

PROPOSED SITE PLAN (1:100)

Drawn: MF	Date: 26.04.19	Checked: RWB	Date: 26.04.19	Original Sheet Size: A3	Issue: B
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FOR SITE DESIGN DEPENDENCIES REFER TO DRAWING 502

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R E: 468613 N: 174231

CONCESSION REQUIRED		N0
DUCT KEY		
---	EXISTING 100% POWER	
---	EXISTING 100% COMMS	
---	EXISTING 150% FEEDER	
---	EXISTING 100% INCOMING*	
---	PROPOSED 100% POWER	
---	PROPOSED 100% COMMS	
---	PROPOSED 150% FEEDER	
---	PROPOSED 100% POKE-OUT*	

*INCOMING AND POKE-OUT DUCTS TO BE COLOURED BY DUCT TYPE (POWER/COMMS/FEEDER)

EXISTING U/G SERVICES KEY	
---	POWER LINE HV
---	POWER LINE LV
---	POWER LINE UNIDENTIFIED
---	GAS LOW PRESSURE
---	GAS MEDIUM PRESSURE
---	GAS HIGH PRESSURE
---	POTABLE WATER
---	FOUL SEWER
---	COMBINED SEWER
---	SURFACE WATER SEWER
---	TELECOM
---	CABLE
---	ABANDONED PIPE
---	UNIDENTIFIED

REV	MODIFICATION	BY	CH	DATE
B	Layout Amended	MF	RWB	14.12.20
A	Issued for Approval	MF	RWB	19.11.20



WOLVEY - HINCKLEY - LEICESTERSHIRE - LE10 3JF
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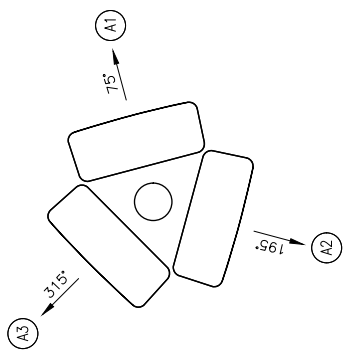
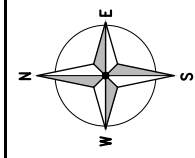


CTIL - BEACON

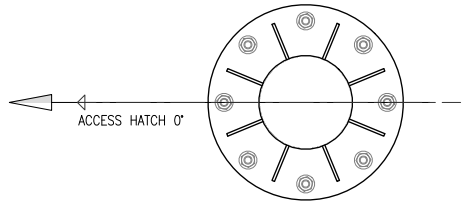
Cell Name		Opt
OXFORD ROAD		A
Cell ID No		
CTIL	TEF	VF
30452900	N/A	20716

