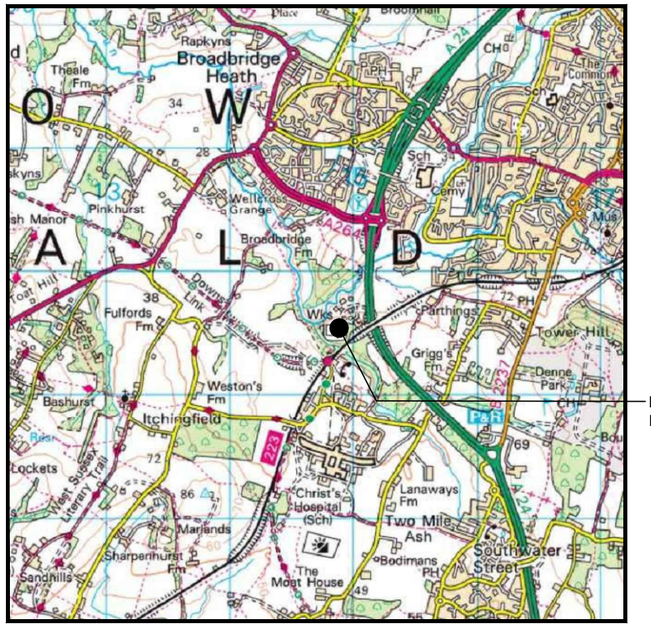


NORTH

LOCATION PLAN

0 0.5 1 1.5 2 2.5Km

LINEAR SCALE 1:50000





PHOTOGRAPH OF EXISTING SITE

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BLOCK PLAN

0 10 20 30 40 50m

LINEAR SCALE 1:1250

GOOGLE MAPS QR CODE

100mm
50mm
10mm

A3

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 515140 N 129580
WHAT 3 WORDS	lands.drape.puppy
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.
YELLOW	——	ACCESS ROUTE

REV	DESCRIPTION OF REVISION	BY	CH	DATE
C	POWER SUPPLY SOURCE AMENDED	SBB	NJ	24.09.26
B	PROPOSED POLE SIZE AMENDED	SBB	NJ	09.09.26
A	DETAILED DESIGN (FIRST ISSUE)	SBB	NJ	19.08.26

DESIGN CONSULTANT	WIG PROJECT NUMBER
CLARKE TELECOM	BAU-B-SWS0127-2-NEWPOP

Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
GT11	HSM039	25755	RH0008

SITE NAME AND ADDRESS

HORSHAM A24 SITE
A24 BYPASS
HORSHAM
REDHILL
RH12 3UB

DRAWING TITLE:
LOCATION AND BLOCK PLANS

PURPOSE OF ISSUE:
DETAILED DESIGN

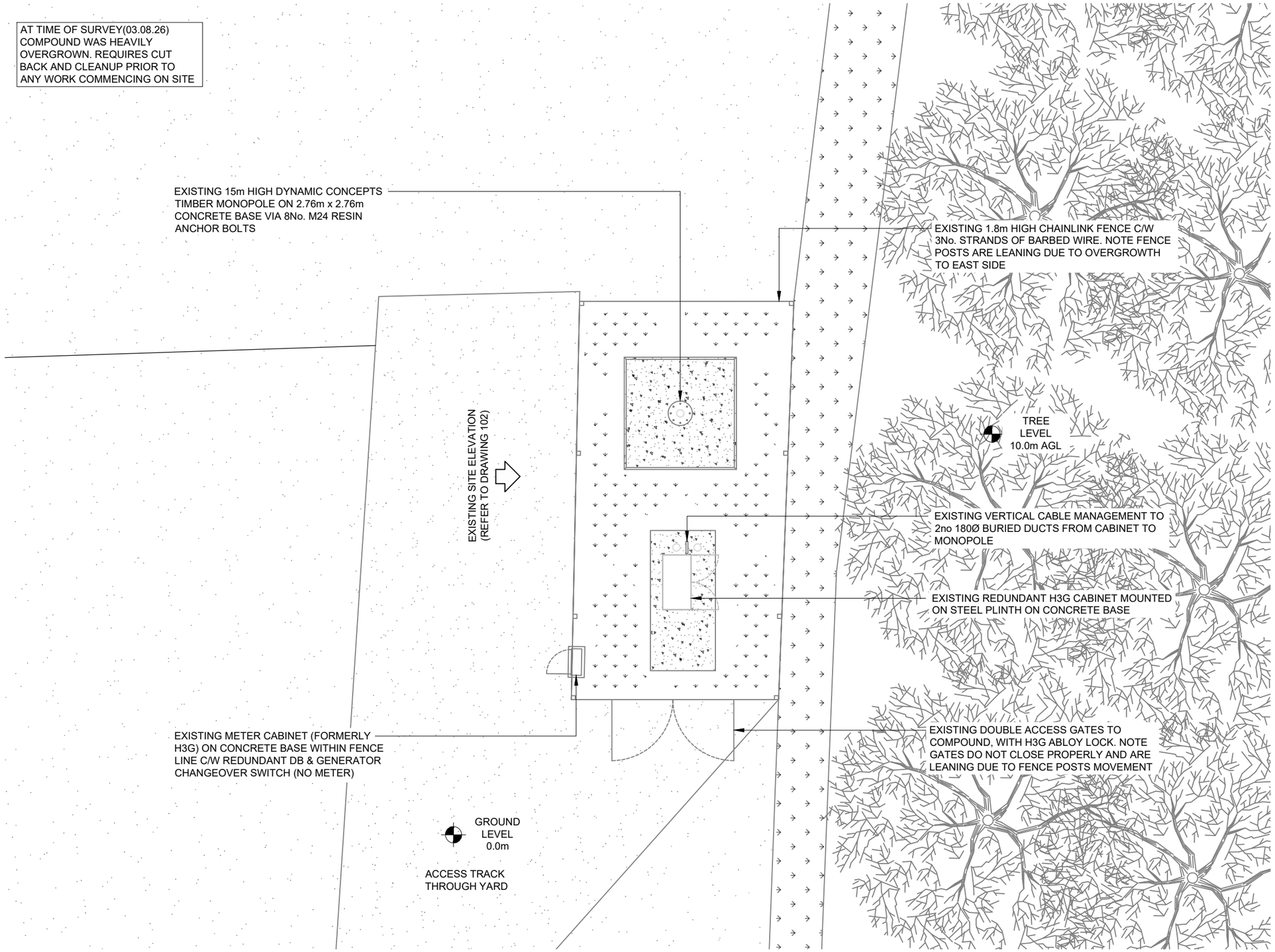
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100

