

1. **Introduction**
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 4. **Results**
 5. **Discussion**
 6. **Conclusion**
 7. **References**
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 9. **Index**
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1. ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.



Tel: 01707 315000
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Site Name: WESTON HILLS RESERVOIR

Site ID: 1205594

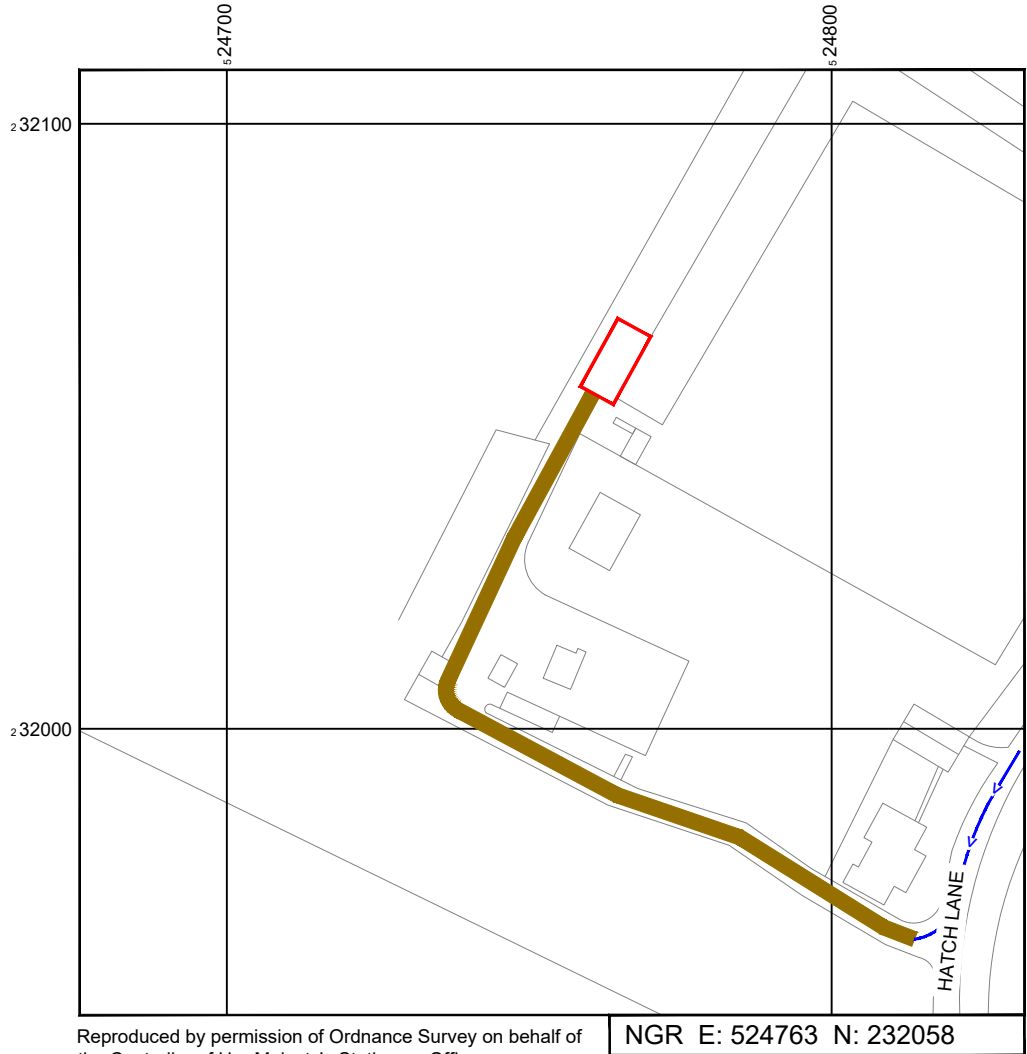
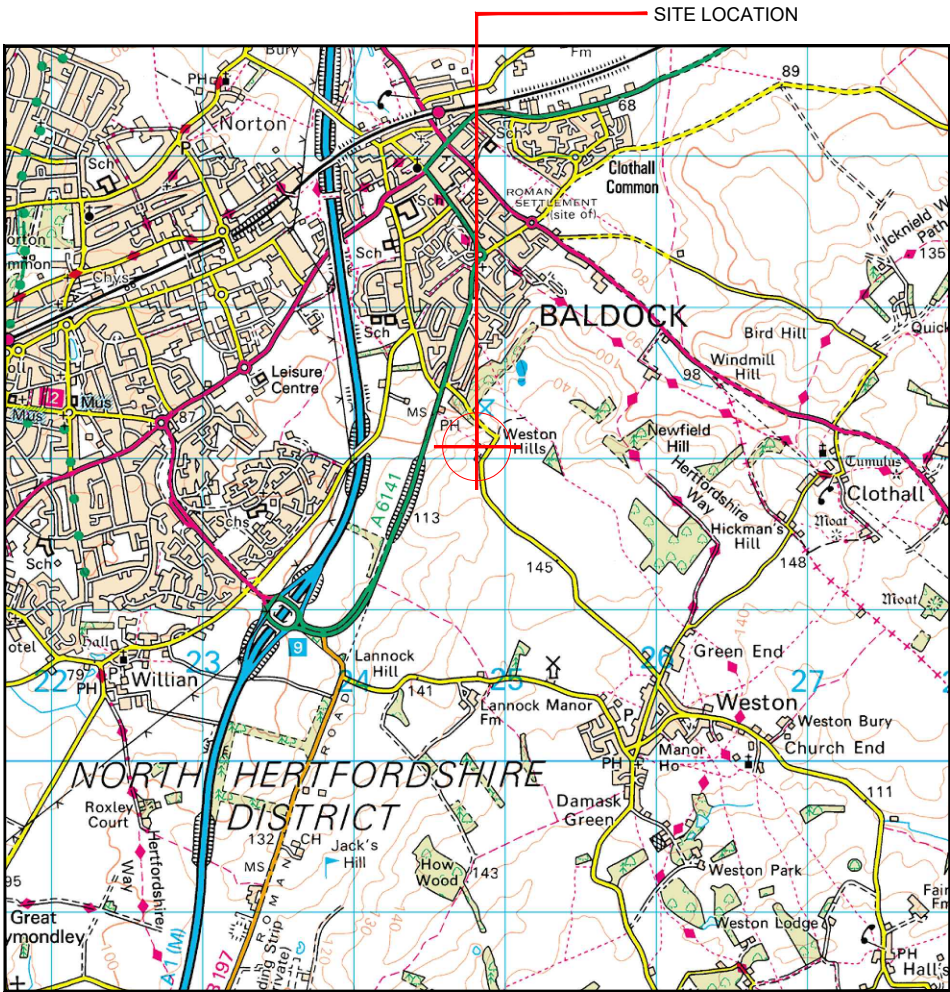
Address: HATCH LANE
BALDOCK
HITCHIN
HERTFORDSHIRE
SG4 7EB

Title: 001 DRAWING REGISTER

Project: **VENDOR SWAP**

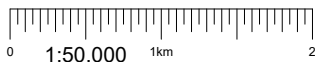
Purpose of Issue:	GENERAL ARRANGEMENT
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Master Drawing No:	Issue:
1205594 NHE051 16729 SG0331 M001	A



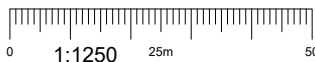
NGR E: 524763 N: 232058

SITE AREA PLAN



SITE PHOTOGRAPH

SITE LOCATION PLAN



GOOGLE MAPS QR CODE

GOOGLE MAPS - <https://maps.app.goo.gl/kUA95U6wJqmemzQBA>

GOOGLE STREET VIEW - <https://maps.app.goo.gl/YUTG9pHFcUotZxWt9>

NOTES:

1. ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

DIRECTIONS TO SITE:
HEAD WEST ON M25, AT JUNCTION 23, TAKE THE A1(M)/A1/A1081 EXIT TO HATFIELD/LONDON N/LONDON C/BARNET, AT BIGNELLS CORNER, TAKE THE 4TH EXIT ONTO THE A1(M) RAMP TO HATFIELD, USE THE RIGHT LANE TO MERGE WITH A1(M) VIA THE RAMP TO HATFIELD, MERGE WITH A1(M), AT JUNCTION 9, TAKE THE A505 EXIT TO BALDOCK, AT THE ROUNDABOUT, TAKE THE 3RD EXIT ONTO A505, AT THE ROUNDABOUT, TAKE THE 1ST EXIT ONTO LONDON RD/B197, TURN RIGHT ONTO CHALK HILLS, CHALK HILLS TURNS SLIGHTLY RIGHT AND BECOMES HATCH LN, TURN RIGHT, CONTINUE STRAIGHT, TURN RIGHT, DESTINATION WILL BE ON THE STRAIGHT.

Demise:



Access Route To Site:



Access Route:



Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
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Site Name:
WESTON HILLS RESERVOIR

