

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE			
N.G.R	E 516598	N 123681	
WHAT 3 WORDS	OUTHOUSE.HUMID.SPIKE		
CONCESSION/FIXIT REQUIRED?	☒	YES	NO
REASON FOR CONCESSION/FIXIT:	N/A		

ICNIRP DETAILS	
IN ACCORDANCE WITH WITH IN ACCORDANCE WITH WIG EMF POLICY W19-EMC-0011-01TS_V0.1	
SITE DESIGN CATEGORY	- GROUND LEVEL PUBLIC ACCESS - TOWER WORKER ONLY ACCESS

ICNIRP CONTROL MEASURE (IF REQUIRED):
NO CONTROL MEASURE REQUIRED

DEPENDENCIES FOR DETAILED DESIGN/BUILD		
ASBESTOS SURVEY	☒	NO
CHERRY PICKER SURVEY (DESIGN)	☒	NO
COMMS SERVICE ALTERATION	☒	NO
GDC CALCS - TOWER (GF OR RT STUB) / POLE (RT)	☒	NO
GDC CALCS - INTERFACE STEELWORK	☒	NO
GDC CALCS - EXISTING FOUNDATION	☒	NO
GDC CALCS - EXISTING MONOPOLE HD BOLTS	☒	NO
GEOTECH AND/OR TRIAL DIG	☒	NO
ICNIRP CONTROL MEASURES	☒	NO
INTRUSIVE SURVEY	☒	NO
MEWP/CRANE/SCAFFOLD REQUIREMENTS	☒	NO
REC SERVICE ALTERATION	☒	NO
STAT SEARCHES	☒	NO
GPRS REQUIREMENT	☒	NO
TENSILE PROOF TESTS (EXISTING POLES)	☒	NO
TENSILE PROOF TESTS (NEW POLES)	☒	NO
TOWER CLIMB	☒	NO
SAFETY SIGNAGE REFRESH	☒	NO
WIG TO PROVIDE NEW REC SUPPLY	☒	NO
FABRICATION DRAWINGS REQUIRED	☒	NO

COLOUR CHART	
BLACK	TEXT, EXISTING BUILDINGS, TOWERS, STRUCTURES, TREES, ETC.
YELLOW	ACCESS ROUTE

A	DETAILED DESIGN (FIRST ISSUE)	MF	RN	14.10.25
REV	DESCRIPTION OF REVISION	BY	CH	DATE

DESIGN CONSULTANT	WIG PROJECT NUMBER
IMPLEMENTAL LTD.	BAU-C-CNX-1494724 -1-NEWPOP

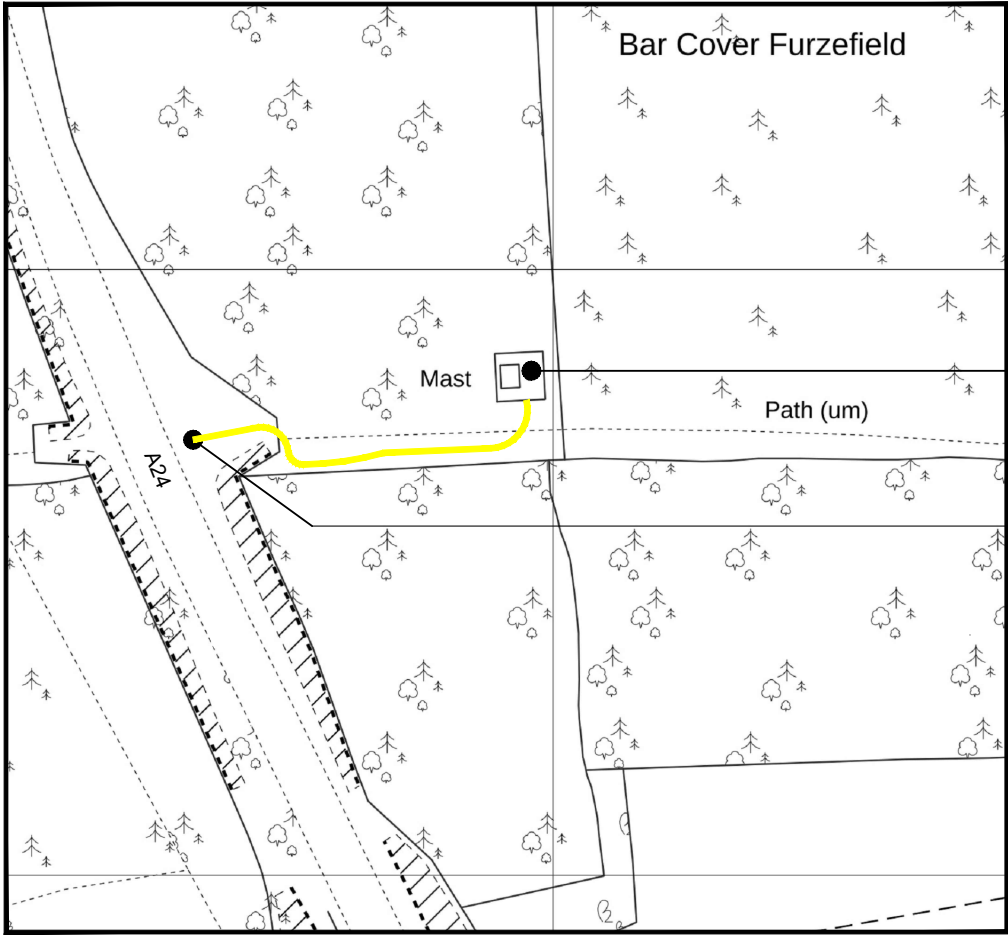


SUEZ	MBNL	EE	H3G
T1405	HSM025	94724	RH0335

SITE NAME AND ADDRESS
BAR COVER FURZEFIELD WEST GRINSTEAD BAR COVER HORSHAM WEST SUSSEX, RH13 8LT

DRAWING TITLE:
LOCATION AND BLOCK PLANS
PURPOSE OF ISSUE:
DETAILED DESIGN

DRAWING NUMBER:				
100				
SCALE:		DRAWN:	DATE:	REV:
AS SHOWN @ A3		MF	14.10.25	A
CHECKED:	DATE:	APPROVED:	DATE:	
RN	14.10.25	GH	14.10.25	



SITE LOCATION

ACCESS TO SITE OFF A24

Copyright Statement
The following copyright should accompany this product any time it is used.
© Crown Copyright database rights 2024. OS AC0000813445

BLOCK PLAN



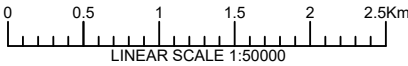
GOOGLE MAPS QR CODE



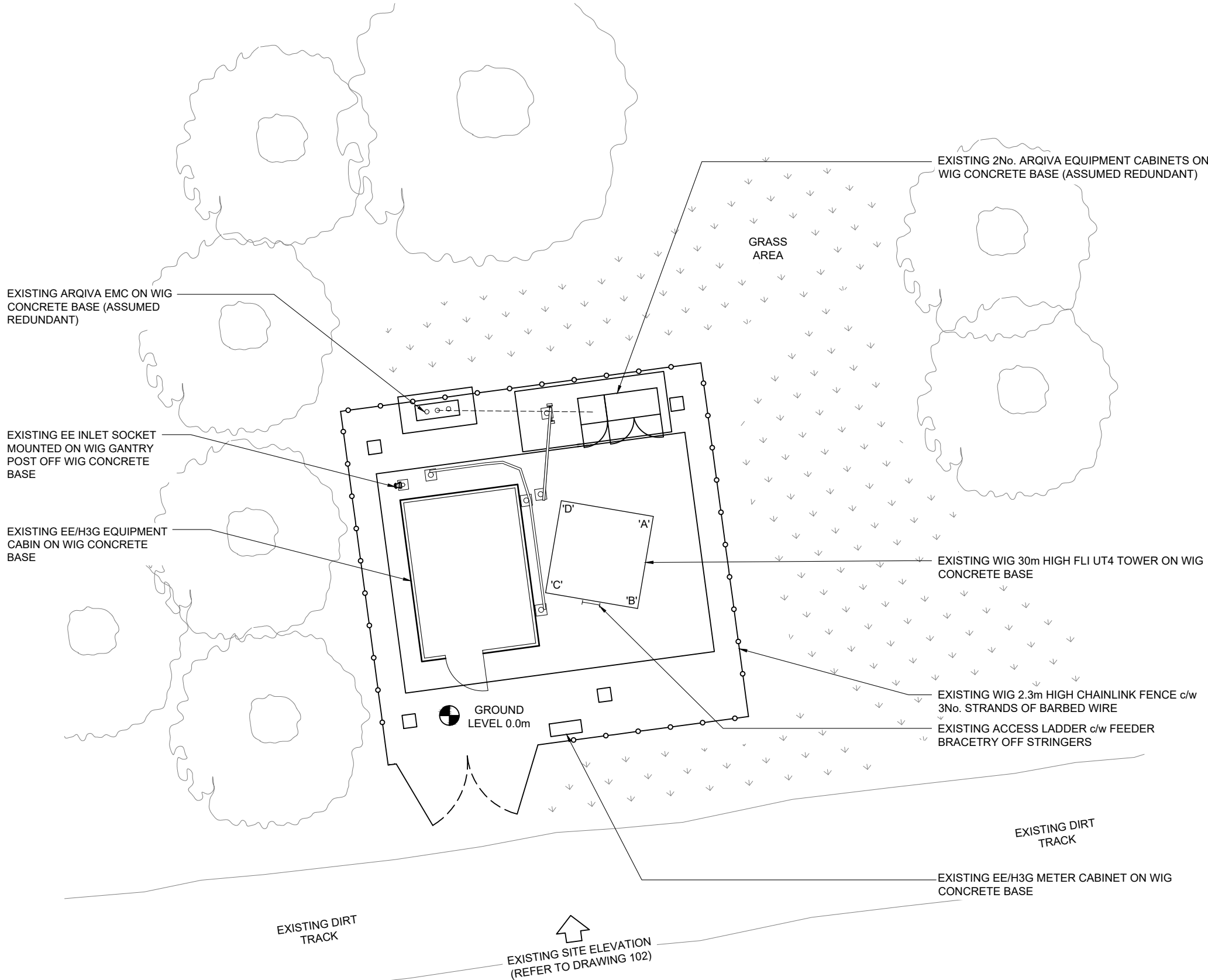
SITE LOCATION

Copyright Statement
The following copyright should accompany this product any time it is used.
© Crown Copyright database rights 2024. OS AC0000813445

