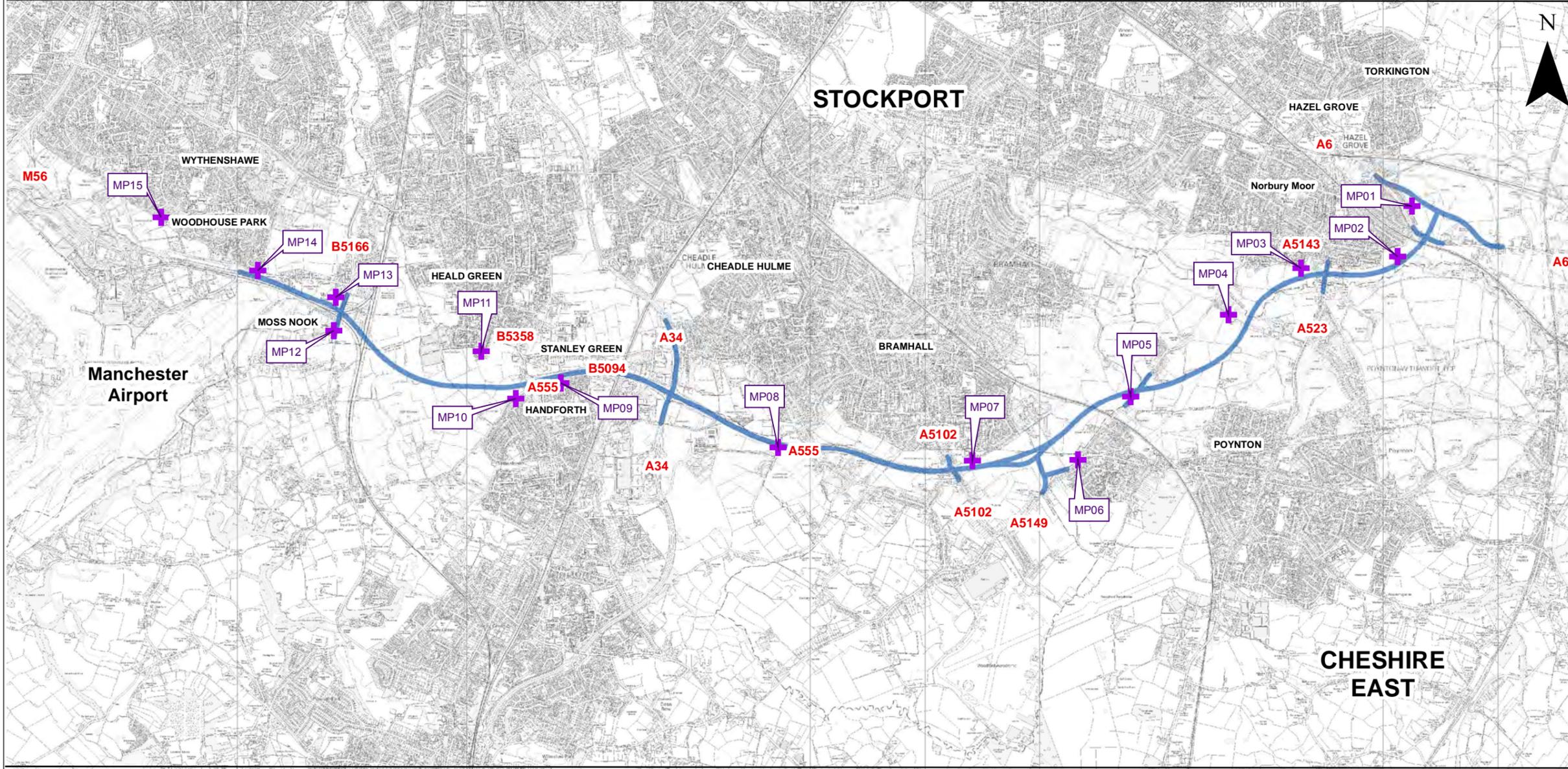


**LEGEND**

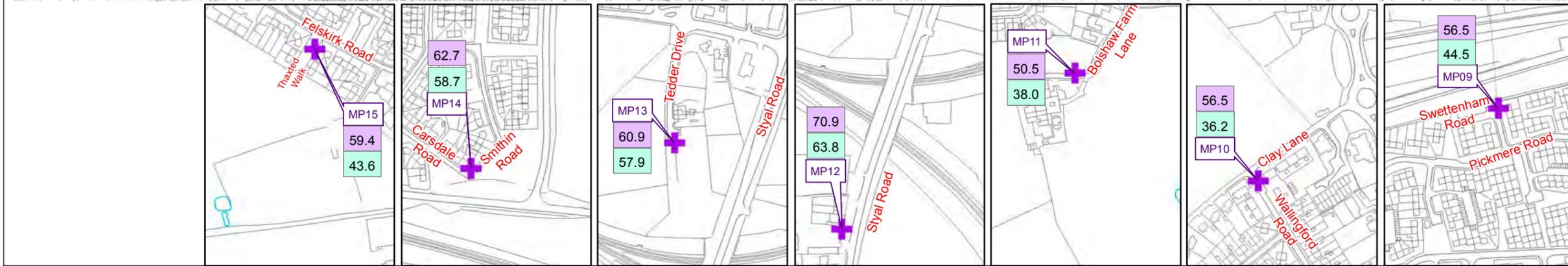
- Proposed Scheme Alignment
- Noise Monitoring Location
- L<sub>A10</sub> (dB) in daytime (3 hour measurement within period 1000 to 1700)
- L<sub>A10</sub> (dB) in night time (30 minute measurement within period 0000 to 0400)



