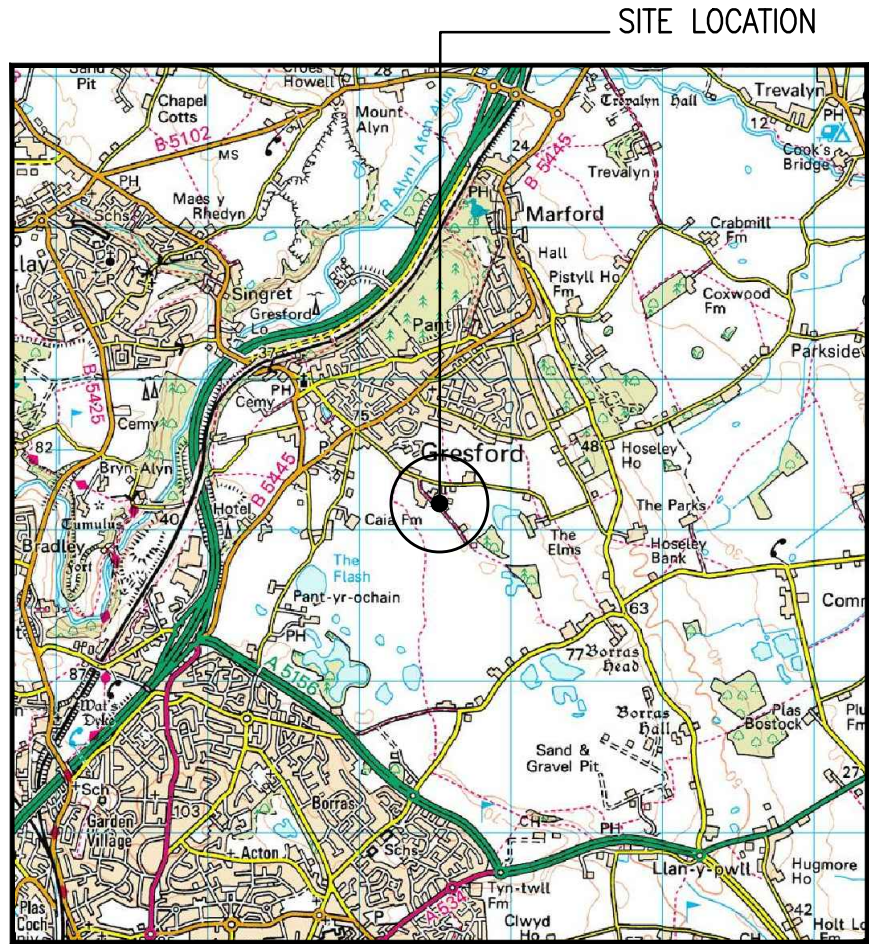




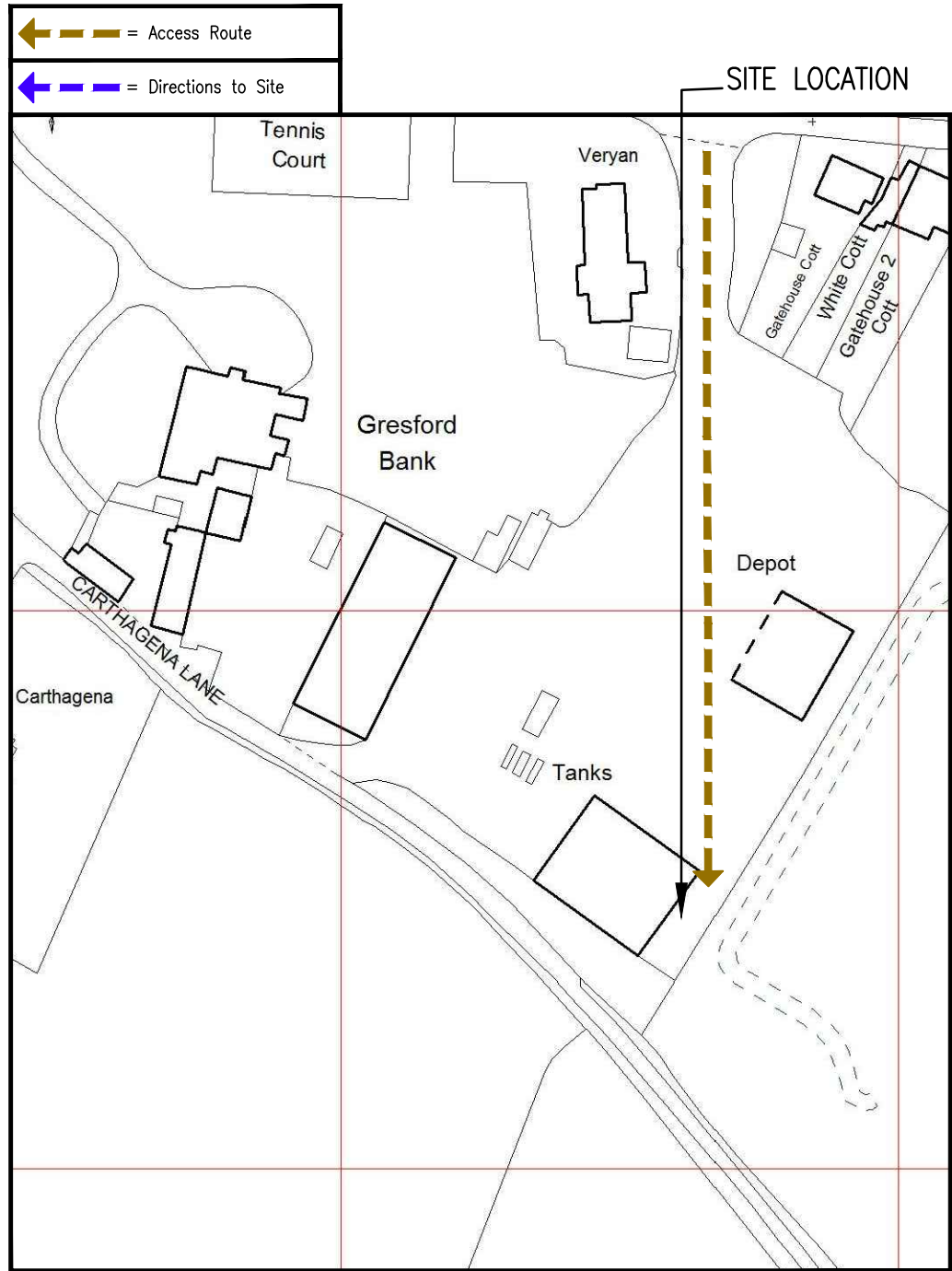
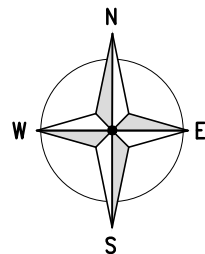
0 1km 2km
Scale

