

- 1) ALL DIMENSIONS IN mm's UNLESS OTHERWISE SPECIFIED
- 2) FOR INSTALLATION REFER TO MANUFACTURER'S INSTALLATION GUIDE
- 3) THIS DRAWING IS FOR INDICATIVE USE ONLY AND MUST NOT BE USED FOR CONSTRUCTION. SPECIALIST DESIGN ADVICE MUST BE SOUGHT PRIOR TO CONSTRUCTION. GEOMAN LTD. WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE RESULTING FROM YOUR USE OF OR RELIANCE ON THIS DRAWING.
- 4) GROUND CONDITIONS & CREST/ TOE SLOPES CAN CHANGE THE DESIGN SIGNIFICANTLY.
- 5) BLOCK SIZES AND PLACEMENT SHOWN ARE FOR REFERENCE ONLY. INDIVIDUAL BLOCKS WILL VARY WITH PLACEMENT PATTERN.

TYPICAL GRAVITY WALL SECTION 1:40

Pedestrian protection can be installed behind the cap. Fence/ railing post sleeve dimensions to be determined based on height requirements.

300mm wide drainage column comprising of free draining aggregate, 10-20mm diameter to the rear of the blocks.

Fill all block voids in core slot and between blocks with drainage stone.

Novum wall cap block

Freestanding block

Move blocks forward during installation to engage shear knobs

Novum blocks with a batter of 5°.

APPROX. 1,00m-1,20m

MIN 200

Surcharge requirements (TBC)

Granular backfill (6N) compacted in layers in accordance with MCDHW Specification for Highways Works).

Temporary cut slope as required

150mmØ rigid PVC half-slotted drainage pipe to suitable approved outfall. Pipe to be fully roddable and regularly maintained.

Crushed stone levelling pad, depth can vary depending on design requirements. Competent foundation soils required below wall as determined by engineer.

CONCEPT ONLY
NOT FOR CONSTRUCTION



TYPICAL GEOGRID REINFORCED WALL SECTIONS

1:40

Pedestrian protection can be installed behind the cap. Fence/ railing post sleeve dimensions to be determined based on height requirements. Geogrid can be cut in the secondary direction where required to allow for the fence post sleeve.

300mm wide drainage column comprising of free draining aggregate, 10-20mm diameter to the rear of the blocks.

Novum wall top retaining block

Move blocks forward during installation to engage shear knob

Novum blocks with a batter of 5°

APPROX. 2.5m

MIN 200

Surcharge requirements (TBC)

Geogrid reinforcement spaced every 2 blocks high and extended between the blocks for a better connection. Geogrid to be rolled out perpendicularly from the front face.

Granular backfill (6l) compacted in layers in accordance with MCDHW Specification for Highways Works).

Temporary cut slope as required

150mmØ rigid PVC half-slotted drainage pipe to suitable approved outfall. Pipe to be fully roddable and regularly maintained.

Crushed stone levelling pad, depth can vary depending on design requirements. Competent foundation soils required below wall as determined by engineer.

Pedestrian protection can be installed behind the cap. Fence/ railing post sleeve dimensions to be determined based on height requirements. Geogrid can be cut in the secondary direction where required to allow for the fence post sleeve.

300mm wide drainage column comprising of free draining aggregate, 10-20mm diameter to the rear of the blocks.

Novum wall top retaining block

Move blocks forward during installation to engage shear knob

Novum blocks with a batter of 5°

APPROX. 4.5m

MIN 300

Surcharge requirements (TBC)

Geogrid reinforcement spaced every 2 blocks high and extended between the blocks for a better connection. Geogrid to be rolled out perpendicularly from the front face.

Granular backfill (6l) compacted in layers in accordance with MCDHW Specification for Highways Works).

Temporary cut slope as required

150mmØ rigid PVC half-slotted drainage pipe to suitable approved outfall. Pipe to be fully roddable and regularly maintained.

Crushed stone levelling pad, depth can vary depending on design requirements. Competent foundation soils required below wall as determined by engineer.

Pedestrian protection can be installed behind the cap. Fence/ railing post sleeve dimensions to be determined based on height requirements. Geogrid can be cut in the secondary direction where required to allow for the fence post sleeve.

300mm wide drainage column comprising of free draining aggregate, 10-20mm diameter to the rear of the blocks.

