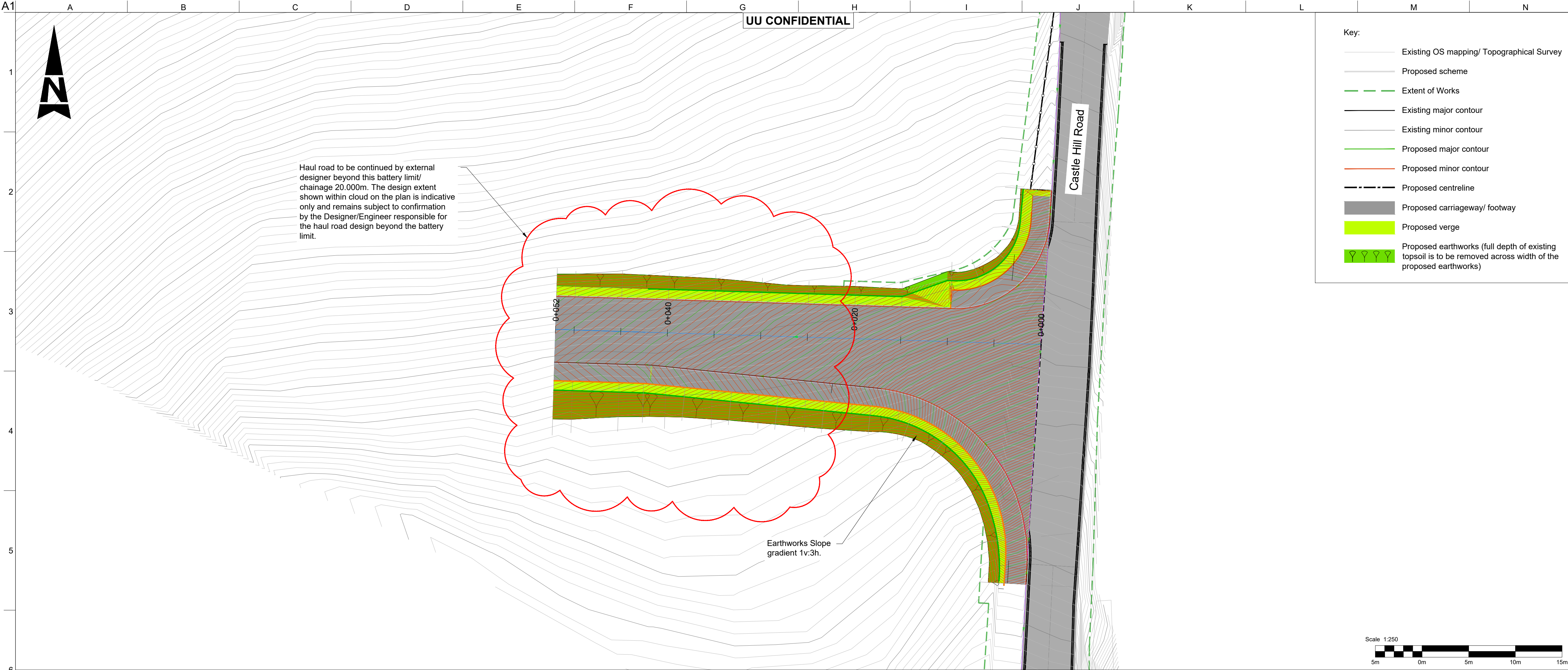
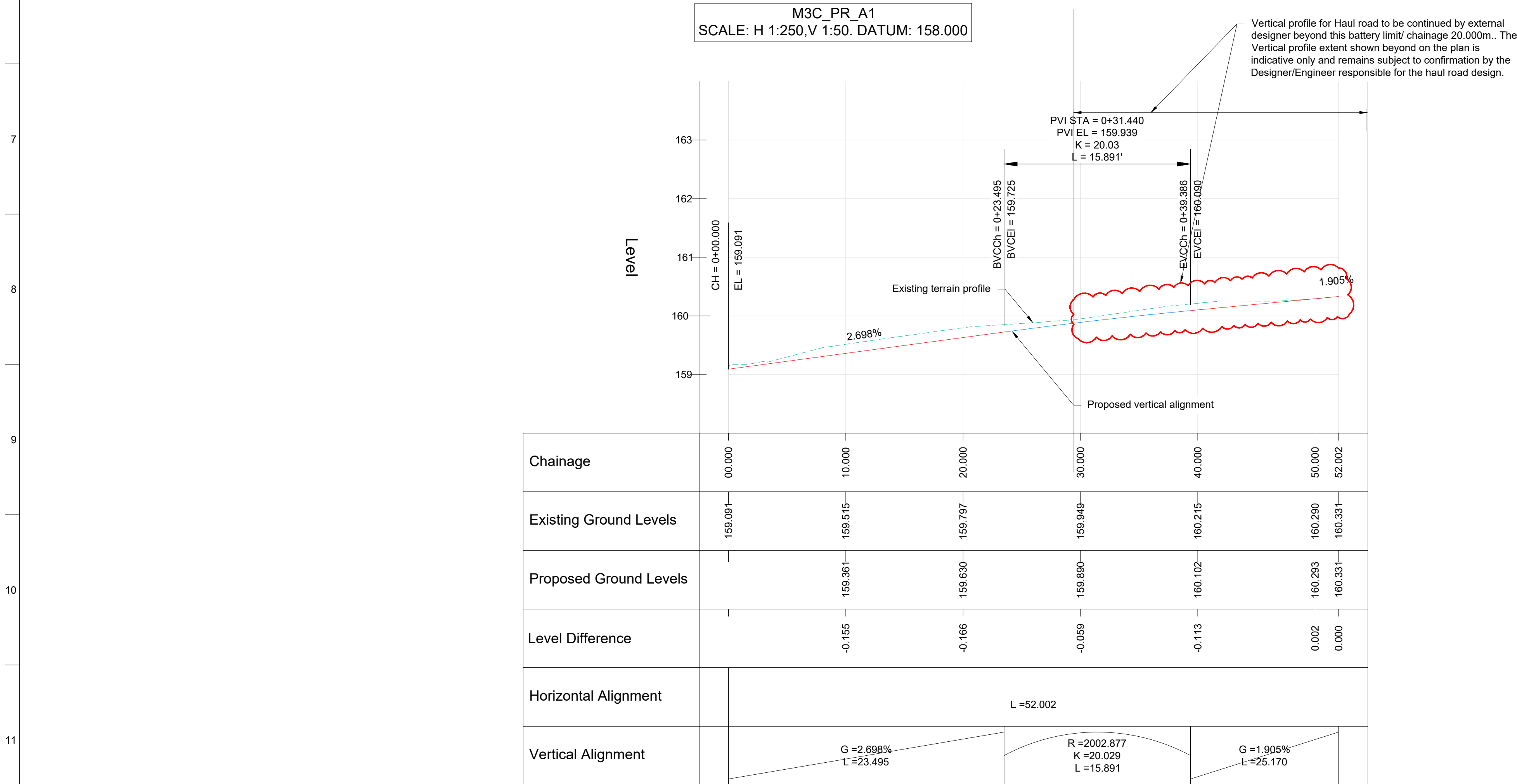