Site ID:
1205594

Address:
HATCH LANE
BALDOCK
HITCHIN
HERTFORDSHIRE
SG4 7EB

Title:
002 SITE LOCATION PLAN

Project:
VENDOR SWAP

Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID: 16729	MBNL Cell ID: NHE051	3UK Cell ID: SG0331
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Master Drawing No: 1205594_NHE051_16729_SG0331_M001	Issue: A
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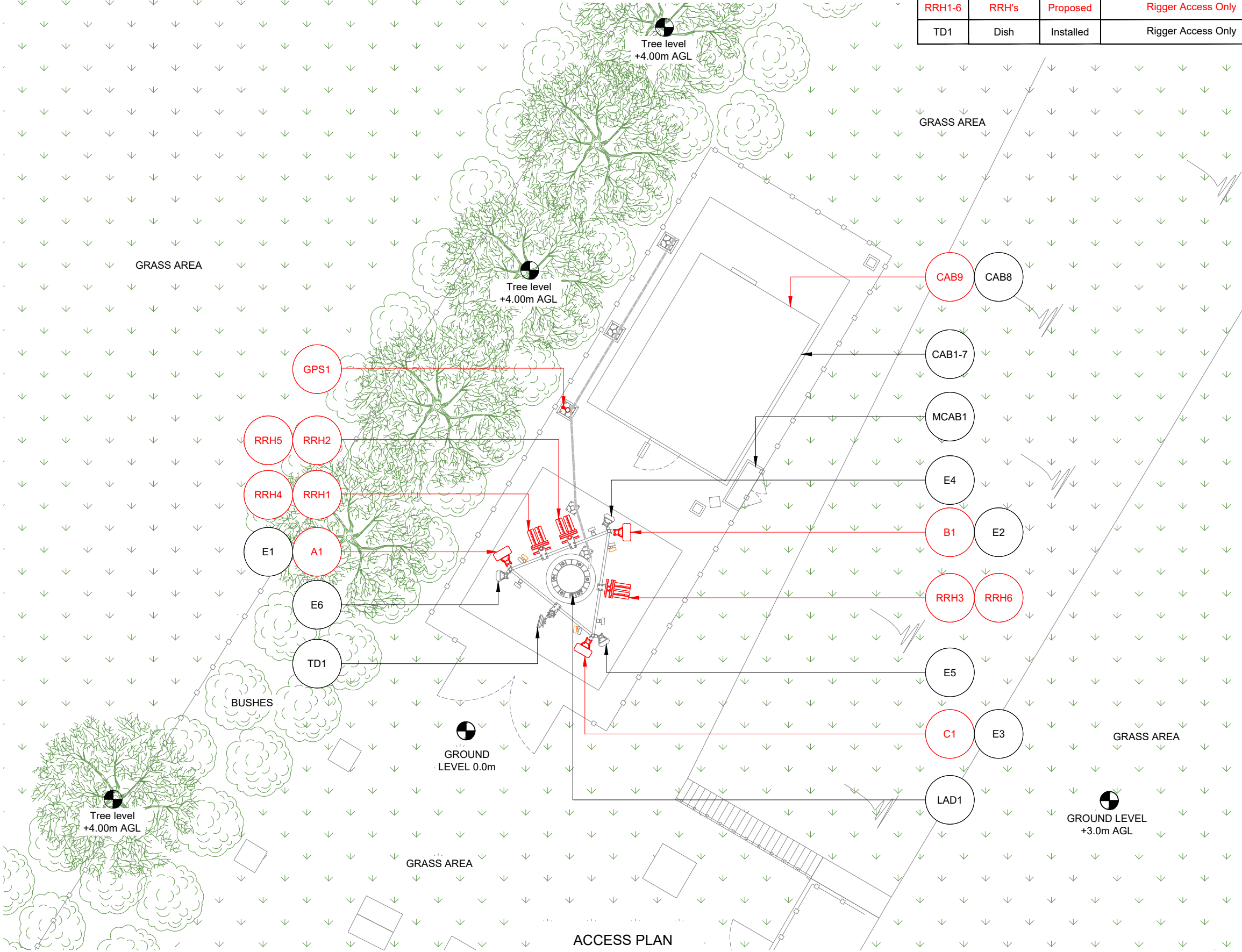
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LAD1	Ladder	Installed	Rigger Access Only	A1/B1/C1	Antennas	Proposed	Rigger Access Only	MCAB1	Meter cabinet	Installed	Unrestricted Access
				E1/E2/E3	Antennas	Remove	Rigger Access Only	CAB1-7	Cabinets	Installed	Unrestricted Access
				E4/E5/E6	Antennas	Installed	Rigger Access Only	CAB8	Cabinet	Remove	Unrestricted Access
				GPS 1	GPS Node	Proposed	Unrestricted Access	CAB9	Cabinet	Proposed	Unrestricted Access
								RRH1-6	RRH's	Proposed	Rigger Access Only
								TD1	Dish	Installed	Rigger Access Only

NOTES:
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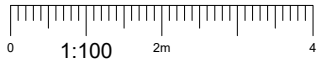
100mm

50mm

10mm



ACCESS PLAN



Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	Vendor swap	Planning	A
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Site ID:
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Title:
003 ACCESS PLAN

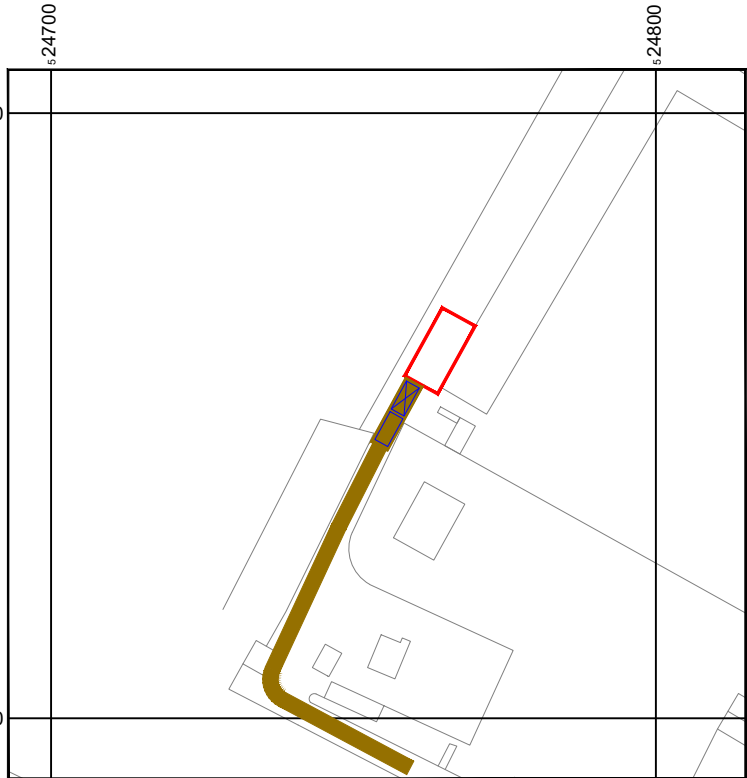
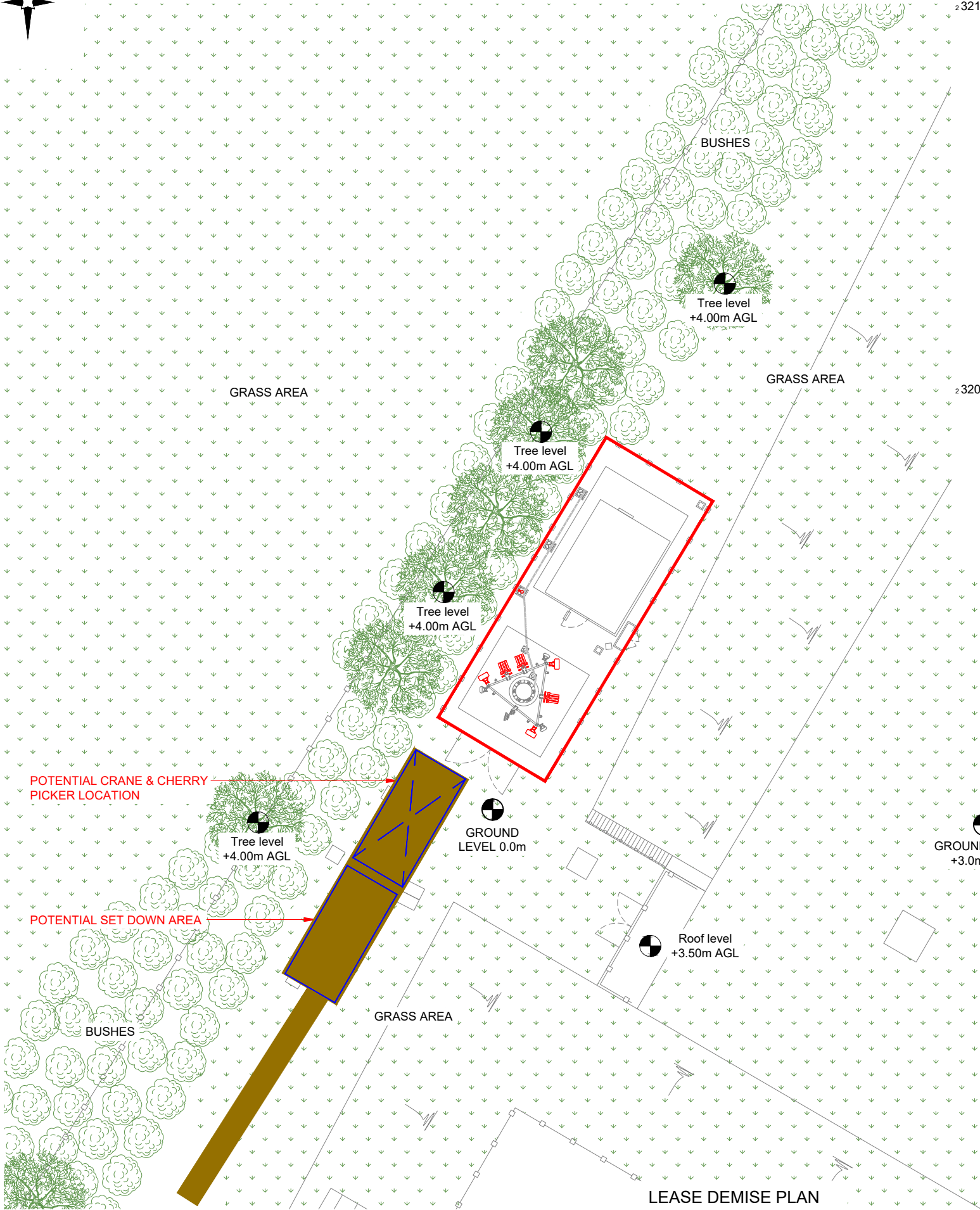
Project:
VENDOR SWAP

Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID:	MBNL Cell ID:	3UK Cell ID:
16729	NHE051	SG0331

Master Drawing No:
1205594_NHE051_16729_SG0331_M001

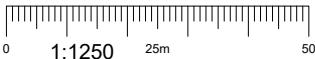
Issue:
A



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NGR E: 524763
N: 232058

SITE LOCATION PLAN



LEASE DEMISE PLAN



NEW CODE:

Demise: Outlined in Red



Access Route: Solid Brown



Set Down Area: Outlined in Blue



Crane Area: Dashed in Blue



Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
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Site Name:
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Site ID:
1205594

Address:
**HATCH LANE
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SG4 7EB**

Title:
004 LEASE DEMISE

Project:
VENDOR SWAP

Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID: 16729	MBNL Cell ID: NHE051	3UK Cell ID: SG0331
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Master Drawing No:
1205594_NHE051_16729_SG0331_M001

Issue:
A



SERVICES PLAN



NOTES:

1. ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

SERVICES:

— HV — HV — HV — HV —

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	Vendor swap	Planning	A
Date:	11/09/2024	Revision / Upgrade Description:		
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Site Name:

WESTON HILLS RESERVOIR

Site ID:

1205594

Address:

HATCH LANE
BALDOCK
HITCHIN
HERTFORDSHIRE
SG4 7EB

Title:

005 SERVICES PLAN

Project:

VENDOR SWAP

Purpose of Issue:

GENERAL ARRANGEMENT

EE Cell ID:	MBNL Cell ID:	3UK Cell ID:
16729	NHE051	SG0331

Master Drawing No:

1205594_NHE051_16729_SG0331_M001

Issue:

A

Live Technologies	Proposed Config	Achievable Config	Proposed MIMO Config	Achievable MIMO Config	CR Status
GSM; LTE1800 Carrier 1; LTE1800 Carrier 2	18/18/21/80/70	18/18/21/80/70	18/21 @4x4; 70/80 @2x4	18/21 @4x4; 70/80 @2x4	N/A

