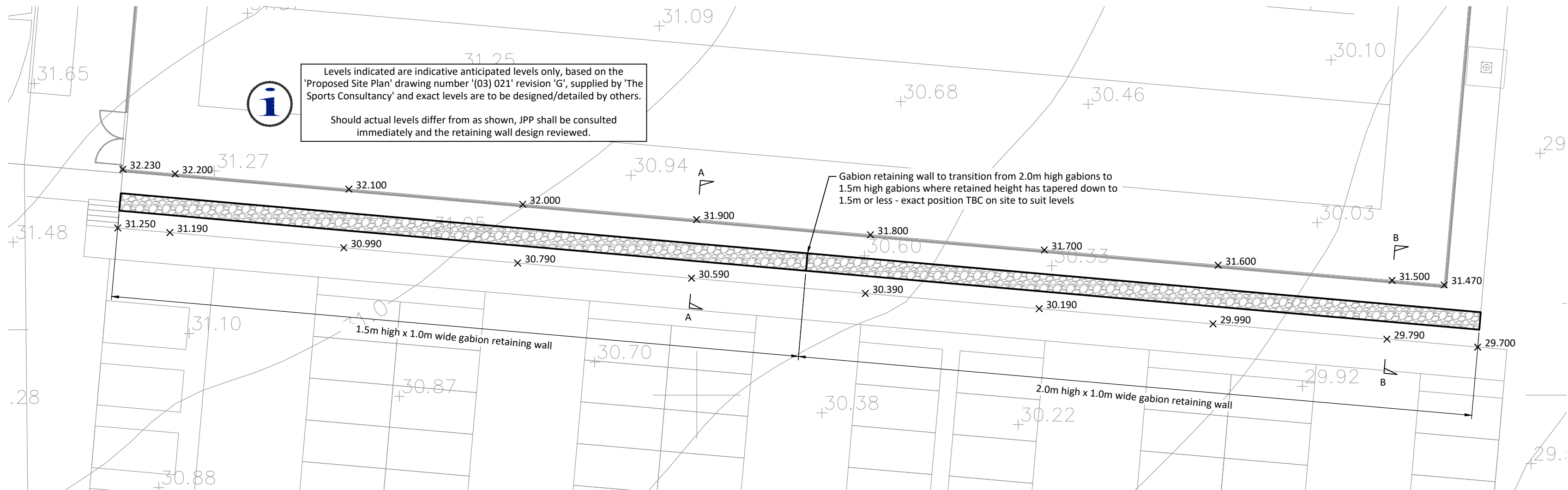
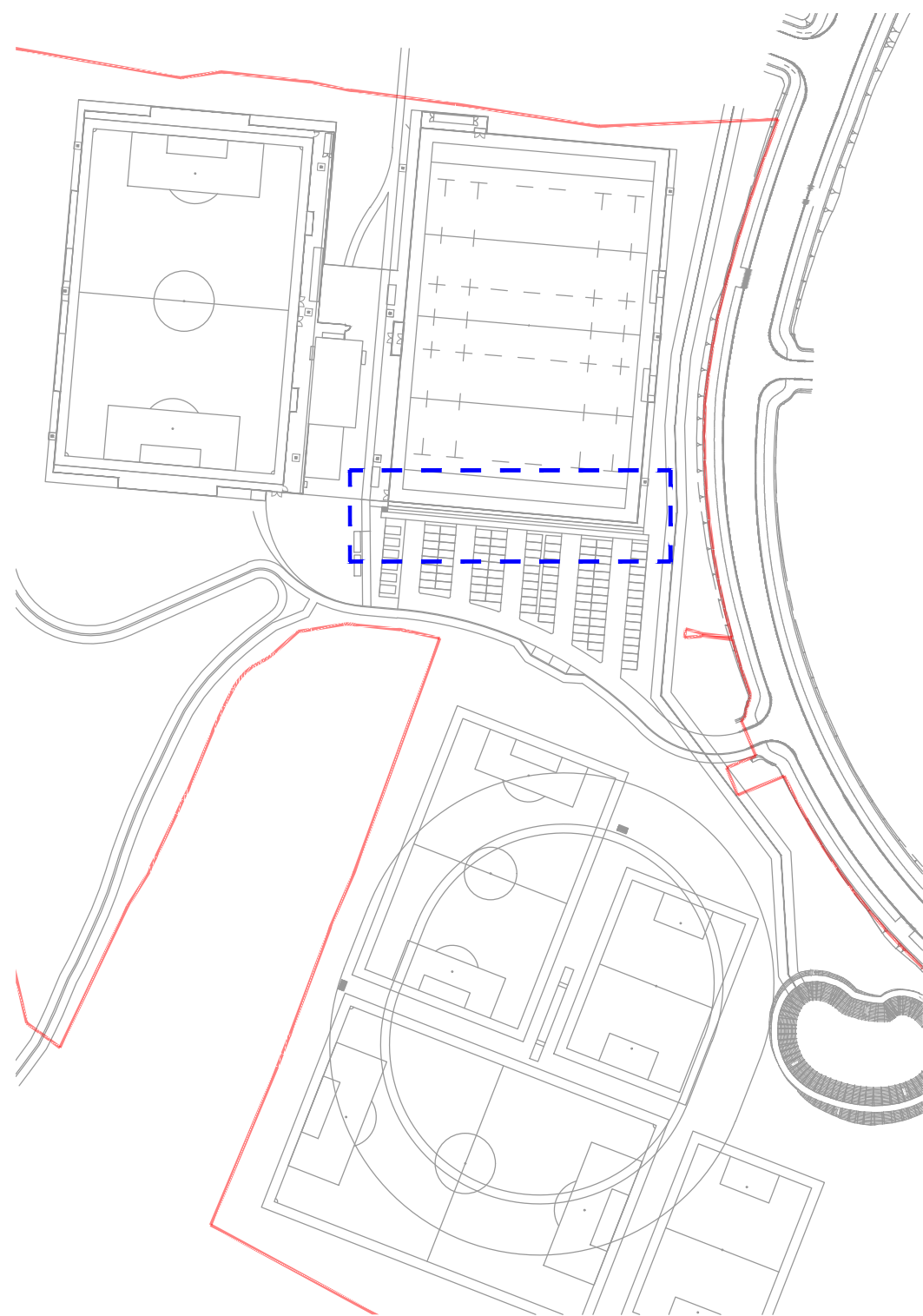




