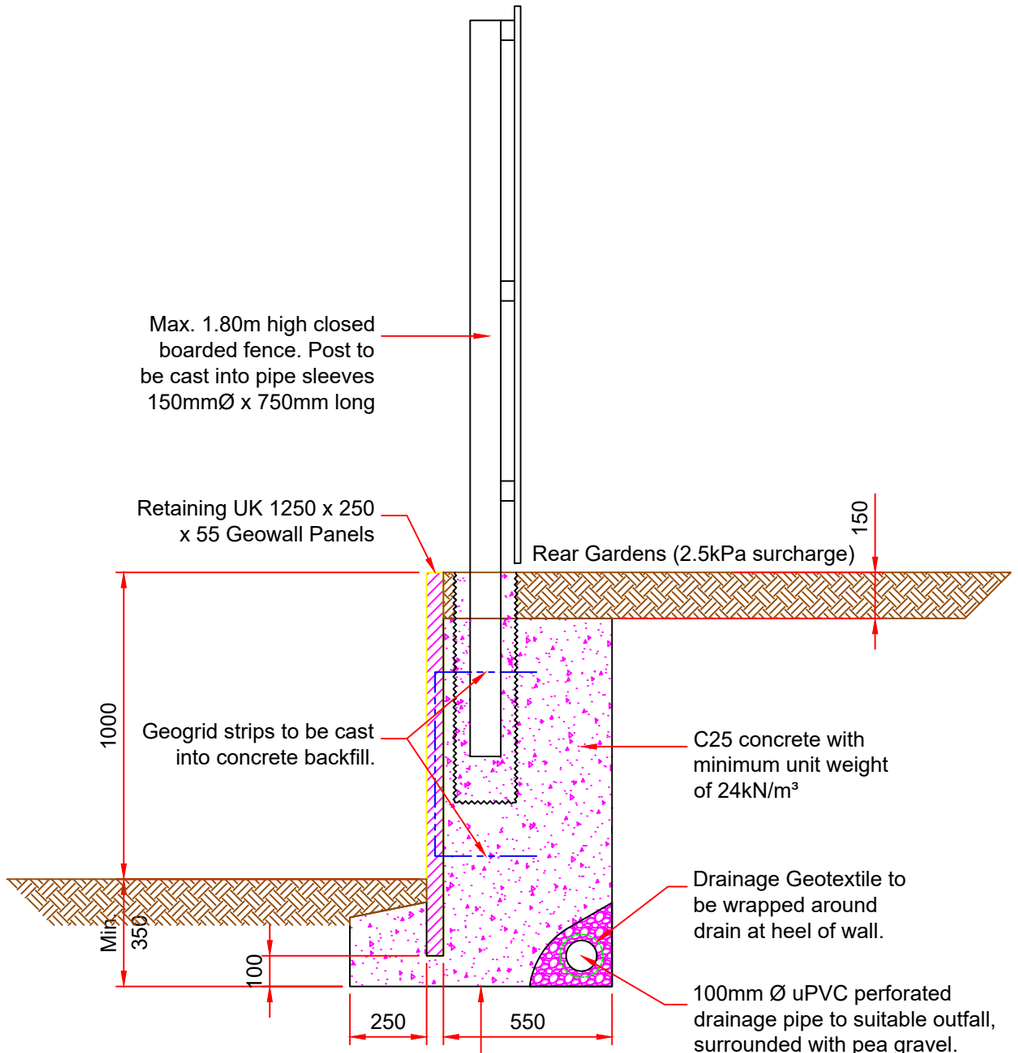
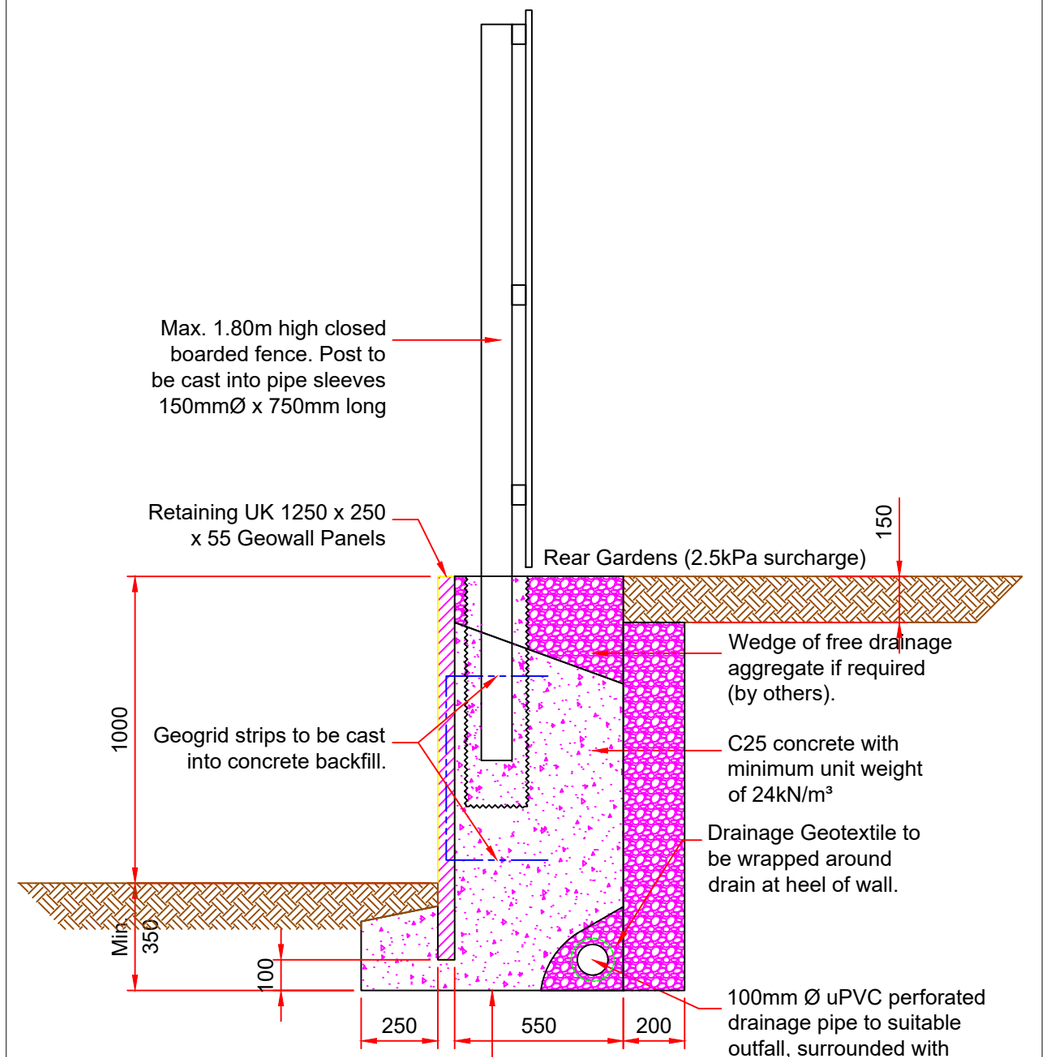


Section 1-1

Up to 1.00m retained, with garden loading.
1:20



Section 1a-1a

Up to 1.00m retained, with garden loading.
1:20

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
- C25 concrete backfill

3) CONCRETE BACKFILL:
C25 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):
Ζ = 30° γ = 19 kN/m³ and c' = 0 kPa
Retained (Topsoil/made ground in gardens)
Ζ = 27° γ = 18 kN/m³ and c' = 0 kPa
Retained (made ground in driveways)
Ζ = 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:
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6) WALL GEOMETRY :
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7) DRAINAGE
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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.

