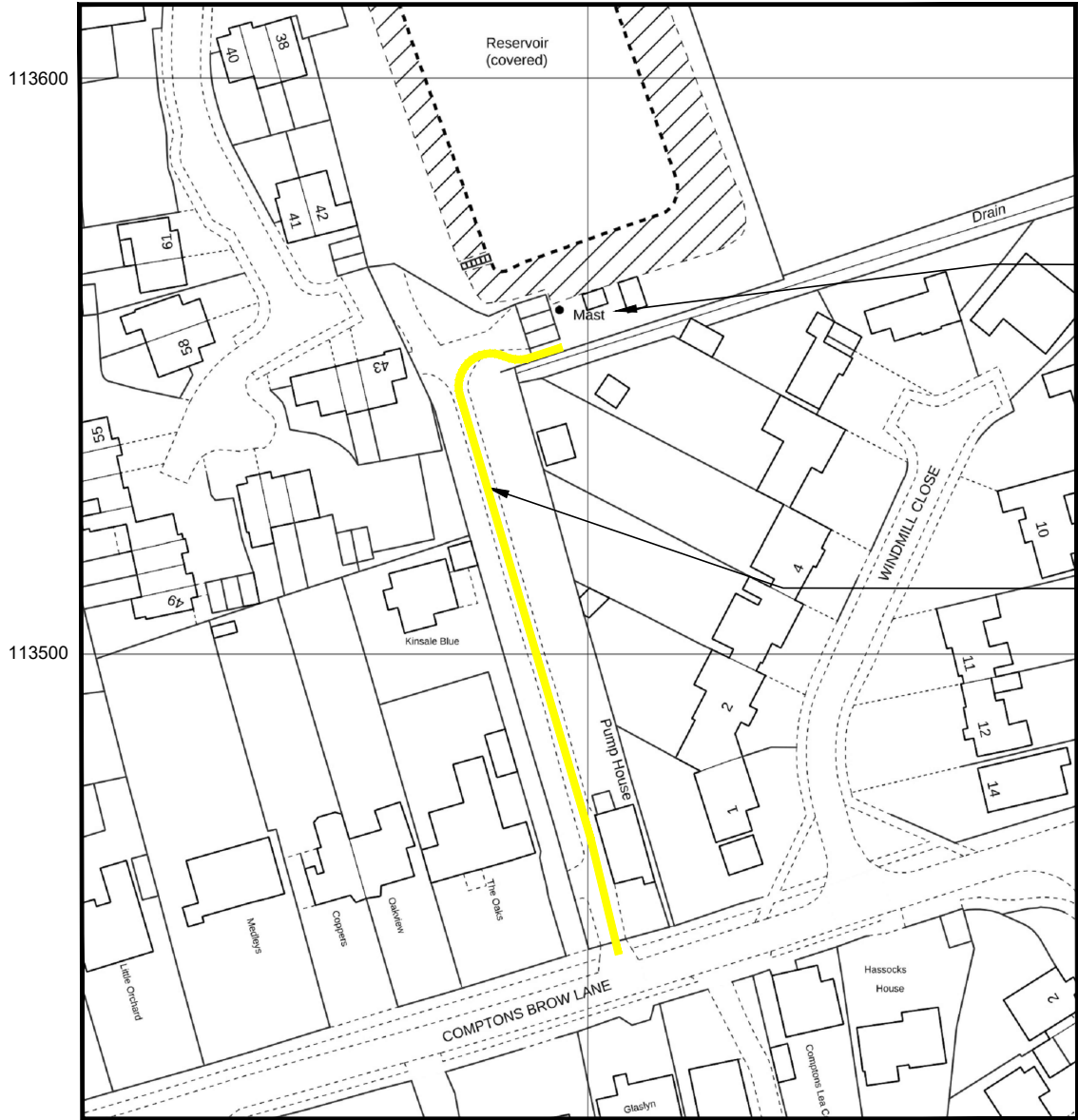
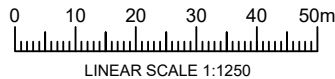




