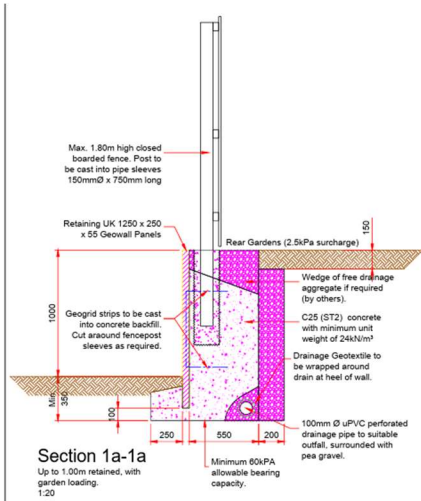
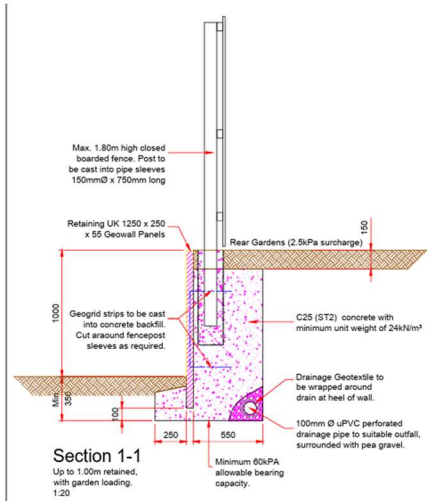


Please find attached the following information:

- Swept path plans as requested now shown on the site layout and produced by TPS
- Cribwall details - attached are images of typical cribwall designs and sections through for differing level retaining heights

For the retainers on the rear gardens, the proposal is:

- Lower level retainers with steps to be built with geo walls which are a very common retainers used for developers to retain smaller levels to rear gardens. Typically images of what these look like are below.



NOTES

- DIMENSIONS IN MM UNLESS OTHERWISE SPECIFIED.**
This drawing is based on the information shown on the supplied information and drawings.
- MATERIAL SPECIFICATION:**
 - Retaining UK Geowall retaining wall panels
 - C10 (S6N) concrete backfill
- CONCRETE BACKFILL:**
C10 (S6N) concrete backfill to be placed behind retaining panels in compliance with dimensions shown in the sections.

For the 1.25m Geowall panels the concrete backfill should be placed in max. 0.20m lifts per day.

- SITE / IN-SITU SOILS:**
It is assumed the in-situ soils have the following properties as a minimum: Foundation (Gravel Till): $\gamma = 20\text{ kN/m}^3$ and $c = 0\text{ kPa}$
Retained (Topsoil/made ground in gardens): $\gamma = 20\text{ kN/m}^3$ and $c = 0\text{ kPa}$
Retained (made ground in driveways): $\gamma = 20\text{ kN/m}^3$ and $c = 0\text{ kPa}$

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.

- SOIL FOUNDATION:**
To achieve a suitable foundation for the walls, excavation must be taken down to original firm to stiff sandy gravelly CLAY (Gravel Till). Any soft loose or dilatant material (such as peat, moss, ground or alluvium present at or below formation level) must be excavated down to original firm to stiff CLAY and replaced compacted Class B2 material, as specified in BS593:10, 1.5 series 100.
- 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.
- DRAINAGE:**
A 100mm uPVC perforated drainage pipe is to be replaced down to a suitable bearing stratum, the excavation should be overcast at a 1%:1H gradient.

provided at the heel of the concrete backfill, surmounted in pea gravel and wrapped in a drainage geotextile (Profile 3 Hessian or similar approved). The geotextile is to be laid along the rear of the temporary cut, at the base of the concrete backfill, in order to create a drainage path along the rear of the wall. Intermediate outfalls and staking points may be required. Locations for outfalls and staking points should be chosen by the scheme drainage engineer.

- LOADS:**
Retained gardens = variable load of 2.50kPa. Driveways = variable load of 3.00kPa. Heavy construction plant should not traffic within 2m to the top of the retaining walls.



NO.	REV.	DESCRIPTION	DATE

THIS DRAWING IS A PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.
DO NOT SCALE THIS DRAWING.
IF IN DOUBT ASK.

RETAINING UK LIMITED.
STANDARD DETAILS ALL SITES

PROJECT: RETAINING UK LIMITED.
DRAWING TITLE: GEOWALL TYPICAL DETAILS: SECTIONS 1-1 & 1A-1A

AS SHOWN	M.R.	R.M.	Aug 21
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- Top level retainers on rear gardens will be the Cribwall design, in which no stepped access is provided for these walls. The wall runs up at an angle the higher it goes (as you can see on images below) and then the boundary fence sits on top of the crib wall itself