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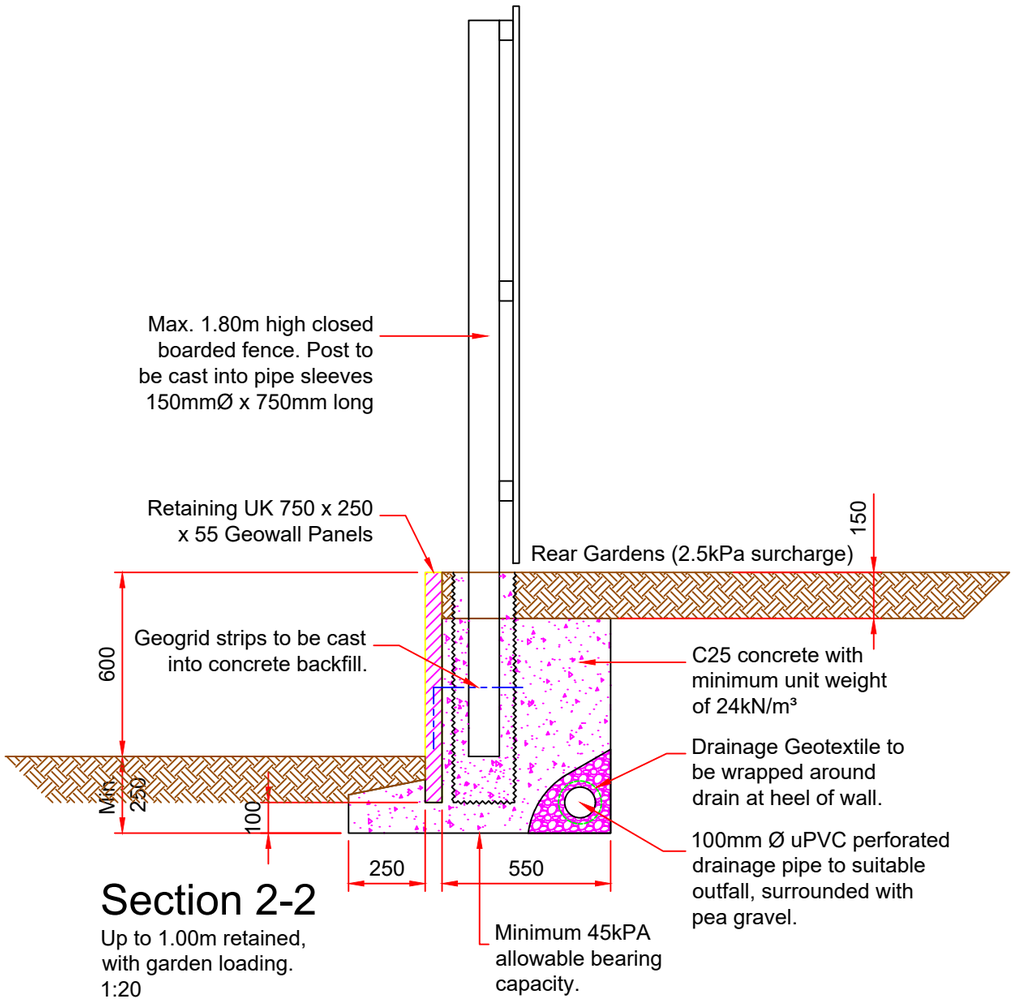
PROJECT: STANDARD DETAILS ALL SITES

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

SCALE (A3)	DRAWN	APPROVED	DATE
AS SHOWN	M.R.	R.M.	Aug '21

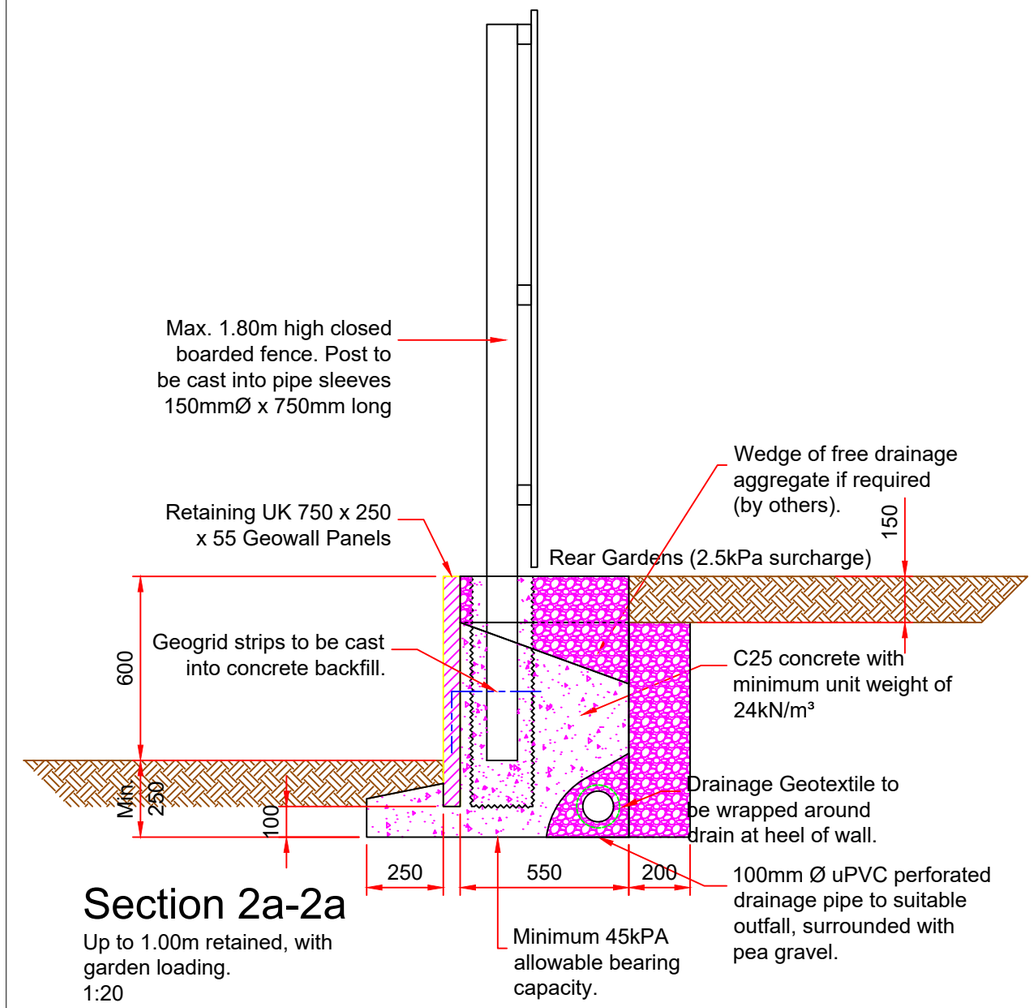
DRAWING No. 00000 / 101

REVISION 01



Section 2-2

Up to 1.00m retained, with garden loading.
1:20



Section 2a-2a

Up to 1.00m retained, with garden loading.
1:20

NOTES

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2) MATERIAL SPECIFICATION:
- Retaining UK Geowall retaining wall panels
- C25 concrete backfill

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Retained (Topsoil/made ground in gardens)
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Retained (made ground in driveways)
Ƶ = 30° γ = 19 kN/m³ and c' = 0 kPa

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8) LOADS
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Driveways = variable load of 5.00kPa.
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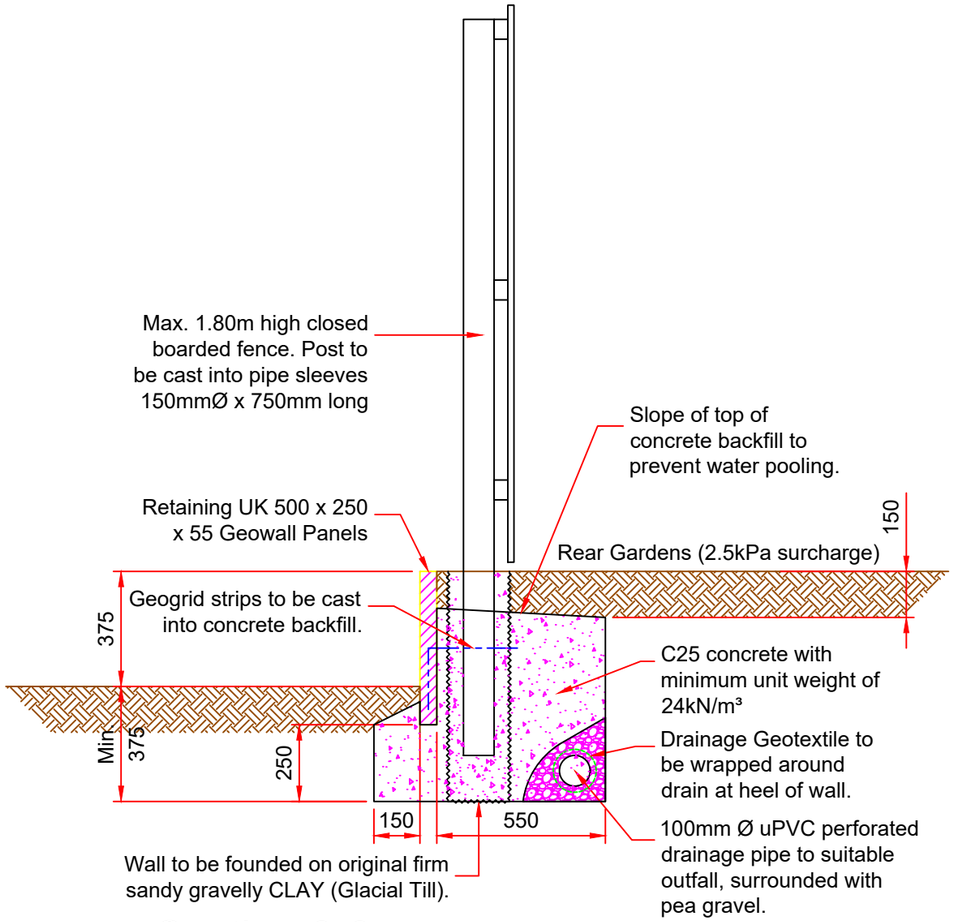
PROJECT: STANDARD DETAILS ALL SITES

