Tobermore

Hard landscaping. **Made easy.**

Tobermore Technical Proposal

Pulborough

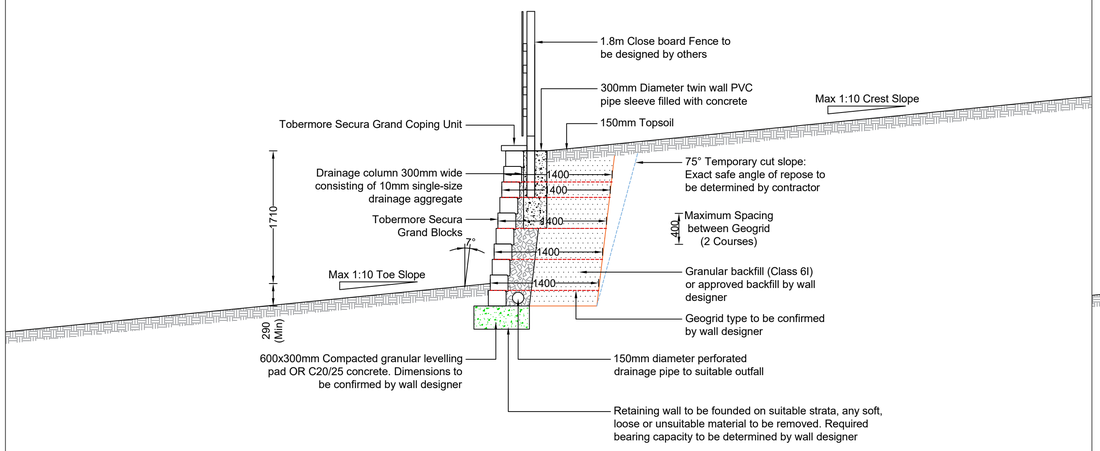




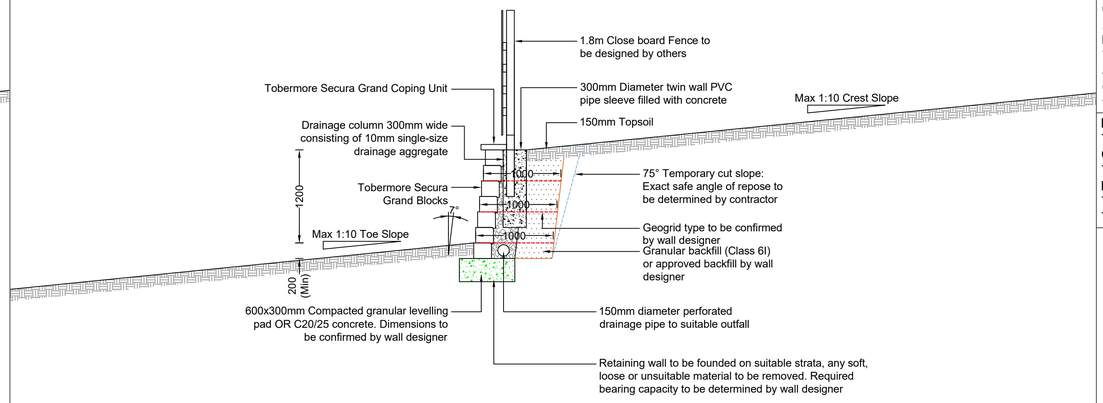
Barratt Redrow



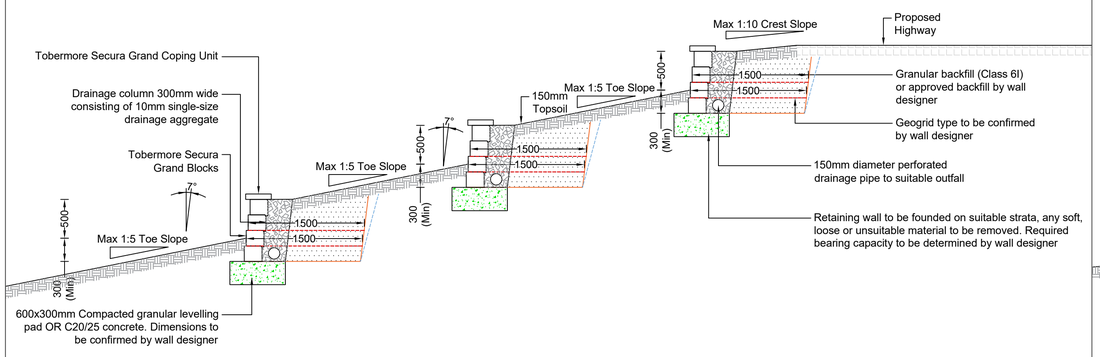
Indicative Section A-A, 1.71m Geogrid Reinforced Wall 1:40