SITE LOCATION
(Scale 1:50000)

Ordnance Survey map extract
based upon Landranger map series
with the permission of the controller of
Her Majesty's Stationery Office
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SITE PHOTOGRAPH



3542 00

3541 00

3355 00

3356 00

DETAILED SITE LOCATION
(Scale 1:1250)

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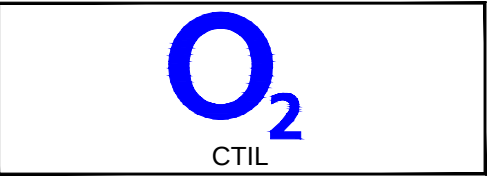
Notes:
1 ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE

N.G.R. E: 335562 N: 354147

Directions
Heading south on the M53 continue onto the A55 then
after approx. 5.1 miles take the exit. At the
roundabout turn left onto Wrexham Road (A483). At
the next roundabout take the second exit then at
junction 6 turn left onto Nantwich. At the roundabout
turn left onto B5445. Bear right on to High Street.
Follow the road as the name changes to Vicarage
Lane. The site entrance is on the right hand side just
after the turning for Carthagen Lane.

REV	MODIFICATION	BY	CH	DATE
D	Site location and orientation corrected	GW	KC	15.08.14
C	Site operated amended to 02	KO	KC	28.05.14
B	New pole relocated to suit dish requirements	BB	PL	02.05.14
A	Issued for Approval	BB	PL	26.03.14

No: 58 Cygnet Court
Timothys Bridge Road
Stratford-upon-Avon
Works
CV37 9NW
Tel: 01789 206500

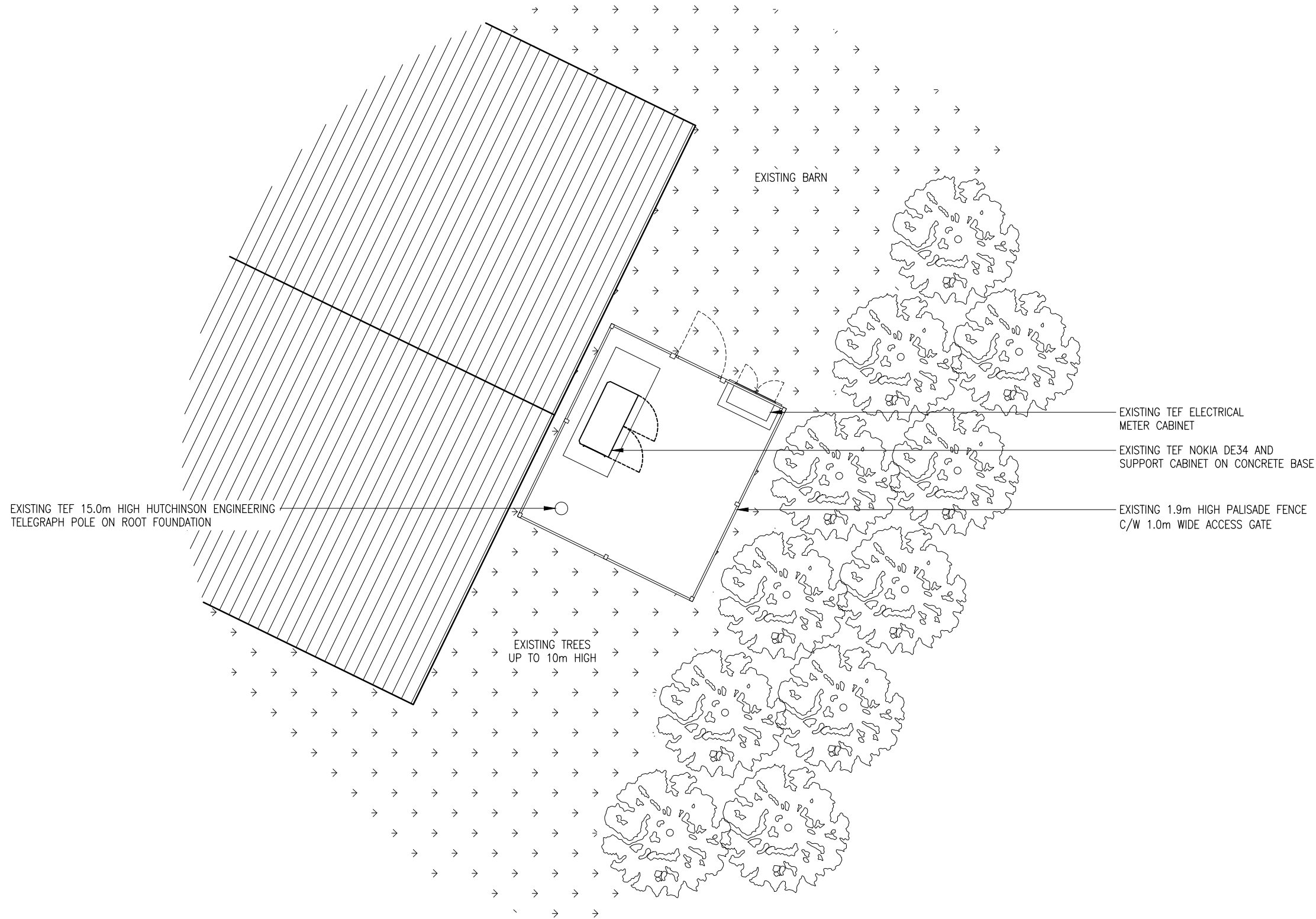
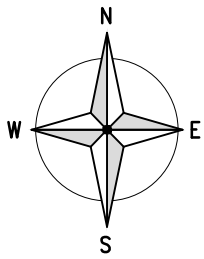


Cell Name		Opt
GRESFORD		A
Cell ID No		
CTIL	Host	Sharer
(CTIL)128673	(TEF)037349	(VF)86968