LOCATION PLAN



PHOTOGRAPH OF EXISTING SITE



EXISTING SITE PLAN



ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 516598	N 123681
WHAT 3 WORDS	OUTHOUSE.HUMID.SPIKE	
CONCESSION/FIXIT REQUIRED?	☒ YES	☐ NO
REASON FOR CONCESSION/FIXIT: N/A		

ICNIRP DETAILS

IN ACCORDANCE WITH IN ACCORDANCE WITH WIG EMF POLICY
W19-EMC-0011-01TS_V0.1

SITE DESIGN CATEGORY	- GROUND LEVEL PUBLIC ACCESS - TOWER WORKER ONLY ACCESS
----------------------	---

ICNIRP CONTROL MEASURE (IF REQUIRED):
NO CONTROL MEASURE REQUIRED

DEPENDENCIES FOR DETAILED DESIGN/BUILD		
ASBESTOS SURVEY	☒	NO
CHERRY PICKER SURVEY (DESIGN)	☒	NO
COMMS SERVICE ALTERATION	☒	NO
GDC CALCS - TOWER (GF OR RT STUB) / POLE (RT)	☒	NO
GDC CALCS - INTERFACE STEELWORK	☒	NO
GDC CALCS - EXISTING FOUNDATION	☒	NO
GDC CALCS - EXISTING MONOPOLE HD BOLTS	☒	NO
GEOTECH AND/OR TRIAL DIG	☒	NO
ICNIRP CONTROL MEASURES	☒	NO
INTRUSIVE SURVEY	☒	NO
MEWP/CRANE/SCAFFOLD REQUIREMENTS	☒	NO
REC SERVICE ALTERATION	☒	NO
STAT SEARCHES	☒	NO
GPRS REQUIREMENT	☒	NO
TENSILE PROOF TESTS (EXISTING POLES)	☒	NO
TENSILE PROOF TESTS (NEW POLES)	☒	NO
TOWER CLIMB	☒	NO
SAFETY SIGNAGE REFRESH	☒	NO
WIG TO PROVIDE NEW REC SUPPLY	☒	NO
FABRICATION DRAWINGS REQUIRED	☒	NO

COLOUR CHART

BLACK — TEXT, EXISTING BUILDINGS, TOWERS, STRUCTURES, TREES, ETC.

A	DETAILED DESIGN (FIRST ISSUE)	MF	RN	14.10.25
REV	DESCRIPTION OF REVISION	BY	CH	DATE

DESIGN CONSULTANT	WIG PROJECT NUMBER
IMPLEMENTAL LTD.	BAU-C-CNX-1494724 -1-NEWPOP

Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
T1405	HSM025	94724	RH0335

SITE NAME AND ADDRESS

BAR COVER FURZEFIELD
WEST GRINSTEAD
BAR COVER
HORSHAM
WEST SUSSEX, RH13 8LT

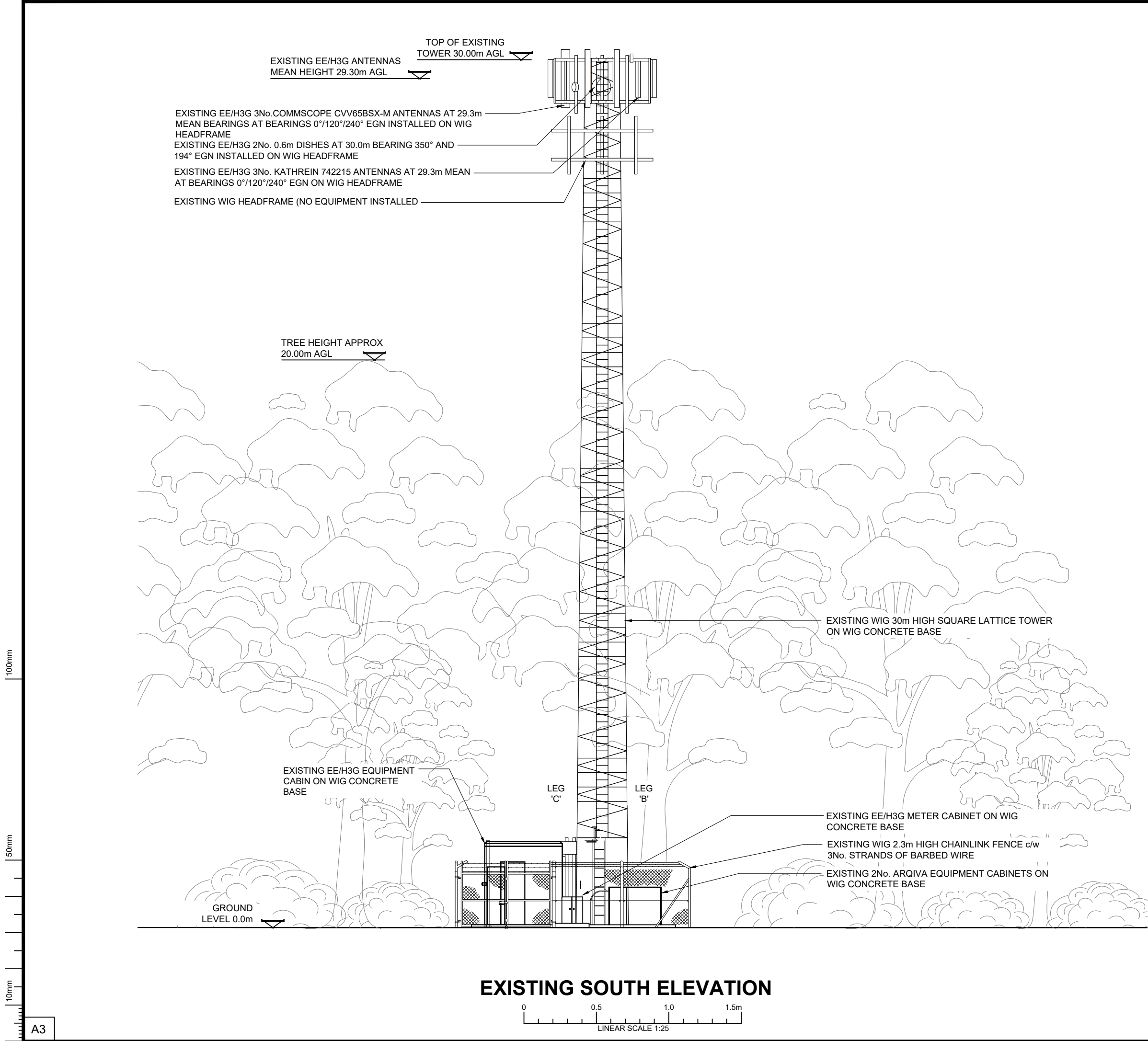
DRAWING TITLE:
EXISTING SITE PLAN

PURPOSE OF ISSUE:
DETAILED DESIGN

DRAWING NUMBER:
101

SCALE: AS SHOWN @ A3	DRAWN: MF	DATE: 14.10.25	REV:
CHECKED: RN	DATE: 14.10.25	APPROVED: GH	DATE: 14.10.25

A



ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 516598	N 123681
WHAT 3 WORDS	OUTHOUSE.HUMID.SPIKE	
CONCESSION/FIXIT REQUIRED?	☒	NO
REASON FOR CONCESSION/FIXIT: N/A		

ICNIRP DETAILS

IN ACCORDANCE WITH IN ACCORDANCE WITH WIG EMF POLICY
W19-EMC-0011-01TS_V0.1

SITE DESIGN CATEGORY	- GROUND LEVEL PUBLIC ACCESS - TOWER WORKER ONLY ACCESS
----------------------	---

ICNIRP CONTROL MEASURE (IF REQUIRED):
NO CONTROL MEASURE REQUIRED

DEPENDENCIES FOR DETAILED DESIGN/BUILD			
ASBESTOS SURVEY	☒	NO	
CHERRY PICKER SURVEY (DESIGN)	☒	NO	
COMMS SERVICE ALTERATION	☒	NO	
GDC CALCS - TOWER (GF OR RT STUB) / POLE (RT)	☒	NO	
GDC CALCS - INTERFACE STEELWORK	☒	NO	
GDC CALCS - EXISTING FOUNDATION	☒	NO	
GDC CALCS - EXISTING MONOPOLE HD BOLTS	☒	NO	
GEOTECH AND/OR TRIAL DIG	☒	NO	
ICNIRP CONTROL MEASURES	☒	NO	
INTRUSIVE SURVEY	☒	NO	
MEWP/CRANE/SCAFFOLD REQUIREMENTS	☒	NO	
REC SERVICE ALTERATION	☒	NO	
STAT SEARCHES	☒	NO	
GPRS REQUIREMENT	☒	NO	
TENSILE PROOF TESTS (EXISTING POLES)	☒	NO	
TENSILE PROOF TESTS (NEW POLES)	☒	NO	
TOWER CLIMB	☒	NO	
SAFETY SIGNAGE REFRESH	☒	NO	
WIG TO PROVIDE NEW REC SUPPLY	☒	NO	
FABRICATION DRAWINGS REQUIRED	☒	NO	

COLOUR CHART

BLACK ——— TEXT, EXISTING BUILDINGS, TOWERS, STRUCTURES, TREES, ETC.

