

1) DIMENSIONS IN MM, UNLESS OTHERWISE SPECIFIED.
The drawings are based on the information shown on the supplied information and drawings.

2) GABION BASKET SPECIFICATION:
MACCAFERRI HEXAGONAL WOVEN WIRE MESH (POLYMER COATED)

3) INSTALLATION:

Please refer to standard Maccaferri installation guidelines.
Gabions to be constructed in accordance with BS 14475:2006(C). Some settlement (compression) gabion units can occur, but a high standard of tolerance of 5%.

A specialist installer, experienced with this system and planning to be employed to install the solution.
Contracting fill to SFHW Series 800 requirements, should be employed to compact the fill.

4) FILL FOR GABION BASKETS:
Class 6G Gabion Stone as described in the Series 800' Specification for Highway Works. The stone fill should be hand placed to a high standard according to the manufacturer's instructions.

5) BACKFILL TO GABION WALLS:
The backfill for the walls is to be compacted Class 6N/6F2 granular fill. This material is assumed to have the following characteristics: $\rho_{\text{dry}} = 35 \text{ kN/m}^3$, Specific Gravity = 19.4kN/m³ and $c = 0\text{kPa}$, compacted in accordance with SFHW Series 800' Table 5/4.

The Principal Contractor is responsible for the selection of this material to ensure compliance with the geotechnical characteristics as shown on the relevant drawings and in the design documents/conditions.

6) FOUNDATION FOR GABION WALL:

To achieve a suitable foundation for the Gabion baskets, excavation must take place down to the levels indicated on the drawing and allow for the placement of the concrete foundation. The concrete foundation must be placed in situ (Class 6F2) with assumed properties of $\rho_{\text{dry}} = 35 \text{ kN/m}^3$, Specific Gravity = 19.4kN/m³ and $c = 0 \text{ (kPa)}$.

Formation level assumed to be an competent bearing stratum, (original MODUSTONE (angular gravel or silt CLAY) with a safe bearing resistance of 120kPa, or if the bearing stratum is not competent, the bearing stratum or made ground) to be removed down to competent bearing stratum, and be replaced with compacted Class 6F2 granular fill.
The Contractor must appoint a third geotechnical specialist to investigate the foundation stratum to ensure it is a safe bearing resistance of 120kPa.

Stable bearing includes: capped and to comply with BS 1377 9, incremental tests of $\rho_{\text{dry}} = 18.4 \text{ kN/m}^3$ and $c = 0 \text{ kPa}$. The data should be tested to at least 350kPa in 5 equal increments.
If original cohesive material is found at foundation level, hand shear vane tests could be carried out to confirm a minimum undrained shear strength (c_u) of 100kPa.

If any material with an undrained shear strength of <100kPa is left in place at or below formation level, excessive settlement and/or global instability may occur.

7) SITE / IN-SITU SOILS:
Retained (assumed to be silt sandy CLAY or MUDSTONE), these materials are assumed to have the following minimum properties:

$\rho_{\text{dry}} = 30' \text{ kN/m}^3$ - 20 kN/m³ and $c = 0 \text{ kPa}$.

Foundation (assumed to be MUDSTONE (angular GRAVEL or silt CLAY)); these materials are assumed to have the following minimum properties:

$\rho_{\text{dry}} = 32' \text{ kN/m}^3$ - 22 kN/m³ and $c = 0 \text{ kPa}$.

8) TYPICAL BATTERY FRONT FACE STEP:
The walls are to be constructed at a 6' batter, with a 150mm step at the face of each course.

9) TEMPORARY EXCAVATIONS:

This solution is for the permanent works only, and is issued on the basis that a safe system of works is provided for construction. The Principal Contractor installer must produce a method statement and risk assessment for the works to be supported by the Scheme Consulting Engineer. The works are to be carried out in accordance with the design, and the scope and should be confirmed by a Temporary Works Designer appointed by the Principal Contractor.

10) CONSTRUCTION TRAFFIC OPERATING CLOSE TO THE WALLS:
Construction traffic must be kept away from the wall and the crest of the wall, as this can cause movement of the Gabions. If construction plant is to traffic at the rear of the walls, a suitable haul road design must be undertaken (by others).

11) PEDESTRIAN PROTECTION:

As per described on FB-001-H-Site Plan. Fence posts to be fully concreted into minimum 1.0m long, 0.3m diameter sleeves installed into the upper gabion baskets during construction. 1.1m metal guard railing to be installed at 0.7m deep void barriers. Any vehicle barrier requirements, impact tests and barrier solutions are to be determined by others.

12) DRAINAGE

A 150mm diameter perforated drainage pipe must be provided, as indicated on the drawings, designed to an approved positive outlet point (e.g. 40m centres to ensure the full length of drainage can be positively discharged and fully maintained).

Site drainage is to be designed by others in both the permanent and temporary (construction phases) cases. Water must not be allowed to inundate the wall.

Design of the walls against excessive seepage or hydraulic failure modes is Maccaferri and Geoman's scope and is the responsibility of the Client's Consulting Engineer.

13) SETTING OUT

Setting out of the walls is outside Geoman's scope and is to be provided by the Scheme Designer. The wall line is as per drawings provided. Fence line to be set out by others in accordance with the design documents/conditions. The line to be confirmed prior to construction.

14) BUILDING FOUNDATIONS AT PLOT 34 & 35

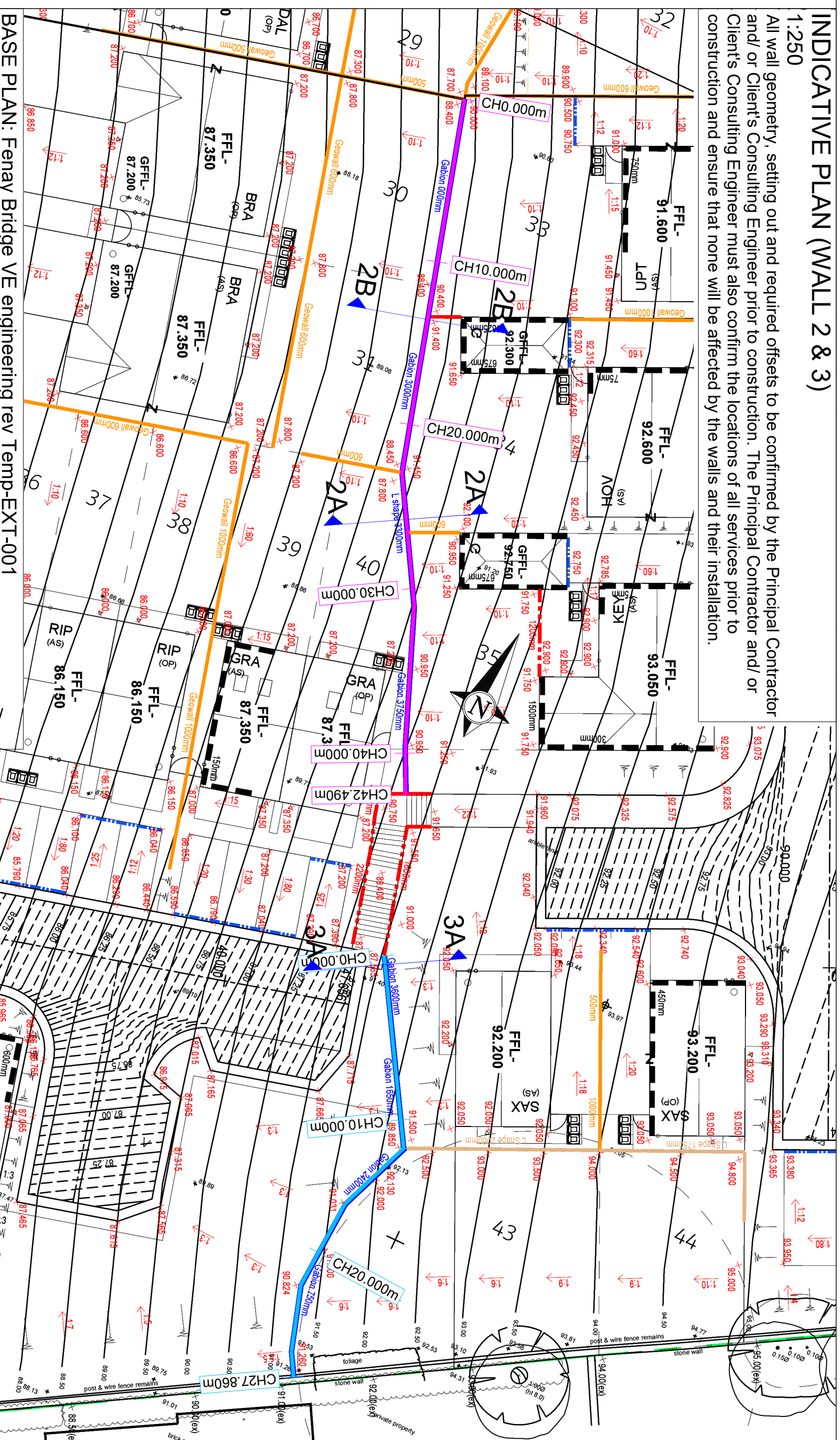
All adjacent buildings and structures must be founded at a suitable depth to ensure they are not affected by the construction of the Gabion wall. Foundations must be taken down to below the proposed wall formation level. This must be ensured by the building foundation designer prior to construction.

Construction of the wall shall not commence unless and until the Client/Client's Consulting Engineer has considered the Geoman Design Submission Document (24-6029-F1) to ensure there are no errors, omissions or conflict with the scheme design.