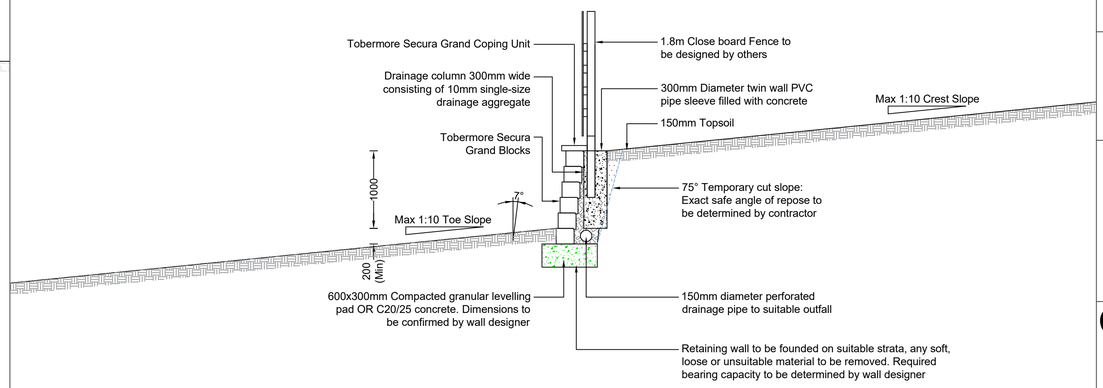
Indicative Section B-B, 1.2m Geogrid Reinforced Wall 1.40



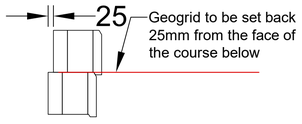
Indicative Section C-C, 0.5m Tiered Geogrid Reinforced Wall 1.40

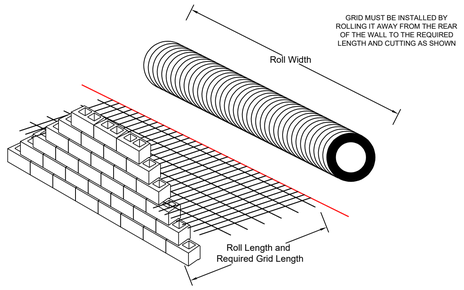


Indicative Gravity Section 1.0m Gravity Wall with Fence 1:40



Geogrid Placement Detail:





Geogrid Placement Rules:

1- The first layer of geogrid must be placed on the 1st course of Secura Grand.

2- Acending layers of geogrid must not be spaced more than 600mm apart or 3 courses of Secura Grand.

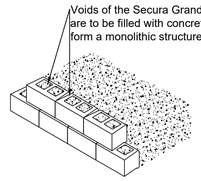
3- The final layer of geogrid must be placed no further than 400mm or 2 courses of Secura Grand from the finished ground level.

4- Where layers of geogrid step up or down there should be an overlap of geogrid layers to ensure all of the wall is reinforced. Where corners and curves are present placement of geogrid should be done as per Tobermore's installation guidelines.

5- Geogrid tail lengths for higher panels of wall should be used for intermediate panels of wall.

6- Geogrid must be installed by rolling it out perpendicular to the wall and cutting to the required length, the grid must not be rolled out longitudinally along the wall.

NHBC Concrete Infill Detail:



Concrete Backfill Rules:

1- Concrete specification to match that as specified by the appointed geotechnical engineer at formal design stage. A typical specification can be found in the Tobermore Technical guide available at www.tobermore.co.uk

2- The concrete backfill must be pokered into the voids in and behind the Secura blocks to create a monolithic structure.

3- This detail is to only be implemented on walls that require NHBC approval OR where geogrid tails are not feasible.

Disclaimer:
1- ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
2- FOR INSTALLATION REFER TO THE TECHNICAL GUIDE AVAILABLE FROM www.Tobermore.co.uk
3- ALL REFERENCES ARE TO THE LATEST BRITISH STANDARD AND EUROPEAN STANDARDS.
4- ALL DESIGNS SHOULD BE CHECKED BY A QUALIFIED ENGINEER.
5- SPECIALIST DESIGN ADVICE SHOULD BE SOUGHT PRIOR TO CONSTRUCTION.
6- TOBERMORE CONCRETE Ltd WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE RESULTING FROM THE USE OR RELIANCE ON THIS DRAWING.
7- REFER TO THE SUPPORTING DOCUMENTATION.
8- FOR BBA/HAPAS CONFIRMING WALLS, THE SPECIFIED GEOGRID COMPONENT WITHIN BBA CERTIFICATE 15/H230 WILL BE REQUIRED.

