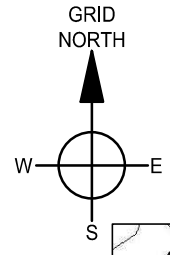


THESE DRAWINGS COMPLY WITH STANDARD ICNIRP DESIGN GUIDELINES.  
 ANTENNAS MEET PUBLIC ICNIRP EXPOSURE GUIDELINES. WITH REGARDS TO OCCUPATIONAL ICNIRP GUIDELINES, IF STAFF/CONTRACTORS NEED TO WORK WITHIN 0.7m OF TRANSMITTING ANTENNAS THEN THE SITE WILL BE REQUIRED TO BE SHUT DOWN VIA SITESHUTDOWN@VODAFONE.COM

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SITE LOCATION



SITE LOCATION (SCALE 1:1250)

SITE LOCATION



SITE LOCATION (SCALE 1:50000)

REV	ISSUE	DATE	DRN	APP
D	VF REQUIREMENTS ADDED. TEF DEMAND AMENDED	02.03.16	GB	GD
C	SCHEMATIC AMENDED AND SCHEDULE ADDED	12.01.16	NP	GD
B	GENERAL UPDATES	08.01.16	NP	GD
A	FIRST ISSUE	22.12.15	GB	GD

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CTIL

OPERATOR REF NO. CTILid:208374 VF:12680 TEF:78787

OPERATOR: CTIL

DRAWING TITLE: SITE LOCATION MAPS

SCALE: AS SHOWN

SITE NO. 208374

SITE NAME: GOODGE STREET TUBE STATION

SITE ADDRESS: 75 TOTTENHAM COURT ROAD FITZROVIA LONDON W1T 2HF

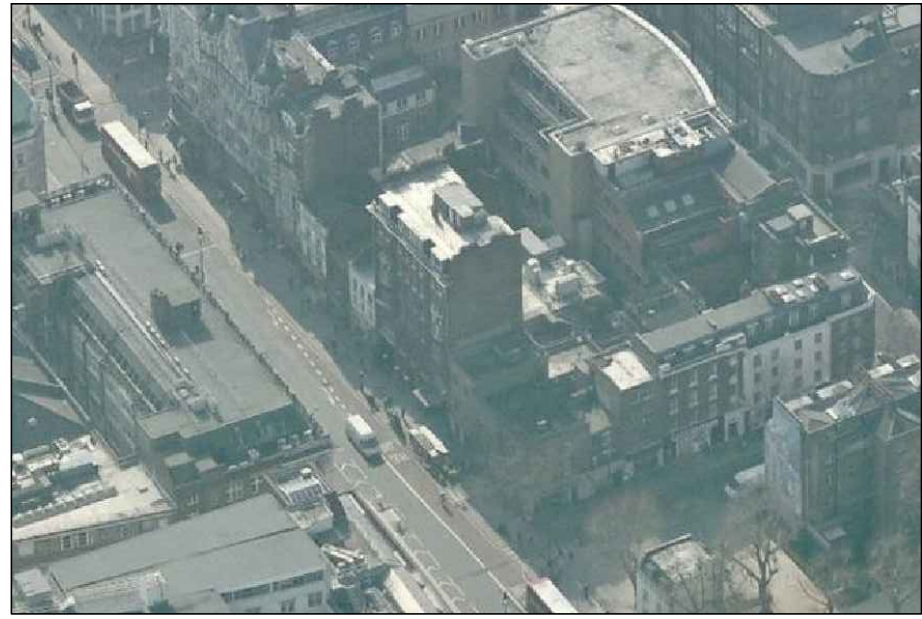
OS GRID REFERENCE: 529521/181839

DRAWN: GB CHK: GD APP: GD