DRAWING TITLE: GEOWALL TYPICAL DETAILS: SECTIONS 2-2 & 2A-2A

SCALE (A3)	DRAWN	APPROVED	DATE
AS SHOWN	M.R.	R.M.	Aug '21

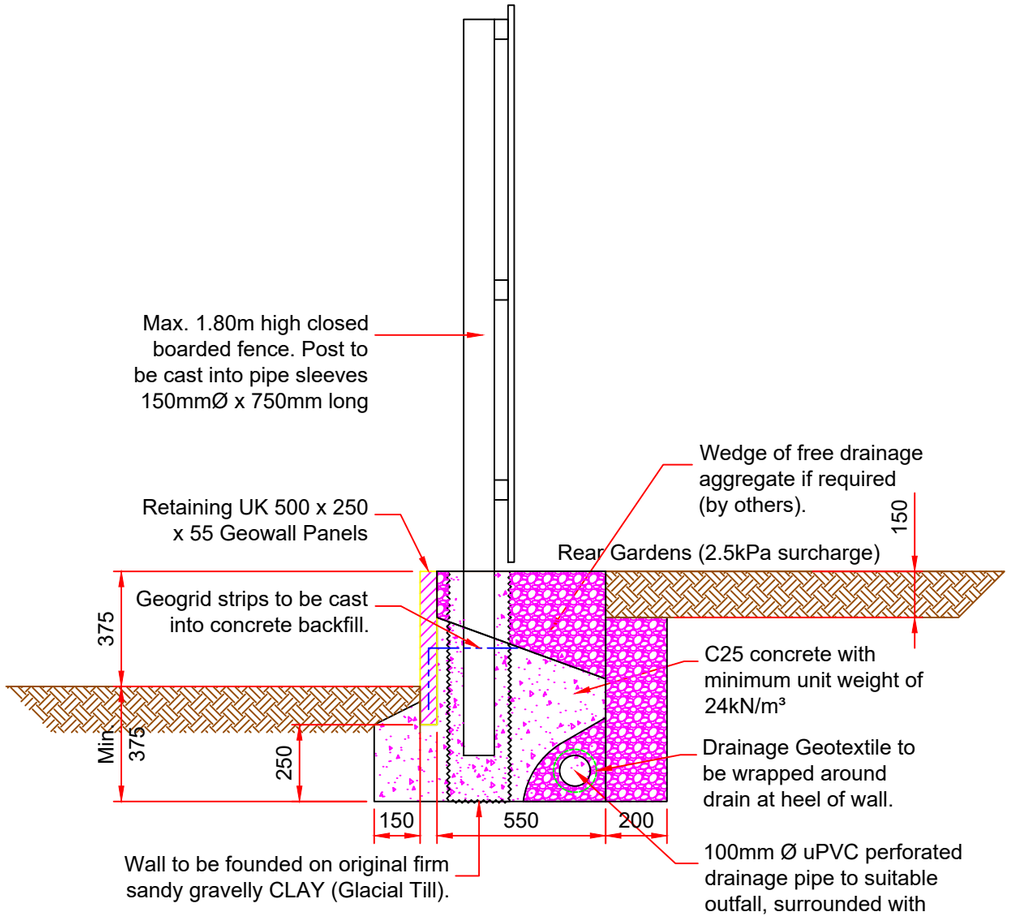
DRAWING No. 00000 / 102

REVISION 01



Section 3-3

Up to 0.375m retained, with garden loading.
1:20



Section 3a-3a

Up to 0.375m retained, with garden loading.
1:20

NOTES

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- C25 concrete backfill

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C25 concrete backfill to be placed behind facing panels in compliance with dimensions shown in the sections.
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4) SITE / IN-SITU SOILS :
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$\phi' = 30°$ $\gamma = 19$ kN/m³ and $c' = 0$ kPa
Retained (Topsoil/made ground in gardens)
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Retained (made ground in driveways)
$\phi' = 30°$ $\gamma = 19$ kN/m³ and $c' = 0$ kPa

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8) LOADS
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Driveways = variable load of 5.00kPa.
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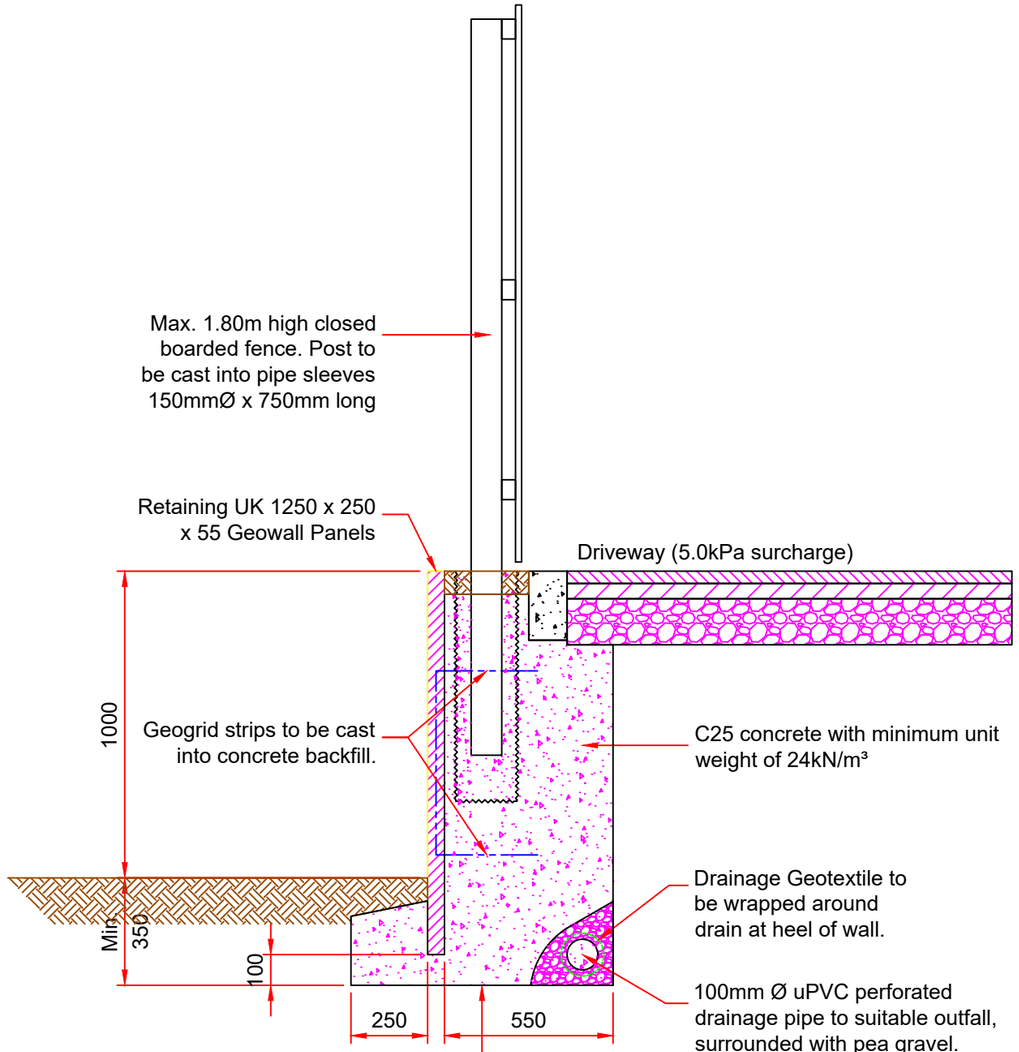
PROJECT: STANDARD DETAILS ALL SITES

