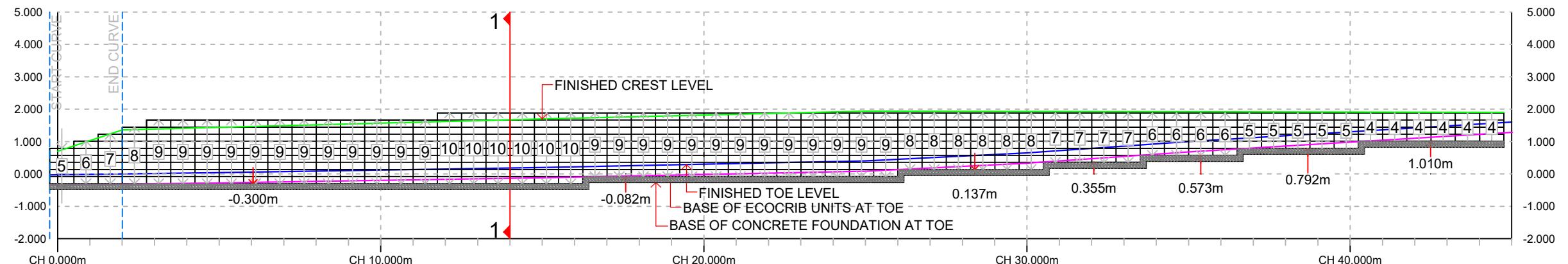


## WALL ELEVATION

1:150

Notes:  
1) DIMENSIONS Dimensions in mms unless specified.2) ECOCRIB/ GEGRID SPECIFICATION:  
Wall to be constructed using ECO44 Ecocrib components in accordance with Technical Data Sheet Ref: DS10-5187-01 (31.03.11).

3) INSTALLATION: Refer to manufacturer's guidelines

4) INFILL FOR ECOCRIB: 40-75mm stone.

5) BACKFILL TO ECOCRIB:  
The backfill shall comprise selected compacted granular fill material, to the standards of Class 6N fill in SFHW Series 600. This material is assumed to have the following characteristics: Effective angle of internal friction = 35 degrees, Density = 18 kN/m<sup>3</sup> and c' = 0kPa, compacted to a minimum of 95% maximum dry density in accordance with SFHW Series 600. The 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/calculations.6) FOUNDATION FOR ECOCRIB WALL:  
No site investigation has been received. **Intrusive investigation of the soils present at and below formation level must be undertaken by a geotechnical engineer prior to construction, with the results forwarded to Geoman Ltd. for review.**It is assumed that formation level of the Ecocrib will be on original medium-dense/firm-stiff stratum. A minimum safe bearing resistance of 75kN/m<sup>2</sup> must be confirmed by the Principal Contractor prior to construction (through plate bearing tests at formation level). Any soft/ low strength, loose or unsuitable material (such as made ground, peat or alluvium) present at or below formation level must be excavated down to competent bearing stratum and be replaced with compacted Class 6F2 granular fill.

Minimum embedment to the top of the concrete to be maintained at 0.2m below finished ground level and 0.5m to the base of the concrete foundation.

The Principal Contractor should confirm the required safe bearing resistance &gt;75kPa is achieved via in-situ testing such as plate load testing at formation level. Plate bearing test must be undertaken at regular intervals (e.g. 20m) along the formation level of the wall to confirm the required bearing capacity is achieved. A minimum 600mm diameter plate should be loaded to at least 200kPa in at least 5 increments. Plate load test carried out to BS1377-9 Incremental load test, C4.1.6.4.2.

7) SITE / IN-SITU SOILS:  
Retained (assumed to be sandy gravelly CLAY or medium dense SAND&GRAVEL); this material is assumed to have the following minimum properties:  
 $\varphi' = 28^\circ$ ,  $\gamma = 20kN/m^3$  and  $c' = 0kPa$ .Foundation (assumed to be original sandy gravelly CLAY or medium dense SAND&GRAVEL); this material is assumed to have the following minimum properties:  
 $\varphi' = 30^\circ$ ,  $\gamma = 20kN/m^3$  and  $c' = 0kPa$ .

The Principal Contractor is responsible for ensuring the in-situ soils comply with the geotechnical characteristics as shown on the relevant drawings and in the design calculations.

8) PEDESTRIAN FENCE/ VEHICLE BARRIER:  
No wind or impact loads from any pedestrian or vehicle barrier were assumed to act at the crest of the wall. The barrier requirements are to be determined by others, and it is assumed that any wind and impact loads will be fully accommodated by the barrier base (designed by others).

9) All wall geometry, setting out and required offsets to be confirmed by the Principal Contractor and/or Client's Consulting Engineer prior to construction. The Principal Contractor and/or Client's Consulting Engineer must also confirm the locations of all services prior to construction and ensure that none will be affected by the Ecocrib and its installation.

