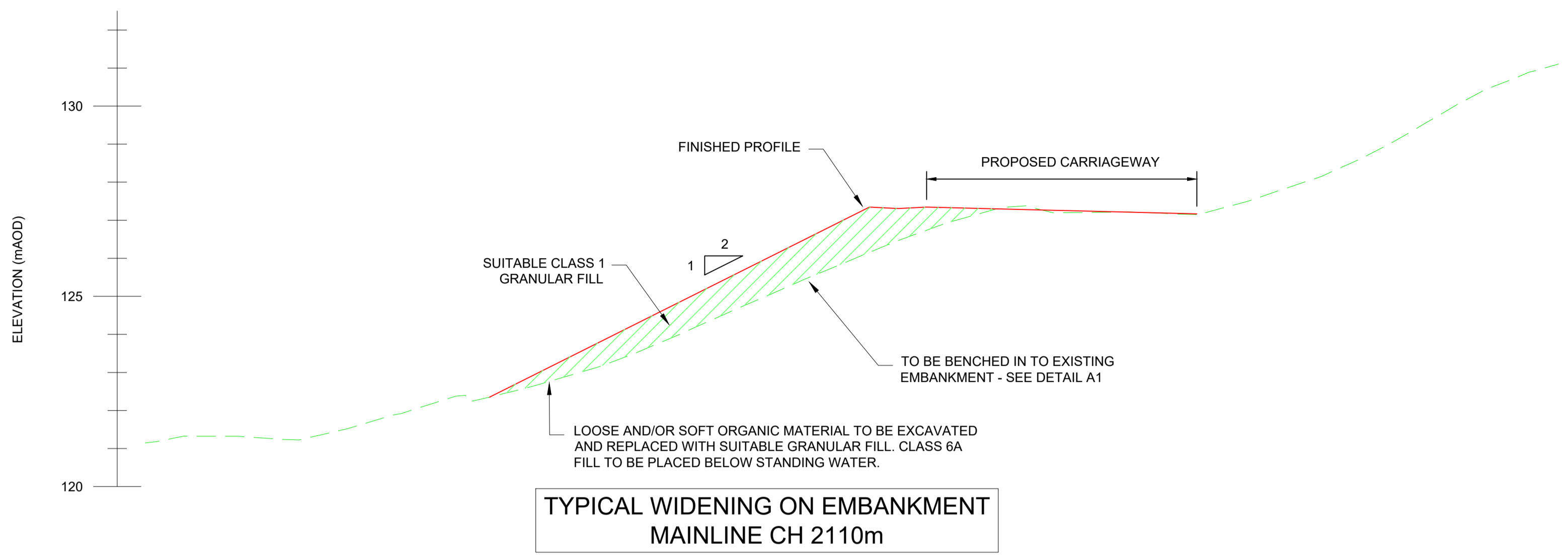
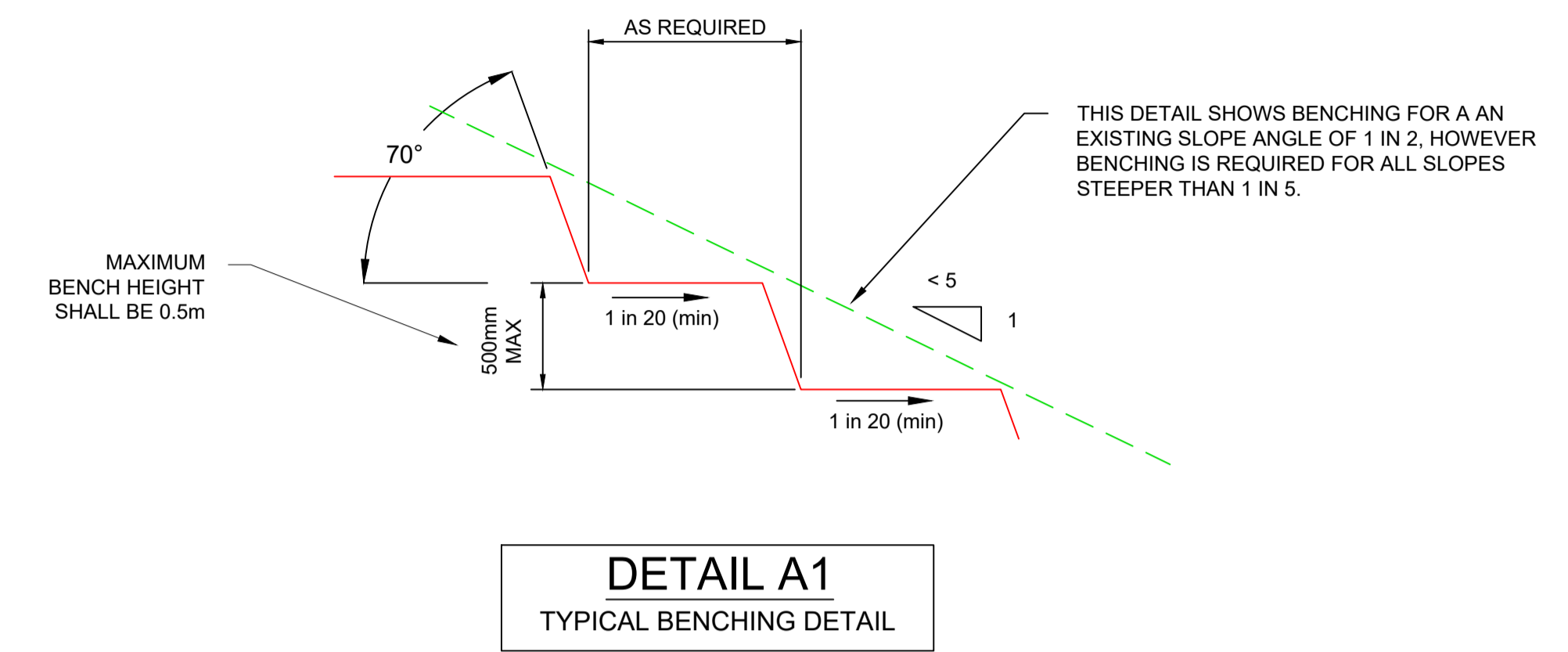