DRAWING TITLE: GEOWALL TYPICAL DETAILS: SECTIONS 3-3 & 3a-3a

SCALE (A3)	DRAWN	APPROVED	DATE
AS SHOWN	M.R.	R.M.	Aug '21

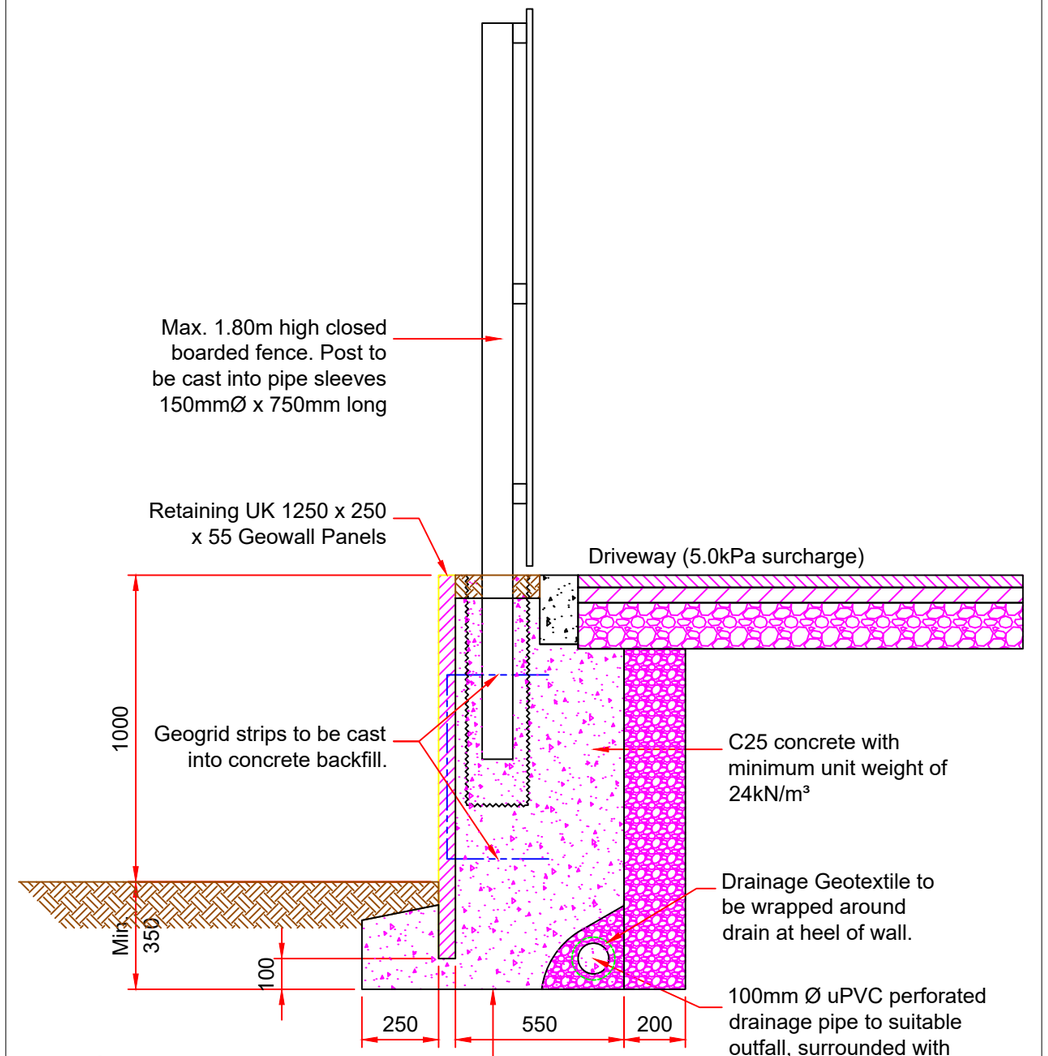
DRAWING No. 00000 / 103

REVISION 01



Section 4-4

Up to 1.00m retained, with driveway loading.
1:20



Section 4a-4a

Up to 1.00m retained, with driveway loading.
1:20

NOTES

1) DIMENSIONS IN MMs UNLESS OTHERWISE SPECIFIED.
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2) MATERIAL SPECIFICATION:
- Retaining UK Geowall retaining wall panels
- C25 concrete backfill

3) CONCRETE BACKFILL:
C25 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):
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Retained (Topsoil/made ground in gardens)
$\zeta = 27°$ $\gamma = 18$ kN/m³ and c' = 0 kPa
Retained (made ground in driveways)
$\zeta = 30°$ $\gamma = 19$ kN/m³ and c' = 0 kPa

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8) LOADS
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Driveways = variable load of 5.00kPa.
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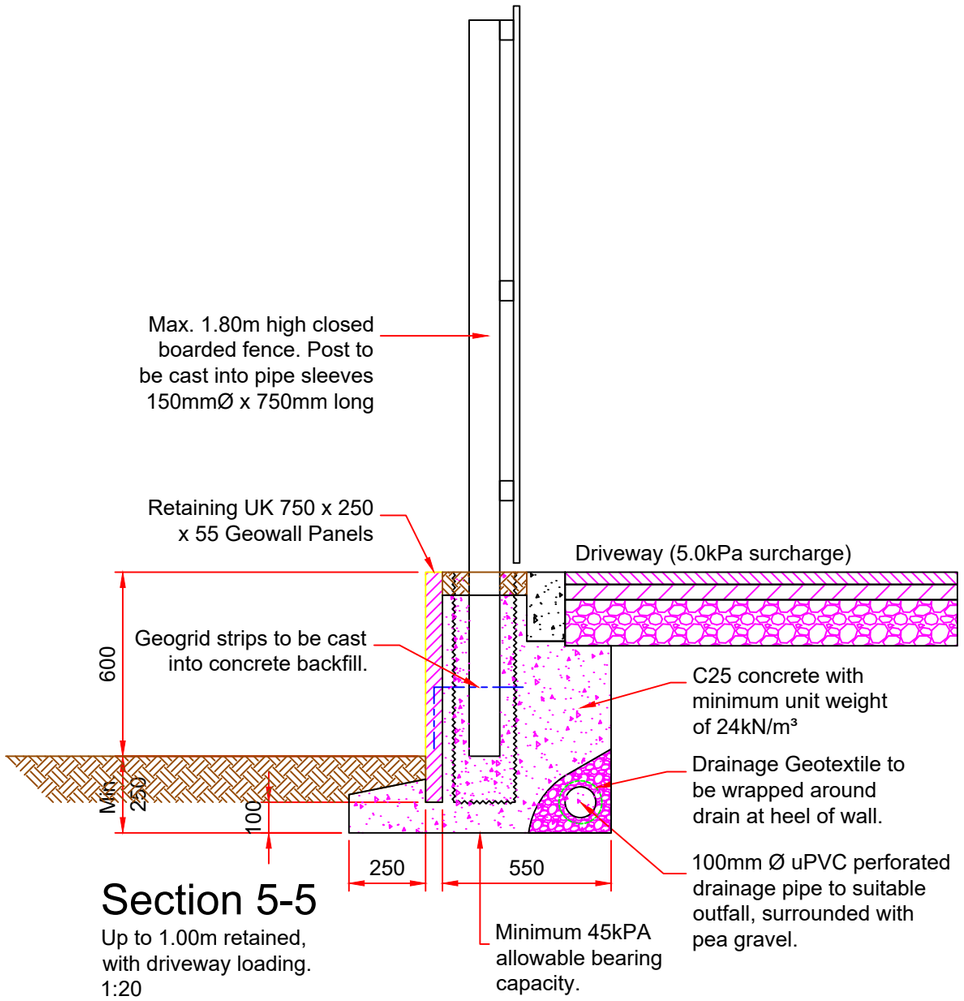
PROJECT: STANDARD DETAILS ALL SITES

