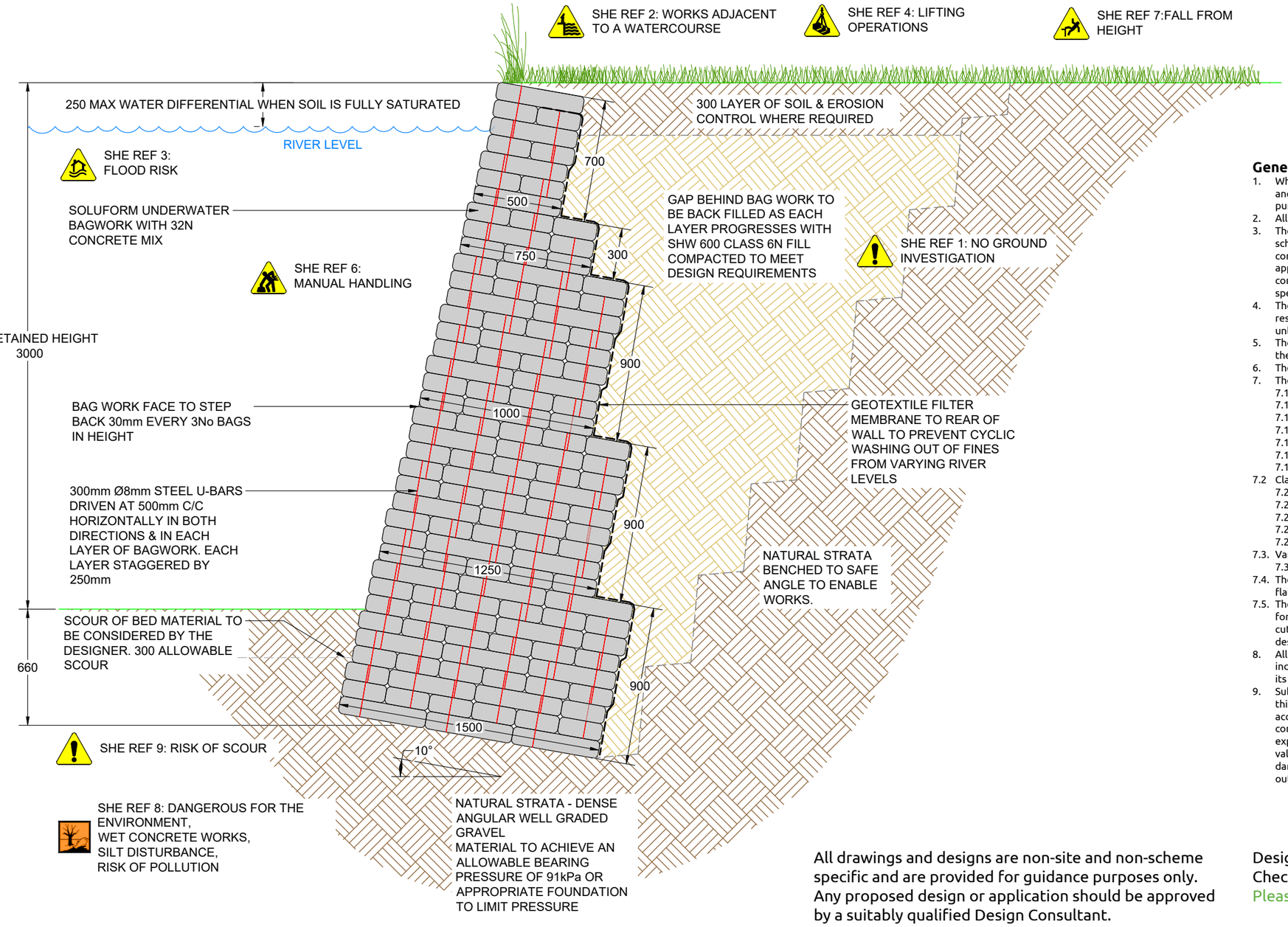
Standard Concrete Bagwork Wall Design

Simple Walls and Slopes

3m Retaining Wall with Near Vertical Face

River application (Not to scale)



General Notes

1. Whilst great efforts have been made to include accurate information in this drawing and accompanying notes, they are provided for general and indicative information purposes only.
2. All dimensions shown are in millimetres unless otherwise stated.
3. The suitability of the typical arrangement shown is to be verified by the responsible scheme designer and/or project owner and should be adjusted for site specific conditions. This drawing and accompany notes are only to be used by an appropriately qualified and experienced civil or structural engineer who should consider various aspects including without limitation these notes below and site specific factors such as presence of water, slope stability, soil bearing capacity etc.
4. The details shown on this drawing assume no retained water. If ground conditions result in the possibility of a build-up of groundwater then the details are not valid unless measures are taken to prevent this.
5. The details shown on this drawing are valid only within the parameters set down on the drawing and in the accompanying notes.
6. The electronic model of this drawing is not to be used for setting out.
7. The typical arrangement shown has been designed assuming the following:
   - 7.1. Natural Soil Parameters
   - 7.1.1. Bulk Weight Density; 19kN/m³
   - 7.1.2. Saturated Weight Density; 21kN/m³
   - 7.1.3. Cohesion; neglected
   - 7.1.4. Effective Angle of Internal Friction; 34°D
   - 7.1.5. Angle of Friction Structure-Soil; 17°D
   - 7.1.6. Water Table; No water table.
   - 7.2 Class 6N engineering fill parameters
   - 7.2.1. Bulk Weight Density; 19kN/m³
   - 7.2.2. Saturated Weight Density; 21kN/m³
   - 7.2.3. Cohesion; Cohesionless
   - 7.2.4. Effective Angle of Internal Friction; 34°D
   - 7.2.5. Angle of Friction Structure-Soil; 17°D
   - 7.3. Variable Actions
   - 7.3.1. Surcharge; 2.5kN/m²
   - 7.4. The angle of the ground in front and behind the retaining wall is assumed to be flat, at zero degrees.
   - 7.5. The condition of the existing soil is assumed to not cause risk of slip circles forming around the retaining wall. The designer should consider the forming of the cut face of the existing soil and any other area of weakness on site and adjust the design accordingly.
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All drawings and designs are non-site and non-scheme specific and are provided for guidance purposes only. Any proposed design or application should be approved by a suitably qualified Design Consultant.