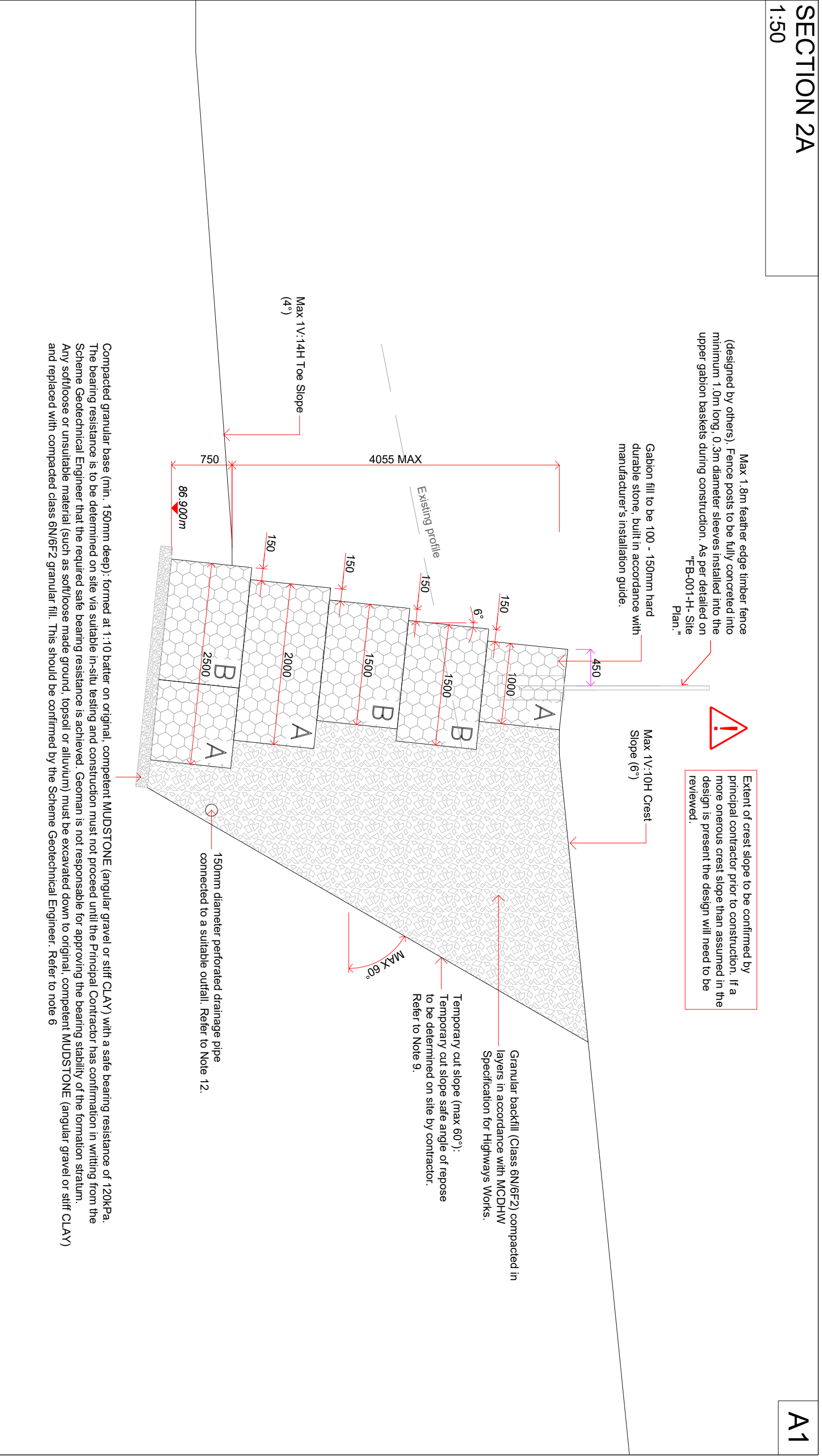
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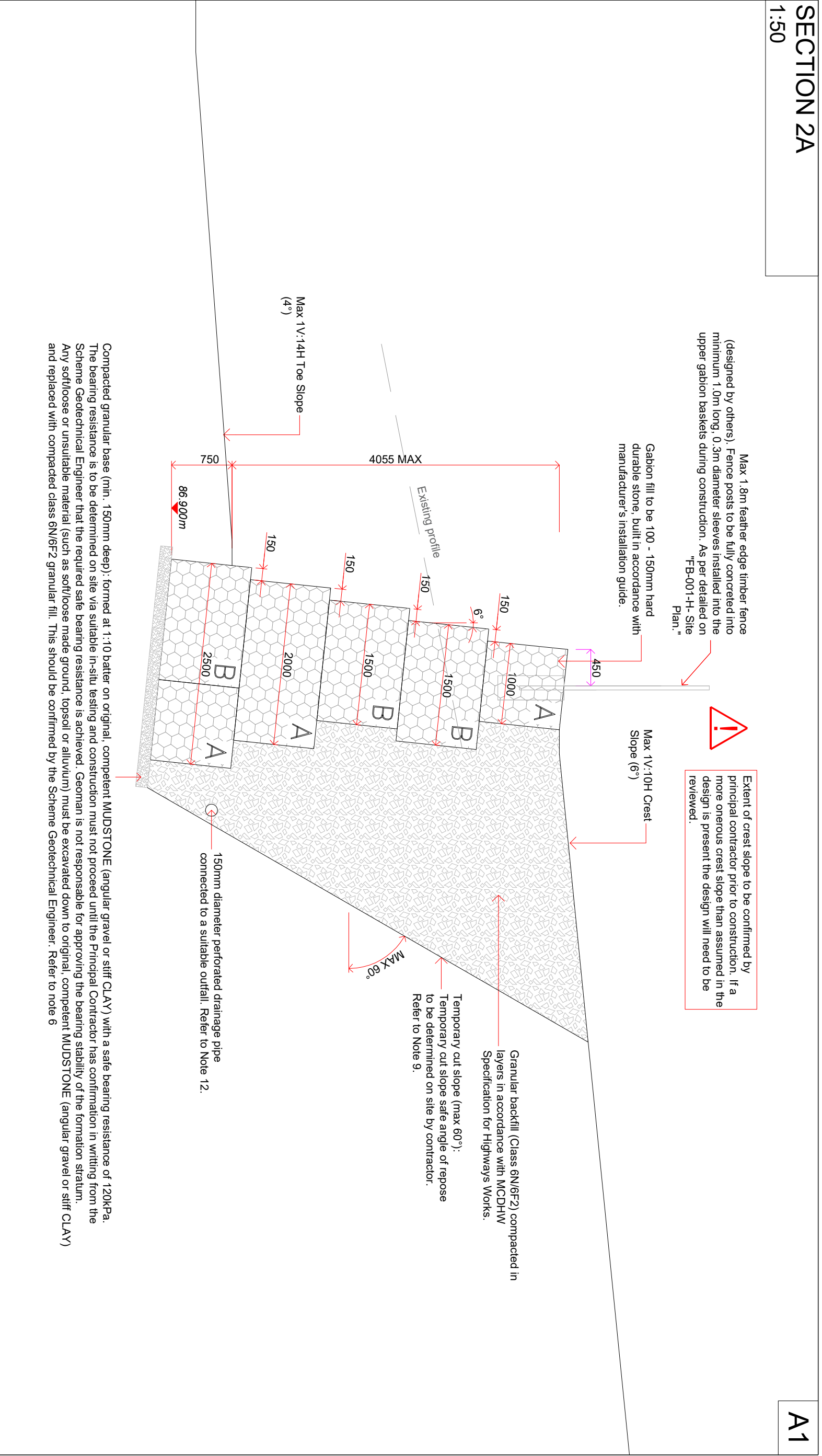
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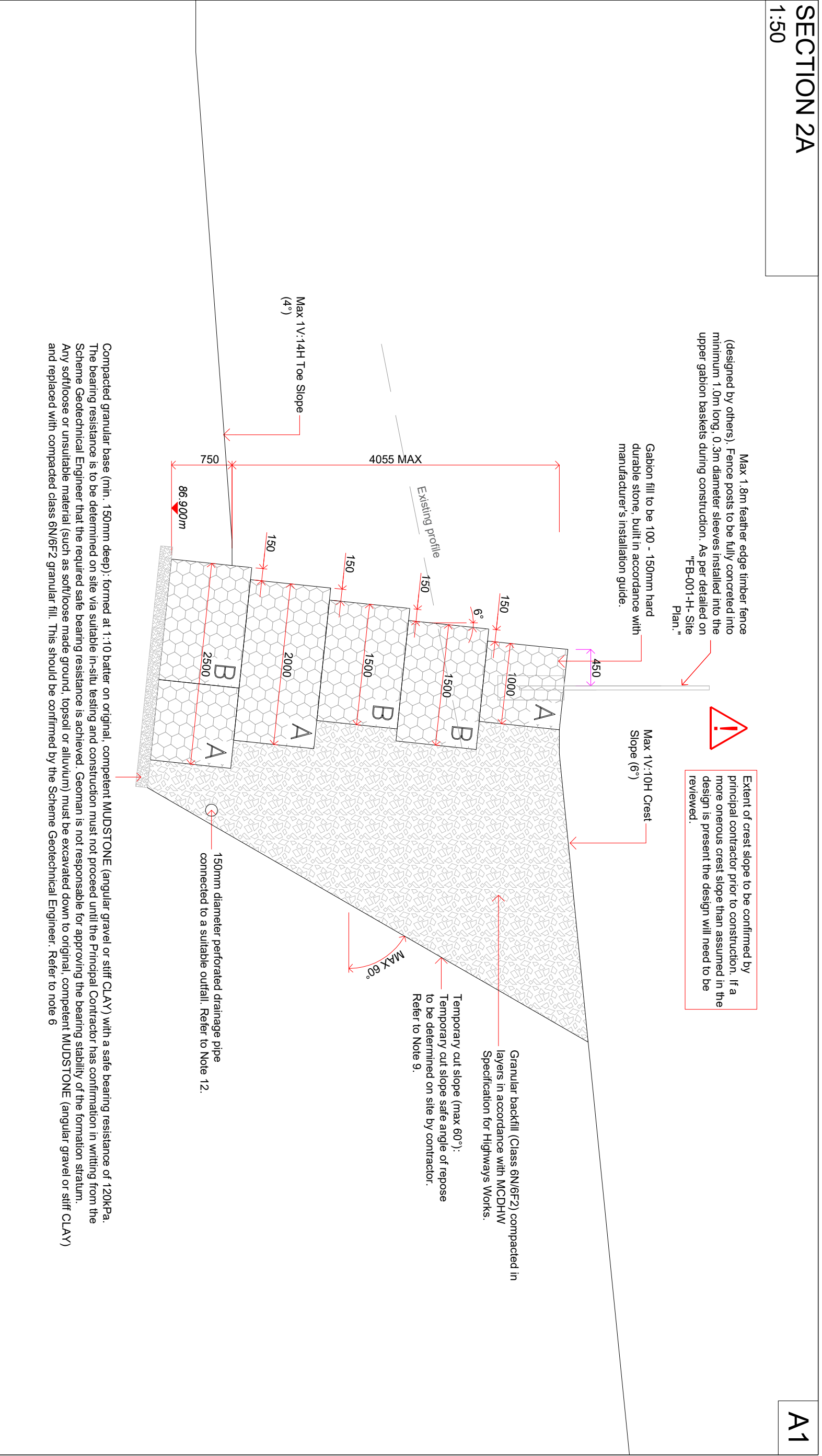
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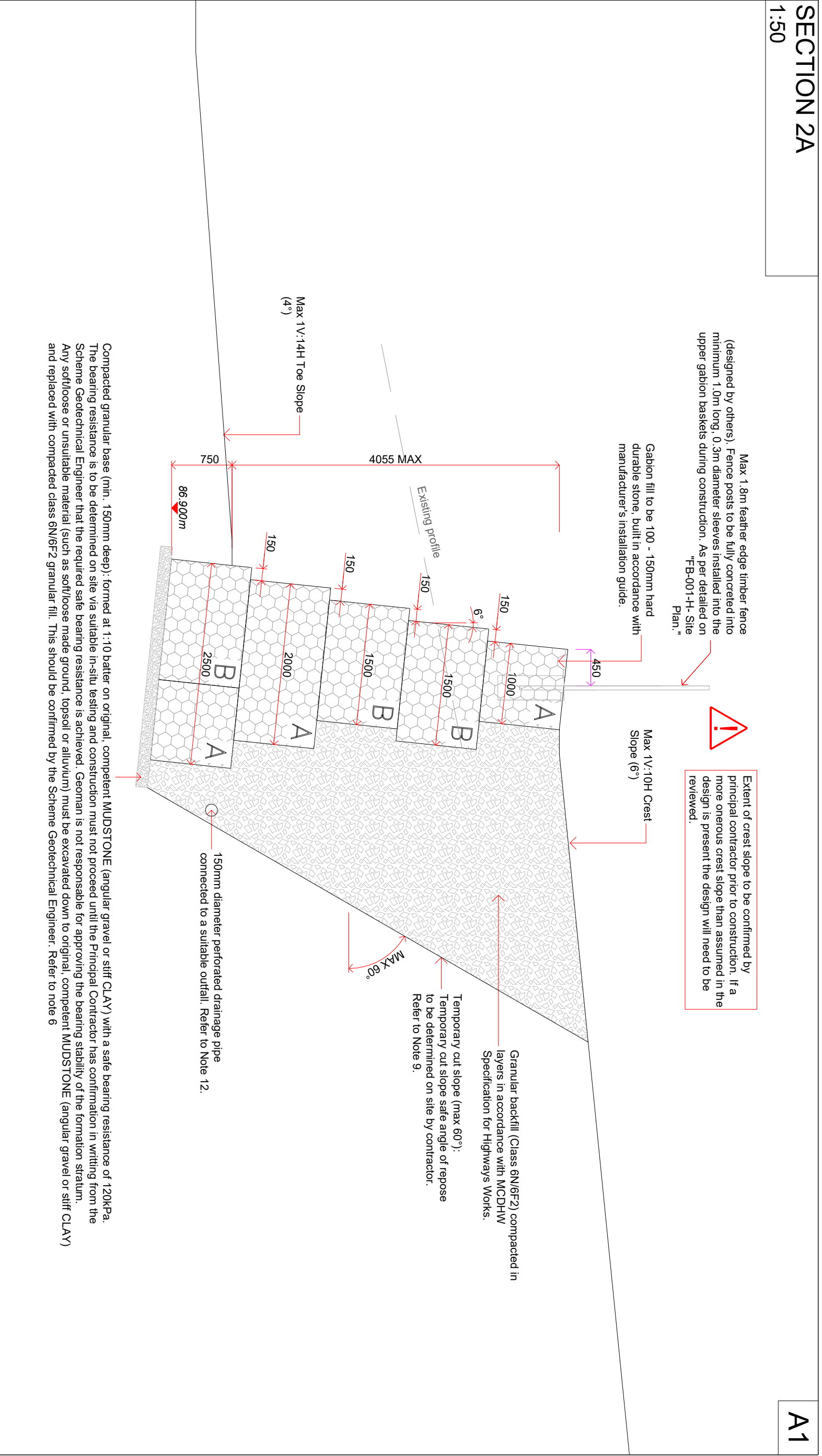