NOTES:
THIS DOCUMENT IS FOR PRELIMINARY USE ONLY, FULL CONSTRUCTION DRAWINGS CAN BE COMMISSIONED THROUGH ONE OF TOBERMORE'S ENGINEERING PARTNERS. IF YOU WOULD LIKE A QUOTE TO COMPLETE THIS WORK PLEASE CONTACT YOUR LOCAL TOBERMORE REPRESENTATIVE.

REV	DATE	BY	APPROVED
E	10/11/2026	MMI	CM
D	05/08/2026	SA	-
C	27/10/2025	GD	-
B	08/10/2025	GD	-
A	05/02/2025	GD	-
0	03/12/2024	SA	-

-FEASIBILITY ONLY-

-NOT FOR CONSTRUCTION-

Designer:

Tobermore

Customer:

Barratt Redrow

Project Title:

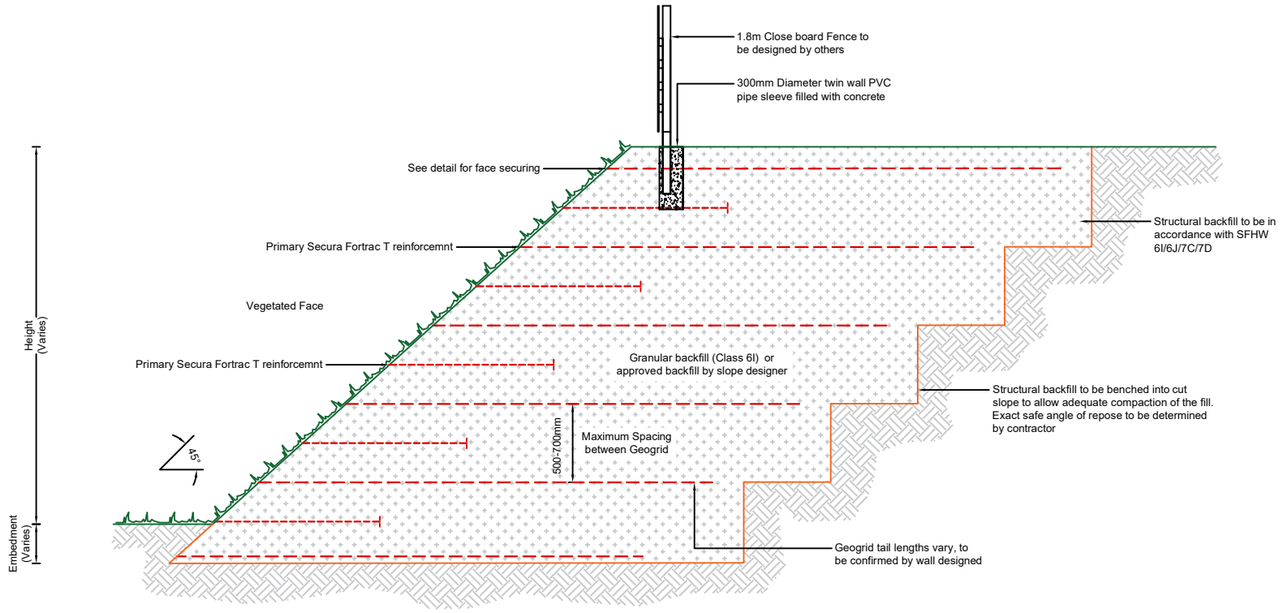
Pulborough

Drawing Title:

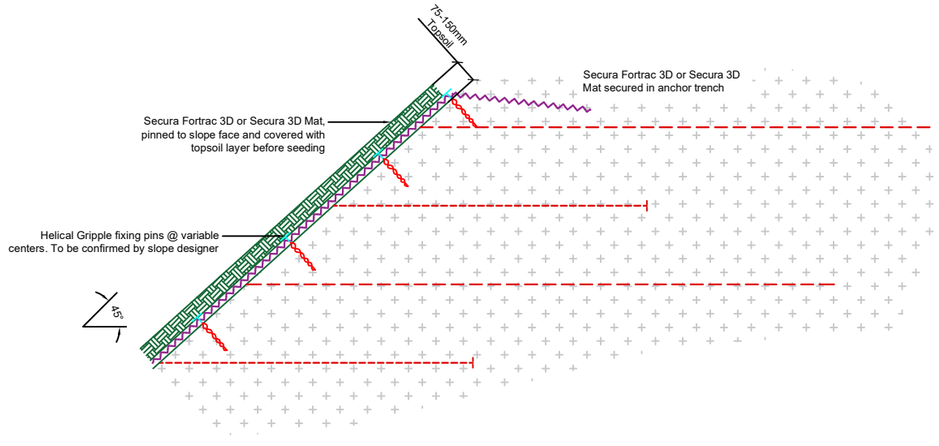
Tobermore Secura Grand Retaining Wall Details

Page:	Sheet 1 of 1	Drawn:	MMI
Ref:	TSE-01982-A		
Date:	10/11/2026		Rev: E

Scale AS INDICATED



Typical Section of Secura Slope 45°



Facing Detail

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-FEASIBILITY ONLY-

-NOT FOR CONSTRUCTION-

Designer:

Tobermore

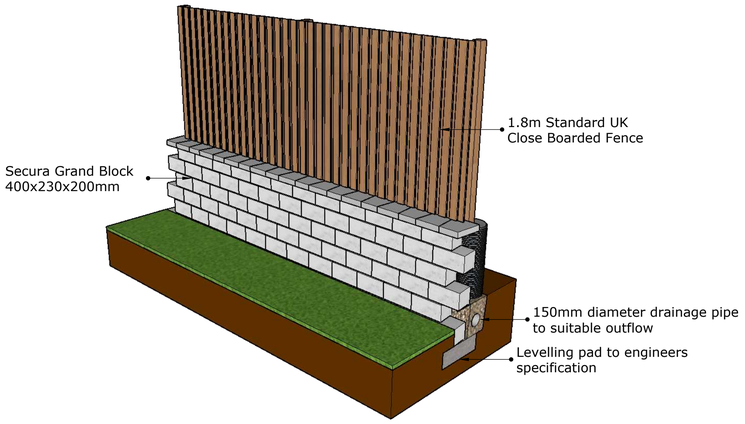
Drawing Title:

Tobermore Secura Slope 45° Sections

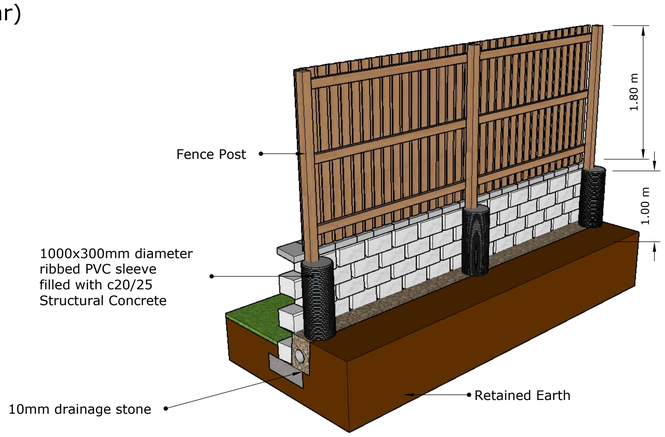
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Scale NOT TO SCALE

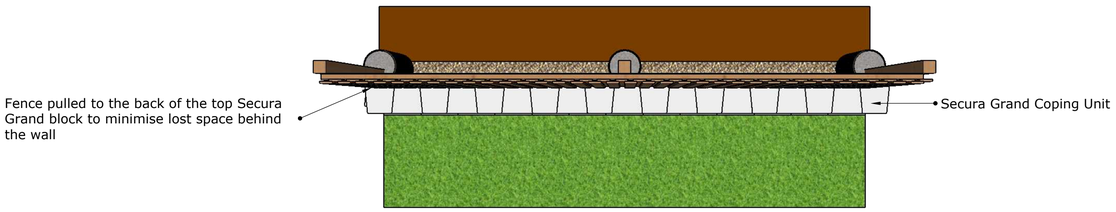
3D View (Front)



3D View (Rear)