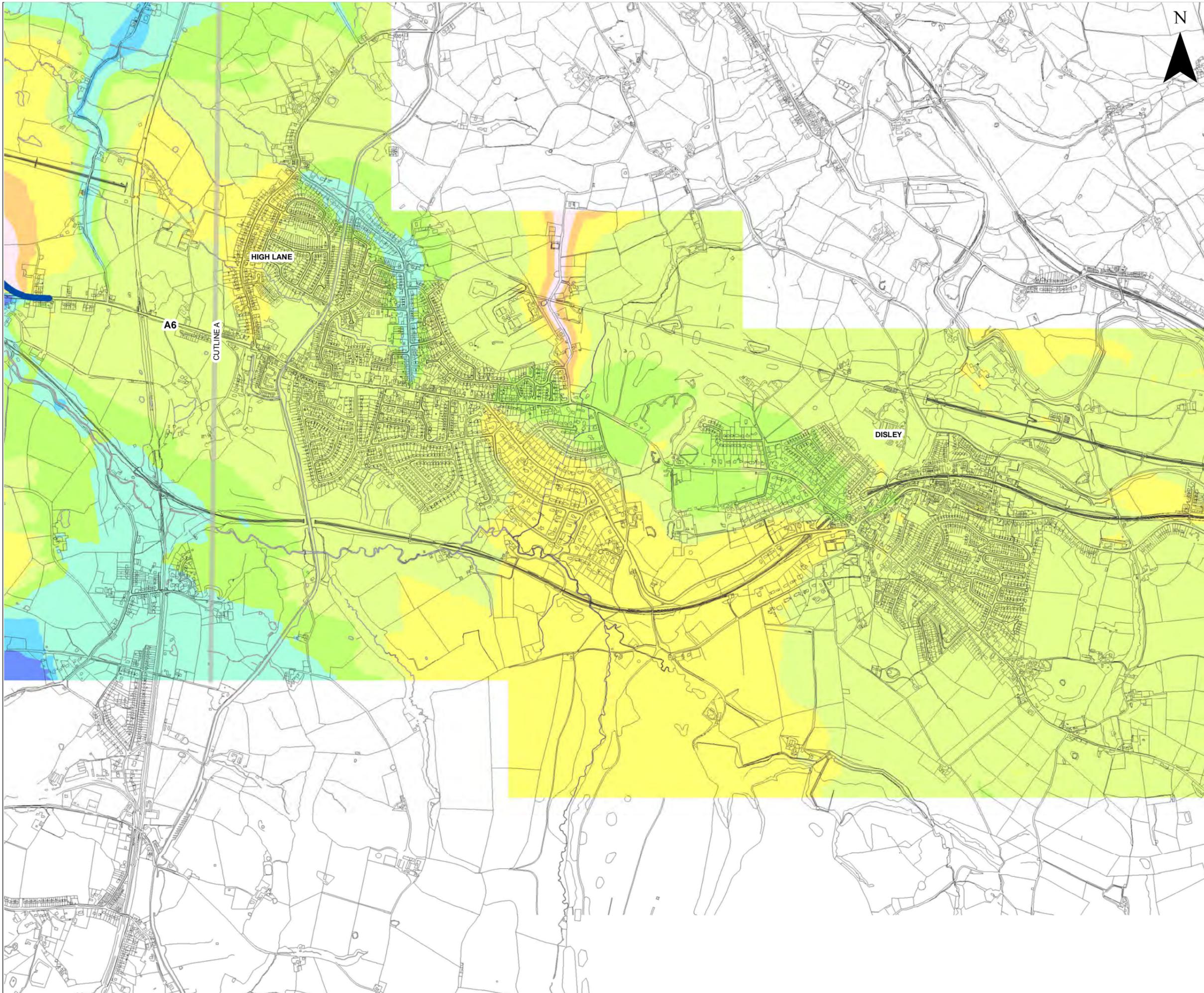
Scale @ A3 1:40,000 Date 25-09-13

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|            |  |
|------------|--|
| Client     | Stockport M.B.C                            |
| Project    | SEMMS A6 to Manchester Airport Relief Road |
| Title      | NOISE MONITORING LOCATIONS                 |
| Figure No. | FIGURE 13.1                                |



**LEGEND**

 Scheme

Difference in calculated L10 (18hour) Noise Levels between 2017 Do Something and 2017 Do Minimum Scenarios (Immediate Impact)

Noise Level Difference (dB)

|   |           |   |           |
|---|-----------|---|-----------|
|  | +5.0      | - | and above |
|  | +3.0      | - | +5.0      |
|  | +1.0      | - | +3.0      |
|  | 0         | - | +1.0      |
|  | -1.0      | - | 0         |
|  | -3.0      | - | -1.0      |
|  | -5.0      | - | -3.0      |
|  | and below | - | -5.0      |



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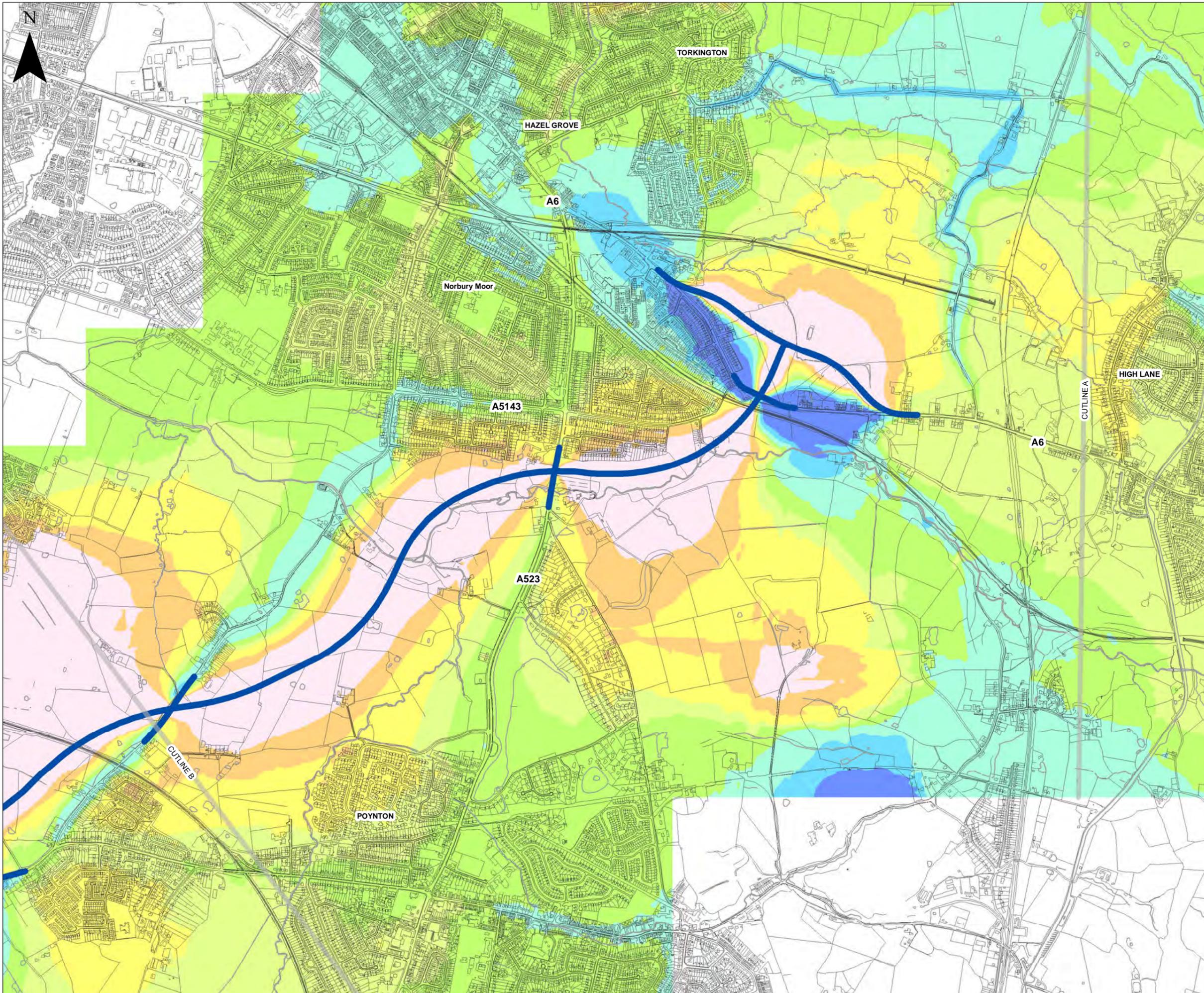