A	DETAILED DESIGN (FIRST ISSUE)	MF	RN	14.10.25
REV	DESCRIPTION OF REVISION	BY	CH	DATE

DESIGN CONSULTANT	WIG PROJECT NUMBER
IMPLEMENTAL LTD.	BAU-C-CNX-1494724 -1-NEWPOP

Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
T1405	HSM025	94724	RH0335

SITE NAME AND ADDRESS

BAR COVER FURZEFIELD
WEST GRINSTEAD
BAR COVER
HORSHAM
WEST SUSSEX, RH13 8LT

DRAWING TITLE:
EXISTING ELEVATION

PURPOSE OF ISSUE:
DETAILED DESIGN

DRAWING NUMBER:
102

SCALE: AS SHOWN @ A3	DRAWN: MF	DATE: 14.10.25	REV:
CHECKED: RN	DATE: 14.10.25	APPROVED: GH	DATE: 14.10.25

A



PROPOSED 50x50mm SURFACE MOUNTED TRUNKING FOR SUEZ POWER CABLE - SUBMAIN CABLE TO RISE ON AND UTILISE EXISTING CABLE CONTAINMENT TO CONCENTRATOR LOCATION

ASSUMED ROUTE (BLACK DASHED) OF EXISTING ARQIVA SUBMAIN CABLE DUCT TO BE REUSED AND BROKEN INTO WITH NEW SPUR TO EDGE OF CONCRETE BASE

EXISTING EMC ON WIG CONCRETE BASE - TO BE RE-ENERGISED AND RECONDITIONED WITH NEW AC/DB AND CONSUMER UNIT FOR SUEZ POWER SUPPLY

EXISTING EE INLET SOCKET MOUNTED ON WIG GANTRY POST OFF WIG CONCRETE BASE

EXISTING EE/H3G EQUIPMENT CABIN ON WIG CONCRETE BASE

EXISTING 2No. ARQIVA EQUIPMENT CABINETS ON WIG CONCRETE BASE (ASSUMED REDUNDANT)

PROPOSED SUEZ IP RATED ENCLOSURE (400mm HIGH x 210mm DEEP x 300mm WIDE) 1No. ROTARY ISOLATOR SWITCH TO BE MOUNTED ON NEW UNISTRUT OFF EXISTING GANTRY SUPPORT POST

PROPOSED SUEZ CABLES (2No. RJ45/M12 CABLES - 1No. PER OMNI ANTENNA) TO UTILISE EXISTING CABLE CONTAINMENT AND FEEDER BRACKETS OFF TOWER LEG 'D' - NEW STUDS AND CLAMPS REQUIRED

EXISTING WIG 30m HIGH FLI UT4 TOWER ON WIG CONCRETE BASE

EXISTING WIG 2.3m HIGH CHAINLINK FENCE c/w 3No. STRANDS OF BARBED WIRE
EXISTING ACCESS LADDER c/w FEEDER BRACETRY OFF STRINGERS

EXISTING EE/H3G METER CABINET ON WIG CONCRETE BASE

EXISTING SITE ELEVATION (REFER TO DRAWING 104)

PROPOSED SITE PLAN



ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 516598	N 123681
WHAT 3 WORDS	OUTHOUSE.HUMID.SPIKE	
CONCESSION/FIXIT REQUIRED?	☒ YES	☐ NO
REASON FOR CONCESSION/FIXIT: N/A		

ICNIRP DETAILS
IN ACCORDANCE WITH IN ACCORDANCE WITH WIG EMF POLICY
W19-EMC-0011-01TS_V0.1

SITE DESIGN CATEGORY	- GROUND LEVEL PUBLIC ACCESS - TOWER WORKER ONLY ACCESS
----------------------	---

ICNIRP CONTROL MEASURE (IF REQUIRED):
NO CONTROL MEASURE REQUIRED

DEPENDENCIES FOR DETAILED DESIGN/BUILD		
ASBESTOS SURVEY	☒	NO
CHERRY PICKER SURVEY (DESIGN)	☒	NO
COMMS SERVICE ALTERATION	☒	NO
GDC CALCS - TOWER (GF OR RT STUB) / POLE (RT)	☒	NO
GDC CALCS - INTERFACE STEELWORK	☒	NO
GDC CALCS - EXISTING FOUNDATION	☒	NO
GDC CALCS - EXISTING MONOPOLE HD BOLTS	☒	NO
GEOTECH AND/OR TRIAL DIG	☒	NO
ICNIRP CONTROL MEASURES	☒	NO
INTRUSIVE SURVEY	☒	NO
MEWP/CRANE/SCAFFOLD REQUIREMENTS	☒	NO
REC SERVICE ALTERATION	☒	NO
STAT SEARCHES	☒	NO
GPRS REQUIREMENT	☒	NO
TENSILE PROOF TESTS (EXISTING POLES)	☒	NO
TENSILE PROOF TESTS (NEW POLES)	☒	NO
TOWER CLIMB	☒	NO
SAFETY SIGNAGE REFRESH	☒	NO
WIG TO PROVIDE NEW REC SUPPLY	☒	NO
FABRICATION DRAWINGS REQUIRED	☒	NO

COLOUR CHART

BLACK	TEXT, EXISTING BUILDINGS, TOWERS, STRUCTURES, TREES, ETC.
BLUE	PROPOSED INSTALLATION

A	DETAILED DESIGN (FIRST ISSUE)	MF	RN	14.10.25
REV	DESCRIPTION OF REVISION	BY	CH	DATE

DESIGN CONSULTANT	WIG PROJECT NUMBER
IMPLEMENTAL LTD.	BAU-C-CNX-1494724 -1-NEWPOP



Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
T1405	HSM025	94724	RH0335

SITE NAME AND ADDRESS

BAR COVER FURZEFIELD
WEST GRINSTEAD
BAR COVER
HORSHAM
WEST SUSSEX, RH13 8LT

DRAWING TITLE:

PROPOSED SITE PLAN

PURPOSE OF ISSUE:

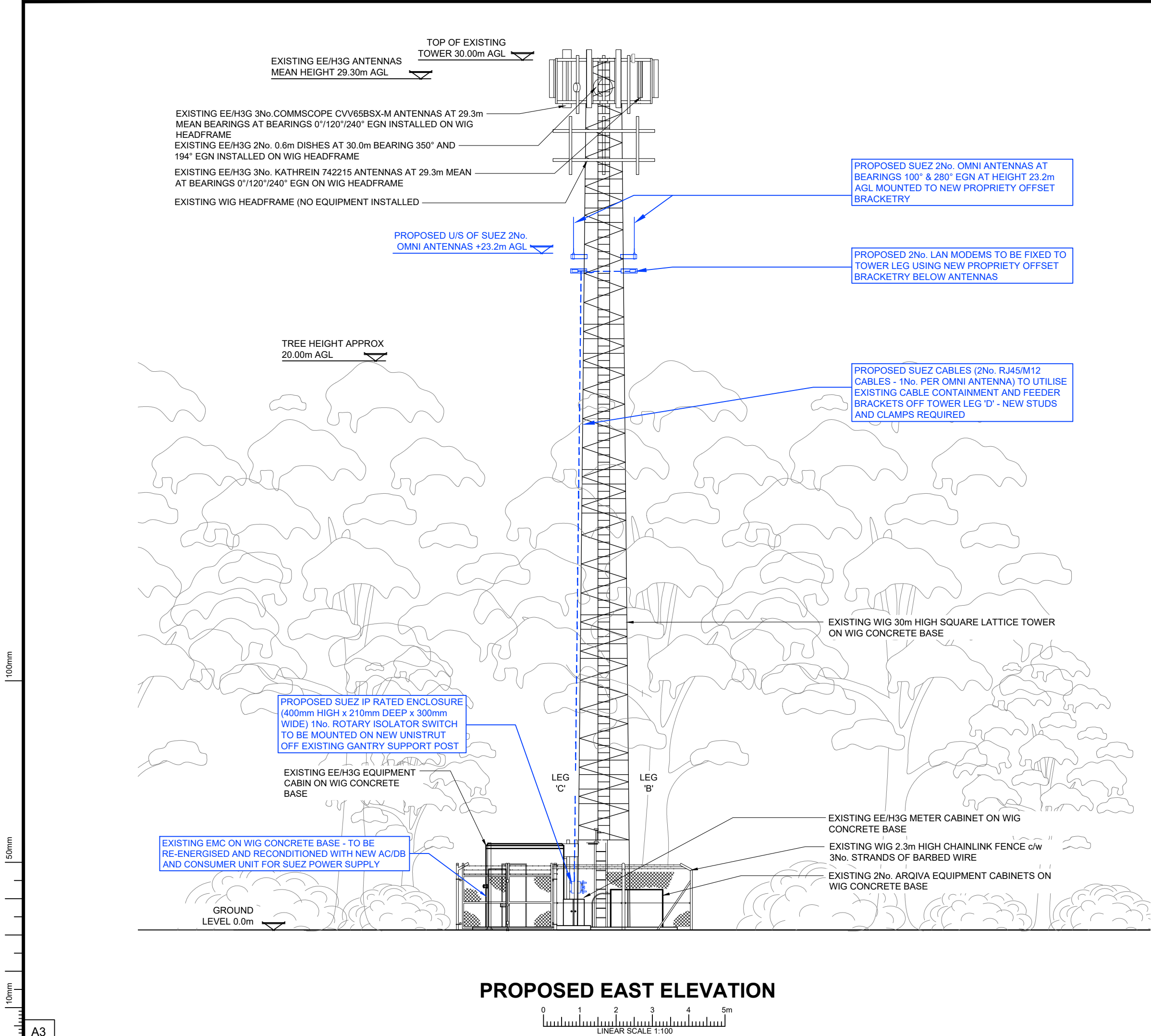
DETAILED DESIGN

DRAWING NUMBER:

103

SCALE:	DRAWN:	DATE:	REV:
AS SHOWN @ A3	MF	14.10.25	
CHECKED:	DATE:	APPROVED:	DATE:
RN	14.10.25	GH	14.10.25

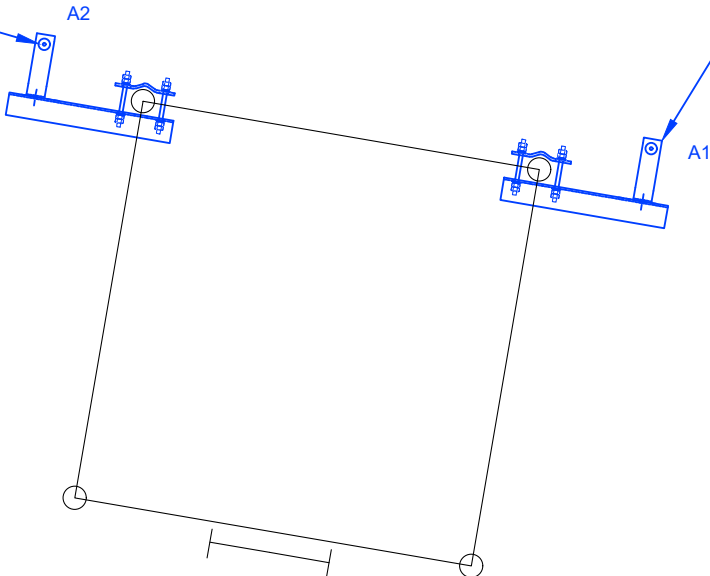
A



ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE				
N.G.R	E 516598		N 123681	
WHAT 3 WORDS		OUTHOUSE.HUMID.SPIKE		
CONCESSION/FIXIT REQUIRED?			YES	NO
REASON FOR CONCESSION/FIXIT: N/A				
ICNIRP DETAILS IN ACCORDANCE WITH WITH IN ACCORDANCE WITH WIG EMF POLICY W19-EMC-0011-01TS_V0.1				
SITE DESIGN CATEGORY		GROUND LEVEL PUBLIC ACCESS TOWER WORKER ONLY ACCESS		
ICNIRP CONTROL MEASURE (IF REQUIRED): NO CONTROL MEASURE REQUIRED				
DEPENDENCIES FOR DETAILED DESIGN/BUILD				
ASBESTOS SURVEY				NO
CHERRY PICKER SURVEY (DESIGN)				NO
COMMS SERVICE ALTERATION				NO
GDC CALCS - TOWER (GF OR RT STUB) / POLE (RT)				NO
GDC CALCS - INTERFACE STEELWORK				NO
GDC CALCS - EXISTING FOUNDATION				NO
GDC CALCS - EXISTING MONOPOLE HD BOLTS				NO
GEOTECH AND/OR TRIAL DIG				NO
ICNIRP CONTROL MEASURES				NO
INTRUSIVE SURVEY				NO
MEWP/CRANE/SCAFFOLD REQUIREMENTS				NO
REC SERVICE ALTERATION				NO
STAT SEARCHES				NO
GPRS REQUIREMENT				NO
TENSILE PROOF TESTS (EXISTING POLES)				NO
TENSILE PROOF TESTS (NEW POLES)				NO
TOWER CLIMB				NO
SAFETY SIGNAGE REFRESH				NO
WIG TO PROVIDE NEW REC SUPPLY				NO
FABRICATION DRAWINGS REQUIRED				NO
COLOUR CHART				
BLACK ——— TEXT, EXISTING BUILDINGS, TOWERS, STRUCTURES, TREES, ETC.				
BLUE ——— PROPOSED INSTALLATION				
A	DETAILED DESIGN (FIRST ISSUE)		MF	RN 14.10.25
REV	DESCRIPTION OF REVISION		BY	CH DATE
DESIGN CONSULTANT			WIG PROJECT NUMBER	
IMPLEMENTAL LTD.			BAU-C-CNX-1494724 -1-NEWPOP	
Wireless Infrastructure Group				
SUEZ	MBNL	EE	H3G	
T1405	HSM025	94724	RH0335	
SITE NAME AND ADDRESS				
BAR COVER FURZEFIELD WEST GRINSTEAD BAR COVER HORSHAM WEST SUSSEX, RH13 8LT				
DRAWING TITLE: PROPOSED ELEVATION				
PURPOSE OF ISSUE: DETAILED DESIGN				
DRAWING NUMBER: 104				
SCALE: AS SHOWN @ A3		DRAWN: MF	DATE: 14.10.25	REV:
CHECKED: RN	DATE: 14.10.25	APPROVED: GH	DATE: 14.10.25	A

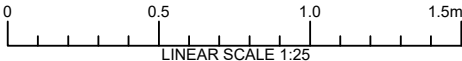


PROPOSED SUEZ 1No. OMNI ANTENNA AT BEARINGS 280° EGN AT HEIGHT 23.2m AGL MOUNTED ON NEW PROPRIETY OFFSET BRACKETRY - PROPOSED 1No. LAN MODEM TO BE FIXED TO TOWER LEG USING NEW PROPRIETY OFFSET BRACKETRY BELOW ANTENNA



PROPOSED SUEZ 1No. OMNI ANTENNA AT BEARINGS 100° EGN AT HEIGHT 23.2m AGL MOUNTED ON NEW PROPRIETY OFFSET BRACKETRY - PROPOSED 1No. LAN MODEM TO BE FIXED TO TOWER LEG USING NEW PROPRIETY OFFSET BRACKETRY BELOW ANTENNA

PROPOSED PLAN @ 23.2m AGL



ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 516598	N 123681
WHAT 3 WORDS	OUTHOUSE.HUMID.SPIKE	
CONCESSION/FIXIT REQUIRED?	☒	NO
REASON FOR CONCESSION/FIXIT: N/A		

ICNIRP DETAILS

IN ACCORDANCE WITH IN ACCORDANCE WITH WIG EMF POLICY
W19-EMC-0011-01TS_V0.1

SITE DESIGN CATEGORY	- GROUND LEVEL PUBLIC ACCESS - TOWER WORKER ONLY ACCESS
----------------------	---

ICNIRP CONTROL MEASURE (IF REQUIRED):
NO CONTROL MEASURE REQUIRED

DEPENDENCIES FOR DETAILED DESIGN/BUILD

ASBESTOS SURVEY	☒	NO
CHERRY PICKER SURVEY (DESIGN)	☒	NO
COMMS SERVICE ALTERATION	☒	NO
GDC CALCS - TOWER (GF OR RT STUB) / POLE (RT)	☒	NO
GDC CALCS - INTERFACE STEELWORK	☒	NO
GDC CALCS - EXISTING FOUNDATION	☒	NO
GDC CALCS - EXISTING MONOPOLE HD BOLTS	☒	NO
GEOTECH AND/OR TRIAL DIG	☒	NO
ICNIRP CONTROL MEASURES	☒	NO
INTRUSIVE SURVEY	☒	NO
MEWP/CRANE/SCAFFOLD REQUIREMENTS	☒	NO
REC SERVICE ALTERATION	☒	NO
STAT SEARCHES	☒	NO
GPRS REQUIREMENT	☒	NO
TENSILE PROOF TESTS (EXISTING POLES)	☒	NO
TENSILE PROOF TESTS (NEW POLES)	☒	NO
TOWER CLIMB	☒	NO
SAFETY SIGNAGE REFRESH	☒	NO
WIG TO PROVIDE NEW REC SUPPLY	☒	NO
FABRICATION DRAWINGS REQUIRED	☒	NO

COLOUR CHART

BLACK	TEXT, EXISTING BUILDINGS, TOWERS, STRUCTURES, TREES, ETC.
BLUE	PROPOSED INSTALLATION

A	DETAILED DESIGN (FIRST ISSUE)	MF	RN	14.10.25
REV	DESCRIPTION OF REVISION	BY	CH	DATE

DESIGN CONSULTANT	WIG PROJECT NUMBER
IMPLEMENTAL LTD.	BAU-C-CNX-1494724 -1-NEWPOP

Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
T1405	HSM025	94724	RH0335

SITE NAME AND ADDRESS

BAR COVER FURZEFIELD
WEST GRINSTEAD
BAR COVER
HORSHAM
WEST SUSSEX, RH13 8LT

DRAWING TITLE:
PROPOSED ANTENNA PLAN

PURPOSE OF ISSUE:
DETAILED DESIGN

DRAWING NUMBER:
105

SCALE: AS SHOWN @ A3	DRAWN: MF	DATE: 14.10.25	REV:
CHECKED: RN	DATE: 14.10.25	APPROVED: GH	DATE: 14.10.25

A

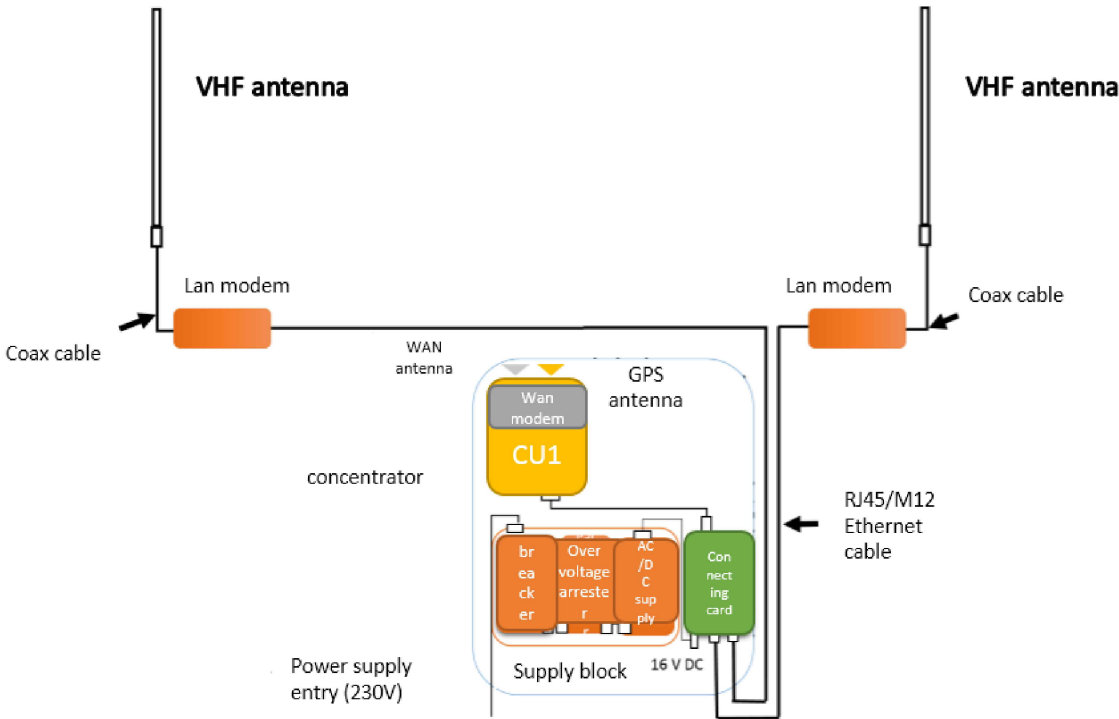
100mm

50mm

10mm

PROPOSED ANTENNA SCHEDULE																											
ANTENNA									FUNCTION					ANCILLARIES			FEEDERS/FIBRE										
PROPOSED /EXISTING ANTENNAS		OPERATOR	ANTENNA TYPE	ANTENNA SIZE mm (HxWxD) & WEIGHT (kg)	BRG° (EGN)	MECH TILT	HEIGHT TO U/S	ANTENNA REFERENCE	169 MHz							LAN MODEM	RRH QTY/ WEIGHT	COMBINER/ DIPLEXOR	BTS/UCU JUMPER QTY/TYPE/LENGTH	BTS TO BOB FIBRE JUMPER QTY/LENGTH	MAIN FEEDER QTY/TYPE/LENGTH	HYBRID FIBRE QTY/LENGTH	BOB TO RRH FIBRE JUMPER QTY/LENGTH	MHA JUMPER QTY/TYPE/LENGTH	ANTENNA JUMPER QTY/TYPE/LENGTH	COMMENTS	
SECTOR 1	PROP	SUEZ	OMNI ANTENNA	1230mm LONG 1kg	100°	0°	23.2m	A1	●							x1	-	-	-	-	1No. RJ45/M12 CABLE 40m	-	-	-	-	-	TO BE INSTALLED ON NEW OFFSET BRACKETRY
SECTOR 2	PROP	SUEZ	OMNI ANTENNA	1230mm LONG 1kg	280°	0°	23.2m	A2	●							x1	-	-	-	-	1No. RJ45/M12 CABLE 40m	-	-	-	-	-	
											TOTAL No.					-	-	-	-	-	2	-	-	-	-		