DRAWING TITLE: GEOWALL TYPICAL DETAILS: SECTIONS 4-4 & 4a-4a

SCALE (A3)	DRAWN	APPROVED	DATE
AS SHOWN	M.R.	R.M.	Aug '21

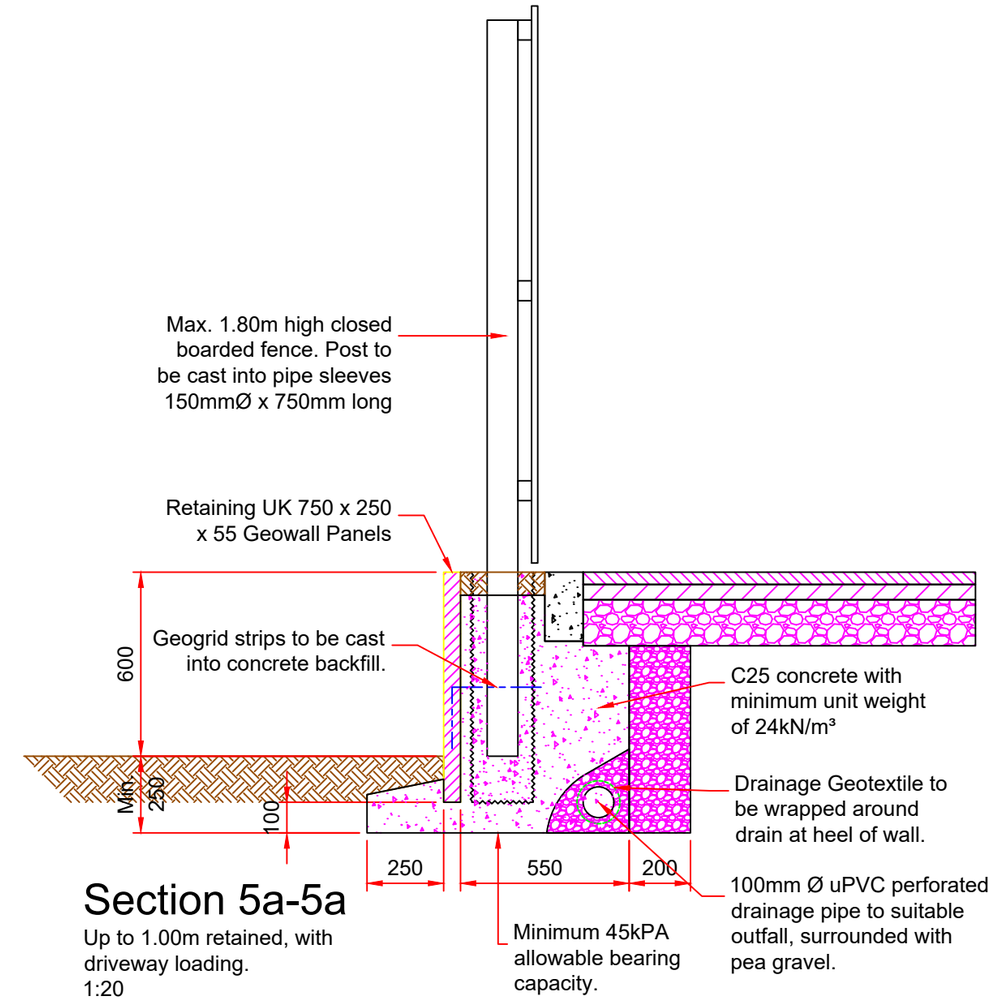
DRAWING No. 00000 / 104

REVISION 01



Section 5-5

Up to 1.00m retained, with driveway loading.
1:20



Section 5a-5a

Up to 1.00m retained, with driveway loading.
1:20

NOTES

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- C25 concrete backfill

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Retained (made ground in driveways)
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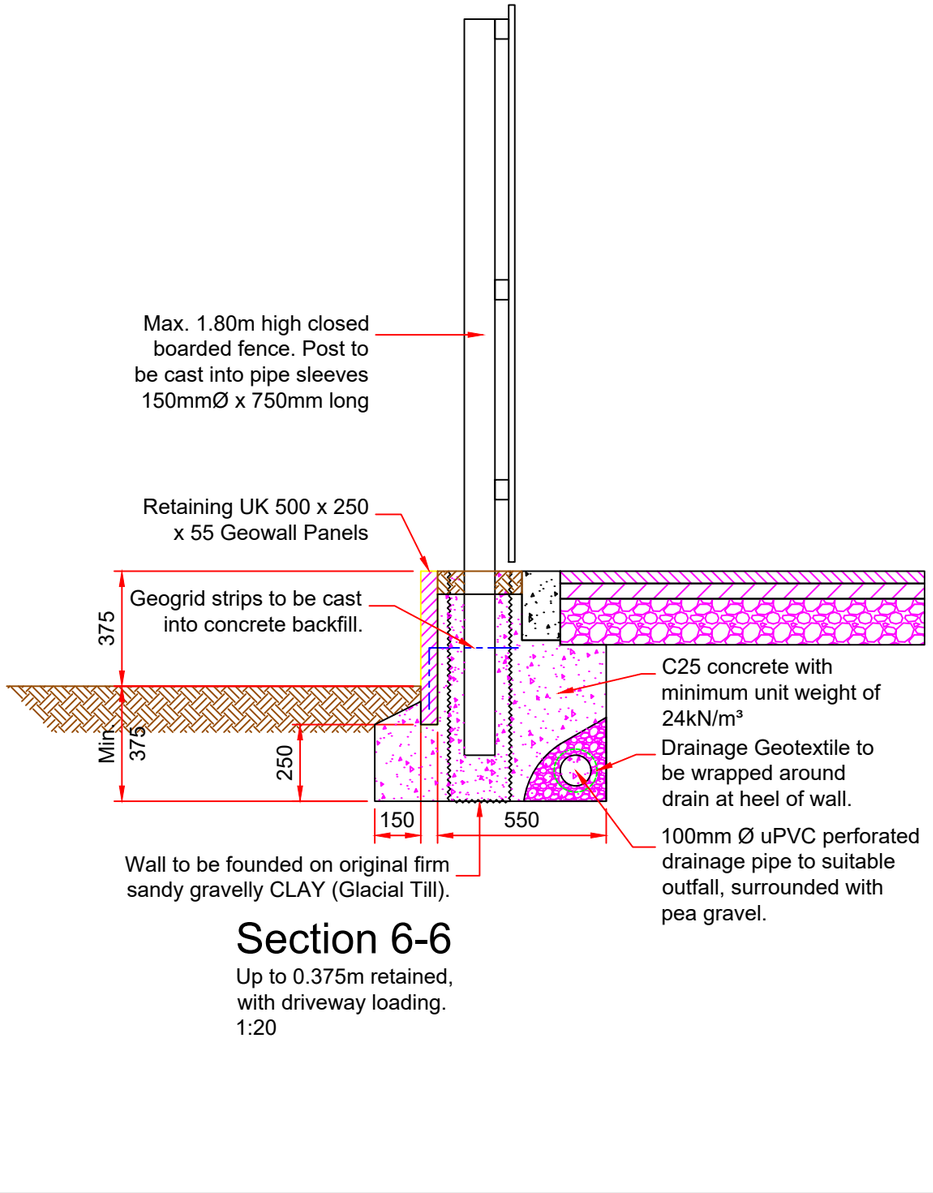
PROJECT: STANDARD DETAILS ALL SITES

DRAWING TITLE: GEOWALL TYPICAL DETAILS: SECTIONS 5-5 & 5a-5a

SCALE (A3)	DRAWN	APPROVED	DATE
AS SHOWN	M.R.	R.M.	Aug '21

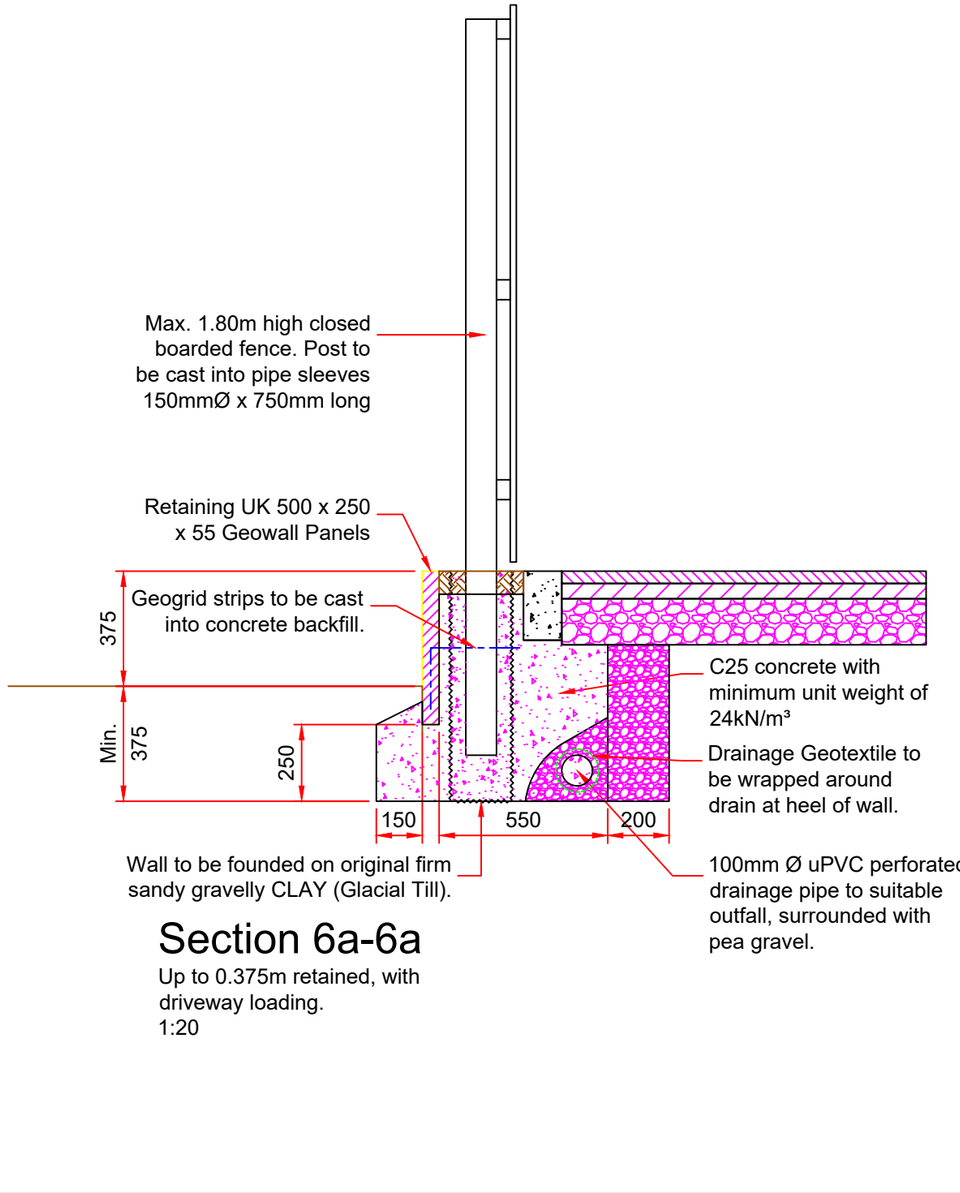
DRAWING No. 00000 / 105

REVISION 01



Section 6-6

Up to 0.375m retained, with driveway loading.
1:20



Section 6a-6a

Up to 0.375m retained, with driveway loading.
1:20

NOTES

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REV	BY	DATE	DESCRIPTION
01	M.R.	01.01.23	CONSTRUCTION ISSUE
00	M.R.	25.08.21	PRELIMINARY - ISSUED FOR APPROVAL