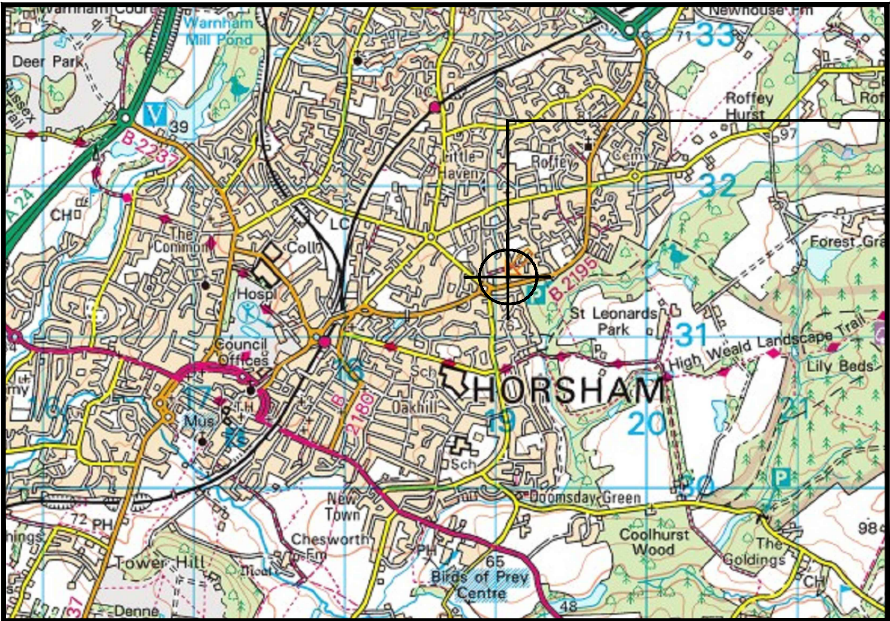
EXISTING SITE LOCATION

ACCESS TO SITE OF COMPTONS BROW LANE

BLOCK PLAN



GOOGLE MAPS QR CODE



SITE LOCATION

LOCATION PLAN



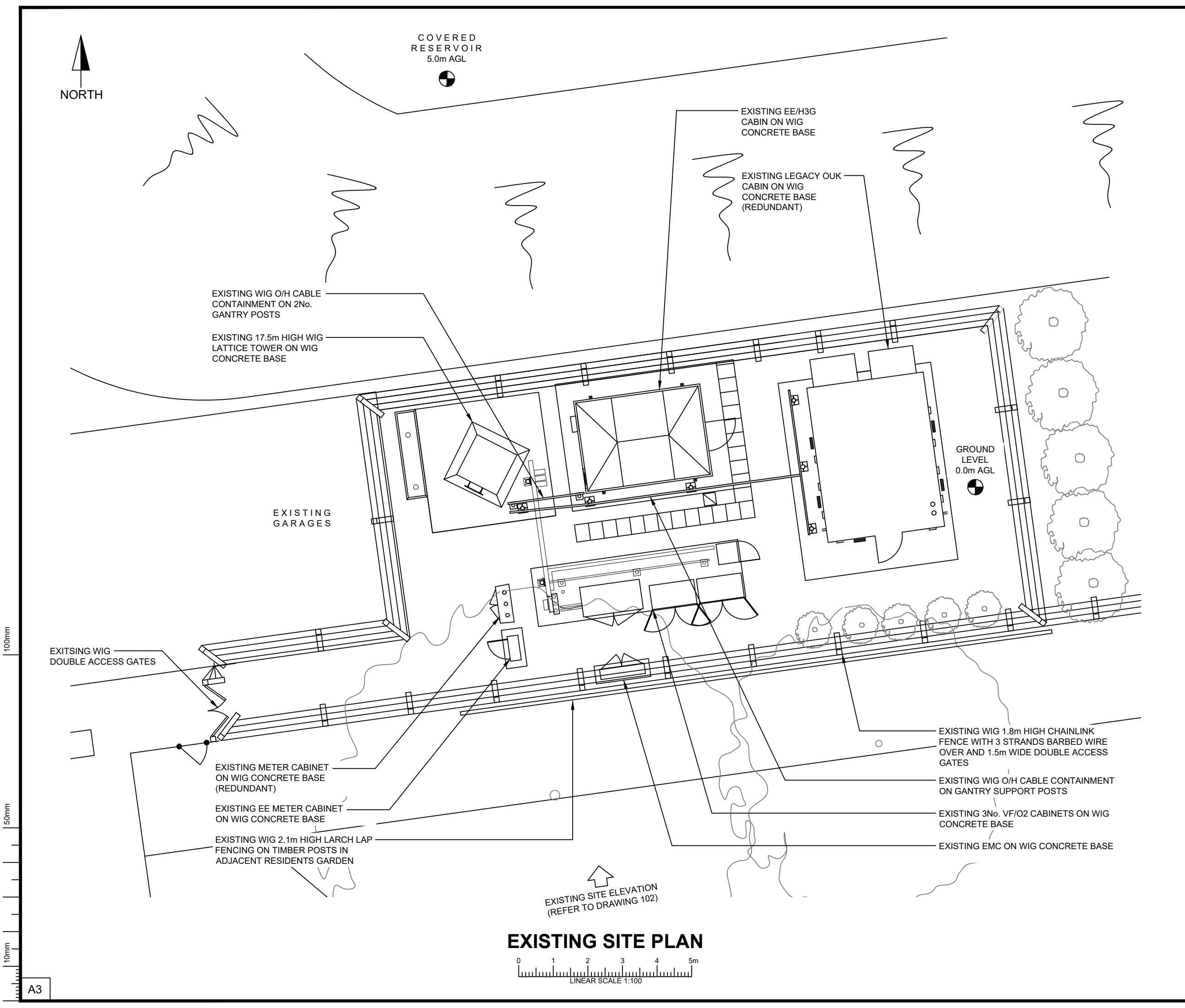
LINEAR SCALE 1:50000



PHOTOGRAPH OF EXISTING SITE

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 519099 N 131560																						
WHAT 3 WORDS	FLYING.MODES.EDIT																						
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																						
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A	DETAILED DESIGN (FIRST ISSUE)	MF	RN	15.10.2025																			
REV	DESCRIPTION OF REVISION	BY	CH	DATE																			
DESIGN CONSULTANT		WIG PROJECT NUMBER																					
IMPLEMENTAL LTD.		BAU-B-SWS0151-13-NEWPOP																					
Wireless Infrastructure Group																							
SUEZ	MBNL	EE	H3G																				
G162	HSM024	94720	RH0334																				
SITE NAME AND ADDRESS																							
NEW STAR RESERVOIR COMPTONS BROW LANE HORSHAM REDHILL RH13 6BX																							
DRAWING TITLE: LOCATION AND BLOCK PLANS																							
PURPOSE OF ISSUE: DETAILED DESIGN																							
DRAWING NUMBER: 100																							
SCALE: AS SHOWN @ A3		DRAWN: MF	DATE: 15.10.2025																				
CHECKED: RN	DATE: 15.10.2025	APPROVED: GH	DATE: 15.10.2025																				
			REV: A																				



ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 519099	N 131560
WHAT 3 WORDS	FLYING.MODES.EDIT	
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.