Plan View



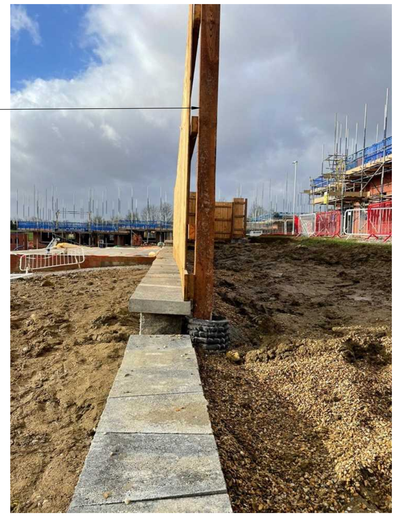
Front View



Rear View



Sectional View



Disclaimer:

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You are strongly advised NOT to progress with the design contemplated by this drawing until a detailed design drawing has been prepared by a qualified engineer or architect on the basis of a detailed site survey. If the design contemplated by this drawing is constructed on the basis of this drawing only, this will be entirely at your own risk, and without liability on the part of Tobermore. This drawing is to act as construction suggestions based on the Tobermore Concrete Products Limited Installation guidelines. A full copy of these can be obtained from our website.
Tobermore does not exclude or limit in any way its liability to you where it would be unlawful to do so. This includes liability for death or personal injury caused by our negligence and for fraud or fraudulent misrepresentation. In all other respects, Tobermore excludes and/or limits its liability to the maximum possible extent permitted under applicable law. In no circumstances shall Tobermore be liable to you for any loss of profit, loss of business, business interruption, loss of business opportunity, or any indirect or consequential loss or damage whatsoever, arising under or in connection with this preliminary design, even if Tobermore was aware of the possibility that such loss or damage might be incurred by you.

Ref: Tobermore Construction Support Pack

Secura Grand Block 400x230x200mm

Secura Grand Corner Block

Secura Grand Coping Unit

Secura Grand Cut Block

Title:

Standard Fence Detail

Designer:

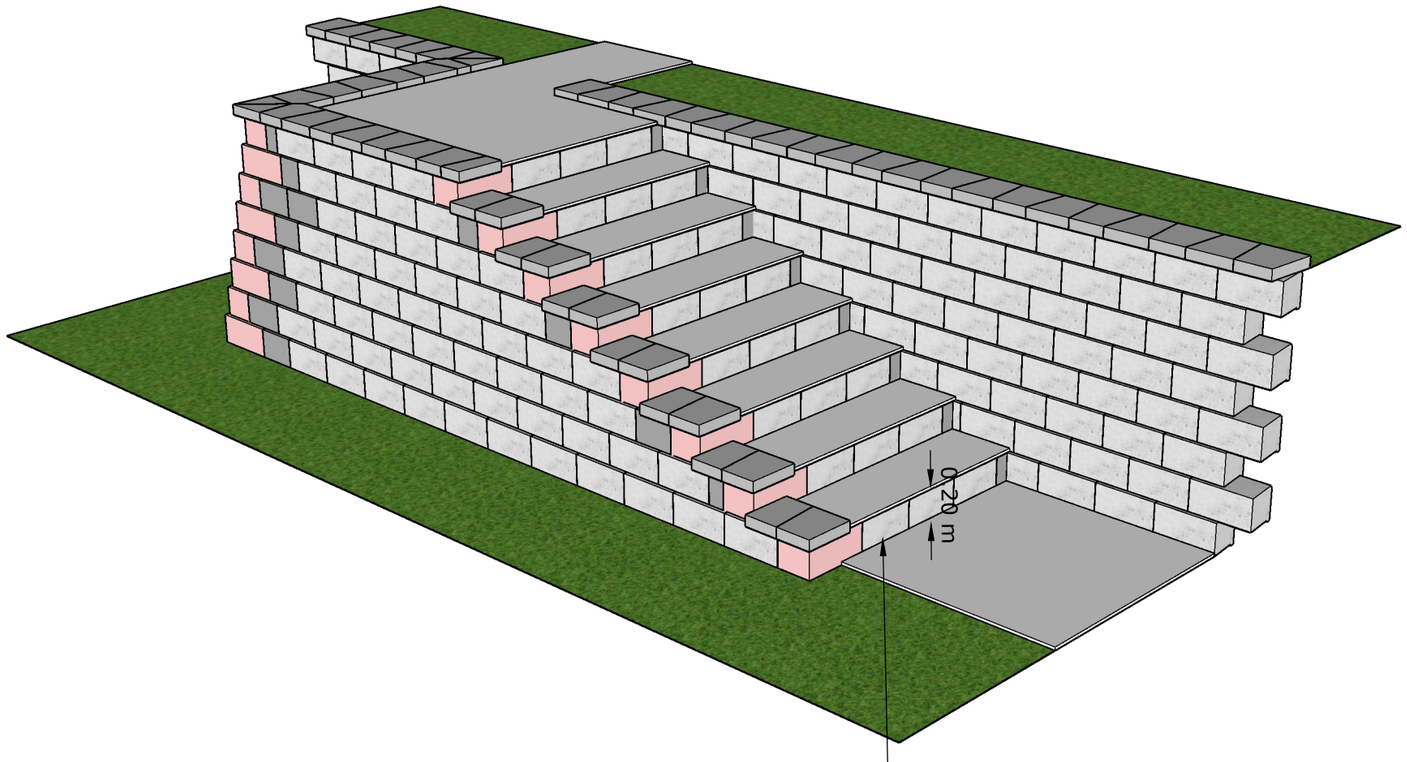
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Step Construction Info:

Tobermore produce a wide range of paving materials with co-ordinating step components. Refer to local building regulations for step design detail.

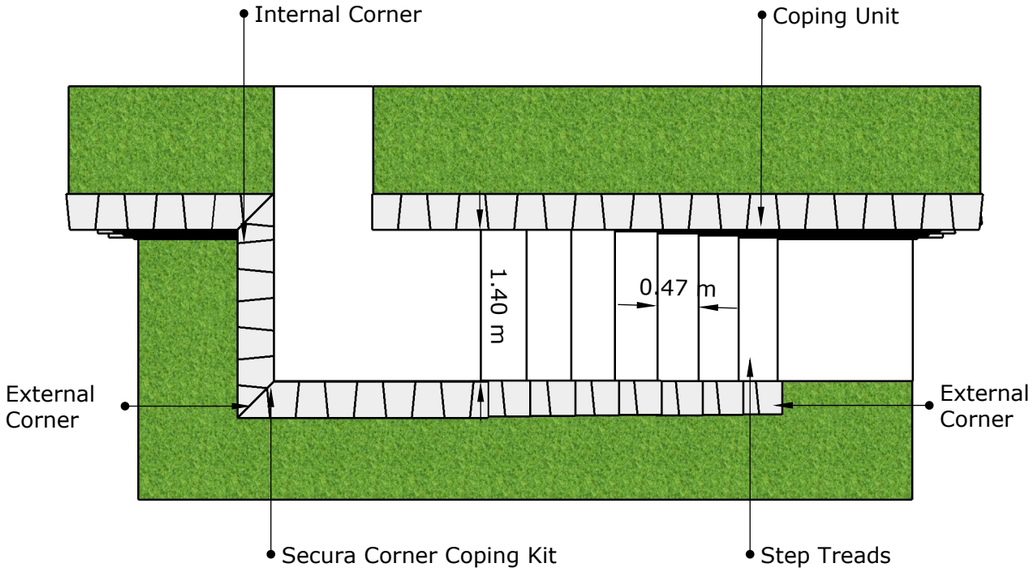
If load bearing fixtures such as hand rails are to be fitted then these should be identified at the planning stage and the block voids should be filled with C20/25 concrete at the appropriate sections of wall. This is to ensure the maximum anchorage for the fixings in the event that they penetrate the block voids.

3D View

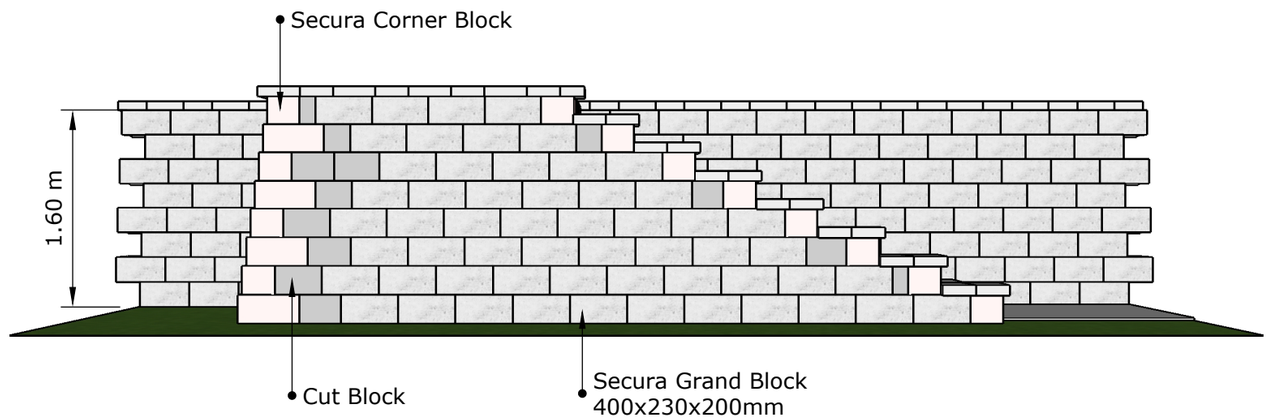


Secura Grand used as step risers.

