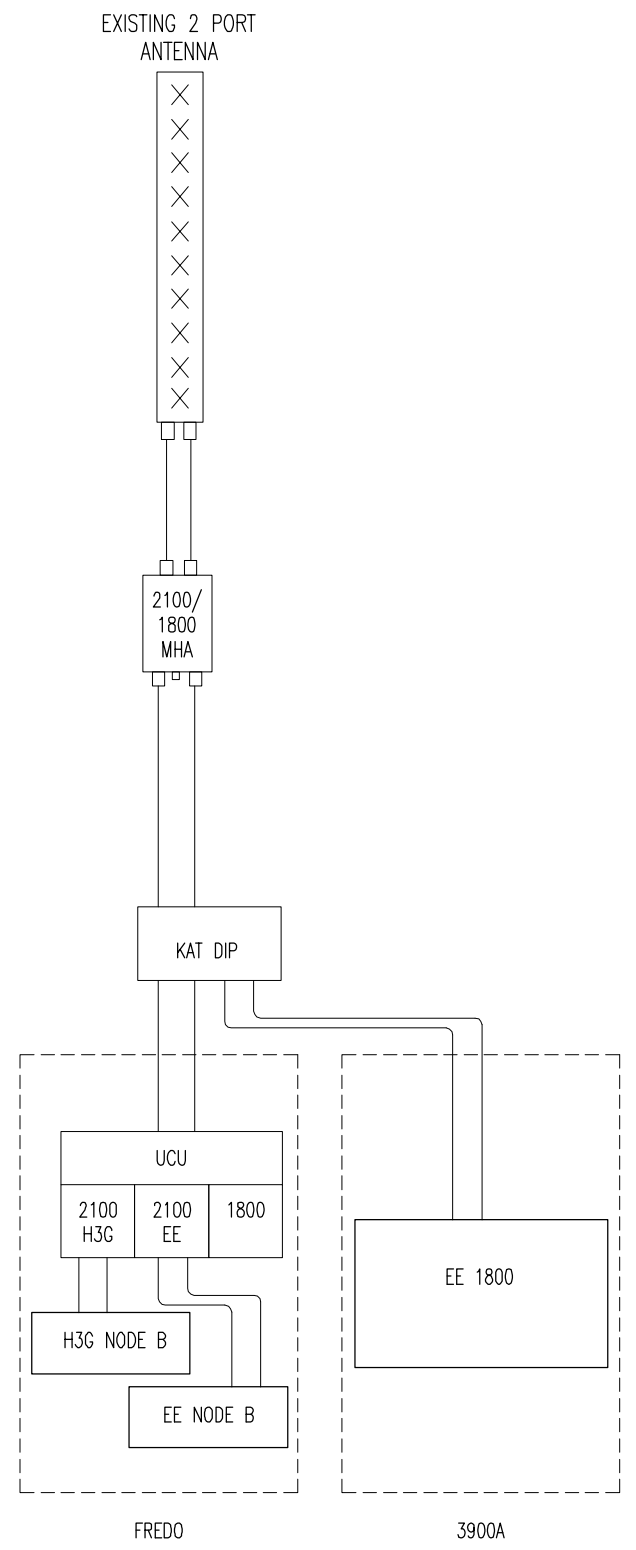
HCO: Replacement of existing transmission dish with Landlords & Planning consent