EQUIPMENT KEY					
OPERATOR	EXISTING/ PROPOSED	CABINET RACK/TYPE	SIZE (WxDxH mm)	COLOUR	COMMENTS
SUEZ	PROPOSED	IP RATED ENCLOSURE	400x210x300	STANDARD	TO BE INSTALLED ON PROPOSED UNISTRUT SECTIONS OFF EXISTING GANTRY SUPPORT POLE
SUEZ	EXISTING	EMC	-	STANDARD	EXISTING EMC TO BE RE-ENERGISED FOR SUEZ POWER SUPPLY



ANTENNA SCHEMATIC

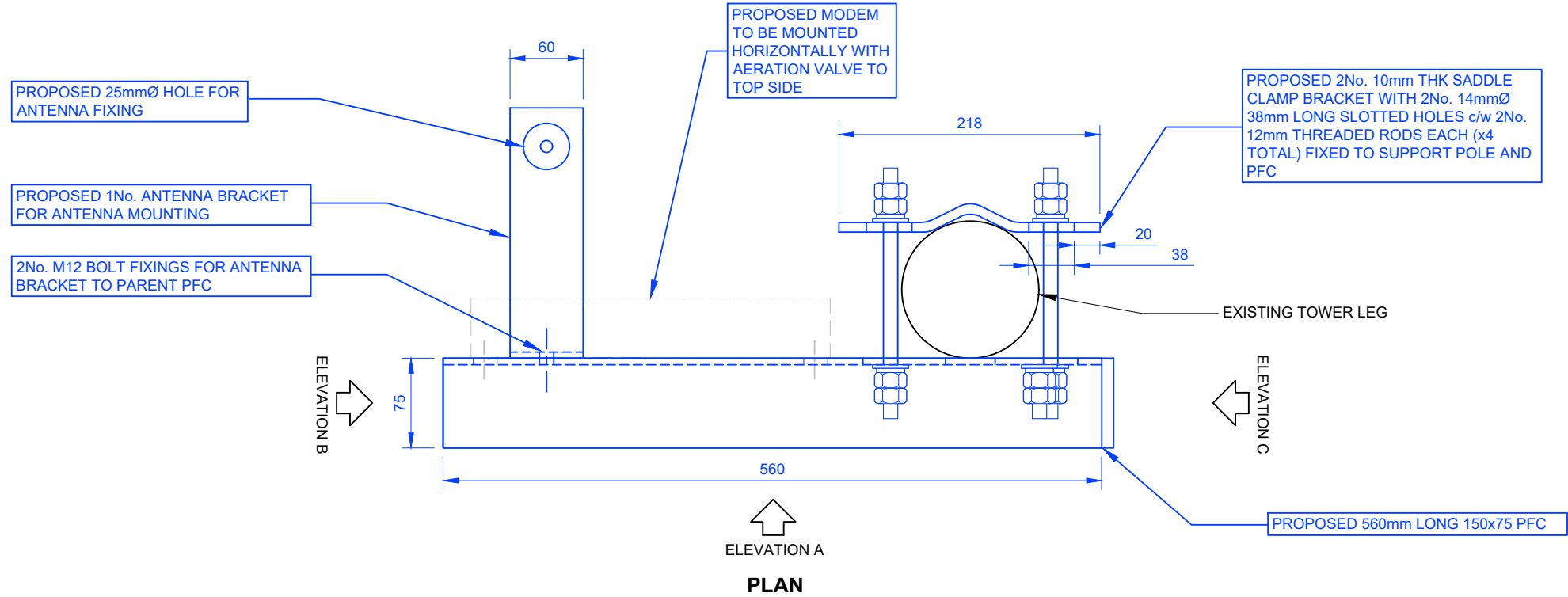
ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 516598	N 123681		
WHAT 3 WORDS	OUTHOUSE.HUMID.SPIKE			
CONCESSION/FIXIT REQUIRED?	☒ YES	NO		
REASON FOR CONCESSION/FIXIT: N/A				
ICNIRP DETAILS IN ACCORDANCE WITH WITH IN ACCORDANCE WITH WIG EMF POLICY W19-EMC-0011-01TS_V0.1				
SITE DESIGN CATEGORY	- GROUND LEVEL PUBLIC ACCESS - TOWER WORKER ONLY ACCESS			
ICNIRP CONTROL MEASURE (IF REQUIRED): NO CONTROL MEASURE REQUIRED				
DEPENDENCIES FOR DETAILED DESIGN/BUILD				
ASBESTOS SURVEY	☒	NO		
CHERRY PICKER SURVEY (DESIGN)	☒	NO		
COMMS SERVICE ALTERATION	☒	NO		
GDC CALCS - TOWER (GF OR RT STUB) / POLE (RT)	☒	NO		
GDC CALCS - INTERFACE STEELWORK	☒	NO		
GDC CALCS - EXISTING FOUNDATION	☒	NO		
GDC CALCS - EXISTING MONOPOLE HD BOLTS	☒	NO		
GEOTECH AND/OR TRIAL DIG	☒	NO		
ICNIRP CONTROL MEASURES	☒	NO		
INTRUSIVE SURVEY	☒	NO		
MEWP/CRANE/SCAFFOLD REQUIREMENTS	☒	NO		
REC SERVICE ALTERATION	☒	NO		
STAT SEARCHES	☒	NO		
GPRS REQUIREMENT	☒	NO		
TENSILE PROOF TESTS (EXISTING POLES)	☒	NO		
TENSILE PROOF TESTS (NEW POLES)	☒	NO		
TOWER CLIMB	☒	NO		
SAFETY SIGNAGE REFRESH	☒	NO		
WIG TO PROVIDE NEW REC SUPPLY	☒	NO		
FABRICATION DRAWINGS REQUIRED	☒	NO		
COLOUR CHART				
BLACK	TEXT, EXISTING BUILDINGS, TOWERS, STRUCTURES, TREES, ETC.			
BLUE	PROPOSED INSTALLATION			
A	DETAILED DESIGN (FIRST ISSUE)	MF RN 14.10.25		
REV	DESCRIPTION OF REVISION	BY CH DATE		
DESIGN CONSULTANT		WIG PROJECT NUMBER		
IMPLEMENTAL LTD.		BAU-C-CNX-1494724 -1-NEWPOP		
Wireless Infrastructure Group				
SUEZ	MBNL	EE H3G		
T1405	HSM025	94724 RH0335		
SITE NAME AND ADDRESS				
BAR COVER FURZEFIELD WEST GRINSTEAD BAR COVER HORSHAM WEST SUSSEX, RH13 8LT				
DRAWING TITLE:				
PROPOSED SCHEDULES				
PURPOSE OF ISSUE:				
DETAILED DESIGN				
DRAWING NUMBER:				
106				
SCALE:		DRAWN:	DATE:	REV:
AS SHOWN @ A3		MF	14.10.25	
CHECKED:	DATE:	APPROVED:	DATE:	
RN	14.10.25	GH	14.10.25	A