Site Address / Contact Details

GRESFORD BANK
VICARAGE LANE
GRESFORD
WREXHAM
LL12 8UT

Drawing Title: SITE LOCATION MAPS			
Purpose of issue: PLANNING			
Drawing Number: 100			
Scale: As Shown	Drawn: BB	Date: 26.03.14	Issue: D
Checked: PL	Date: 26.03.14	Approved: SR	



EXISTING SITE PLAN
(1:100)

Notes:
1 ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE

N.G.R.	E: 335562	N: 354147
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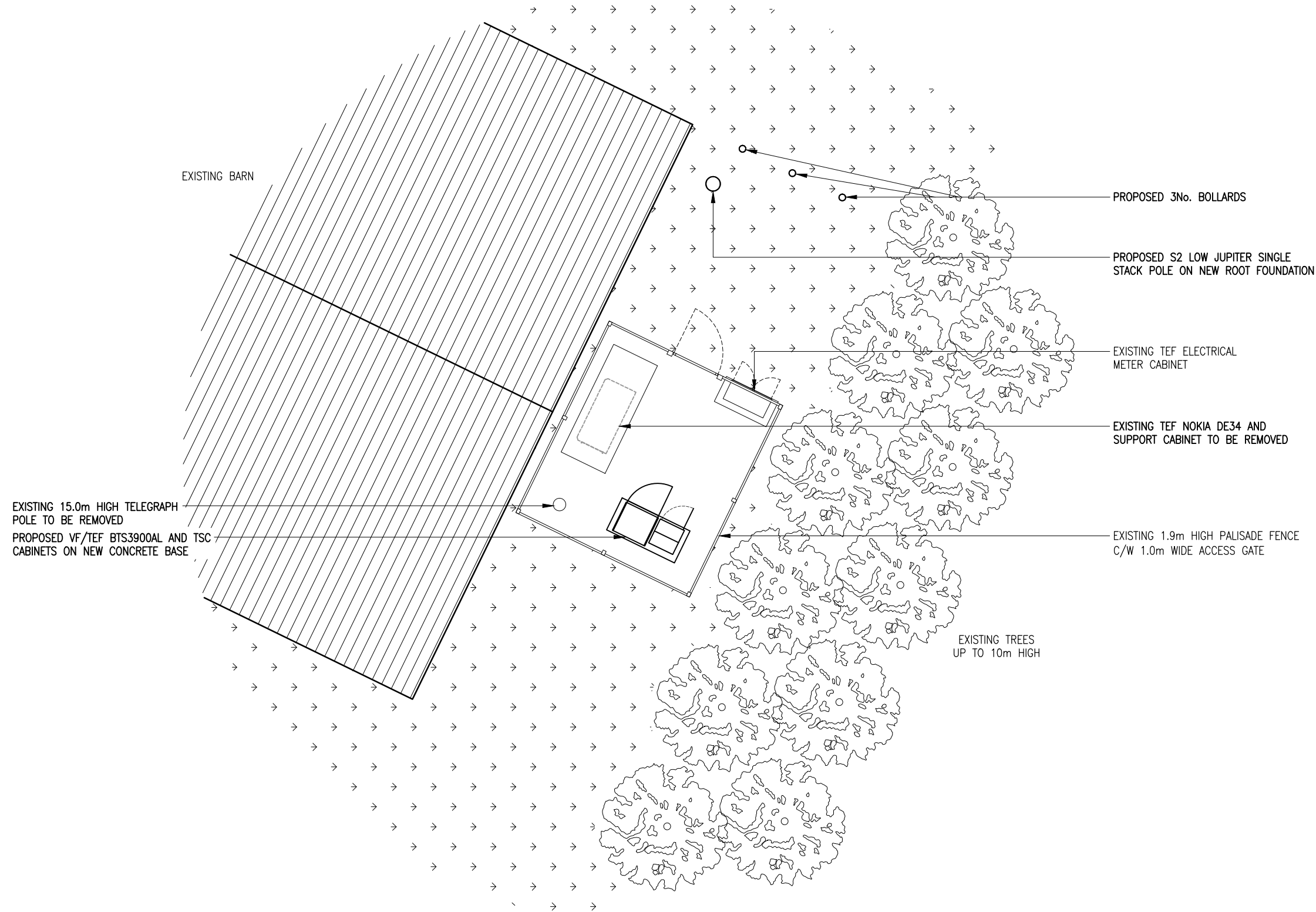
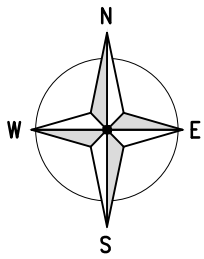
D	Site location and orientation corrected	GW	KC	15.08.14
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REV	MODIFICATION	BY	CH	DATE

No: 58 Cygnet Court
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Stratford-upon-Avon
Works
CV37 9NW
Tel: 01789 206500

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CTIL

Cell Name			Opt
GRESFORD			A
Cell ID No			
CTIL	Host	Sharer	
(CTIL)128673	(TEF)037349	(VF)86968	
Site Address / Contact Details			
GRESFORD BANK VICARAGE LANE GRESFORD WREXHAM LL12 8UT			
Drawing Title: EXISTING SITE PLAN			
Purpose of issue: PLANNING			
Drawing Number: 201			
Scale: As Shown		Drawn: BB	Date: 26.03.14
Checked: PL	Date: 26.03.14	Approved: SR	Date: 26.03.14
			Issue: D



PROPOSED SITE PLAN
(1:100)

The drawings comply with Vodafone Standard ICNIRP guidelines.
Designed in accordance with CTIL document: SDN0008