CONSTRUCTION ISSUE

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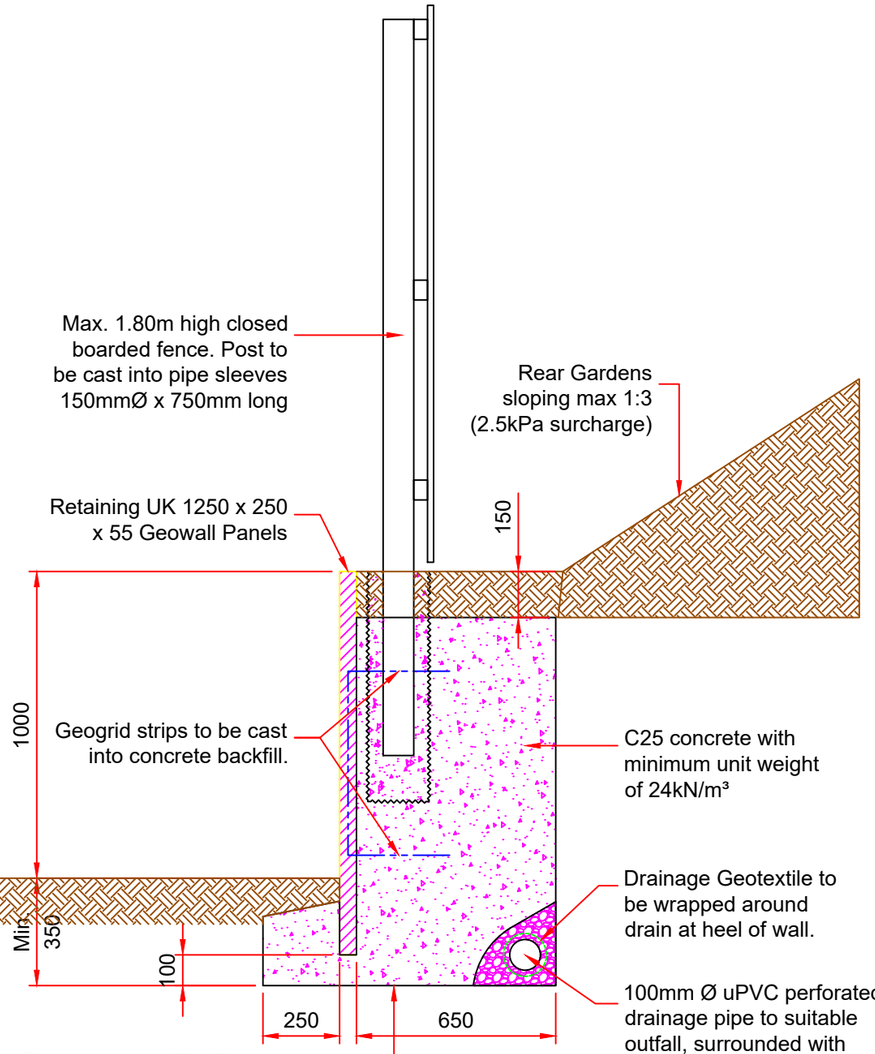
PROJECT: STANDARD DETAILS ALL SITES

DRAWING TITLE: GEOWALL TYPICAL DETAILS: SECTIONS 6-6 & 6a-6a

SCALE (A3)	DRAWN	APPROVED	DATE
AS SHOWN	M.R.	R.M.	Aug '21

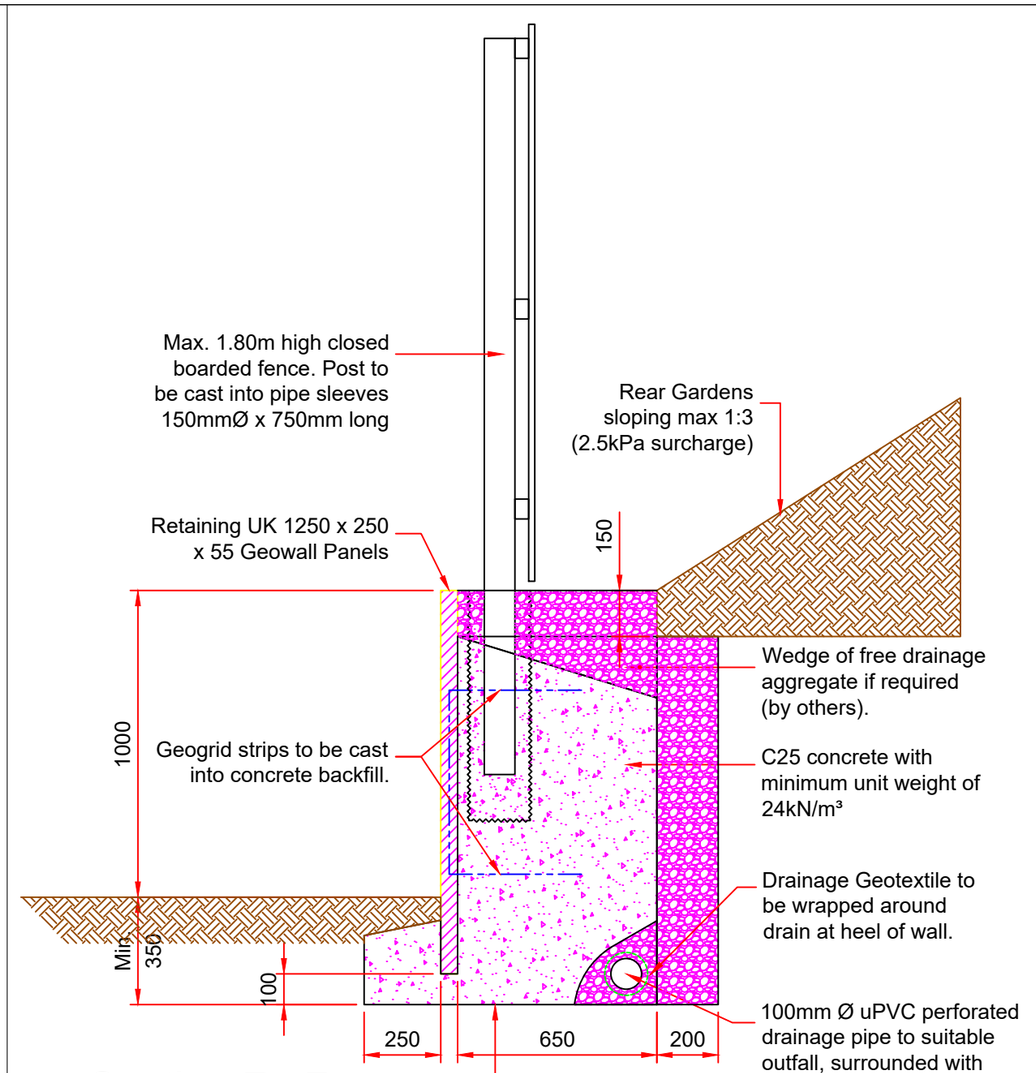
DRAWING No. 00000 / 106

REVISION 01



Section 7-7

Up to 1.00m retained, with garden loading.
1:20



Section 7a-7a

Up to 1.00m retained, with garden loading.
1:20

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
- C25 concrete backfill

3) CONCRETE BACKFILL:
C25 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):
$\zeta = 30°$ $\gamma = 19$ kN/m³ and c' = 0 kPa
Retained (Topsoil/made ground in gardens)
$\zeta = 27°$ $\gamma = 18$ kN/m³ and c' = 0 kPa
Retained (made ground in driveways)
$\zeta = 30°$ $\gamma = 19$ 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.

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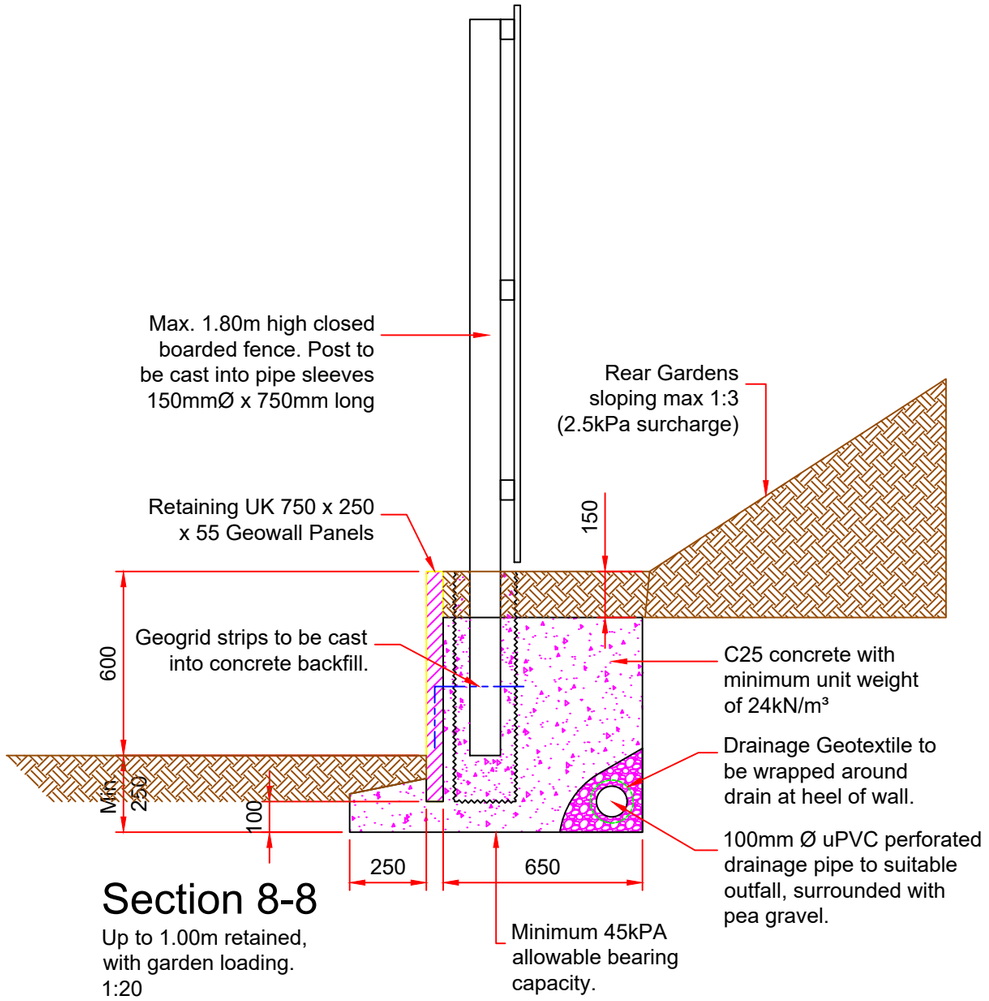
PROJECT: STANDARD DETAILS ALL SITES