A	DETAILED DESIGN (FIRST ISSUE)	MF	RN	15.10.2025
REV	DESCRIPTION OF REVISION	BY	CH	DATE

DESIGN CONSULTANT	WIG PROJECT NUMBER
IMPLEMENTAL LTD.	BAU-B-SWS0151-13-NEWPOP

Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
G162	HSM024	94720	RH0334

SITE NAME AND ADDRESS

NEW STAR RESERVOIR
COMPTONS BROW LANE
HORSHAM
REDHILL
RH13 6BX

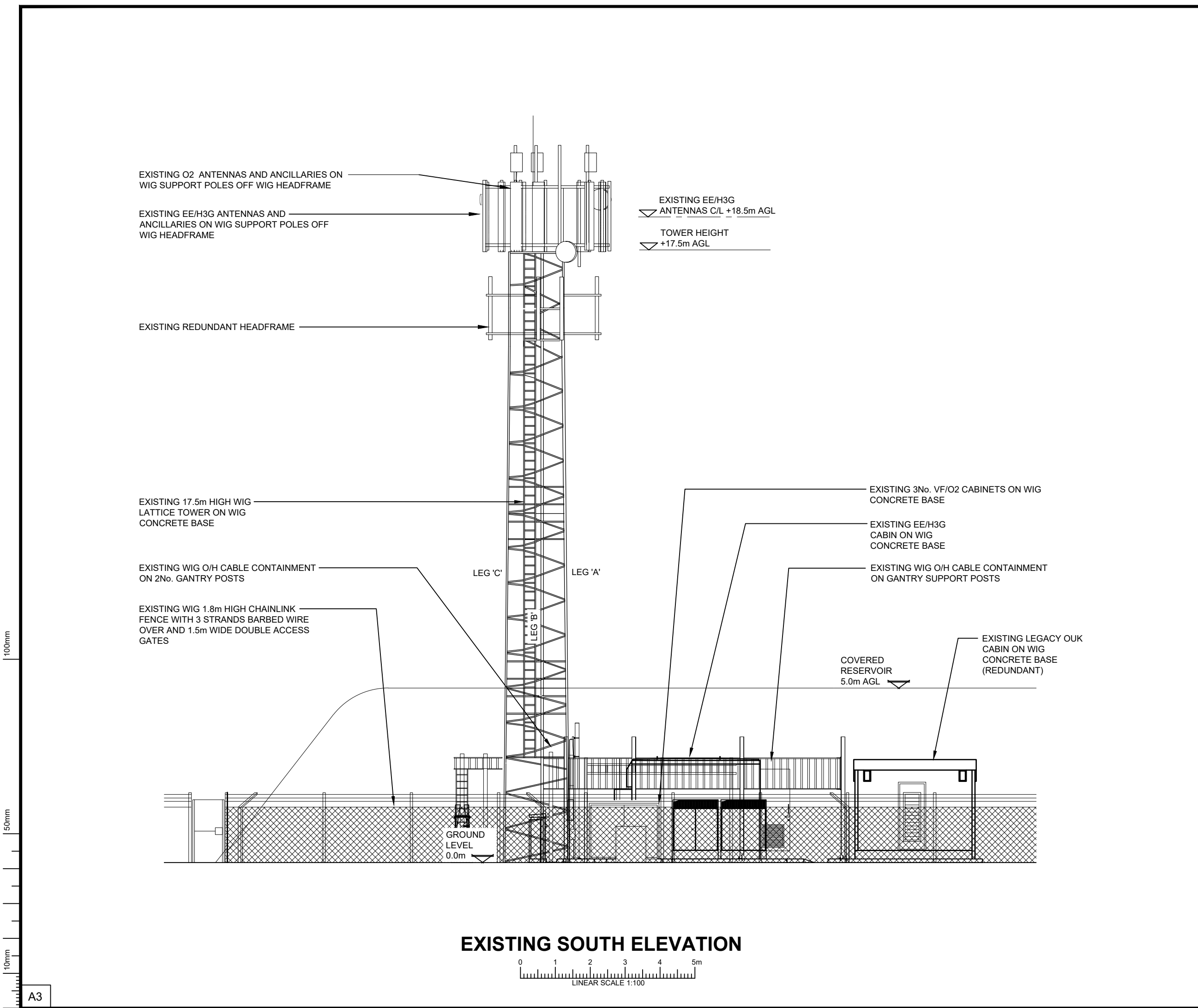
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EXISTING SITE PLAN

PURPOSE OF ISSUE:
DETAILED DESIGN

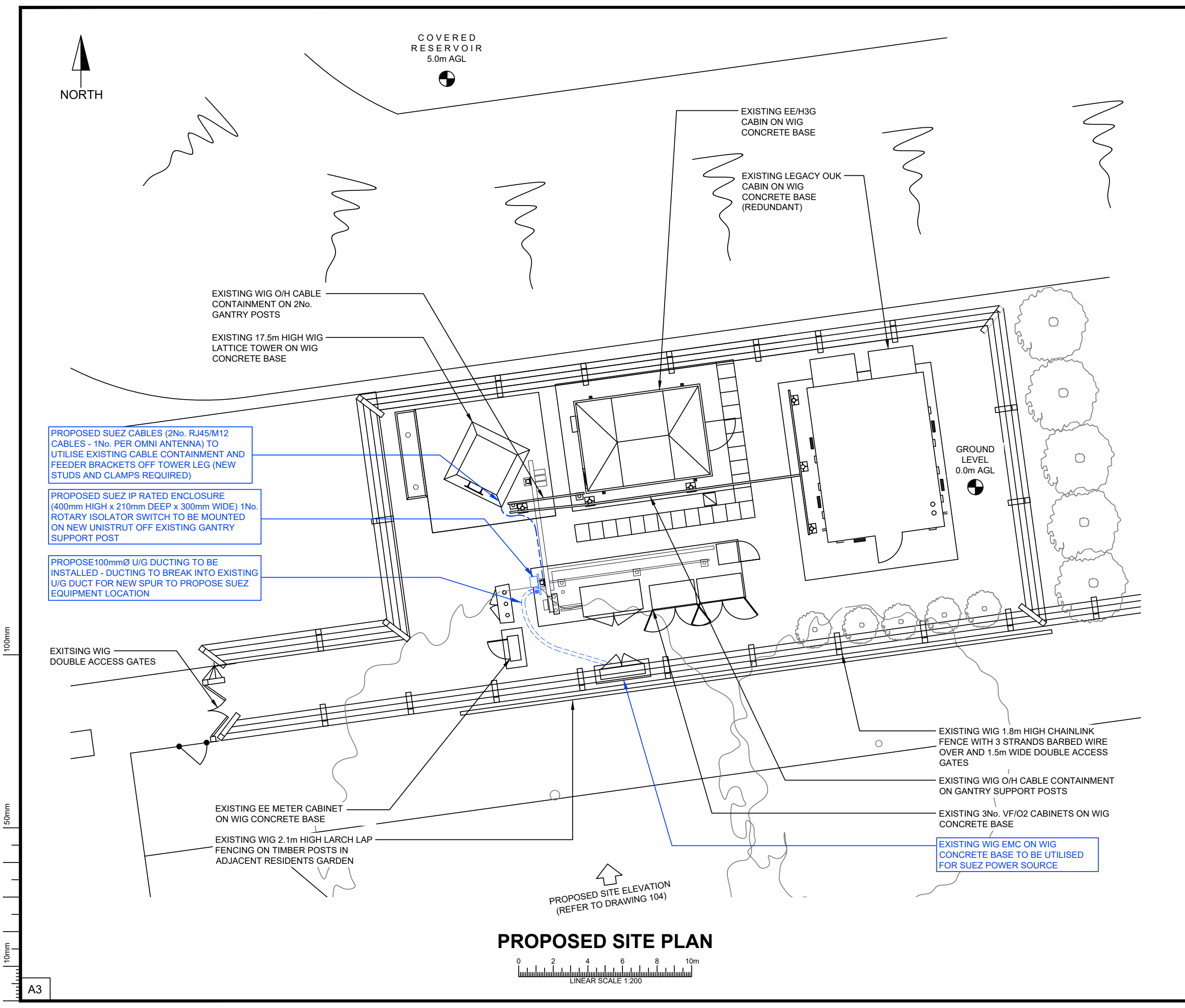
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101