Notes:
1 ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE

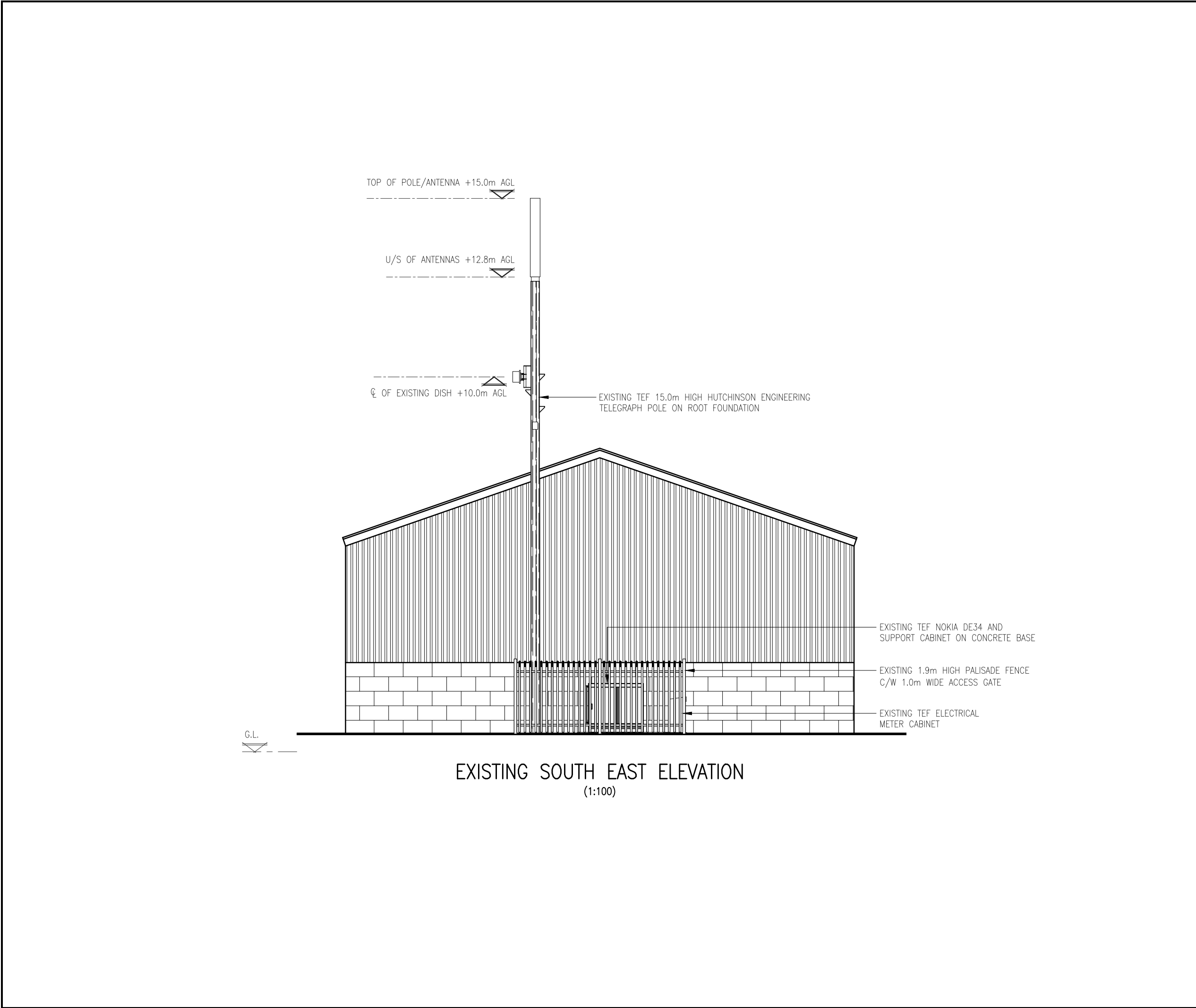
N.G.R. E: 335562 N: 354147

REV	MODIFICATION	BY	CH	DATE
D	Site location and orientation corrected	GW	KC	15.08.14
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No: 58 Cygnet Court
Timothys Bridge Road
Stratford-upon-Avon
Works
CV37 9NW
Tel: 01789 206500

CTIL

Cell Name			Opt
GRESFORD			A
Cell ID No			
CTIL	Host	Sharer	
(CTIL)128673	(TEF)037349	(VF)86968	
Site Address / Contact Details			
GRESFORD BANK VICARAGE LANE GRESFORD WREXHAM LL12 8UT			
Drawing Title: PROPOSED SITE PLAN			
Purpose of issue: PLANNING			
Drawing Number: 202			
Scale: As Shown		Drawn: BB	Date: 26.03.14
Checked: PL	Date: 26.03.14	Approved: SR	Date: 26.03.14
			Issue: D



Notes:
1 ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE

N.G.R.

E: 335562

N: 354147

D	Site location and orientation corrected	GW	KC	15.08.14
C	Site operated amended to 02	KO	KC	28.05.14
B	New pole relocated to suit dish requirements	BB	PL	02.05.14
A	Issued for Approval	BB	PL	26.03.14
REV	MODIFICATION	BY	CH	DATE

No: 58 Cygnet Court
Timothys Bridge Road
Stratford-upon-Avon
Works
CV37 9NW
Tel: 01789 206500

