

CONFIGURATION: TEF NSN - 3 SECTORS, 1 ANTENNAS, VF E/I - 3 SECTORS, 1 ANTENNAS
 RF CONFIG: LGD-N-M-E1d-F VOD CODE: MX4 OUTDOOR OPTION 1 - E_XRS_330_264
 EXISTING & PROPOSED ANTENNA SCHEDULE (EXISTING EQUIPMENT SHOWN GREY)

SECTOR	PROPOSED & EXISTING ANTENNAS	OPERATOR	FUNCTION	FEEDER/DC/FIBRE				MHA's/RRU's/BIAS T's/JUMPER'S/COMBINERS						ANTENNAS											
				LENGTH & DIAMETER (SEE GUIDANCE NOTES BELOW)	TYPE (COAX OR DC/FIBRE)	FEEDERS QTY	DC/FIBRE QTY	MHA NSN QTY	MHA ESSON 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, 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	
SECTOR 1	PROPOSED ANTENNA	TEF	1L08	20m (f)	COAX	4	-	M1	-	1	-	2m	C1	C3	A1a	COMMSCOPE CV2ZNPX308.208R	0	15.00	12.93	13.96	POLE MOUNT	NEW	-		
		TEF	1U09	20m (f)	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		TEF	1L18	20m (f)	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		TEF	1U21	20m (f)	COAX	-	-	-	-	M1	-	-	2m	-	-	-	A1b	COMMSCOPE RVPXP308.14R3	0	15.00	12.93	13.96	POLE MOUNT	NEW	-
		VF	1GU09	20m (f)	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		VF	1U21	20m (f)	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SECTOR 2	PROPOSED ANTENNA	TEF	2L08	20m (f)	COAX	4	-	M1	-	1	-	2m	C1	C3	B1a	COMMSCOPE CV2ZNPX308.208R	120	15.00	12.93	13.96	POLE MOUNT	NEW	-		
		TEF	2U09	20m (f)	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		TEF	2L18	20m (f)	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		TEF	2U21	20m (f)	COAX	-	-	-	-	M1	-	-	2m	-	-	-	B1b	COMMSCOPE RVPXP308.14R3	120	15.00	12.93	13.96	POLE MOUNT	NEW	-
		VF	2GU09	20m (f)	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		VF	2U21	20m (f)	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SECTOR 3	PROPOSED ANTENNA	VF	3U21	20m (f)	COAX	-	-	-	-	-	-	2m	-	-	-	-	-	-	-	-	-	-	-	-	
		TEF	3L08	20m (f)	COAX	4	-	M1	-	1	-	2m	C1	C3	C1a	COMMSCOPE CV2ZNPX308.208R	240	15.00	12.93	13.96	POLE MOUNT	NEW	-		
		TEF	3U09	20m (f)	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		TEF	3L18	20m (f)	COAX	-	-	-	-	M1	-	-	2m	-	-	-	-	-	-	-	-	-	-	-	-
		VF	3GU09	20m (f)	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		VF	3U21	20m (f)	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

EQUIPMENT SCHEDULE

STATUS	OPERATOR	MANUFACTURER	TYPE	SIZE	COLOUR	COMMENTS
PROPOSED	TEF	NSN	FLATPACK RACK	600x600x2000	GREY	(2NO UNITS) TO HOUSE TEF FLEXI MODULES
PROPOSED	TEF	TFL	JSC	600x600x1415	GREY	PROVIDE DC POWER TEF FLEXI MODULES
PROPOSED	VF	TFL	CSC	800x770x1770	GREY	TO PROVIDE DC POWER TO VF RRU's/ERS's
PROPOSED	VF	TFL	RRU CABINET	600x600x2000	GREY	TO HOUSE VF RRUS
PROPOSED	VF	TFL	ERS CABINET	600x600x2000	GREY	TO HOUSE VF ERSS