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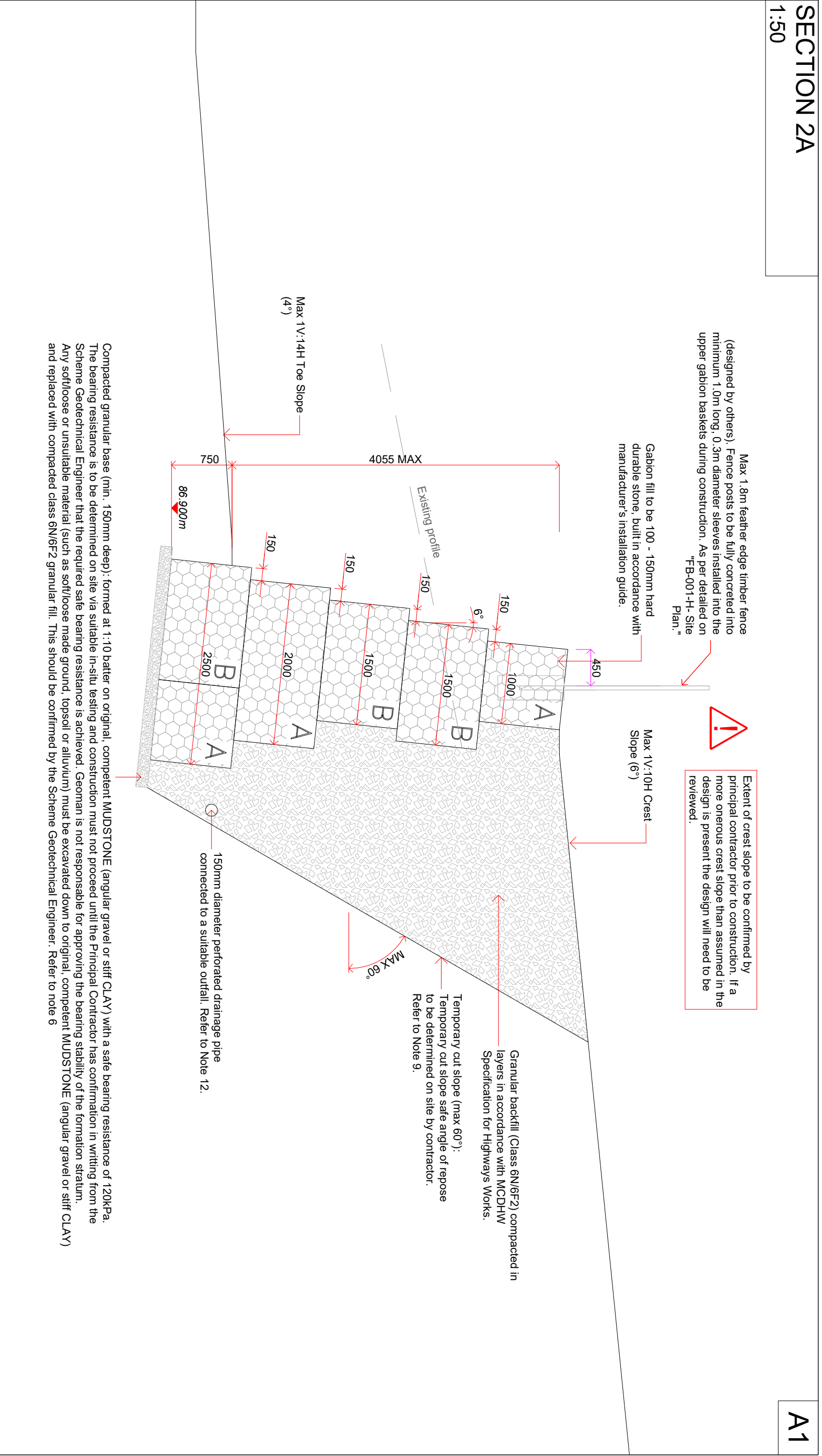
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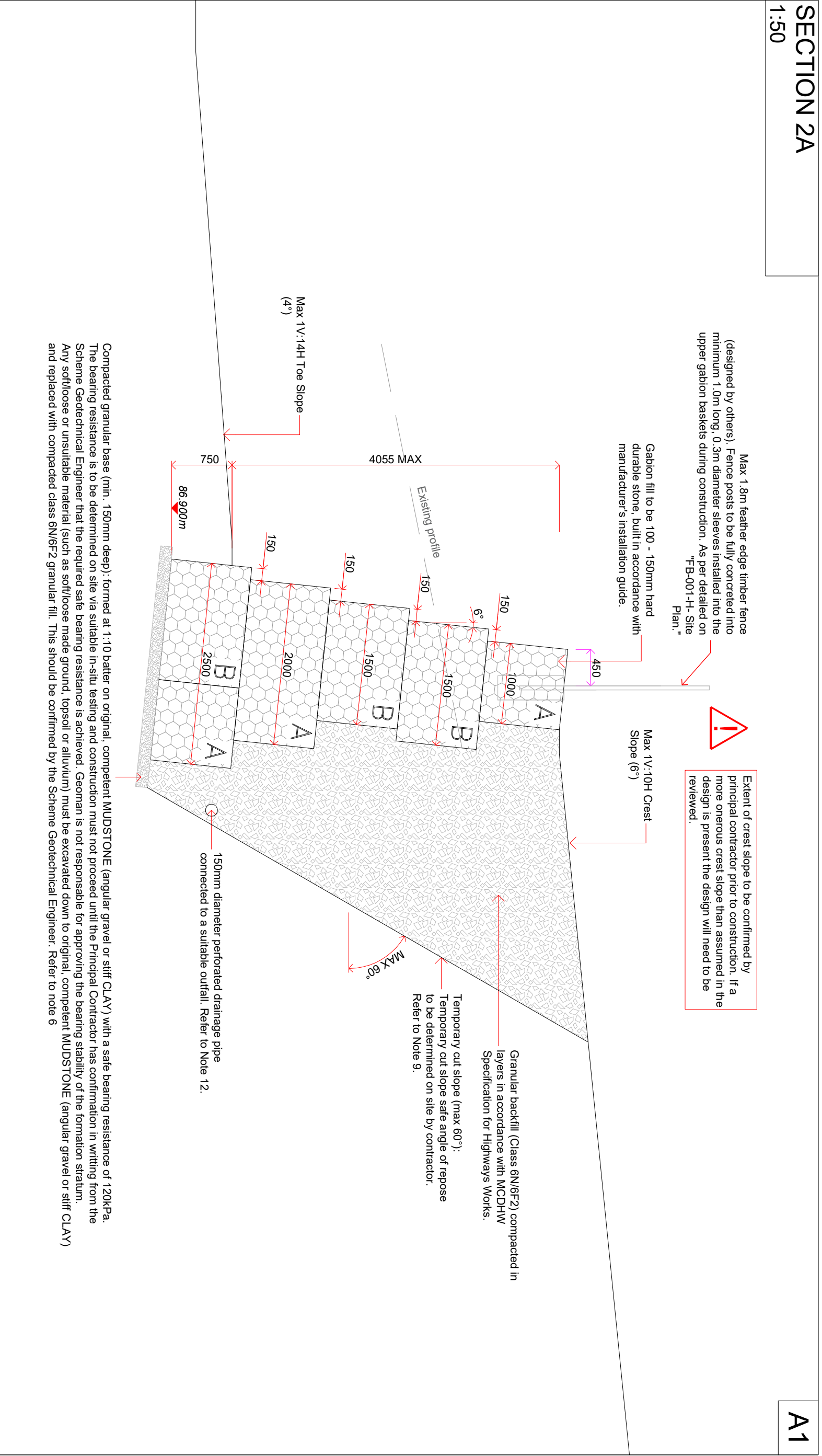
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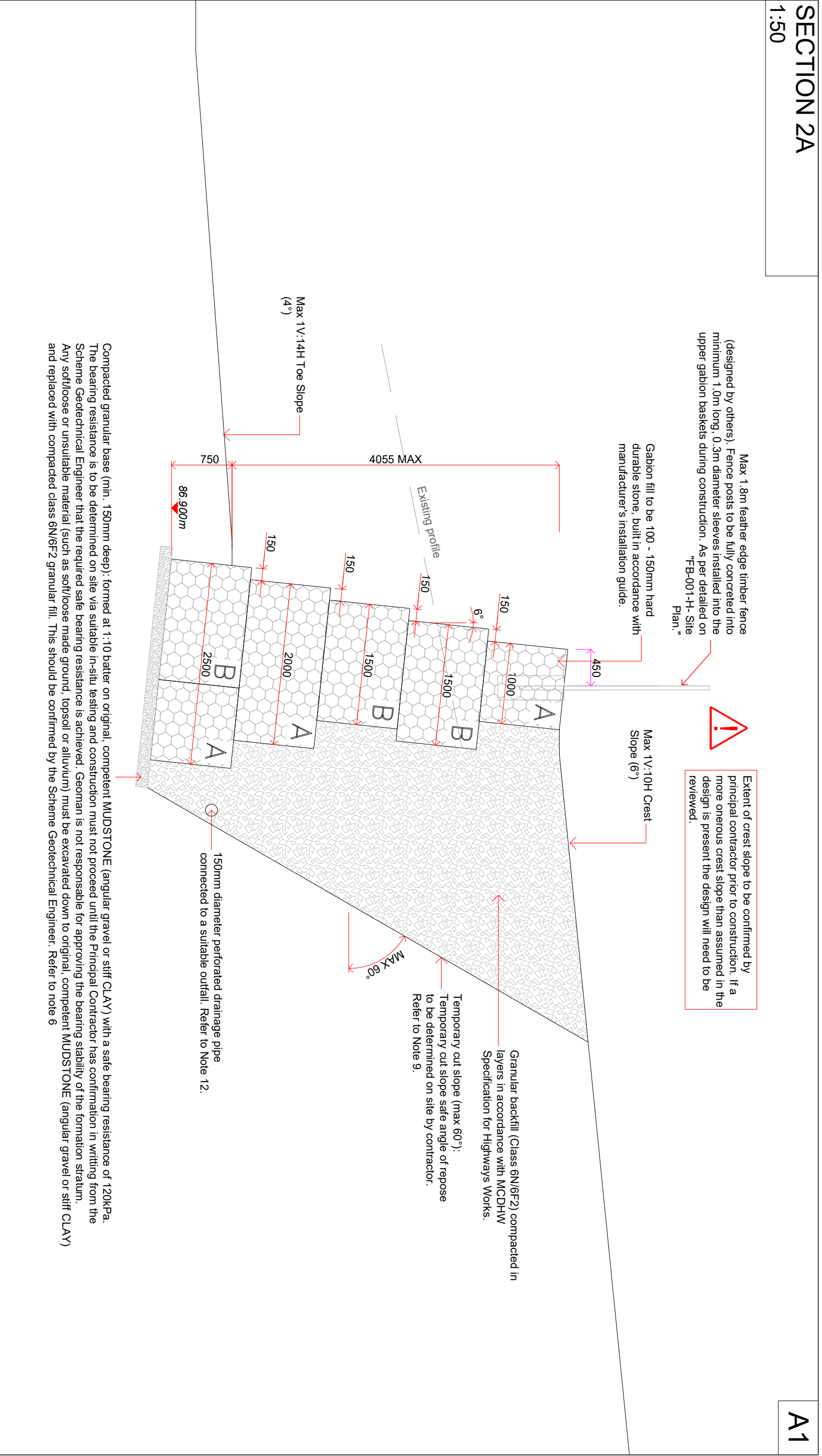