Client **Stockport M.B.C**

Project **SEMMMS A6 to Manchester Airport Relief Road**

Title **OPENING YEAR NOISE LEVEL DIFFERENCE CONTOURS**

Figure No. **FIGURE 13.2**



**LEGEND**

- Scheme
- Difference in calculated L10 (18hour) Noise Levels between 2017 Do Something and 2017 Do Minimum Scenarios (Immediate Impact)
- Noise Level Difference (dB)

|  |           |   |           |
|--|-----------|---|-----------|
|  | +5.0      | - | and above |
|  | +3.0      | - | +5.0      |
|  | +1.0      | - | +3.0      |
|  | 0         | - | +1.0      |
|  | -1.0      | - | 0         |
|  | -3.0      | - | -1.0      |
|  | -5.0      | - | -3.0      |
|  | and below | - | -5.0      |




Scale @ A3 1:15,000 Date 25-09-13

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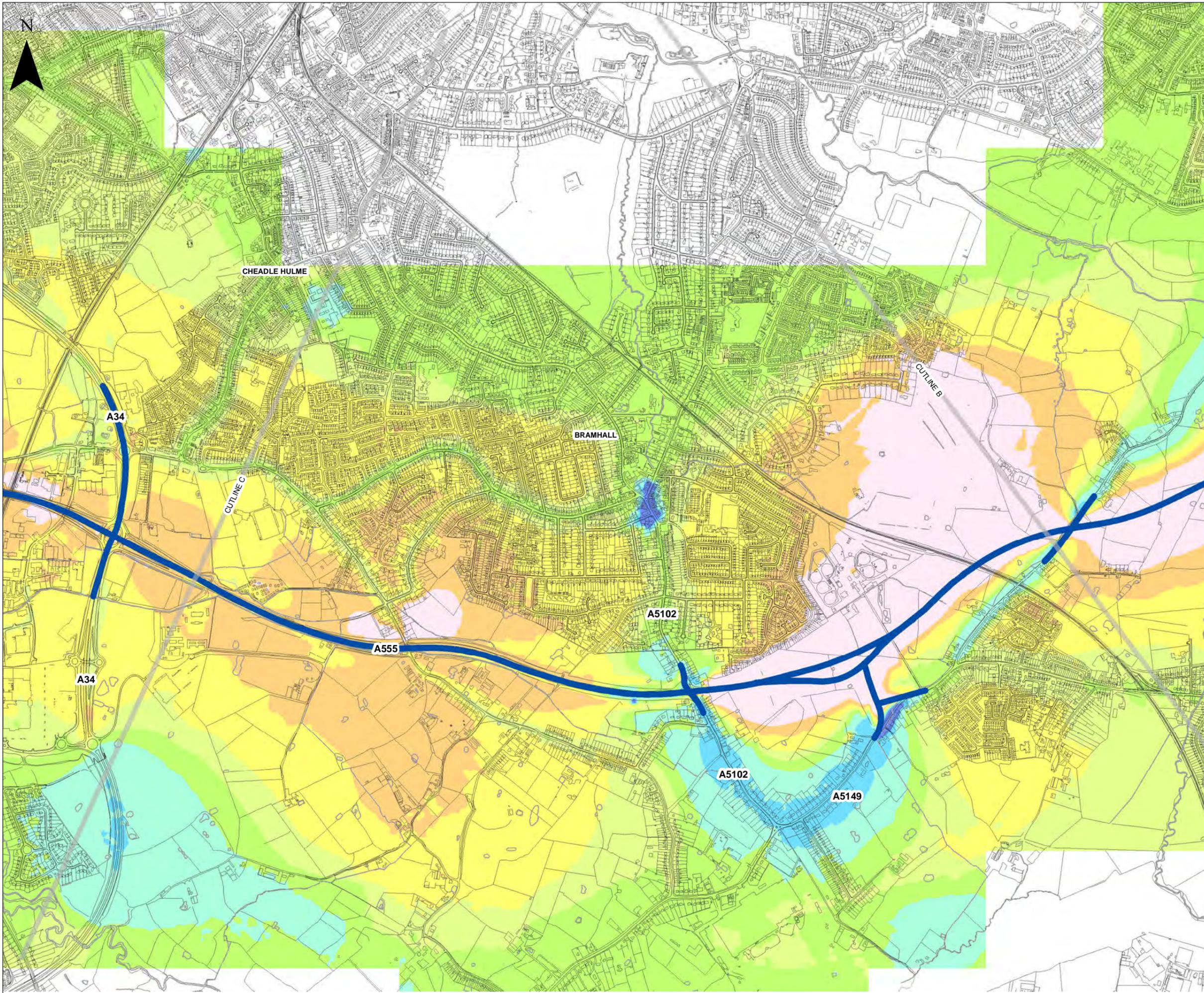


Client **Stockport M.B.C**

Project **SEMMMS A6 to Manchester Airport Relief Road**

Title **OPENING YEAR NOISE LEVEL DIFFERENCE CONTOURS**

Figure No. **FIGURE 13.3**



**LEGEND**

Scheme

Difference in calculated L10 (18hour) Noise Levels between 2017 Do Something and 2017 Do Minimum Scenarios (Immediate Impact)

Noise Level Difference (dB)

- +5.0 - and above
- +3.0 - +5.0
- +1.0 - +3.0
- 0 - +1.0
- 1.0 - 0
- 3.0 - -1.0
- 5.0 - -3.0
- and below -5.0