Plan View



Front Elevation



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Title: 1.6m Parallel Steps - Secura Grand

Ref: Secura Niche Details

Secura Grand Block

Secura Grand Corner Block

Secura Grand Cut Block

Secura Grand Coping

Tobermore

Tobermore Technical Proposal

Retaining Walls

Why Secura Retaining Walls?

- Cost effective retaining wall product
- Quick to install
- Mortar-free installation
- Builds up to 9m retained height
- Engineered for strength
- Attractive stone finish with a range of colour options
- Vibrant long-lasting colours
- Full design and technical support available
- BBA HAPAS approved
- Can be paired with Geogrid to form reinforced soil walls for retaining structures

Bracken



Heather



Slate



Dune



FAQs

How tall can I build a Secura Grand wall?
Gravity walls can typically be built up to 1m high. Geogrid-reinforced walls can be built much higher and are BBA/HAPAS certified up to 9m. The maximum height depends on the wall design, ground conditions, and reinforcement requirements.

What material should I use for my levelling pad?
Use a compacted Type 1 granular aggregate as the levelling pad. For taller walls, a semi-dry or lean-mix concrete base is recommended.

What should I fill the block voids with?
Fill the block voids with the same material placed directly behind the wall. For example, use 10mm drainage stone for gravity walls or concrete for concrete backfilled walls.

Can I construct stairs with Secura?
Yes. Secura Grand blocks can be used as step risers to create a range of staircase designs. Contact Tobermore or visit FastFind for construction details.

Can Secura walls be adopted by a Highways Authority?
Yes. Secura Grand is BBA and HAPAS approved, making it suitable for adoption by Highways Authorities where required.

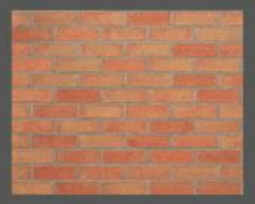
Tobermore Technical Proposal

Kingston

Kingston delivers a smooth, refined facing brick finish with strong colour choice, reliable supply and the durability needed for modern housing developments.

- Smooth, sophisticated facing brick for clean, contemporary elevations.
- A versatile choice for schemes that need a sharp, consistent finish across multiple plots or phases.
- Helps keep fast-moving housing projects on programme, with on-time delivery and quick installation
- Strong, durable and frost-resistant, comfortably exceeding standard facing brick performance requirements.
- Eight colour options, ranging from warm reds and gold tones to understated greys and charcoal.