DATE: 22.12.15

SITE NO.	OPERATOR	DRG NO.	REVISION
208374	- CTIL -	100	- D

ORIGINAL DRAWING SIZE: A3



LOCATION PHOTOGRAPH

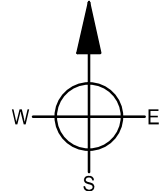
**DIRECTIONS TO SITE:**

**HEADING SOUTH ON M1**

AT JUNCTION 1 TAKE SLIPROAD LEFT TO A406 TOWARDS BRENT CROSS / C.LONDON. AFTER 0.5 TAKE SLIPROAD LEFT. AT ROUNDABOUT TAKE 3RD EXIT. KEEP STRAIGHT ON TO BRENTFIELD GARDENS. KEEP STRAIGHT ON TO A41 (HENDON WAY). AFTER 2.8 MILES KEEP LEFT TO STAY ON A41. KEEP STRAIGHT ON TO B525 (AVENUE ROAD). AFTER 0.7 MILE TURN RIGHT ONTO A5205 (PRINCE ALBERT ROAD). TURN LEFT ONTO A41 (PARK ROAD). AFTER 0.5 MILE KEEP LEFT ONTO PARK ROAD. TURN RIGHT ONTO A501 MARYLEBONE ROAD AFTER 0.2 MILE. TURN RIGHT ONTO HARLEY STREET AFTER 0.3 MILE. TURN LEFT AFTER 0.2 MILE ONTO WEYMOUTH STREET. TURN RIGHT ONTO A4201 (PORTLAND PLACE) AFTER 0.1 MILE. TURN LEFT AFTER 0.3 MILE ONTO A5204 (MORTIMER STREET). TURN LEFT ONTO TOTTENHAM COURT ROAD AFTER 0.4 MILE. SITE IS LOCATED ON LEFT AFTER APPROX 50m.

ALL MAPS OBTAINED VIA PROMAP.  
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GRID NORTH