DO NOT SCALE

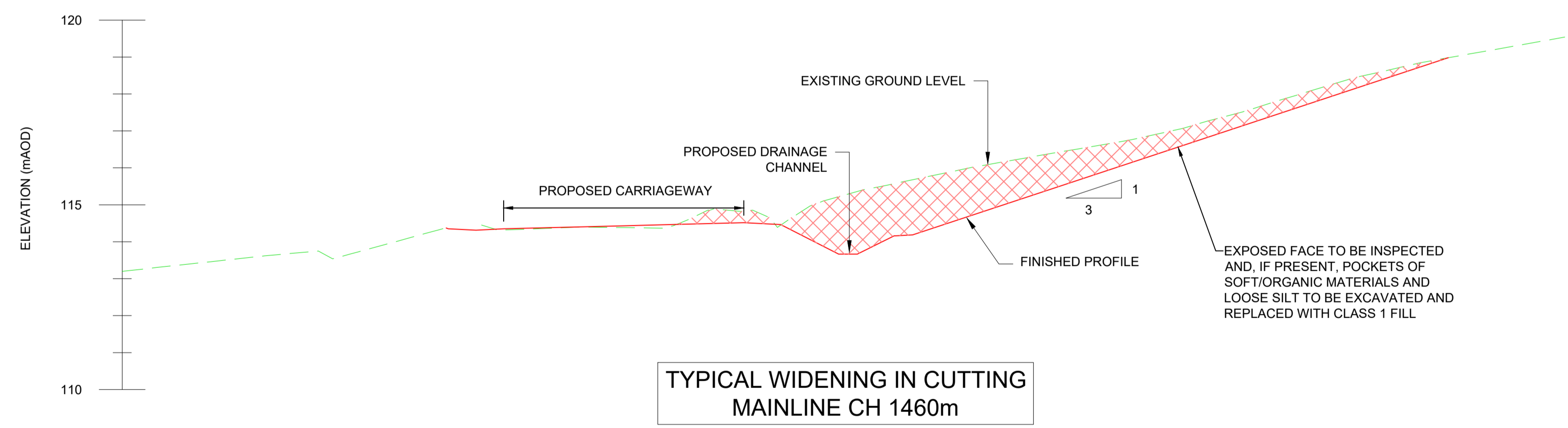
Millimetres



**TYPICAL WIDENING ON EMBANKMENT  
MAINLINE CH 2110m**



**DETAIL A1  
TYPICAL BENCHING DETAIL**



**TYPICAL WIDENING IN CUTTING  
MAINLINE CH 1460m**

- NOTES**
- DO NOT SCALE FROM DRAWING.
  - PROPOSED SECTIONS ARE TYPICAL AND THE PROPOSED HEIGHTS OF THE CUTTINGS AND EMBANKMENTS VARY WITH EXISTING TOPOGRAPHY.
  - EARTHWORKS ASSOCIATED WITH THE TWO-WAY WIDENING WILL HAVE CUT SLOPES OF 1V:3H AND EMBANKMENT SLOPES OF 1V:2H.
  - PROPOSED DRAINAGE, CULVERTS, PAVEMENT AND LANDSCAPE DESIGN IS NOT SHOWN ON THIS DRAWING. DRAWING TO BE READ WITH SUPPORTING EIA/AR FIGURES.
  - FINISHED GROUND PROFILES AND FILL INTERFACES SHOWN INDICATIVELY. FILL ON EXISTING SLOPES WILL REQUIRE BENCHING WHERE STEEPER THAN 1:5.
  - AN OBSERVATIONAL APPROACH IS TO BE ADOPTED FOR EXPOSED CUTTING FACES. IF PERSISTENT SEEPAGES OR FLOWS ARE OBSERVED DRAINAGE SHALL BE INSTALLED AS AGREED WITH THE DESIGNER'S GEOTECHNICAL ENGINEER.