Novum wall top retaining block

Move blocks forward during installation to engage shear knob

Novum blocks with a batter of 5°

APPROX. 3.5m

MIN 200

Surcharge requirements (TBC)

Geogrid reinforcement spaced every 2 blocks high and extended between the blocks for a better connection. Geogrid to be rolled out perpendicularly from the front face.

Granular backfill (6l) compacted in layers in accordance with MCDHW Specification for Highways Works).

Temporary cut slope as required

150mmØ rigid PVC half-slotted drainage pipe to suitable approved outfall. Pipe to be fully roddable and regularly maintained.

Crushed stone levelling pad, depth can vary depending on design requirements. Competent foundation soils required below wall as determined by engineer.

1) ALL DIMENSIONS IN mm's UNLESS OTHERWISE SPECIFIED

2) FOR INSTALLATION REFER TO MANUFACTURER'S INSTALLATION GUIDE

3) THIS DRAWING IS FOR INDICATIVE USE ONLY AND MUST NOT BE USED FOR CONSTRUCTION. SPECIALIST DESIGN ADVICE MUST BE SOUGHT PRIOR TO CONSTRUCTION. GEOMAN LTD. WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE RESULTING FROM YOUR USE OF OR RELIANCE ON THIS DRAWING.

4) GROUND CONDITIONS & CREST/ TOE SLOPES CAN CHANGE THE DESIGN SIGNIFICANTLY.

5) BLOCK SIZES AND PLACEMENT SHOWN ARE FOR REFERENCE ONLY. INDIVIDUAL BLOCKS WILL VARY WITH PLACEMENT PATTERN.

