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|-----|------------------------------|-----|----------|
| C3  | FINAL ISSUE - AS CONSTRUCTED | PAB | 23.10.25 |
| C2  | SITE PLAN UPDATED            | JR  | 29.05.25 |
| C1  | CONSTRUCTION ISSUE           | JR  | 04.03.25 |
| ref | revision                     | by  | date     |

**B G**  
**& H**

**Architects  
Consulting Engineers  
Quantity Surveyors**

21 Silverwell Street  
Bolton  
BL1 1PR  
t: 01204 525321  
email@bghbolton.co.uk  
www.bghbolton.co.uk

## Bradshaw Gass & Hope LLP

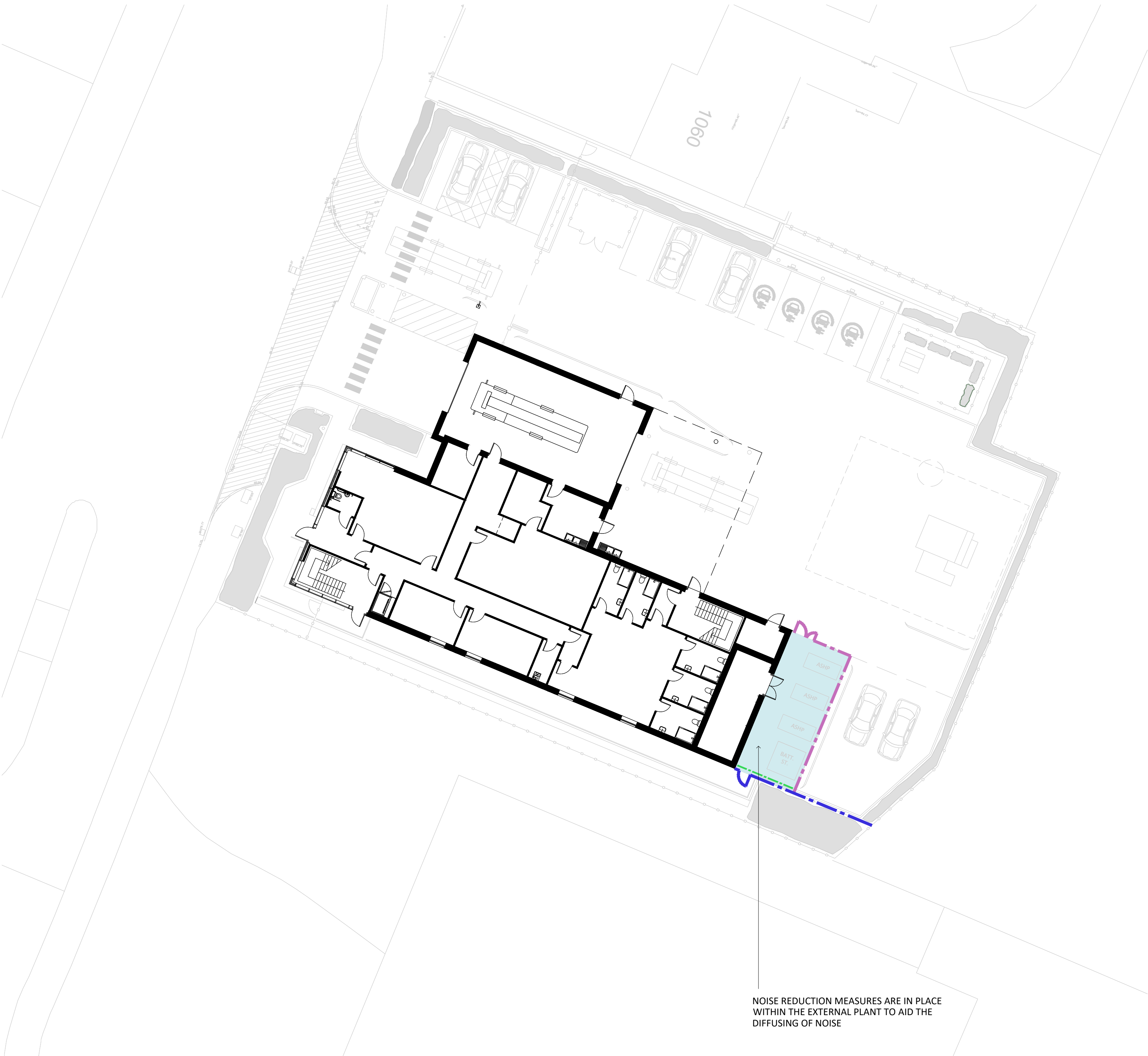
client  
ROBERTSON CONSTRUCTION LTD

project  
BLACKLEY FIRE STATION

drawing  
BREEAM Hea 07 - NOISE  
REDUCTION MEASURES

|            |       |      |            |
|------------|-------|------|------------|
| drawn by   | LC    | date | MARCH 2025 |
| checked by |       | date |            |
| scale      | 1:200 |      | A1         |

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|--------------------------------|-----------|
| dwg no                         | rev       |
| <b>BFS-BGH-XX-XX-DR-A-0251</b> | <b>C3</b> |



## Hea 07 - EXTERNAL NOISE REDUCTION MEASURES IN PLACE

NOISE REDUCTION MEASURES ARE IN PLACE AROUND THE EXTERNAL PLANT AREA.

A TIMBER HIT N MISS FENCE HAS BEEN SPECIFIED TO HELP REDUCE NOISE BY CREATING AN UNEVEN SURFACE THAT DIFFUSES SOUND WAVES, DISRUPTING THEIR DIRECT PATH REDUCING THE TRANSMISSION OF NOISE.

AN ACOUSTIC FENCING MEMBRANE WILL BE APPLIED TO THE WELDED MESH FENCING THAT FALLS WITHIN THE PLANT ENCLOSURE

**FENCE SPECIFICATION:**

**FENCE TYPE 2 - HIT N MISS TIMBER SCREENING FENCE - 2.1M HIGH**

100MM X 100MM TREATED TIMBER FENCE POSTS  
100MM X 47MM TREATED TIMBER HORIZONTAL RAILS (4No.)  
144MM X 19MM TREATED TIMBER FENCE BOARDS IN HIT'N' MISS ARRANGEMENT  
125MM X 35MM TREATED TIMBER CAPPING WITH CHAMFERED ARRISES  
POSTS ARE TO BE SET INTO CONCRETE SURROUND MIN. 800MM DP

**FENCE TYPE 3 - WELDED MESH SECURITY FENCE - 2.4M HIGH**

CLD ECLIPSE COLOUR COATED PROFILED RIGID WELDED MESH FENCE PANEL  
SYSTEM TO BS 1722-14:2017, BS EN ISO 1461:2009 & BS EN 13438:2013  
COLOUR - BLACK  
POSTS ARE TO BE SET INTO CONCRETE SURROUND MIN. 800MM DP

**ACOUSTIC FENCING MEMBRANE (ROLL WIDTH 1.82m x ROLL LENGTH 9.14m)**  
**PRODUCT: ACOUSTIFENCE NOISE BARRIER FENCING MEMBRANE**  
**(OR EQUALLY APPROVED)**  
**MEMBRANE SECURED TO WELDED MESH GATE AND FENCING**