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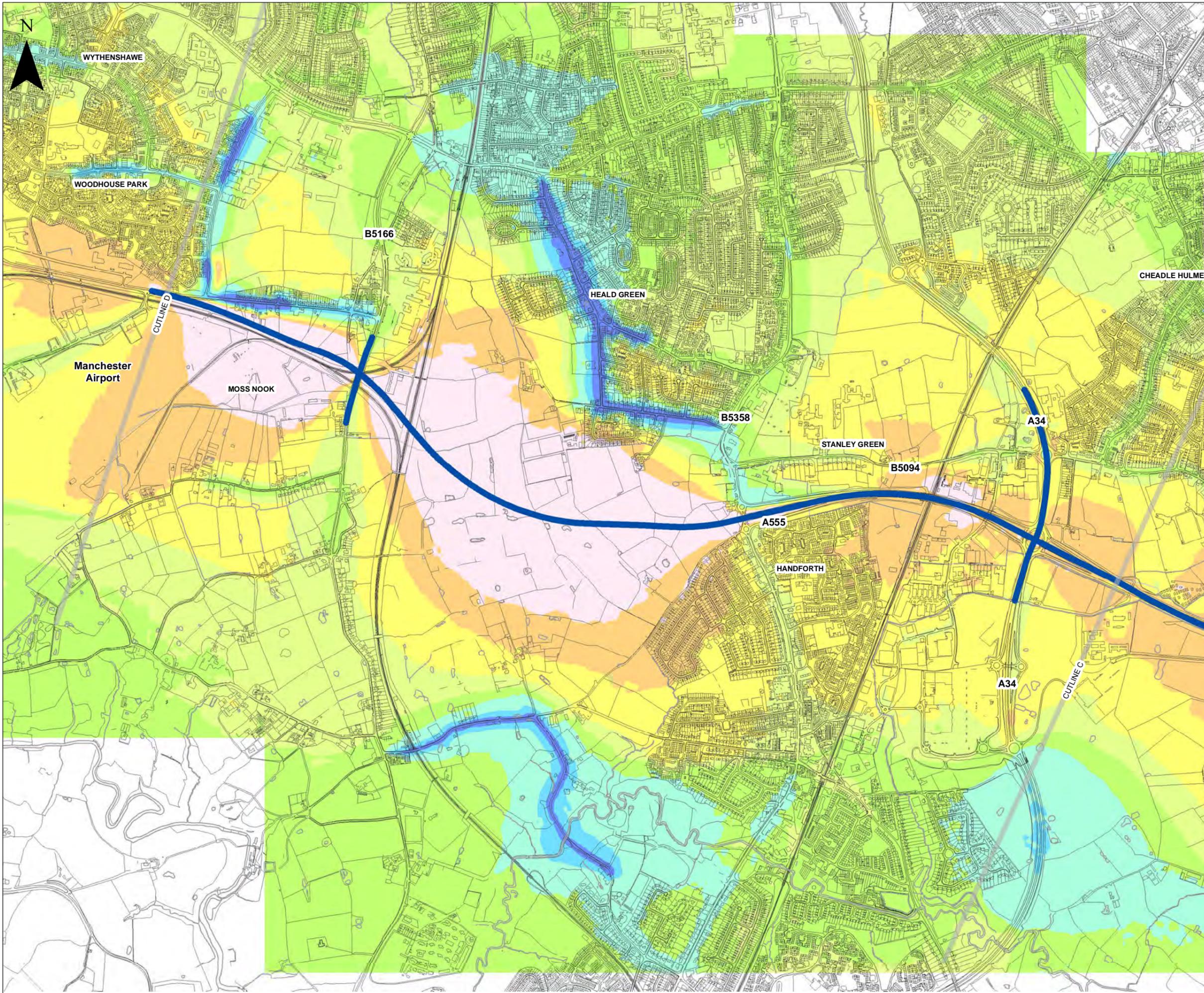


**Client** Stockport M.B.C

**Project** SEMMMS A6 to Manchester Airport Relief Road

**Title** OPENING YEAR NOISE LEVEL DIFFERENCE CONTOURS

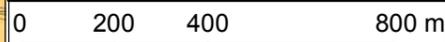
**Figure No.** FIGURE 13.4



**LEGEND**

- Scheme
  
- Difference in calculated L10 (18hour) Noise Levels between 2017 Do Something and 2017 Do Minimum Scenarios (Immediate Impact)
  
- Noise Level Difference (dB)
  

|   |           |   |           |
|---|-----------|---|-----------|
| <span style="display: inline-block; width: 15px; height: 10px; background-color: pink; border: 1px solid black; margin-right: 5px;"></span>       | +5.0      | - | and above |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: orange; border: 1px solid black; margin-right: 5px;"></span>     | +3.0      | - | +5.0      |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span>     | +1.0      | - | +3.0      |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: lightgreen; border: 1px solid black; margin-right: 5px;"></span> | 0         | - | +1.0      |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: green; border: 1px solid black; margin-right: 5px;"></span>      | -1.0      | - | 0         |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: cyan; border: 1px solid black; margin-right: 5px;"></span>       | -3.0      | - | -1.0      |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: lightblue; border: 1px solid black; margin-right: 5px;"></span>  | -5.0      | - | -3.0      |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: darkblue; border: 1px solid black; margin-right: 5px;"></span>   | and below | - | -5.0      |