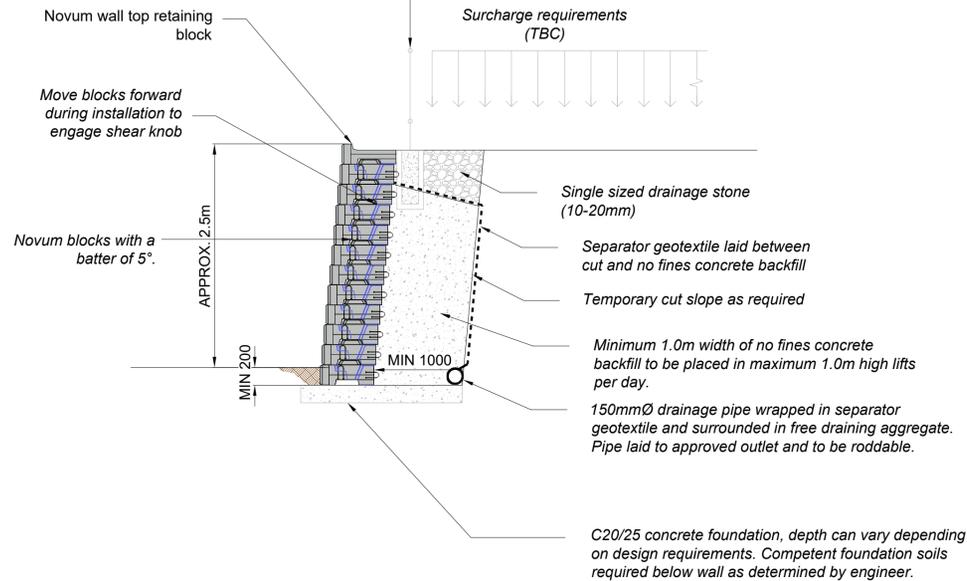
**CONCEPT ONLY
NOT FOR CONSTRUCTION**



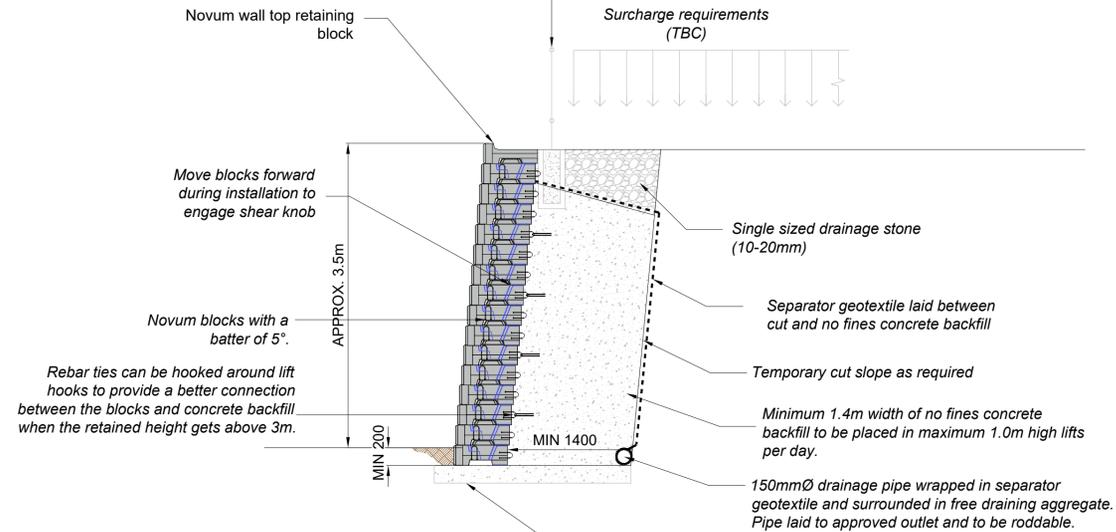
TYPICAL NO FINES CONCRETE REINFORCED WALL SECTIONS 1:40

- 1) ALL DIMENSIONS IN mm's UNLESS OTHERWISE SPECIFIED
- 2) FOR INSTALLATION REFER TO MANUFACTURER'S INSTALLATION GUIDE
- 3) THIS DRAWING IS FOR INDICATIVE USE ONLY AND MUST NOT BE USED FOR CONSTRUCTION. SPECIALIST DESIGN ADVICE MUST BE SOUGHT PRIOR TO CONSTRUCTION. GEOMAN LTD. WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE RESULTING FROM YOUR USE OF OR RELIANCE ON THIS DRAWING.
