



Rampion Offshore Wind Farm



ES Section 27 – Noise Figures 27.1 -27.6

RSK Environmental Ltd

Document 6.2.27

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APFP Regulation 5(2)(a)

Revision A

E.ON Climate & Renewables UK Rampion Offshore Wind Limited



Legend

- Development Area
- Noise Monitoring Locations



Rev	Date	Description	Drm	Chk	App
02	27.11.12	New Development Area	AJ	ME	DW
01	22.10.12	Development Area	DL	ME	DW
00	20.04.12	First Draft	NH	ME	DW

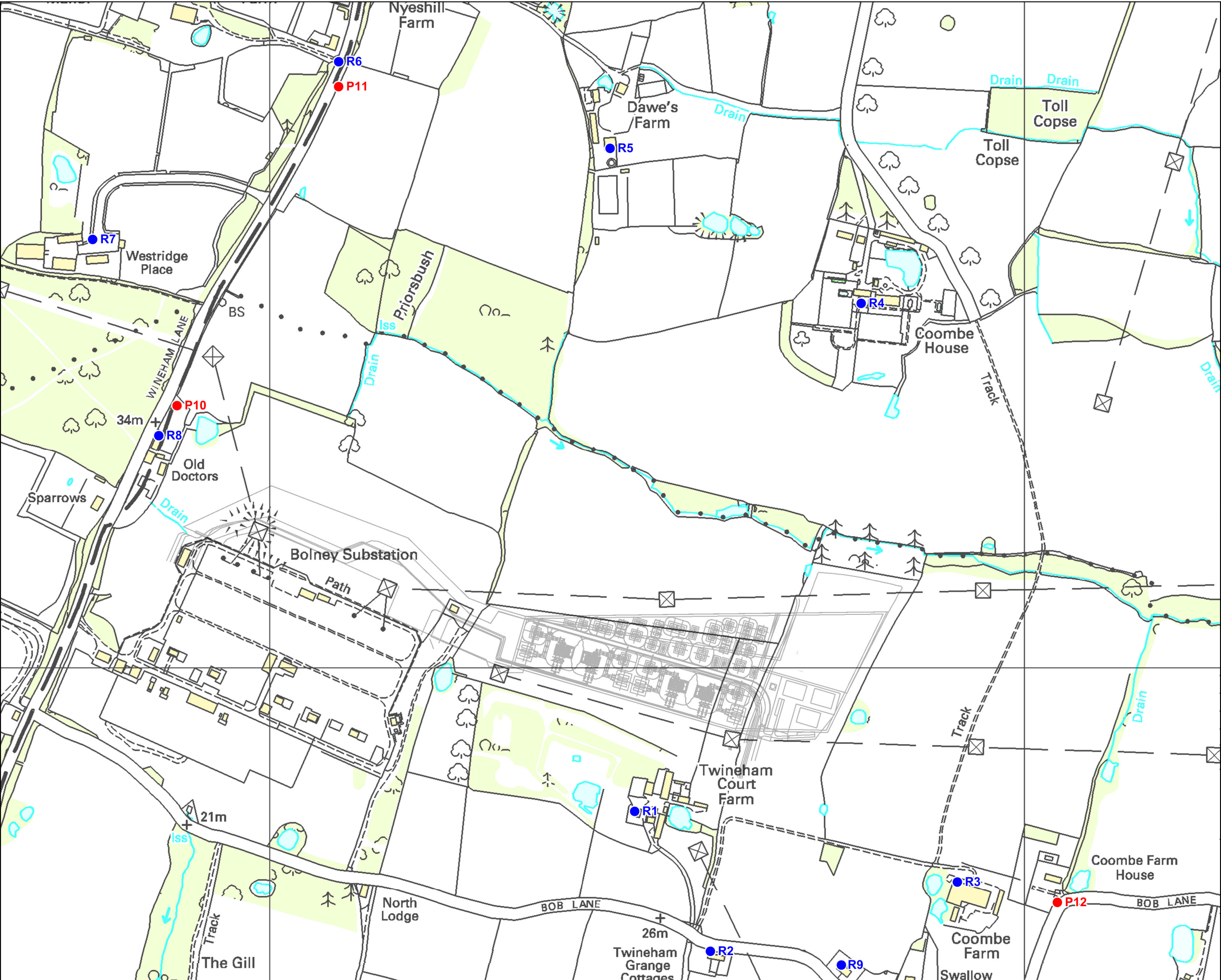
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Figure 27.1: Noise Monitoring Locations Along Cable Route

