

CAPABILITY STATEMENT 09—RETAINING STRUCTURE DESIGN AND VERIFICATION

Design, Specification, Construction Support and Verification of Retaining Structures

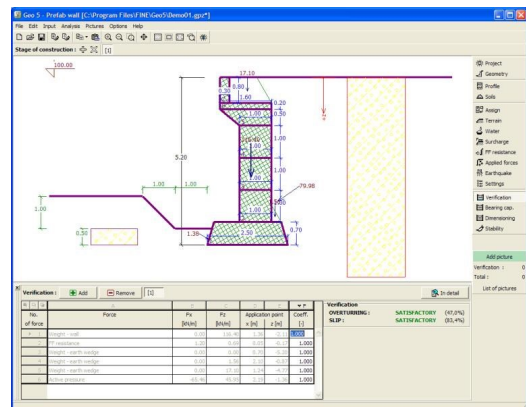
IS YOUR PROJECT BEING HELD UP?

If not, why not? With today's increasingly ambitious construction, both above and below ground, the use of ground retaining systems is becoming commonplace for even relatively modest projects.

It is fundamental for the design, specification and construction of retaining structures to understand what is going on below the ground and what is being supported. This is where the geotechnical engineer comes in.

No two retaining structures are the same—each is specifically designed and constructed to meet different needs, be it a simple metre-high retaining wall or a 30 m deep anchored excavation for a multiple level basement.

We can provide geotechnical services for gravity retaining walls, diaphragm walls for deep excavations, sheet piling, soldier piles or contiguous piles for basements and other temporary or permanent excavations, wet wells (including fully saturated conditions) created by permeation or jet grouting, deep soil mixing (DSM) columns and more.



WHAT ARE THE STEPS INVOLVED?

Design of retaining structures start with a concept but before it can be progressed, there are fundamental matters that need to be investigated in the field. The steps involved are as follows:

- Sub-surface investigation including in-situ testing and laboratory testing
- Retaining structure design taking into account the constraints of the project (available space, cost, time)



- Specification, drawings and design reports
- Review of proposals from contractors
- Construction support
- Quality Assurance
- Verification reporting

GALT GEOTECHNICS PTY LTD

50 Edward Street
OSBORNE PARK WA 6017

Phone: (08) 6272 0200
Mobile: 0438 111 360

E-mail: owen.woodland@galtgeo.com.au

CAPABILITY STATEMENT 09—RETAINING STRUCTURE DESIGN AND VERIFICATION

Design, Specification, Construction Support and Verification of Retaining Structures

WHAT CAN WE DO FOR YOU?

We have the in-house expertise to understand what is required for your retaining structure, including statutory requirements. We can take your project through from concept to completion.

From geotechnical investigation and concept design through to design, specification, documentation and tender, we can provide a full package that will get the project through to contract award.

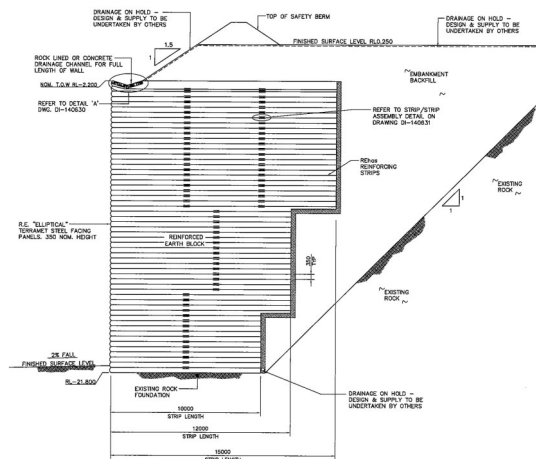
We consider that construction support and quality assurance of the retaining structure (including anchoring) and the associated proof testing is an essential part of the pro-design of a retaining structure. We have the on-site support you need to review your contractor's activities, ensure that the specification is being followed and to undertake quality assurance testing for verification reporting.

At the end of the project, we can write up a close-out verification report for inclusion in the project documentation. In this way, we can make sure that your retaining structure is built the right way.

ON TIME AND ON BUDGET

We will always strive to provide you with an understanding of what is required for the engineering, testing and quality assurance for your retaining structure up front. We will be there when the tender is developed and specifications are written to provide the geotechnical input that is needed to ensure quality.

We will always make ourselves available to be support the construction and testing for your retaining structure so that we can make sure that everything is going to plan.



RETAINING STRUCTURE DESIGN AND VERIFICATION

Galt can help. Give us a call and we can discuss your needs.

GALT GEOTECHNICS PTY LTD

50 Edward Street
OSBORNE PARK WA 6017

Phone: (08) 6272 0200
Mobile: 0438 111 360

E-mail: owen.woodland@galtgeo.com.au