- 4) GROUND CONDITIONS & CREST/ TOE SLOPES CAN CHANGE THE DESIGN SIGNIFICANTLY.
- 5) BLOCK SIZES AND PLACEMENT SHOWN ARE FOR REFERENCE ONLY. INDIVIDUAL BLOCKS WILL VARY WITH PLACEMENT PATTERN.

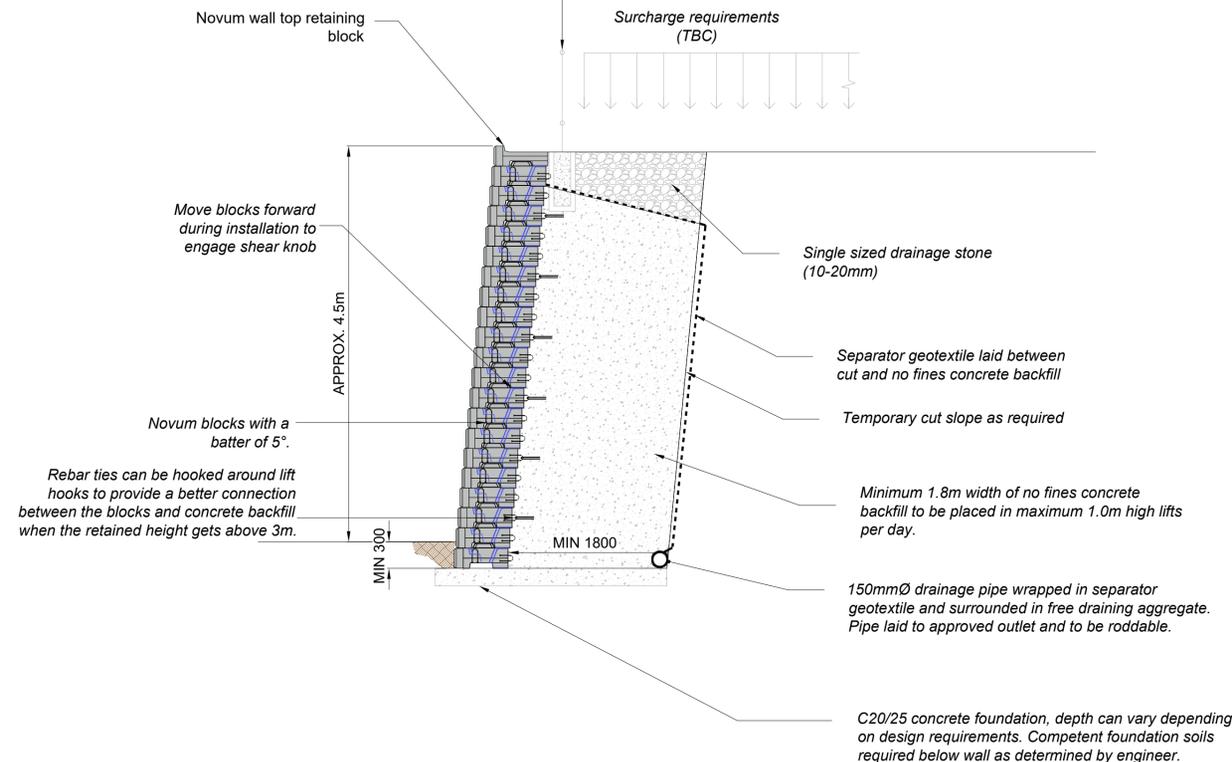
Pedestrian protection can be installed behind the cap. Fence/ railing post sleeve dimensions to be determined based on height requirements. Geogrid can be cut in the secondary direction where required to allow for the fence post sleeve.