SUPPORT STRUCTURE KEY

STATUS	HEIGHT	MANUFACTURER	TYPE	COLOUR/FINISH	COMMENTS
PROPOSED	15m	SWANN	1003 TRIANGULAR LATTICE TOWER	STANDARD	-

POWER SUPPLY SOURCE

STATUS	OPERATOR	MANUFACTURER	TYPE	SIZE	COLOUR	COMMENTS
PROPOSED	TEF	TFL	METER CABINET	655x255x1015	GREY	SINGLE PHASE REC SUPPLY

TRANSMISSION ENCLOSURE

STATUS	ENCLOSURE	MICROWAVE ONLY/FIBRE ONLY (WITH PROVIDER NAME)/MICROWAVE + FIBRE (WITH PROVIDER NAME)	TRANSMISSION SOLUTION	U SPACE AVAILABLE	CURRENT TRANSMISSION KIT LOCATION	PROPOSED TRANSMISSION KIT LOCATION	COMMENTS
PROPOSED	JSC	MICROWAVE ONLY (WITH PROVIDER NAME)	FIBRE (BT)	14	-	X	-


ANTENNA REFERENCE KEY

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 FEEDER (TEF) & J FEEDER (VF/U21) 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= UMS (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	-	

GENERAL NOTES:
 1.1) USE WRITTEN DIMENSIONS ONLY
 1.2) ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED
 1.3) ASSUME ALL SITE DETAILS ARE EXISTING UNLESS SPECIFIED

REV	ISSUE	DATE	DRN	APP
C	TOWER HEIGHT REVISED	06/12/16	NP	GD
B	ELEVATION VIEW AMENDED	21/11/16	NP	GD
A	FIRST ISSUE	03/11/16	NP	GD