SCALE:	DRAWN:	DATE:	REV:
AS SHOWN @ A3	SBB	19.08.26	C

CHECKED:	DATE:	APPROVED:	DATE:
NJ	19.08.26	NJ	19.08.26

NORTH

AT TIME OF SURVEY(03.08.26) COMPOUND WAS HEAVILY OVERGROWN. REQUIRES CUT BACK AND CLEANUP PRIOR TO ANY WORK COMMENCING ON SITE



EXISTING SITE PLAN

0 1 2 3 4 5m
LINEAR SCALE 1:100

A3

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 515140 N 129580
WHAT 3 WORDS	lands.drape.puppy

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
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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.

REV	DESCRIPTION OF REVISION	BY	CH	DATE
C	POWER SUPPLY SOURCE AMENDED	SBB	NJ	24.09.26
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CLARKE TELECOM	BAU-B-SWS0127-2-NEWPOP

Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
GT11	HSM039	25755	RH0008

SITE NAME AND ADDRESS

HORSHAM A24 SITE
A24 BYPASS
HORSHAM
REDHILL
RH12 3UB

DRAWING TITLE:
EXISTING SITE PLAN

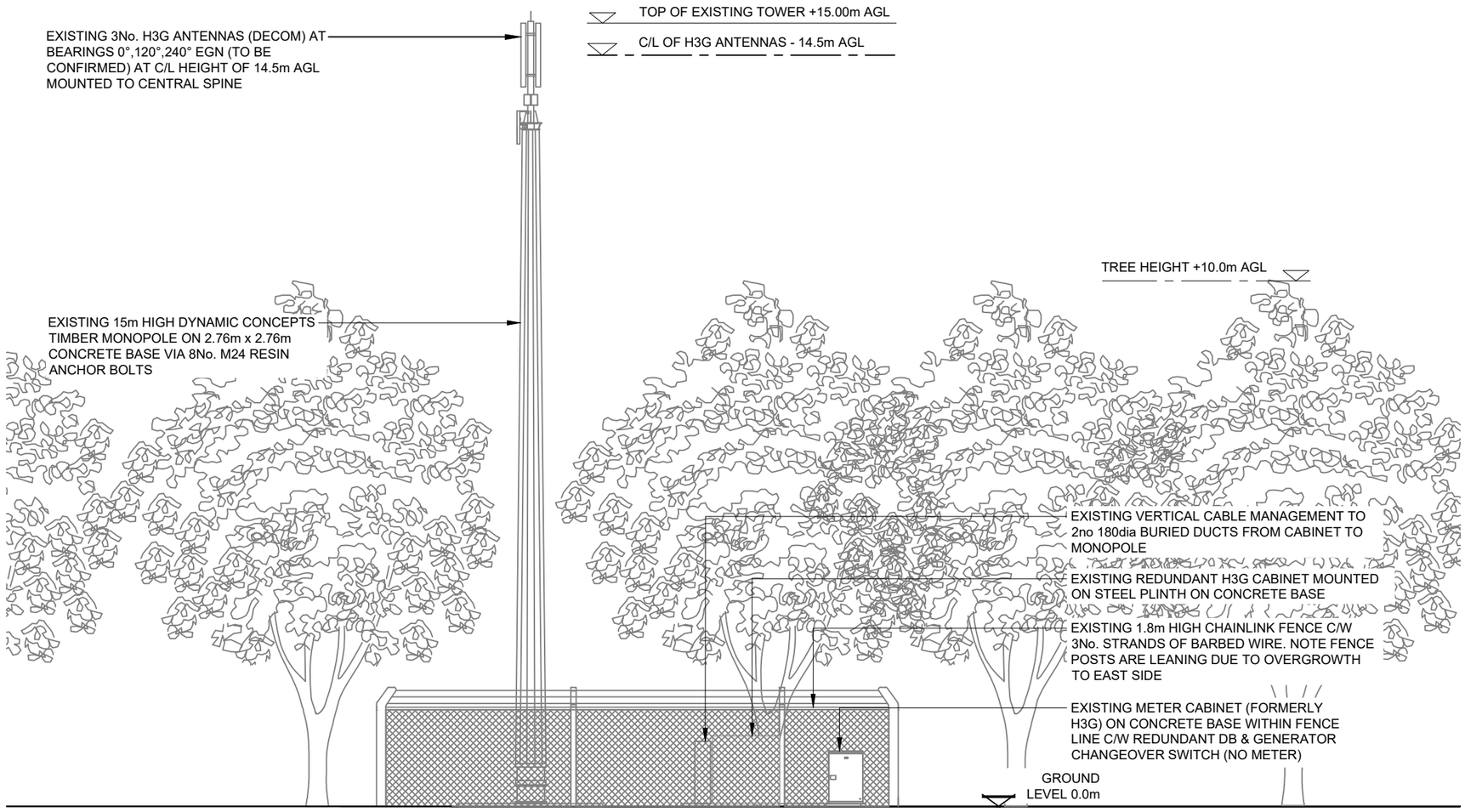
PURPOSE OF ISSUE:
DETAILED DESIGN

DRAWING NUMBER:
101

SCALE:	DRAWN:	DATE:	REV:
AS SHOWN @ A3	SBB	19.08.26	C

CHECKED:	DATE:	APPROVED:	DATE:
NJ	19.08.26	NJ	19.08.26

AT TIME OF SURVEY(03.08.26)
COMPOUND WAS HEAVILY
OVERGROWN. REQUIRES CUT
BACK AND CLEANUP PRIOR TO
ANY WORK COMMENCING ON SITE



EXISTING WEST ELEVATION

0 1 2 3 4 5m
LINEAR SCALE 1:100

100mm
50mm
10mm

A3

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 515140 N 129580
WHAT 3 WORDS	lands.drape.puppy

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
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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.