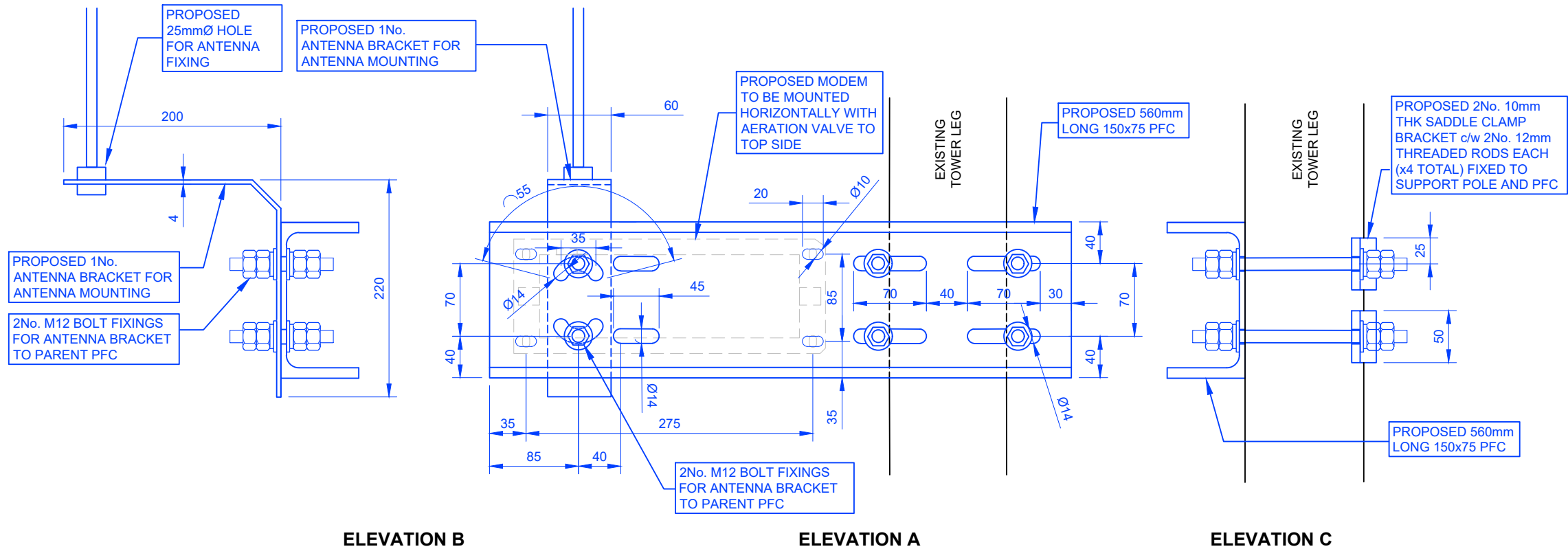


A

100mm
50mm
10mm

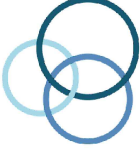


PROPOSED BRACKETRY TO BE UTILISED FOR EITHER OMNI ANTENNA OR MODEM - UNIVERSAL BRACKET SUITABLE FOR EITHER USE



PROPOSED ANTENNA/MODEM BRACKETRY



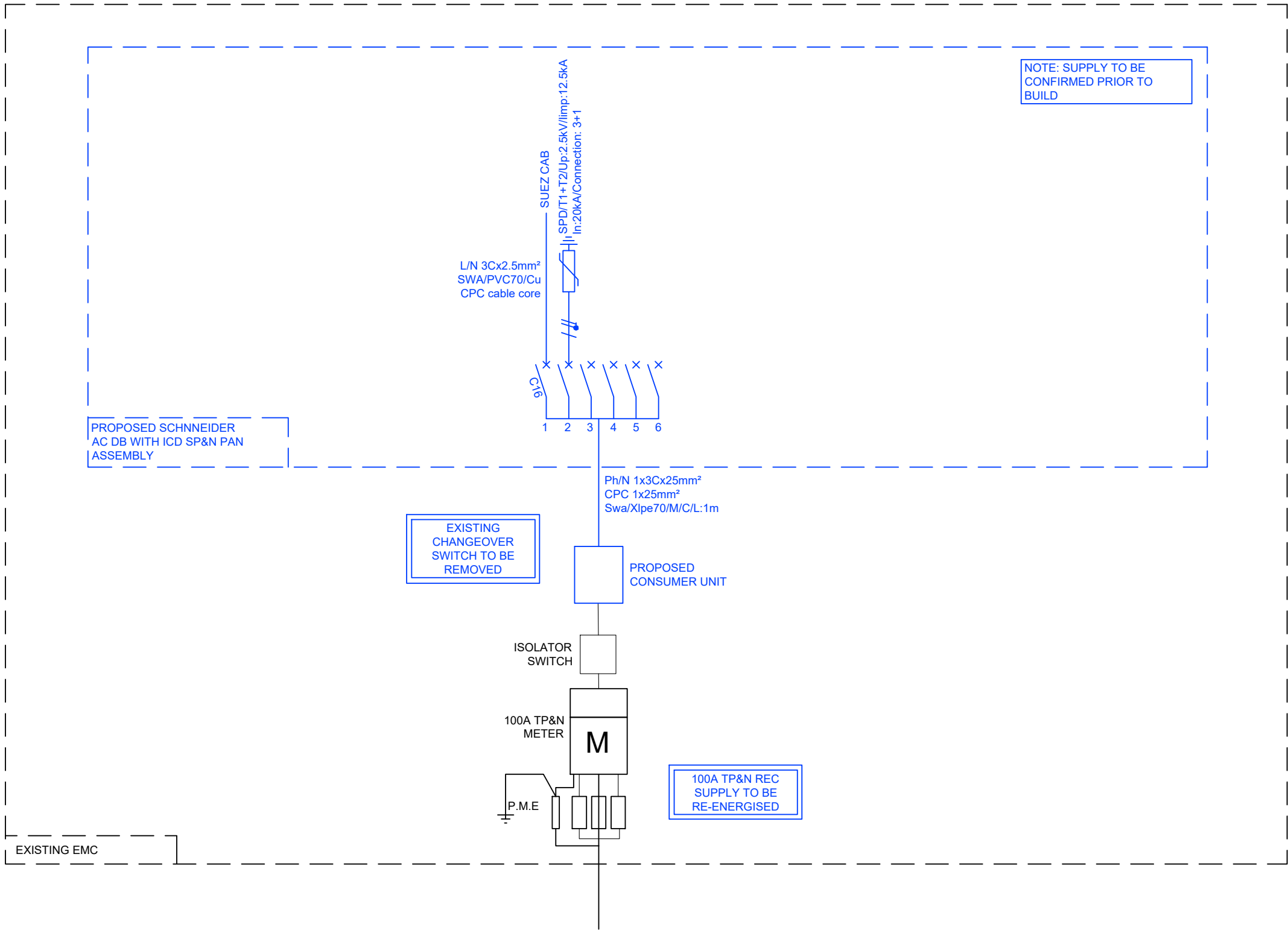
ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE				
N.G.R	E 516598		N 123681	
WHAT 3 WORDS		OUTHOUSE.HUMID.SPIKE		
CONCESSION/FIXIT REQUIRED?			☒	NO
REASON FOR CONCESSION/FIXIT: N/A				
ICNIRP DETAILS IN ACCORDANCE WITH WIG IN ACCORDANCE WITH WIG EMF POLICY W19-EMC-0011-01TS_V0.1				
SITE DESIGN CATEGORY		- GROUND LEVEL PUBLIC ACCESS - TOWER WORKER ONLY ACCESS		
ICNIRP CONTROL MEASURE (IF REQUIRED): NO CONTROL MEASURE REQUIRED				
DEPENDENCIES FOR DETAILED DESIGN/BUILD				
ASBESTOS SURVEY			☒	NO
CHERRY PICKER SURVEY (DESIGN)			☒	NO
COMMS SERVICE ALTERATION			☒	NO
GDC CALCS - TOWER (GF OR RT STUB) / POLE (RT)			☒	NO
GDC CALCS - INTERFACE STEELWORK			☒	NO
GDC CALCS - EXISTING FOUNDATION			☒	NO
GDC CALCS - EXISTING MONOPOLE HD BOLTS			☒	NO
GEOTECH AND/OR TRIAL DIG			☒	NO
ICNIRP CONTROL MEASURES			☒	NO
INTRUSIVE SURVEY			☒	NO
MEWP/CRANE/SCAFFOLD REQUIREMENTS			☒	NO
REC SERVICE ALTERATION			☒	NO
STAT SEARCHES			☒	NO
GPRS REQUIREMENT			☒	NO
TENSILE PROOF TESTS (EXISTING POLES)			☒	NO
TENSILE PROOF TESTS (NEW POLES)			☒	NO
TOWER CLIMB			☒	NO
SAFETY SIGNAGE REFRESH			☒	NO
WIG TO PROVIDE NEW REC SUPPLY			☒	NO
FABRICATION DRAWINGS REQUIRED			☒	NO
COLOUR CHART				
BLACK ——— TEXT, EXISTING BUILDINGS, TOWERS, STRUCTURES, TREES, ETC. BLUE ——— PROPOSED INSTALLATION				
A	DETAILED DESIGN (FIRST ISSUE)	MF	RN	14.10.25
REV	DESCRIPTION OF REVISION	BY	CH	DATE
DESIGN CONSULTANT		WIG PROJECT NUMBER		
IMPLEMENTAL LTD.		BAU-C-CNX-1494724 -1-NEWPOP		
Wireless Infrastructure Group				
SUEZ	MBNL	EE	H3G	
T1405	HSM025	94724	RH0335	
SITE NAME AND ADDRESS				
BAR COVER FURZEFIELD WEST GRINSTEAD BAR COVER HORSHAM WEST SUSSEX, RH13 8LT				
DRAWING TITLE: ANTENNA/MODEM BRACKET DETAILS				
PURPOSE OF ISSUE: DETAILED DESIGN				
DRAWING NUMBER: 108				
SCALE: AS SHOWN @ A3		DRAWN: MF	DATE: 14.10.25	REV:
CHECKED: RN	DATE: 14.10.25	APPROVED: GH	DATE: 14.10.25	A

100mm

50mm

10mm

A3



ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE																								
N.G.R	E 516598		N 123681																					
WHAT 3 WORDS		OUTHOUSE.HUMID.SPIKE																						
CONCESSION/FIXIT REQUIRED?		☒ YES ☐ NO																						
REASON FOR CONCESSION/FIXIT: N/A																								
ICNIRP DETAILS IN ACCORDANCE WITH IN ACCORDANCE WITH WIG EMF POLICY W19-EMC-0011-01TS_v0.1																								
SITE DESIGN CATEGORY		- GROUND LEVEL PUBLIC ACCESS - TOWER WORKER ONLY ACCESS																						
ICNIRP CONTROL MEASURE (IF REQUIRED): NO CONTROL MEASURE REQUIRED																								
DEPENDENCIES FOR DETAILED DESIGN/BUILD																								
ASBESTOS SURVEY		☒	NO																					
CHERRY PICKER SURVEY (DESIGN)		☒	NO																					
COMMS SERVICE ALTERATION		☒	NO																					
GDC CALCS - TOWER (GF OR RT STUB) / POLE (RT)		☒	NO																					
GDC CALCS - INTERFACE STEELWORK		☒	NO																					
GDC CALCS - EXISTING FOUNDATION		☒	NO																					
GDC CALCS - EXISTING MONOPOLE HD BOLTS		☒	NO																					
GEOTECH AND/OR TRIAL DIG		☒	NO																					
ICNIRP CONTROL MEASURES		☒	NO																					
INTRUSIVE SURVEY		☒	NO																					
MEWP/CRANE/SCAFFOLD REQUIREMENTS		☒	NO																					
REC SERVICE ALTERATION		☒	NO																					
STAT SEARCHES		☒	NO																					
GPRS REQUIREMENT		☒	NO																					
TENSILE PROOF TESTS (EXISTING POLES)		☒	NO																					
TENSILE PROOF TESTS (NEW POLES)		☒	NO																					
TOWER CLIMB		☒	NO																					
SAFETY SIGNAGE REFRESH		☒	NO																					
WIG TO PROVIDE NEW REC SUPPLY		☒	NO																					
FABRICATION DRAWINGS REQUIRED		☒	NO																					
COLOUR CHART																								
BLACK		TEXT, EXISTING BUILDINGS, TOWERS, STRUCTURES, TREES, ETC.																						
BLUE		PROPOSED INSTALLATION																						
<table><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td>A</td><td>DETAILED DESIGN (FIRST ISSUE)</td><td>MF</td><td>RN</td><td>14.10.25</td></tr><tr><td>REV</td><td>DESCRIPTION OF REVISION</td><td>BY</td><td>CH</td><td>DATE</td></tr></table>															A	DETAILED DESIGN (FIRST ISSUE)	MF	RN	14.10.25	REV	DESCRIPTION OF REVISION	BY	CH	DATE
A	DETAILED DESIGN (FIRST ISSUE)	MF	RN	14.10.25																				
REV	DESCRIPTION OF REVISION	BY	CH	DATE																				
DESIGN CONSULTANT		WIG PROJECT NUMBER																						
IMPLEMENTAL LTD.		BAU-C-CNX-1494724 -1-NEWPOP																						
SUEZ	MBNL	EE	H3G																					
T1405	HSM025	94724	RH0335																					
SITE NAME AND ADDRESS																								
BAR COVER FURZEFIELD WEST GRINSTEAD BAR COVER HORSHAM WEST SUSSEX, RH13 8LT																								
DRAWING TITLE:																								
ELECTRICAL SCHEMATIC																								
PURPOSE OF ISSUE:																								
DETAILED DESIGN																								
DRAWING NUMBER:																								
109																								
SCALE:		DRAWN:	DATE:	REV:																				
AS SHOWN @ A3		MF	14.10.25																					
CHECKED:	DATE:	APPROVED:	DATE:	A																				
RN	14.10.25	GH	14.10.25																					