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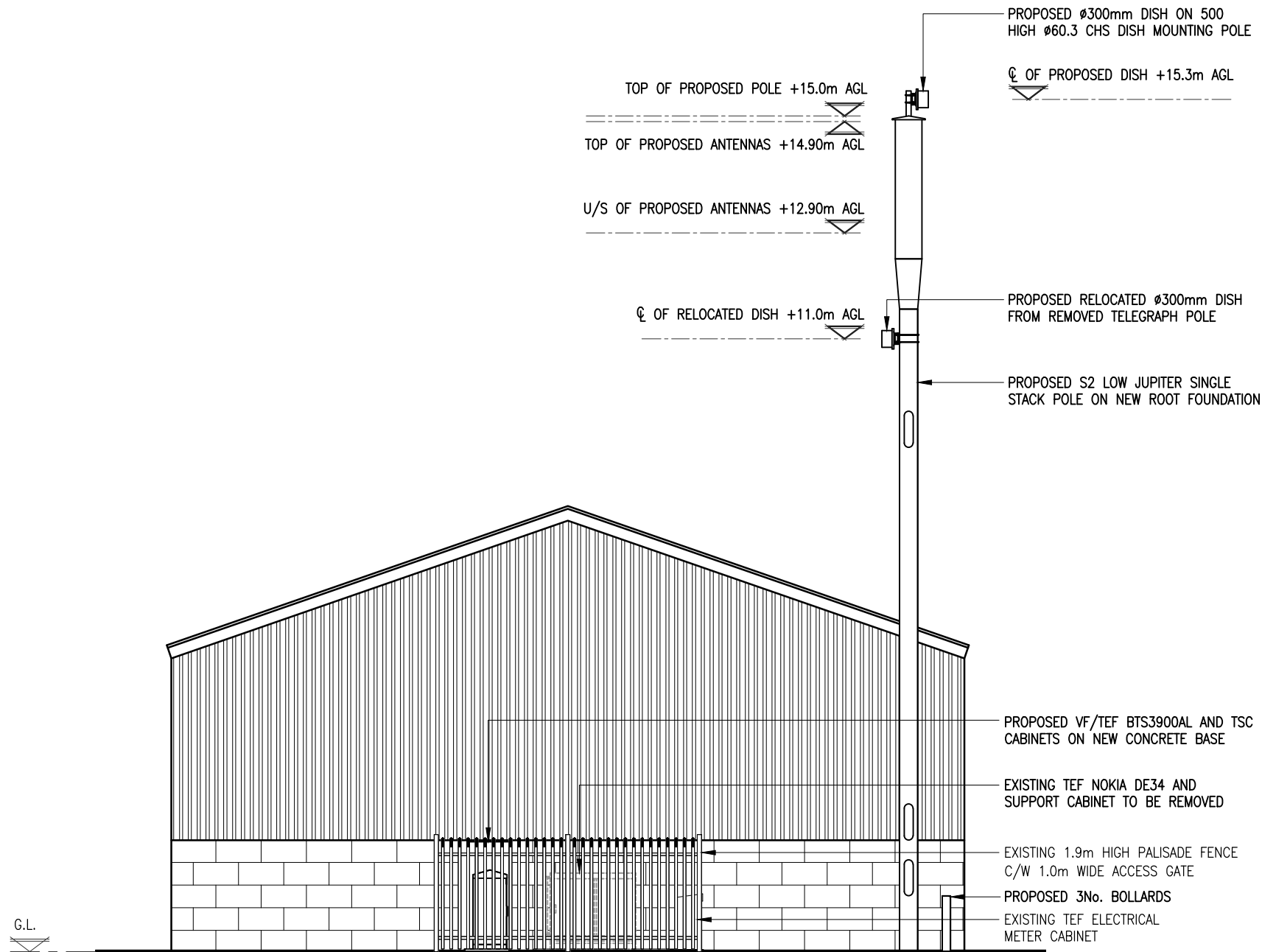
CTIL

Cell Name			Opt
GRESFORD			A
Cell ID No			
CTIL	Host	Sharer	
(CTIL)128673	(TEF)037349	(VF)86968	
Site Address / Contact Details			
GRESFORD BANK VICARAGE LANE GRESFORD WREXHAM LL12 8UT			
Drawing Title: EXISTING NORTH EAST ELEVATION			
Purpose of issue: PLANNING			
Drawing Number: 301			
Scale: As Shown		Drawn: BB	Date: 26.03.14
Checked: PL	Date: 26.03.14	Approved: SR	Date: 26.03.14
			Issue: D

The drawings comply with Vodafone Standard ICNIRP guidelines.
Designed in accordance with CTIL document: SDN0008

Notes:
1 ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE

N.G.R. E: 335562 N: 354147

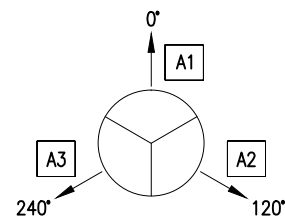
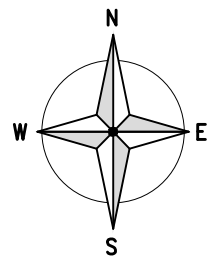


PROPOSED SOUTH EAST ELEVATION
(1:100)

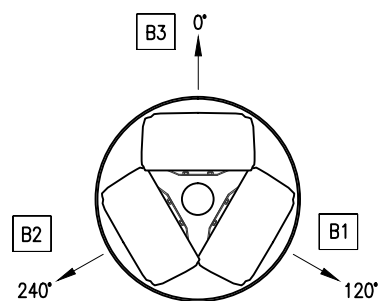
REV	MODIFICATION	BY	CH	DATE
D	Site location and orientation corrected	GW	KC	15.08.14
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No: 58 Cygnet Court
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CV37 9NW
Tel: 01789 206500