0 2m 4m 6m 8m 10m

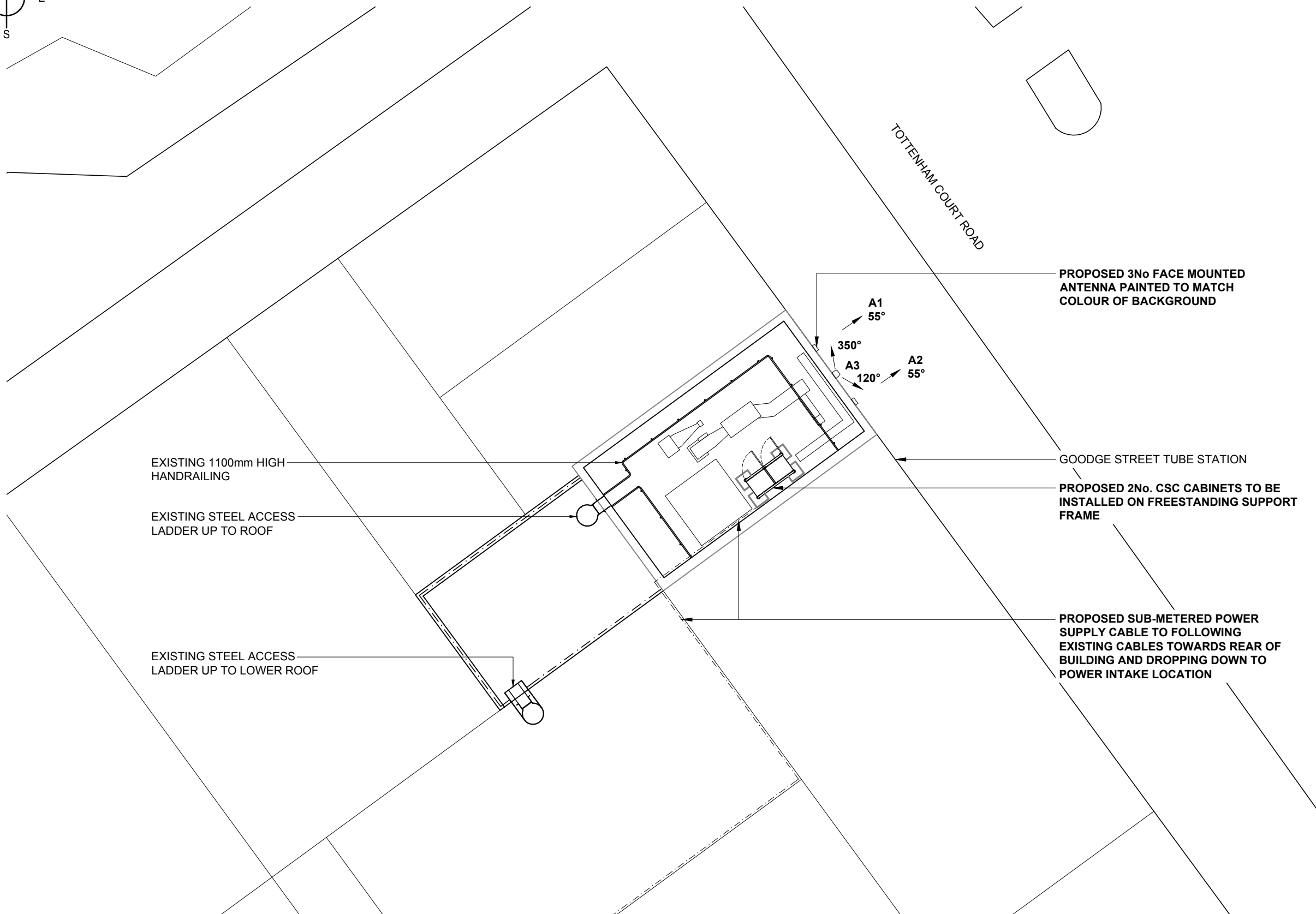
SCALE 1:150

THESE DRAWINGS COMPLY WITH STANDARD ICNIRP DESIGN GUIDELINES.

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PROPOSED SITE LAYOUT PLAN (SCALE 1:150)

REV	ISSUE	DATE	DRN	APP
D	VF REQUIREMENTS ADDED. TEF DEMAND AMENDED	02.03.16	GB	GD
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CTIL

