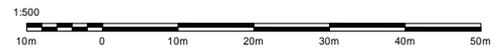




 - SITE BOUNDARY



MANSION HOUSE GROUP

8-10 Old Market Place, Altrincham, Cheshire, WA14 4DF
Tel: 0161 929 7662

Mansion House Group Ltd. Reg. No. 09888633 Mansion House Project Management Ltd. Reg. No. 10504561 England

Project
Carrs Road, Cheadle, SK8 2LA

Client Mansion House Project Management Limited
Drawing Title Location Plan

Drawing No. MHG-252-001 Revision D

Scale 1:500 @ A2

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MANSION HOUSE GROUP

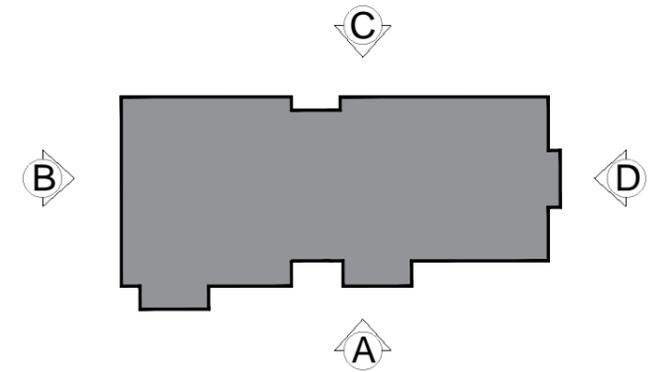
8-10 Old Market Place, Altrincham, Cheshire, WA14 4DF

Tel: 0161 929 7662

Mansion House Group Ltd. Reg. No. 09888633 Mansion House Project Management

Ltd. Reg. No. 10504561 England

Mansion House
PROJECT MANAGEMENT

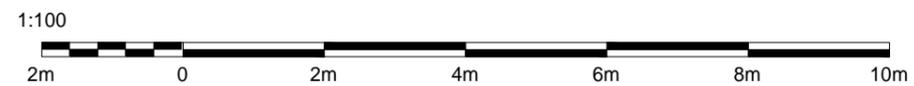


GROUND FLOOR EXTERNAL DOORS AND WINDOWS
TO BE WATER RESISTANT

ELEVATION A



ELEVATION C



Project

Carrs Road, Cheadle, SK8 2LA

Client Mansion House Project Management Limited

Drawing Title Proposed Elevations A/C

Drawing No. MHG-252-002 Revision C

Scale 1:100 @ A1

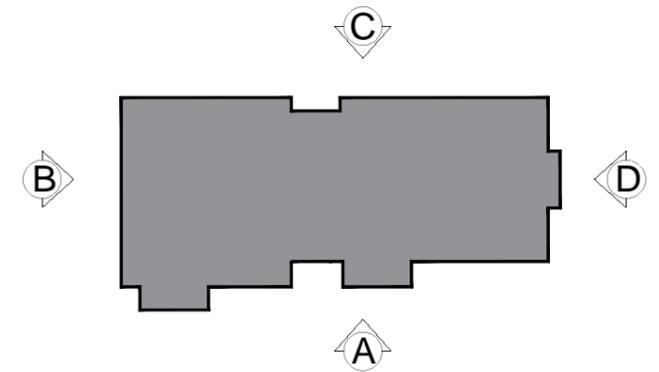
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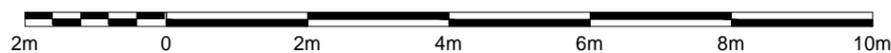
ELEVATION D