- Notes:
- All dimensions are in Metres unless noted otherwise. All levels are in Metres above Ordnance Survey Datum.
 - Layout is based on Topographical Survey drawings HARP-SUR-78100MCLS-04-2D-000002-P01 by Survey Solutions dated September 2025 and 80061155-STB-HAHWH-96-DR-B-00001 received from Strabag dated April 2026, and Ordnance Survey mapping (license number AC0000863376).
 - For General Arrangement, refer to drawing 80061155-ARP-HAHWH-NA-DR-H-00001.
 - Earthworks details to be read in conjunction with Series 600 specification and Project Specific Appendices 80061155-ARP-HAHWH-NA-SP-H-00009.
 - This drawing does not provide temporary works details, which are to be designed by the Contractor. Temporary works may impact on the construction sequence and may include restrictions on the extent of excavated face to be opened up at any one time and the time between excavation and backfilling.
 - Prior to commencement of works the Contractor shall determine the position of all services. All services are to be adequately protected during works.
 - Full depth of existing topsoil is to be removed across width of proposed earthworks.
 - Existing slope is to be benched prior to placement of fill.
 - Earthwork formations to be inspected and tested prior to subsequent filling in accordance with the SHW Series 600 Specification and Project Specific Appendices 80061155-ARP-HAHWH-NA-SP-H-00009.
 - A CBR of 5% has been assumed at pavement formation level and has been used for the basis of the pavement design. The CBR at the formation is to be tested by the Contractor on site prior to construction to ensure that the minimum CBR is achieved. For CBR below 2.5%, the existing material shall be removed and replaced with a layer of suitable capping material (6F1 or 6F2) to a depth of 1.0m below the base of the sub-base. A value of 3% CBR is to then be used for the subsequent design of capping and sub-base. Further details of pavement foundation options can be found in Series 0700 of the Specification 80061155-ARP-HAHWH-NA-SP-H-00010.
 - If the excavation extends below groundwater level Class 6A fill is to be placed in accordance with the SHW Series 600 and Project Specific Appendices. Should granular materials be encountered at earthwork formation level, these are to be proof rolled prior placement of fill above.
 - Backfilling of temporary excavations is anticipated to comprise of adjacent subbase materials (e.g., Class 6F2 or Class 6F5 fill), Engineered Class 1, 2A or 2C Fill (or Class 6A beneath water) satisfying the acceptance criteria and placed and compacted in accordance with the SHW Series 600 and Project Specific Appendices are also acceptable.
 - Proposed earthworks slopes are not to exceed a gradient of 1(v) in 3(h).
 - Amenity grass mix Emorsgate EG1 General Purpose Meadow Grass Mixture shall be used on the embankment and road side verges. Sowing rate at 5g/m², refer to Emorsgate's guidelines. Placement and compacting shall be carried out to form an even surface to a minimum 200mm depth of topsoil. (Compacting of the topsoil shall mean treading and raking in several directions. Vibrating compactors should not be used).
 - For typical earthworks cross section refer to drawing 80061155-ARP-HAHWH-NA-DR-H-00019.



ARUP
STRABAG

Keyplan

North

Central

South

NTS

Haweswater Aqueduct Resilience Programme

HWY-S02 Woodgate Hill -
Detailed Design Compound
Access Longitudinal Profile
and Earthworks Details

Scale at A1: 1:250

Author: SR

Checked By: CW

Approved By: AG

Approved Date: 05/06/26

Status
S3 - Suitable for review and comment

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80061155-ARP-HAHWH-NA-DR-H-00008

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