REV	DESCRIPTION OF REVISION	BY	CH	DATE
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DESIGN CONSULTANT	WIG PROJECT NUMBER
CLARKE TELECOM	BAU-B-SWS0127-2-NEWPOP

Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
GT11	HSM039	25755	RH0008

SITE NAME AND ADDRESS

HORSHAM A24 SITE
A24 BYPASS
HORSHAM
REDHILL
RH12 3UB

DRAWING TITLE:
EXISTING ELEVATION

PURPOSE OF ISSUE:
DETAILED DESIGN

DRAWING NUMBER:
102

SCALE:	DRAWN:	DATE:	REV:
AS SHOWN @ A3	SBB	19.08.26	C

CHECKED:	DATE:	APPROVED:	DATE:
NJ	19.08.26	NJ	19.08.26

NORTH

AT TIME OF SURVEY(03.08.26) COMPOUND WAS HEAVILY OVERGROWN. REQUIRES CUT BACK AND CLEANUP PRIOR TO ANY WORK COMMENCING ON SITE

NOTE: ALL NEW SAFETY SIGNAGE REQUIRED THROUGHOUT SITE

EXISTING 15m HIGH DYNAMIC CONCEPTS TIMBER MONOPOLE ON 2.76m x 2.76m CONCRETE BASE VIA 8No. M24 RESIN ANCHOR BOLTS

EXISTING 15.0m HIGH DYNAMIC CONCEPTS TIMBER MONOPOLE TO BE REMOVED AND REPLACED BY PROPOSED CONSTANT GROUP 12.0m HIGH, 250Ø COMPOSITE SUPPORT POLE, ON ADAPTER PLATE

PROPOSED SUEZ CABLE (1No. RJ45/M12 CABLE) TO UTILISE EXISTING CABLE CONTAINMENT AND RISE WITHIN PROPOSED POLE. ALL EXISTING FEEDER CABLE TO BE REMOVED

PROPOSED SUEZ OFF-GRID POWER SOLUTION. 2No. SOLAR MODULES TO BE INSTALLED ON RENUSOL CS+ BALLAST BUCKETS, ON EXISTING CONCRETE BASE

PROPOSED SITE ELEVATION (REFER TO DRAWING 104)

EXISTING 1.8m HIGH CHAINLINK FENCE C/W 3No. STRANDS OF BARBED WIRE. NOTE FENCE POSTS ARE LEANING DUE TO OVERGROWTH TO EAST SIDE

TREE LEVEL 10.0m AGL

EXISTING 300 WIDE VERTICAL CABLE TRAY AND 2no 180Ø UNDEGROUND DUCTS TO BE REUSED TO ROUTE ALL CABLING FROM PROPOSED SUEZ EQUIPMENT TO PROPOSED OMNI ANTENNA ON NEW COMPOSITE POLE

EXISTING REDUNDANT H3G CABINET TO BE REMOVED. PROPOSED SUEZ IP RATED ENCLOSURE (400mm HIGH x 210mm DEEP x 300mm WIDE) 1No. ROTARY ISOLATOR SWITCH TO BE MOUNTED ON NEW UNISTRUT OFF NEW GANTRY SUPPORT POST, FIXED TO EXISTING CONCRETE BASE

EXISTING DOUBLE ACCESS GATES TO COMPOUND, WITH H3G ABLOY LOCK. NOTE GATES DO NOT CLOSE PROPERLY AND ARE LEANING DUE TO FENCE POSTS MOVEMENT

GROUND LEVEL 0.0m

ACCESS TRACK THROUGH YARD

PROPOSED SITE PLAN

0 1 2 3 4 5m

LINEAR SCALE 1:100

100mm 50mm 10mm

A3

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 515140 N 129580
WHAT 3 WORDS	lands.drape.puppy

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

REV	DESCRIPTION OF REVISION	BY	CH	DATE
C	POWER SUPPLY SOURCE AMENDED	SBB	NJ	24.09.26
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A	DETAILED DESIGN (FIRST ISSUE)	SBB	NJ	19.08.26