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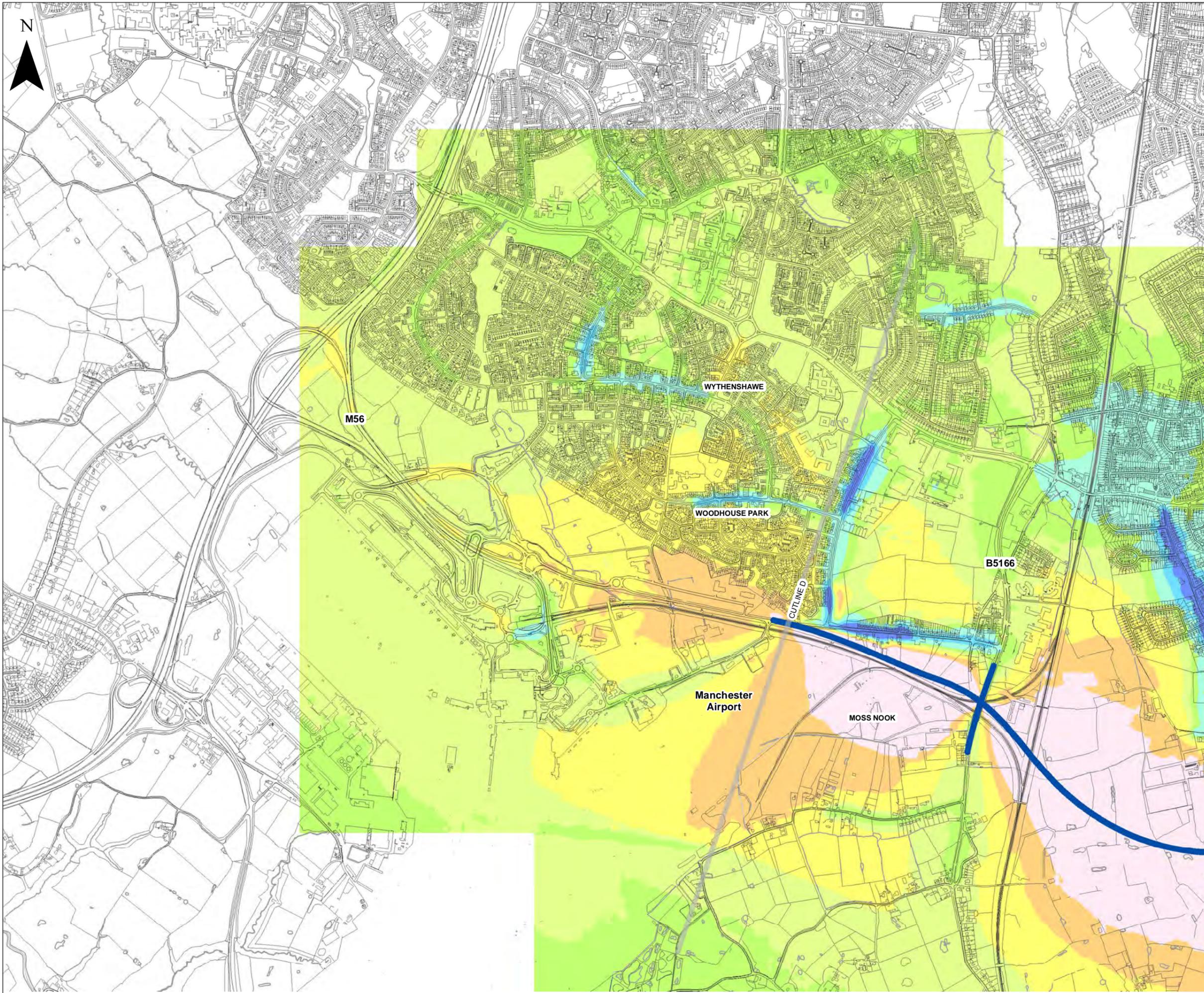


Client **Stockport M.B.C**

Project **SEMMMS A6 to Manchester Airport Relief Road**

Title **OPENING YEAR NOISE LEVEL DIFFERENCE CONTOURS**

Figure No. **FIGURE 13.5**



**LEGEND**

Scheme

Difference in calculated L10 (18hour) Noise Levels between 2017 Do Something and 2017 Do Minimum Scenarios (Immediate Impact)

Noise Level Difference (dB)

|  |           |   |           |
|--|-----------|---|-----------|
|  | +5.0      | - | and above |
|  | +3.0      | - | +5.0      |
|  | +1.0      | - | +3.0      |
|  | 0         | - | +1.0      |
|  | -1.0      | - | 0         |
|  | -3.0      | - | -1.0      |
|  | -5.0      | - | -3.0      |
|  | and below | - | -5.0      |



Scale @ A3 1:15,000 Date 25-09-13

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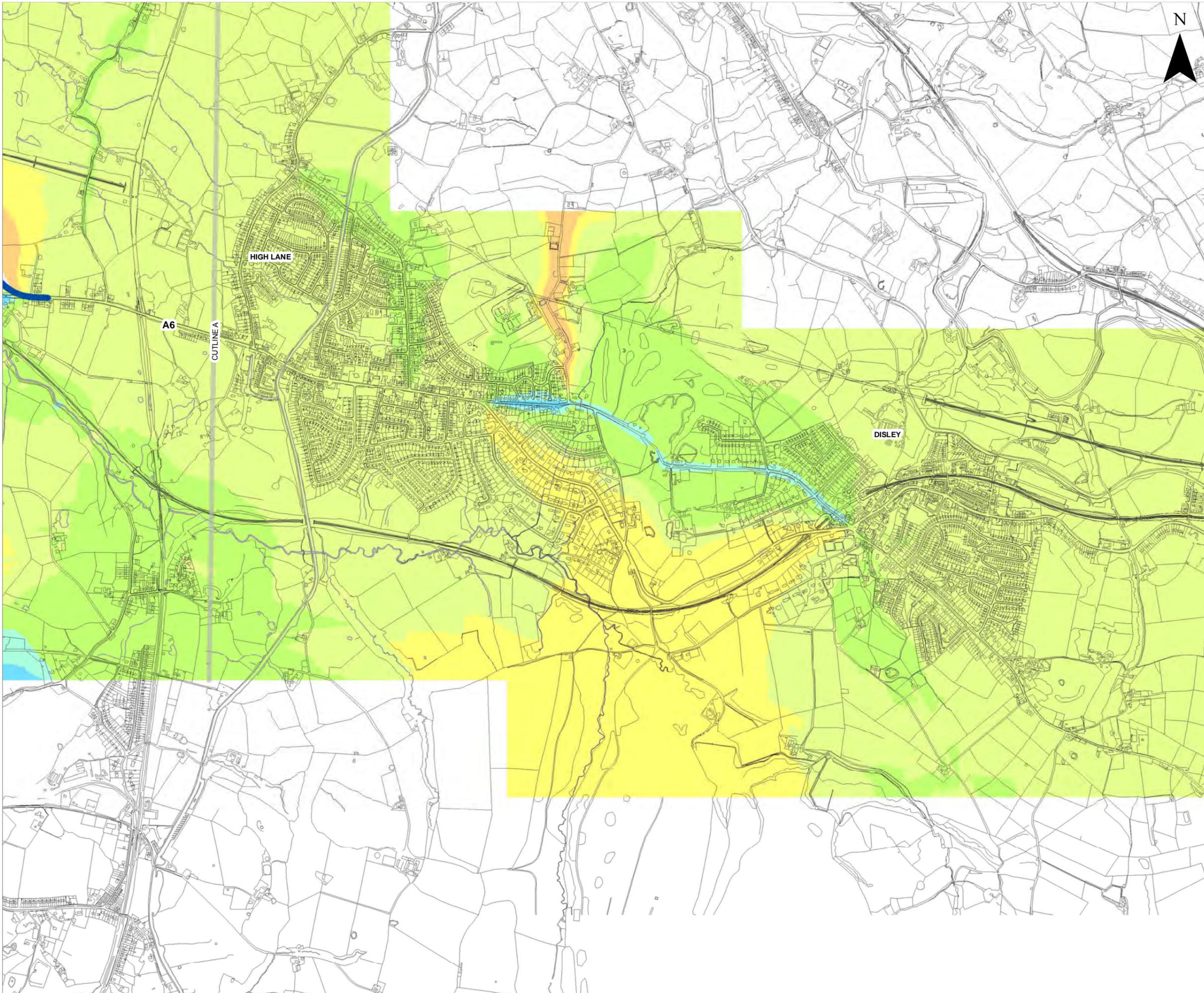