SCALE: AS SHOWN @ A3	DRAWN: MF	DATE: 15.10.2025	REV:
CHECKED: RN	DATE: 15.10.2025	APPROVED: GH	DATE: 15.10.2025

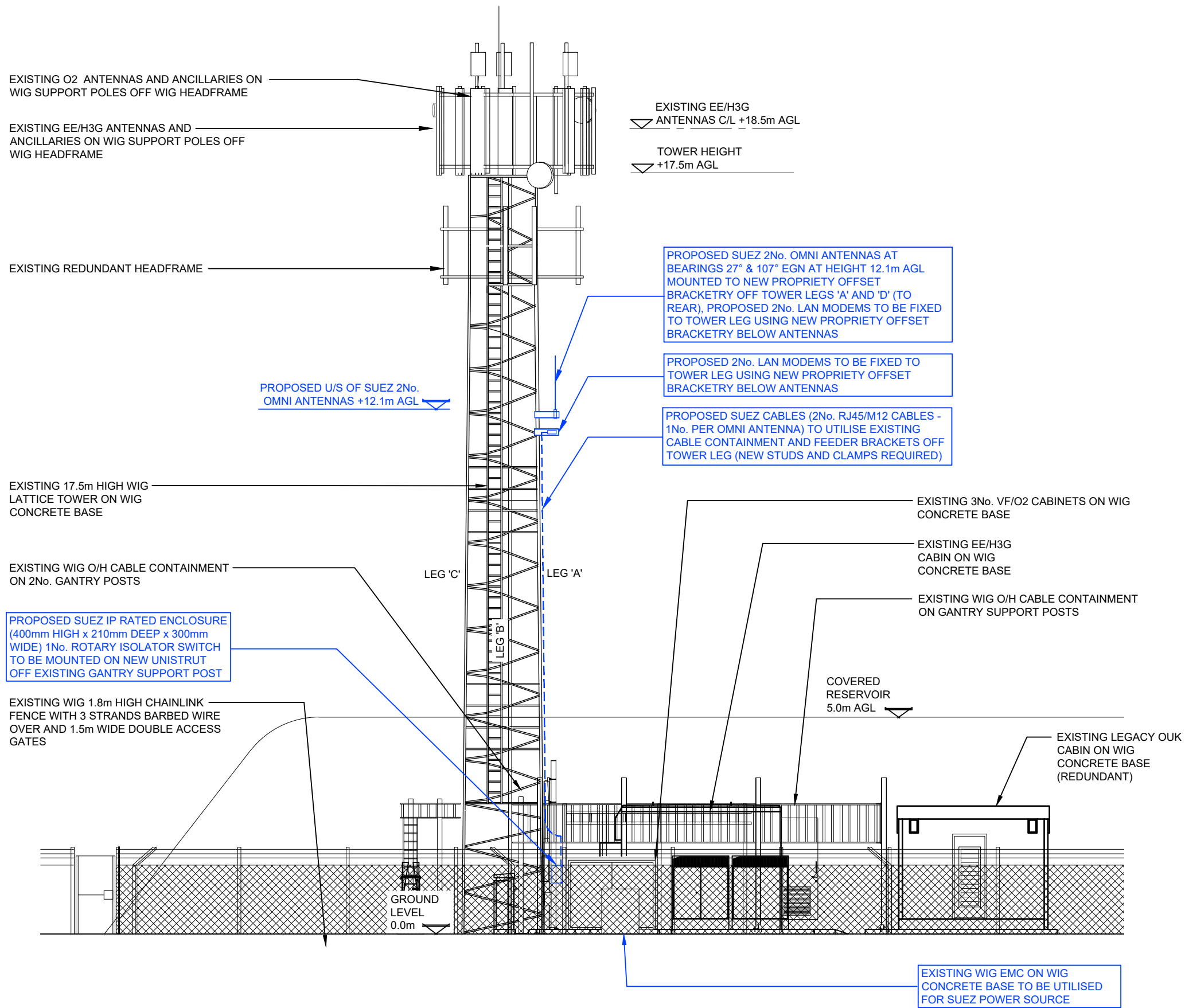
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ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE				
N.G.R	E 519099		N 131560	
WHAT 3 WORDS		FLYING.MODES.EDIT		
CONCESSION/FIXIT REQUIRED?			YES	NO
REASON FOR CONCESSION/FIXIT: N/A				
ICNIRP DETAILS IN ACCORDANCE WITH WITH IN ACCORDANCE WITH WIG EMF 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			YES	NO
CHERRY PICKER SURVEY (DESIGN)			YES	NO
COMMS SERVICE ALTERATION			YES	NO
GDC CALCS - TOWER (GF OR RT STUB) / POLE (RT)			YES	NO
GDC CALCS - INTERFACE STEELWORK			YES	NO
GDC CALCS - EXISTING FOUNDATION			YES	NO
GDC CALCS - EXISTING MONOPOLE HD BOLTS			YES	NO
GEOTECH AND/OR TRIAL DIG			YES	NO
ICNIRP CONTROL MEASURES			YES	NO
INTRUSIVE SURVEY			YES	NO
MEWP/CRANE/SCAFFOLD REQUIREMENTS			YES	NO
REC SERVICE ALTERATION			YES	NO
STAT SEARCHES			YES	NO
GPRS REQUIREMENT			YES	NO
TENSILE PROOF TESTS (EXISTING POLES)			YES	NO
TENSILE PROOF TESTS (NEW POLES)			YES	NO
TOWER CLIMB			YES	NO
SAFETY SIGNAGE REFRESH			YES	NO
WIG TO PROVIDE NEW REC SUPPLY			YES	NO
FABRICATION DRAWINGS REQUIRED			YES	NO
COLOUR CHART				
BLACK ——— TEXT, EXISTING BUILDINGS, TOWERS, STRUCTURES, TREES, ETC.				
A	DETAILED DESIGN (FIRST ISSUE)		MF	RN 15.10.2025
REV	DESCRIPTION OF REVISION		BY	CH DATE
DESIGN CONSULTANT		WIG PROJECT NUMBER		
IMPLEMENTAL LTD.		BAU-B-SWS0151-13-NEWPOP		
Wireless Infrastructure Group				
SUEZ	MBNL	EE	H3G	
G162	HSM024	94720	RH0334	
SITE NAME AND ADDRESS				
NEW STAR RESERVOIR COMPTONS BROW LANE HORSHAM REDHILL RH13 6BX				
DRAWING TITLE: EXISTING ELEVATION				
PURPOSE OF ISSUE: DETAILED DESIGN				
DRAWING NUMBER: 102				
SCALE: AS SHOWN @ A3		DRAWN: MF	DATE: 15.10.2025	REV:
CHECKED: RN	DATE: 15.10.2025	APPROVED: GH	DATE: 15.10.2025	A



ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE				
N.G.R	E 519099		N 131560	
WHAT 3 WORDS	FLYING.MODES.EDIT			
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			YES	NO
CHERRY PICKER SURVEY (DESIGN)			YES	NO
COMMS SERVICE ALTERATION			YES	NO
GDC CALCS - TOWER (GF OR RT STUB) / POLE (RT)			YES	NO
GDC CALCS - INTERFACE STEELWORK			YES	NO
GDC CALCS - EXISTING FOUNDATION			YES	NO
GDC CALCS - EXISTING MONOPOLE HD BOLTS			YES	NO
GEOTECH AND/OR TRIAL DIG			YES	NO
ICNIRP CONTROL MEASURES			YES	NO
INTRUSIVE SURVEY			YES	NO
MEWP/CRANE/SCAFFOLD REQUIREMENTS			YES	NO
REC SERVICE ALTERATION			YES	NO
STAT SEARCHES			YES	NO
GPRS REQUIREMENT			YES	NO
TENSILE PROOF TESTS (EXISTING POLES)			YES	NO
TENSILE PROOF TESTS (NEW POLES)			YES	NO
TOWER CLIMB			YES	NO
SAFETY SIGNAGE REFRESH			YES	NO
WIG TO PROVIDE NEW REC SUPPLY			YES	NO
FABRICATION DRAWINGS REQUIRED			YES	NO
COLOUR CHART				
BLACK		TEXT, EXISTING BUILDINGS, TOWERS, STRUCTURES, TREES, ETC.		
BLUE		PROPOSED INSTALLATION		
A	DETAILED DESIGN (FIRST ISSUE)	MF	RN	15.10.2025
REV	DESCRIPTION OF REVISION	BY	CH	DATE
DESIGN CONSULTANT		WIG PROJECT NUMBER		
IMPLEMENTAL LTD.		BAU-B-SWS0151-13-NEWPOP		
Wireless Infrastructure Group				
SUEZ	MBNL	EE	H3G	
G162	HSM024	94720	RH0334	
SITE NAME AND ADDRESS				
NEW STAR RESERVOIR COMPTONS BROW LANE HORSHAM REDHILL RH13 6BX				
DRAWING TITLE: PROPOSED SITE PLAN				
PURPOSE OF ISSUE: DETAILED DESIGN				
DRAWING NUMBER: 103				
SCALE: AS SHOWN @ A3		DRAWN: MF	DATE: 15.10.2025	REV: A
CHECKED: RN	DATE: 15.10.2025	APPROVED: GH	DATE: 15.10.2025	



PROPOSED SOUTH ELEVATION

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 519099	N 131560
WHAT 3 WORDS	FLYING.MODES.EDIT	
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	15.10.2025
REV	DESCRIPTION OF REVISION	BY	CH	DATE

DESIGN CONSULTANT	WIG PROJECT NUMBER
IMPLEMENTAL LTD.	BAU-B-SWS0151-13-NEWPOP

Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
G162	HSM024	94720	RH0334

SITE NAME AND ADDRESS

NEW STAR RESERVOIR
COMPTONS BROW LANE
HORSHAM
REDHILL
RH13 6BX

DRAWING TITLE:

PROPOSED ELEVATION

PURPOSE OF ISSUE:

DETAILED DESIGN

DRAWING NUMBER:

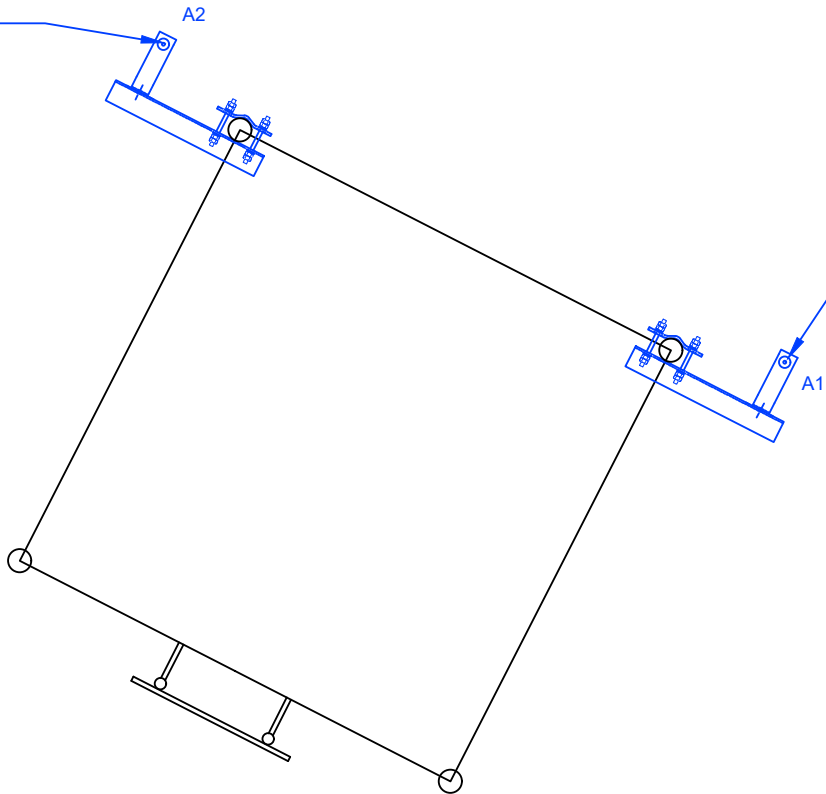
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SCALE:	DRAWN:	DATE:	REV:
AS SHOWN @ A3	MF	15.10.2025	
CHECKED:	DATE:	APPROVED:	DATE:
RN	15.10.2025	GH	15.10.2025

A



PROPOSED SUEZ 1No. OMNI ANTENNA AT BEARINGS 207° EGN AT HEIGHT 12.1m 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 27° EGN AT HEIGHT 12.1m 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 @ 12.1m AGL



ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R

E 519099

N 131560

WHAT 3 WORDS

FLYING.MODES.EDIT

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	15.10.2025
REV	DESCRIPTION OF REVISION	BY	CH	DATE

DESIGN CONSULTANT

WIG PROJECT NUMBER

IMPLEMENTAL LTD.

BAU-B-SWS0151-13-NEWPOP

Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
G162	HSM024	94720	RH0334

SITE NAME AND ADDRESS

NEW STAR RESERVOIR
COMPTONS BROW LANE
HORSHAM
REDHILL
RH13 6BX

DRAWING TITLE:

PROPOSED ANTENNA PLAN

PURPOSE OF ISSUE:

DETAILED DESIGN

DRAWING NUMBER:

105

SCALE:

AS SHOWN @ A3

DRAWN:

MF

DATE:

15.10.2025

REV:

A

CHECKED:

RN

DATE:

15.10.2025

APPROVED:

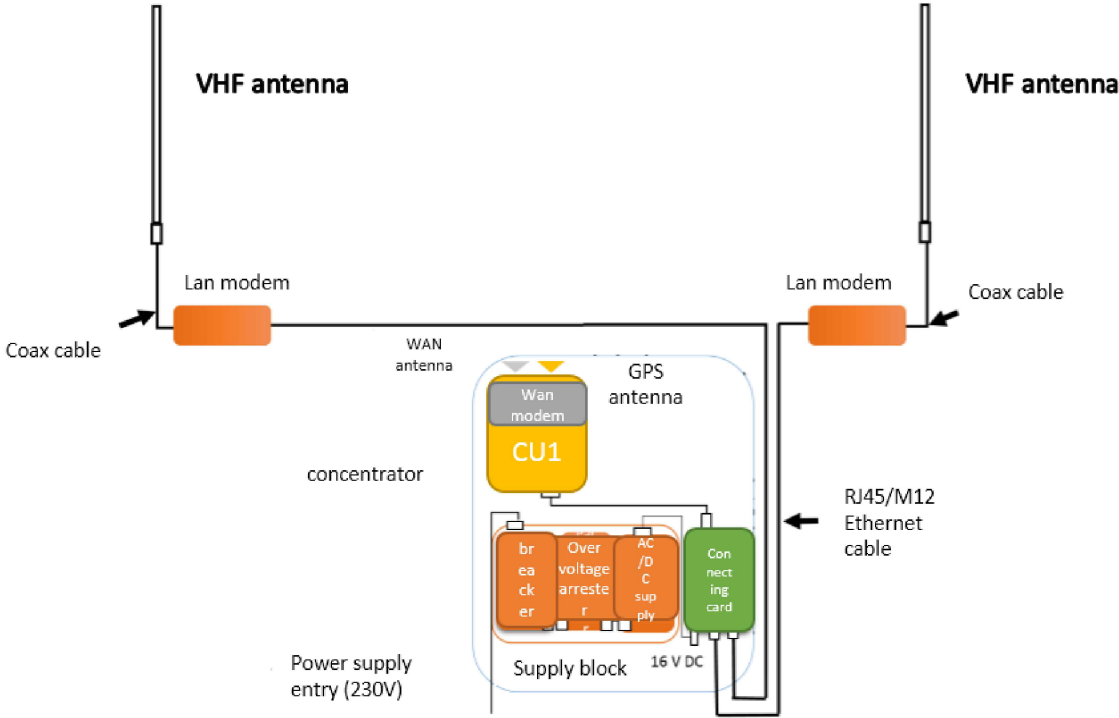
GH

DATE:

15.10.2025

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	27°	0°	12.1m	A1	●							x1	-	-	-	-	1No. RJ45/M12 CABLE 25m	-	-	-	-	TO BE INSTALLED ON NEW OFFSET BRACKETRY
SECTOR 2	PROP	SUEZ	OMNI ANTENNA	1230mm LONG 1kg	207°	0°	12.1m	A2	●							x1	-	-	-	-	1No. RJ45/M12 CABLE 25m	-	-	-	-	
TOTAL No.																-	-	-	-	2	-	-	-	-	-	

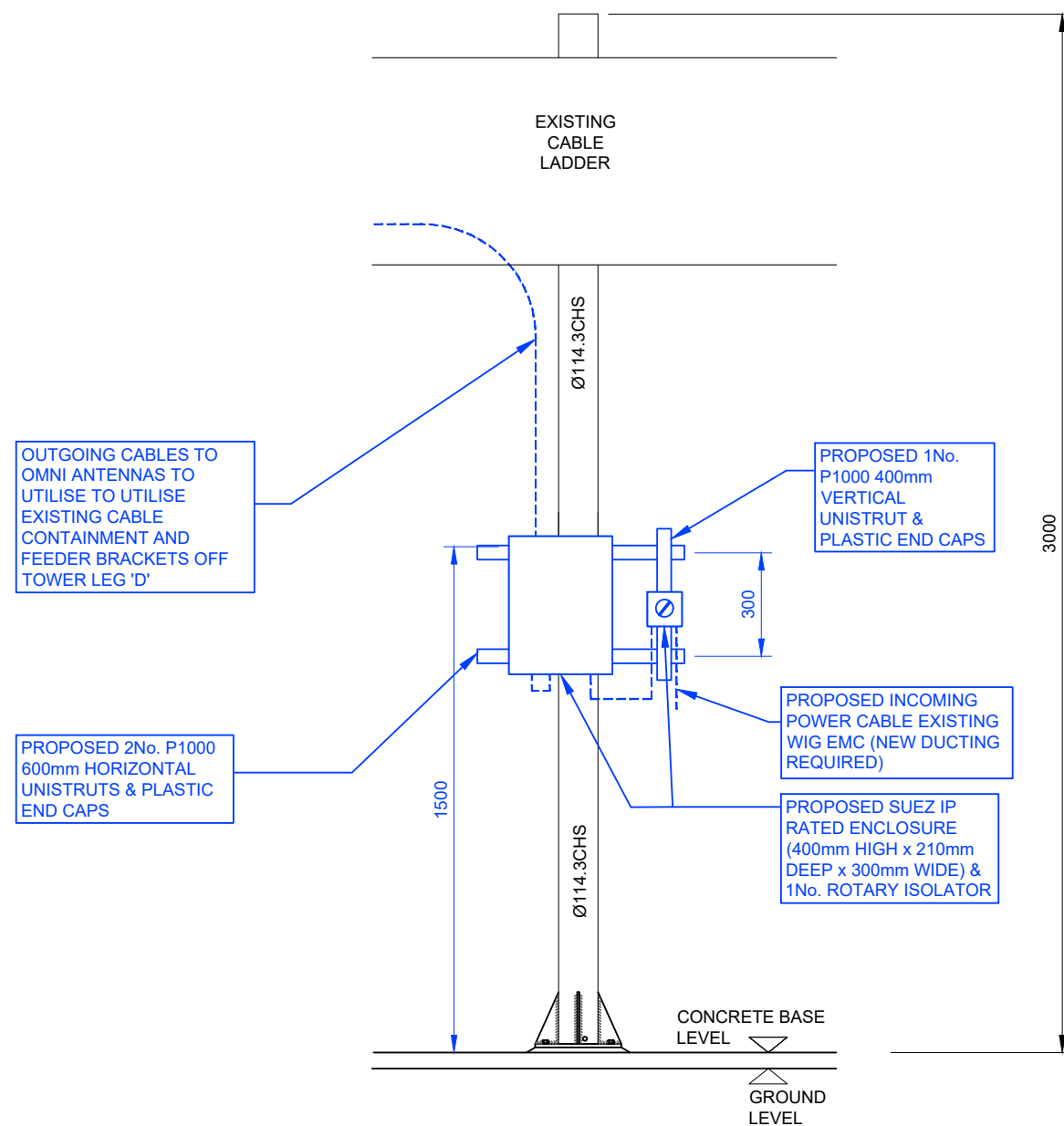
PROPOSED EQUIPMENT KEY					
OPERATOR	EXISTING/ PROPOSED	CABINET RACK/TYPE	SIZE (WxDxH mm)	COLOUR	COMMENTS
SUEZ	PROPOSED	IP RATED ENCLOSURE	400x210x300	STANDARD	TO BE INSTALLED ON PROPOSED UNISTRUT SECTIONS OFF EXISTING GANTRY SUPPORT POLE