Site Address / Contact Details
OXFORD ROAD
READING
BERKSHIRE
RG30 6YD

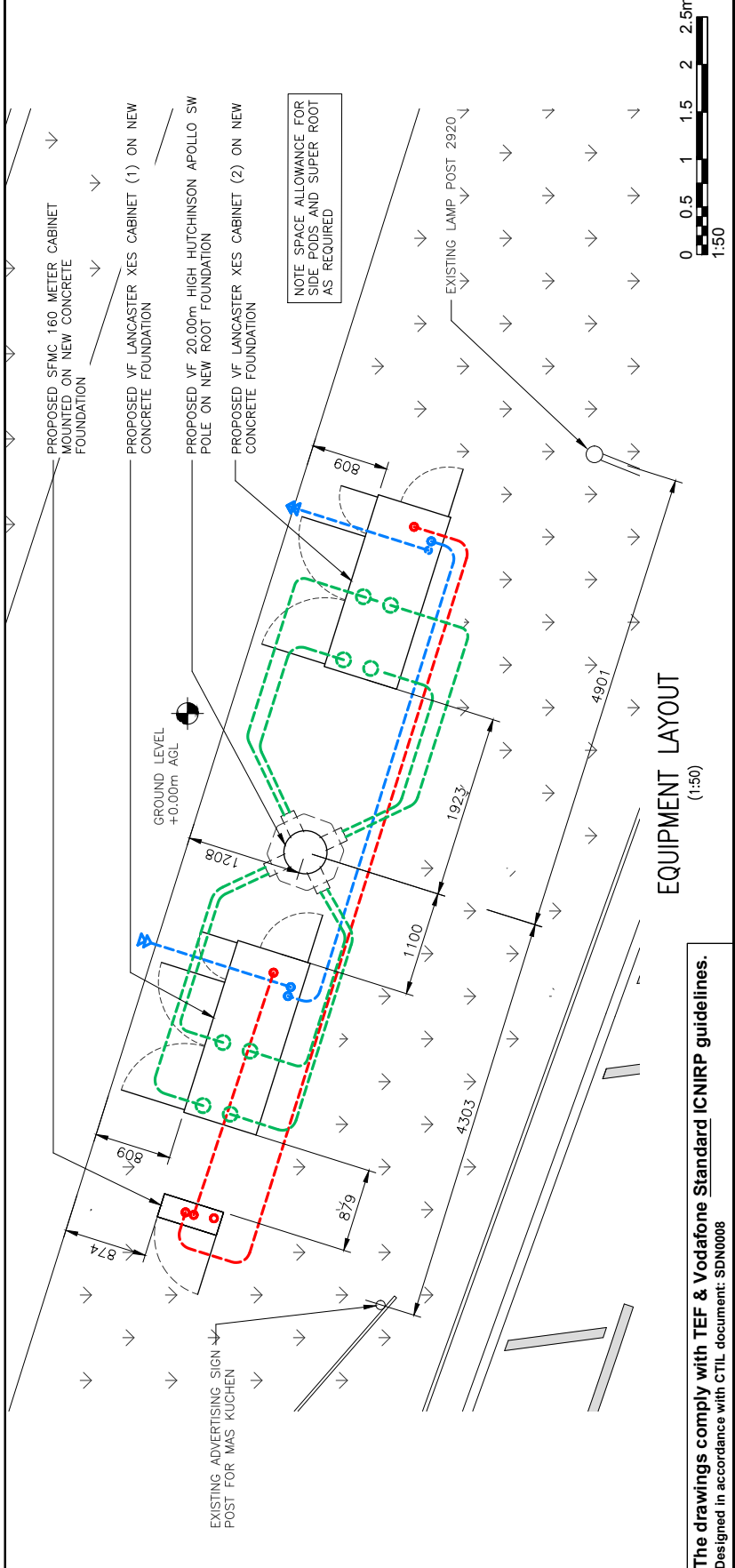
Drawing Title		ANTENNA PLAN/EQUIPMENT LAYOUT
Purpose of Issue		PLANNING
Drawing Number		400
Surveyed By		MF
Drawn		MF
Date		26.04.19
Checked		RWB
Date		26.04.19
Original Sheet Size		A3
Pack Issue		B



PROPOSED ANTENNA PLAN
(1:20)



ACCESS HATCH ORIENTATION
(1:20)



EQUIPMENT LAYOUT
(1:50)

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

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R. E: 468613 N: 174231

CONCESSION REQUIRED NO

NOTICE: ICNIRP ZONE INFORMATION

DOCUMENT REF. SELECT v4.0

ICNIRP DOCUMENT SECTION 8.4.3

800 ✓ 2100 ✓

900 ✓ 2300 NO

1400 NO 2600 NO

1800 ✓ 3400 NO

OCCUPATIONAL ICNIRP ZONE

OCCUPATIONAL EXCL. ZONE (A) 7.00m

OCCUPATIONAL BUILD HGT. (B) 3.00m

60°

4°

Layout Amended MF RWB 14.12.20

As Issued for Approval MF RWB 19.11.20

REV

MODIFICATION

BY

CH

DATE

GallifordTry

WOLVEY - HINCKLEY - LEICESTERSHIRE - LE10 3JF

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vodafone

CTIL - BEACON

Cell Name

Opt.