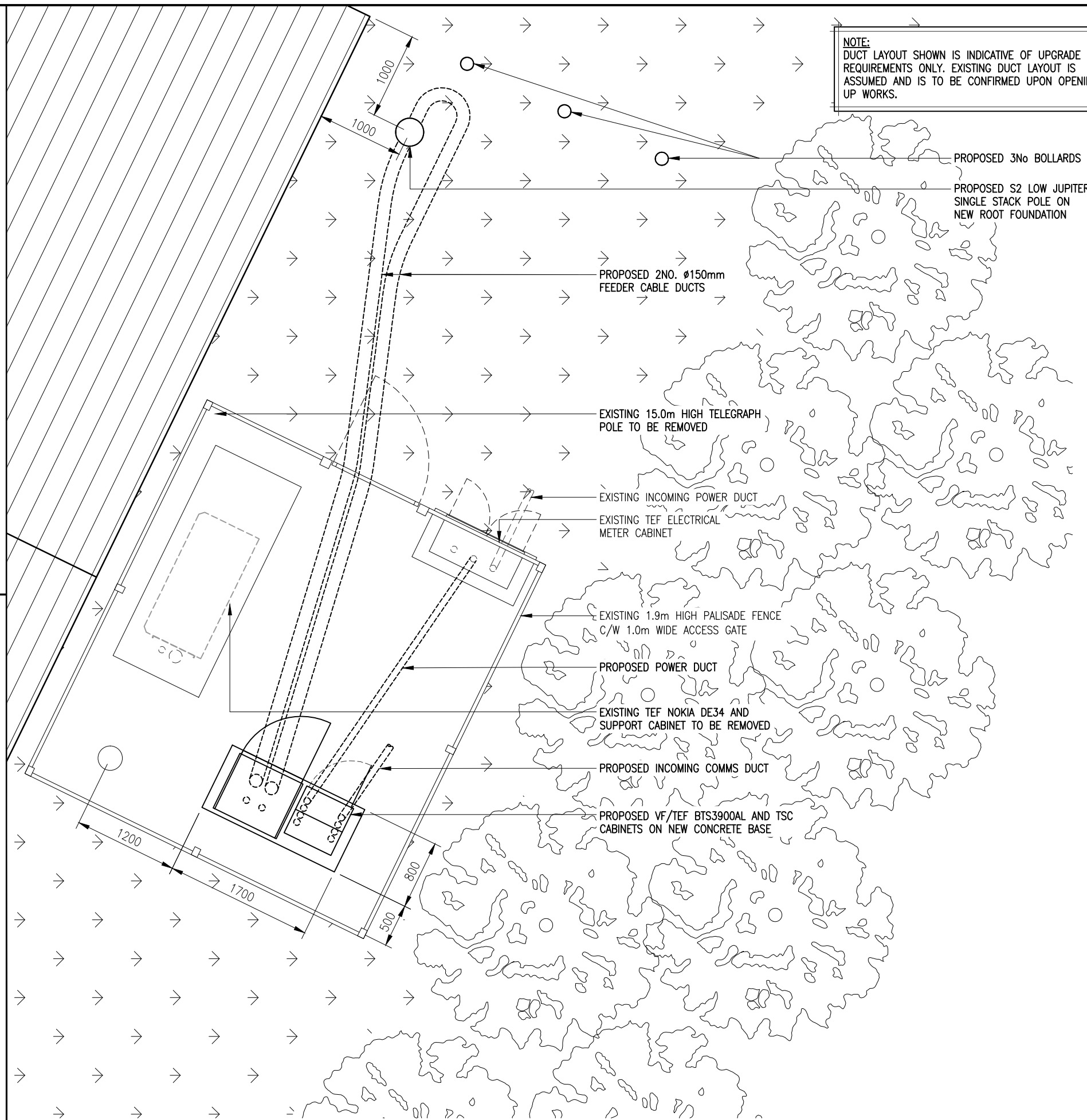
Cell Name			Opt
GRESFORD			A
Cell ID No			
CTIL	Host	Sharer	
(CTIL)128673	(TEF)037349	(VF)86968	
Site Address / Contact Details			
GRESFORD BANK VICARAGE LANE GRESFORD WREXHAM LL12 8UT			
Drawing Title: PROPOSED NORTH EAST ELEVATION			
Purpose of issue: PLANNING			
Drawing Number: 302			
Scale: As Shown		Drawn: BB	Date: 26.03.14
Checked: PL	Date: 26.03.14	Approved: SR	Date: 26.03.14
			Issue: D



EXISTING ANTENNA LAYOUT
(1:20)



PROPOSED ANTENNA LAYOUT
(1:20)



NOTE:
DUCT LAYOUT SHOWN IS INDICATIVE OF UPGRADE REQUIREMENTS ONLY. EXISTING DUCT LAYOUT IS ASSUMED AND IS TO BE CONFIRMED UPON OPENING UP WORKS.

Notes:
1 ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE

N.G.R.	E: 335562	N: 354147
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REV	MODIFICATION	BY	CH	DATE
D	Site location and orientation corrected	GW	KC	15.08.14
C	Site operated amended to 02	KO	KC	28.05.14
B	New pole relocated to suit dish requirements	BB	PL	02.05.14
A	Issued for Approval	BB	PL	26.03.14

No: 58 Cygnet Court
Timothys Bridge Road
Stratford-upon-Avon
Warks
CV37 9NW
Tel: 01789 206500

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CTIL

Cell Name		Opt		
GRESFORD		A		
Cell ID No				
CTIL	Host	Sharer		
(CTIL)128673	(TEF)037349	(VF)86968		
Site Address / Contact Details				
GRESFORD BANK VICARAGE LANE GRESFORD WREXHAM LL12 8UT				
Drawing Title: ANTENNA & EQUIPMENT LAYOUT				
Purpose of issue: PLANNING				
Drawing Number: 400				
Scale:	As Shown	Drawn: BB	Date: 26.03.14	Issue:
Checked: PL	Date: 26.03.14	Approved: SR	Date: 26.03.14	D

CONFIGURATION: S2 LOW										CONFIG CODE: VOD_UK_SRB_304_221																			
EXISTING & PROPOSED ANTENNA SCHEDULE (EXISTING EQUIPMENT SHOWN GREY)																													
PROPOSED & EXISTING ANTENNAS		OPERATOR	FUNCTION	FEEDER/DC/FIBRE								MHA's/RRU's/BIAS T's/JUMPERS/COMBINERS								ANTENNAS									
				LENGTH & DIAMETER (SEE GUIDANCE NOTES BELOW)				TYPE (COAX OR DC/FIBRE)	FEEDERS QTY		DC/FIBRE QTY	DC/FIBRE LENGTH	MHA NSN QTY	MHA E'SSON QTY	RRU QTY	BIAS T QTY	RRU TO ANTENNA JUMPER LENGTH (TO BE WITHIN MAX LENGTH ALLOWED AS PER CTIL DESIGN SPEC)	MHA TO ANTENNA JUMPER LENGTH (RTOPS & GFIELDS)	COMBINERS (HIGH LEVEL)	COMBINERS (LOW LEVEL IN CABINET, CABIN ETC)	ANT. REF.	ANTENNA MANUFACTURERS PART No.	BRG*	HEIGHT TO TOP (m)	HEIGHT TO U/S (m)	HEIGHT TO C/L (m)	LOCATION (POLE MOUNTED, HEADFRAME, WITHIN SHROUD ETC)	STATUS	COMMENTS
MF1	MF(J1)	MF(J2)	TOTAL		EX'TNG	PROP																							
SECTOR 1	EXISTING ANTENNA	TEF	1G09	7⁄8=16m	—	—	16m	COAX	2	—	—	—	—	—	—	—	—	—	—	A1	EXISTING	0°	15.0m	12.8m	13.9m	SHROUD	REMOVE	—	
	PROPOSED ANTENNA	FUTURE	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	B1a	KATHREIN 80010691	120°	14.9m	12.9m	13.9m	SHROUD	NEW	6—PORT ANTENNA	
		VF/TEF	1GU9	1⁄2=16m	1⁄2=3m	—	19m	COAX	—	2	—	—	—	—	—	—	—	—	—	B1b									
		VF/TEF	1L08	1⁄2=16m	1⁄2=3m	—	19m	COAX	—	2	—	—	—	—	—	—	—	—	—	—									B1c
SECTOR 2	EXISTING ANTENNA	TEF	2G09	7⁄8=16m	—	—	16m	COAX	2	—	—	—	—	—	—	—	—	—	—	A2	EXISTING	120°	15.0m	12.8m	13.9m	SHROUD	REMOVE	—	
	PROPOSED ANTENNA	FUTURE	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	B2a	KATHREIN 80010691	240°	14.9m	12.9m	13.9m	SHROUD	NEW	6—PORT ANTENNA	
		VF/TEF	2GU9	1⁄2=16m	1⁄2=3m	—	19m	COAX	—	2	—	—	—	—	—	—	—	—	—	B2b									
		VF/TEF	2L08	1⁄2=16m	1⁄2=3m	—	19m	COAX	—	2	—	—	—	—	—	—	—	—	—	—									B2c
SECTOR 3	EXISTING ANTENNA	TEF	3G09	7⁄8=16m	—	—	16m	COAX	2	—	—	—	—	—	—	—	—	—	—	A3	EXISTING	240°	15.0m	12.8m	13.9m	SHROUD	REMOVE	—	
	PROPOSED ANTENNA	FUTURE	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	B3a	KATHREIN 80010691	0°	14.9m	12.9m	13.9m	SHROUD	NEW	6—PORT ANTENNA	
		VF/TEF	3GU9	1⁄2=16m	1⁄2=3m	—	19m	COAX	—	2	—	—	—	—	—	—	—	—	—	B3b									
		VF/TEF	3L08	1⁄2=16m	1⁄2=3m	—	19m	COAX	—	2	—	—	—	—	—	—	—	—	—	—									B3c