OPERATOR REF NO. CTILid:208374 VF:12680 TEF:78787

OPERATOR: CTIL

DRAWING TITLE: SITE LAYOUT PLAN PROPOSED

SCALE: 1:150

SITE NO. 208374

SITE NAME: GOODGE STREET TUBE STATION

SITE ADDRESS: 75 TOTTENHAM COURT ROAD FITZROVIA LONDON W1T 2HF

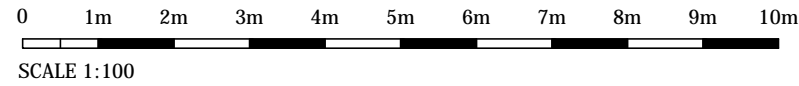
OS GRID REFERENCE: 529521/181839

DRAWN: GB CHK: GD APP: GD

DATE: 22.12.15

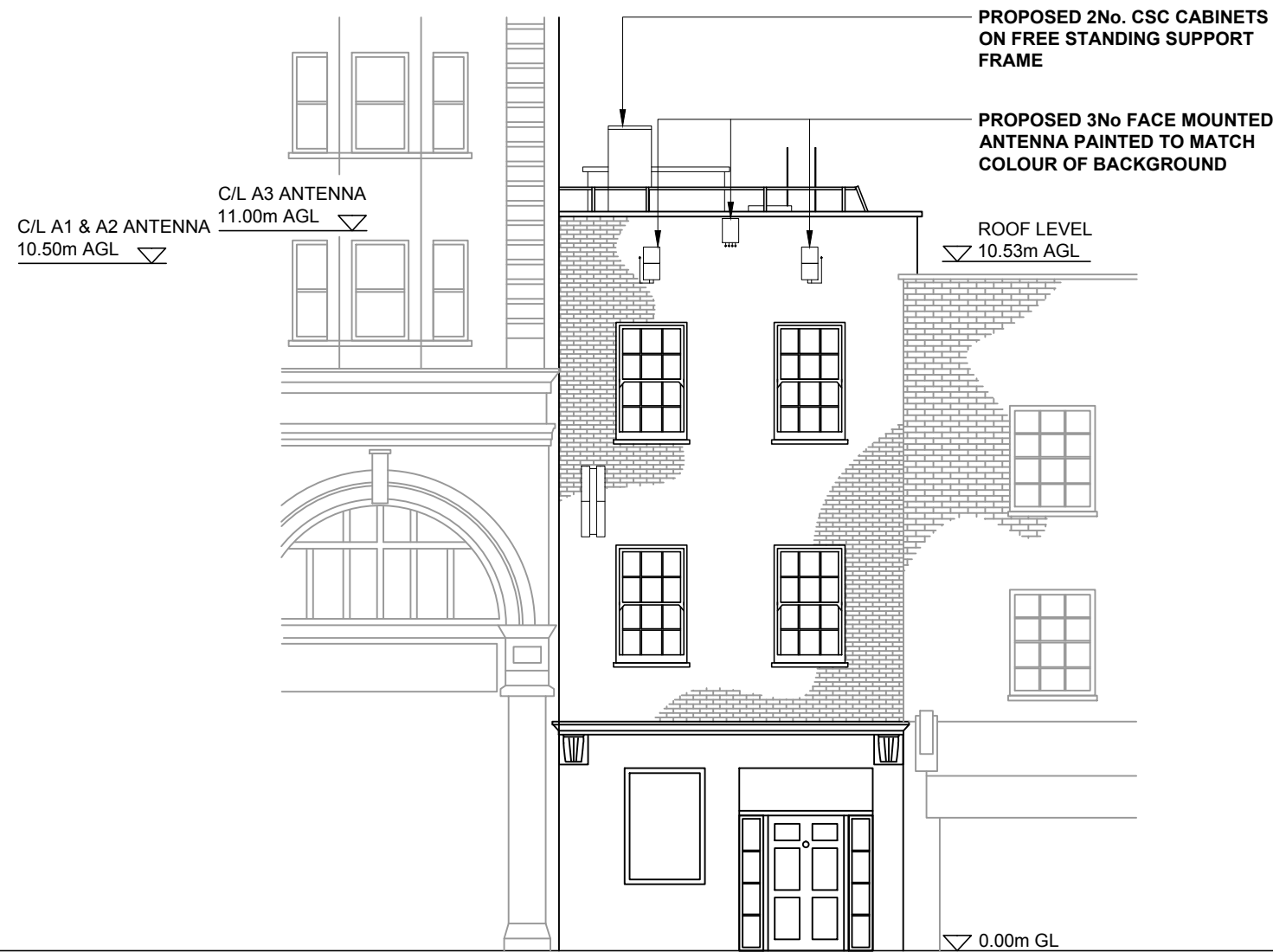
SITE NO.	OPERATOR	DRG NO.	REVISION
208374	- CTIL -	201	- D

ORIGINAL DRAWING SIZE: A3



THESE DRAWINGS COMPLY WITH STANDARD ICNIRP DESIGN GUIDELINES.  
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**PROPOSED NORTH-EAST ELEVATION (SCALE 1:100)**

REV	ISSUE	DATE	DRN	APP
D	VF REQUIREMENTS ADDED. TEF DEMAND AMENDED	02.03.16	GB	GD
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CTIL