Pedestrian protection can be installed behind the cap. Fence/ railing post sleeve dimensions to be determined based on height requirements. Geogrid can be cut in the secondary direction where required to allow for the fence post sleeve.



Pedestrian protection can be installed behind the cap. Fence/ railing post sleeve dimensions to be determined based on height requirements. Geogrid can be cut in the secondary direction where required to allow for the fence post sleeve.



**CONCEPT ONLY
NOT FOR CONSTRUCTION**

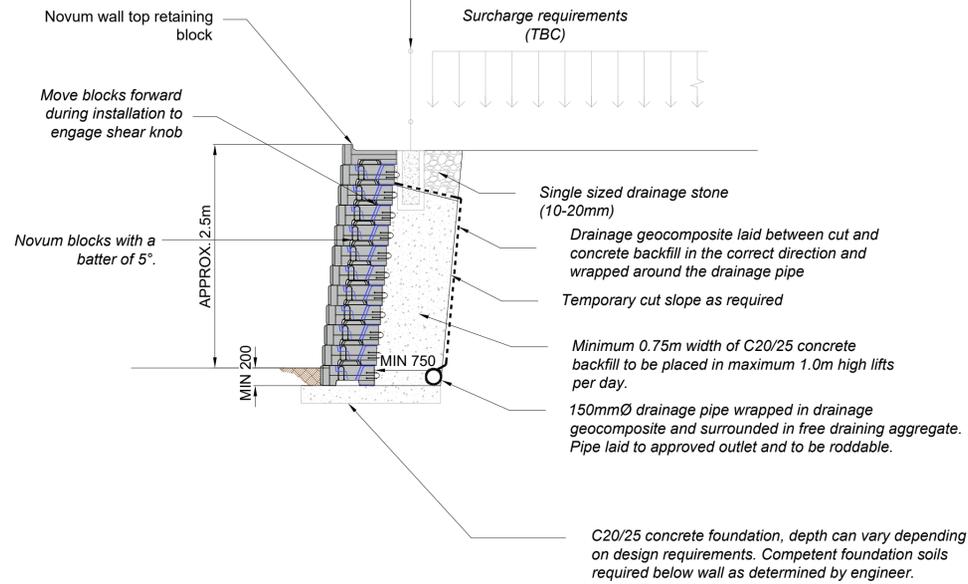


TYPICAL C20/25 CONCRETE REINFORCED WALL SECTIONS

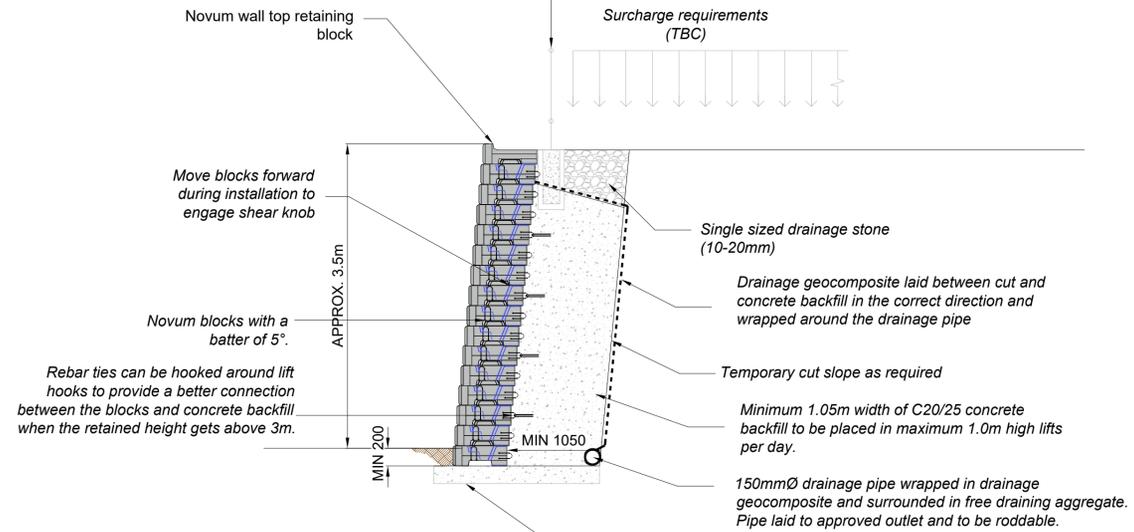
1:40

- 1) ALL DIMENSIONS IN mm's UNLESS OTHERWISE SPECIFIED
- 2) FOR INSTALLATION REFER TO MANUFACTURER'S INSTALLATION GUIDE