OXFORD ROAD

A

Cell ID No

VF

30452900

N/A

20716

Site Address / Contact Details

OXFORD ROAD

READING

BERKSHIRE

RG30 6YD

Drawing Title

OCCUPATIONAL ICNIRP EXCLUSION ZONE PLAN

Purpose of Issue:

PLANNING

Dwg Rev:

450

Drawing Number:

B

Surveyed By

Original Sheet Size:

MF A3

Drawn

Date

Checked

Date

RWB

26.04.19

26.04.19

B

N

E

S

W

GRASS

PAVEMENT

GRASS

EXISTING 11.00m HIGH LAMPOST (30 MPH)

OXFORD ROAD (30 MPH)

0

1

2

3

4

5m

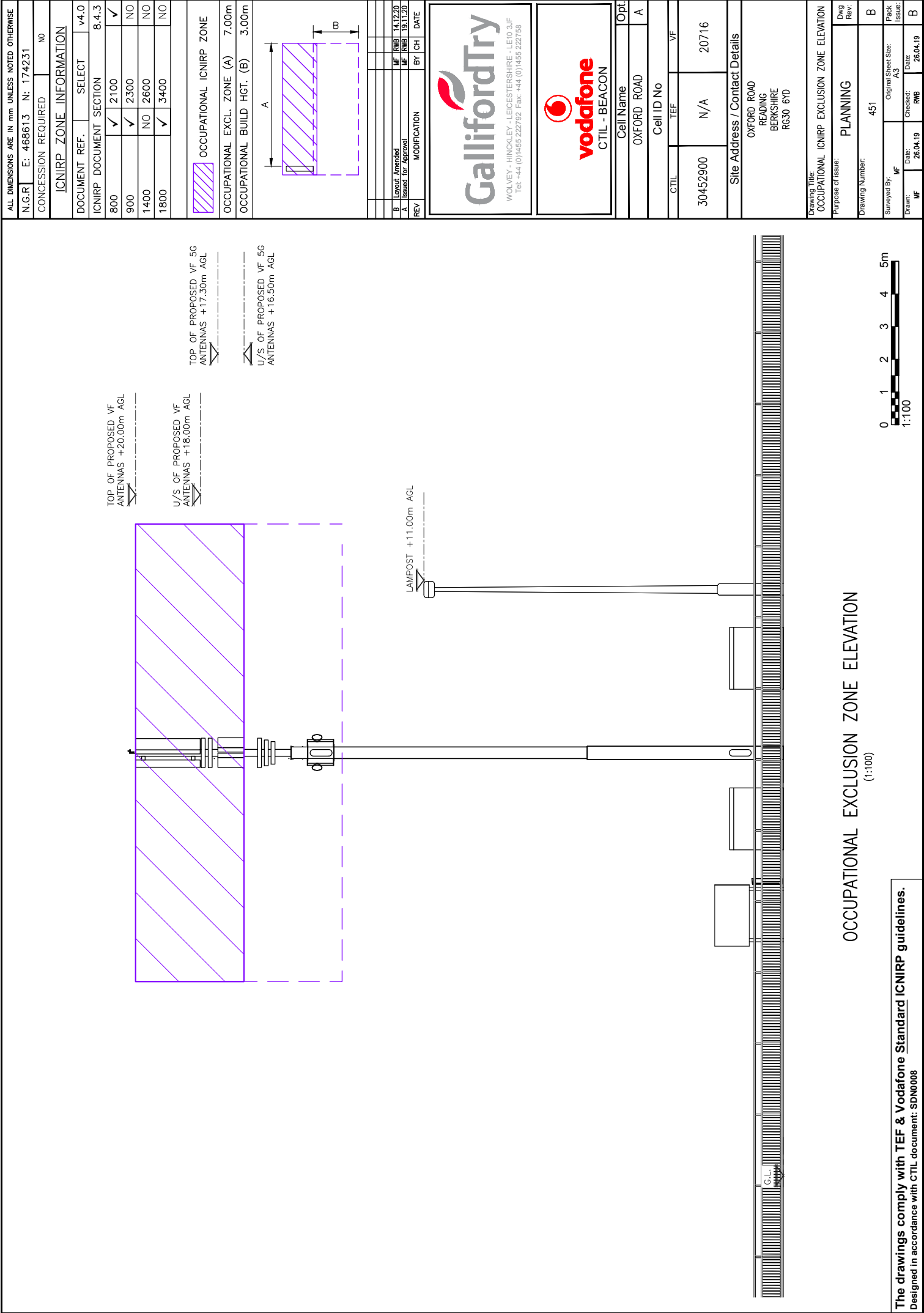
1:100

OCCUPATIONAL EXCLUSION ZONE PLAN

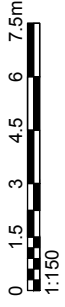
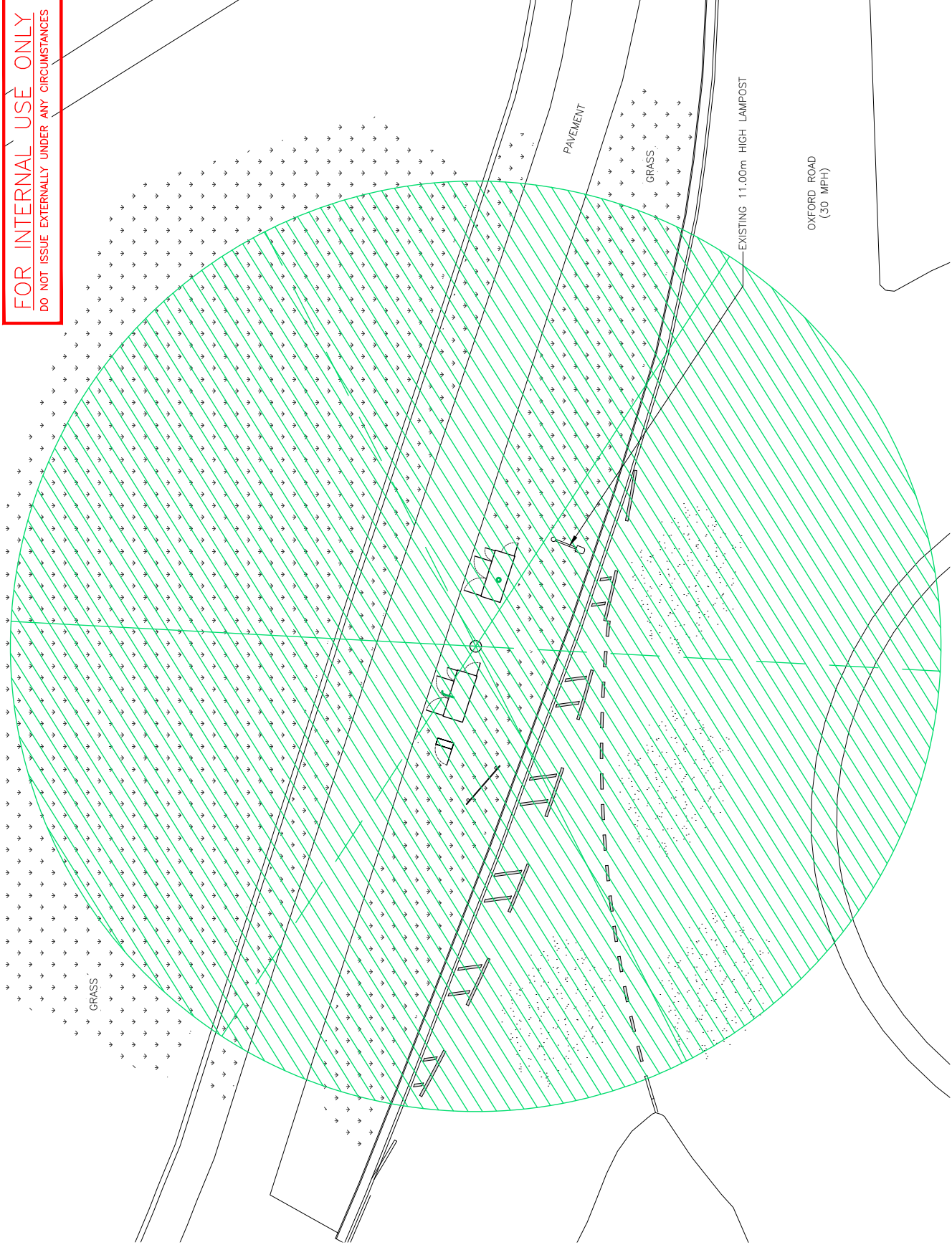
(1:100)

The drawings comply with TEF & Vodafone Standard ICNIRP guidelines.