EXISTING DISH KEY						
STATUS	OPERATOR	DISH REF	DISH DIA	BEARING	HEIGHT TO CENTRE (AGL)	LINK No.
RELOCATE	TEF	D1	ø300	40°	11.0m	TBC

PROPOSED DISH KEY						
STATUS	OPERATOR	DISH REF	DISH DIA	BEARING	HEIGHT TO CENTRE (AGL)	LINK No.
PROPOSED	VF/TEF	D2	ø300	265°	15.3m	TBC

No: 58 Cygnet Court
Timothys Bridge Road
Stratford—upon—Avon
Works
CV37 9NW
Tel: 01789 206500

O₂

CTIL

Cell Name			Opt
GRESFORD			A
Cell ID No			
CTIL	Host	Sharer	
(CTIL)128673	(TEF)037349	(VF)86968	
Site Address / Contact Details			
GRESFORD BANK VICARAGE LANE GRESFORD WREXHAM LL12 8UT			
Drawing Title: ANTENNA SCHEDULES			
Purpose of issue: PLANNING			
Drawing Number: 500			

Scale: As Shown		Drawn: BB		Date: 26.03.14		Issue: D
Checked: PL	Date: 26.03.14	Approved: SR	Date: 26.03.14			

ANTENNA REFERENCE KEY		FUNCTION KEY		STATUS KEY		OPERATOR KEY		FEEDER LENGTH & DIAMETER GUIDANCE NOTES	
A=	ANTENNA GROUP (A–Z)	1=	SECTOR (2,3 etc)	NEW =	NEW ONTO SITE	VF =	VODAFONE	TOTAL DISTANCE MEASURED FROM MHA TO BTS CABINET. NOTE: FOR STREET POLES THE TOTAL IS TO INCLUDE THE 7⁄8 FEEDER (TEF) & 1⁄2 FEEDER (VFU21) PRE–RIGGED IN THE POLE. IF FEEDER DIAMETER VARIES THE LENGTHS ARE TO BE ITEMISED SEQUENTIALLY IN THE COLUMNS FROM THE ANTENNA MHA TO THE BTS AS FOLLOWS: MAIN FEEDER, MAIN FEEDER JUMPER 1, MAIN FEEDER JUMPER 2. TOTAL LENGTH	
1=	CELL No. (1, 2, 3)	U=	UMTS (G=GSM) (L=LTE)	EXISTING =	ON SITE AND NOT BEING MOVED	TEF =	TELEFONICA		
b=	UNIQUE BAND REFERENCE	21=	2100 BAND (09=0900,18=1800)	RE–USE =	ON SITE BUT BEING MOVED				
DISH	Dish (1–13)			REMOVE =	REMOVED FROM SITE				

SUPPORT STRUCTURE KEY						
EXISTING/ PROPOSED	HEIGHT	MANUFACTURER	TYPE	COLOUR/ FINISH	STATUS	COMMENTS
EXISTING	12.5m	HUTCHINSON ENG.	TELEGRAPH POLE	TIMBER EFFECT	REMOVE	–
PROPOSED	15.0m	HUTCHINSON ENG.	S2 LOW JUPITER SINGLE STACK	BROWN	NEW	–

EQUIPMENT KEY							
EXISTING/ PROPOSED	OPERATOR	MANUFACTURER	TYPE	SIZE (WxDxH)	COLOUR	STATUS	COMMENTS
EXISTING	TEF	NOKIA	DE34	1540x750x1400	GREY	REMOVE	–
PROPOSED	VF	HUAWEI	BTS3900AL	770x750x1925	GREEN	NEW	BBU & VF/TEF L800
PROPOSED	VF	ALIFABS	TSC	600x618x1415	GREEN	NEW	–

POWER SUPPLY/ SOURCE							
EXISTING/ PROPOSED	OPERATOR	MANUFACTURER	TYPE	SIZE (mm)	COLOUR	STATUS	COMMENTS
EXISTING	TEF	MALCOE	METER CABINET	1000x470x1000	GREY	REMAIN	THREE PHASE REC SUPPLY

TRANSMISSION ENCLOSURE				
EXISTING/PROPOSED	ENCLOSURE	U SPACE AVAILABLE	CURRENT BT/ TRANSMISSION LOCATION	PROPOSED MEAS LOCATION
EXISTING	DE34	4	X	–
PROPOSED	TSC	12	–	X

Notes:	
1 ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE	
N.G.R.	E: 335562 N: 354147
CONCESSION REQUIRED	YES
CONFIRMATION REQUIRED	YES

D	Site location and orientation corrected	GW	KC	15.08.14
C	Site operated amended to 02	KO	KC	28.05.14
B	New pole relocated to suit dish requirements	BB	PL	02.05.14
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REV	MODIFICATION	BY	CH	DATE

No: 58 Cygnet Court
Timothys Bridge Road
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Warks
CV37 9NW
Tel: 01789 206500