## FOR APPROVAL

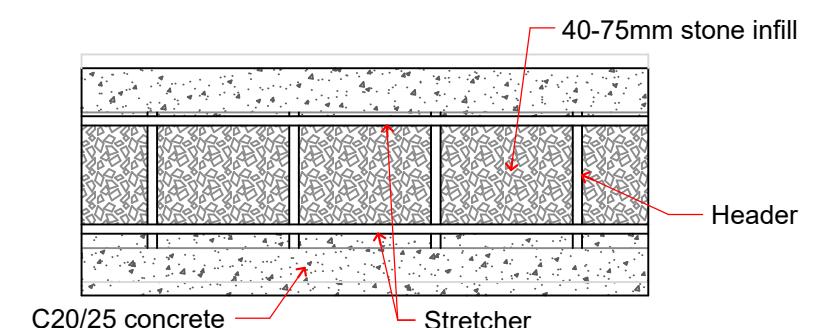
|                   |             |          |
|-------------------|-------------|----------|
| Rev. 0            | RC          | 09.05.23 |
| Issue / Revision: | Drawn Date: |          |

Project Title:  
**GRIMBERGEN**

Client:

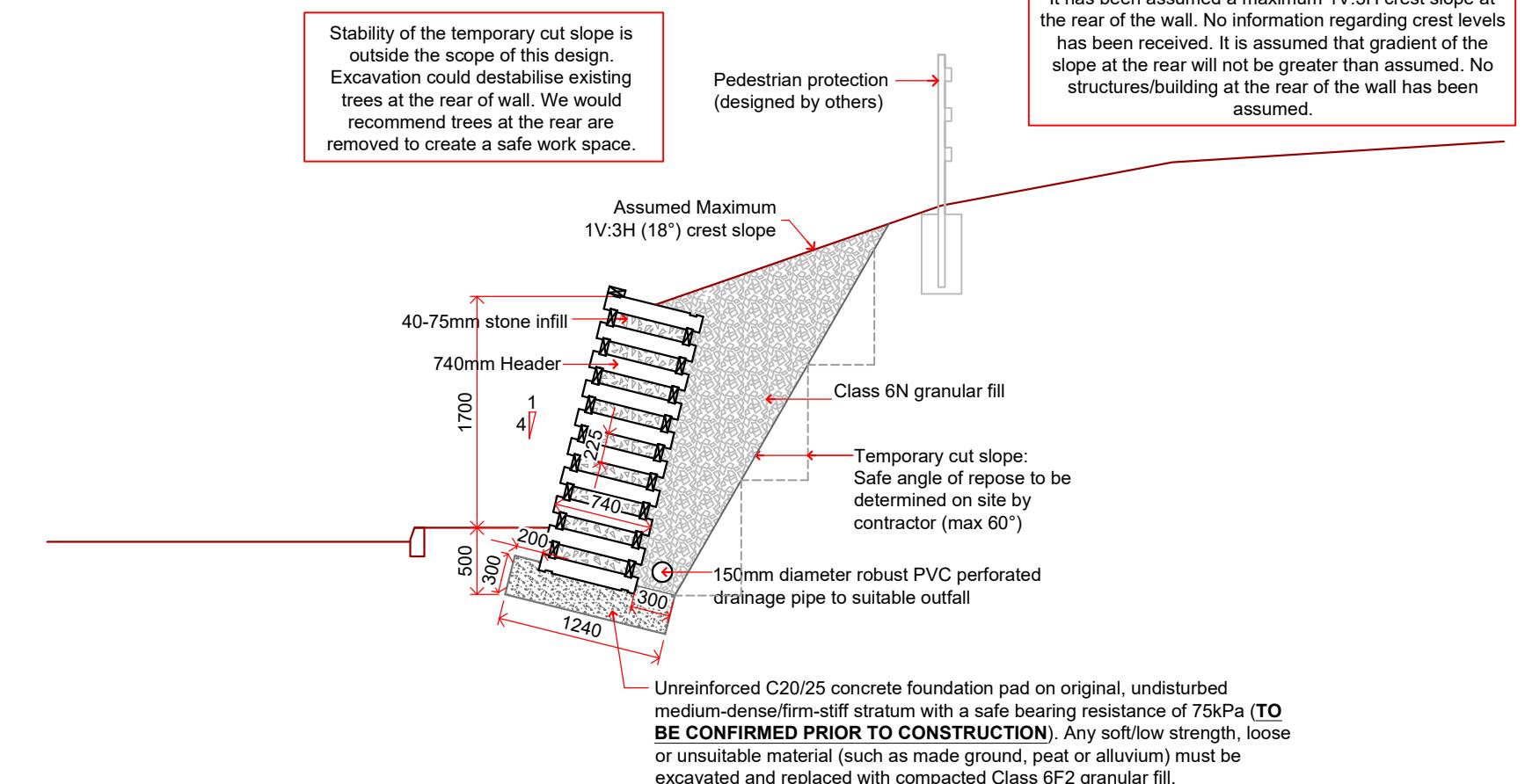
Drawing Title:  
**ECOCRIB RETAINING WALL**

|                          |           |                           |
|--------------------------|-----------|---------------------------|
| Designed:                | Date: N/A | Project No: 23-5429       |
| Drawn:                   | RC        | Date: 09.05.23            |
| Checked:                 | Date:     | Scale: AS INDICATED AT A3 |
| Drawing No: SK23-5429-01 |           | Revision: 0               |



## SECTION 1-1

1:50



## FOUNDATION DETAIL

1:50