100mm

50mm

10mm

ELECTRICAL, LIGHTNING PROTECTION AND EARTHING NOTES

1. Electrical works shall be carried out in keeping with BS 7671:2008 + A3:2015.
2. The lightning protection installation shall be supplied, installed, tested, commissioned and set to work in keeping with BS EN 62305:2008. Works shall encompass best working practices by suitably experienced and qualified personnel.
3. Earthing and bonding works shall comply with BS 7430 2011.
4. All material's shall be the proprietary type as defined in the project specification and/ or construction drawings.
5. Connection of existing or insitu equipment, normally not associated with the installation shall be kept to a minimum. This does not include existing services that may affect the integrity of the equipment under fault conditions.
6. The composite lightning protection system shall achieve a resistivity value < 10 ohms. This value shall be recorded in isolation to any external influences.
7. Where an existing or part existing lightning protection system is adopted for purposes, the specialist Contractor shall verify in advance it's suitability. Verification shall be achieved by a combination of existing test certification, valid to within 1 year and visual inspection. Where existing test certification is not available or has exceeded the due expiry date then the specialist Contractor shall arrange to inspect and re-test the system in line with BS EN 62305.
8. Existing lightning protection systems shall only be upgraded on formal approval from the Design Engineer. Disconnection or modification of any existing lightning protection system, including disconnection for test purposes, shall be undertaken with the written approval of the site provider and the Design Engineer.
9. The following services shall be interconnected directly with the lightning protection system where applicable.
 - supply earth (point of closest proximity).
 - existing facility supply earth.
 - existing lightning protection system.
 - extraneous steel work including associated *containment and grillages(also see note 5).
 - other facility earth bars.
 - service provider earth bars.
 - conductive fences, gates & handrails.
 - antenna support's
 - feeder earth's
 - surface fixed lightning protection tapes shall be the AL 25x3mm insulated type unless specified differently on the construction drawings.
10. Where in contact with other dissimilar metals such as cu electrodes or ferrous supports then bi-metallic connectors shall be used. Where the use of bi-metallic connectors is not possible, al tapes will be duly treated to negate deterioration. Where paste or other similar compounds are used that will require routine maintenance then Small Works Contractor shall indicate those area's on the as-built drawings.
11. Tapes below ground level shall be the bare CU type 25x3mm. Where buried within pedestrian area's, CU services shall be located a minimum 1 metre below finished ground level and insulated up to finished ground level. Within other area's tape conductors shall be located 600mm below finished ground level.
12. All ring conductors shall be complete with a continuous line of marker tape located 300mm below finished ground level. Where installed electrodes shall be complete with a flush fitting concrete inspection chamber and be readily accessible for testing purposes.
13. All inspection chambers shall be complete with test link facility and identified in line with the project specification/ drawings.
14. Lightning protection systems shall be in place and fully functional prior to the erection of any masts, towers, antennas or other such equipment that may increase the likelihood of a lightning strike to the host or adjacent structures.
15. Soil preparation agents shall not be used.
16. Where lightning protection tapes connect to other services, connection shall be achieved via a proprietary bolted connection suitable for the purpose intended. This shall include flexible or braided connections where the

connection may be subject to mechanical stress. Lightning protection tapes shall not be drilled out or penetrated to achieve connection. All termination's shall be suitably protected to negate deterioration.

17. Surface fixed tapes shall be secured at 600mm centres via proprietary PVC insulated clips. Clips shall generally be the self-adhesive type so as to avoid penetrating the building fabric. Screw/cavity fixings shall only be considered where the self-adhesive type are unsuitable and their use will not damage the building fabric.
18. All lightning protection equipment shall be duly identified and signage posted in keeping with BS EN 62305. Detailed wording as per the project specification.
19. Where the source of supply is located external to an existing building, a bonding conductor shall be installed between the new and existing supply earth terminals. This conductor shall be a minimum a 16mm XLPE/PVC GREEN/YELLOW CU cable. Protection as required. Clearly designated "supplementary earth do not remove" (where the nature of the supplies differ, the Small Works Contractor shall advise the Design Engineer).
20. All conductive parts located within the equipotential zone shall be cross-bonded and tied to earth. This shall include non equipment that may effect the equipment or personnel under fault conditions,
21. Continuous containment system runs shall be bonded directly to the lightning protection system at a maximum 20 metre interval. Where bonded directly to the lightning protection system bond's shall be 25x3mm CU. Tape or braid as required. Parallel or dissimilar tray runs shall be cross-bonded, as should conductive fences and gates. 25x3mm CU. Tape or braid as required.
22. Cables shall be supplied in accordance with following :

a) Earth cables shall be single core Ref. 6491X to BS 6004.

b) SWA tpye cables 2,3 or 4core Ref. 6943X to BS 5467.

d) PCM Cables shall be SWA RG59 (VPN 303-223) for external use, complete with IP66 gland CW205/16 (VPN 303-688). Internal use BS20S (VPN 303-224).
23. Cables shall be identified in keeping with the project specification.
24. Where buried electrical cables shall be installed in keeping with the construction drawings and project specification. Prior to the opening of any trenches the Small Works Contractor shall demonstrate that the area to be excavated is free from other services and all necessary safeguards have been put in place to negate risk to site personnel, building fabric, members of the public and Site Provider Employee's.
25. Excavation and electrical isolations shall be done with the full consent of the site provider and under cover of a permit to work system.
26. Containment systems (trunking) shall be the propriety type as detailed on the construction drawings i.e. 50x50mm galvanized trunking c/w removable lid. Containment systems shall be complete prior to cable installation.
27. Bends offsets and other accessories shall be the proprietary type. Site fabricated installations in lieu of manufacturers equipment shall be avoided where practically possible.
28. Cables including communications, power and fire alarm shall be segregated in keeping with the project specification.
29. Distribution boards, Fuse switches and sundries shall be supplied in accordance with the following :

a) 100amp switch disconnecter shall be to BS EN 60947-3.

b) MCB's to BS EN 60898 TYPE B&C.

c) RCD's to BS EN 61008.

d) 7 way DB's to BS EN 60529 for AC mains (SCHNEIDER/HAGAR/DOEPEKE or equivalent) 24 way DB's to BS EN 60529 for cabins / rooms (eg SCHNEIDER/HAGAR/DOEPEKE).

e) Switch fuses 32amp SP&N and TP&N to BS 5419 (MEM 30KXSC2F or equivalent) Switch fuses 63amp SP&N and TP&N to BS 5419 (MEM 63GNC or

equivalent)
Switch fuses 100amp SP&N and TP&N to BS 5419 (MEM 103GNC or equivalent).

- f) Plugs and sockets 16amp IP44 angled in accordance with BS EN 60309-2 (MK Commando 9201 BLU)
Plugs and sockets 16amp IP44 straight in accordance with BS EN 60309-2 (MK Commando 9201 BLU)
Plugs and sockets 16amp IP67 switch outlet in accordance with BS EN 60309-2 (Hubel BK 1663)
RCD 13amp 30ma twin switch socket shall be supplied to BS 7288 metal clad (Volex VT9208 SG).
30. Accessories shall be supplied in accordance with the following :

a) Warning labels shall be supplied to BS 5378.

b) Single PVC back box for alarm connections shall be supplied to BS 5733.

c) Single blank plate engraved alarm contacts for back box shall be supplied to BS 5733.

d) AMP connector strip shall be supplied to BS 5733.

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE				
N.G.R		E 516598		N 123681
WHAT 3 WORDS		OUTHOUSE.HUMID.SPIKE		
CONCESSION/FIXIT REQUIRED?				NO
REASON FOR CONCESSION/FIXIT: N/A				
ICNIRP DETAILS IN ACCORDANCE WITH WITH IN ACCORDANCE WITH WIG EMF POLICY W19-EMC-0011-01TS_V0.1				
SITE DESIGN CATEGORY		GROUND LEVEL PUBLIC ACCESS TOWER WORKER ONLY ACCESS		
ICNIRP CONTROL MEASURE (IF REQUIRED): NO CONTROL MEASURE REQUIRED				
DEPENDENCIES FOR DETAILED DESIGN/BUILD				
ASBESTOS SURVEY				NO
CHERRY PICKER SURVEY (DESIGN)				NO
COMMS SERVICE ALTERATION				NO
GDC CALCS - TOWER (GF OR RT STUB) / POLE (RT)				NO
GDC CALCS - INTERFACE STEELWORK				NO
GDC CALCS - EXISTING FOUNDATION				NO
GDC CALCS - EXISTING MONOPOLE HD BOLTS				NO
GEOTECH AND/OR TRIAL DIG				NO
ICNIRP CONTROL MEASURES				NO
INTRUSIVE SURVEY				NO
MEWP/CRANE/SCAFFOLD REQUIREMENTS				NO
REC SERVICE ALTERATION				NO
STAT SEARCHES				NO
GPRS REQUIREMENT				NO
TENSILE PROOF TESTS (EXISTING POLES)				NO
TENSILE PROOF TESTS (NEW POLES)				NO
TOWER CLIMB				NO
SAFETY SIGNAGE REFRESH				NO
WIG TO PROVIDE NEW REC SUPPLY				NO
FABRICATION DRAWINGS REQUIRED				NO
COLOUR CHART				
BLACK ——— TEXT, EXISTING BUILDINGS, TOWERS, STRUCTURES, TREES, ETC. BLUE ——— PROPOSED INSTALLATION				
A	DETAILED DESIGN (FIRST ISSUE)	MF	RN	14.10.25
REV	DESCRIPTION OF REVISION	BY	CH	DATE
DESIGN CONSULTANT		WIG PROJECT NUMBER		
IMPLEMENTAL LTD.		BAU-C-CNX-1494724 -1-NEWPOP		
Wireless Infrastructure Group				
SUEZ	MBNL	EE	H3G	
T1405	HSM025	94724	RH0335	
SITE NAME AND ADDRESS				
BAR COVER FURZEFIELD WEST GRINSTEAD BAR COVER HORSHAM WEST SUSSEX, RH13 8LT				
DRAWING TITLE: ELECTRICAL NOTES				
PURPOSE OF ISSUE: DETAILED DESIGN				
DRAWING NUMBER: 110				
SCALE: AS SHOWN @ A3		DRAWN: MF	DATE: 14.10.25	REV:
CHECKED: RN	DATE: 14.10.25	APPROVED: GH	DATE: 14.10.25	A

100mm

50mm

10mm

1.0 GENERAL

1.1. Do not scale. All dimensions in mm unless noted otherwise. If in any doubt - please ask!

1.2. Contractor Build Team shall be responsible for confirming dimensions and levels on site prior to the commencement of construction or fabrication.