**KEY:**

|  |                         |
|--|-------------------------|
|  | PROPOSED DESIGN PROFILE |
|  | EXISTING GROUND PROFILE |
|  | CUT MATERIAL            |
|  | SUITABLE GRANULAR FILL  |

|             |          |       |         |          |            |            |        |                               |  |
|-------------|----------|-------|---------|----------|------------|------------|--------|-------------------------------|--|
| Description |          |       |         |          |            |            | Status | Drawing Suitability           |  |
| Status      | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date | A3     | AUTHORISED & ACCEPTED-STAGE 3 |  |
| Description |          |       |         |          |            |            | Status | Drawing Suitability           |  |
| Status      | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |        |                               |  |
| Description |          |       |         |          |            |            | Status | Drawing Suitability           |  |
| Status      | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |        |                               |  |
| Description |          |       |         |          |            |            | Status | Drawing Suitability           |  |
| Status      | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |        |                               |  |
| Description |          |       |         |          |            |            | Status | Drawing Suitability           |  |
| Status      | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |        |                               |  |
| Description |          |       |         |          |            |            | Status | Drawing Suitability           |  |
| Status      | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |        |                               |  |

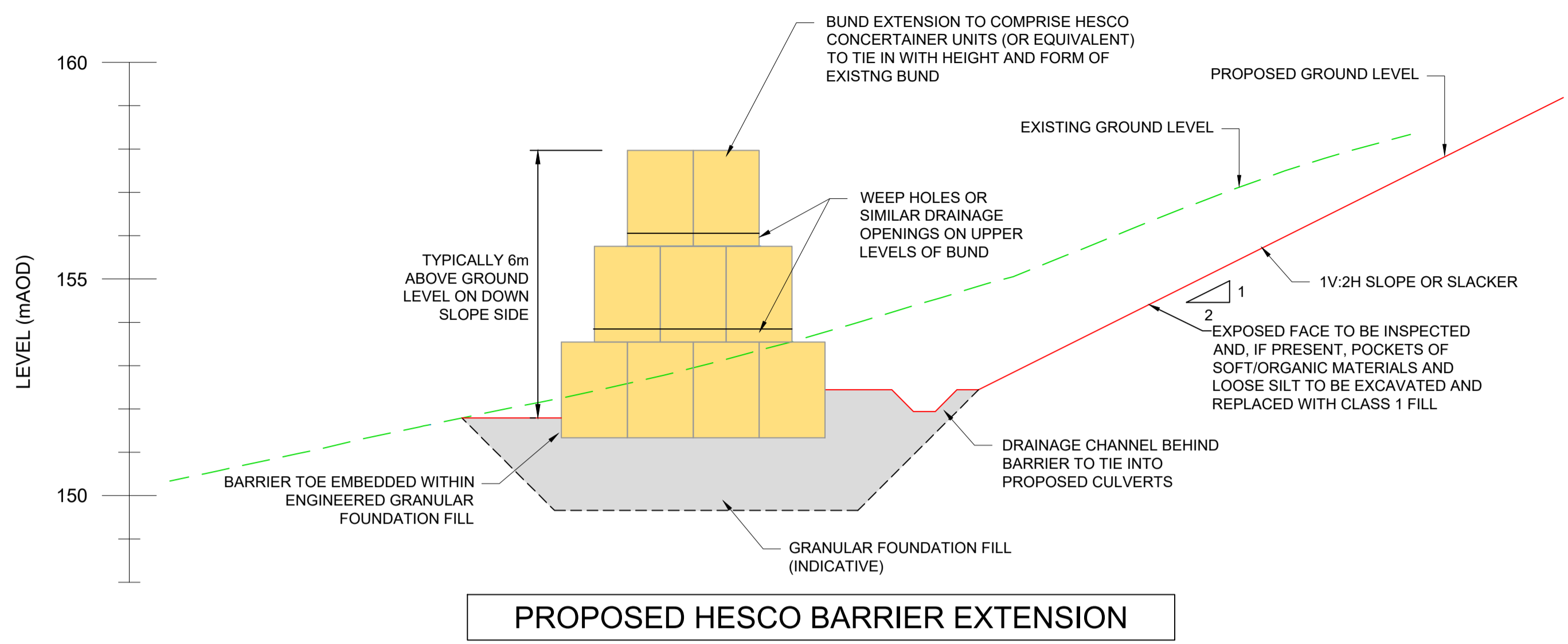
**AtkinsRéalis**

**TRANSPORT SCOTLAND**  
COMHDHAIL ALBA

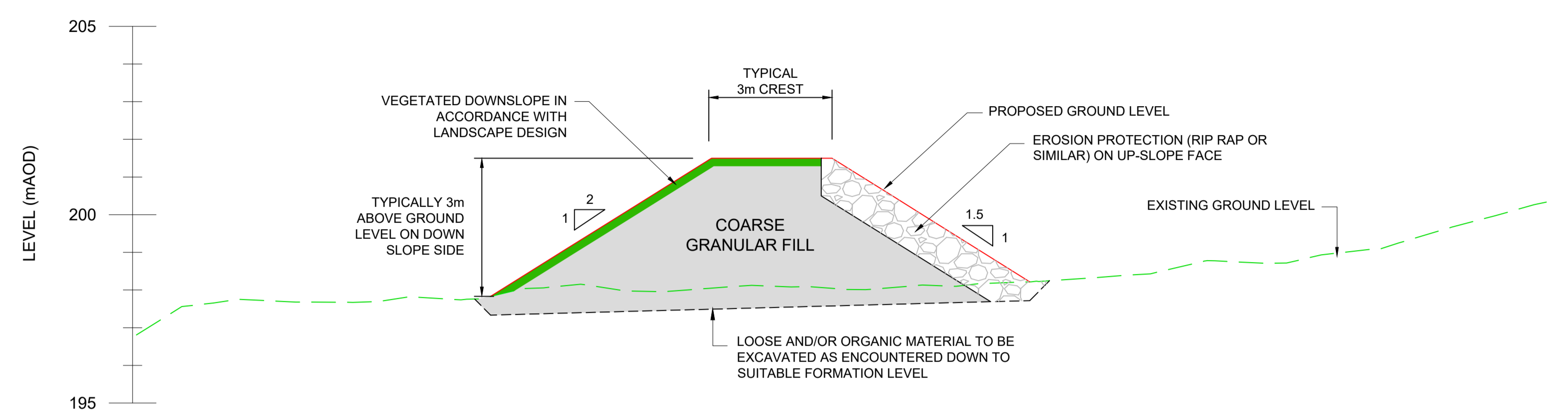
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|-----------------------------|--|------------------|-------------|
| Project Stage / Design File | DMRB Stage 3   | State            | Preliminary |
| Project Title               | A83 Rest and Be Thankful   |                  |             |
| Drawing Title               | MTS EIA/AR, FIGURE 4.5A<br>TWO WAY WIDENING<br>EARTHWORK DETAILS |                  |             |
| Drawing Number              | Project  | Originator       | Volume      |
| A83AAB                      | - AWJ  | - HGT            | -           |
| MTS_GEN                     | - DR-GE  | - 000008         |             |
| Location                    | Type   | Role             | Number      |
| Original Size               | Scale  | Project Ref. No. | Sheet       |
| A1                          | 1:100  | 6204594          | 1 of 1      |
|                             |  |                  | Rev. C01    |

DO NOT SCALE

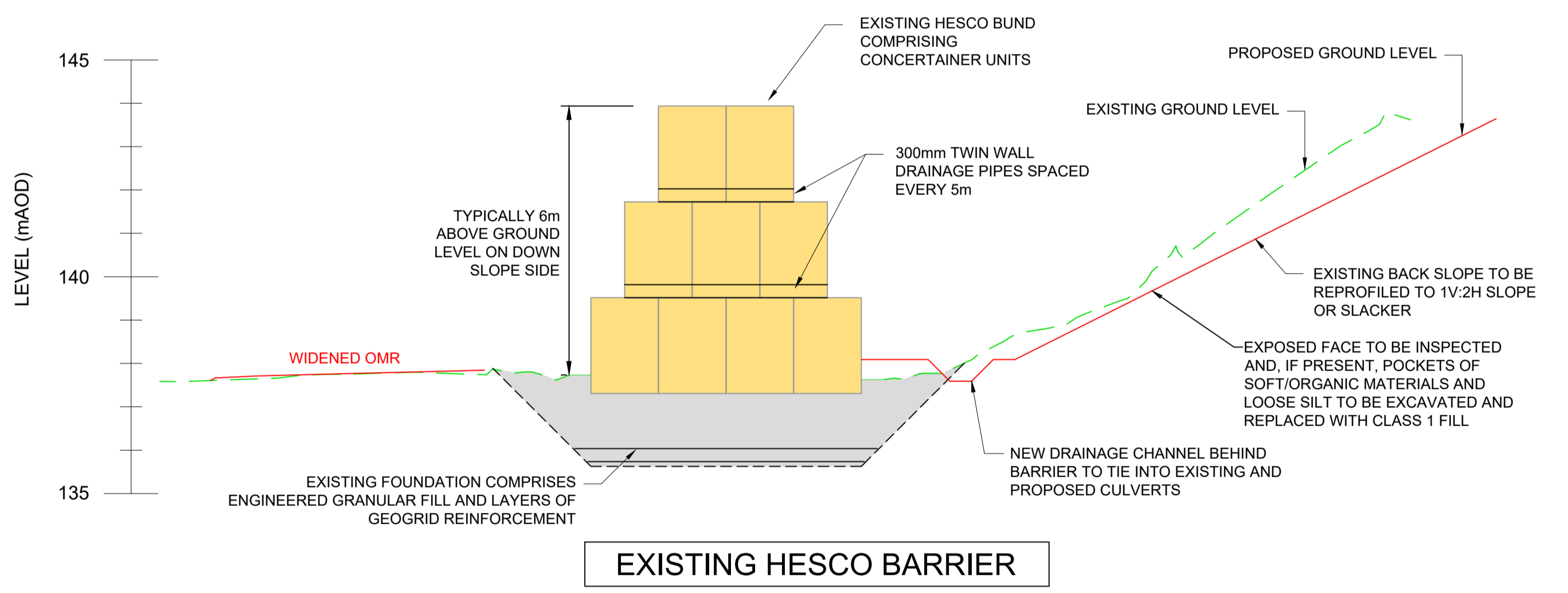
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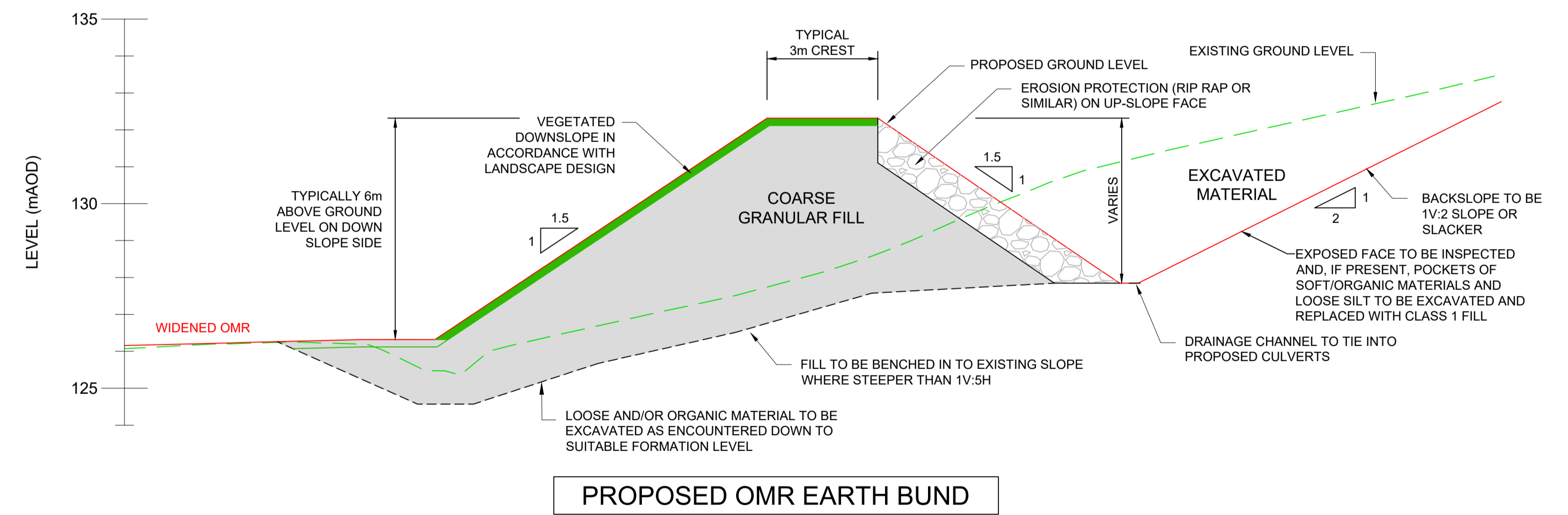
**PROPOSED HESCO BARRIER EXTENSION**