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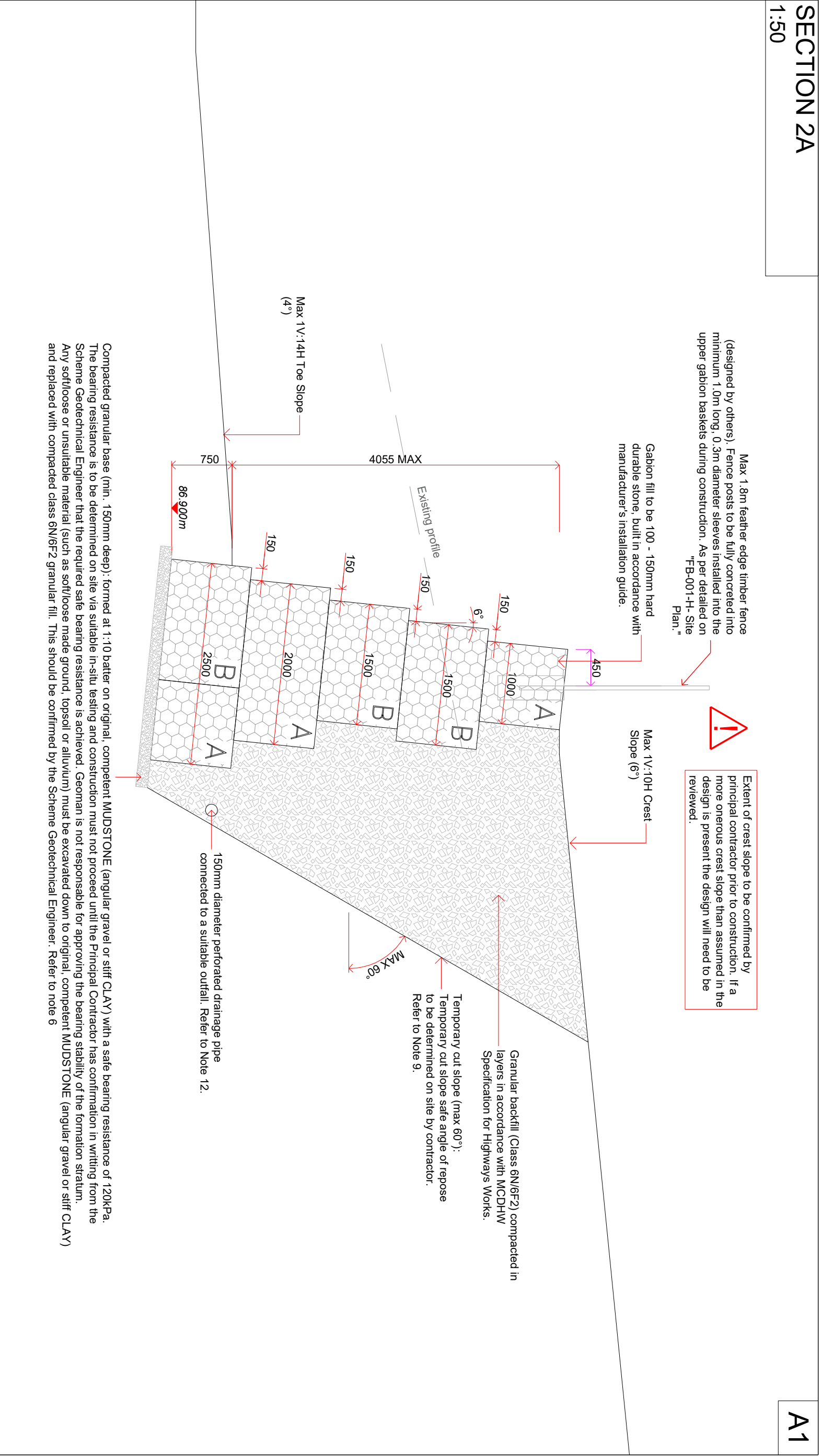
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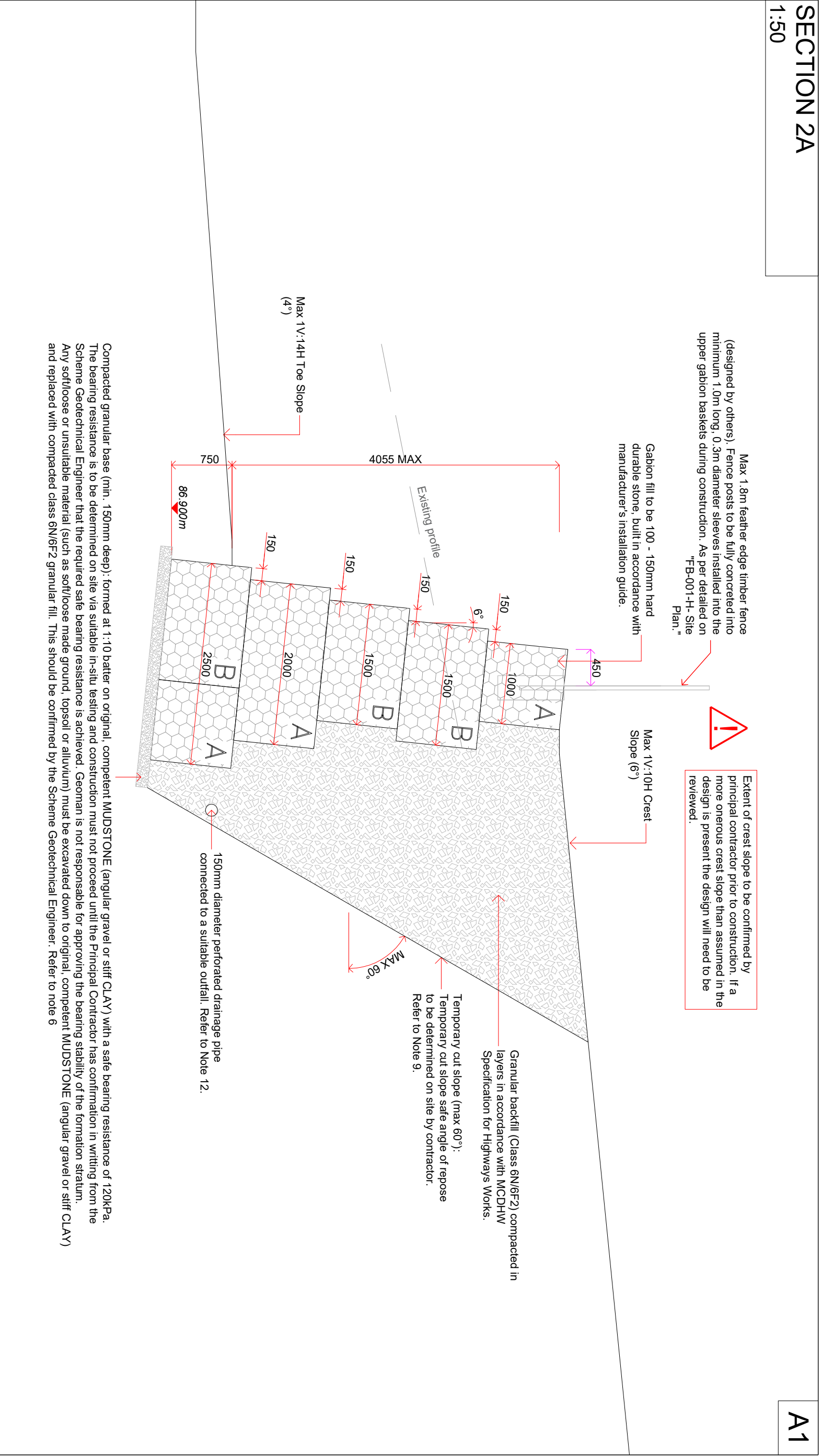
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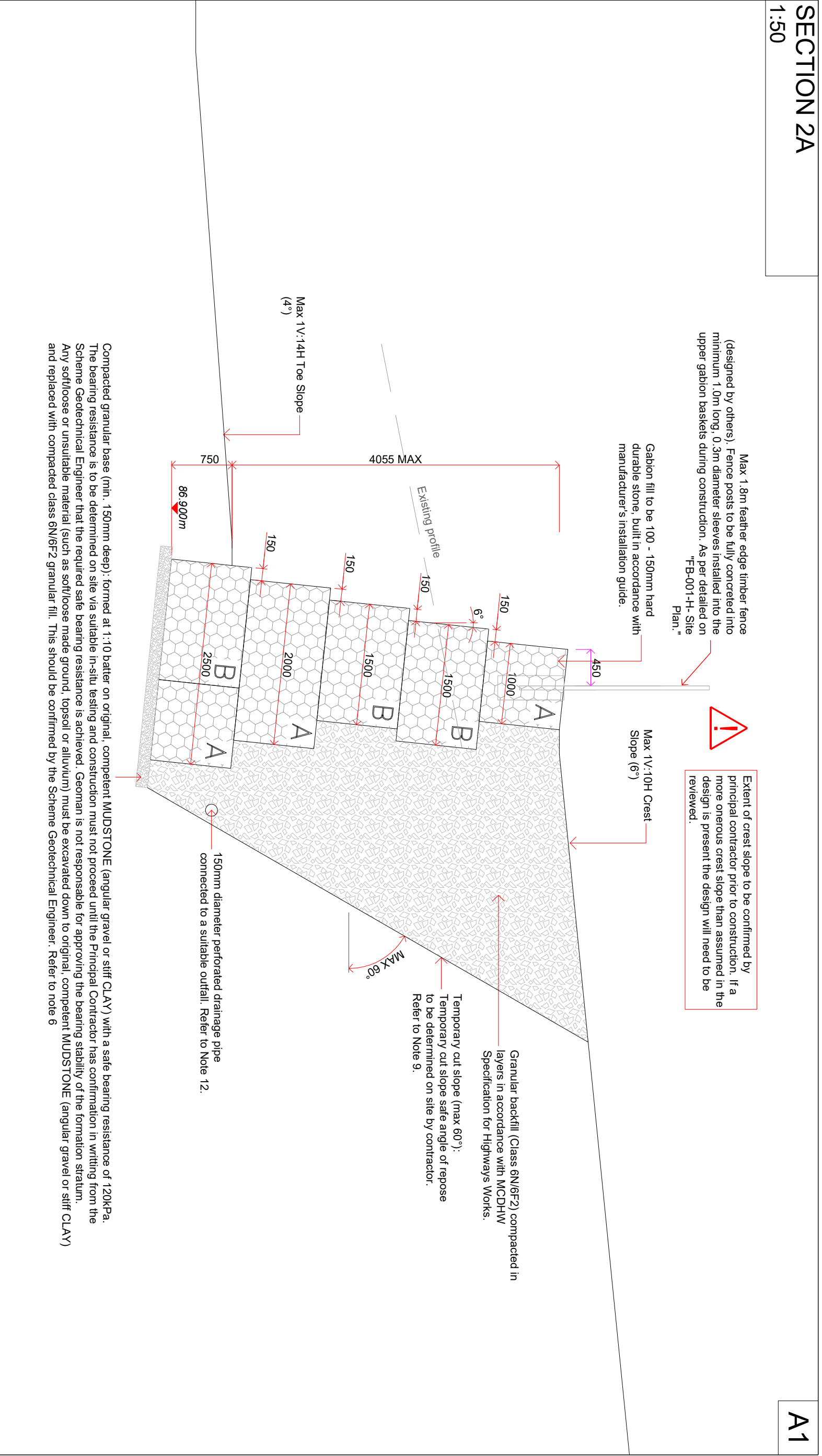
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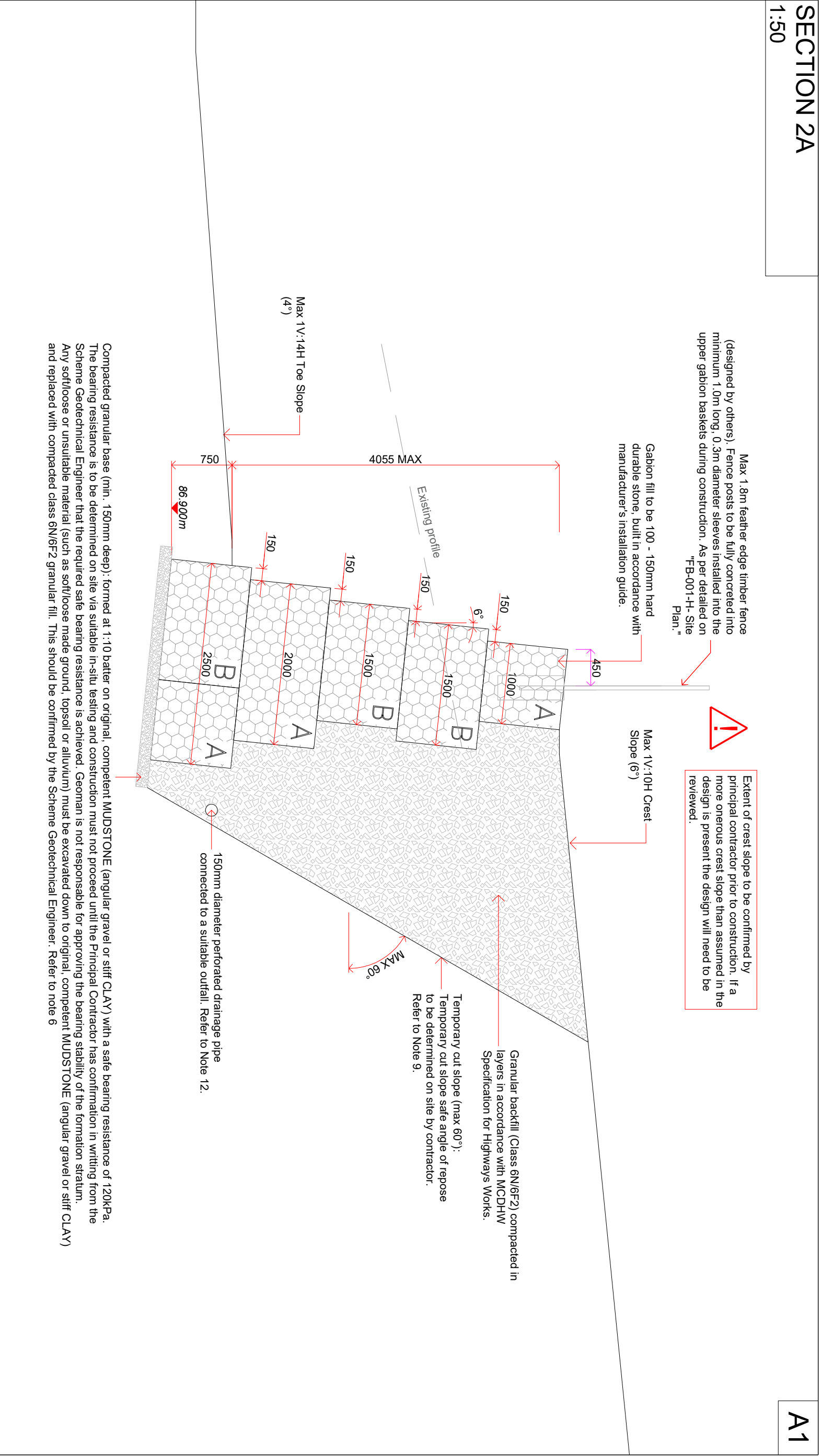