Design Calculations, Risk Assessment and Design Check Statement available upon request

Please email sales@soluform.co.uk for further information

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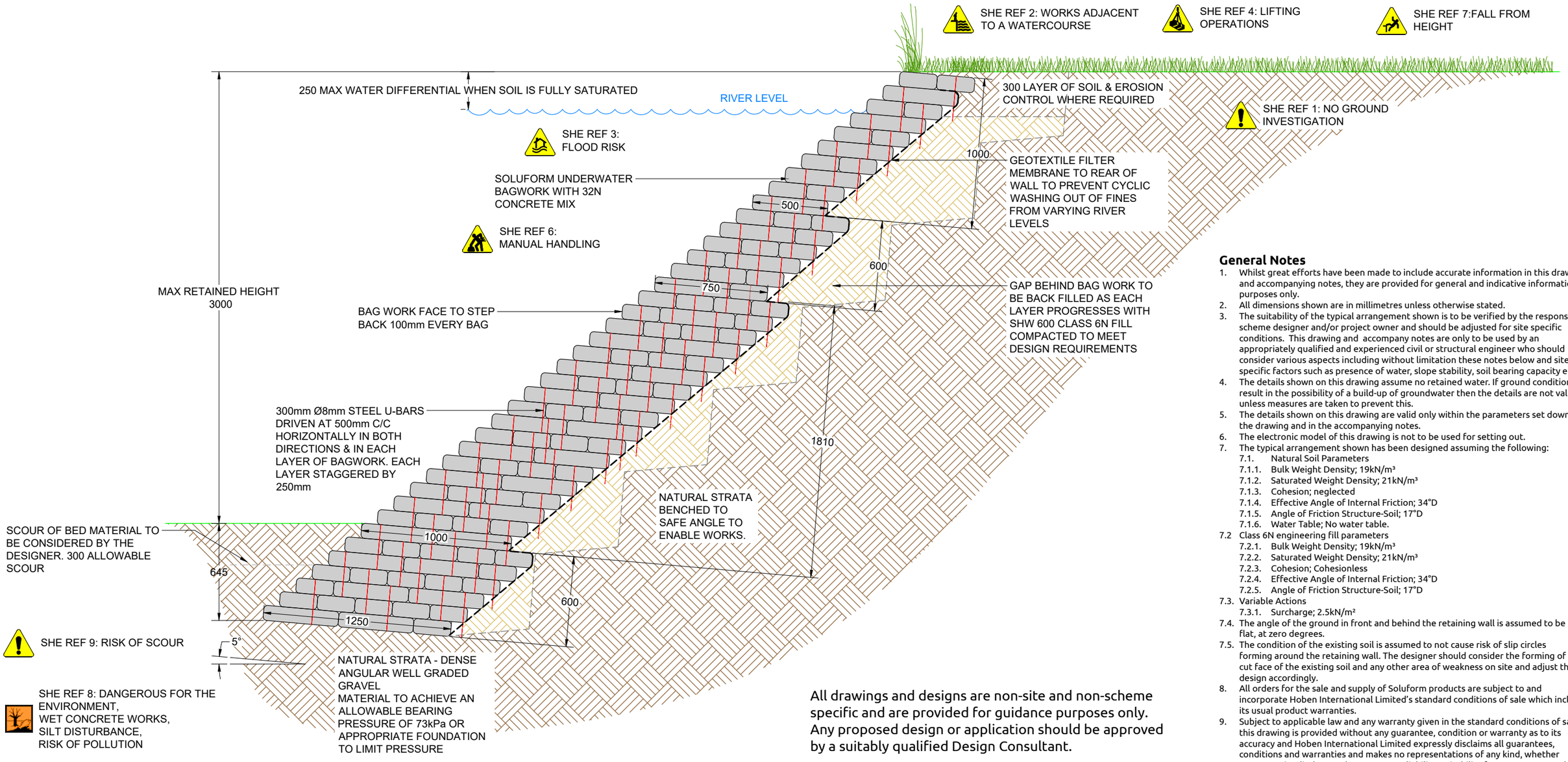
3m Retaining Wall with Inclined Slope

River application (Not to scale)



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