OPERATOR REF NO. CTILid:208374 VF:12680 TEF:78787

OPERATOR: CTIL

DRAWING TITLE: NORTH-EAST ELEVATION PROPOSED

SCALE: 1:100

SITE NO. 208374

SITE NAME: GOODGE STREET TUBE STATION

SITE ADDRESS: 75 TOTTENHAM COURT ROAD FITZROVIA LONDON W1T 2HF

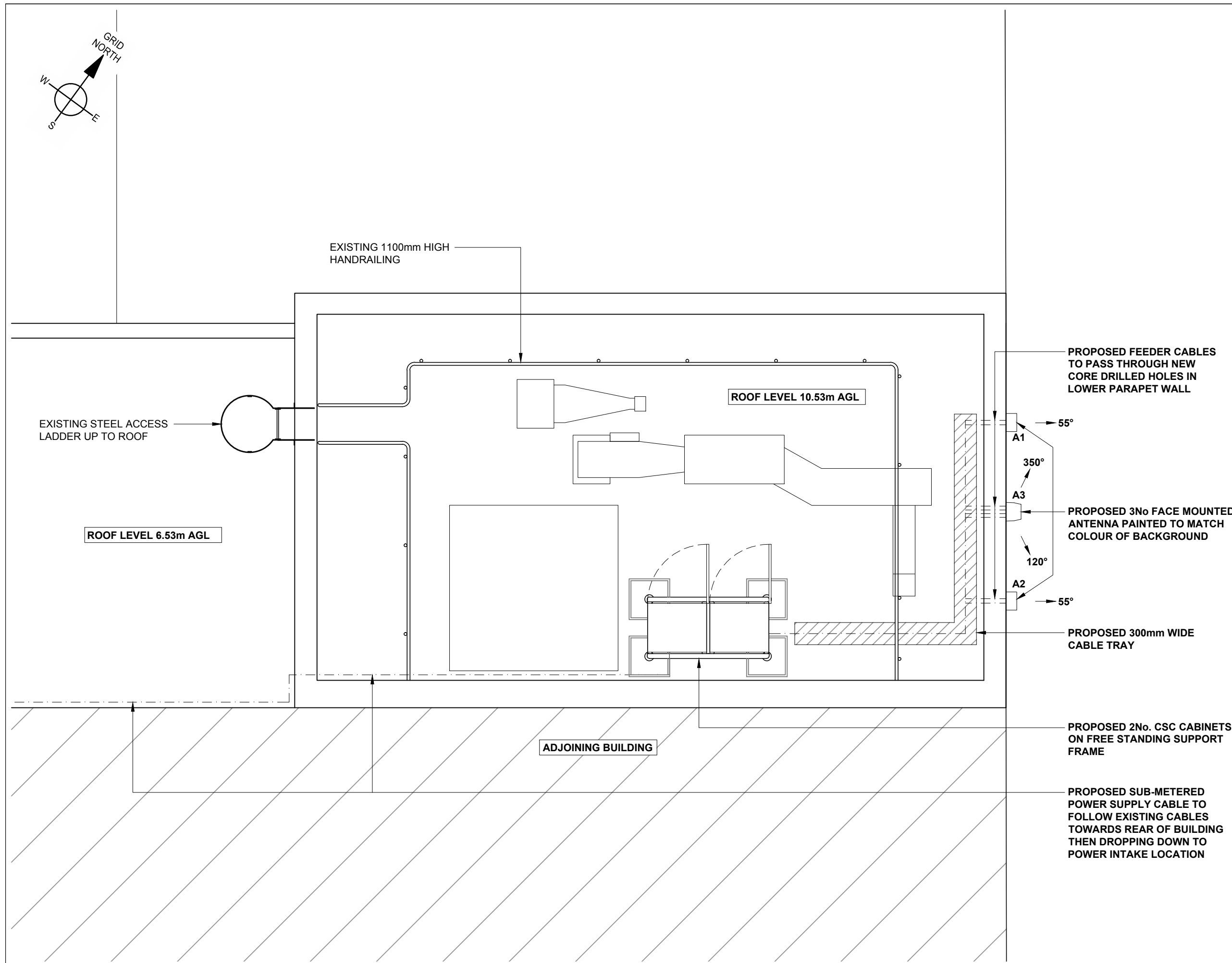
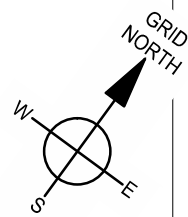
OS GRID REFERENCE: 529521/181839

DRAWN: GB CHK: GD APP: GD

DATE: 22.12.15

SITE NO.	OPERATOR	DRG NO.	REVISION
208374	- CTIL -	301	- D

ORIGINAL DRAWING SIZE: A3



**PROPOSED EQUIPMENT PLAN (SCALE 1:50)**

**GENERAL NOTES:**

- 1.1) USE WRITTEN DIMENSIONS ONLY
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REV	ISSUE	DATE	DRN	APP
D	VF REQUIREMENTS ADDED, TEF DEMAND AMENDED	02.03.16	GB	GD
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CTIL