DESIGN CONSULTANT	WIG PROJECT NUMBER
CLARKE TELECOM	BAU-B-SWS0127-2-NEWPOP

Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
GT11	HSM039	25755	RH0008

SITE NAME AND ADDRESS

HORSHAM A24 SITE
A24 BYPASS
HORSHAM
REDHILL
RH12 3UB

DRAWING TITLE:
PROPOSED SITE PLAN

PURPOSE OF ISSUE:
DETAILED DESIGN

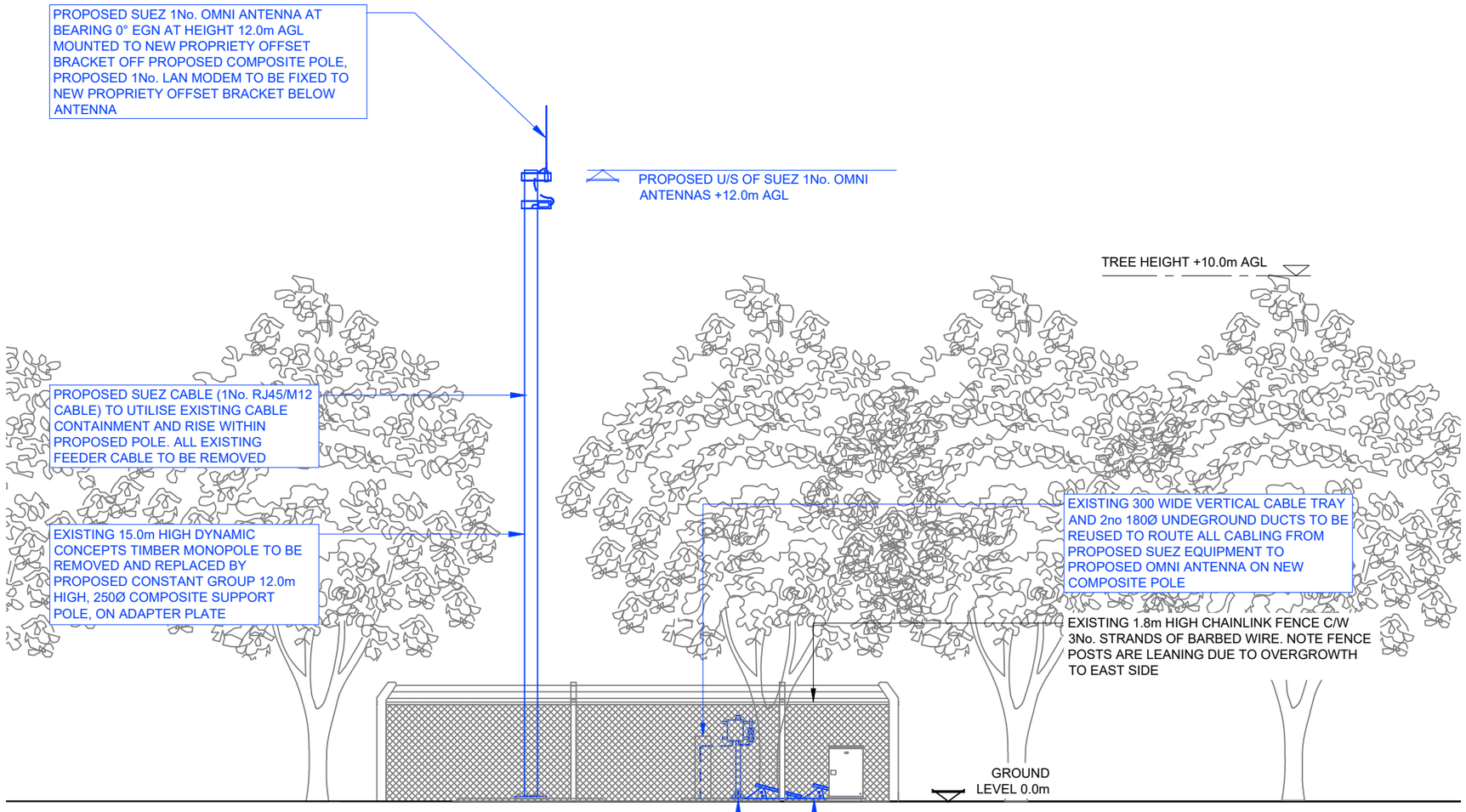
DRAWING NUMBER:
103

SCALE:	DRAWN:	DATE:	REV:
AS SHOWN @ A3	SBB	19.08.26	C

CHECKED:	DATE:	APPROVED:	DATE:
NJ	19.08.26	NJ	19.08.26

AT TIME OF SURVEY(03.08.26) COMPOUND WAS HEAVILY OVERGROWN. REQUIRES CUT BACK AND CLEANUP PRIOR TO ANY WORK COMMENCING ON SITE

NOTE: ALL NEW SAFETY SIGNAGE REQUIRED THROUGHOUT SITE



PROPOSED WEST ELEVATION

0 1 2 3 4 5m

LINEAR SCALE 1:100

100mm 50mm 10mm

A3

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 515140 N 129580
WHAT 3 WORDS	lands.drape.puppy
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

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DEPENDENCIES FOR DETAILED DESIGN/BUILD

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GDC CALCS - TOWER (GF OR RT STUB) / POLE (RT)	~~YES~~	NO
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GDC CALCS - EXISTING FOUNDATION	~~YES~~	NO
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ICNIRP CONTROL MEASURES	~~YES~~	NO
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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

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REV	DESCRIPTION OF REVISION	BY	CH	DATE
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Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
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SITE NAME AND ADDRESS