FIXITS			
FIXIT TYPE	STATUS	FIXIT NUMBER	COMMENTS
-	-	-	-

DEPENDENCY	STATUS	COMMENTS			
Asbestos	N/A	-			
Building Regulations Approval	N/A	-			
Planning Conditions	OK	-			
RF Compliance TD54000 v11.0	Pass / Fail:	Sector A	Non-T&A - Stepdown 1.0		
	Pass	Sector B	Non-T&A - Stepdown 1.0		
		Sector C	Non-T&A - Stepdown 1.0		
Global Design Check	Required	-			
Geotech Report	N/A	-			
Structural Calculations	N/A	-			
Intrusive Building Survey	N/A	-			
Rigging Survey	N/A	-			
Power	Upgrade Required: N	Existing Three phase 100A REC supply within meter cabinet			
Line of Sight Survey	N/A	-			
Cooling Solution	Indoor/outdoor: Indoor	kW: 12	Status: Existing	System: UMTS Monitor fan tray system	Upgrade Required: N
Services Search	N/A	-			
Trial Hole	N/A	-			
Temporary Site	N/A	-			
Other	-				
Other	-				

Note: Existing EE RE0008A (1800) MHA in Nemesis is incorrect. As per survey photos LGP18521 (1800) MHA installed. Drawing updated to match with survey photos. Nemesis data needs to be updated. "DIFF raised"

STATUS KEY:

Installed: Existing
Retain: Existing and to remain
Relocate: Existing and to be relocated
Remove: Existing to be removed from site
Proposed: New on site

LOCATION KEY:

Outdoor: Located outside
Indoor: Located within an equipment cabin or equipment room
Internal: located inside a cabinet or item of equipment

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	Vendor swap	Planning	A
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Site Name:
WESTON HILLS RESERVOIR

Site ID:
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Address:
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SG4 7EB

Title:
006 FIXIT's & PROJECT DEPENDENCIES

Project:
VENDOR SWAP

Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID: 16729	MBNL Cell ID: NHE051	3UK Cell ID: SG0331
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Master Drawing No: 1205594_NHE051_16729_SG0331_M001	Issue: A
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Note:
Page is for Internal Distribution Only



ELEVATION A

GRASS AREA

Tree level
+4.00m AGL

GRASS AREA

Existing EE/H3G 450mm wide cable ladder installed on gantry poles
Existing EE 12No. 78-50 feeders, H3G 6No. 78-50 feeders runs in 450mm wide cable ladder

Existing earth pit

Existing EE/H3G Equipment cabin installed on concrete base

Existing EE/H3G 15.0m high monopole on concrete base c/w access ladder & fall arrest system

Existing EE/H3G 2.1m high chainlink fence c/w 3 strands of barbed wire over & 1No. double access gates

Existing EE/H3G meter cabinet installed on concrete base within fenceline c/w Three phase 100A REC supply & generator changeover switch

Existing earth pit

Existing EE 3No. LGP18521 (1800) MHA's on support poles fixed to headframe

Existing H3G 3No. KA2100A (2100) MHA's & EE 3No. LGP18521 (1800) MHA's on support poles fixed to headframe

Existing EE/H3G 1No. Ø300mm dish mounted on support pole fixed to headframe

Existing EE 3No. RACA 130-0005 antennas on support poles fixed to headframe

Existing EE/H3G 3No. RACA 130-0005 antennas on support poles fixed to headframe

Existing pits

GROUND LEVEL 0.0m

Tree level
+4.00m AGL

GROUND LEVEL
+3.0m AGL

Existing handrail

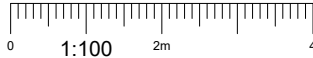
Existing steps

Existing manhole

Roof level
+3.50m AGL

GRASS AREA

EXISTING SITE PLAN



NOTES:

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Note: Existing EE RE0008A (1800) MHA in Nemesis is incorrect. As per survey photos LGP18521 (1800) MHA installed. Drawing updated to match with survey photos. Nemesis data needs to be updated. "DIFF raised"

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	Vendor swap	Planning	A
Date:	11/09/2024	Revision / Upgrade Description:		
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Approved:	HG			



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WESTON HILLS RESERVOIR

Site ID:

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SG4 7EB

Title:

100 EXISTING SITE PLAN

Project:

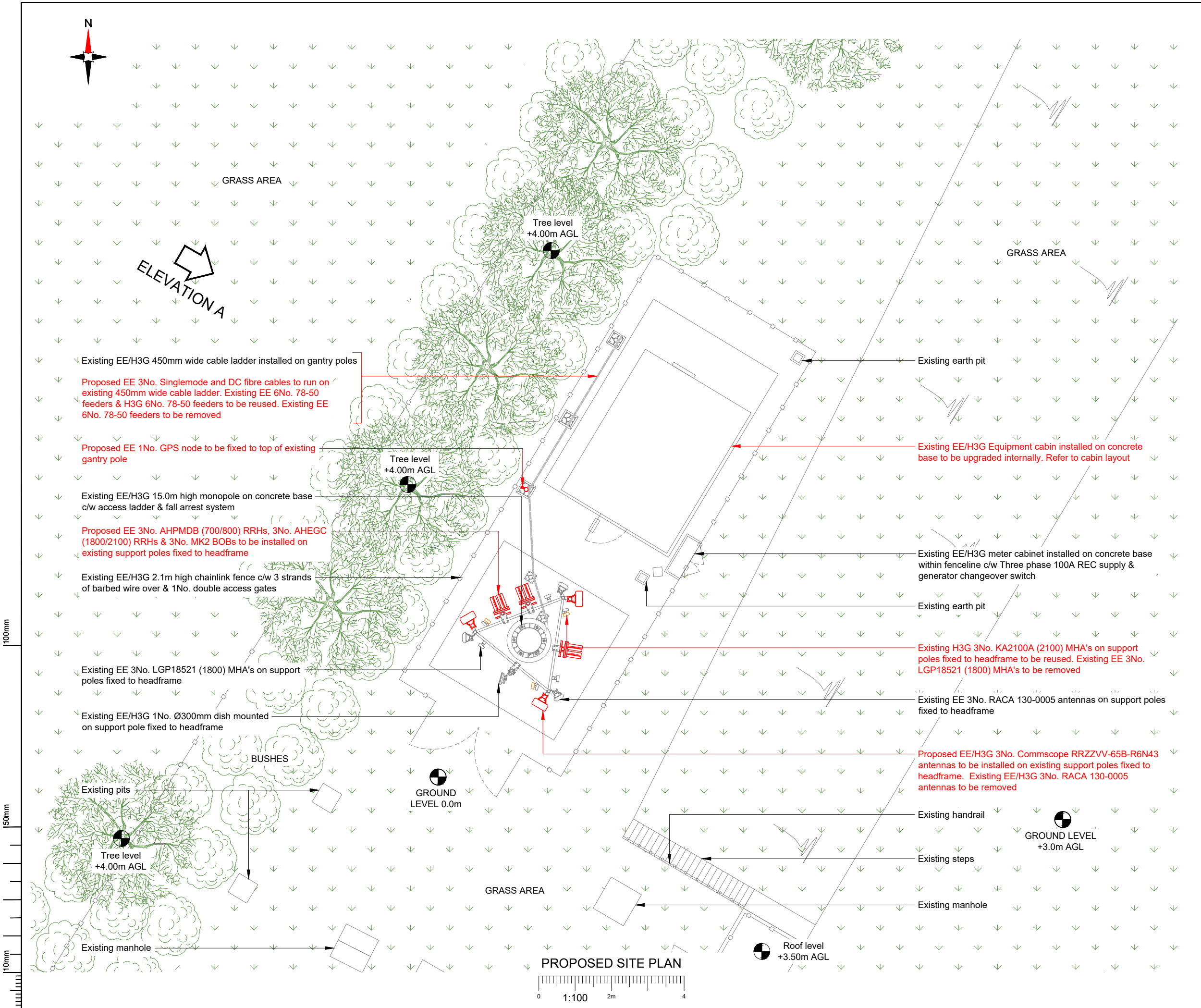
VENDOR SWAP

Purpose of Issue:

GENERAL ARRANGEMENT

EE Cell ID:	MBNL Cell ID:	3UK Cell ID:
16729	NHE051	SG0331

Master Drawing No:	Issue:
1205594_NHE051_16729_SG0331_M001	A



NOTES:

1. ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

Note;
All existing feeder cables to be re-used. Subject to testing.

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
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Date:	11/09/2024	Revision / Upgrade Description:		
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Address:
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SG4 7EB**

Title:
150 PROPOSED SITE PLAN

Project:
VENDOR SWAP

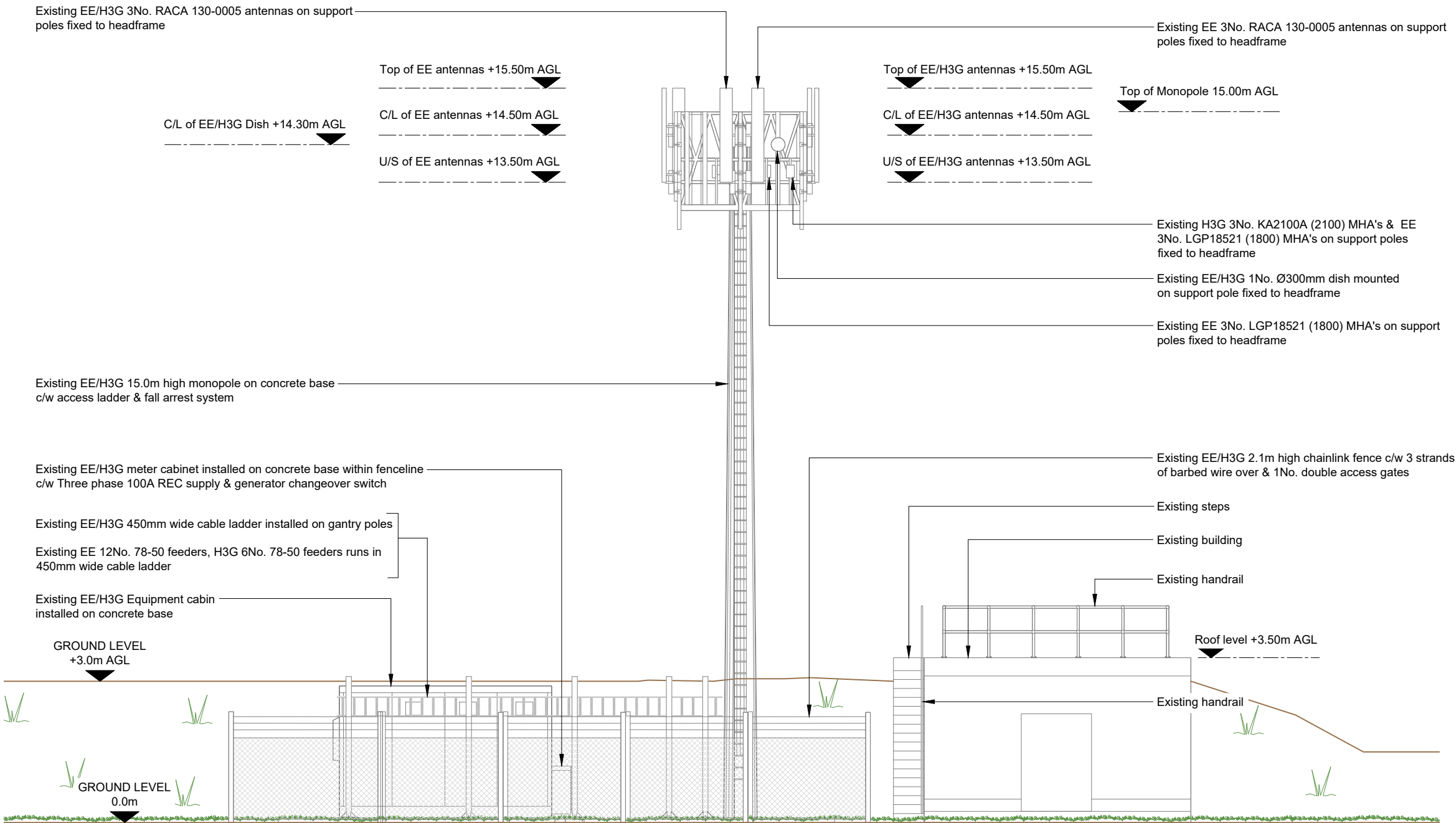
Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID:	MBNL Cell ID:	3UK Cell ID:
16729	NHE051	SG0331

