

Appendix 18.2: Baseline noise and vibration monitoring locations, equipment list and calibration details

Content

- Plan of long term baseline noise, vibration and weather monitoring locations (1 page)
- Images of installed monitoring equipment (2 pages)
- Details of monitoring equipment (1 page)



NOTES:

SUBJECT TO STATUTORY CONSENTS
SUBJECT TO SURVEY
BASED ON OS MAP REPRODUCED BY PERMISSION OF CONTROLLER
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DIMENSIONS TAKE PRECEDENCE AND NOTIFY MICHAEL SPARKS
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LEGEND

POTENTIAL DEVELOPMENT AREA,
BASED ON:
DRAWING IN ACCORDANCE WITH GIS
SHAPEFILE SUBMITTED TO FMS,
DATED: 05/04/15.

Key:
NML - Noise Monitoring Location
WML - Weather Monitoring Location
VML - Vibration Monitoring Location

REV	DATE	NOTE	DRAW	CHK



CHARTERED ARCHITECTS
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TITLE
RAIL CENTRAL
DRAWING
APPENDIX 1 - LOCATION PLAN
INDICATING THE POTENTIAL DEVELOPMENT AREA
CLIENT
ASHFIELD LAND

DATE DEC 2015	SCALE 1:5000@A1	DRAWN PF
STATUS FEASIBILITY		CHECKED MS

DRAWING NUMBER
30708-FE-38

Images of the installed monitoring equipment



NML 1 and WML 1:
Barn Lane, on Lodge Farm



NML 2 and WML 2:
Rectory Farm (Courteenhall Shooting School)



NML 3 and VML 1:
Courteenhall Road, on Courteenhall West Lodge Farm



NML 4:
Courteenhall Road, Blisworth



NML 5:
Northampton Road



NML 6:
Station Road, Blisworth



NML 7:
Arm Farm, Blisworth



NML 8:
Gayton Road, Milton Malsor

Baseline noise and vibration monitoring equipment

The following equipment was used during the measurement survey:

NML 1

- Bruel & Kjaer Type 2250 Light Sound Level Meter s/n 3006951
- Bruel & Kjaer Type 4952 Microphone s/n 2922623

NML 2 and 5

- Bruel & Kjaer Type 2238 Sound Level Meter s/n 2654440
- Bruel & Kjaer Type 4188 Microphone s/n 2658551

NML 3 and 7

- Bruel & Kjaer Type 2238 Sound Level Meter s/n 2774251
- Bruel & Kjaer Type 4188 Microphone s/n 2764264

NML 4 and 8

- Bruel & Kjaer Type 2238 Sound Level Meter s/n 2684500
- Bruel & Kjaer Type 4188 Microphone s/n 2682521

NML 6

- Bruel & Kjaer Type 2238 Sound Level Meter s/n 2654441
- Bruel & Kjaer Type 4188 Microphone s/n 2658552
- Bruel & Kjaer Type 2250 Light Sound Level Meter s/n 3006951
- Bruel & Kjaer Type 4952 Microphone s/n 2922623

WML 1 and 2

- Davis Vantage Pro 2 Weather Station

VML 1

- Svantek Type SVAN 958 Sound & Vibration Meter s/n 15173
- Dytran Tri-axial Accelerometer Type 3233A s/n 646

Before and after the survey, the sound level meters were field-calibrated in accordance with the manufacturer's guidelines, and no significant drift was observed. The meters, microphones, accelerometer and field calibrators are laboratory calibrated biennially in accordance with UKAS procedures or to traceable National Standards.