ELEVATION B



1:100



Project

Carrs Road, Cheadle, SK8 2LA

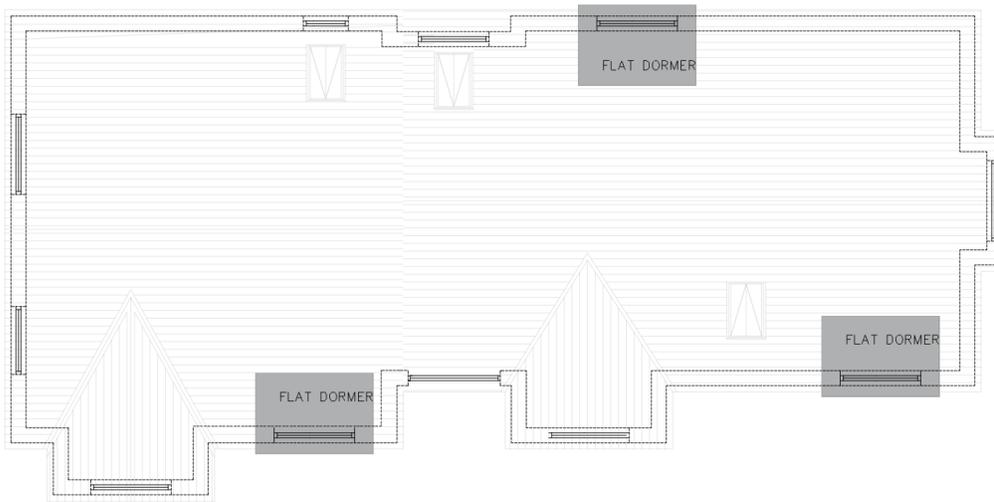
Client Mansion House Project Management Limited

Drawing Title Proposed Elevations B/D

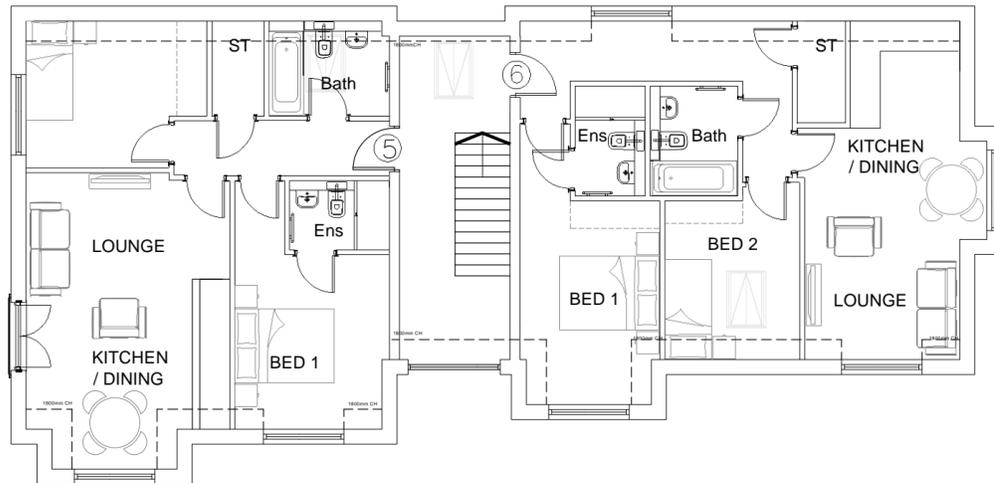
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Scale 1:100 @ A1