DRAWING TITLE: GEOWALL TYPICAL DETAILS: SECTIONS 7-7 & 7a-7a

SCALE (A3)	DRAWN	APPROVED	DATE
AS SHOWN	M.R.	R.M.	Aug '21

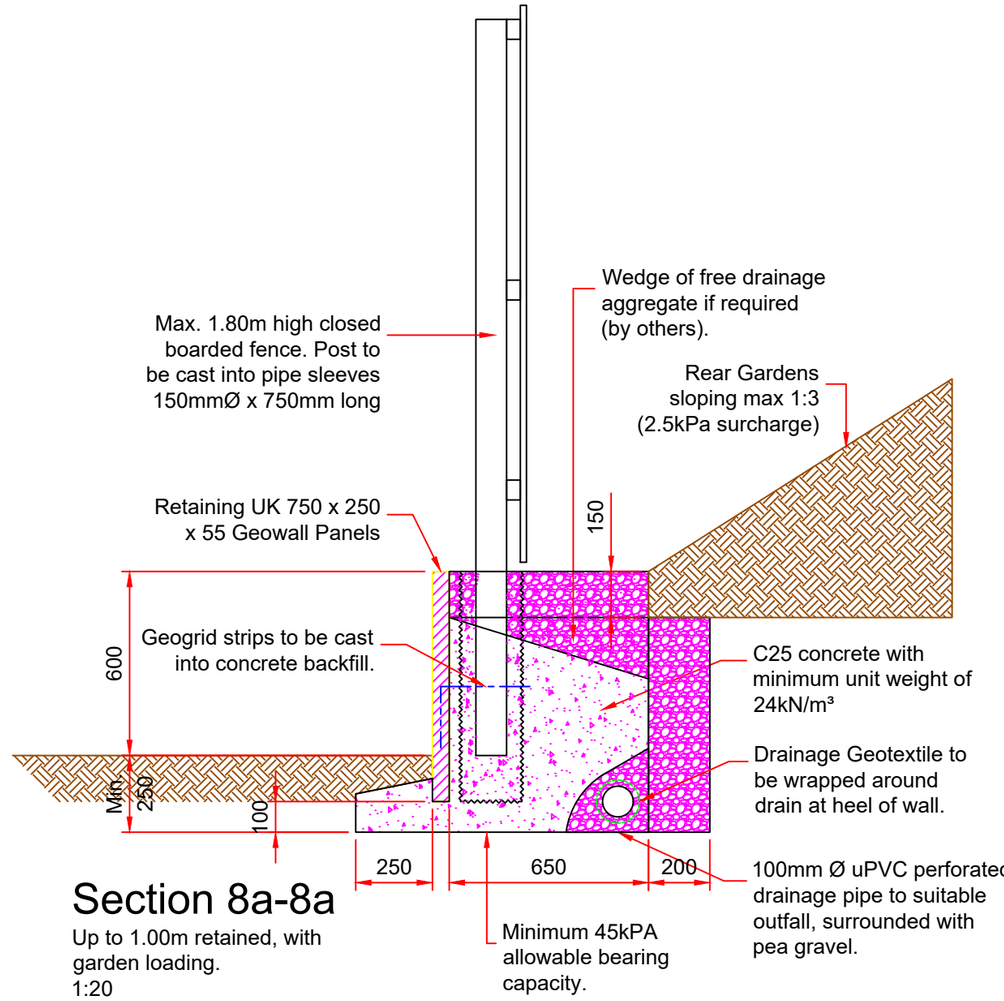
DRAWING No. 00000 / 107

REVISION 01



Section 8-8

Up to 1.00m retained, with garden loading.
1:20



Section 8a-8a

Up to 1.00m retained, with garden loading.
1:20

NOTES

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2) MATERIAL SPECIFICATION:
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- C25 concrete backfill

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Ƶ = 30° γ = 19 kN/m³ and c' = 0 kPa
Retained (Topsoil/made ground in gardens)
Ƶ = 27° γ = 18 kN/m³ and c' = 0 kPa
Retained (made ground in driveways)
Ƶ = 30° γ = 19 kN/m³ and c' = 0 kPa

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5) WALL FOUNDATION:
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8) LOADS
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Driveways = variable load of 5.00kPa.
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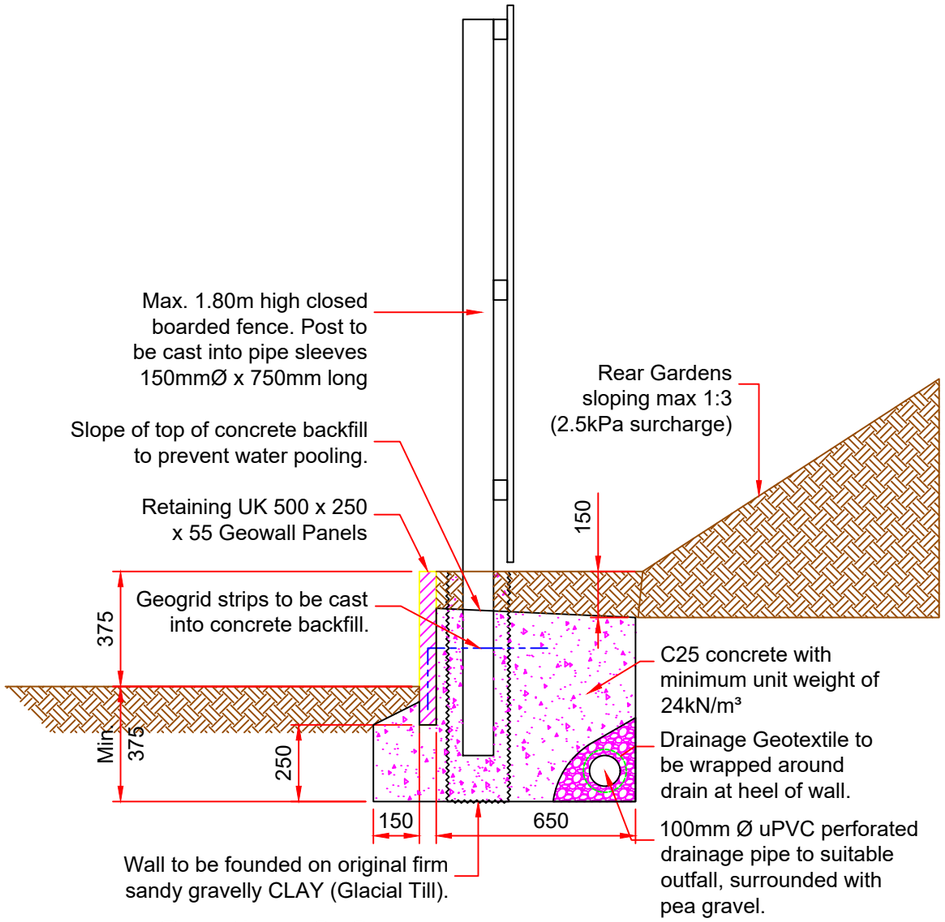
PROJECT: STANDARD DETAILS ALL SITES

