



NOTES

- 1) DIMENSIONS IN MMs UNLESS OTHERWISE SPECIFIED.
This drawing is based on the information shown on the supplied information and drawings.
- 2) MATERIAL SPECIFICATION:
- Retaining UK Geowall retaining wall panels
- C10 (GEN1) concrete backfill
- 3) CONCRETE BACKFILL:
C10 (GEN1) concrete backfill to be placed behind facing panels in compliance with dimensions shown in the sections.

For the 1.25m Geowall panels the concrete backfill should be placed in max. 0.65m lifts per day.

4) SITE / IN-SITU SOILS :
It is assumed the in-situ soils have the following properties as a minimum: Foundation (Glacial Till, typically firm to stiff sandy slightly gravelly CLAY) :
Z = 30° γ = 19 kN/m³ and c' = 0 kPa
Retained (Topsoil/made ground in gardens)
Z = 27° γ = 18 kN/m³ and c' = 0 kPa
Retained (made ground in driveways)
Z = 30° γ = 19 kN/m³ and c' = 0 kPa

The Principal Contractor / Principal Designer is responsible for ensuring the in-situ soils complying

with the geotechnical characteristics as shown on the relevant drawings and in the design calculations.

5) WALL FOUNDATION:
To achieve a suitable foundation for the walls, excavation must take place down to original firm to stiff sandy gravelly CLAY (Glacial Till). Any soft/ loose or unsuitable material (such as peat, made ground or alluvium) present at or below formation level must be excavated down to original firm to stiff CLAY and replaced compacted Class 6F2 material, as specified in MCHW Vol. 1 S eries 600. A competent person must confirm the suitability of the founding material. Where unsuitable material is to be excavated and

replaced down to a suitable bearing stratum, the excavation should be oversized at a 1V:1H gradient.

6) WALL GEOMETRY :
Wall layout and arrangement is outside of ASC's scope, however the retained heights and crest and toe slope gradients for each section should not be exceeded. Geometry should be checked by the Principal Contractor to ensure it complies with that considered in the design.

7) DRAINAGE
A Ø100mm uPVC perforated drainage pipe is to be

provided at the heel of the concrete backfill, surrounded in pea gravel and wrapped in a drainage geocomposite (Proofex S heetdrain or similar approved). The geocomposite is to be laid along the rear of the temporary cut, at the back of the concrete backfill, in order to create a drainage path along the rear of the wall. Intermediate outfalls and jetting points may be required. Locations for outfalls and jetting points should be chosen by the scheme drainage designer.

8) LOADS
Retained gardens = variable load of 2.50kPa.
Driveways = variable load of 5.00kPa.
Heavy construction plant should not traffic within 2m to the top of the retaining walls.

RETAINING UK

Head Office |
Hughes House, Cargo Fleet Road,
Middlesbrough, TS3 6AG

Yorkshire Office |
23 Treadman Street, Wakefield, WF1 5RG

TEL | 01642233400
www.Retaininguk.com

ASC DESIGN

TECHNOLOGY CENTRE,
WOLVERHAMPTON SCIENCE PARK,
GLAISHER DRIVE,
WOLVERHAMPTON,
WV10 9RU.

TEL No. (01902) 424847
E-Mail: info@asc-ltd.co.uk
www.asc-ltd.co.uk

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CLIENT
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PROJECT
STANDARD DETAILS ALL SITES

DRAWING TITLE
**GEOWALL TYPICAL DETAILS:
SECTIONS 1-1 & 1A-1A**

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AS SHOWN	M.R.	R.M.	Aug '21
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