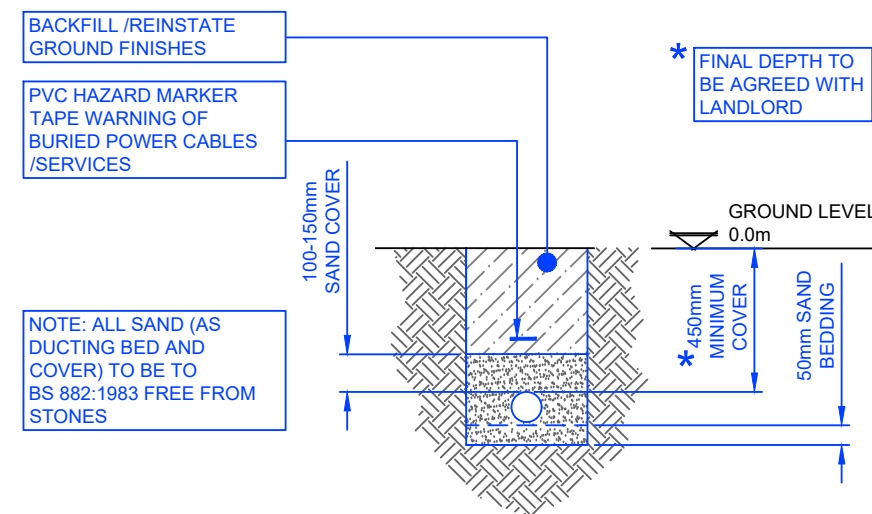
ANTENNA SCHEMATIC

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 519099	N 131560		
WHAT 3 WORDS	FLYING.MODES.EDIT			
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	15.10.2025
REV	DESCRIPTION OF REVISION	BY	CH	DATE
DESIGN CONSULTANT		WIG PROJECT NUMBER		
IMPLEMENTAL LTD.		BAU-B-SWS0151-13-NEWPOP		
SUEZ	MBNL	EE	H3G	
G162	HSM024	94720	RH0334	
SITE NAME AND ADDRESS				
NEW STAR RESERVOIR COMPTONS BROW LANE HORSHAM REDHILL RH13 6BX				
DRAWING TITLE: PROPOSED SCHEDULES				
PURPOSE OF ISSUE: DETAILED DESIGN				
DRAWING NUMBER: 106				
SCALE: AS SHOWN @ A3		DRAWN: MF	DATE: 15.10.2025	REV:
CHECKED: RN	DATE: 15.10.2025	APPROVED: GH	DATE: 15.10.2025	A



CONCENTRATOR MOUNTING DETAILS



PROPOSED 100mm Ø DUCT DETAIL



ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE			
N.G.R	E 519099	N 131560	
WHAT 3 WORDS		FLYING.MODES.EDIT	
CONCESSION/FIXIT REQUIRED?		☒	NO
<u>REASON FOR CONCESSION/FIXIT:</u>			
N/A			

<u>ICNIRP DETAILS</u> 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	15.10.2025
REV	DESCRIPTION OF REVISION	BY	CH	DATE

DESIGN CONSULTANT	WIG PROJECT NUMBER
IMPLEMENTAL LTD.	BAU-B-SWS0151-13-NEWPOP



SUEZ	MBNL	EE	H3G
G162	HSM024	94720	RH0334

SITE NAME AND ADDRESS
NEW STAR RESERVOIR COMPTONS BROW LANE HORSHAM REDHILL RH13 6BX

DRAWING TITLE: **CONCENTRATOR
MOUNTING DETAILS**

PURPOSE OF ISSUE:

DETAILED DESIGN

DRAWING NUMBER: **107**

SCALE: AS SHOWN @ A3		DRAWN: MF	DATE: 15.10.2025	REV:
CHECKED: RN	DATE: 15.10.2025	APPROVED: GH	DATE: 15.10.2025	A

100mm

50mm

10mm

A3

PROPOSED 25mmØ HOLE FOR ANTENNA FIXING

PROPOSED 1No. ANTENNA BRACKET FOR ANTENNA MOUNTING

2No. M12 BOLT FIXINGS FOR ANTENNA BRACKET TO PARENT PFC

PROPOSED MODEM TO BE MOUNTED HORIZONTALLY WITH AERATION VALVE TO TOP SIDE

PROPOSED 2No. 10mm THK SADDLE CLAMP BRACKET WITH 2No. 14mmØ 28mm LONG SLOTTED HOLES c/w 2No. 12mm THREADED RODS EACH (x4 TOTAL) FIXED TO TOWER LEG AND PFC

EXISTING TOWER LEG

PROPOSED 560mm LONG 150x75 PFC

ELEVATION B

ELEVATION C

ELEVATION A

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

PROPOSED 25mmØ HOLE FOR ANTENNA FIXING

PROPOSED 1No. ANTENNA BRACKET FOR ANTENNA MOUNTING

PROPOSED 1No. ANTENNA BRACKET FOR ANTENNA MOUNTING

2No. M12 BOLT FIXINGS FOR ANTENNA BRACKET TO PARENT PFC

PROPOSED MODEM TO BE MOUNTED HORIZONTALLY WITH AERATION VALVE TO TOP SIDE

PROPOSED 560mm LONG 150x75 PFC

PROPOSED 2No. 10mm THK SADDLE CLAMP BRACKET c/w 2No. 12mm THREADED RODS EACH (x4 TOTAL) FIXED TO TOWER LEG AND PFC

EXISTING TOWER LEG

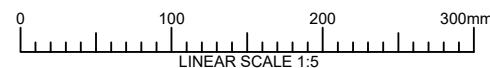
PROPOSED 560mm LONG 150x75 PFC

ELEVATION B

ELEVATION A

ELEVATION C

PROPOSED ANTENNA/MODEM BRACKETRY



ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R. E 519099 N 131560

WHAT 3 WORDS FLYING.MODES.EDIT

CONCESSION/FIXIT REQUIRED? ☒ YES ☐ 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