1.3. Contractor Build Team shall be responsible for setting out the project on site.

1.4. Contractor Build Team shall be responsible for the stability and integrity of existing structures and ground profiles within and adjacent to the works, from the date of taking possession of the site until practical completion of the works. The contractor shall be responsible for the design, installation and maintenance of all necessary temporary works to comply with this requirement.

1.5. Contractor Build Team shall ensure that tolerances are integrated and co-ordinated throughout the works to ensure the efficient implementation of the works.

1.6. Where the existing weatherproof envelope is pierced to implement the works, the contractor shall be responsible for ensuring that ingress of water does not occur during the construction period.

1.7. Deviations between site dimensions, levels or existing details to those shown on the drawings shall be brought to the attention of the Implemental Design Engineer for comment and resolution.

1.8. Preparation, handling and application of the proprietary products shall be all in accordance with the recommendations of the product manufacturer, Health and Safety legislation and the specifications and details of the Implemental Design Engineer. Where contradictions occur between these requirements, reference should be made to the Implemental Design Engineer for resolution.

1.9. Where specific proprietary products are referenced an equal product approved by an Implemental Design Engineer may be substituted, unless noted otherwise.

2.0. FASTENERS AND CONNECTIONS - STEEL TO STEEL

2.1. All steelwork to be BS EN 10025 Grade S275 J0 UNO & hot dipped galvanised to BS EN ISO 1461. (All hollow sections to be grade S275 JOH)

2.2. Steelwork to be fabricated in accordance with the national structural steelwork specifications for building construction (BCSA-3rd edition) and to factory production control BS.EN.1090-1 (CE marking - 1st July 2014)

2.3. All welds to be minimum 6mm fillet weld unless noted otherwise. Welds at tube to tube connections to be full penetration butt welds

2.4. Bolts to be sheradised Grade 8.8 to BS 4190, minimum size 12mm dia U.N.O. Bearing surfaces to be clean galvanised. All connections to have shake proof washers. All bolts shall be sized in length to give a minimum extension beyond the nut of three threads.

2.5. Where connections are made using dissimilar materials, all connections shall be provided with neoprene, 'top-hat' washers, spring washers or other approved barrier between connector and main material, to minimise the risk of bi-metallic (electrolytic) corrosion.

2.6. All steelwork including U-bolts, shims, spacers etc to be hot dip galvanised to BS.EN.ISO.1461:1999 (after completion of fabrication works) by a member of the galvanisers association

2.7. Minor site erection damage to be made good with brush applied Galvalfroid

3.0. FASTENERS AND CONNECTIONS - STEEL TO CONCRETE OR MASONRY

3.1. The preferred method of fixing structural fixings into solid concrete or masonry walls shall be through-bolt fixings unless specified otherwise. Where the through-bolt fixings cannot be achieved resin anchor fixings should be utilised upon consultation with Implemental Design Engineer.

3.2 All resin anchors into solid concrete shall be Hilti HIT HY200 resin injection system with HIT-Z-R stainless steel anchor components, or similar approved, unless noted otherwise.

3.3. All resin anchors into solid brickwork or other solid masonry shall be Hilti HIT HY-70 resin injection system with HAS-R stainless steel anchor components, or similar approved, unless noted otherwise.

3.4. Minimum embedment depths of anchors shall be as follows: (UNO)

Material	Anchor diameter	Minimum embedment depth (mm)
Solid brick or stone	M10	90
Solid brick or stone	M12	110
Solid concrete	M10	90
Solid concrete	M12	110
Solid concrete	M16	125
Solid concrete	M20	170
Embedment lengths are stated in the Hilti technical literature		

3.5. Where a connection is made between dissimilar metals, all connections shall be provided with neoprene, 'top-hat' washers/spring washers or other approved barrier between connector and main material, to minimise the risk of bi-metallic (electrolytic) corrosion.

3.6. Where appropriate, taper washers shall be used in bolted connections.

3.7. Where a connection is subject to vibration or cyclic loading use shall be made of locknuts, lockwashers, spring washers or other approved methods, as indicated on the drawing by the Implemental Design Engineer, to minimise the risk of loosening of the connectors.

3.8. Anchors shall be tested in accordance with 'Construction Fixings Association Guidance Note : Procedure for Testing Construction Fixings' and 'BS 8539:2012'

3.9. The testing rate of anchors shall be 5 no. fixings or 2.5% of the total no. of fixings of each size and type, whichever gives the greater number. For situations where there are less than 5 no. anchors of any type or size then all anchors shall be tested. Where the project specifications deviate from this testing frequency, the project specifications shall take priority.

3.10. The Implemental Design Engineer shall be advised a minimum of 48 hours in advance to afford the opportunity of witnessing the test.

3.11. All tests shall be carried out to the following test loads: (UNO)

Material	Anchor diameter	Test load (kN)
Solid brick or stone	M10	3.0
Solid brick or stone	M12	3.5
Solid concrete	M10	6.3
Solid concrete	M12	9.5
Solid concrete	M16	12.1
Solid concrete	M20	20
Test load is based on 1.0 x Nrec (fcc = 33 Nmm²) for solid brickwork and 1.0 x FREC (fcc = 30 Nmm²) obtained from the Hilti technical literature		

3.12. All tests shall be documented with location sketches and unique references for each bolt tested, in such a manner that each test location can be identified on site from the documentation.

3.13. All nuts, bolts and studdings used in connections to porous materials shall be stainless steel.

4.0 CONCRETE

Unless noted otherwise all concrete shall be:

Concrete Grade C28/35 (in accordance with BS8500:2015)
Minimum cement content 330 kg.m

Nominal aggregate size 20mm
Maximum free water/cement ratio: 0.5

4.1 Unless noted otherwise all reinforcement shall be:
(a) High yield (fy = 460Nmm²) type 2 deformed bar reinforcement to BS 4449:2005 +A2:2009
(b) Mild steel (fy = 250Nmm²) plain round reinforcement bars to BS 4449:2005 +A2:2009
(c) Welded steel mesh reinforcement to BS EN 10080:2005
(d) Scheduled and dimensioned to BS 8666:2005

4.2 All concrete reinforcement and cast items shall be positively located in position prior to casting of the concrete

4.3 Concrete in each base shall be cast in a single continuous operation

4.4 Concrete shall not be cast where the ambient temperature is 2 degrees centigrade and falling or less than 2 degrees on a rising thermometer

4.5 Finished where stated shall be:

4.5.1 Formed finish - basic as struck
4.5.2 Worked finish - brush finish

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R

E 516598

N 123681

WHAT 3 WORDS

OUTHOUSE.HUMID.SPIKE

CONCESSION/FIXIT REQUIRED?

YES

NO

REASON FOR CONCESSION/FIXIT:

N/A

ICNIRP DETAILS

IN ACCORDANCE WITH IN ACCORDANCE WITH WIG EMF POLICY W19-EMC-0011-01TS_V0.1

SITE DESIGN CATEGORY

GROUND LEVEL PUBLIC ACCESS

TOWER WORKER ONLY ACCESS

ICNIRP CONTROL MEASURE (IF REQUIRED):

NO CONTROL MEASURE REQUIRED

DEPENDENCIES FOR DETAILED DESIGN/BUILD

ASBESTOS SURVEY		NO
CHERRY PICKER SURVEY (DESIGN)		NO
COMMS SERVICE ALTERATION		NO
GDC CALCS - TOWER (GF OR RT STUB) / POLE (RT)		NO
GDC CALCS - INTERFACE STEELWORK		NO
GDC CALCS - EXISTING FOUNDATION		NO
GDC CALCS - EXISTING MONOPOLE HD BOLTS		NO
GEOTECH AND/OR TRIAL DIG		NO
ICNIRP CONTROL MEASURES		NO
INTRUSIVE SURVEY		NO
MEWP/CRANE/SCAFFOLD REQUIREMENTS		NO
REC SERVICE ALTERATION		NO
STAT SEARCHES		NO
GPRS REQUIREMENT		NO
TENSILE PROOF TESTS (EXISTING POLES)		NO
TENSILE PROOF TESTS (NEW POLES)		NO
TOWER CLIMB		NO
SAFETY SIGNAGE REFRESH		NO
WIG TO PROVIDE NEW REC SUPPLY		NO
FABRICATION DRAWINGS REQUIRED		NO

COLOUR CHART

BLACK

TEXT, EXISTING BUILDINGS, TOWERS, STRUCTURES, TREES, ETC.

BLUE

PROPOSED INSTALLATION

A	DETAILED DESIGN (FIRST ISSUE)	MF	RN	14.10.25
REV	DESCRIPTION OF REVISION	BY	CH	DATE

DESIGN CONSULTANT

WIG PROJECT NUMBER

IMPLEMENTAL LTD.

BAU-C-CNX-1494724 -1-NEWPOP

Wireless Infrastructure Group

SUEZ

MBNL

EE

H3G

T1405

HSM025

94724

RH0335

SITE NAME AND ADDRESS

BAR COVER FURZEFIELD

WEST GRINSTEAD

BAR COVER

HORSHAM

WEST SUSSEX, RH13 8LT

DRAWING TITLE:

GENERAL NOTES

PURPOSE OF ISSUE:

DETAILED DESIGN

DRAWING NUMBER:

111

SCALE:

AS SHOWN @ A3

DRAWN:

MF

DATE:

14.10.25

REV:

CHECKED:

RN

DATE:

14.10.25

APPROVED:

GH

DATE:

14.10.25

A