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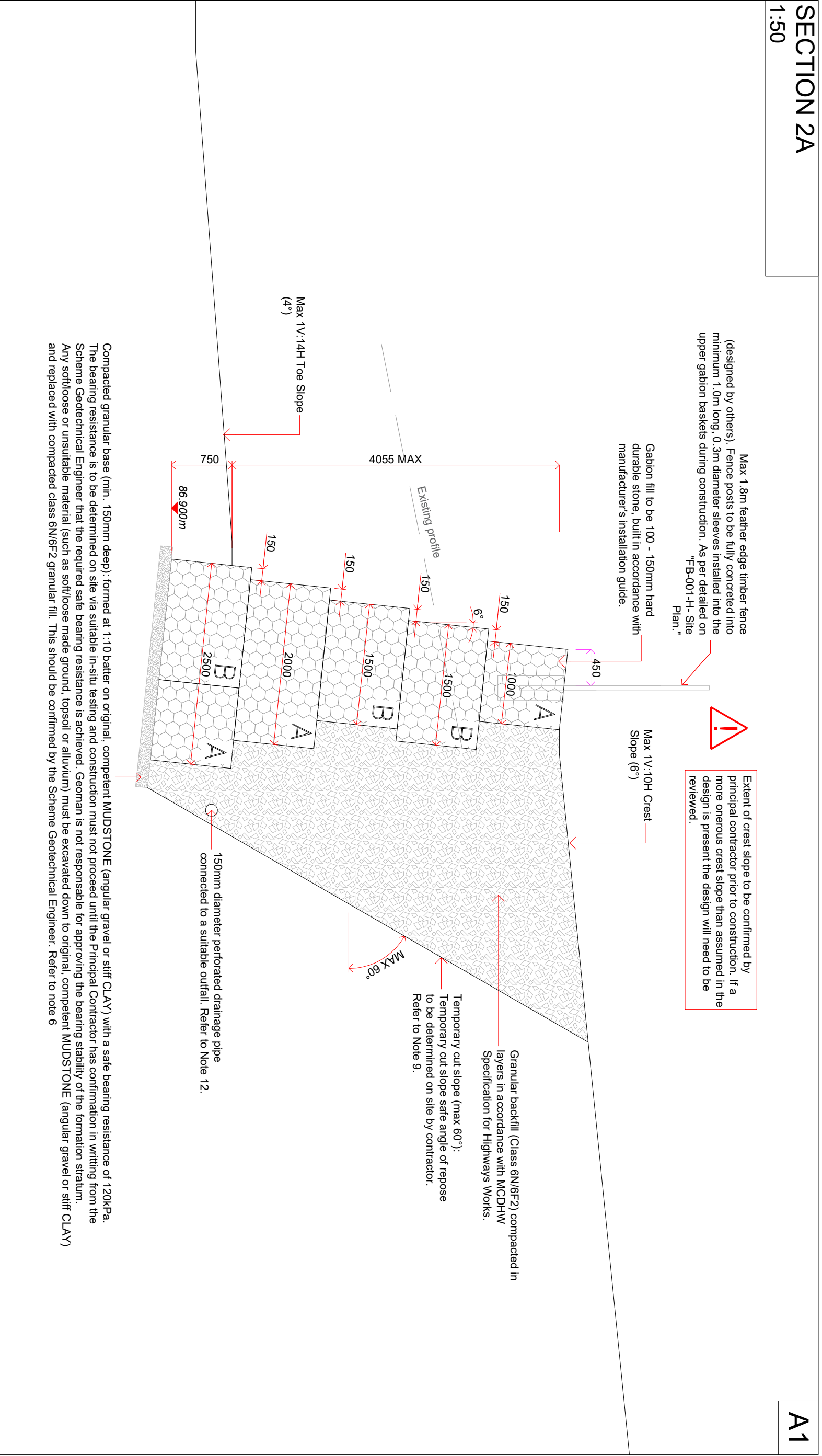
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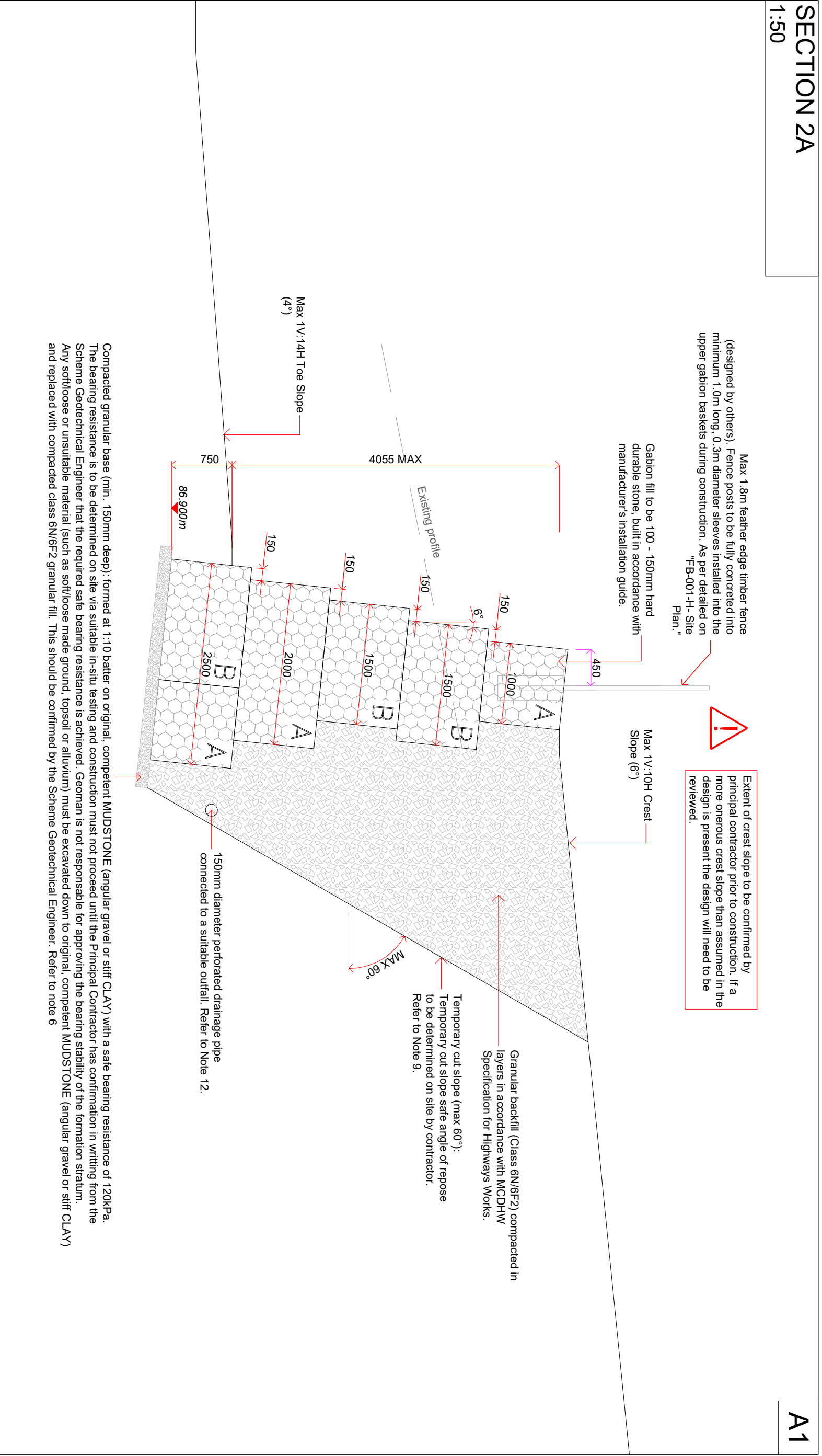
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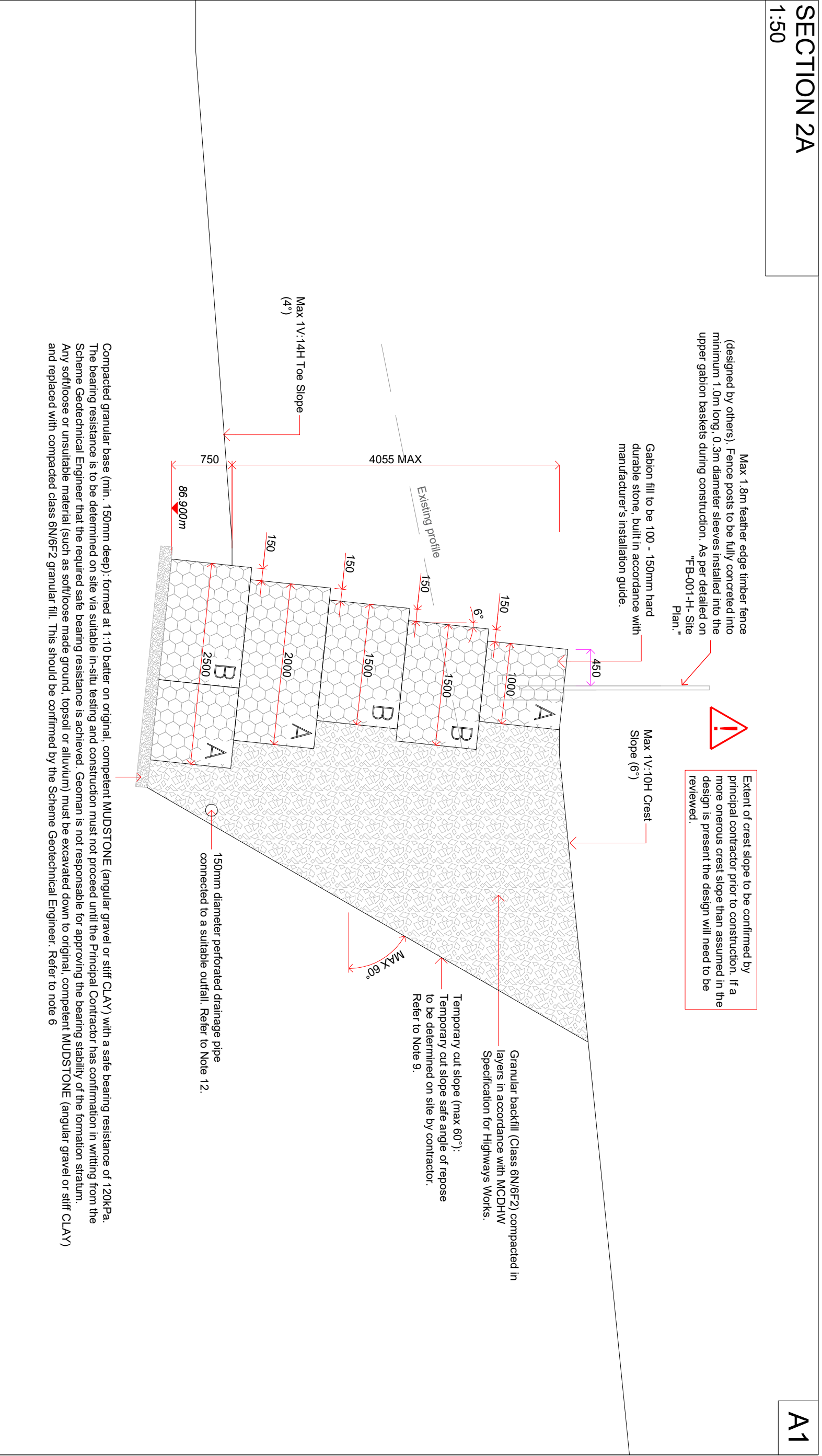