REV	DESCRIPTION OF REVISION	BY	CH	DATE
A	DETAILED DESIGN (FIRST ISSUE)	MF	RN	15.10.2025

DESIGN CONSULTANT	WIG PROJECT NUMBER
IMPLEMENTAL LTD.	BAU-B-SWS0151-13-NEWPOP



SUEZ	MBNL	EE	H3G
G162	HSM024	94720	RH0334

SITE NAME AND ADDRESS

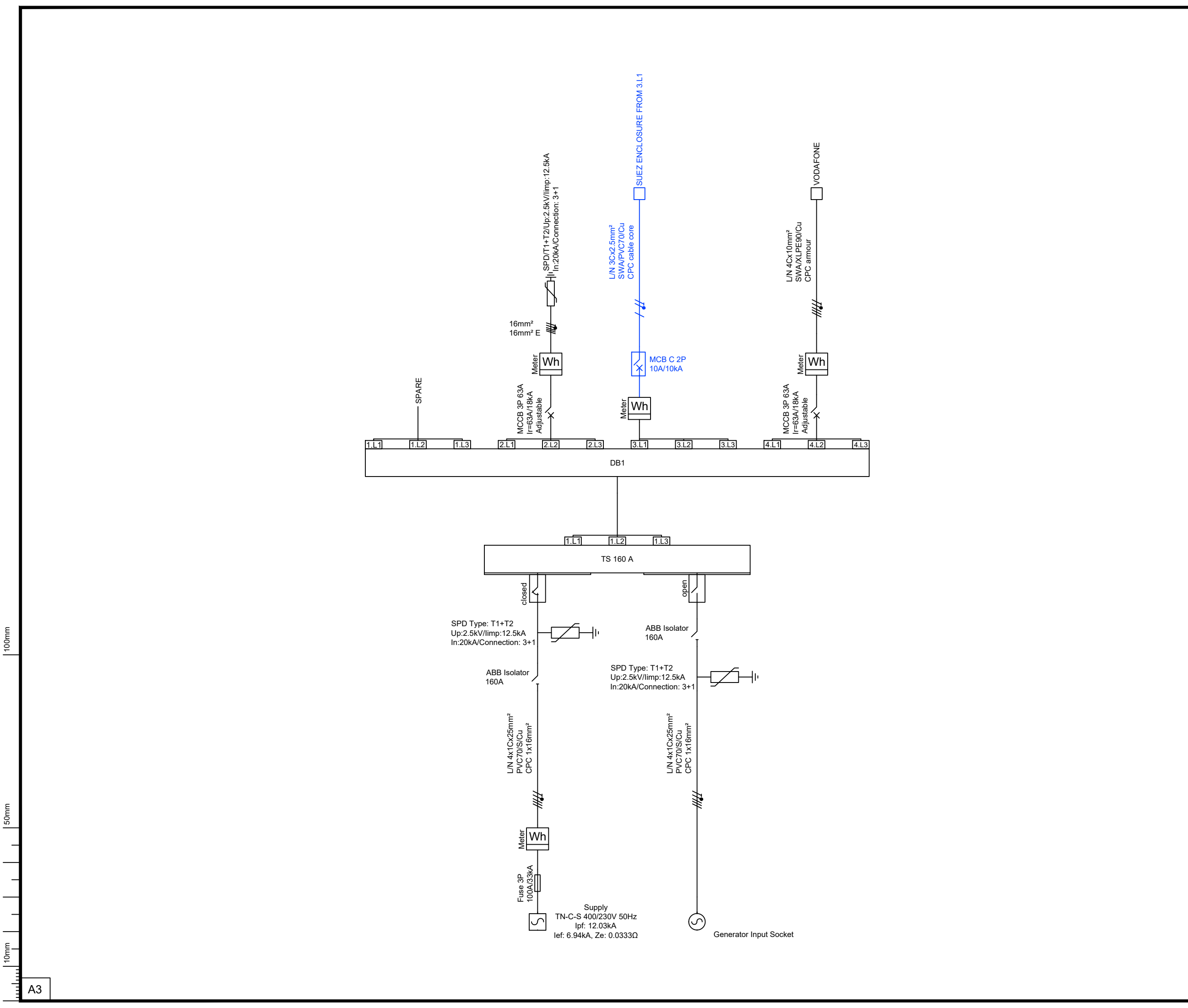
NEW STAR RESERVOIR
COMPTONS BROW LANE
HORSHAM
REDHILL
RH13 6BX

DRAWING TITLE:
ANTENNA/MODEM BRACKET DETAILS

PURPOSE OF ISSUE:
DETAILED DESIGN

DRAWING NUMBER:
108

SCALE: AS SHOWN @ A3	DRAWN: MF	DATE: 15.10.2025	REV: A
CHECKED: RN	DATE: 15.10.2025	APPROVED: GH	DATE: 15.10.2025



ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE																													
N.G.R	E 519099		N 131560																										
WHAT 3 WORDS		FLYING.MODES.EDIT																											
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																											
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DEPENDENCIES FOR DETAILED DESIGN/BUILD																													
ASBESTOS SURVEY		☒		NO																									
CHERRY PICKER SURVEY (DESIGN)		☒		NO																									
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WIG TO PROVIDE NEW REC SUPPLY		☒		NO																									
FABRICATION DRAWINGS REQUIRED		☒		NO																									
COLOUR CHART																													
BLACK		TEXT, EXISTING BUILDINGS, TOWERS, STRUCTURES, TREES, ETC.																											
BLUE		PROPOSED INSTALLATION																											
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SUEZ	MBNL	EE	H3G																										
G162	HSM024	94720	RH0334																										
SITE NAME AND ADDRESS																													
NEW STAR RESERVOIR COMPTONS BROW LANE HORSHAM REDHILL RH13 6BX																													
DRAWING TITLE: ELECTRICAL SCHEMATIC																													
PURPOSE OF ISSUE: DETAILED DESIGN																													
DRAWING NUMBER: 109																													
SCALE: AS SHOWN @ A3		DRAWN: MF	DATE: 15.10.2025	REV:																									
CHECKED: RN	DATE: 15.10.2025	APPROVED: GH	DATE: 15.10.2025	A																									

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 519099		N 131560
WHAT 3 WORDS		FLYING.MODES.EDIT		
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	15.10.2025
REV	DESCRIPTION OF REVISION	BY	CH	DATE
DESIGN CONSULTANT		WIG PROJECT NUMBER		
IMPLEMENTAL LTD.		BAU-B-SWS0151-13-NEWPOP		
Wireless Infrastructure Group				
SUEZ	MBNL	EE	H3G	
G162	HSM024	94720	RH0334	
SITE NAME AND ADDRESS				
NEW STAR RESERVOIR COMPTONS BROW LANE HORSHAM REDHILL RH13 6BX				
DRAWING TITLE: ELECTRICAL NOTES				
PURPOSE OF ISSUE: DETAILED DESIGN				
DRAWING NUMBER: 110				
SCALE: AS SHOWN @ A3		DRAWN: MF	DATE: 15.10.2025	REV:
CHECKED: RN	DATE: 15.10.2025	APPROVED: GH	DATE: 15.10.2025	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 519099		N 131560	
WHAT 3 WORDS		FLYING.MODES.EDIT		
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	15.10.2025
REV	DESCRIPTION OF REVISION	BY	CH	DATE
DESIGN CONSULTANT		WIG PROJECT NUMBER		
IMPLEMENTAL LTD.		BAU-B-SWS0151-13-NEWPOP		
				
SUEZ	MBNL	EE	H3G	
G162	HSM024	94720	RH0334	
SITE NAME AND ADDRESS				
NEW STAR RESERVOIR COMPTONS BROW LANE HORSHAM REDHILL RH13 6BX				
DRAWING TITLE: GENERAL NOTES				
PURPOSE OF ISSUE: DETAILED DESIGN				
DRAWING NUMBER: 111				
SCALE: AS SHOWN @ A3		DRAWN: MF	DATE: 15.10.2025	REV:
CHECKED: RN	DATE: 15.10.2025	APPROVED: GH	DATE: 15.10.2025	A