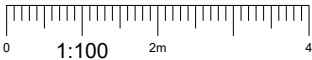
Master Drawing No:
1205594_NHE051_16729_SG0331_M001

Issue:
A

100mm
50mm
10mm



EXISTING SITE ELEVATION A



- NOTES:
- ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

Note: Existing EE RE0008A (1800) MHA in Nemesis is incorrect. As per survey photos LGP18521 (1800) MHA installed. Drawing updated to match with survey photos. Nemesis data needs to be updated. "DIFF raised"

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
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WESTON HILLS RESERVOIR

Site ID:
1205594

Address:
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SG4 7EB

Title:
200 EXISTING SITE ELEVATION A

Project:
VENDOR SWAP

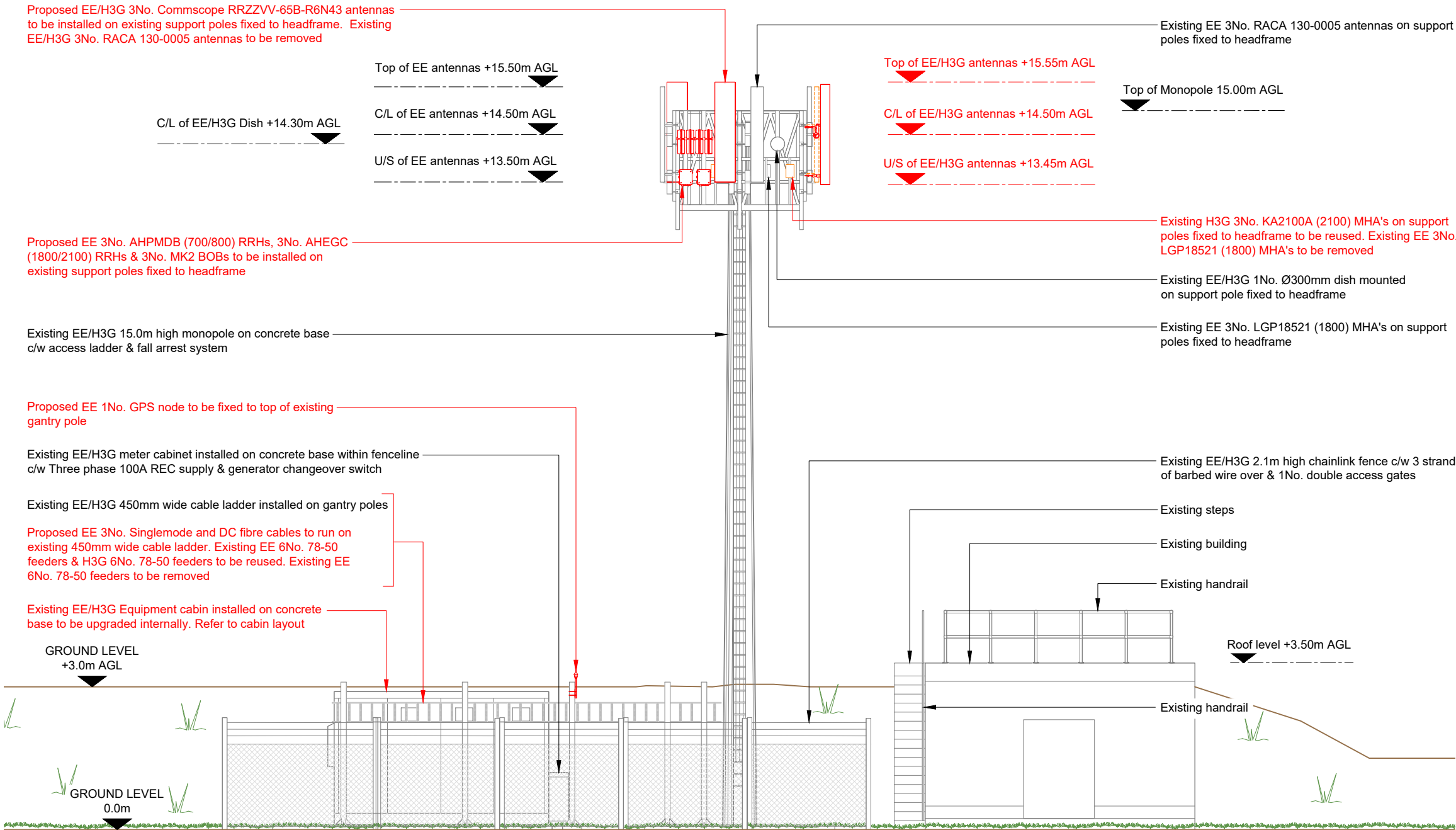
Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID:	MBNL Cell ID:	3UK Cell ID:
16729	NHE051	SG0331

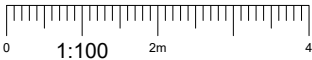
Master Drawing No:
1205594_NHE051_16729_SG0331_M001

Issue:
A

100mm
50mm
10mm



PROPOSED SITE ELEVATION A



NOTES:

1. ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

Note;
All existing feeder cables to be re-used. Subject to testing.

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	Vendor swap	Planning	A
Date:	11/09/2024	Revision / Upgrade Description:		
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WESTON HILLS RESERVOIR

Site ID:

1205594

Address:

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HERTFORDSHIRE
SG4 7EB

Title:

250 PROPOSED SITE ELEVATION A

Project:

VENDOR SWAP

Purpose of Issue:

GENERAL ARRANGEMENT

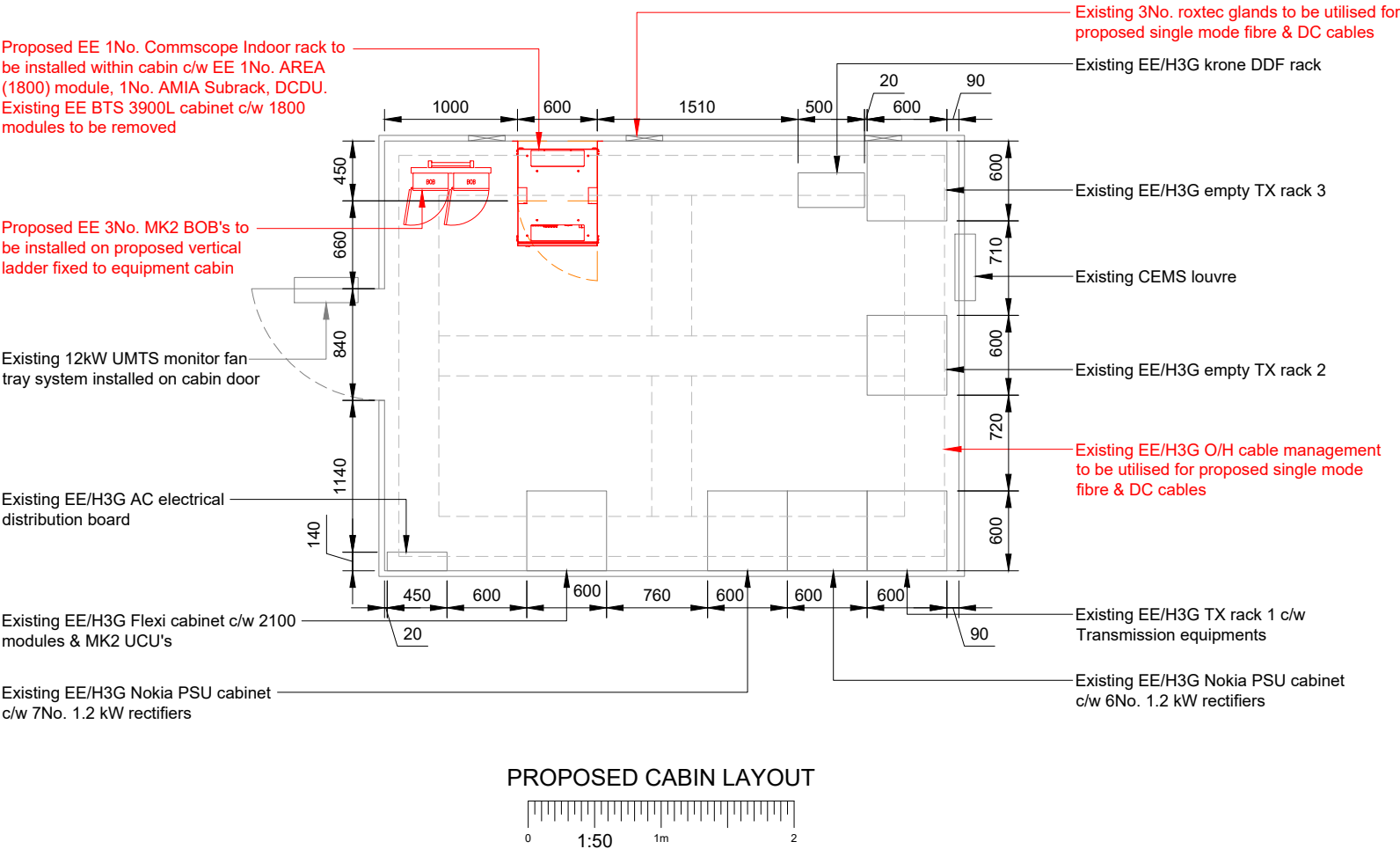
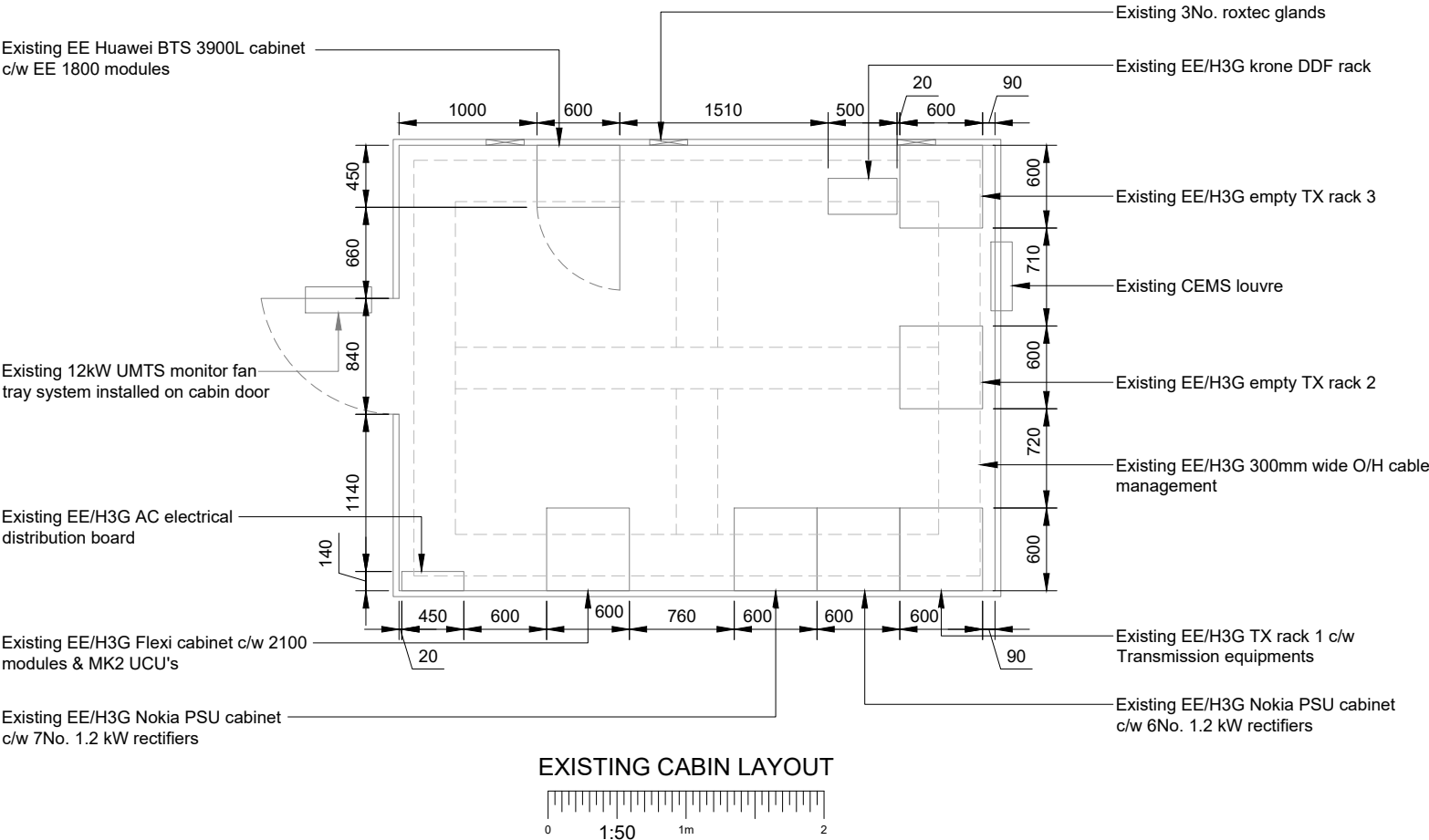
EE Cell ID:	MBNL Cell ID:	3UK Cell ID:
16729	NHE051	SG0331

Master Drawing No:

1205594_NHE051_16729_SG0331_M001

Issue:

A



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Site ID:

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SG4 7EB

Title:

300 CABIN LAYOUT

Project:

VENDOR SWAP

Purpose of Issue:

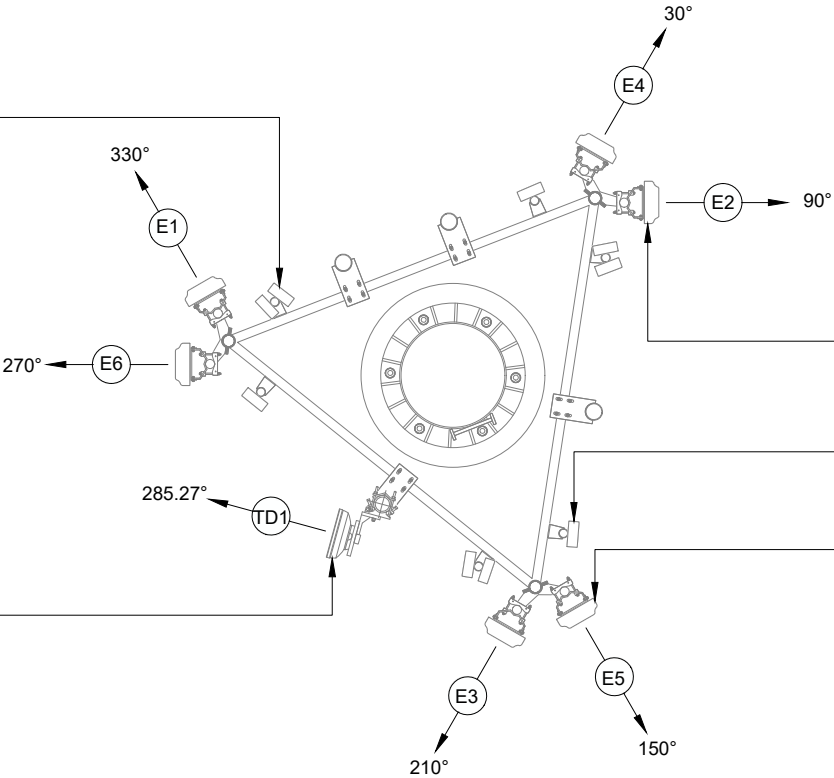
GENERAL ARRANGEMENT

EE Cell ID:	MBNL Cell ID:	3UK Cell ID:
16729	NHE051	SG0331

Master Drawing No:	Issue:
1205594_NHE051_16729_SG0331_M001	A



Existing H3G 3No. KA2100A (2100) MHA's & EE 3No. LGP18521 (1800) MHA's on support poles fixed to headframe



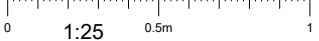
Existing EE/H3G 1No. Ø300mm dish mounted on support pole fixed to headframe

Existing EE/H3G 3No. RACA 130-0005 antennas on support poles fixed to headframe

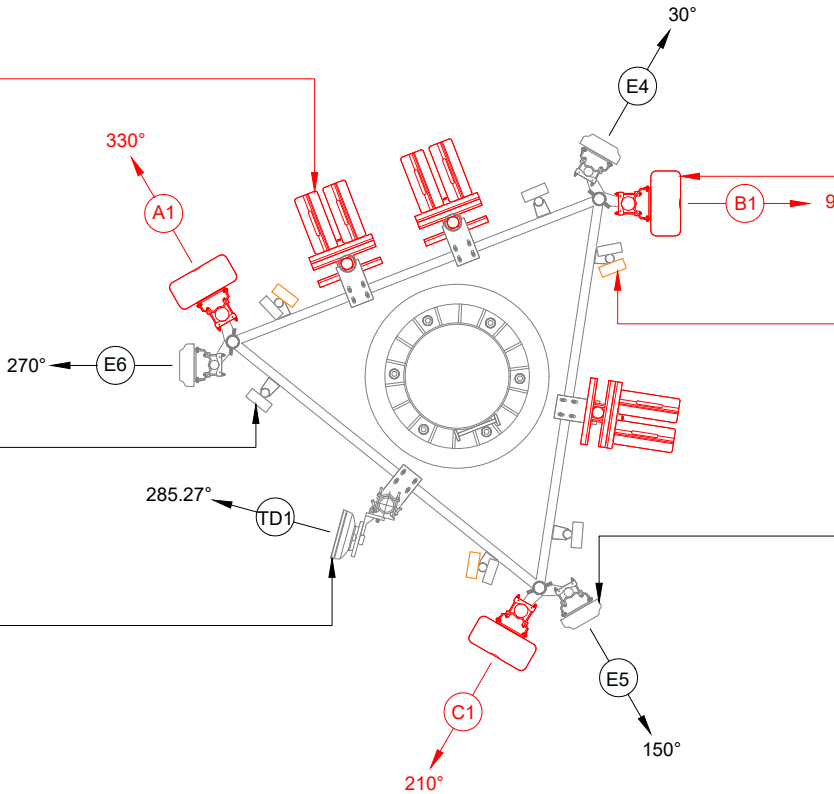
Existing EE 3No. LGP18521 (1800) MHA's on support poles fixed to headframe

Existing EE 3No. RACA 130-0005 antennas on support poles fixed to headframe

EXISTING ANTENNA PLAN



Proposed EE 3No. AHPMDB (700/800) RRHs, 3No. AHEGC (1800/2100) RRHs & 3No. MK2 BOBs to be installed on existing support poles fixed to headframe



Existing EE 3No. LGP18521 (1800) MHA's on support poles fixed to headframe

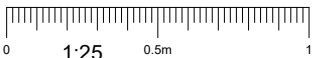
Existing EE/H3G 1No. Ø300mm dish mounted on support pole fixed to headframe

Proposed EE/H3G 3No. Commscope RRZZVV-65B-R6N43 antennas to be installed on existing support poles fixed to headframe. Existing EE/H3G 3No. RACA 130-0005 antennas to be removed

Existing H3G 3No. KA2100A (2100) MHA's on support poles fixed to headframe to be reused. Existing EE 3No. LGP18521 (1800) MHA's to be removed

Existing EE 3No. RACA 130-0005 antennas on support poles fixed to headframe

PROPOSED ANTENNA & RRH PLAN



NOTES:

1. ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

Note: Existing EE RE0008A (1800) MHA in Nemesis is incorrect. As per survey photos LGP18521 (1800) MHA installed. Drawing updated to match with survey photos. Nemesis data needs to be updated. "DIFF raised"

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	Vendor swap	Planning	A
Drawn:	SPB	Revision / Upgrade Description: First Issue		
Checked:	KS			
Approved:	HG			