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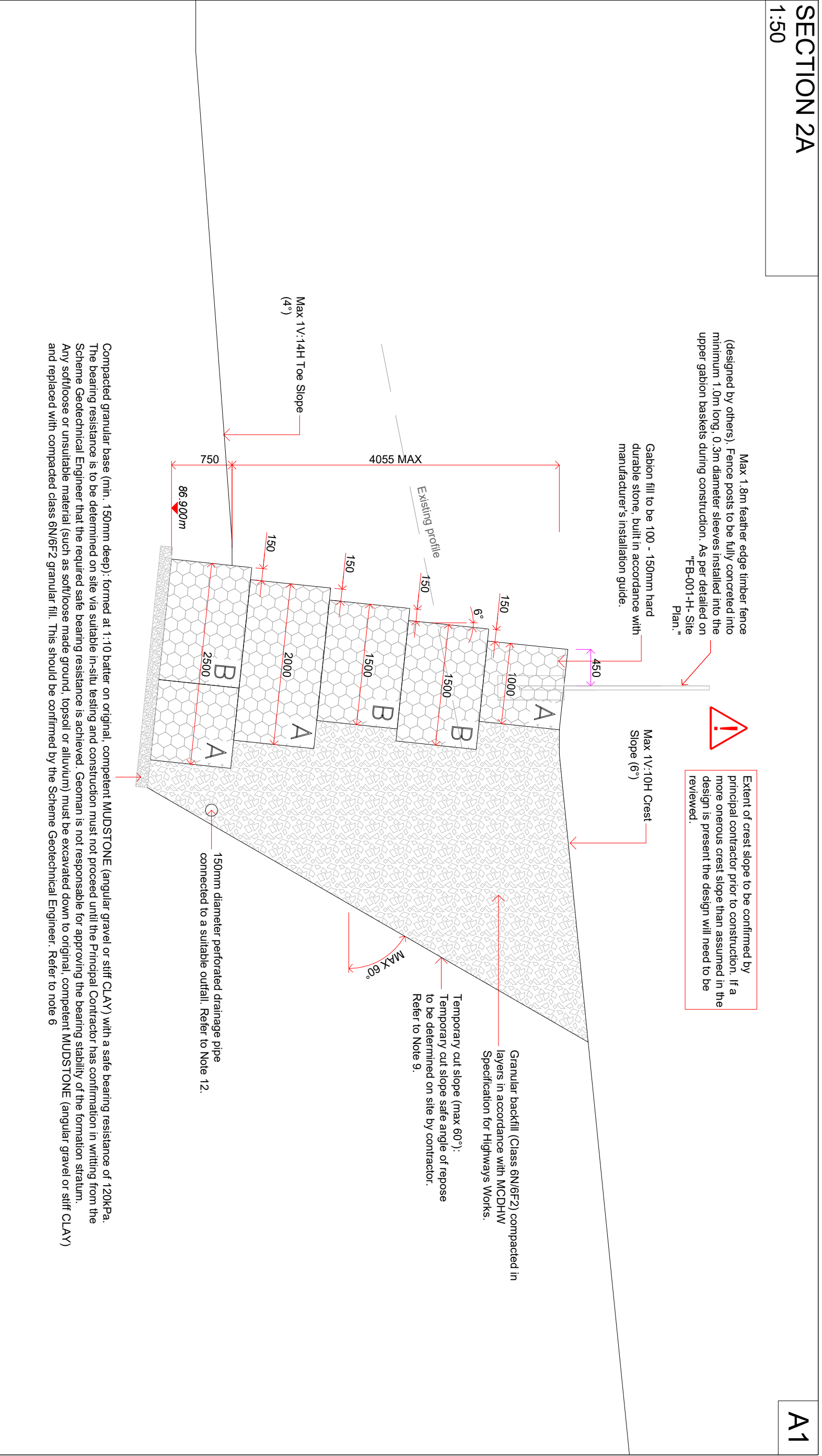
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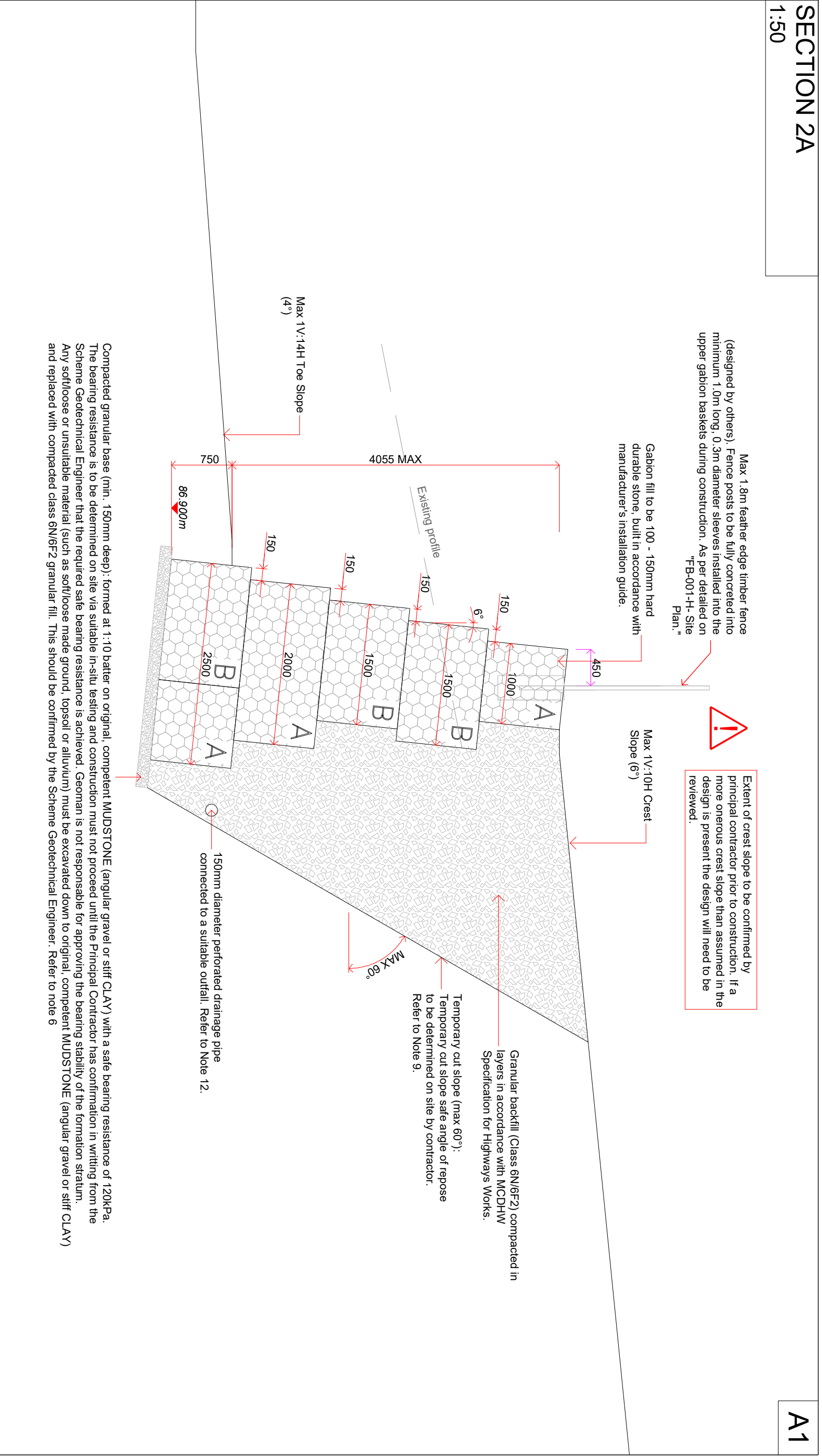
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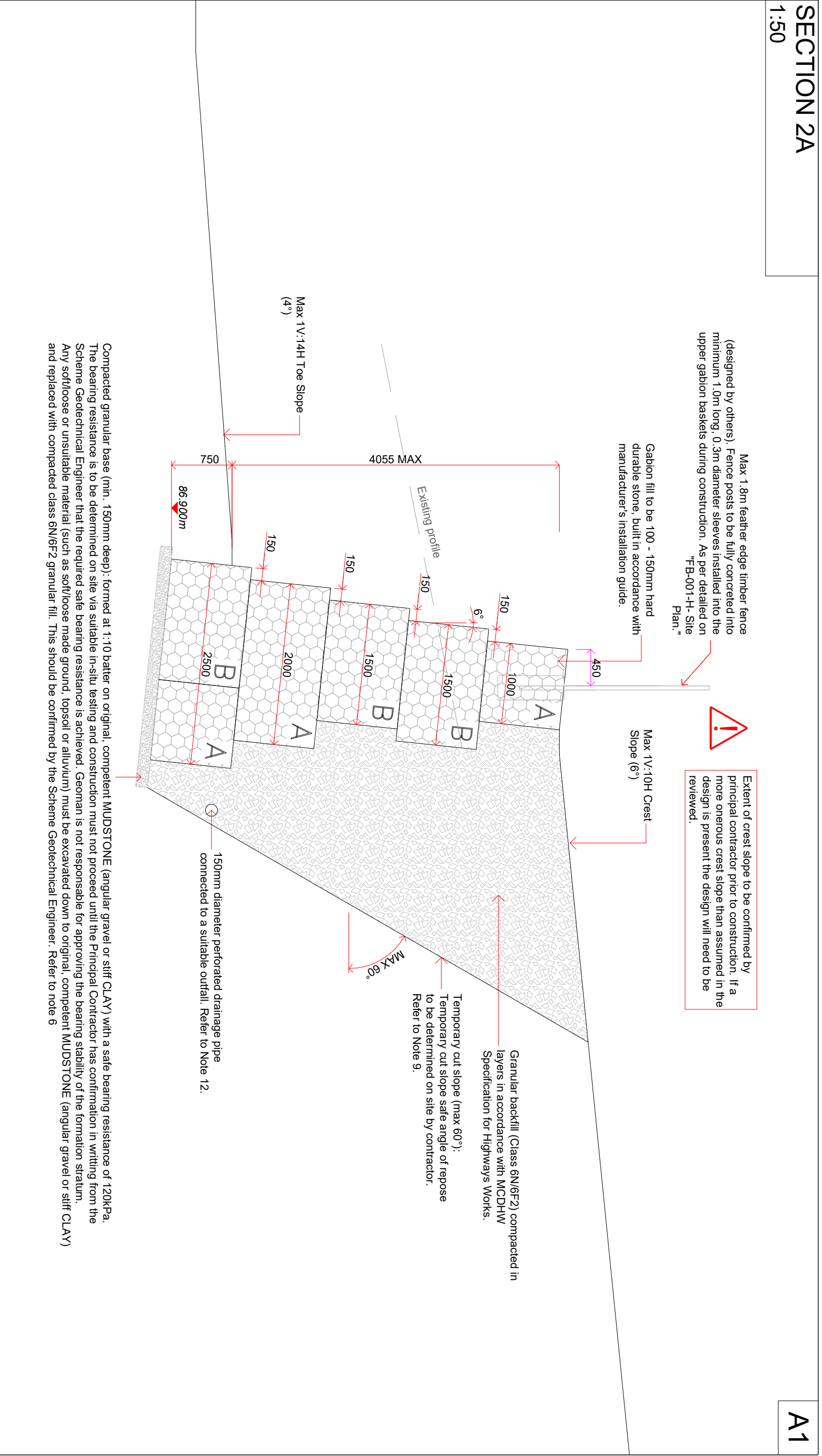
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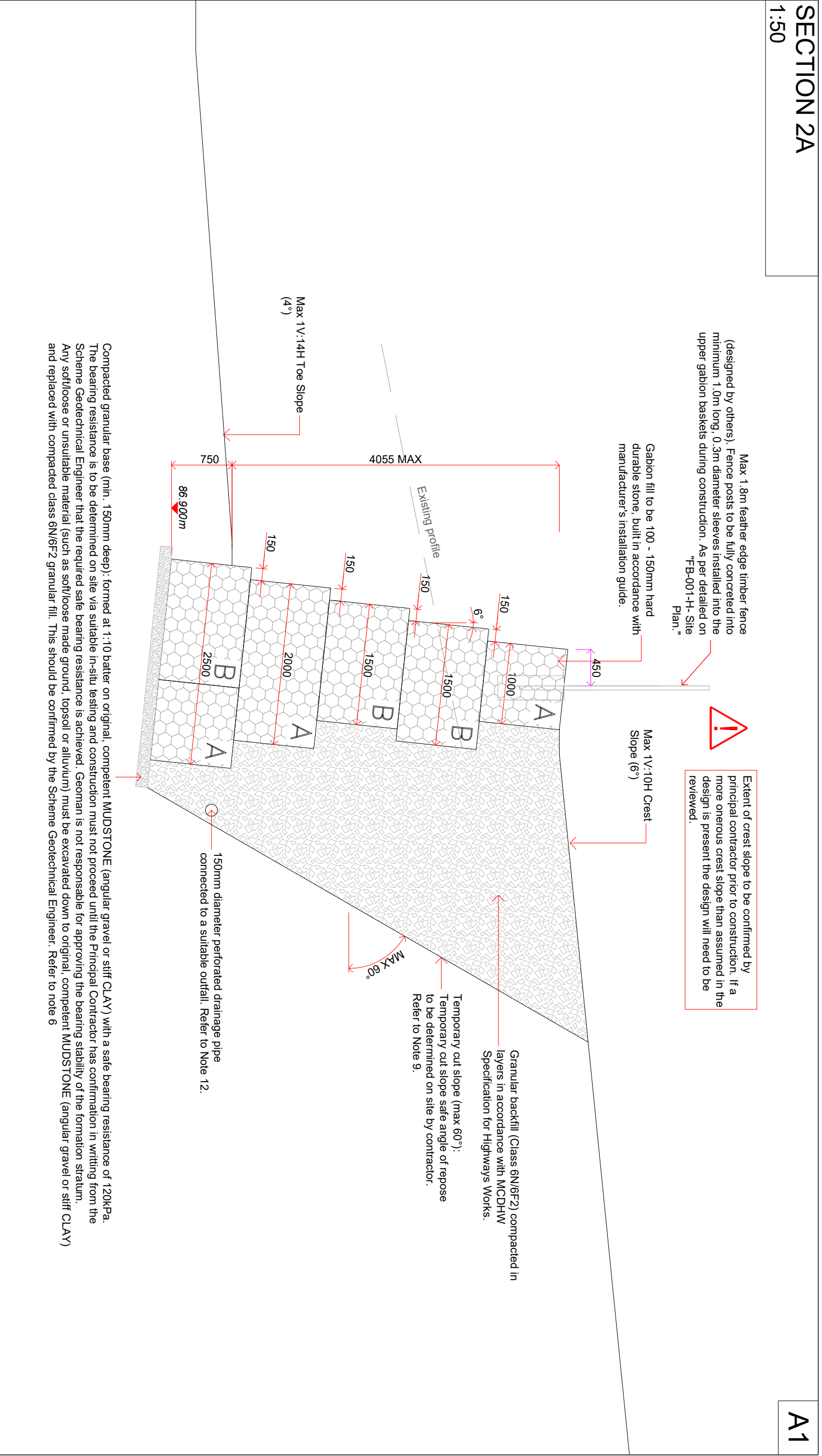