HORSHAM A24 SITE
A24 BYPASS
HORSHAM
REDHILL
RH12 3UB

DRAWING TITLE:
PROPOSED ELEVATION

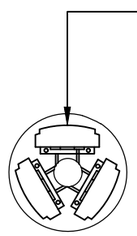
PURPOSE OF ISSUE:
DETAILED DESIGN

DRAWING NUMBER:
104

SCALE:	DRAWN:	DATE:	REV:
AS SHOWN @ A3	SBB	19.08.26	C

CHECKED:	DATE:	APPROVED:	DATE:
NJ	19.08.26	NJ	19.08.26

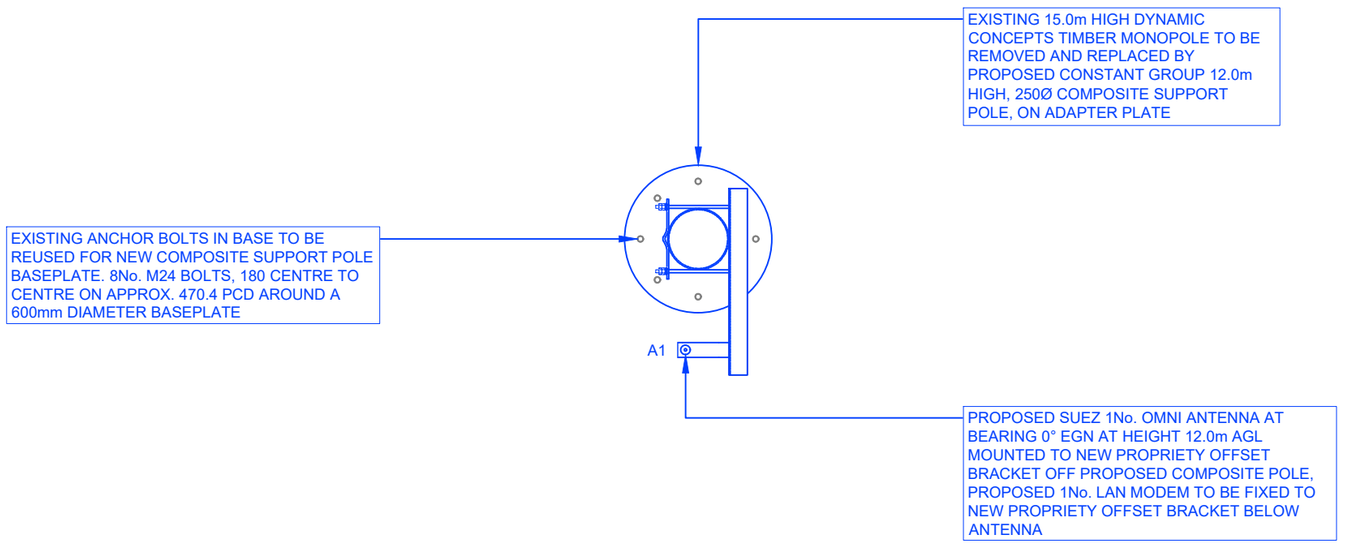
NORTH



EXISTING PLAN @ 14m AGL

0 0.5 1.0 1.5m

LINEAR SCALE 1:25



PROPOSED PLAN @ 8.0m AGL

0 0.5 1.0 1.5m

LINEAR SCALE 1:25

100mm
50mm
10mm

A3

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 515140 N 129580
WHAT 3 WORDS	lands.drape.puppy

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):
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DEPENDENCIES FOR DETAILED DESIGN/BUILD

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CHERRY PICKER SURVEY (DESIGN)	~~YES~~	NO
COMMS SERVICE ALTERATION	~~YES~~	NO
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GDC CALCS - INTERFACE STEELWORK	~~YES~~	NO
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SAFETY SIGNAGE REFRESH	YES	~~NO~~
WIG TO PROVIDE NEW REC SUPPLY	YES	~~NO~~
FABRICATION DRAWINGS REQUIRED	~~YES~~	NO

COLOUR CHART

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BLUE —— PROPOSED INSTALLATION

REV	DESCRIPTION OF REVISION	BY	CH	DATE
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Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
GT11	HSM039	25755	RH0008

SITE NAME AND ADDRESS

HORSHAM A24 SITE
A24 BYPASS
HORSHAM
REDHILL
RH12 3UB

DRAWING TITLE:
PROPOSED ANTENNA PLAN

PURPOSE OF ISSUE:
DETAILED DESIGN

DRAWING NUMBER:
105

SCALE:	DRAWN:	DATE:	REV:
AS SHOWN @ A3	SBB	19.08.26	C

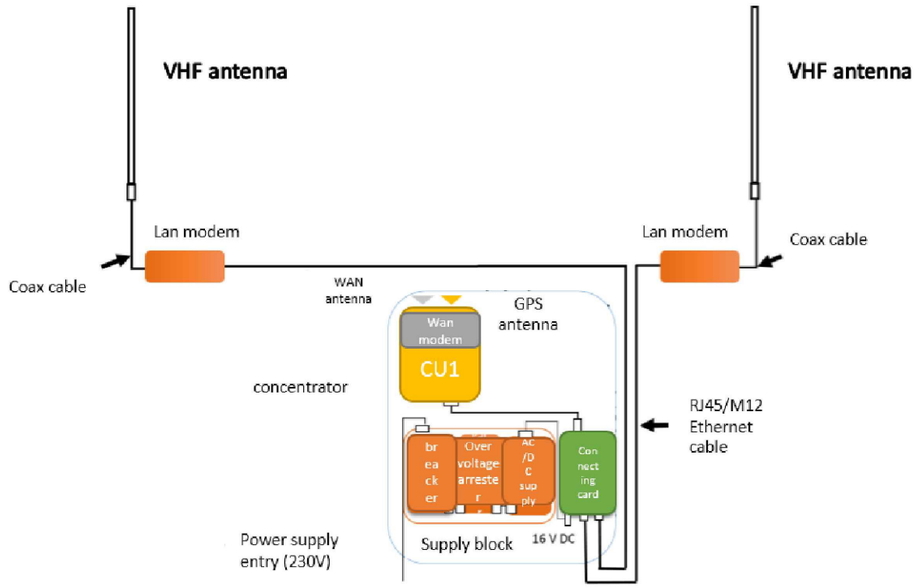
CHECKED:	DATE:	APPROVED:	DATE:
NJ	19.08.26	NJ	19.08.26

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	0°	0°	12.0m	A1	●									x1	-	-	-	-	1No. RJ45/M12 CABLE 30m	-	-	-	-	TO BE INSTALLED ON NEW OFFSET BRACKETRY
									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 NEW GANTRY SUPPORT POLE



ANTENNA SCHEMATIC

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 515140 N 129580
WHAT 3 WORDS	lands.drape.puppy

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

REV	DESCRIPTION OF REVISION	BY	CH	DATE
C	POWER SUPPLY SOURCE AMENDED	SBB	NJ	24.09.26
B	PROPOSED POLE SIZE AMENDED	SBB	NJ	09.09.26
A	DETAILED DESIGN (FIRST ISSUE)	SBB	NJ	19.08.26