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Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
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Design & Principal Consultant:



UK Office:
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Birmingham Business Park, B37 7YU

Tel: +44 (0)1908 377 766
Email: info@ktl.ie

Site Name:

WESTON HILLS RESERVOIR

Site ID:

1205594

Address:

HATCH LANE
BALDOCK
HITCHIN
HERTFORDSHIRE
SG4 7EB

Title:

310 ANTENNA PLAN

Project:

VENDOR SWAP

Purpose of Issue:

GENERAL ARRANGEMENT

EE Cell ID:	MBNL Cell ID:	3UK Cell ID:
16729	NHE051	SG0331

Master Drawing No:	Issue:
1205594_NHE051_16729_SG0331_M001	A

EXISTING ANTENNA SCHEDULE

ANTENNAS							FEEDER/FIBRE							BOBS / MHA's / RRU's / JUMPERS / ROUTERS											Antenna Status / Additional comments
Antenna ID	Antenna Manufacturer & Type	Antenna AGL (m)	Antenna Bearing (°)	Operator	Spectrum Port number	Tech Deployed	Type & Length(m)					Main Feeder Type (COAX or Fibre)	Main Feeders QTY	Fibre Trunk Length	BOB Low Level QTY / TYPE	BBU to BOB length (m)	BOB High Level QTY / Type	BOB to RRU / AAU Length (m)	RFU / RRU / AAU (RRU Type to be called off)	RRU to Antenna Length (m)	MHA Type	Passive Router (Low Level)	Active Router (High Level)	COAX Feeder Loss (db)	
		Low level Jumper					Main Feeder	High Level Jumper 1 (MHA)	High Level Jumper 2 (router/ combiner)	Total															
E1	RACA 130-0005	15.50 14.50 13.50	330°	H3G	1 - 2	2100	4-50 =2m	78-50 =25m	4-50 =2m	-	29m	COAX	2No. Existing	-	-	-	-	-	RFU	-	KA2100A	-	-	Ex.	Remove
		EE		3 - 4	1800	4-50 =2m	78-50 =23m	4-50 =2m	-	27m	COAX	2No. Existing	-	-	-	-	-	RFU	-	LGP18521	-	-	-2.35		
E2	RACA 130-0005	15.50 14.50 13.50	90°	H3G	1 - 2	2100	4-50 =2m	78-50 =25m	4-50 =2m	-	29m	COAX	2No. Existing	-	-	-	-	-	RFU	-	KA2100A	-	-	Ex.	Remove
		EE		3 - 4	1800	4-50 =2m	78-50 =23m	4-50 =2m	-	27m	COAX	2No. Existing	-	-	-	-	-	RFU	-	LGP18521	-	-	-2.35		
E3	RACA 130-0005	15.50 14.50 13.50	210°	H3G	1 - 2	2100	4-50 =2m	78-50 =25m	4-50 =2m	-	29m	COAX	2No. Existing	-	-	-	-	-	RFU	-	KA2100A	-	-	Ex.	Remove
		EE		3 - 4	1800	4-50 =2m	78-50 =23m	4-50 =2m	-	27m	COAX	2No. Existing	-	-	-	-	-	RFU	-	LGP18521	-	-	-2.35		
E4	RACA 130-0005	15.50 14.50 13.50	30°	-	1 - 2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Remain
		EE		3 - 4	1800	4-50 =2m	78-50 =23m	4-50 =2m	-	27m	COAX	2No. Existing	-	-	-	-	-	-	RFU	-	LGP18521	-	-	-2.35	
E5	RACA 130-0005	15.50 14.50 13.50	150°	-	1 - 2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Remain
		EE		3 - 4	1800	4-50 =2m	78-50 =23m	4-50 =2m	-	27m	COAX	2No. Existing	-	-	-	-	-	-	RFU	-	LGP18521	-	-	-2.35	
E6	RACA 130-0005	15.50 14.50 13.50	270°	-	1 - 2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Remain
		EE		3 - 4	1800	4-50 =2m	78-50 =23m	4-50 =2m	-	27m	COAX	2No. Existing	-	-	-	-	-	-	RFU	-	LGP18521	-	-	-2.35	

Note: EE BT UMTS has been decommissioned

Note: Existing EE RE0008A (1800) MHA in Nemesis is incorrect. As per survey photos LGP18521 (1800) MHA installed. Drawing updated to match with survey photos. Nemesis data needs to be updated. "DIFF raised"

Master: M001

Date: 11/09/2024

Drawn: SPB

Checked: KS

Approved: HG

MBNL / EE / H3G: MBNL

11/09/2024

SPB

KS

HG

Project: Vendor swap

Revision / Upgrade Description: First Issue

Purpose of Issue: Planning

Issue: A



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Tel: +44 (0)1908 377 766
Email: info@ktl.ie

Site Name:

WESTON HILLS RESERVOIR

Site ID:

1205594

Address:

HATCH LANE
BALDOCK
HITCHIN
HERTFORDSHIRE
SG4 7EB

Title:

320 EXISTING ANTENNA SCHEDULE

Project:

VENDOR SWAP

Purpose of Issue:

GENERAL ARRANGEMENT

EE Cell ID: 16729

MBNL Cell ID: NHE051

3UK Cell ID: SG0331

Master Drawing No: 1205594_NHE051_16729_SG0331_M001

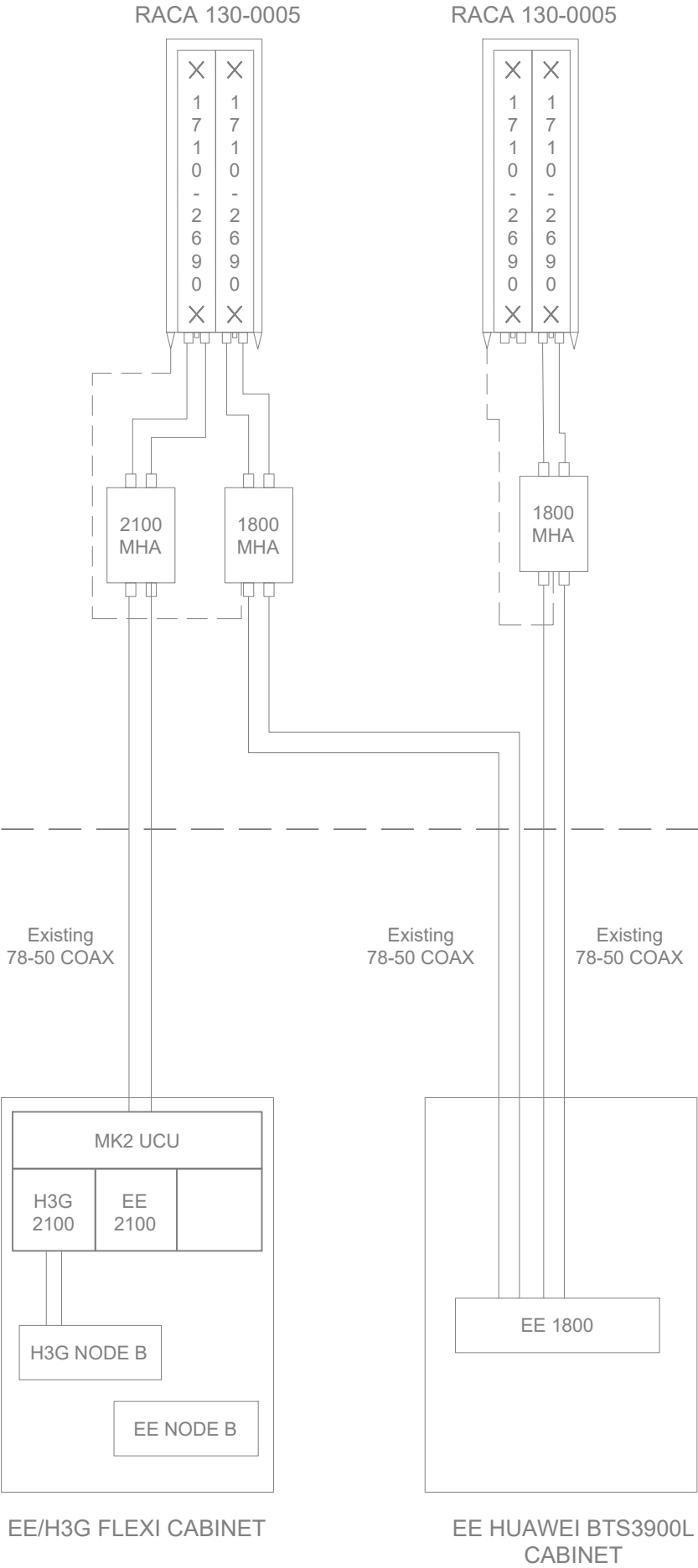
Issue: A

100mm

50mm

10mm

Note: EE BT UMTS has been decommissioned



Master: M001		MBNL / EE / H3G:		Project: Vendor swap		Purpose of Issue: Planning		Issue: A	
Date: 11/09/2024		Drawn: SPB		Checked: KS		Approved: HG		Revision / Upgrade Description: First Issue	
		Hatfield Business Park Hatfield Hertfordshire AL10 9BW Tel: 01707 315000 Fax: 01707 319001							
Design & Principal Consultant:									
									
UK Office: UBC Building, 1310 Solihull Parkway, Birmingham Business Park, B37 7YU Tel: +44 (0)1908 377 766 Email: info@ktl.ie									
Site Name: WESTON HILLS RESERVOIR									
Site ID: 1205594									
Address: HATCH LANE BALDOCK HITCHIN HERTFORDSHIRE SG4 7EB									
Title: 325 EXISTING ANTENNA LINE CONFIGURATION									
Project: VENDOR SWAP									
Purpose of Issue: GENERAL ARRANGEMENT									
EE Cell ID: 16729		MBNL Cell ID: NHE051		3UK Cell ID: SG0331					
Master Drawing No: 1205594_NHE051_16729_SG0331_M001									Issue: A