OPERATOR REF NO. CTILid:208374 VF:12680 TEF:78787

OPERATOR: CTIL

DRAWING TITLE: EQUIPMENT PLAN PROPOSED

SCALE: 1:50

SITE NO. 208374

SITE NAME: GOODGE STREET TUBE STATION

SITE ADDRESS: 75 TOTTENHAM COURT ROAD FITZROVIA LONDON W1T 2HF

OS GRID REFERENCE: 529521/181839

DRAWN: GB CHK: GD APP: GD

DATE: 22.12.15

SITE NO.	OPERATOR	DRG NO.	REVISION
208374	- CTIL -	401	- D

ORIGINAL DRAWING SIZE: A3

CONFIGURATION: TEF NSN - 1 SECTORS, 1 ANTENNAS ; VF E/// 1 SECTOR, 2 ANTENNAS RF CONFIG: LGD-MC-J3a L-MC-KIT1

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)				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	EXTNG	PROP																				
SECTOR 1 PROPOSED ANTENNA	VF	1U21	-	1m (1/2")	-	-	FIBRE	-	-	1	10m	-	-	-	-	-	-	-	-	A1	mRRU WITH INTERGRATED ANTENNA	55	-	-	10.50	FACE MOUNT	NEW	-
	VF	1L26	-	1m (1/2")	-	-	FIBRE	-	-	1	10m	-	-	-	-	-	-	-	-	A2	mRRU WITH INTERGRATED ANTENNA	55	-	-	10.50	FACE MOUNT	NEW	-
	TEF	1U21	9m (3/4")	1m (1/2")	-	10m	COAX	-	4	-	-	-	-	-	-	-	-	-	-	A3	AMPHENOL 6172000	350 120	11.18	10.82	11.00	FACE MOUNT	NEW	-

EQUIPMENT SCHEDULE

STATUS	OPERATOR	MANUFACTURER	TYPE	SIZE	COLOUR	COMMENTS
PROPOSED	TEF/VF	TFL	CSC x 2	800x660x1710	STANDARD	TO HOUSE TRANSMISSION, PROVIDE DC POWER TO TEF FLEXI MODULES
PROPOSED	TEF	NSN	FLEXI BTS	560x490x625	STANDARD	TO BE HOUSED IN CSC (TEF)
PROPOSED	TEF	ERICSSON	RBS 6601	-	STANDARD	TO BE HOUSED IN CSC (VF)

POWER SUPPLY SOURCE

STATUS	OPERATOR	MANUFACTURER	TYPE	SIZE	COLOUR	COMMENTS
PROPOSED	-	-	-	-	-	NEW SINGLE PHASE SUB-METERED LANDLORD LANDLORD SUPPLY

TRANSMISSION ENCLOSURE

STATUS	ENCLOSURE	TRANSMISSION SOLUTION MICROWAVE ONLY/FIBRE ONLY (WITH PROVIDER NAME)/ MICROWAVE + FIBRE (WITH PROVIDER NAME)	U SPACE AVAILABLE	CURRENT TRANSMISSION KIT LOCATION	PROPOSED TRANSMISSION KIT LOCATION	COMMENTS	TRANSMISSION INTER-CABINET CABLING			
							CABLE TYPE	CABLE LENGTH	RADIO CONNECTION	TRANSMISSION CONNECTION
PROPOSED	JSC	FIBRE (BT)	14	-	X	-	16 CORE COAX	6m	SMB SOCKET	BNC PLUG