DESIGN CONSULTANT	WIG PROJECT NUMBER
CLARKE TELECOM	BAU-B-SWS0127-2-NEWPOP

Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
GT11	HSM039	25755	RH0008

SITE NAME AND ADDRESS

HORSHAM A24 SITE
A24 BYPASS
HORSHAM
REDHILL
RH12 3UB

DRAWING TITLE:
PROPOSED SCHEDULES

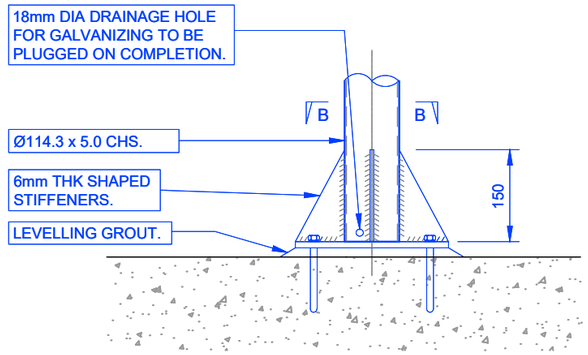
PURPOSE OF ISSUE:
DETAILED DESIGN

DRAWING NUMBER:
106

SCALE:	DRAWN:	DATE:	REV:
AS SHOWN @ A3	SBB	19.08.26	C

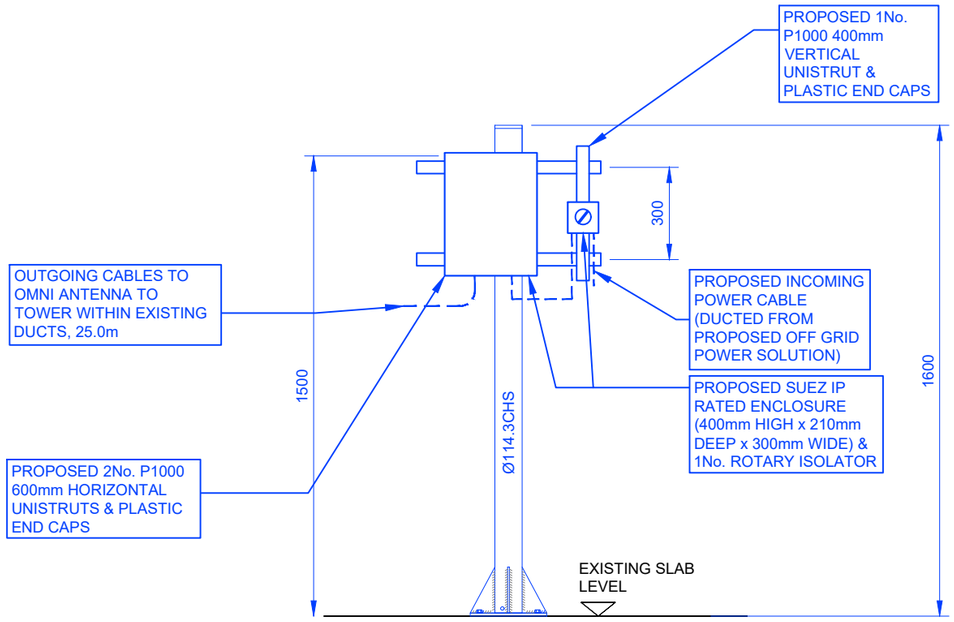
CHECKED:	DATE:	APPROVED:	DATE:
NJ	19.08.26	NJ	19.08.26

100mm
50mm
10mm
A3



CHS SUPPORT POST DETAILS

0 500mm 1m
LINEAR SCALE 1:20



CONCENTRATOR MOUNTING DETAILS

0 500mm 1m
LINEAR SCALE 1:20

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 515140 N 129580
WHAT 3 WORDS	lands.drape.puppy

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

REV	DESCRIPTION OF REVISION	BY	CH	DATE
C	POWER SUPPLY SOURCE AMENDED	SBB	NJ	24.09.26
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A	DETAILED DESIGN (FIRST ISSUE)	SBB	NJ	19.08.26