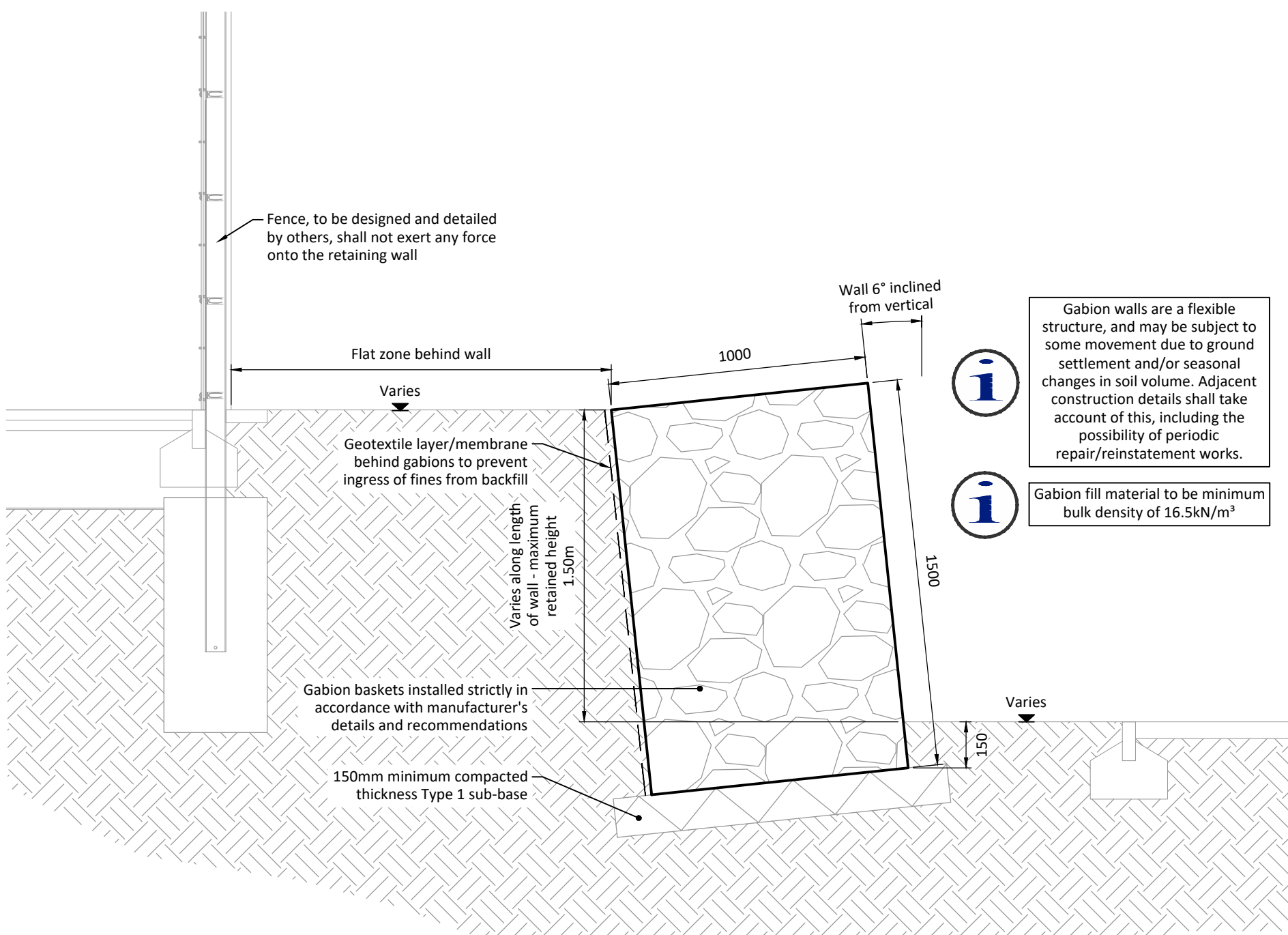
Gabion Retaining Wall - General Arrangement