0 1 2
kilometres
Scale = 1:75,000 @ A3

REV 02



Legend

- Noise Monitoring Locations
- Noise Receptor Locations



Rev	Date	Description	Drm	Chk	App
01	22.10.12	Revised Layout	DL	ME	DW
00	20.04.12	First Draft	NH	ME	DW

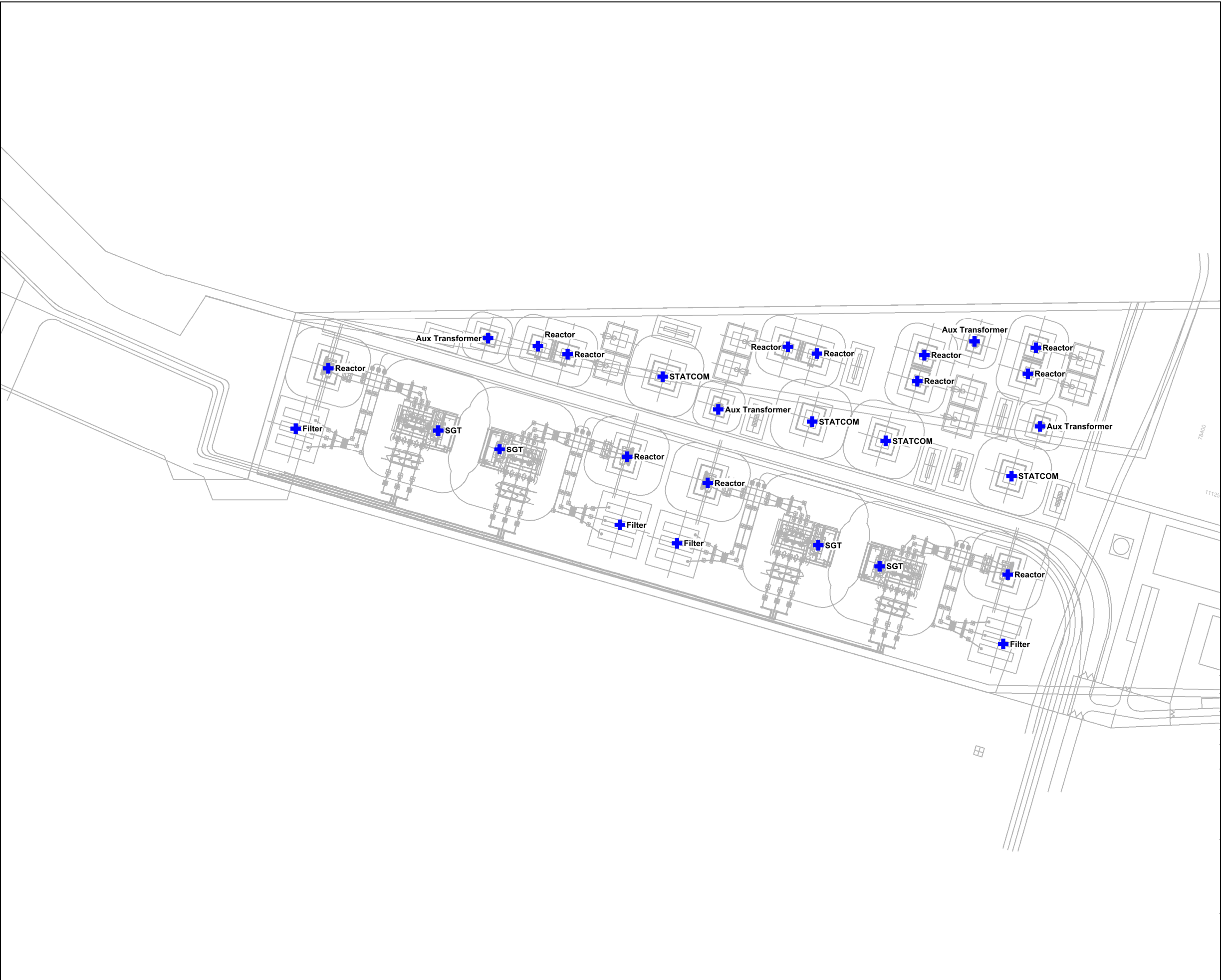
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Title :
Figure 27.2: Monitoring and Receptor Locations Around Substation Options

Scale = 1:5,000 @ A3

REV 01



Legend

Noise Sources

02	15.11.12	Label changes	NH	ME	DW
01	22.10.12	Revised Layout	DL	ME	DW
00	24.04.12	First Draft	NH	ME	DW
Rev	Date	Description	Drm	Chk	App