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Project **SEMMMS A6 to Manchester Airport Relief Road**

Title **OPENING YEAR NOISE LEVEL DIFFERENCE CONTOURS**

Figure No. **FIGURE 13.6**



**LEGEND**

Scheme

Difference in calculated L10 (18hour) Noise Levels between 2032 Do Something and 2017 Do Minimum Scenarios (+15 year Change)

Noise Level Difference (dB)

- +10.0 - and above
- +5.0 - +10.0
- +3.0 - +5.0
- 0 - +3.0
- 3.0 - 0
- 5.0 - -3.0
- 10.0 - -5.0
- and below - -10.0



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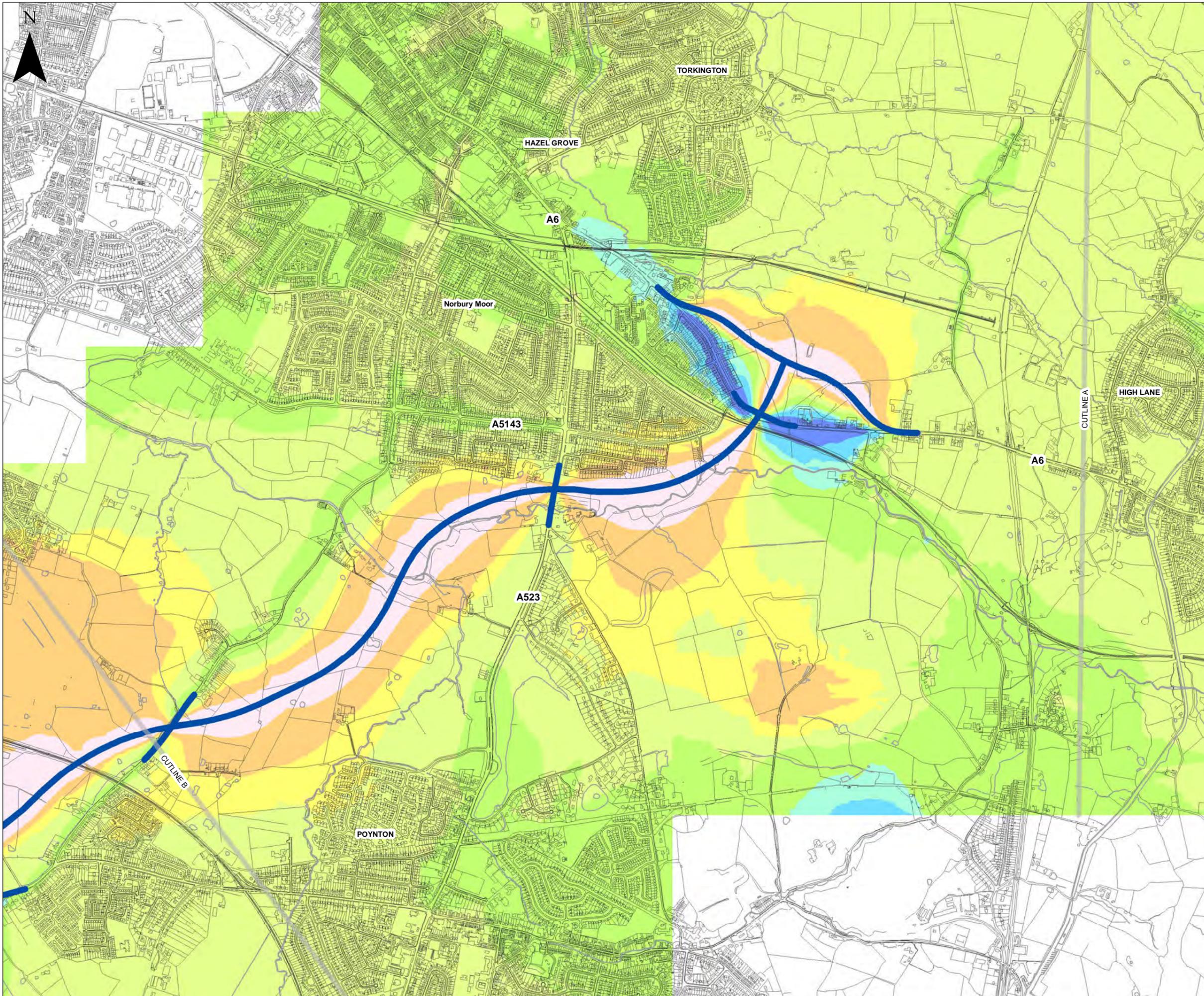


**Client** Stockport M.B.C

**Project** SEMMMS A6 to Manchester Airport Relief Road

**Title** LONG TERM NOISE LEVEL DIFFERENCE CONTOURS

**Figure No.** FIGURE 13.7



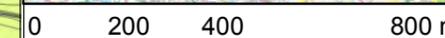
**LEGEND**

Scheme

Difference in calculated L10 (18hour) Noise Levels between 2032 Do Something and 2017 Do Minimum Scenarios (+15 year Change)

Noise Level Difference (dB)

|  |           |   |           |
|--|-----------|---|-----------|
|  | +10.0     | - | and above |
|  | +5.0      | - | +10.0     |
|  | +3.0      | - | +5.0      |
|  | 0         | - | +3.0      |
|  | -3.0      | - | 0         |
|  | -5.0      | - | -3.0      |
|  | -10.0     | - | -5.0      |
|  | and below | - | -10.0     |