- 3) THIS DRAWING IS FOR INDICATIVE USE ONLY AND MUST NOT BE USED FOR CONSTRUCTION. SPECIALIST DESIGN ADVICE MUST BE SOUGHT PRIOR TO CONSTRUCTION. GEOMAN LTD. WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE RESULTING FROM YOUR USE OF OR RELIANCE ON THIS DRAWING.
- 4) GROUND CONDITIONS & CREST/ TOE SLOPES CAN CHANGE THE DESIGN SIGNIFICANTLY.
- 5) BLOCK SIZES AND PLACEMENT SHOWN ARE FOR REFERENCE ONLY. INDIVIDUAL BLOCKS WILL VARY WITH PLACEMENT PATTERN.

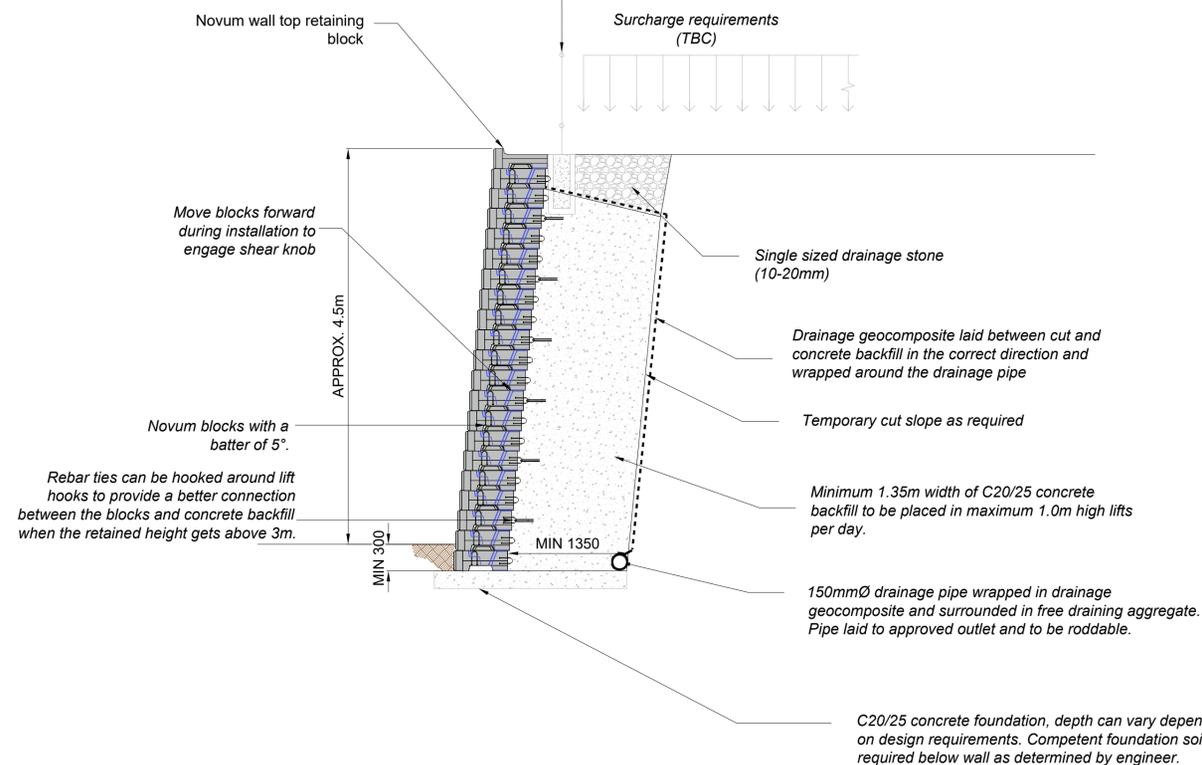
Pedestrian protection can be installed behind the cap. Fence/ railing post sleeve dimensions to be determined based on height requirements. Geogrid can be cut in the secondary direction where required to allow for the fence post sleeve.