Designed in accordance with CTIL document: SDN0008



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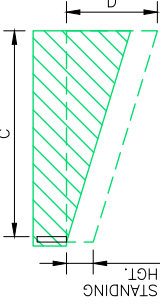
PUBLIC EXCLUSION ZONE PLAN
(1:150)

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

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE	
N.G.R. E: 468613 N: 174231	CONCESSION REQUIRED NO
NOTES: ICNIRP ZONE INFORMATION	
DOCUMENT REF. SELECT v4.0	ICNIRP DOCUMENT SECTION 8.4.3
800 ✓ 2100	✓
900 ✓ 2300	NO
1400 NO 2600	NO
1800 ✓ 3400	NO
PUBLIC ICNIRP ZONE	
PUBLIC EXCL. ZONE (C) 18.21m	
PUBLIC BUILD HGT. (D) 12.19m	
B Layout Amended MF RWB 14.12.20	
A Based for Approval MF RWB 19.11.20	
REV	MODIFICATION BY CH DATE
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vodafone CTIL - BEACON	
Cell Name OXFORD ROAD	
Cell ID No	
CTIL	TEF VF
30452900	N/A 20716
Site Address / Contact Details	
OXFORD ROAD READING BERKSHIRE RG30 6YD	
Drawing Title PUBLIC ICNIRP EXCLUSION ZONE PLAN	
Purpose of Issue: PLANNING	
Drawing Number: 452	
Surveyed By MF	Original Sheet Size: A3
Drawn: MF	Checked: RWB Date: 26.04.19
Pack Issue: B	

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ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E: 468613	N: 174231
CONCESSION REQUIRED		NO
ICNIRP_ZONE INFORMATION		
DOCUMENT REF.	SELECT	v4.0
ICNIRP DOCUMENT SECTION	8.4.3	
800	✓	2100
900	✓	2300
1400	NO	2600
1800	✓	3400
PUBLIC ICNIRP_ZONE		
PUBLIC EXCL_ZONE (C)		
PUBLIC BUILD HGT. (D)		12.19m
PUBLIC EXCL_ZONE (C)		18.21m
		
B Layout Amended MF RMB 14.12.20		
A Based for Approval MF RMB 19.11.20		
REV	MODIFICATION	BY CH DATE



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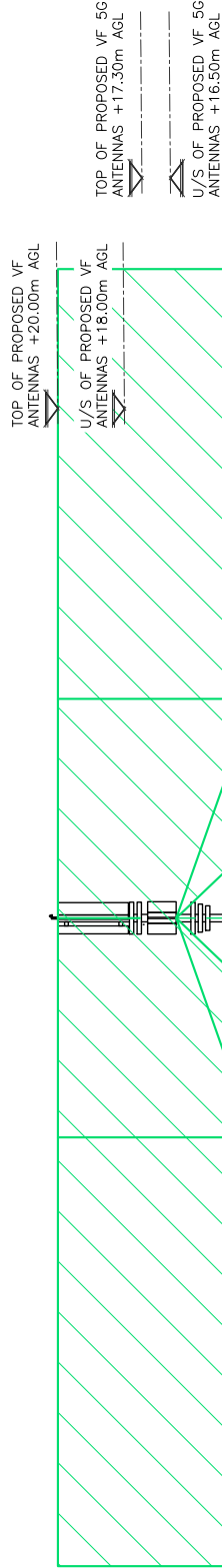


CTIL - BEACON

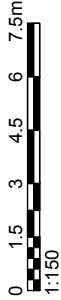
Cell Name		Opt.
OXFORD ROAD		A
Cell ID No		
CTIL	TEF	VF
30452900	N/A	20716
Site Address / Contact Details		
OXFORD ROAD READING BERKSHIRE RG30 6YD		

Drawing Title: PUBLIC ICNIRP_ZONE EXCLUSION_ZONE ELEVATION

Purpose of Issue:		Dwg Rev:
PLANNING		
Drawing Number:		453
Surveyed By:	Original Sheet Size:	Pack Issue:
MF	A3	
Drawn:	Date:	Checked:
MF	26.04.19	RMB
		Date:
		26.04.19
		Drawn:
		MF



PUBLIC EXCLUSION_ZONE ELEVATION
(1:150)