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Title :

Figure 27.3: Substation Noise Sources

0

25

50

metres

Scale = 1:1500 @ A3

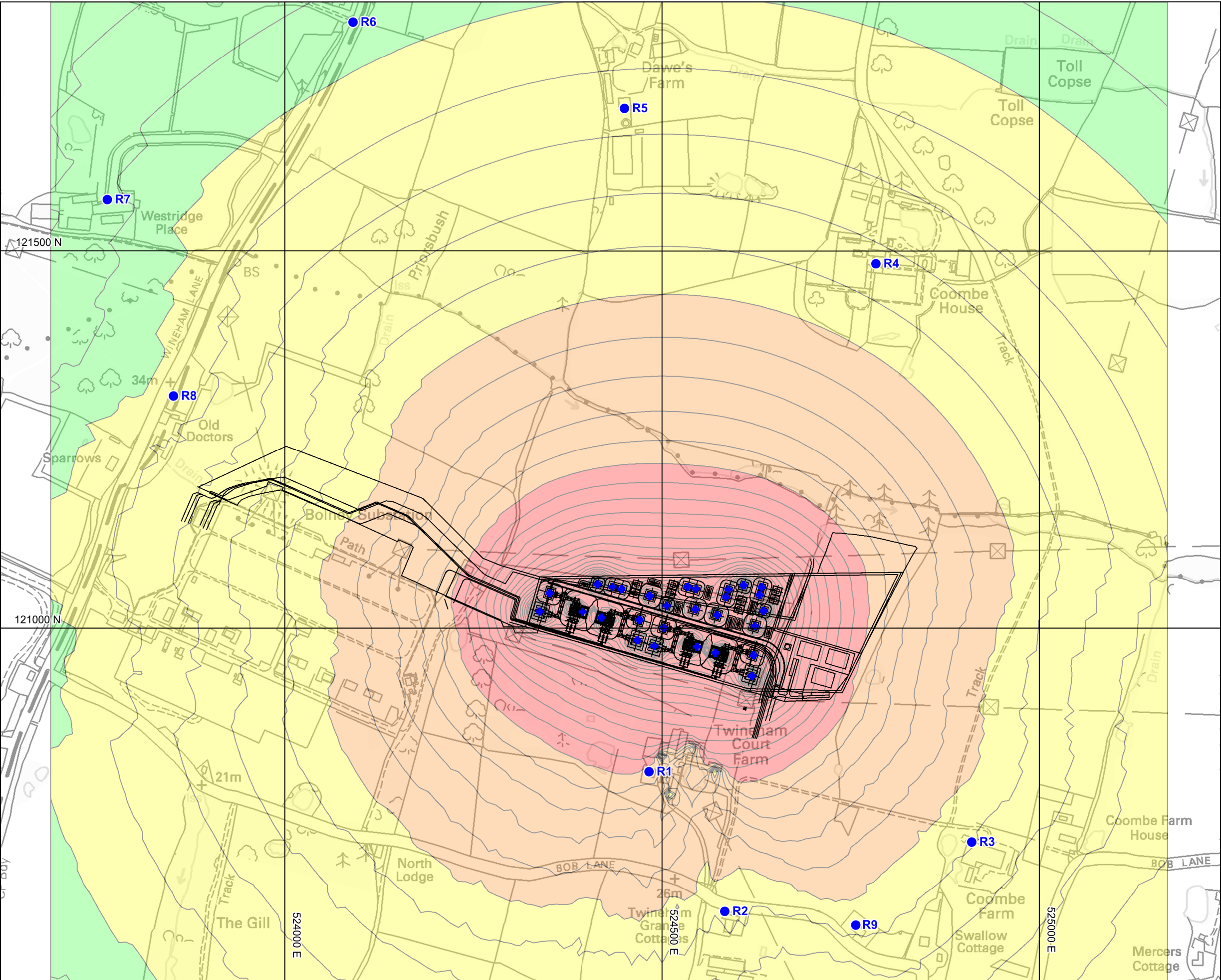
N

W

E

S

REV 02



Legend

- ⊕ Noise Sources
- Receptor Locations
- 35-40 dB(A)
- 40-45 dB(A)
- 45-50 dB(A)
- >50 dB(A)