**PROPOSED QUARRY EARTH BUND**



**EXISTING HESCO BARRIER**



**PROPOSED OMR EARTH BUND**

- NOTES**
- DO NOT SCALE FROM DRAWING.
  - PROPOSED SECTIONS ARE TYPICAL AND THE PROPOSED BARRIERS AND BUNDS MAY VARY IN FORM AND GEOMETRY TO ACCOMMODATE VARIANCES IN EXISTING TOPOGRAPHY.
  - PROPOSED DRAINAGE, CULVERTS, PAVEMENT AND LANDSCAPE DESIGN IS NOT SHOWN ON THIS DRAWING. DRAWING TO BE READ WITH SUPPORTING EIA/R FIGURES.
  - FORM OF EXISTING HESCO BARRIER BASED ON AVAILABLE AS-BUILT DRAWINGS. EXISTING HESCO BARRIER COMPRISES HESCO CONCERTAINER UNITS WHICH MAY REQUIRE LOCALISED REPLACEMENT WITH HESCO UNITS (OR EQUIVALENT) TO FACILITATE EARTHWORKS AND DRAINAGE CONSTRUCTION AS PART OF THE MTS SCHEME. EXTENTS OF REMOVAL AND REPLACEMENT WHICH MAY BE REQUIRED IS TO BE CONFIRMED PRIOR TO CONSTRUCTION.
  - FINISHED GROUND PROFILES ARE INDICATIVE. FILL ON EXISTING SLOPES WILL REQUIRE BENCHING WHERE STEEPER THAN 1:5.
  - PROPOSED FOUNDATIONS ARE SHOWN INDICATIVELY.
  - CULVERTS PROPOSED THROUGH EXISTING AND PROPOSED HESCO BARRIERS AND THROUGH QUARRY AND OMR BUND. FOR LOCATION DETAILS SEE GENERAL ARRANGEMENT FIGURE 4.2B.
  - AN OBSERVATIONAL APPROACH IS TO BE ADOPTED FOR EXPOSED CUTTING FACES. IF PERSISTENT SEEPAGES OR FLOWS ARE OBSERVED DRAINAGE SHALL BE INSTALLED AS AGREED WITH THE DESIGNER'S GEOTECHNICAL ENGINEER.

**KEY:**

|  |                          |
|--|--------------------------|
|  | EXISTING GROUND LEVEL    |
|  | PROPOSED GROUND LEVEL    |
|  | HESCO (OR SIMILAR) UNITS |
|  | SUITABLE GRANULAR FILL   |
|  | EROSION PROTECTION       |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
|-------------|--------|----------|-------|---------|----------|------------|------------|
| EIAR        | A3     | C01      | HB    | GM      | HR       | RHG        | 02/10/24   |