Pedestrian protection can be installed behind the cap. Fence/ railing post sleeve dimensions to be determined based on height requirements. Geogrid can be cut in the secondary direction where required to allow for the fence post sleeve.



Pedestrian protection can be installed behind the cap. Fence/ railing post sleeve dimensions to be determined based on height requirements. Geogrid can be cut in the secondary direction where required to allow for the fence post sleeve.



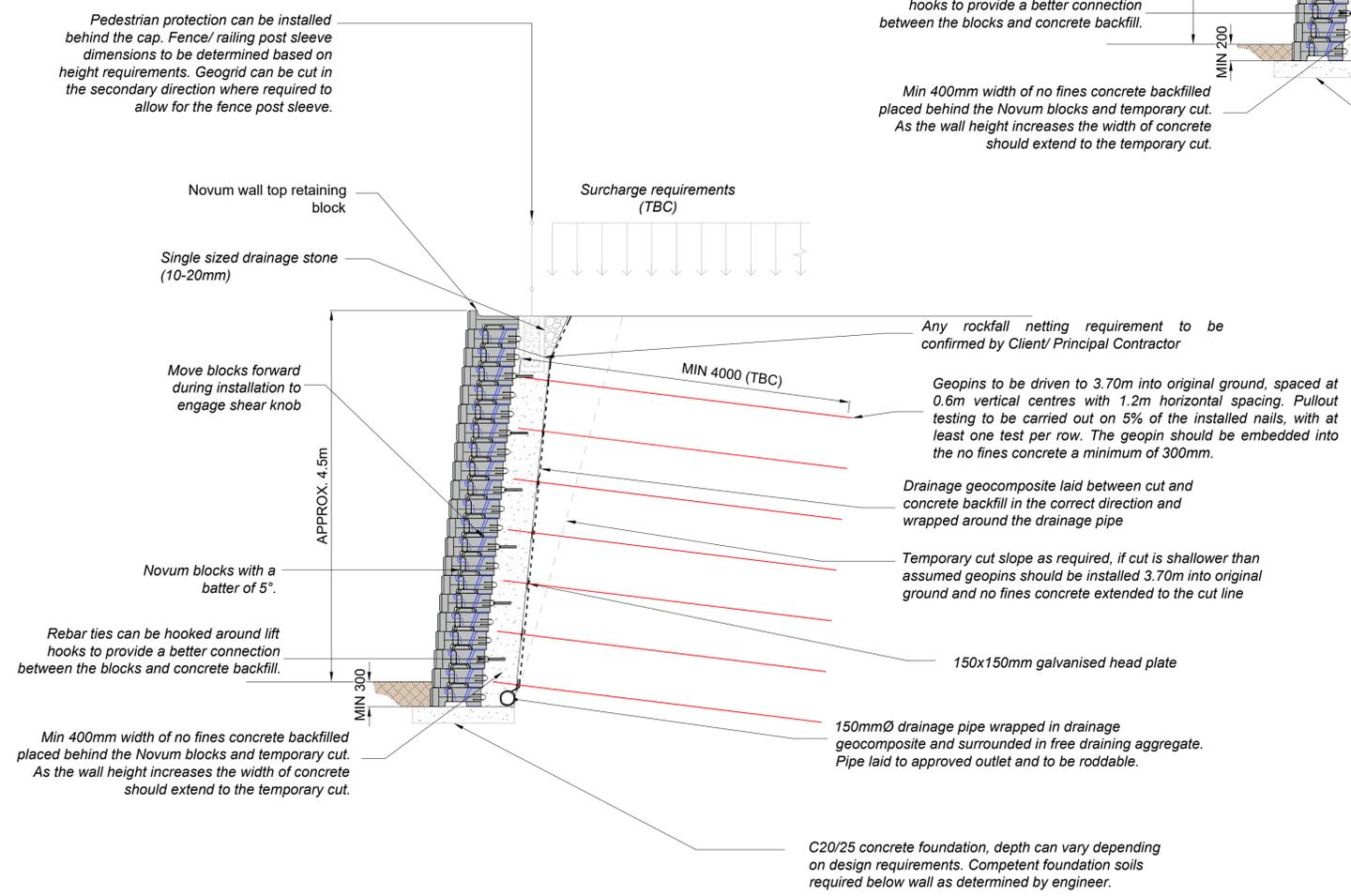
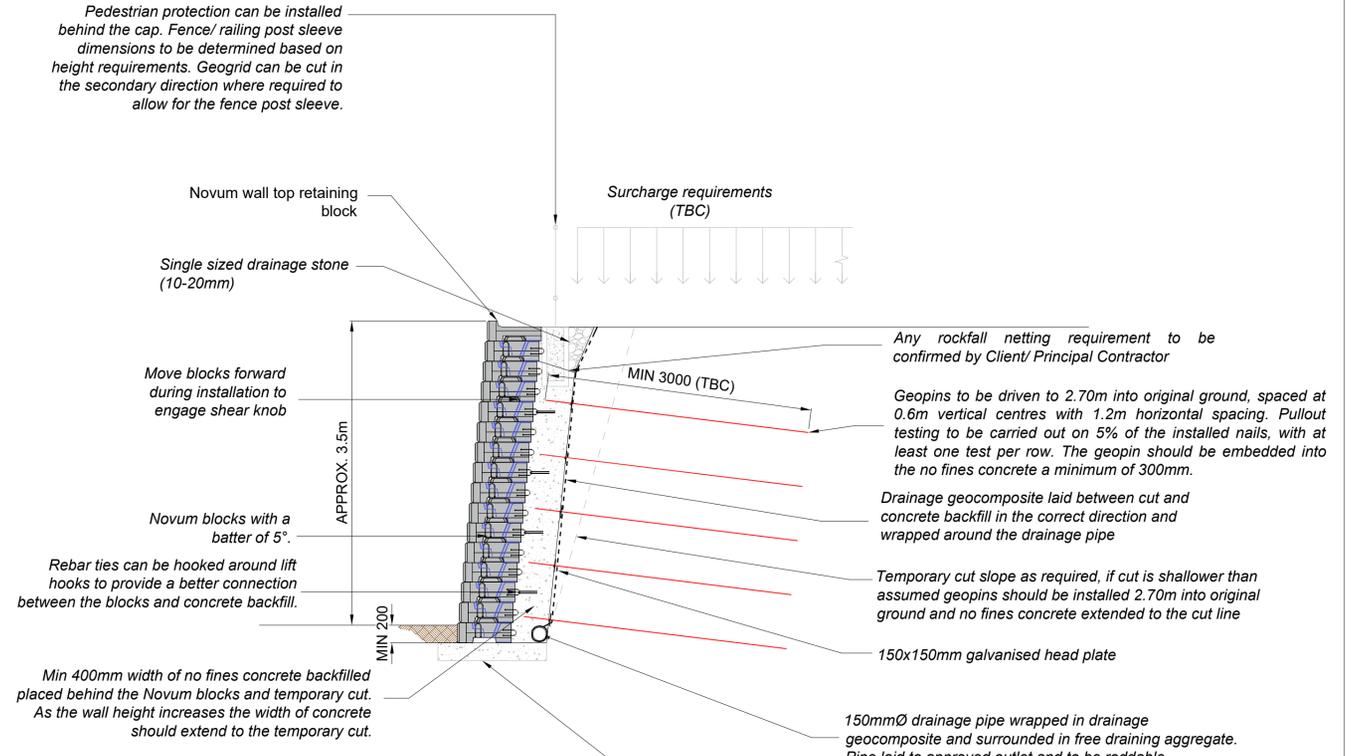
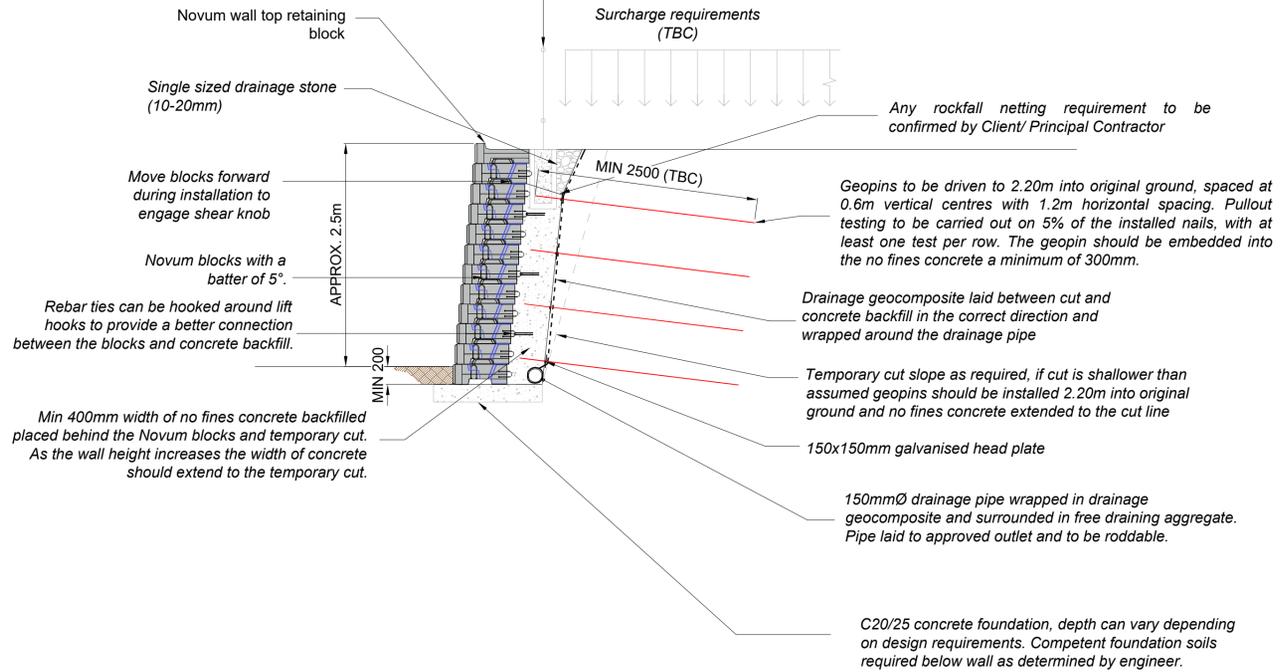
**CONCEPT ONLY
NOT FOR CONSTRUCTION**



TYPICAL GEOPIN REINFORCED WALL SECTIONS

1:40

- 1) ALL DIMENSIONS IN mm's UNLESS OTHERWISE SPECIFIED
- 2) FOR INSTALLATION REFER TO MANUFACTURER'S INSTALLATION GUIDE
- 3) THIS DRAWING IS FOR INDICATIVE USE ONLY AND MUST NOT BE USED FOR CONSTRUCTION. SPECIALIST DESIGN ADVICE MUST BE SOUGHT PRIOR TO CONSTRUCTION. GEOMAN LTD. WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE RESULTING FROM YOUR USE OF OR RELIANCE ON THIS DRAWING.
- 4) GROUND CONDITIONS & CREST/ TOE SLOPES CAN CHANGE THE DESIGN SIGNIFICANTLY.
- 5) BLOCK SIZES AND PLACEMENT SHOWN ARE FOR REFERENCE ONLY. INDIVIDUAL BLOCKS WILL VARY WITH PLACEMENT PATTERN.



**CONCEPT ONLY
NOT FOR CONSTRUCTION**