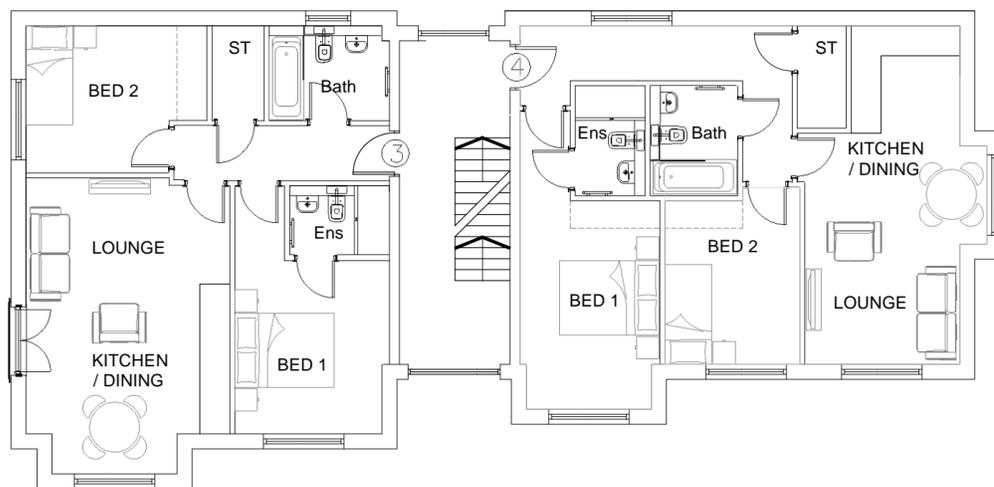
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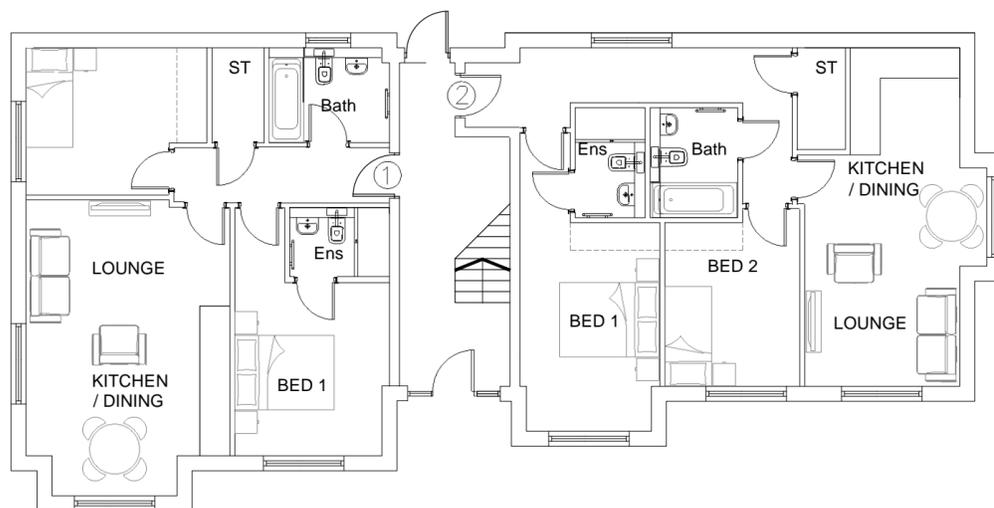
ROOF PLAN



SECOND FLOOR

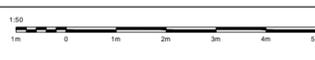
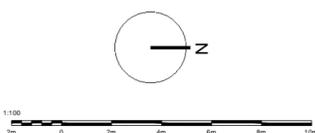


FIRST FLOOR



GROUND FLOOR





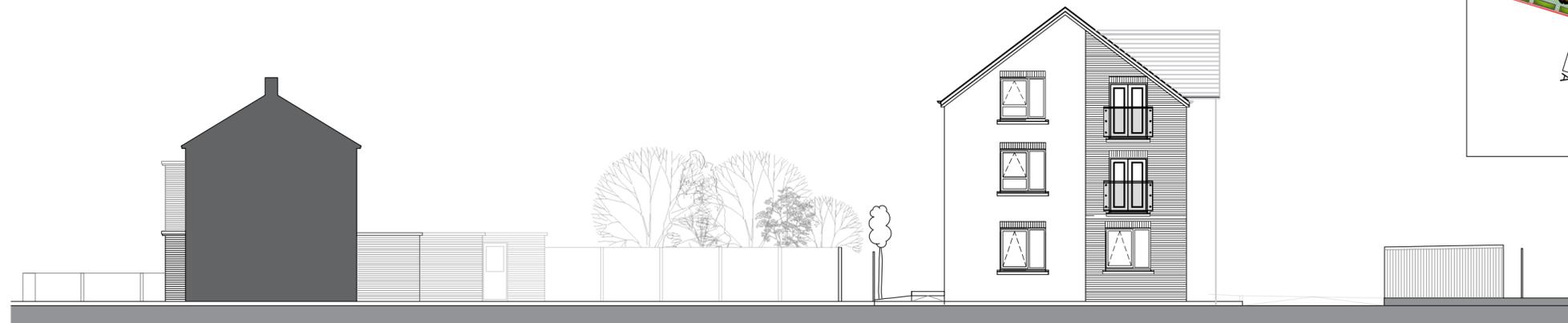
SIGNAGE TO NOTIFY DRIVERS OF FLOOD SUSCEPTIBILITY TO BE INSTALLED IN ENTRANCE AREA