Status: **A3** Drawing Suitability: **AUTHORISED & ACCEPTED-STAGE 3**

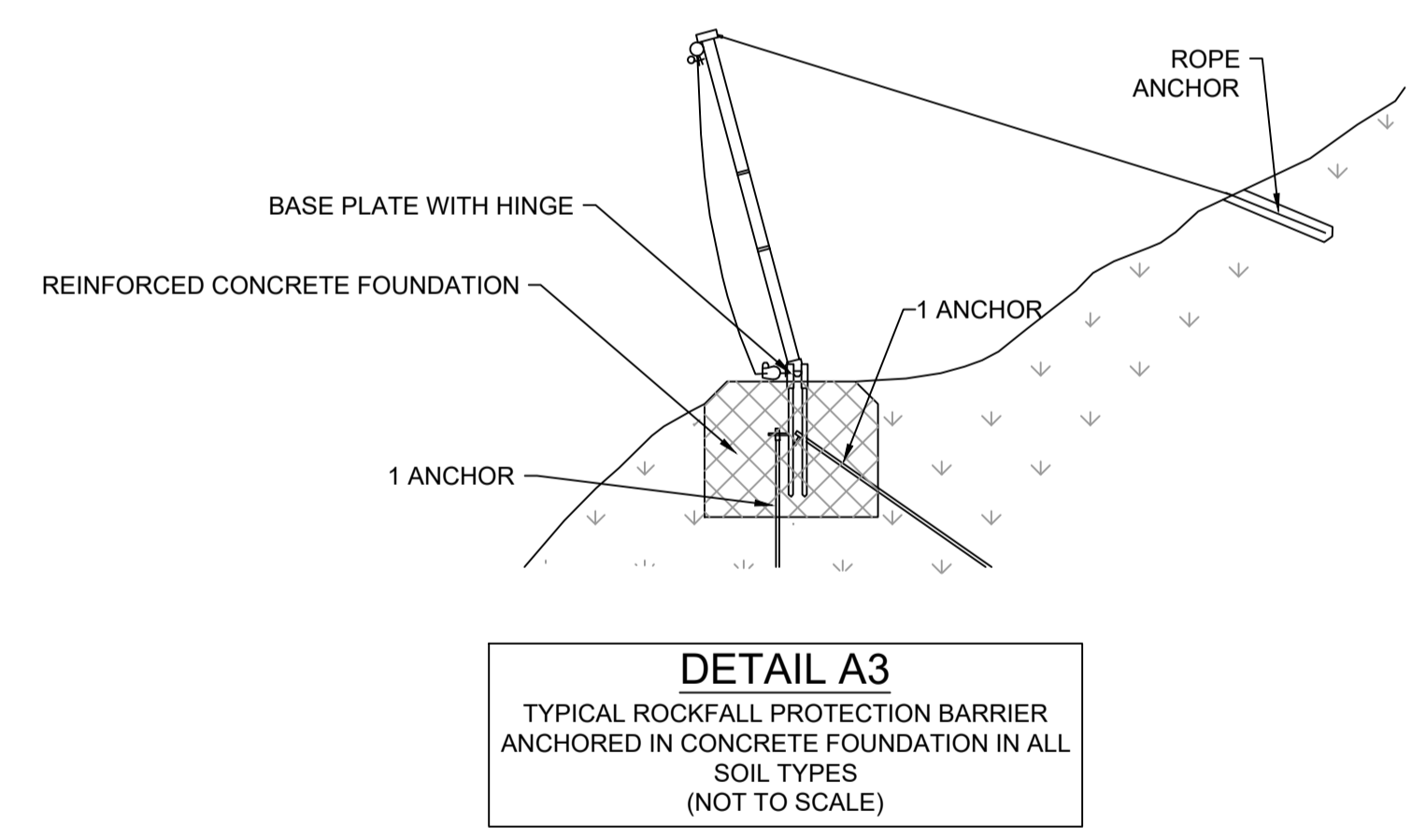