Autumn Gold



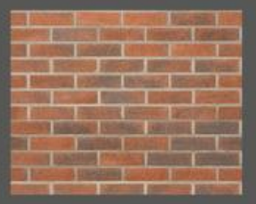
Burren



Charcoal



Cottage Red



Moorland



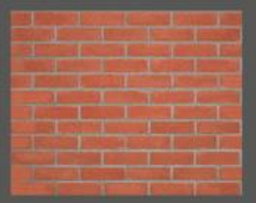
Multi Buff

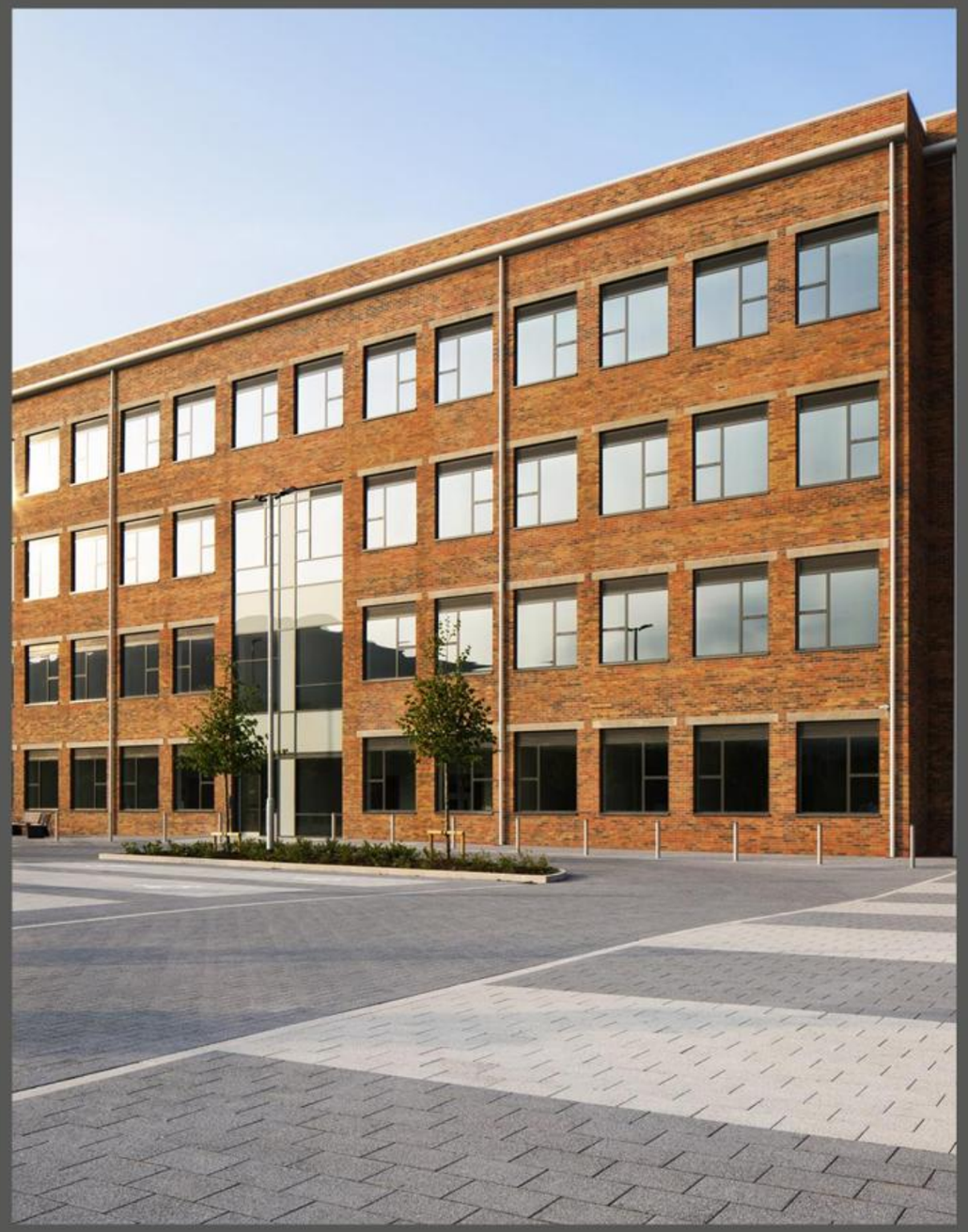


Slate



Warm Red





Tobermore Technical Proposal

Lansdowne

Lansdowne brings a warm, aged facing brick character to new homes, ideal where the design needs heritage appeal with dependable modern performance.

- Tumbled finish creates an aged, rustic appearance with warmth and character.
- Designed to bring a timeless, heritage feel to both modern and period-style properties.
- Adds style, definition and visual depth to façades without looking overly uniform.
- Well suited to developments where the design brief calls for warmth, charm and a more established appearance from day one.
- Available in a wide range of vibrant, long-lasting colours, including solid and blended options.

Autumn Gold



Burren



Charcoal



Cottage Red



Heather



Meadow Gold



Moorland



Multi Buff



Slate





Working with us
The next steps

Proposal review
Provide Tobermore with comments regarding the product system.

Value engineering
Once your estimate has been reviewed and considered your Tobermore Specialist can sit down with the project team and discuss additional ways we can value engineer the site.

Tender stage
Submit your estimate to Commercial Team and tendering contractors to price up the product package.

Tender calculator
Request the use of the Tender Calculator by your tendering contractors to ensure accurate pricing.

Formal design/construction drawings
Obtain fee for Formal Design via your dedicated account manager and appoint the consultant to produce construction drawings.







Disclaimer

The design of any construction solution requires the input of a suitably qualified engineer to assess the unique conditions of each site, including loading requirements, ground conditions and soil characteristics. Any advice, typical designs or details contained within this document are provided for information only to assist with initial planning and estimating and must not be used for construction purposes.

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Thank you for considering Tobermore for your project.

Regards,
Tobermore







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roisales@tobermore.ie
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Instructions & Warnings
Scan here to access our Instructions and Warnings document for additional requirements and guidance.