DESIGN CONSULTANT	WIG PROJECT NUMBER
CLARKE TELECOM	BAU-B-SWS0127-2-NEWPOP

Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
GT11	HSM039	25755	RH0008

SITE NAME AND ADDRESS

HORSHAM A24 SITE
A24 BYPASS
HORSHAM
REDHILL
RH12 3UB

DRAWING TITLE: **CONCENTRATOR MOUNTING DETAILS**

PURPOSE OF ISSUE: **DETAILED DESIGN**

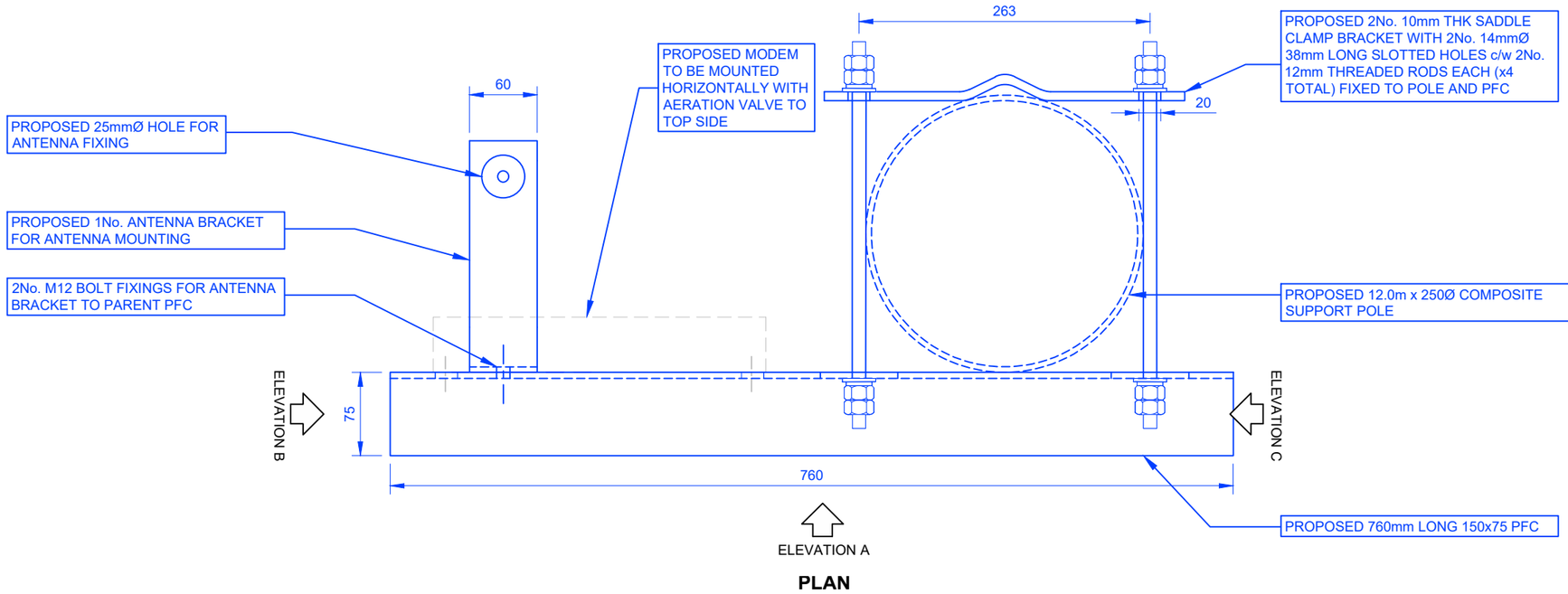
DRAWING NUMBER: **107**

SCALE:	DRAWN:	DATE:	REV:
AS SHOWN @ A3	SBB	19.08.26	C

CHECKED:	DATE:	APPROVED:	DATE:
NJ	19.08.26	NJ	19.08.26

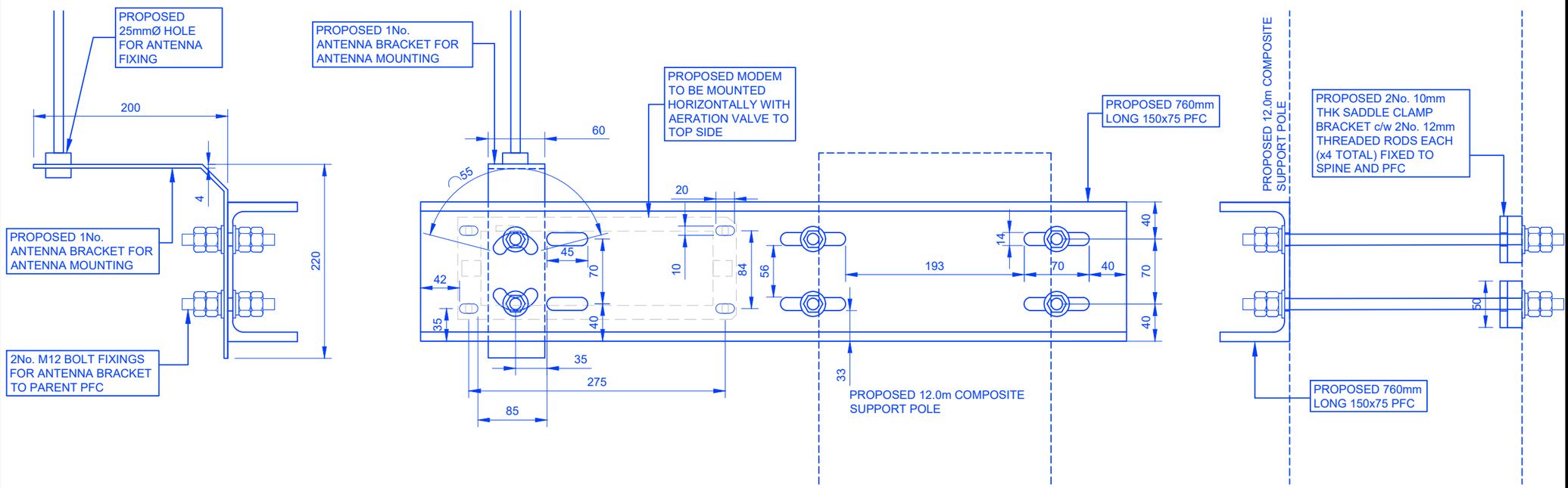
100mm
50mm
10mm

A3



PLAN

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



ELEVATION B **ELEVATION A** **ELEVATION C**

PROPOSED ANTENNA/MODEM BRACKETRY

0 100 200 300mm
LINEAR SCALE 1:5

A3

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 515140 N 129580
WHAT 3 WORDS	lands.drape.puppy
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

REV	DESCRIPTION OF REVISION	BY	CH	DATE
C	POWER SUPPLY SOURCE AMENDED	SBB	NJ	24.09.26
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A	DETAILED DESIGN (FIRST ISSUE)	SBB	NJ	19.08.26

