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1 Laurel Cottages, Garth, Glyn Ceiriog

Retaining Wall

STRUCTURAL SKETCHES

September 2024

Job No. 2024/207

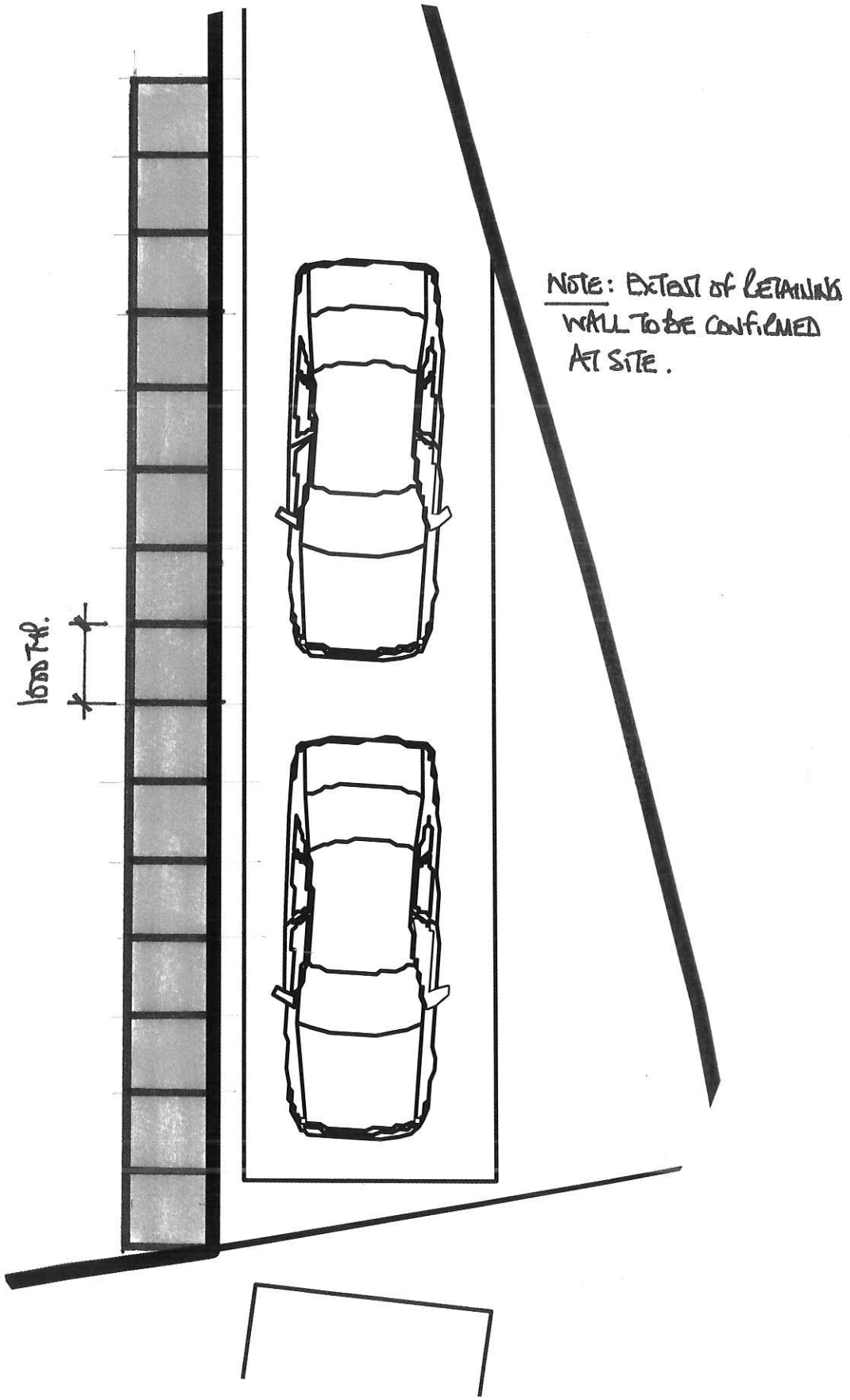
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PAGE No.	SK01