00	13.11.12	Noise Levels	NH	ME	DW
Rev	Date	Description	Drn	Chk	App

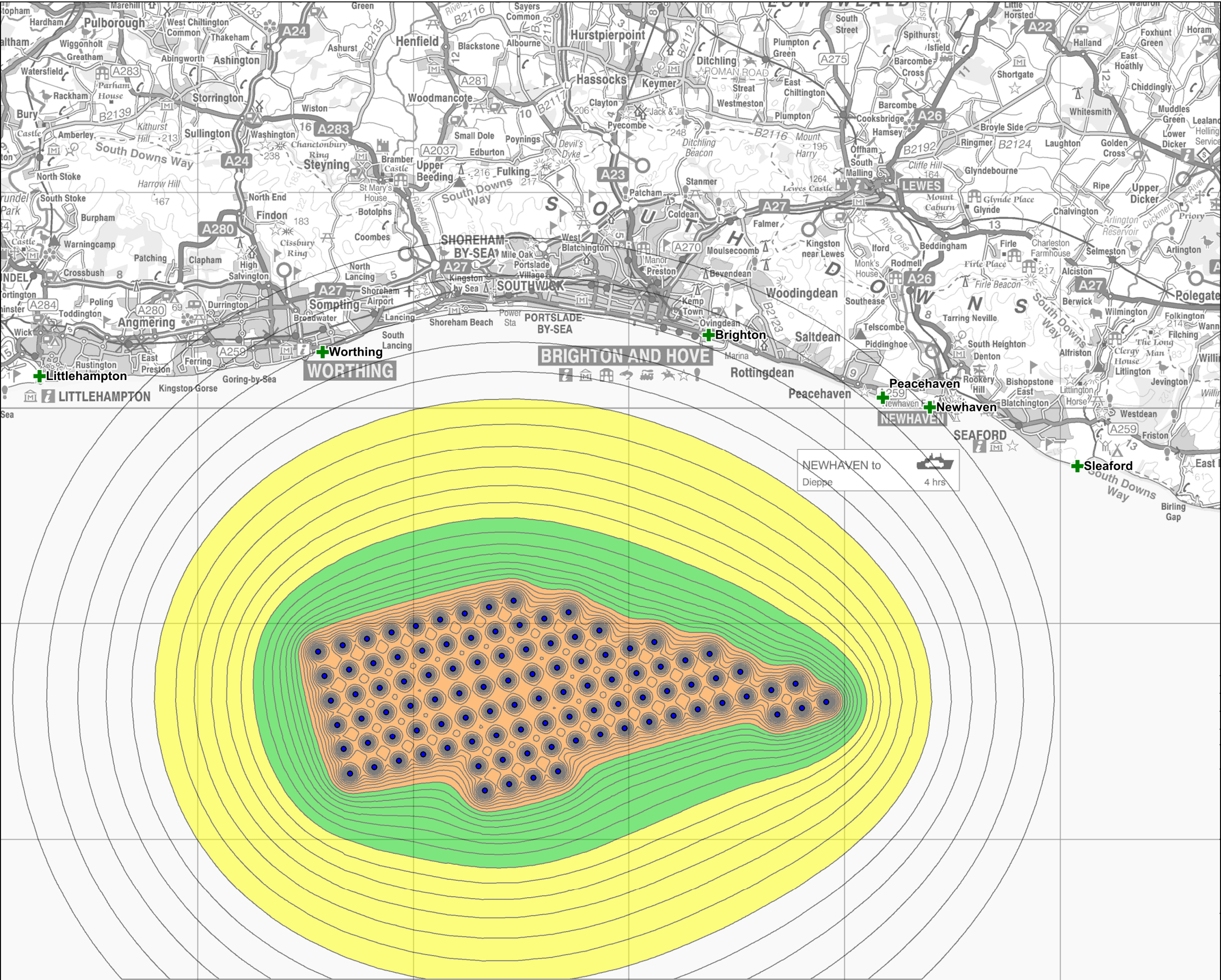
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Title:
Figure 27.4: Substation
Rating Noise Levels

Scale = 1:5000 @ A3

REV 00



Legend

- Proposed Turbine Locations
- Receiver Location
- Within Limits, 20-25dB(A)
- Within Limits, 30-35dB(A)
- ETSU Day Min Limit >35dB(A)
- ETSU Night Min Limit >43dB(A)



Rev	Date	Description	Drm	Chk	App
02	16.11.12	Title	DL	ME	DW
01	24.10.12	Revised Contours	DL	ME	DW
00	23.04.12	First Draft	NH	ME	DW