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CTIL

OPERATOR REF NO. CTILid:208374 VF:12680 TEF:78787

OPERATOR: CTIL

DRAWING TITLE: ANTENNA AND EQUIPMENT SCHEDULE PROPOSED

SCALE: N/A

SITE NO. 208374

SITE NAME: GOODGE STREET TUBE STATION

SITE ADDRESS: 75 TOTTENHAM COURT ROAD FITZROVIA LONDON W1T 2HF

OS GRID REFERENCE: 529521/181839

DRAWN: GB CHK: GD APP: GD

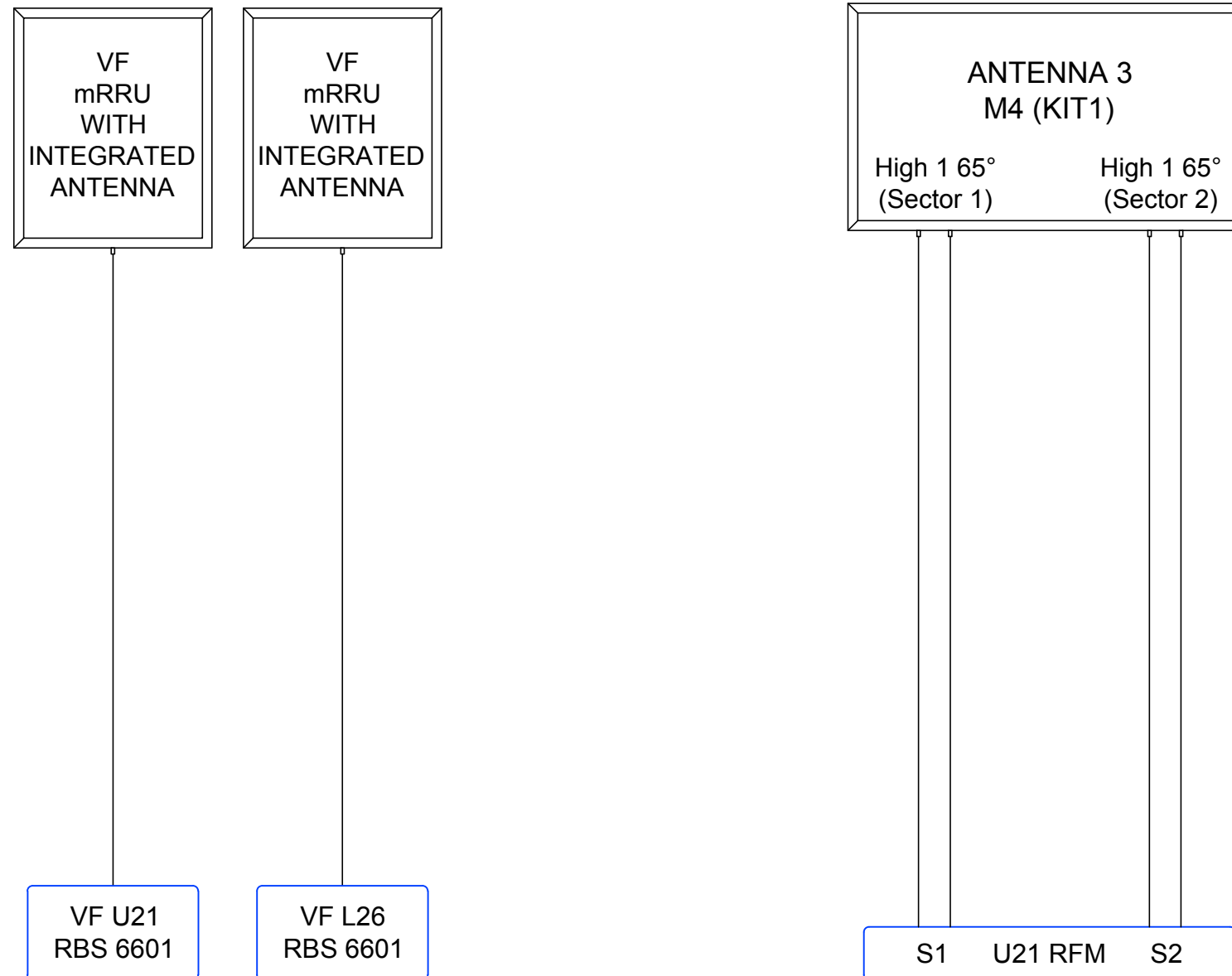
DATE: 22.12.15

SITE NO.	OPERATOR	DRG NO.	REVISION
208374	- CTIL -	501	- D

ORIGINAL DRAWING SIZE: A3

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 1/2 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				

LONDON GENERAL DESIGN  
LGD-MC-J3a L-MC-KIT1



ANTENNA SCHEMATIC

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CTIL

OPERATOR REF NO. CTILid:208374 VF-12680 TEF:78787

OPERATOR: CTIL

DRAWING TITLE: ANTENNA SCHEMATIC  
PROPOSED

SCALE: N/A

SITE NO. 208374

SITE NAME: GOODGE STREET  
TUBE STATION

SITE ADDRESS: 75 TOTTENHAM COURT ROAD  
FITZROVIA  
LONDON  
W1T 2HF

OS GRID REFERENCE:  
529521/181839

DRAWN: GB CHK: GD APP: GD

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SITE NO.	OPERATOR	DRG NO.	REVISION
208374	- CTIL -	502	- D

ORIGINAL DRAWING SIZE: A3