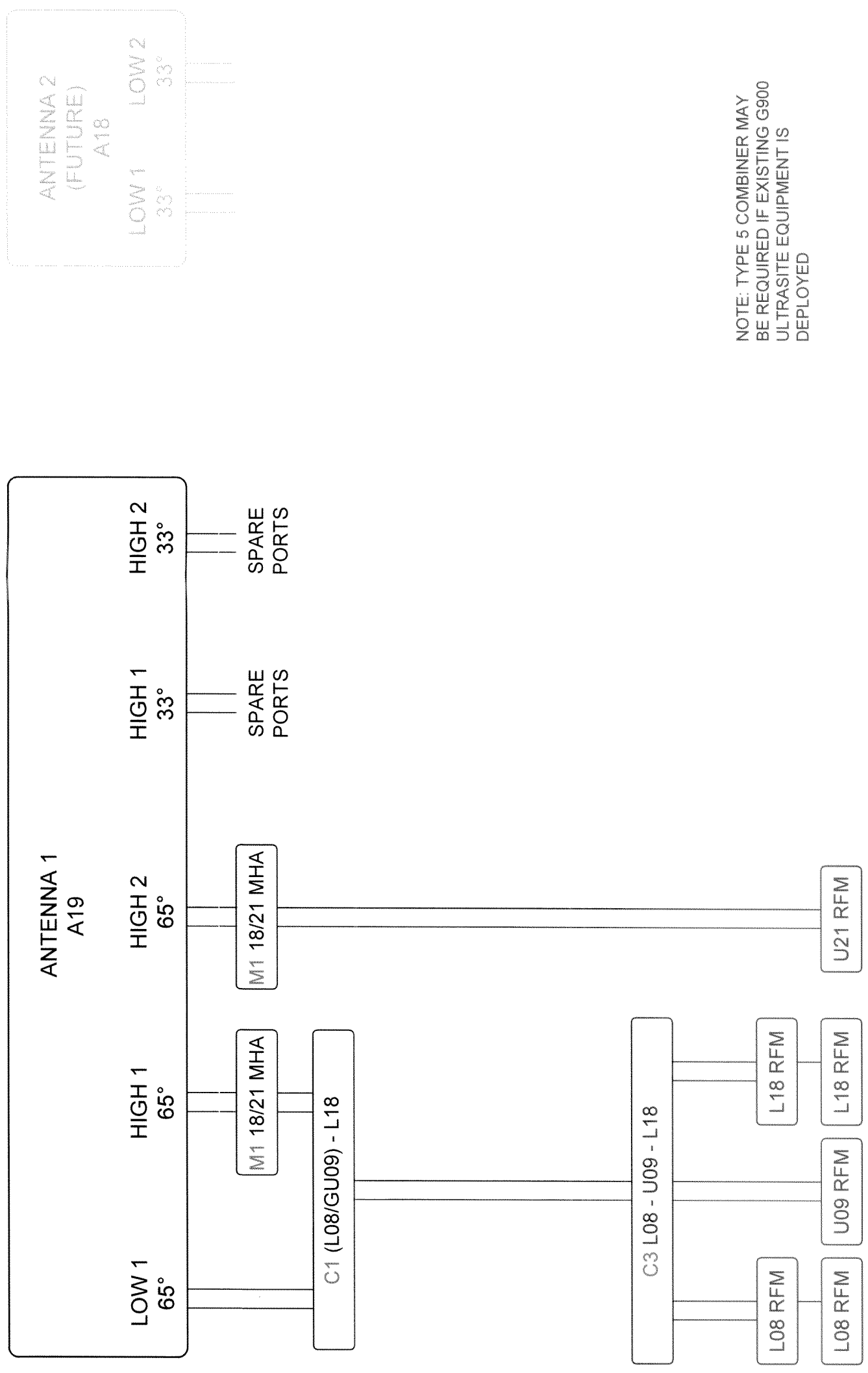
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OPERATOR REF NO: CTIL0150140 TEF:71883 VF:87676
 OPERATOR: CTIL
 DRAWING TITLE: ANTENNA AND EQUIPMENT SCHEDULE PROPOSED
 SCALE: N/A
 SITE NO: 71883
 SITE NAME: BLACKBURN ROAD
 SITE ADDRESS: WEST HAMPSTEAD STATION
 BLACKBURN ROAD
 WEST HAMPSTEAD
 LONDON NW6 2LS
 OS GRID REFERENCE: 525706/184688
 DRAWN: NP CHK: GD APP: GD
 DATE: 03/11/16
 SITE NO: 71883 OPERATOR: CTIL DRG NO: 501 REVISION: C
 ORIGINAL DRAWING SIZE: A3

LGD-N-M-E1d-F



NOTE: TYPE 5 COMBINER MAY BE REQUIRED IF EXISTING G900 ULTRASITE EQUIPMENT IS DEPLOYED

TEF ANTENNA SCHEMATICS (N.T.S)

GENERAL NOTES:

- 1.1) USE WRITTEN DIMENSIONS ONLY
- 1.2) ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED
- 1.3) ASSUME ALL SITE DETAILS ARE EXISTING UNLESS SPECIFIED

C	TOWER HEIGHT REVISED	06.12.16	NP	GD	
B	ELEVATION VIEW AMENDED	23.11.16	NP	GD	
A	FIRST ISSUE	03.11.16	NP	GD	
REV	ISSUE	DATE	DRN	APP	

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 CTIL

OPERATOR REF NO:	CTILid:150140	TEF:71883	VF:87676
OPERATOR:	CTIL		
DRAWING TITLE:	TEF ANTENNA SCHEMATICS PROPOSED		
SCALE:	N/A		
SITE NO.:	71883		
SITE NAME:	BLACKBURN ROAD		
SITE ADDRESS:	WEST HAMPSTEAD STATION BLACKBURN ROAD WEST HAMPSTEAD LONDON NW6 2LS		
OS GRID REFERENCE:	525706/184688		
DRAWN:	NP	CHK:	GD
DATE:	03.11.16		
SITE NO.:	71883	OPERATOR:	CTIL
DRG NO.:	502	REVISION:	C

ORIGINAL DRAWING SIZE: A3