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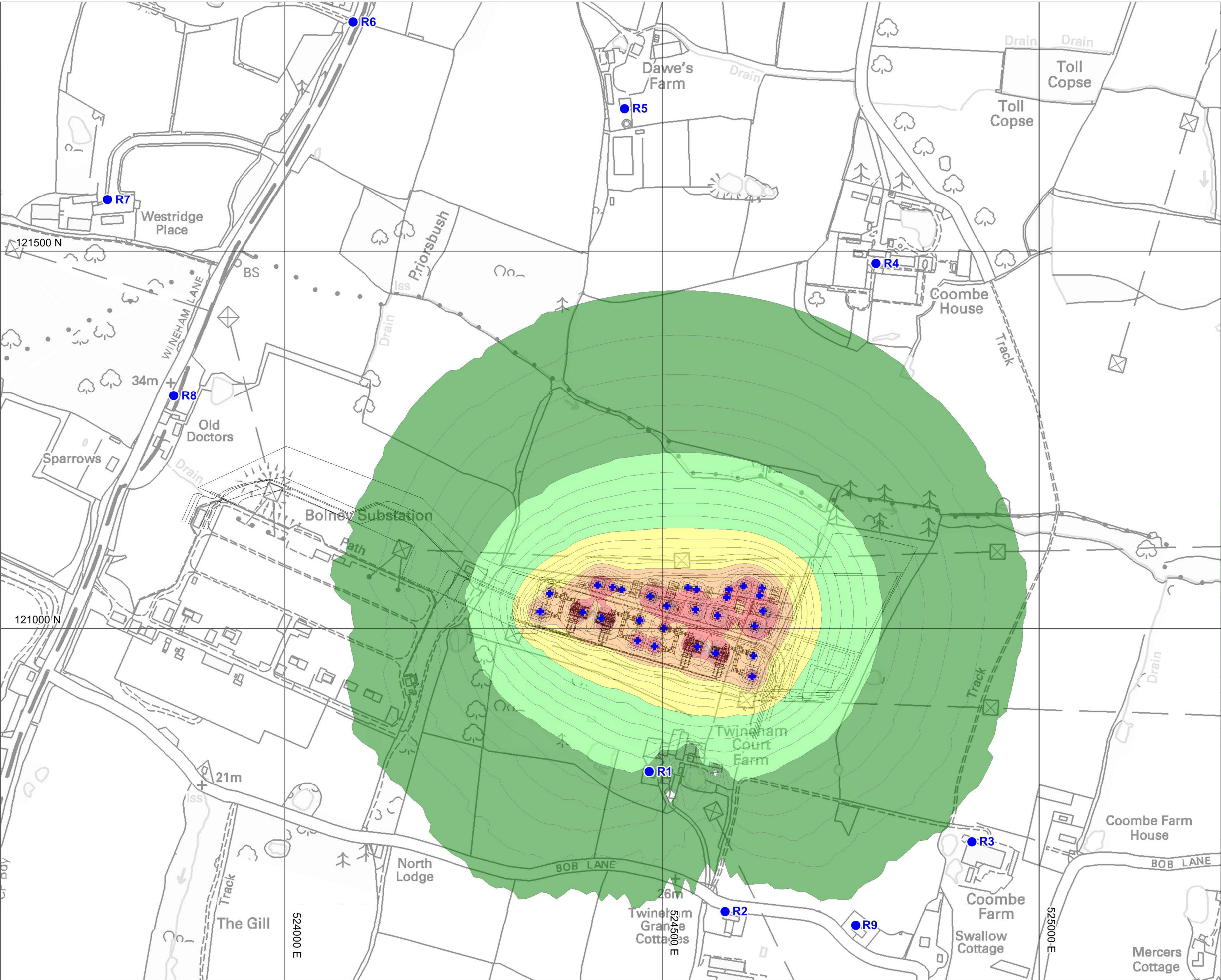
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Title:

Figure 27.5 :
Turbine Layout Option B Noise Levels
at 10m/s

0 2 4
kilometres
Scale = 1:175,000 @ A3

REV 02



Legend

- Noise Sources
- Receptor Locations
- 30-35 dB(A)
- 35-40 dB(A)
- 40-45 dB(A)
- 45-50 dB(A)
- >50 dB(A)

00	13.11.12	Noise Levels	NH	ME	DW
Rev	Date	Description	Drn	Chk	App

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Title:

Figure 27.6: Substation
Rating Noise Levels with Mitigation

Scale = 1:5000 @ A3

REV 00