DESIGN CONSULTANT	WIG PROJECT NUMBER
CLARKE TELECOM	BAU-B-SWS0127-2-NEWPOP

Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
GT11	HSM039	25755	RH0008

SITE NAME AND ADDRESS

HORSHAM A24 SITE
A24 BYPASS
HORSHAM
REDHILL
RH12 3UB

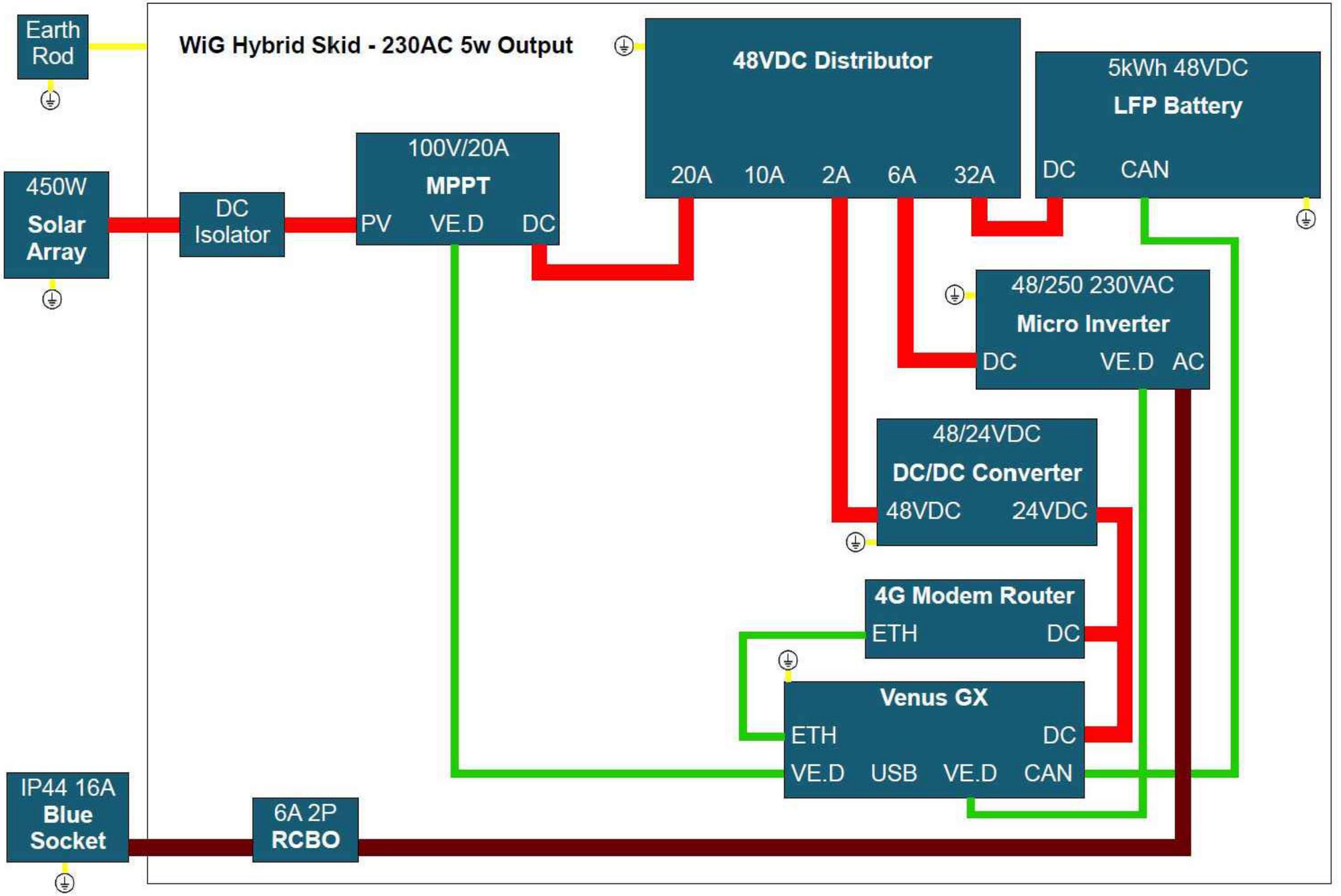
DRAWING TITLE:
ANTENNA/MODEM BRACKET DETAILS

PURPOSE OF ISSUE:
DETAILED DESIGN

DRAWING NUMBER:
108

SCALE:	DRAWN:	DATE:	REV:
AS SHOWN @ A3	SBB	19.08.26	C

CHECKED:	DATE:	APPROVED:	DATE:
NJ	19.08.26	NJ	19.08.26



ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 515140 N 129580
WHAT 3 WORDS	lands.drape.puppy

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

REV	DESCRIPTION OF REVISION	BY	CH	DATE
C	POWER SUPPLY SOURCE AMENDED	SBB	NJ	24.09.26
B	PROPOSED POLE SIZE AMENDED	SBB	NJ	09.09.26
A	DETAILED DESIGN (FIRST ISSUE)	SBB	NJ	19.08.26

DESIGN CONSULTANT	WIG PROJECT NUMBER
CLARKE TELECOM	BAU-B-SWS0127-2-NEWPOP

Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
GT11	HSM039	25755	RH0008

SITE NAME AND ADDRESS

HORSHAM A24 SITE
A24 BYPASS
HORSHAM
REDHILL
RH12 3UB

DRAWING TITLE:
ELECTRICAL SCHEMATIC

PURPOSE OF ISSUE:
DETAILED DESIGN

DRAWING NUMBER:
109

SCALE:	DRAWN:	DATE:	REV:
AS SHOWN @ A3	SBB	19.08.26	A

CHECKED:	DATE:	APPROVED:	DATE:
NJ	19.08.26	NJ	19.08.26

100mm
50mm
10mm

A3

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 disconnector 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.

100mm
50mm
10mm

A3

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R	E 515140 N 129580
WHAT 3 WORDS	lands.drape.puppy
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

REV	DESCRIPTION OF REVISION	BY	CH	DATE
C	POWER SUPPLY SOURCE AMENDED	SBB	NJ	24.09.26
B	PROPOSED POLE SIZE AMENDED	SBB	NJ	09.09.26
A	DETAILED DESIGN (FIRST ISSUE)	SBB	NJ	19.08.26

DESIGN CONSULTANT	WIG PROJECT NUMBER
CLARKE TELECOM	BAU-B-SWS0127-2-NEWPOP

Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
GT11	HSM039	25755	RH0008

SITE NAME AND ADDRESS

HORSHAM A24 SITE
A24 BYPASS
HORSHAM
REDHILL
RH12 3UB

DRAWING TITLE:
ELECTRICAL NOTES

PURPOSE OF ISSUE:
DETAILED DESIGN

DRAWING NUMBER:
110

SCALE:	DRAWN:	DATE:	REV:
AS SHOWN @ A3	SBB	19.08.26	C

CHECKED:	DATE:	APPROVED:	DATE:
NJ	19.08.26	NJ	19.08.26

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 Galvafroid

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 515140 N 129580
WHAT 3 WORDS	lands.drape.puppy

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

REV	DESCRIPTION OF REVISION	BY	CH	DATE
C	POWER SUPPLY SOURCE AMENDED	SBB	NJ	24.09.26
B	PROPOSED POLE SIZE AMENDED	SBB	NJ	09.09.26
A	DETAILED DESIGN (FIRST ISSUE)	SBB	NJ	19.08.26

DESIGN CONSULTANT	WIG PROJECT NUMBER
CLARKE TELECOM	BAU-B-SWS0127-2-NEWPOP

Wireless Infrastructure Group

SUEZ	MBNL	EE	H3G
GT11	HSM039	25755	RH0008

SITE NAME AND ADDRESS

HORSHAM A24 SITE
A24 BYPASS
HORSHAM
REDHILL
RH12 3UB

DRAWING TITLE:
GENERAL NOTES

PURPOSE OF ISSUE:
DETAILED DESIGN

DRAWING NUMBER:
111

SCALE:	DRAWN:	DATE:	REV:
AS SHOWN @ A3	SBB	19.08.26	C

CHECKED:	DATE:	APPROVED:	DATE:
NJ	19.08.26	NJ	19.08.26

100mm
50mm
10mm

A3