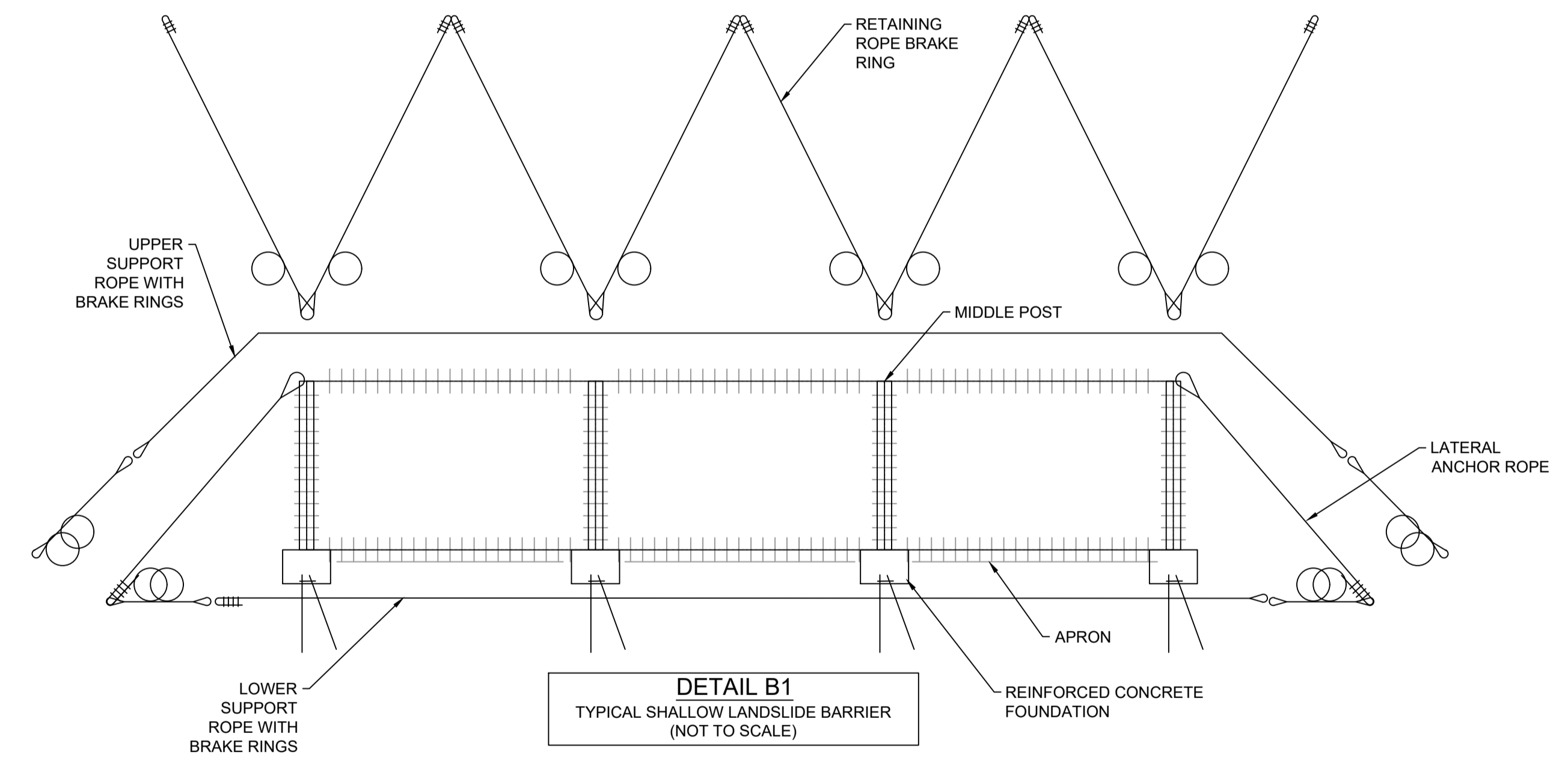
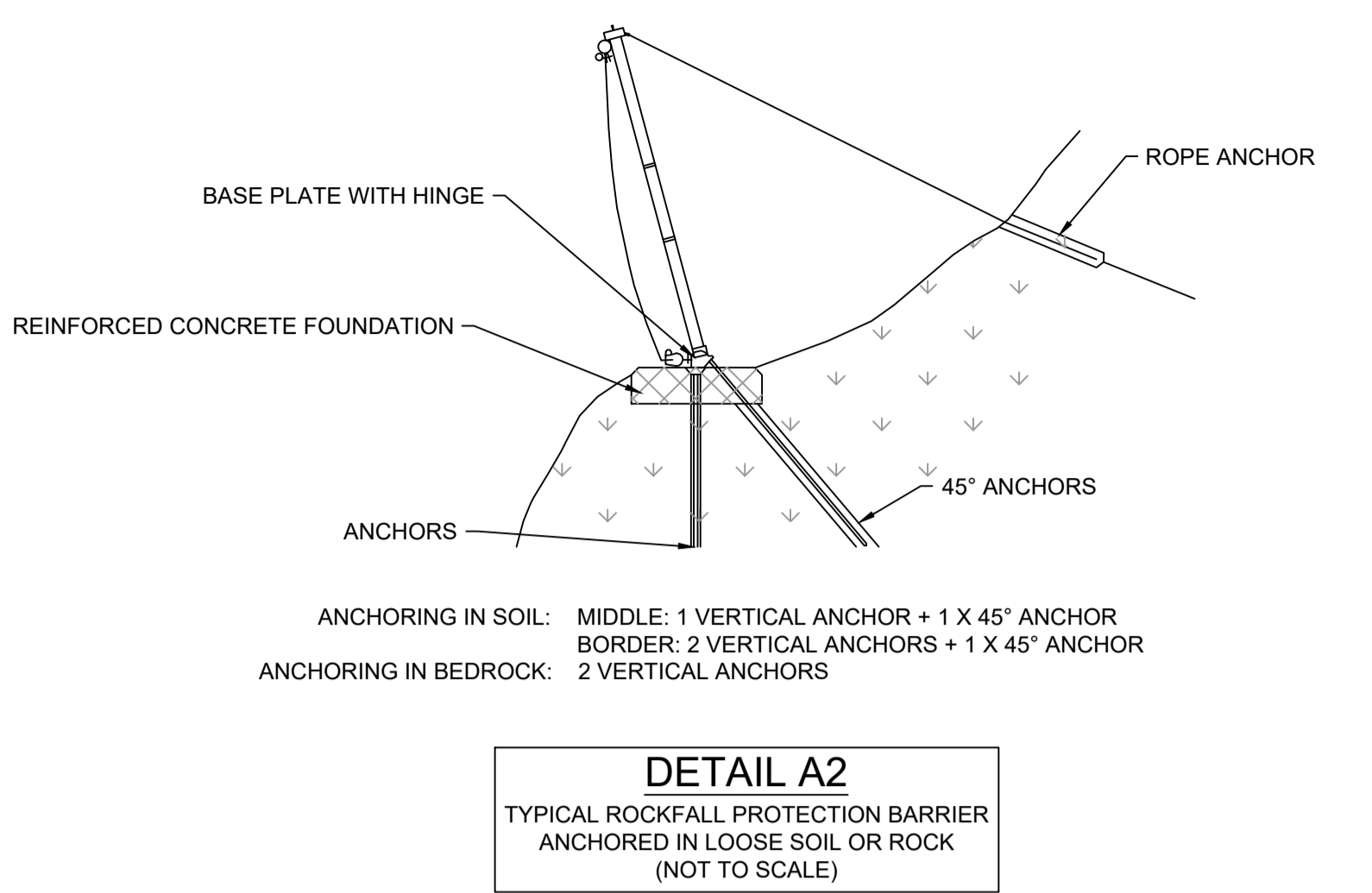
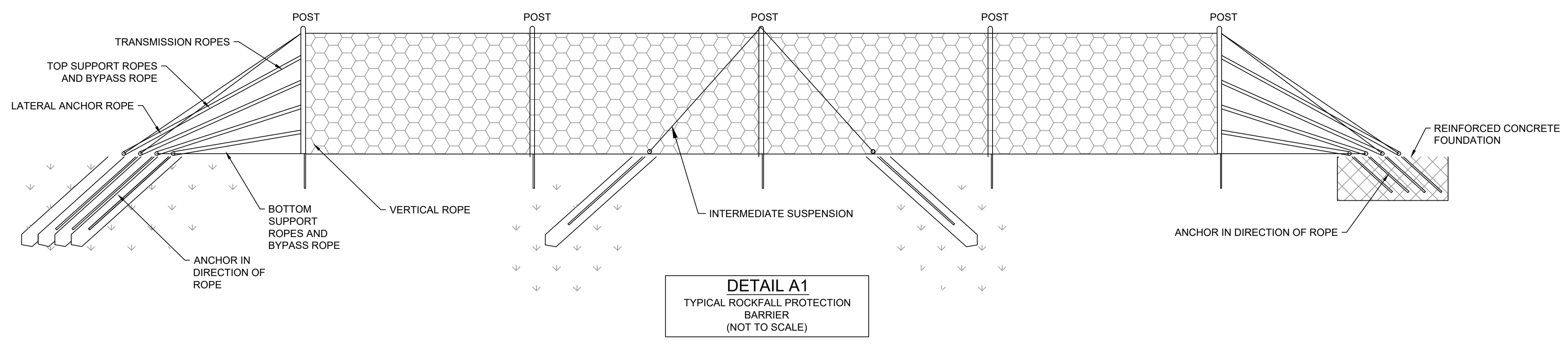
**AtkinsRéalis WSP**