1:200



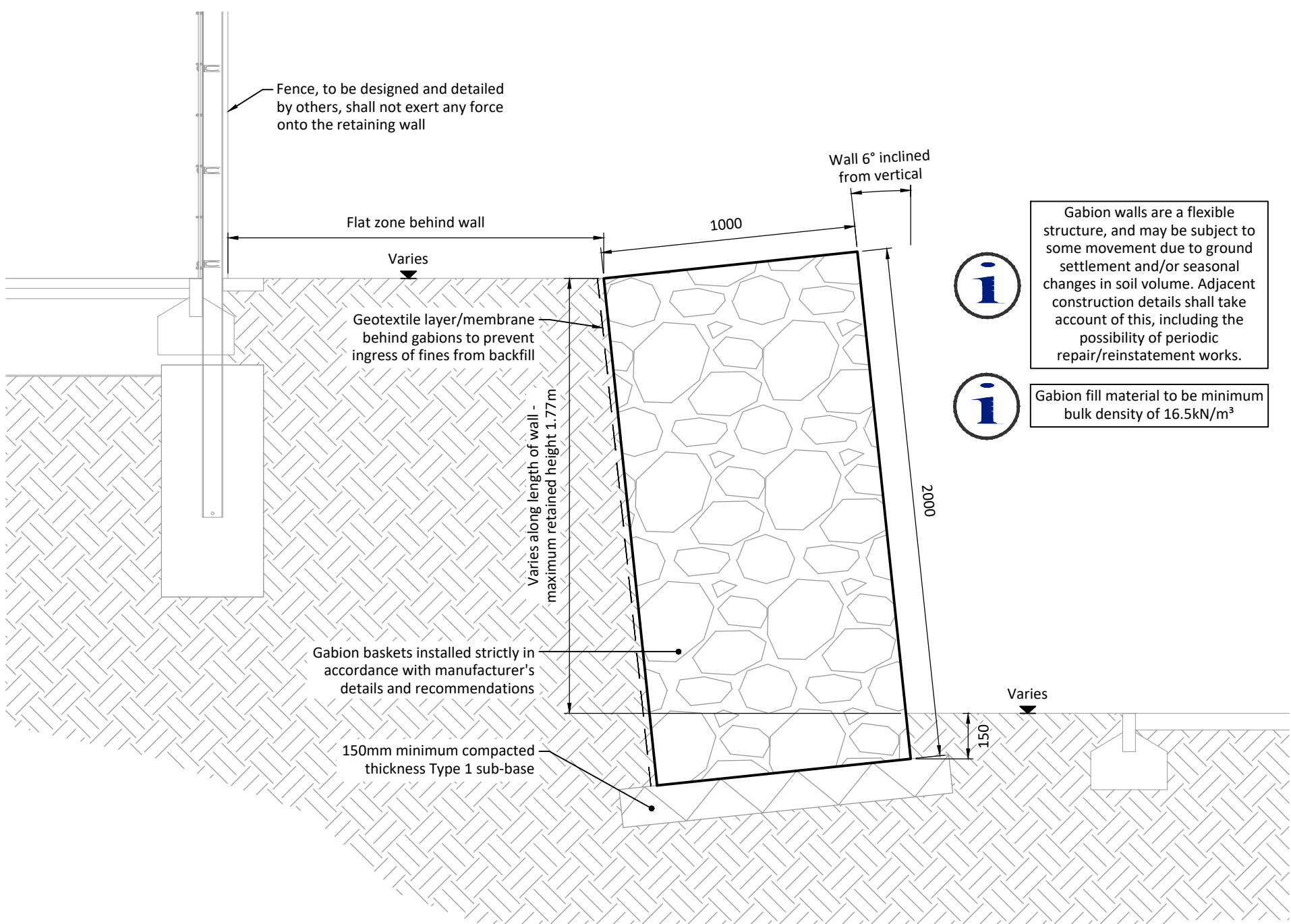
Site Plan Indicating GA Location

1:2000



Section A-A

1:20



Section B-B

1:20

NOTES

GENERAL

Do not scale from this drawing.

All dimensions are in millimetres and levels in metres unless noted otherwise.

Overall setting out information shall be taken from architect's drawings.

This drawing shall be used in conjunction with all relevant drawings, specifications and details.

This drawing is based on the 'Proposed Site Plan' drawing number '(03) 021' revision 'G', supplied by 'The Sports Consultancy'.

HEALTH, SAFETY AND THE ENVIRONMENT

In accordance with the Construction (Design and Management) Regulations 2015, designs and details on this drawing have been the subject of a designers risk assessment, to identify risks in construction, use, and demolition of the scheme.

It is not considered necessary for designers to highlight obvious and/or common risks (such as deep excavations, manual handling and working around heavy plant), which contractors should be familiar with.

So as far as is reasonably practicable, risks inherent in the design have been eliminated. Where it has been considered that elimination of a risk (or part of a risk) is not reasonably practicable, it has been reduced.

Significant unusual residual risks are identified below, beside the measures which have been adopted to eliminate and/or reduce them:

- None identified.

RETAINING WALLS

GENERALLY

The wall has been designed in accordance with the recommendations of the ground investigation report supplied by JPP Geotechnical using an allowable bearing pressure of 70kN/m².

The retaining wall design assumes soils in which the wall will be constructed are not susceptible to slope instability.

