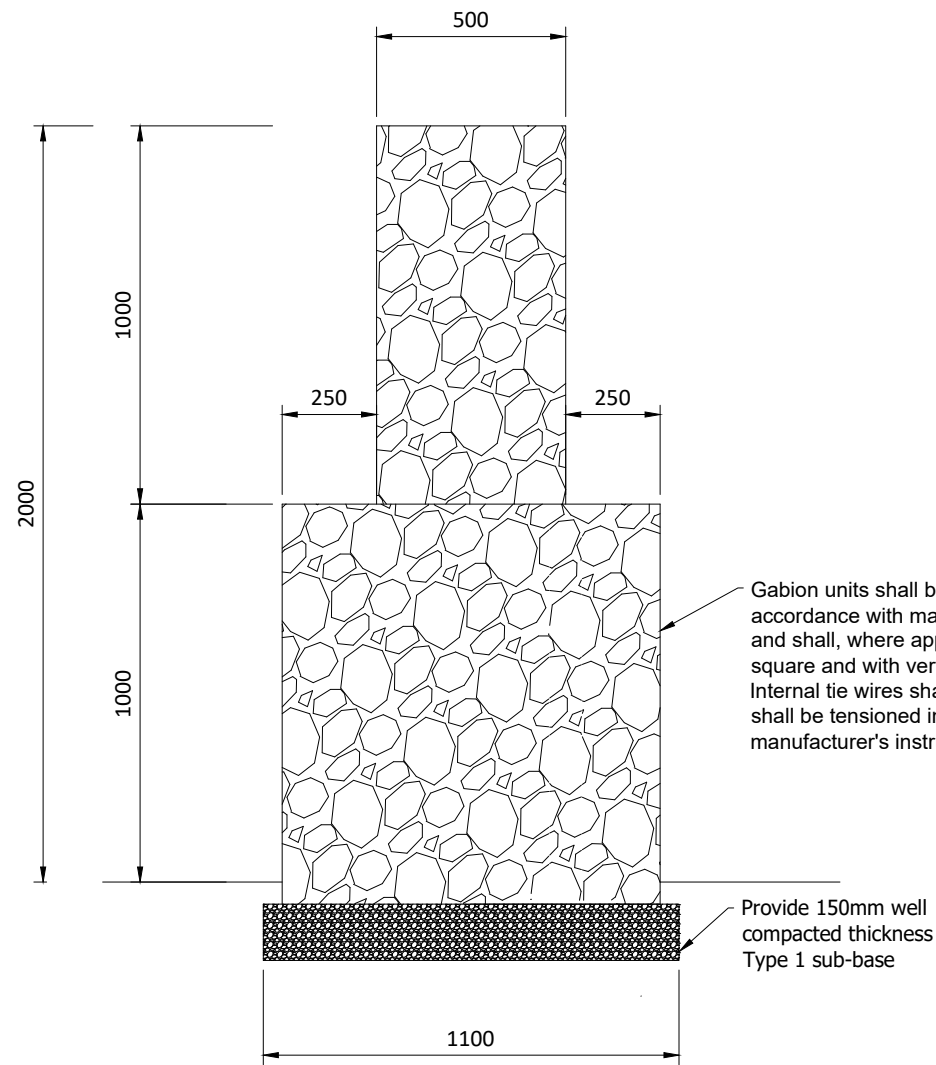
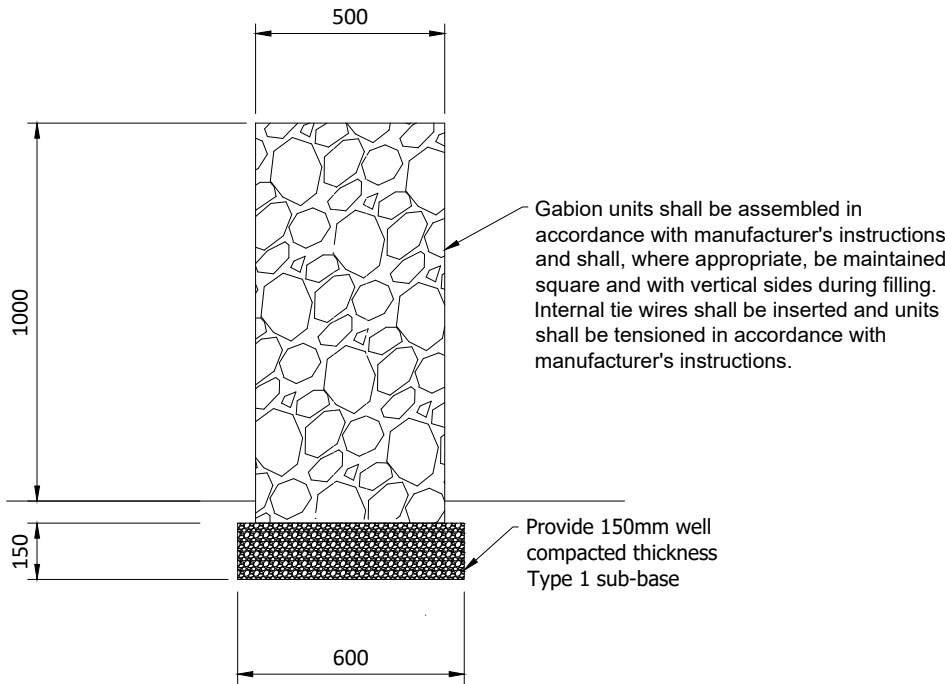