DISH TABLE

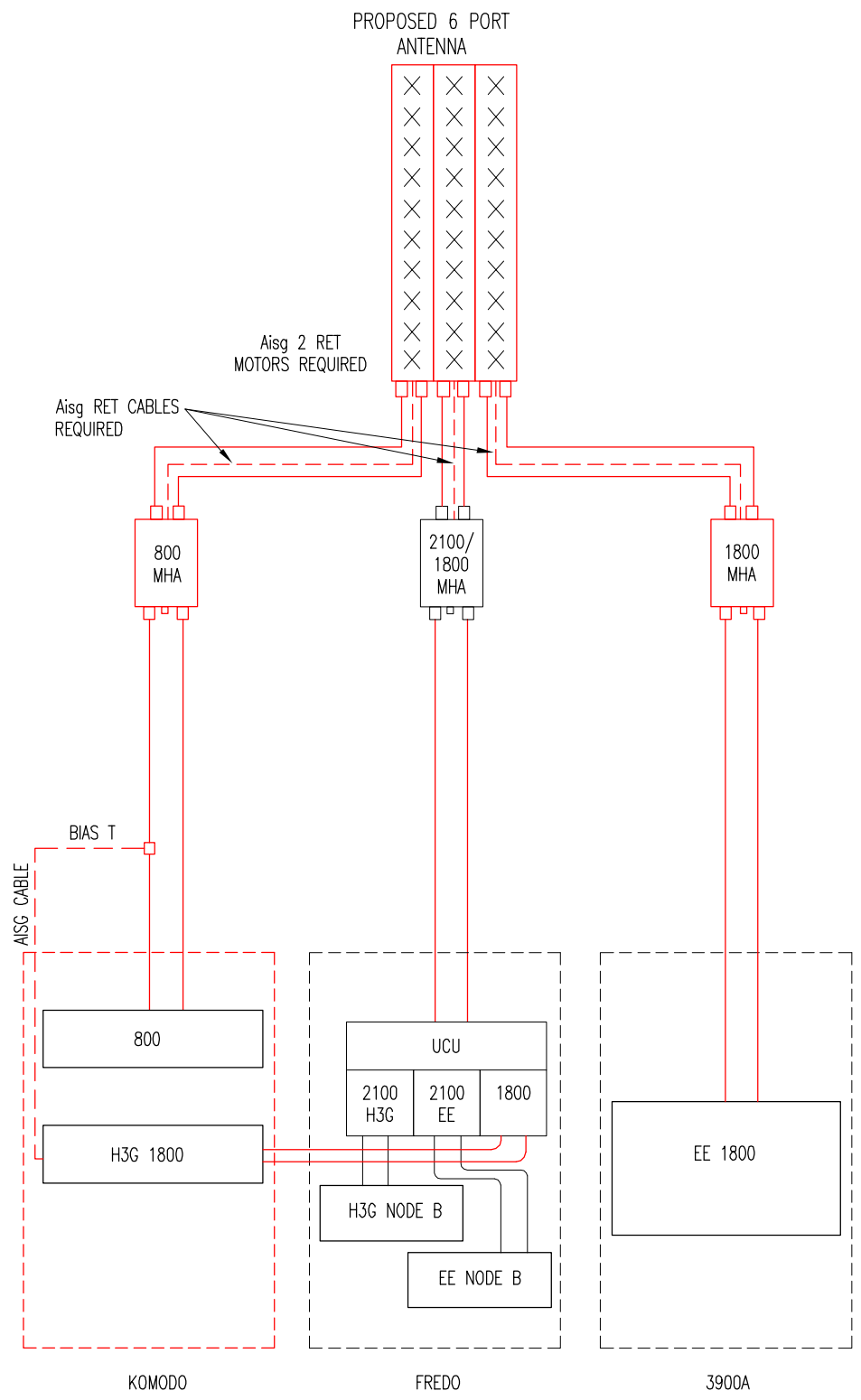
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EXISTING SCHEMATIC
NTS



PROPOSED SCHEMATIC
NTS

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Title:
PROPOSED TELECOMMUNICATIONS
GREENFIELD UPGRADE
EQUIPMENT SCHEMATICS