- SITE BOUNDARY



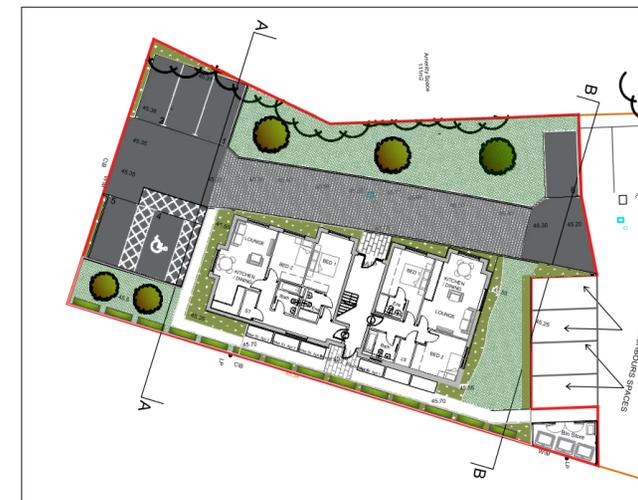
MANSION HOUSE GROUP
 8-10 Old Market Place, Altrincham, Cheshire, WA14 4DF
 Tel: 0161 929 7662
 Mansion House Group Ltd. Reg. No. 09888633 Mansion House Project Management Ltd. Reg. No. 10504561 England

Project
Carrs Road, Cheadle, SK8 2LA
 Client Mansion House Project Management Limited
 Drawing Title Proposed Site Plan
 Drawing No. MHG-252-006 Revision E
 Scale 1:100/1:50 @ A0
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18 BANGOR RD

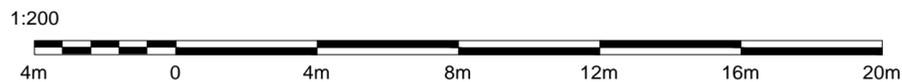
SECTION B



BUCKLEY HOUSE

24-26 BANGOR RD

SECTION A



Mansion House
PROJECT MANAGEMENT

MANSION HOUSE GROUP

8-10 Old Market Place, Altrincham, Cheshire, WA14 4DF
Tel: 0161 929 7662

Mansion House Group Ltd. Reg. No. 09888633 Mansion House Project Management
Ltd. Reg. No. 10504561 England

Project
Carrs Road, Cheadle, SK8 2LA

Client Mansion House Project Management Limited

Drawing Title Proposed Site Sections

Drawing No. MHG-252-007 Revision D

Scale 1:200 @ A1

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1% Event Compensatory Storage Design.

The proposed compensatory storage is based on parameters set out in the FRA Addendum and remains subject to detailed design.

To achieve the required storage volume, tank dimensions of 13.0 m x 5.8 m x 0.9m depth have been proposed with an Invert Level 43.90 mAOD and Cover Level 44.80 mAOD. 0.5m minimum cover is provided based on minimum levels in the car parking area of 45.30 mAOD.

At detailed design there may be a requirement for a cover slab due to the reduced level of cover.

Adjacent to the car parking area the bed level of the culverted watercourse is 43.50 mAOD with normal water level at 43.81 mAOD (from the site survey included in the 2021 FRA). Connection to the culverted watercourse is assumed to be at normal water level 43.81 mAOD.

A flapped outfall is proposed to prevent surcharging. An Environmental Permit will be obtained for connection to the watercourse.

The tank is to be filled by gullies around parking bays (or slot drain) so that surface water does not routinely enter the tank, and the tank can only fill during the design 1% event (level of 45.37 mAOD - Table 1 of the FRA Addendum).

Given that the lowest ground level in the car park is 45.30mAOD we propose gully level of 45.34mAOD to 45.37mAOD (40mm higher than surrounding levels).

Maintenance

Proposed maintenance tasks for the compensatory storage tank area as follows. It is noted that the tank should only operate under a fluvial flood event and inspection frequency will be mitigated by the frequency of fluvial inundation.

If there is a fluvial flooding incident then the tank will need to be inspected, cleaned of debris, and jetted.

Maintenance schedule	Required action	Typical frequency
Regular maintenance	Inspect and identify any areas that are not operating correctly. If required, take remedial action	Monthly for 3 months, then annually
	Remove debris from the catchment surface (where it may cause risks to performance)	Monthly or as required following fluvial flood events
	Remove sediment from pre-treatment structures and/or internal forebays	Annually, or as required following fluvial flood events
Remedial actions	Repair/rehabilitate inlets, outlet overflows and vents	As required
Monitoring	Inspect/check all inlets, outlets, vents and overflows to ensure that they are in good condition and operating as designed	Annually, or as required following fluvial flood events
	Survey inside of tank for sediment build-up and remove if necessary	Every 5 years or as required following fluvial flood events