CTIL

Cell Name	Opt
GRESFORD	A
Cell ID No	
CTIL	Host Sharer
(CTIL)128673	(TEF)037349 (VF)86968

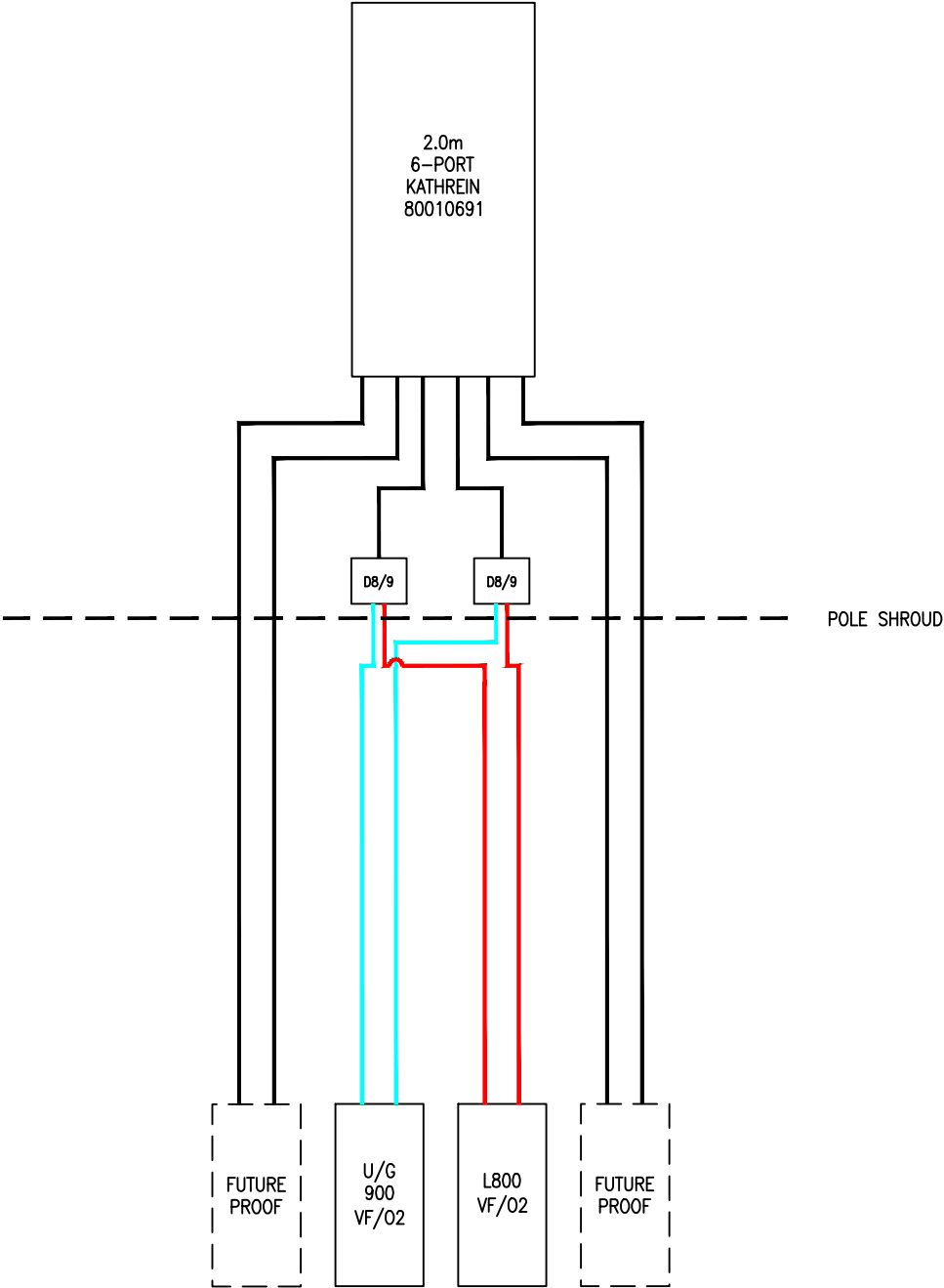
Site Address / Contact Details

GRESFORD BANK
VICARAGE LANE
GRESFORD
WREXHAM
LL12 8UT

Drawing Title:	EQUIPMENT SCHEDULES			
Purpose of issue:	PLANNING			
Drawing Number:	501			
Scale:	As Shown	Drawn:	BB	Date: 26.03.14
Checked:	PL	Date:	26.03.14	Issue: D
		Approved:	SR	Date: 26.03.14

Information on Significant Residual Risks		
Construction	Maintenance	Decommissioning
On the basis of information available to the designer at the time of design production, there are no unusual, unobvious or difficult to manage significant risks associated with this design	On the basis of information available to the designer at the time of design production, there are no unusual, unobvious or difficult to manage significant risks associated with this design	On the basis of information available to the designer at the time of design production, there are no unusual, unobvious or difficult to manage significant risks associated with this design

H – LOW CAPACITY RU LOW BAND ONLY
VOD S_UK_SRB_304_221 SINGLE STACK ANTENNA – CONCESSION ONLY
S2 LOW HUAWEI



RF SYSTEMS SCHEMATIC
NTS

Notes:
1 ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE

N.G.R. E: 335562 N: 354147

CONCESSION REQUIRED	YES
CONFIRMATION REQUIRED	YES

D	Site location and orientation corrected	GW	KC	15.08.14
C	Site operated amended to 02	KO	KC	28.05.14
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REV	MODIFICATION	BY	CH	DATE

No: 58 Cygnet Court
Timothys Bridge Road
Stratford-upon-Avon
Works
CV37 9NW
Tel: 01789 206500

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CTIL

Cell Name		Opt
GRESFORD		A
Cell ID No		
CTIL	Host	Sharer
(CTIL)128673	(TEF)037349	(VF)86968

Site Address / Contact Details

GRESFORD BANK
VICARAGE LANE
GRESFORD
WREXHAM
LL12 8UT

Drawing Title:		ANTENNA SCHEMATIC			
Purpose of issue:		PLANNING			
Drawing Number:		502			
Scale:		Drawn:	Date:	Issue:	
As Shown		BB	26.03.14		
Checked:	Date:	Approved:	Date:	D	
PL	26.03.14	SR	26.03.14		