The retaining wall has been designed for a maximum surcharge of 1.5kN/m² applied to the upper retained surface behind the wall.

The retaining wall has been designed on backfill being flat/level (i.e. no incline).

In cohesive (clay type) soils, movement of the wall can be expected due to seasonal volume change. Existing or proposed trees and other vegetation may increase the degree of volume change and may also cause long term damage to the wall.

The retaining wall has been designed making no allowance for water build up behind the wall.

Trenches shall not be excavated in front of retaining walls. Doing so may compromise retaining wall stability and create a risk of retaining wall collapse.

Backfilling shall not commence until the wall construction has been completed.

Backfilling shall be carried out using suitable compacted backfill. Care shall be taken during backfilling operations so as to not damage the retaining wall.

GABIONS

Gabion meshes shall be a welded mesh design, with a nominal 75x75mm opening.

Gabion meshes shall be manufactured from wire complying with BS 1052 having a minimum core diameter of 2.0mm.

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).

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.

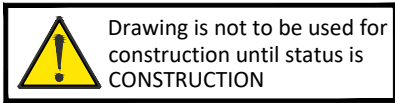
Fill material shall have a Los Angeles coefficient not greater than 50.

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 P1 Preliminary issue. By TC Checked AAK 10.08.2023

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		Project	Northern Arc, Burgess Hill 3G Turf Football and Rugby Pitches
		Title	Gabion Retaining Wall Layout and Details
Scale at A1	As shown	Drawn by	TC
Status	PRELIMINARY	Checked by	AAK
Project ref	25182	Date	August 2023
Drawing no.	S01	Revision	P1



Drawing is not to be used for construction until status is CONSTRUCTION