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	Initials	Date
Prepared by	[redacted]	9/24.
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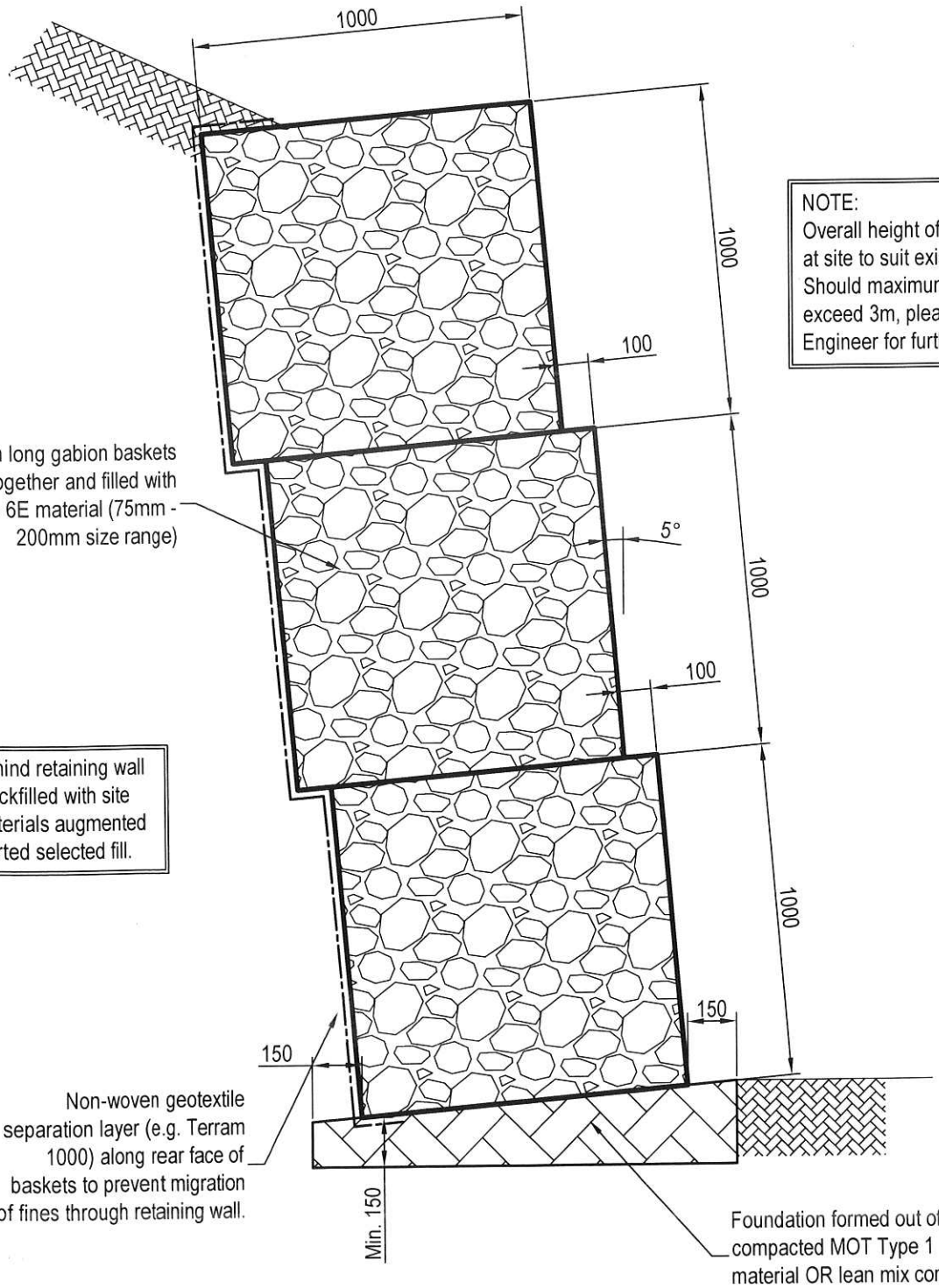
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PAGE No.	Sk02	
	Initials	Date
Prepared by	[redacted]	09/24
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Retaining Wall



NOTE:
Overall height of wall to be adjusted at site to suit existing ground level. Should maximum retained height exceed 3m, please refer to Structural Engineer for further advice.

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Page No.	SK03	
	Initials	**Date**
Prepared by	AH	09/24
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Retaining Wall

NOTES/SPECIFICATION

General

1. The Structural Design Report is based on information provided by the Architect or on the assumptions as set out within. Should any variation between the information provided or assumed conditions be identified, they should be brought to the attention of the Project Architect or Structural Engineer as soon as possible.
2. All dimensions in millimetres unless noted otherwise. All dimensions shall be checked by the Contractor prior to commencement and any discrepancies brought to the attention of the Project Architect or Structural Engineer as soon as possible.

Gabion Basket Retaining Wall

3. MANUFACTURE - Gabions shall be manufactured from a hard drawn steel wire formed into a bi-axial mesh grid by electrically welding the cross wires at every intersection. Gabions are to be factory assembled with stainless steel clips connecting side panels and diaphragms to the base panel.
4. MESH SIZE - Mesh openings shall be square and of a nominal dimension of 76.2mm on the grid.
5. MESH WIRE - Nominal wire diameter shall be 3.0mm to BS 1052.
6. CORROSION PROTECTION - Wire shall be triple life (95% Zinc 5% Aluminium) coated.
7. JOINTING - Gabions shall be provided with lacing wire for site assembly. Lacing wire shall be of minimum 2.2mm wire diameter all in accordance with the corrosion protection specified for final jointing.
8. ROCKFILL - Gabion fill shall be a hard durable and non-frost susceptible rock or stone type having a minimum dimension not less than the mesh opening and a maximum dimension of 200mm.
   CONSTRUCTION - All rockfill shall be packed tightly to minimize voids and the rockfill on the exposed face of the gabion is to be hand packed. Internal windlass bracing ties 2 per 1sqm at 1/3rd points vertically and mid-point horizontally on 1m deep units and at mid height and mid-point horizontally on 0.5m deep units. Adjacent units to be jointed by continuous lacing on the vertical and to the horizontal joints at front and rear of coursing joints. Units shall be filled such that the mesh lid bears onto the rock fill. The lid shall be wired down on all joints and across the diaphragms.