DRAWING TITLE: GEOWALL TYPICAL DETAILS: SECTIONS 8-8 & 8a-8a

SCALE (A3)	DRAWN	APPROVED	DATE
AS SHOWN	M.R.	R.M.	Aug '21

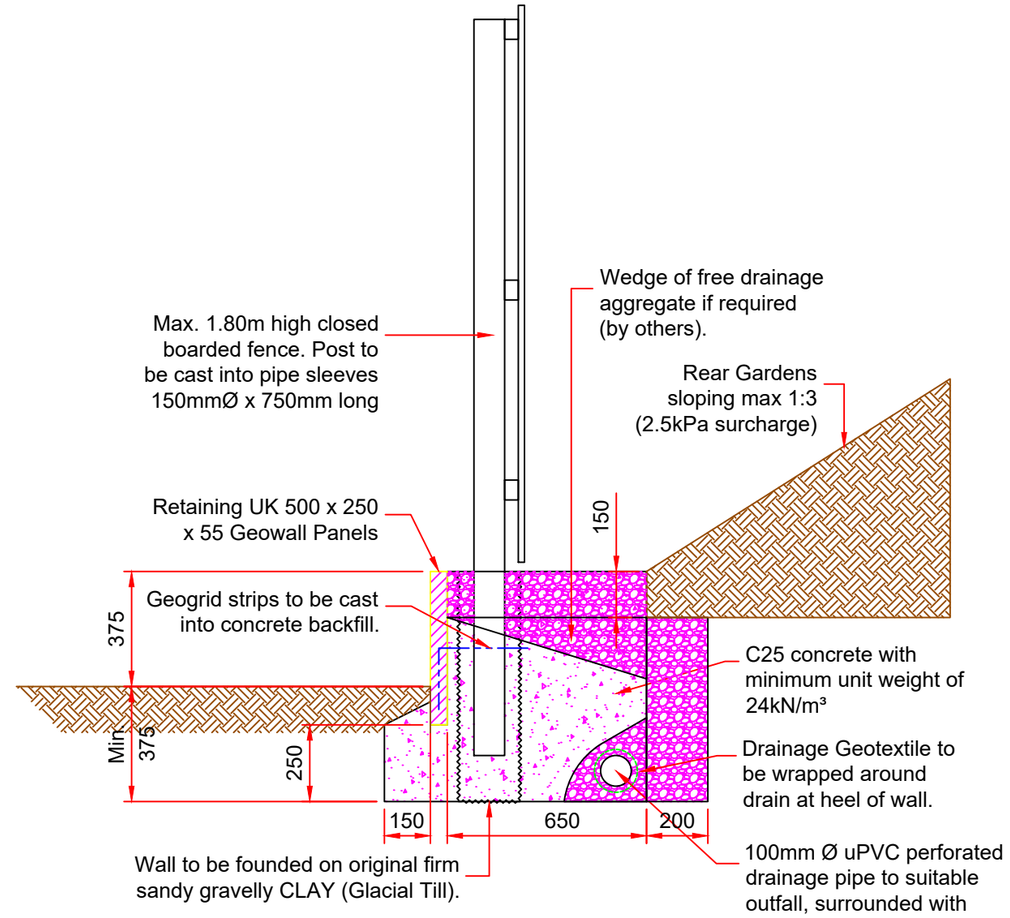
DRAWING No. 00000 / 108

REVISION 01



Section 9-9

Up to 0.375m retained, with garden loading.
1:20



Section 9a-9a

Up to 0.375m retained, with garden loading.
1:20

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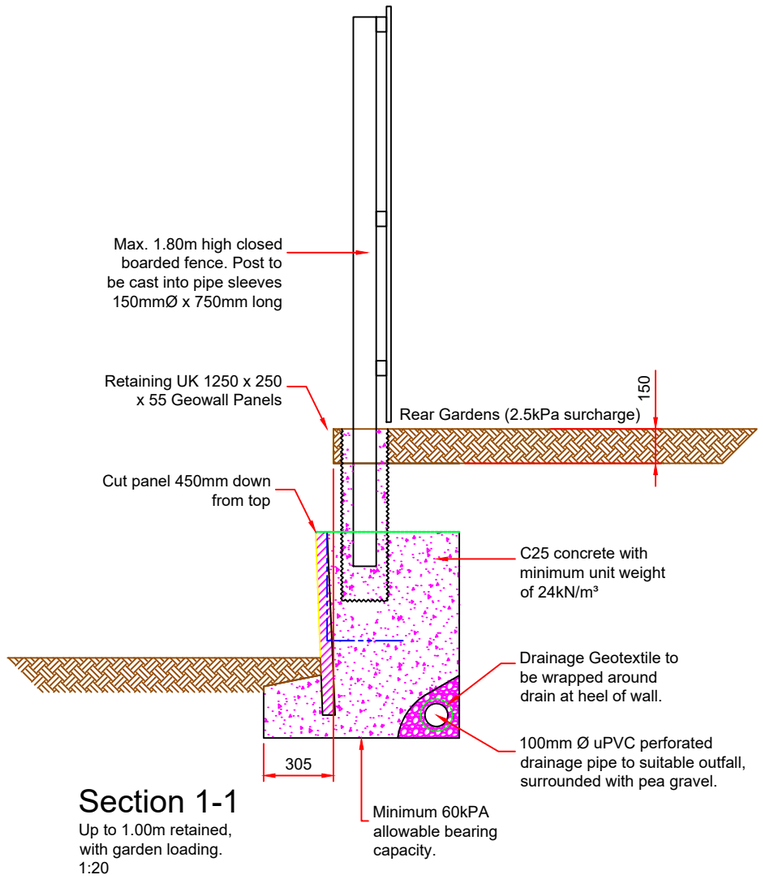
PROJECT: STANDARD DETAILS ALL SITES

DRAWING TITLE: GEOWALL TYPICAL DETAILS: SECTIONS 9-9 & 9a-9a

SCALE (A3)	DRAWN	APPROVED	DATE
AS SHOWN	M.R.	R.M.	Aug '21

DRAWING No. 00000 / 109

REVISION 01

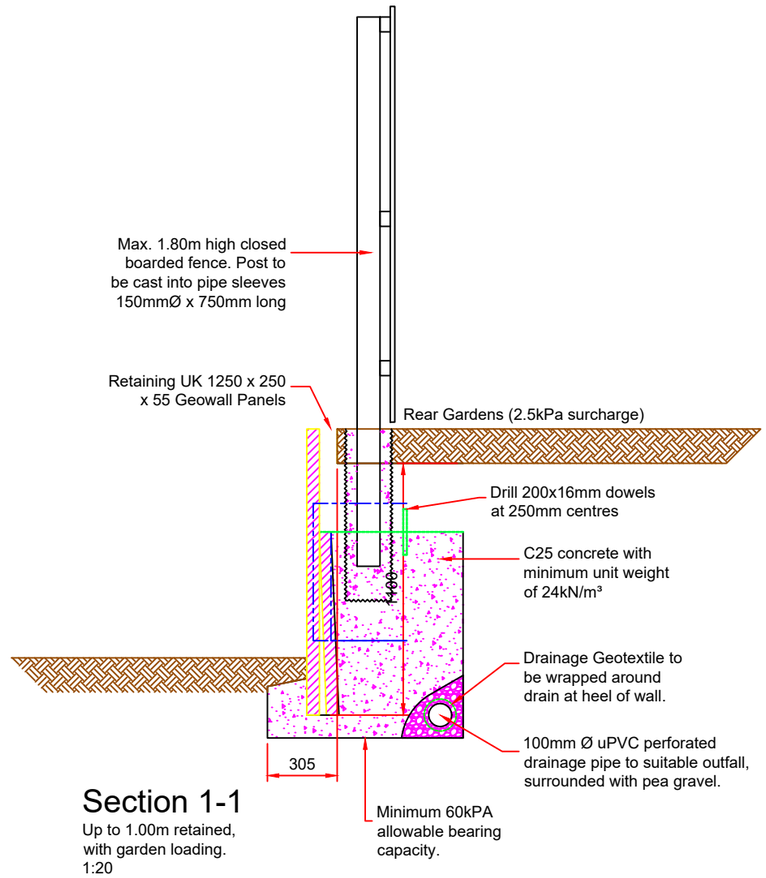


Section 1-1

Up to 1.00m retained, with garden loading.
1:20

Stage 1

Cut panel and remove concrete

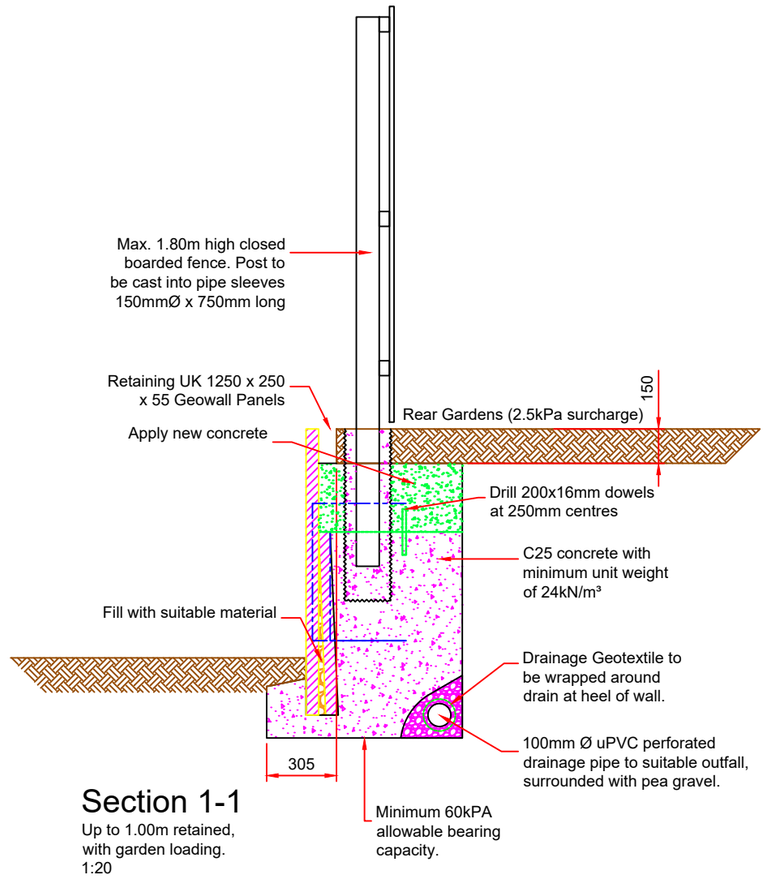


Section 1-1

Up to 1.00m retained, with garden loading.
1:20

Stage 2

Install new panel



Section 1-1

Up to 1.00m retained, with garden loading.
1:20

Stage 3

Apply new concrete

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PROJECT

DRAWING TITLE

SCALE (A3)	DRAWN	APPROVED	DATE

DRAWING No. SK01

REVISION