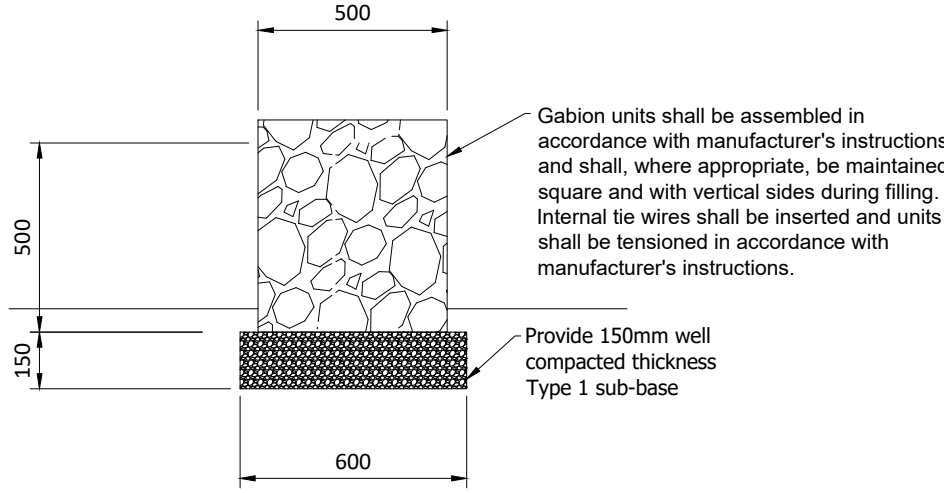
Typical Section - Non retaining 2m high
with at least 2:1 ratio

1:20



Typical Section - Non retaining 1m high
with at least 2:1 ratio

1:20



Typical Section - Non retaining 0.5m high
with at least 2:1 ratio

1:20



GABION WALLS ARE A FLEXIBLE STRUCTURE, AND MAY BE SUBJECT TO SOME MOVEMENT DUE TO GROUND SETTLEMENT AND/OR SEASONAL CHANGES IN SOIL VOLUME. ADJACENT CONSTRUCTION DETAILS SHALL TAKE ACCOUNT OF THIS, INCLUDING THE POSSIBILITY OF PERIODIC REPAIR/REINSTATEMENT WORKS.

NOTES

GENERAL

Do not scale from this drawing.

All dimensions are in millimetres unless noted otherwise.

This drawing is to be used in conjunction with all relevant drawings, specifications, details and the Ground Investigation Report.

All setting out information shall be taken from the Architects drawings.

GABIONS

All services on the area of the works are to be located and clearly marked prior to the works commencing.

Gabions are to be installed in accordance with manufacturer's instructions.

Gabion meshes shall be 3mm diameter and a welded mesh design, with a nominal 75x75mm opening.

All gabion panel intersections are to be laced with wire matching the gabion mesh. All wire shall be galvanized in compliance with BS EN 10244-2 and be coated with a minimum thickness of 0.55 mm of PVC for extruded coatings and 0.25 mm of PVC for bonded coatings. The PVC shall be capable of resisting effects of immersion in sea water, exposure to ultra violet light and abrasion, when tested for a period not less than 3000 hours in accordance with BS 2782:Part 5:Method 540B (ISO 4892).

Internal bracing wires are to be provided to exposed faces. Wire to match gabion mesh. Wire to be Provided at 1/3 and 2/3 gabion height for 1.0m high gabions and 1/2 height for 0.5m high gabions.

Gabion units shall be assembled in accordance with manufacturer's instructions and shall, where appropriate, be maintained square and with vertical sides during filling. Internal tie wires shall be inserted and units shall be tensioned in accordance with manufacturer's instructions.

All gabions shall be wired together with wire complying with BS1052 having a minimum core diameter of 2.0 mm. Horizontal bracing wires at 1/3 height increments are to be fixed and tightened by "Spanish" windlass to prevent bulging.

Gabions shall be sufficiently filled with Class 6G material complying with Table 6/1 of the Highways Agency Specification for Highways Works and any other requirements in Appendix 6/1, with an allowance for consolidation of fill, so as to minimise distortion during construction.

Fill generally shall be a clean regular rock, of 100-200mm size.

The maximum size of fill material shall not exceed two thirds of the minimum dimension of the gabion compartment or 200 mm, whichever is smaller.

Minimum size of fill shall be not less than the size of the mesh opening. Fill material shall have a Los Angeles coefficient not greater than 50.

Fill to the front face of the gabion shall be hand placed to give a high quality tightly finished 'dry stone wall' appearance. Mechanical equipment may only be used for filling gabion units provided that results are equivalent to filling by hand.

Rev.	Date	By	Description
 CONSULTING ENGINEERS [CONSULTING CIVIL & STRUCTURAL ENGINEERS] E: warren@seace.co.uk T: 07976310054			
PROJECT BURGESS HILL CENTRE FOR OUTDOOR SPORTS			
DRAWING NON RETAINING GABION WALL SECTIONS			
SCALE: 1:20@A2		DATE: 24.09.24	
DRAWN BY: WRA		REV: -	

DWG No: 00178/E41

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