VF VOD CODE: G3A+MG21+G33A/B																								
EXISTING & PROPOSED ANTENNA SCHEDULE (EXISTING EQUIPMENT SHOWN GREY)																								
PROPOSED ANTENNAS		FUNCTION		FEEDER/DC/FIBRE				MHA's/RRU's/BIAS T's/JUMPERS/COMBINERS				ANTENNAS				COMMENTS								
				LENGTH(m) & DIAMETER (SEE GUIDANCE NOTES BELOW)		TYPE (COAX OR DC/FIBRE)	FEEDERS QTY		DC/FIBRE QTY	DC/FIBRE LENGTH	MHA NOKIA QTY	MHA E'SSON QTY	RRU BIAS T QTY	MHA TO ANTENNA JUMPER LENGTH (m) (TOPS & GFIELDS)	COMBINERS (HIGH LEVEL) IN CABINET, CABIN ETC)	COMBINERS (LOW LEVEL) IN CABINET, CABIN ETC)	ANT. 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	
				MF1	MF(U1)		MF(U2)	TOTAL																
P	VF	1GUL9	7/8=18	1/2=1	20m	COAX	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VF/TEF	1L8	7/8=18	1/2=1	20m	COAX	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TEF	1GUL9	1/2=1	20m	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VF/TEF	1L14	7/8=18	1/2=1	20m	COAX	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VF	1L21	7/8=18	1/2=1	20m	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TEF	1L18	7/8=18	1/2=1	20m	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TEF	1L23	7/8=18	1/2=1	20m	COAX	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VF	1L26	7/8=18	1/2=1	20m	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P	VF	1N34	-	-	-	DC/FIBRE	-	-	1	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VF	2GUL9	7/8=18	1/2=1	20m	COAX	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	VF/TEF	2L8	7/8=18	1/2=1	20m	COAX	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	TEF	2GUL9	1/2=1	20m	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VF/TEF	2L14	7/8=18	1/2=1	20m	COAX	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VF	2L21	7/8=18	1/2=1	20m	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TEF	2L18	7/8=18	1/2=1	20m	COAX	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VF	2L26	7/8=18	1/2=1	20m	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P	VF	2N34	-	-	-	DC/FIBRE	-	-	1	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VF	3GUL9	7/8=18	1/2=1	20m	COAX	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VF/TEF	3L8	7/8=18	1/2=1	20m	COAX	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TEF	3GUL9	1/2=1	20m	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VF/TEF	3L14	7/8=18	1/2=1	20m	COAX	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VF	3L21	7/8=18	1/2=1	20m	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TEF	3L18	7/8=18	1/2=1	20m	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VF	3L26	7/8=18	1/2=1	20m	COAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P	VF	3N34	-	-	-	DC/FIBRE	-	-	1	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-

PROPOSED DISH KEY									
STATUS	OPERATOR	DISH REF	DISH DIA	BEARING	HEIGHT TO CENTRE (AGL)	LINK No.			
PROPOSED	VF	D1	ø300	TBC°	14.30m	-			
PROPOSED	VF	D2	ø300	TBC°	14.30m	-			

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 1.5 FEEDER (LEFT) & 2 FEEDER (RIGHT) BEING USED TO BE CONNECTED TO 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 UK		
b=	UNIQUE BAND REFERENCE	21=	2100 BAND (09=0900,18=1800)	RE-USE =	ON SITE BUT BEING MOVED				
DISH	Dish (1-1-13)			REMOVE =	REMOVED FROM SITE				

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE	
N.G.R	E: 468613 N: 174231
CONCESSION REQUIRED	
DESIGN CONCESSION LIST	
No.	DESCRIPTION OF CONCESSION REQUIRED
-	-
CONCESSION TYPE CONCESSION NUMBER APPROVAL DATE	
- - -	
NOTES:	
</	

PROPOSED DISH KEY					
STATUS	OPERATOR	DISH REF	DISH DIA	BEARING	HEIGHT TO CENTRE (AGL)
PROPOSED	VF	D1	ø300	TBC°	14.30m
PROPOSED	VF	D2	ø300	TBC°	14.30m

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	
1=	CELL No. (1, 2, 3)	U=	UMTS (G=0SM) (L=LTE)	EXISTING =	ON SITE AND NOT BEING MOVED	TEF =	TELEFONICA UK	
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			

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE									
N.G.R		E: 468613		N: 174231					
CONCESSION REQUIRED				NO					
DESIGN CONCESSION LIST									
No.		DESCRIPTION OF CONCESSION REQUIRED							
-		-							
CONCESSION TYPE		CONCESSION NUMBER			APPROVAL DATE				
-		-			-				
NOTES:									