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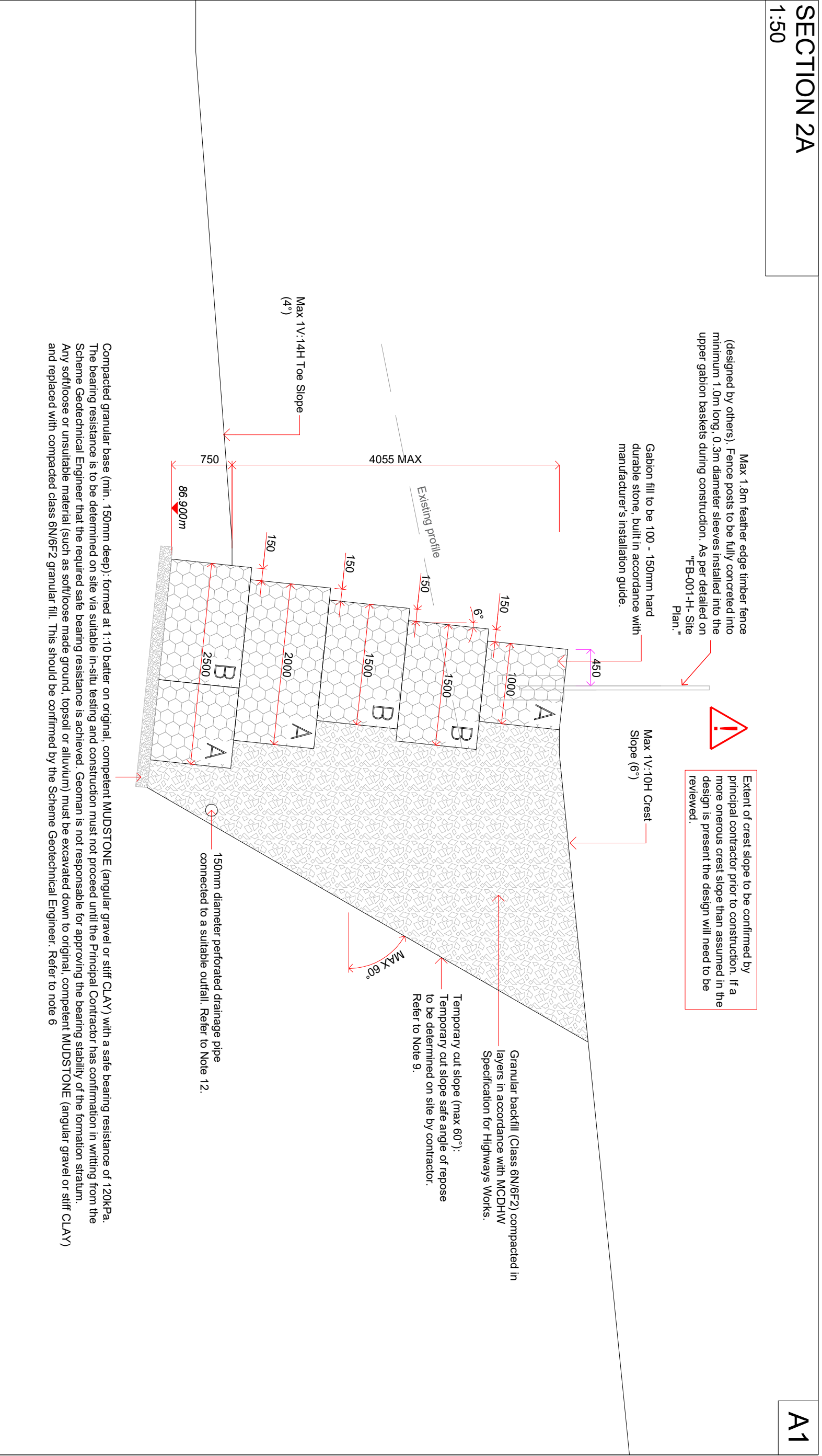
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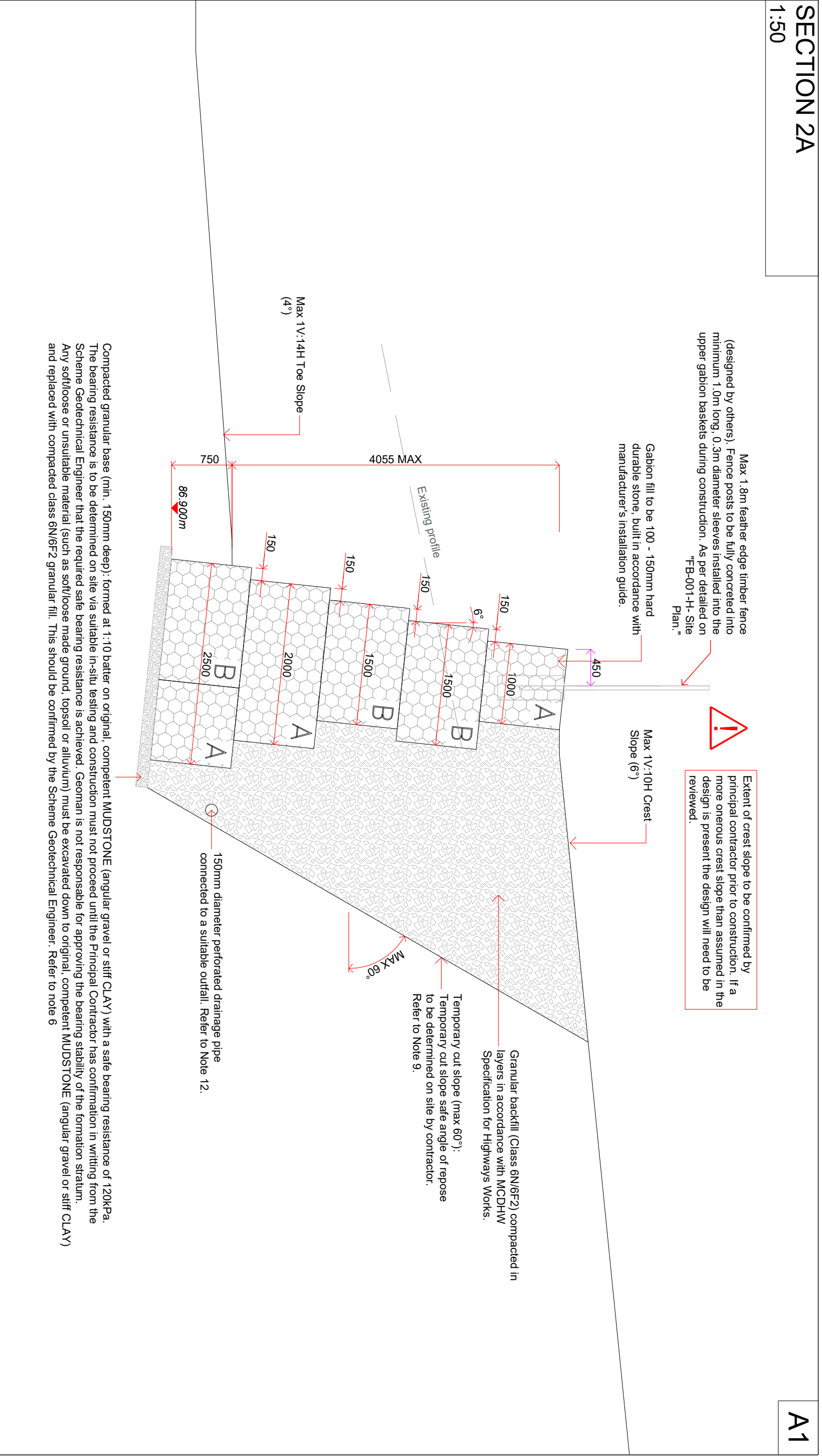
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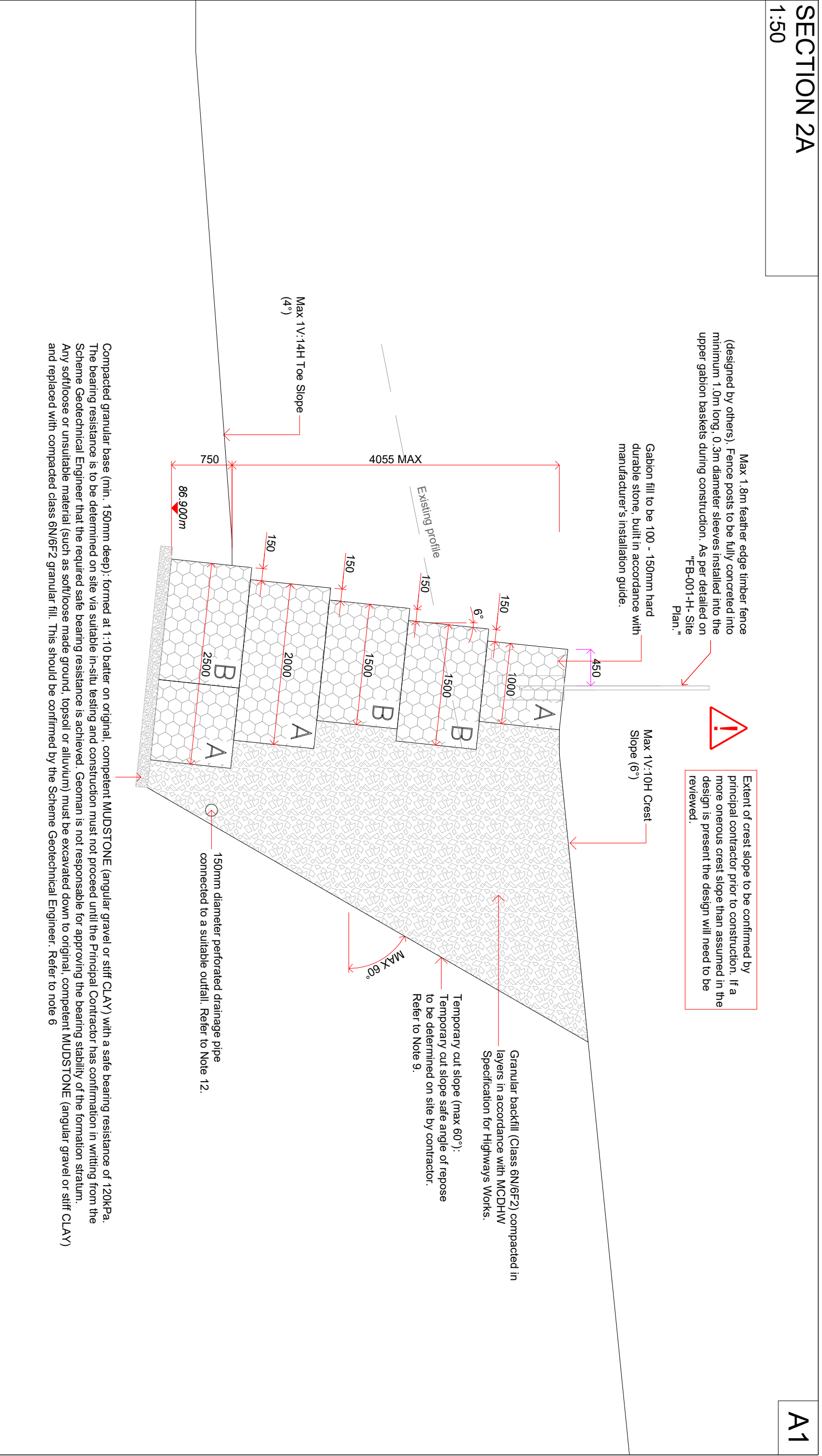
