Geogrid Reinforcement

Existing ground to be cut to a safe inclination by Contractor. Site trials to be undertaken to ascertain safe inclination.

600x250mm Levelling Pad using compacted DoT Type 1 Sub-base

Foundation Soils to be assessed for adequate bearing/settlement on receipt of suitable Site Investigation. Foundation treatment could be required if unsuitable

Paragrid 50/15

MIN 3.5m Long

MIN 450mm Embedment

457 long x 200 Ht x 280dp: Vertica Blocks (nom. 7.3° face from vertical)

Horizontally Retained Ground

Barrier details and foundation by Engineer. Upper geogrid cut locally to accommodate concrete barrier post

Min 3.5m Long

150mm dia semi perforated pipe wrapped in geotextile

4-20mm crushed aggregate to BS EN 1262 300 thick, to end 500mm from top of wall. A separation geotextile maybe required if an open graded (single size) drainage stone is used instead

Well graded granular fill (Max 75mm particle Size) compacted in max 200mm layers

Upper geogrid cut locally to accommodate concrete barrier post

TYPICAL SECTION FOR A 5.0m RETAINED HEIGHT ANCHOR VERTICA WALL