PROPOSED ANTENNA SCHEDULE (Proposed / Existing-Remain)																										
ANTENNAS							FEEDER/FIBRE							BOBS / MHA's / RRU's / JUMPERS / ROUTERS										Antenna Status / Additional comments		
Antenna ID	Antenna Manufacturer & Type	Antenna AGL (m) TOP C/L U/S	Antenna Bearing (°)	Operator	Spectrum Port number	Tech Deployed	Type & Length(m)					Main Feeder Type (COAX or Fibre)	Main Feeders QTY Existing / Proposed	Fibre Trunk Length	BOB Low Level QTY / TYPE	BBU to BOB length (m)	BOB High Level QTY / Type	BOB to RRU / AAU Length (m)	RFU / RRU / AAU (RRU Type to be called off)	RRU to Antenna Length (m)	MHA Type	Passive Router (Low Level)	Active Router (High Level)		COAX Feeder Loss (db)	
							Low level Jumper	Main Feeder	High Level Jumper 1 (MHA)	High Level Jumper 2 (router/combiner)	Total															
A1	COMMSCOPE RRZZVV-65B-R6N43	15.55 14.50 13.45	330°	EE	1 - 2	700/800	-	-	-	-	-	Singlemode DC fibre	1No. Proposed	30m	MK2 BOB	3m	MK2 BOB	2m	AHPMDB RRH	2m	-	-	-	-	-0.13/-0.13	Proposed
					3 - 4		-	-	-	-	-							2m		-	-	-	-0.13/-0.13			
				EE	5 - 6	1800/2100	-	-	-	-	-	COAX	2No. Existing	-	-	-	-	RFU	-	KA2100A	-	-	-	-	-0.20/-0.22	
				H3G	7 - 8	2100	4-50 =2m	78-50 =25m	4-50 =2m	-	29m														-	
				-	9 - 10	-	-	-	-	-	-														-	
				EE	11 - 12	1800/2100	-	-	-	-	-	-	Singlemode DC fibre	1No. Proposed	30m	MK2 BOB	3m	MK2 BOB	2m	AHEGC RRH	2m	-	-	-	-	
B1	COMMSCOPE RRZZVV-65B-R6N43	15.55 14.50 13.45	90°	EE	1 - 2	700/800	-	-	-	-	-	Singlemode DC fibre	1No. Proposed	30m	MK2 BOB	3m	MK2 BOB	2m	AHPMDB RRH	2m	-	-	-	-	-0.13/-0.13	Proposed
					3 - 4		-	-	-	-	-							2m		-	-	-	-	-0.13/-0.13		
				EE	5 - 6	1800/2100	-	-	-	-	-	COAX	2No. Existing	-	-	-	-	RFU	-	KA2100A	-	-	-	-	-0.20/-0.22	
				H3G	7 - 8	2100	4-50 =2m	78-50 =25m	4-50 =2m	-	29m														-	
				-	9 - 10	-	-	-	-	-	-														-	
				EE	11 - 12	1800/2100	-	-	-	-	-	-	Singlemode DC fibre	1No. Proposed	30m	MK2 BOB	3m	MK2 BOB	2m	AHEGC RRH	2m	-	-	-	-	
C1	COMMSCOPE RRZZVV-65B-R6N43	15.55 14.50 13.45	210°	EE	1 - 2	700/800	-	-	-	-	-	Singlemode DC fibre	1No. Proposed	30m	MK2 BOB	3m	MK2 BOB	2m	AHPMDB RRH	2m	-	-	-	-	-0.13/-0.13	Proposed
					3 - 4		-	-	-	-	-							2m		-	-	-	-	-0.13/-0.13		
				EE	5 - 6	1800/2100	-	-	-	-	-	COAX	2No. Existing	-	-	-	-	RFU	-	KA2100A	-	-	-	-	-0.20/-0.22	
				H3G	7 - 8	2100	4-50 =2m	78-50 =25m	4-50 =2m	-	29m														-	
				-	9 - 10	-	-	-	-	-	-														-	
				EE	11 - 12	1800/2100	-	-	-	-	-	-	Singlemode DC fibre	1No. Proposed	30m	MK2 BOB	3m	MK2 BOB	2m	AHEGC RRH	2m	-	-	-	-	
E4	RACA 130-0005	15.50 14.50 13.50	30°	-	1 - 2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Remain	
				EE	3 - 4	1800	4-50 =2m	78-50 =23m	4-50 =2m	-	27m	COAX	2No. Existing	-	-	-	-	-	AREA	-	LGP18521	-	-	-2.35		
E5	RACA 130-0005	15.50 14.50 13.50	150°	-	1 - 2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Remain	
				EE	3 - 4	1800	4-50 =2m	78-50 =23m	4-50 =2m	-	27m	COAX	2No. Existing	-	-	-	-	-	AREA	-	LGP18521	-	-	-2.35		
E6	RACA 130-0005	15.50 14.50 13.50	270°	-	1 - 2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Remain	
				EE	3 - 4	1800	4-50 =2m	78-50 =23m	4-50 =2m	-	27m	COAX	2No. Existing	-	-	-	-	-	AREA	-	LGP18521	-	-	-2.35		

Note: EE BT UMTS has been decommissioned

Master: M001

Date: 11/09/2024

Drawn: SPB

Checked: KS

Approved: HG

MBNL / EE / H3G: MBNL

11/09/2024

SPB

KS

HG

Project: Vendor swap

Revision / Upgrade Description: First Issue

Purpose of Issue: Planning

Issue: A



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Hertfordshire

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Email: info@ktl.ie

Site Name:

WESTON HILLS RESERVOIR

Site ID:

1205594

Address:

HATCH LANE

BALDOCK

HITCHIN

HERTFORDSHIRE

SG4 7EB

Title:

330 PROPOSED ANTENNA SCHEDULE

Project:

VENDOR SWAP

Purpose of Issue:

GENERAL ARRANGEMENT

EE Cell ID: 16729

MBNL Cell ID: NHE051

3UK Cell ID: SG0331

Master Drawing No: 1205594_NHE051_16729_SG0331_M001

Issue: A

100mm

50mm

10mm

100mm
50mm
10mm

RACA 130-0005

Commscope RRZZVV-65B-R6N43
2.1m long antenna

New 4-50
jumpers from
RRH to antenna

Existing
78-50 COAX

Note: 2nd DC cable shown as
a dashed line, requirement is
subject to Electrical Calcs

Existing
78-50 COAX

HIGH LEVEL EQUIPMENT
LOW LEVEL EQUIPMENT

New DC cables from
cabinet to BOB

New Fibre System
Bottom Jumpers from
cabinet to BOB

Note: EE BT UMTS has
been decommissioned

PROPOSED EE INDOOR RACK

EE/H3G FLEXI CABINET

Key

Description	Line Style
Proposed 700/800	
Proposed 3G 1800/2100	
Proposed LTE 1800/2100	
Proposed 2600	
Proposed 3400-3600	
Existing Feeders, Jumpers, Equipment	
Proposed Feeders & Equipment	
Proposed Power Cables	
Proposed Single Mode Fibre	
Proposed Multimode Fibre / Hybrid Trunking	
RET Cables	

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	Vendor swap	Planning	A
Date:	11/09/2024	Revision / Upgrade Description:		
Drawn:	SPB	First Issue		
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Site Name:
WESTON HILLS RESERVOIR

Site ID:
1205594

Address:
HATCH LANE
BALDOCK
HITCHIN
HERTFORDSHIRE
SG4 7EB

Title:
335a PROPOSED LINE CONFIGURATION

Project:
VENDOR SWAP

Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID: 16729	MBNL Cell ID: NHE051	3UK Cell ID: SG0331
----------------------	-------------------------	------------------------

Master Drawing No: 1205594_NHE051_16729_SG0331_M001	Issue: A
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Proposed Operators Carrier Count	
Frequency	Count:
700	1
800	1
1800	2
2100	1
2600	0
3500	0

v3.0

AC Power Schedule								
Equipment ID	Supply Status	Operator	Type	Incoming Supply Type	Meter / Service head / location	Distribution Board Manufacturer (cabins / internal rooms)	Upgrade Required (Y / N / TBC at DD)	Comments
MCAB1	Existing	EE/H3G	REC	Three Phase 100A	Ground level	Merlin Gerin	N	-
DC Power Schedule								
Supply Status	Operator	Enclosure / Location	Model	Rectifier		Upgrade Required (Y/ N / TBC at DD)	Comments	
				QTY	Size (kw)			
Existing	EE/H3G	Nokia	PSU	6	1.2	TBC at DD	-	
Existing	EE/H3G	Nokia	PSU	7	1.2	TBC at DD	-	
Transmission Supply Schedule								
Equipment ID	Supply Status	Operator	Enclosure	Type:	Supplier Name	U-Space Available	Comments	
CAB4	Existing	EE/H3G	Tx Rack 1	Microwave Only	BT	31U	-	
CAB5	Existing	EE/H3G	Tx Rack 2	Microwave Only	BT	34U	-	
CAB6	Existing	EE/H3G	Tx Rack 3	Microwave Only	BT	33U	-	
Transmission Dish Schedule								
Equipment ID	Supply Status	Size Ø (mm)	Colour (RAL Colour)	Height (C/L) AGL	Bearing (°) EGN	Link Ref:	Relocation height (if required)	Comments (capture lift and shift requirements)
TD1	Existing	Ø300	RAL 9010	14.50m	285.27°	ML97831	-	-

STATUS KEY:

Installed:

Existing

Retain:

Existing and to remain

Relocate:

Existing and to be relocated

Remove:

Existing to be removed from site

Proposed:

New on site

LOCATION KEY:

Outdoor:

Located outside

Indoor:

Located within an equipment cabin or equipment room

Internal:

located inside a cabinet or item of equipment

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	Vendor swap	Planning	A
Date:	11/09/2024	Revision / Upgrade Description:		
Drawn:	SPB	First Issue		
Checked:	KS			
Approved:	HG			



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Email: info@ktl.ie

Site Name:

WESTON HILLS RESERVOIR

Site ID:

1205594

Address:

HATCH LANE

BALDOCK

HITCHIN

HERTFORDSHIRE

SG4 7EB

Title:

401 POWER & TRANSMISSION SCHEDULE

Project:

VENDOR SWAP

Purpose of Issue:

GENERAL ARRANGEMENT

EE Cell ID:	MBNL Cell ID:	3UK Cell ID:
16729	NHE051	SG0331

Master Drawing No:	Issue:
1205594_NHE051_16729_SG0331_M001	A

100mm

50mm

10mm

v3.0



Sector A	Non-T&A - Stepdown 1.0
Sector B	Non-T&A - Stepdown 1.0
Sector C	Non-T&A - Stepdown 1.0