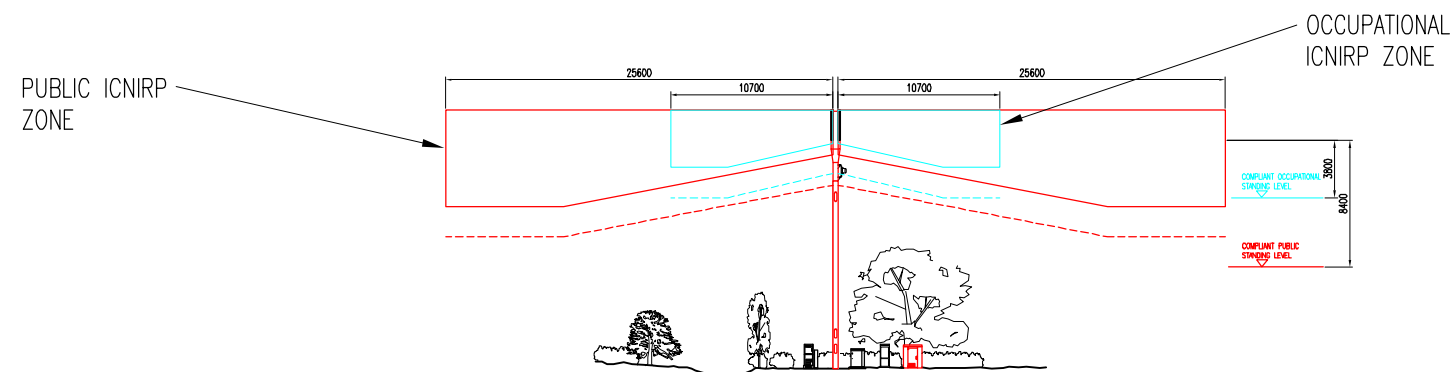
Purpose of Issue:
PLANNING

Drawing No:
75112 - 07

Cell No: 75112 Site No: BAR013

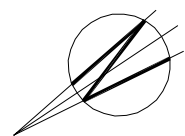
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50mm
10mm
A3

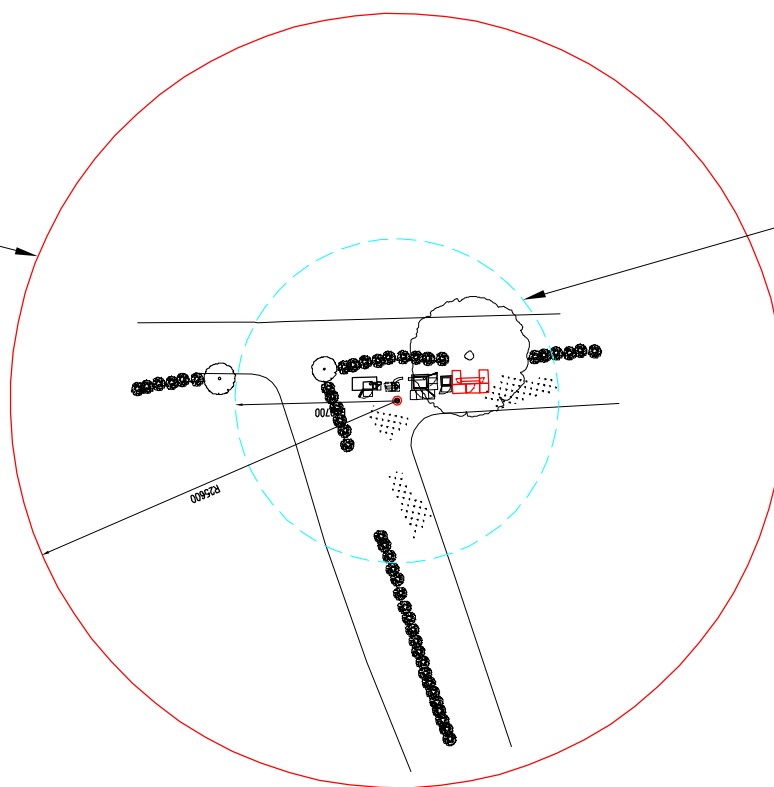


NORTH WEST ELEVATION

SCALE 1:500



PUBLIC ICNIRP ZONE



OCCUPATIONAL ICNIRP ZONE

PLAN

SCALE 1:500

ICNIRP EXCLUSION ZONES ARE BASED ON VALUES WITHIN THE MBNL ICNIRP COMPLIANCE CERTIFICATION DOCUMENT GSDD008 R6.0

EXISTING SITE TYPE GF (GSM/UMTS) NO OTHER OPERATORS WITHIN 50m HORIZ AND 4m VERT.
 USE VALUES FOR EE/H3g ONLY
 PROPOSED WORKS: H3G LTE UPGRADE
 ANTENNA TYPE: KAT 742236
 BEARINGS: 50,170,290
 ACTUAL BUILD HEIGHT: 14.9m
 FRONT DISTANCE PUBLIC: 25.6m
 FRONT DISTANCE OCCUPATIONAL: 10.7m
 PUBLIC BUILD HEIGHT 8.4m
 COMPLIANCE DISTANCES BASED ON THE FOLLOWING EQUIPMENT POWER:
 800MHz - 80W
 1800MHz - 320W
 2100MHz - 220W

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 ICNIRP DETAILS

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Drawing No:
 75112 - 08

Cell No: 75112 Site No: BAR013

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100mm

50mm

10mm