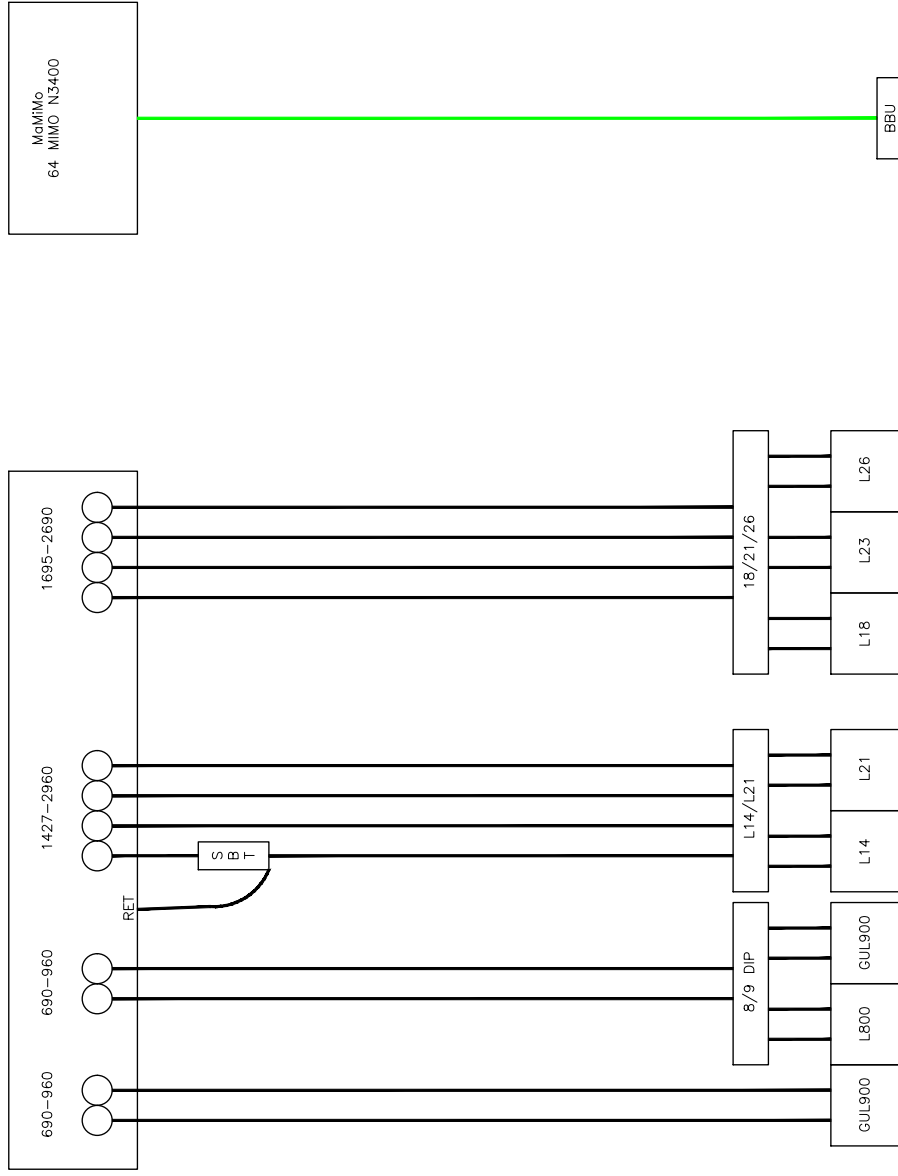
N.G.R	E: 468613 N: 174231
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N.G.R	E: 468613 N: 174231
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CONCESSION REQUIRED	NO
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NOTES:

VF VOD CODE: G3A+MG21+G33A/B



ANTENNA AND RF SYSTEM DESIGN SCHEMATIC (NTS)

Drawing Title:	R.F. SYSTEM SCHEMATIC									
Purpose of issue:	PLANNING									
Drawing Number:	501									
Surveyed By:	MF		Original Sheet Size:		A3		Pack Issue:		B	
Drawn:	MF		DATE:		26.04.19		Checked:		DATE:	
					26.04.19		RWB		26.04.19	

[illegible]