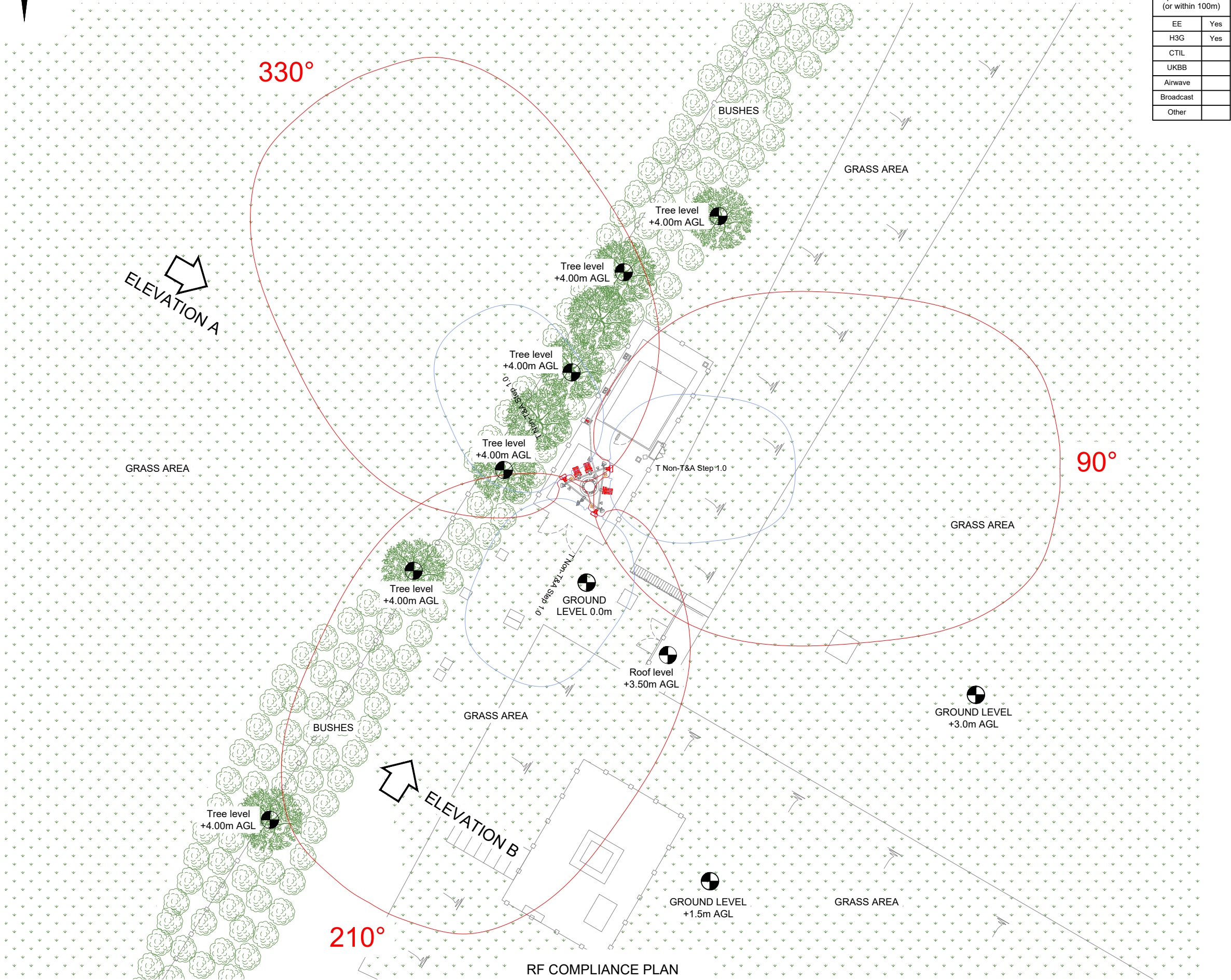
Operators on site (or within 100m)	
EE	Yes
H3G	Yes
CTIL	
UKBB	
Airwave	
Broadcast	
Other	

- NOTES:
- ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.
 - REFER TO TD54000 v11.0 FOR MBNL RF COMPLIANCE GUIDANCE.

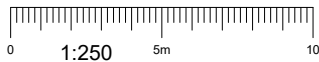
100mm

50mm

10mm



RF COMPLIANCE PLAN



Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	Vendor swap	Planning	A
Date:	11/09/2024	Revision / Upgrade Description:		
Drawn:	SPB	First Issue		
Checked:	KS			
Approved:	HG			



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Site Name:
WESTON HILLS RESERVOIR

Site ID:
1205594

Address:
**HATCH LANE
BALDOCK
HITCHIN
HERTFORDSHIRE
SG4 7EB**

Title:
500 RF COMPLIANCE PLAN

Project:
VENDOR SWAP

Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID:	MBNL Cell ID:	3UK Cell ID:
16729	NHE051	SG0331

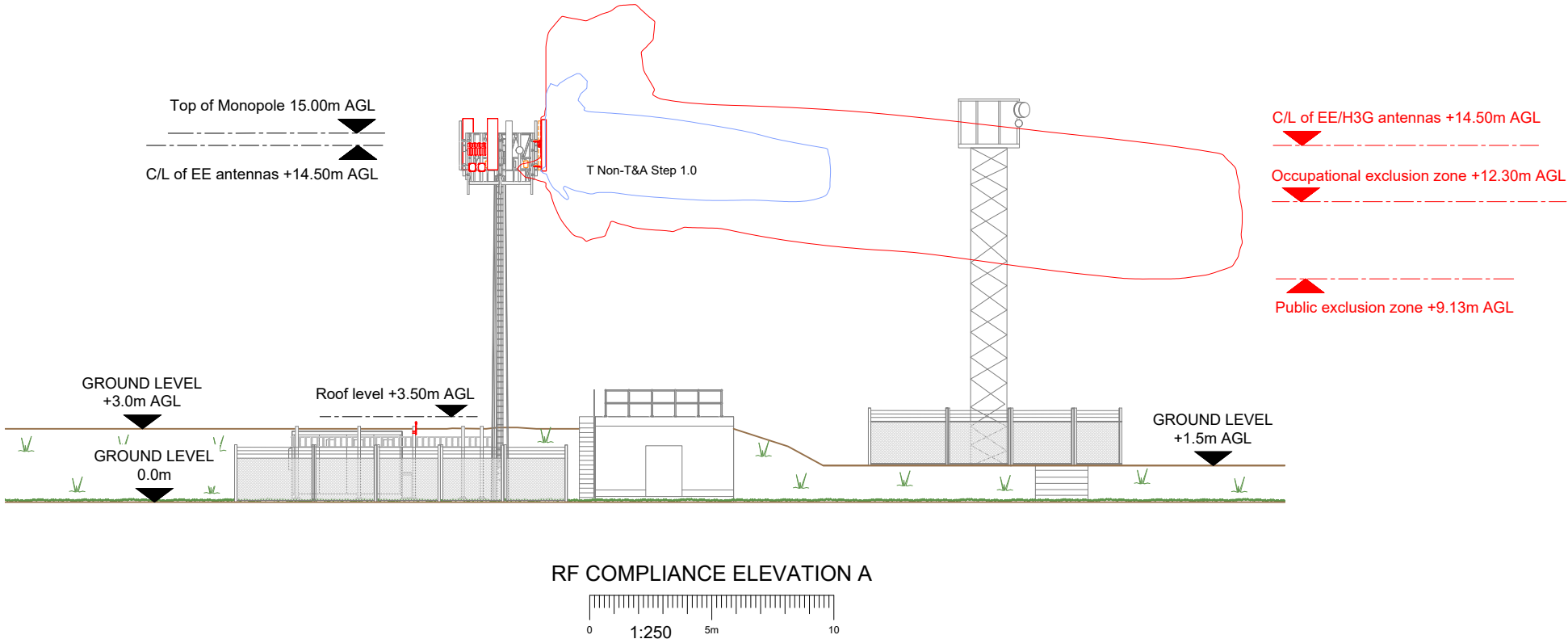
Master Drawing No:
1205594_NHE051_16729_SG0331_M001

Issue:
A

Sector A	Non-T&A - Stepdown 1.0
Sector B	Non-T&A - Stepdown 1.0
Sector C	Non-T&A - Stepdown 1.0

Operators on site (or within 100m)	
EE	Yes
H3G	Yes
CTIL	
UKBB	
Airwave	
Broadcast	
Other	

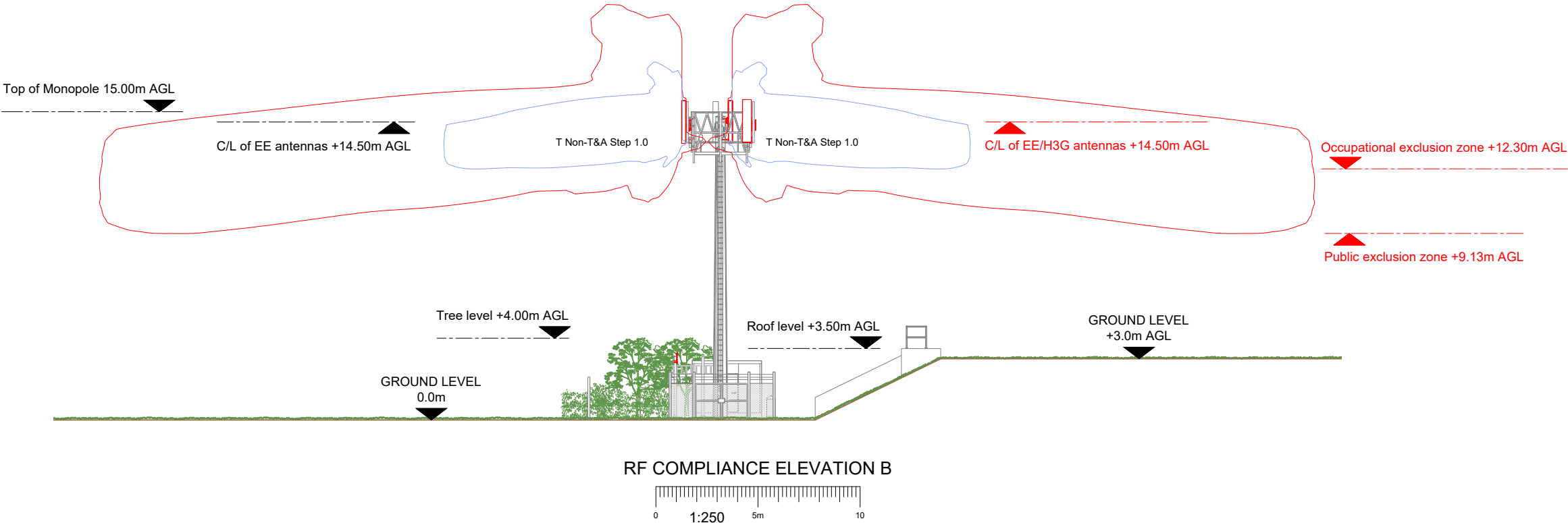
- NOTES:
- ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.
 - REFER TO TD54000 v11.0 FOR MBNL RF COMPLIANCE GUIDANCE.



100mm

50mm

10mm



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Site Name:
WESTON HILLS RESERVOIR

Site ID:
1205594

Address:
**HATCH LANE
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HITCHIN
HERTFORDSHIRE
SG4 7EB**

Title:
510 RF COMPLIANCE ELEVATION A & B

Project:
VENDOR SWAP

Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID: 16729	MBNL Cell ID: NHE051	3UK Cell ID: SG0331
-----------------------------	--------------------------------	-------------------------------

Master Drawing No: 1205594_NHE051_16729_SG0331_M001	Issue: A
---	--------------------