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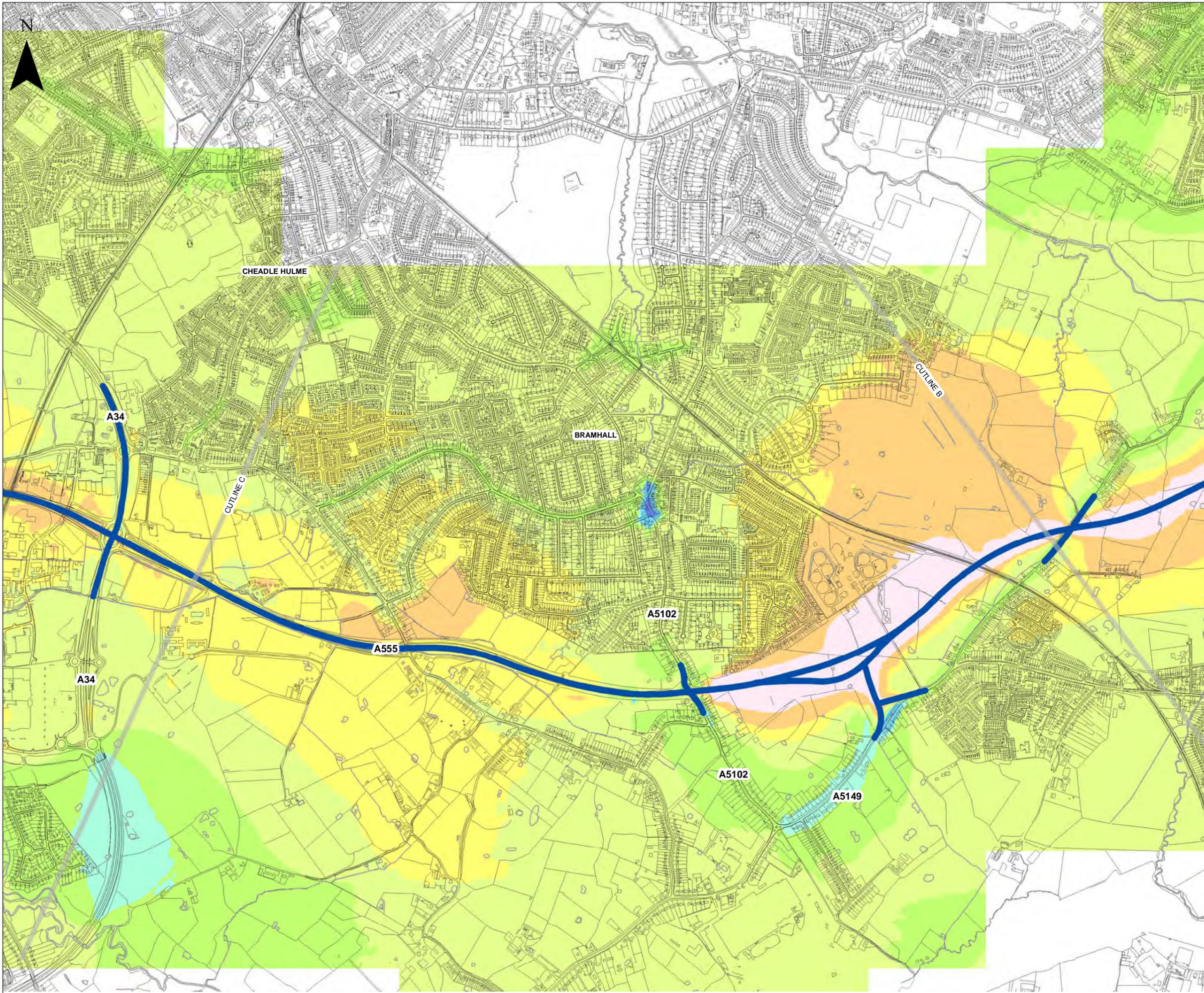


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Project **SEMMMS A6 to Manchester Airport Relief Road**

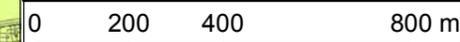
Title **LONG TERM NOISE LEVEL DIFFERENCE CONTOURS**

Figure No. **FIGURE 13.8**



**LEGEND**

- █ Scheme
- Difference in calculated L10 (18hour) Noise Levels between 2032 Do Something and 2017 Do Minimum Scenarios (+15 year Change)
- Noise Level Difference (dB)
- █ +10.0 - and above
- █ +5.0 - +10.0
- █ +3.0 - +5.0
- █ 0 - +3.0
- █ -3.0 - 0
- █ -5.0 - -3.0
- █ -10.0 - -5.0
- █ and below - -10.0



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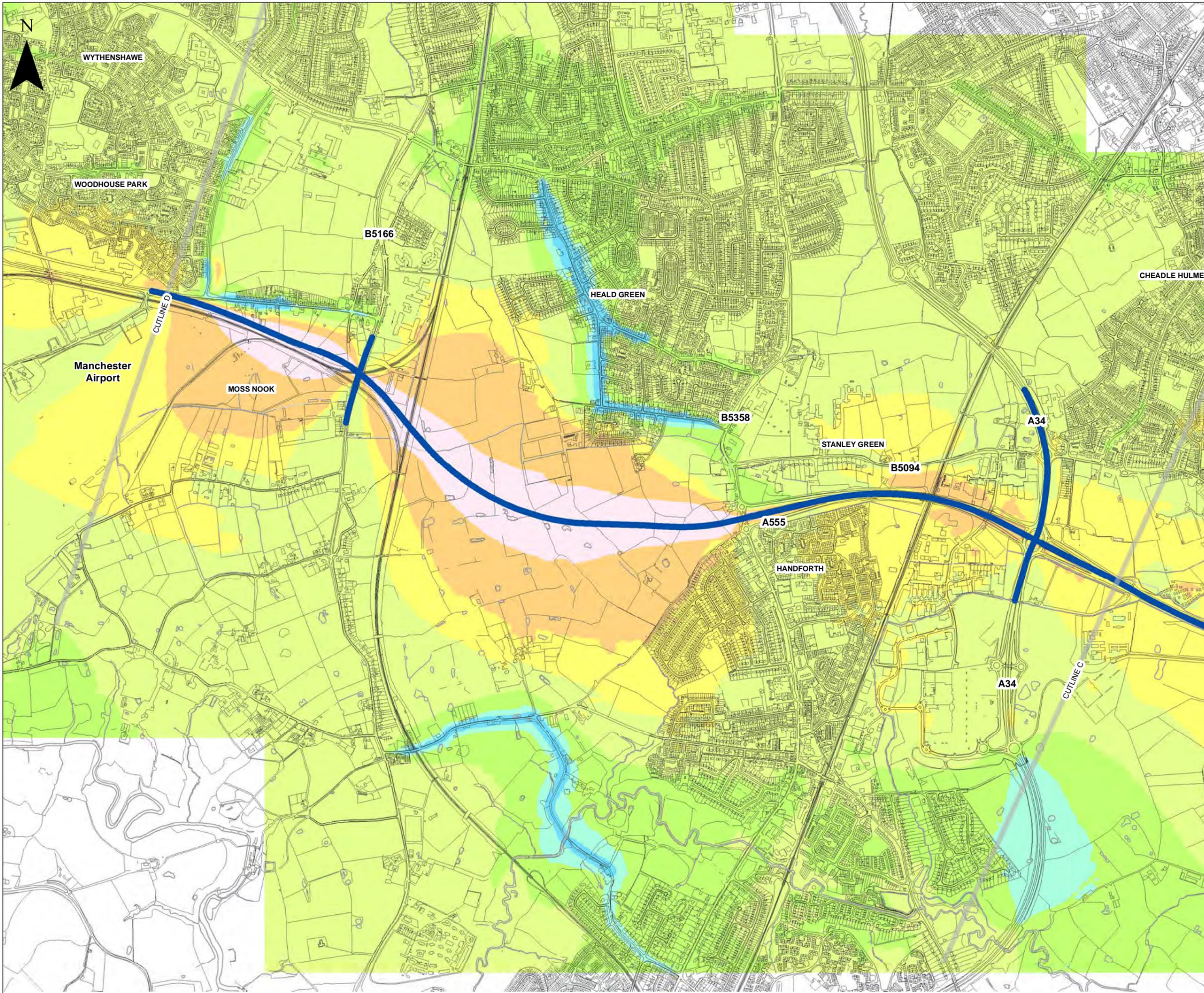