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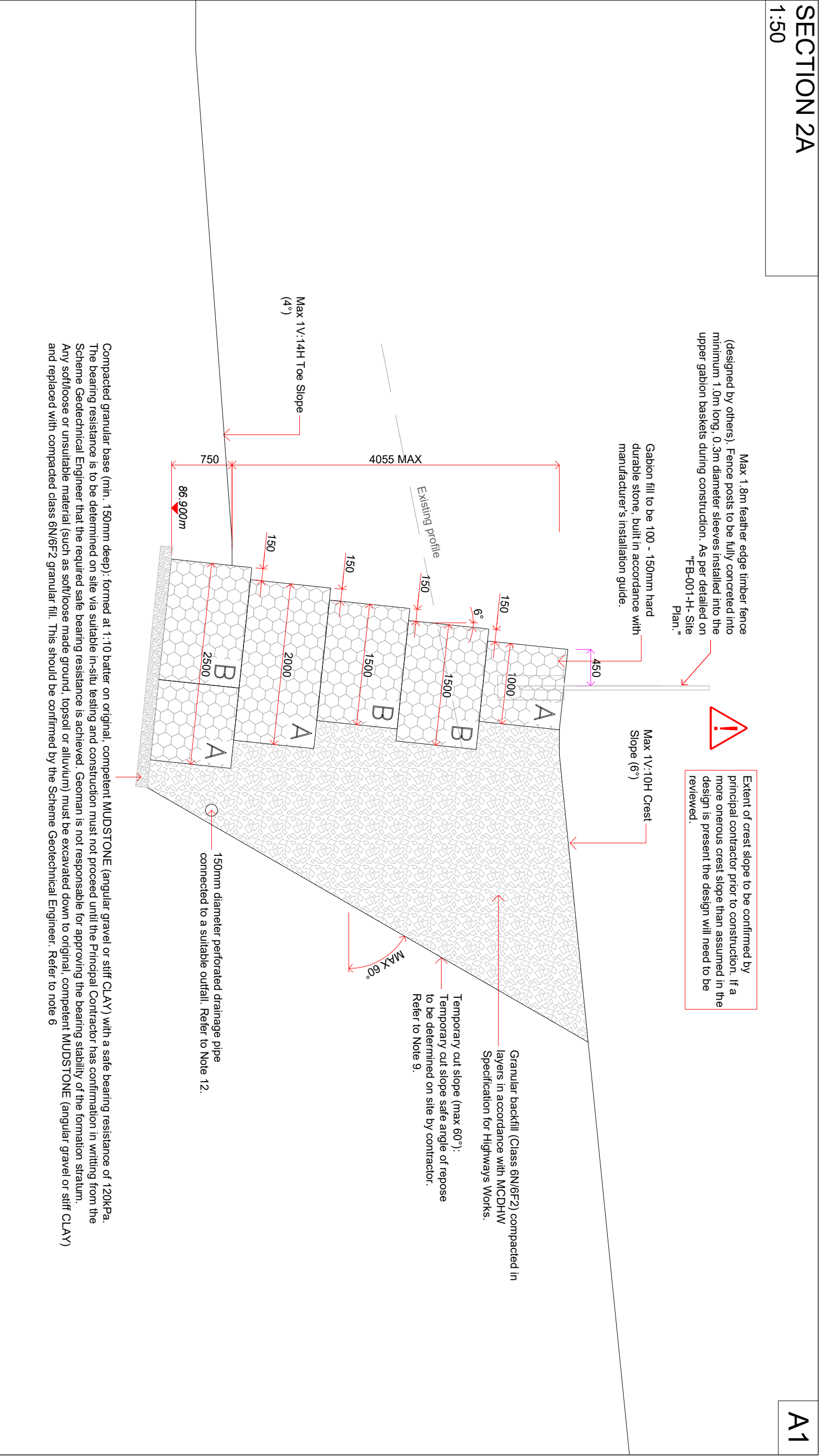
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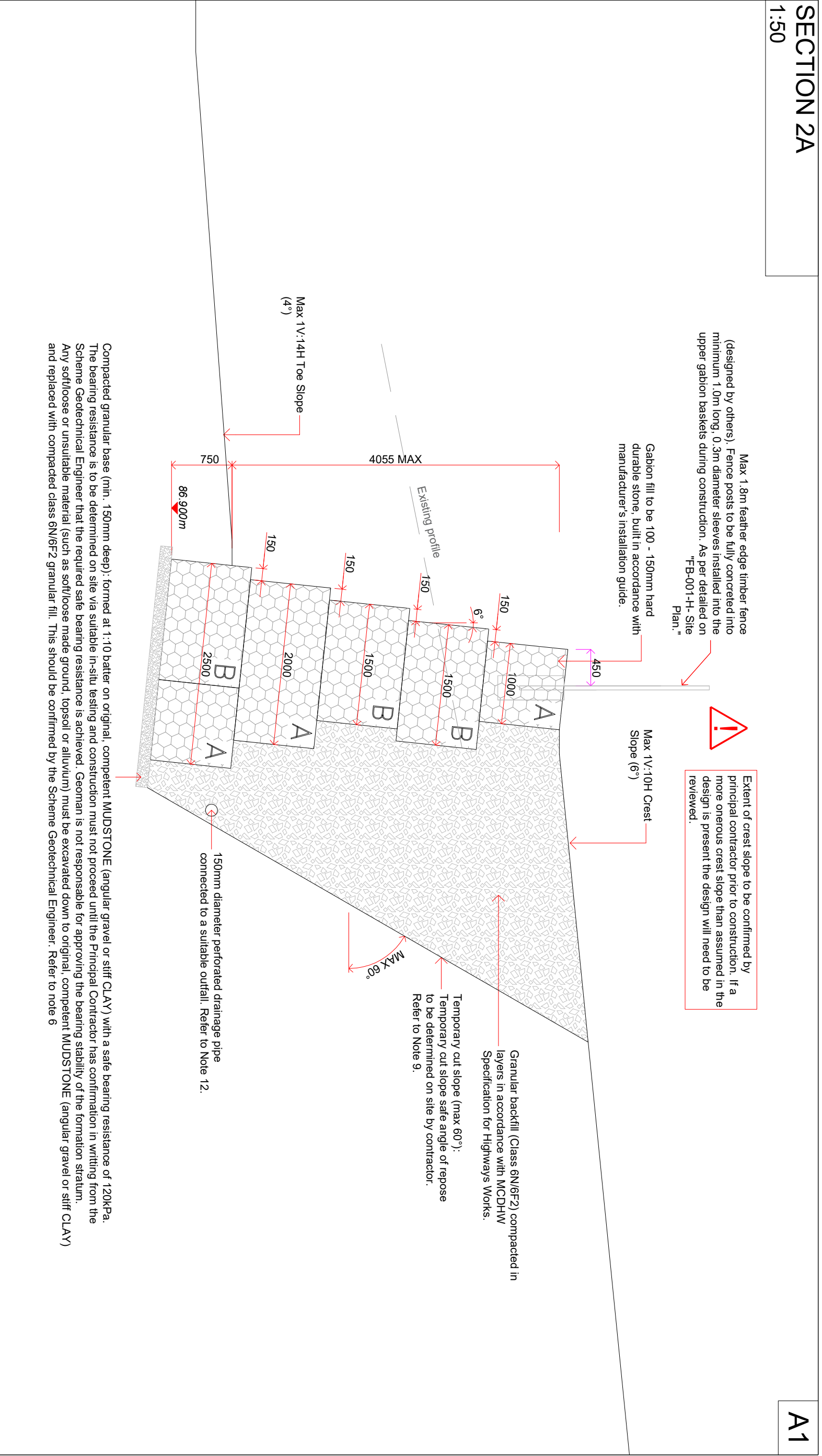
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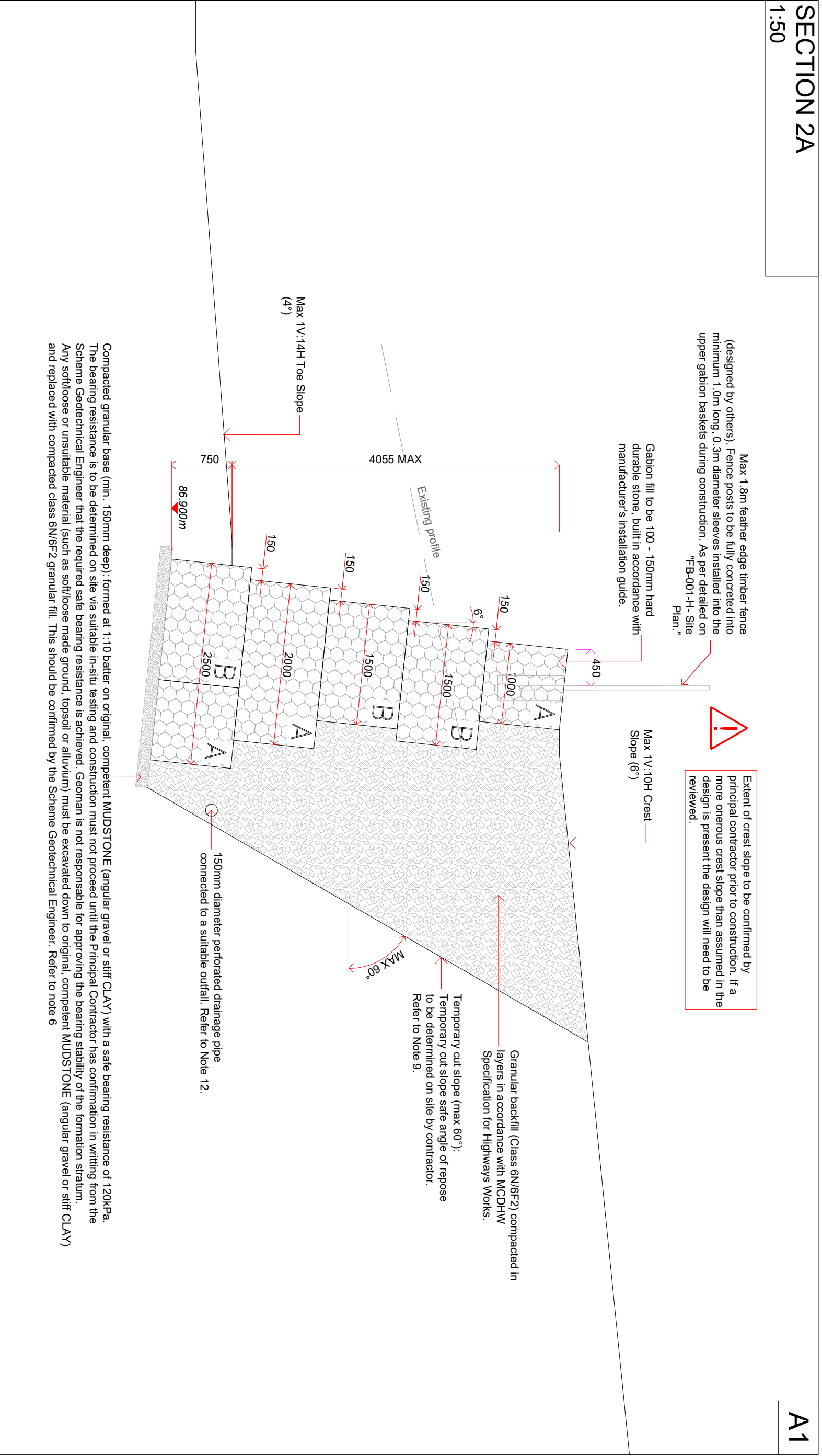
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