Client: **TRANSPORT SCOTLAND COMHDHAIL ALBA**

|  |                                   |
|--|-----------------------------------|
| Project Stage / Design File: <b>DMRB Stage 3</b>                                 | State: <b>Preliminary</b>         |
| Project Title: <b>A83 Rest and Be Thankful</b>                                   |                                   |
| Drawing Title: <b>MTS EIAR, FIGURE 4.5B HESCO BARRIER AND EARTH BUND DETAILS</b> |                                   |
| Drawing Number: <b>A83AAB</b>  | Originator: <b>AWJ</b>            |
| Project: <b>MTS_GEN</b>  | Volume: <b>HGT - DR-GE-000009</b> |
| Location: <b>MTS_GEN</b>   | Type: <b>DR-GE</b>                |
| Original Size: <b>A1</b>   | Scale: <b>1:100</b>               |
| Project Ref. No.: <b>6204594</b>   | Sheet: <b>1 of 1</b>              |
| Rev: <b>C01</b>  |                                   |

DO NOT SCALE

Millimetres  
0 10 100



- NOTES**
- DO NOT SCALE FROM DRAWING
  - FLEXIBLE BARRIERS ARE REQUIRED AT THE LOCATIONS INDICATED IN THE GENERAL ARRANGEMENT FIGURE 4.2B
  - THE FLEXIBLE BARRIERS SHOWN IN THIS DRAWING REPRESENT TYPICAL FLEXIBLE BARRIER SOLUTIONS THAT MAY FULFIL THE PROPOSED BARRIER REQUIREMENTS. THEY DO NOT REPRESENT DESIGN PROPOSALS.
  - THE FLEXIBLE BARRIERS SHALL BE DESIGNED BY OTHERS.

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
|-------------|--------|----------|-------|---------|----------|------------|------------|
| EIAR        | A3     | C01      | HB    | GM      | HR       | RHG        | 02/10/24   |

Status: **A3** Drawing Suitability: **AUTHORISED & ACCEPTED-STAGE 3**

**AtkinsRéalis**

Client: **TRANSPORT SCOTLAND**  
COMHDHAIL ALBA

|                              |  |             |              |
|------------------------------|--|-------------|--------------|
| Project Stage / Design File: | DMRB Stage 3                                   | Status:     | Preliminary  |
| Project Title:               | A83 Rest and Be Thankful                       |             |              |
| Drawing Title:               | MTS EIAR, FIGURE 4.5C FLEXIBLE BARRIER DETAILS |             |              |
| Drawing Number:              | A83AAB   | Originator: | AWJ - HGT -  |
| Project:                     | MTS_GEN  | Role:       | DR-GE-000010 |
| Location:                    |  | Type:       |              |
| Original Size:               | A1   | Scale:      | NTS          |
| Project Ref. No.:            | 6204594  | Sheet:      | 1 of 1       |
|                              |  | Rev:        | C01          |