Client **Stockport M.B.C**

Project **SEMMMS A6 to Manchester Airport Relief Road**

Title **LONG TERM NOISE LEVEL DIFFERENCE CONTOURS**

Figure No. **FIGURE 13.9**



**LEGEND**

-  Scheme
- Difference in calculated L10 (18hour) Noise Levels between 2032 Do Something and 2017 Do Minimum Scenarios (+15 year Change)
- Noise Level Difference (dB)
-  +10.0 - and above
-  +5.0 - +10.0
-  +3.0 - +5.0
-  0 - +3.0
-  -3.0 - 0
-  -5.0 - -3.0
-  -10.0 - -5.0
-  and below - -10.0



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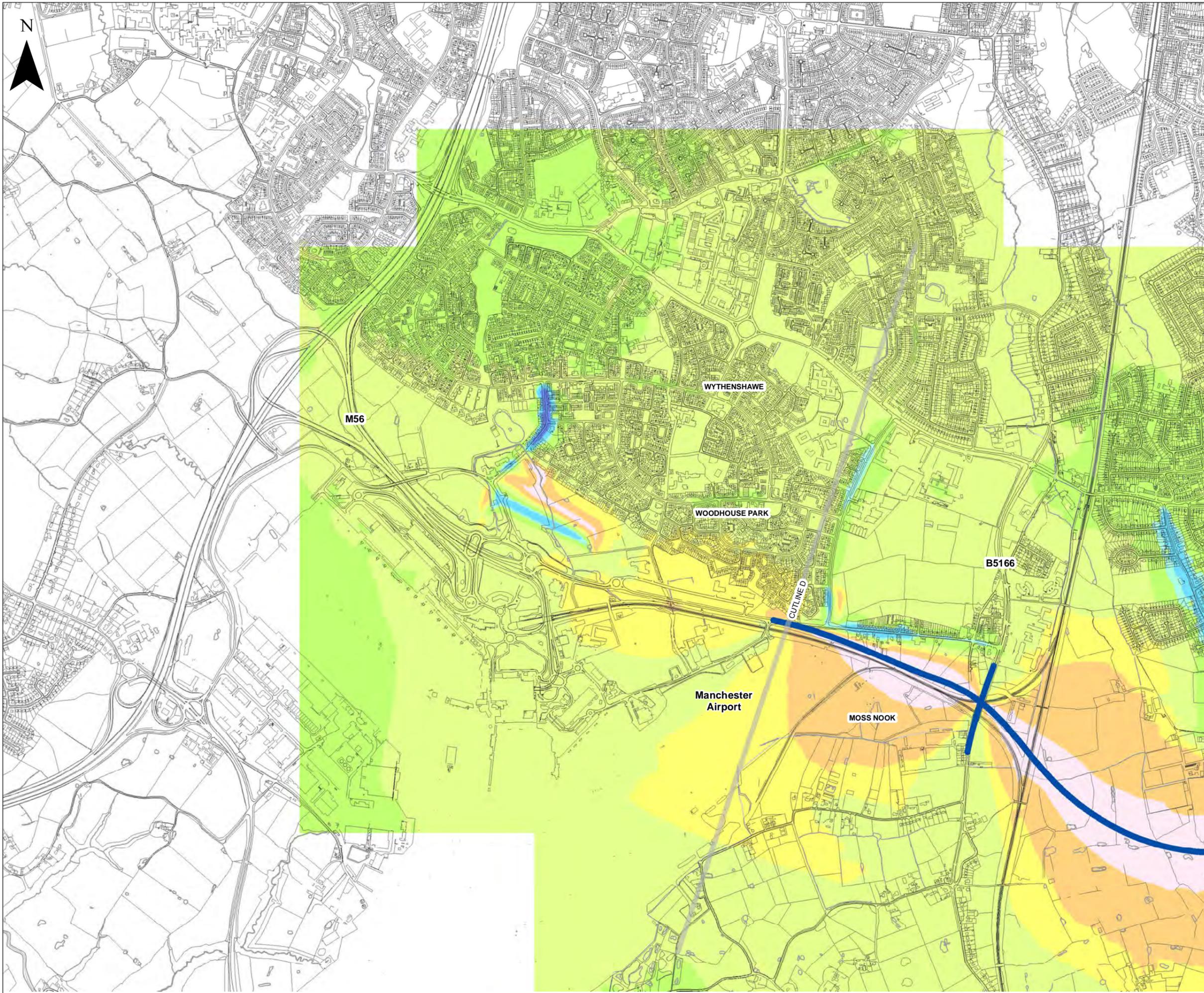


Client **Stockport M.B.C**

Project **SEMMMS A6 to Manchester Airport Relief Road**

Title **LONG TERM NOISE LEVEL DIFFERENCE CONTOURS**

Figure No. **FIGURE 13.10**



**LEGEND**

-  Scheme
- Difference in calculated L10 (18hour) Noise Levels between 2032 Do Something and 2017 Do Minimum Scenarios (+15 year Change)
- Noise Level Difference (dB)
-  +10.0 - and above
-  +5.0 - +10.0
-  +3.0 - +5.0
-  0 - +3.0
-  -3.0 - 0
-  -5.0 - -3.0
-  -10.0 - -5.0
-  and below - -10.0



Scale @ A3 1:15,000 Date 25-09-13

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Title **LONG TERM NOISE LEVEL DIFFERENCE CONTOURS**

Figure No. **FIGURE 13.11**