

Shadforths Civil Pty Ltd
99 Sandalwood Lane,
Forest Glen, QLD, 4556

Project Number: PTG/01554
Letter Number: PTG/01554 – 0040 – Rev0
Project Name: Skyridge Stages 10-14

Email: Myles.Naley@shadcivil.com.au

Geotechnical Certification
Global Stability Certification for Residential Development
SkyRidge Stage 13 & Flood Bund 3

1 INTRODUCTION

At the request of Shadforths, PTG Consulting (PTG) has previously undertaken global stability analysis and provided construction advice for retaining walls within Stages 10-14 and Flood Bund 3 of the SkyRidge Development.

The global stability assessment letter reports listed below provide the results of these analyses and related recommendations;

- PTG/01554 – 0001 – Rev1
- PTG/01554 – 0006 – Rev1
- PTG/01554 – 0021 – Rev0
- PTG/01554 – 0024 – Rev0
- PTG/01554 – 0030 – Rev1
- PTG/02621 – 0002 – Rev0

This letter references sections of Stage 13 and Flood Bund 3 analysed or referenced within the above letter reports and provides geotechnical certification for the global stability of the retaining walls and cut/fill batters relating to this area.

Protest CMT undertook Level 1 supervision during the placement of the fill for which a separate Level 1 Earthworks Certification Reports will be issued.

2 SUPPLIED DOCUMENTS

The following supporting documentation was provided and relied upon for the certification:

- Form 12 for the boulder retaining wall, dated 7 July 2026 by Morgan Consulting Engineers Pty Ltd;
- Form 12 for concrete foundations and core filled concrete block wall, dated 29 June 2026 by GC Structural Engineers Pty Ltd;
- Form 12 for grouted rock wall, dated 3 July 2026 by HMCS Qld Pty Ltd; and
- A set of Form 12 for the Concrete sleeper retaining walls, dated 23 September 2025, 30 October 2025 and 2 July 2026 by Morgan Consulting Engineers Pty Ltd.

3 GLOBAL STABILITY AND CONSTRUCTION CERTIFICATION

The global stability analysis undertaken previously by PTG indicated a Factor of Safety (FoS) greater than 1.5, for the sections analysed in Stage 13 and Flood Bund 3, based on the fill material properties and relevant wall embedment depths used during the analysis.

Site inspections of Stage 13 and Flood Bund 3 were carried out by a RPEQ Engineer on 25 and 29 June 2026, during the final stages of the bulk earthworks.

Based on the referenced documentation listed above, site inspection, and supervision of the placement and compaction of controlled fill, the retaining walls and cut/fill batters appear to have been constructed generally in accordance with PTG's recommendations.

Accordingly, this certification is to confirm that the earth retaining structures, cut/fill batters and Flood bund 3 have been constructed to achieve a long-term factor of safety of at least 1.5 against global geotechnical instability.

All advice, landslide risk mitigation measures and recommendations of the geotechnical report titled: "Preliminary Geotechnical Investigation, Landslip Hazard Risk Assessment and Global Stability Assessment, Proposed Residential Development SkyRidge – Stages 10 to 14, Hinkler Drive, Worongary", prepared by Douglas Partners, Ref: 210286.00, dated 22 November 2022, has been complied with and implemented on site.

We trust this information is satisfactory for your current needs. Should you have any questions, please feel free to contact the undersigned.

Regards,

PTG Consulting



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PTG Consulting



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Attachments:

Standard Pro-forma for Geotechnical Certification

**Standard Pro-forma for
Geotechnical Certification**

Property Details

Lot Number	Lots 1301 - 1384, Lots 8014, 8015, 918 & 921
Registered Plan Number	Lot 5000 SP324840
Address	Lot 5000 Village Promenade, Worongary QLD 4213

Proposed Works: Certification of Condition 17 of OPW/2023/1024 decision notice (Stage 13)

Proposed Development: Subdivision - SkyRidge Stage 13 & Flood Bund 3

I, Justin Taing, RPEQ No. 30087, of PTG Consulting Pty Ltd, being duly authorised on this behalf do certify that:-

- All advice, landslide risk mitigation measures and recommendation of the geotechnical report titled: "Preliminary Geotechnical Investigation, Landslip Hazard Risk Assessment and Global Stability Assessment, Proposed Residential Development SkyRidge - Stages 10 to 14, Hinkler Drive, Worongary", prepared by Douglas Partners, Ref: 210286.00, dated 22 November 2022, has been complied with and implemented on site.
- All constructed retaining structures on site/ within the stage achieved adequate stability with a long-term factor of safety greater than or equal to 1.5 against geotechnical failure.
- Based on the retaining wall designs provided, all retaining structures on site/ within the stage are designed based on existing geotechnical conditions of the site taking into account all predicted surcharge loading.
- All constructed cut/fill batters associated with the proposed development have achieved a long-term factor of safety greater than or equal to 1.5 against global geotechnical failure.
- Based on the earthworks plans provided, all cut/fill batters associated with the proposed development have been designed to achieve long term factor of safety greater than or equal to 1.5 against global geotechnical failure.
- All earthworks are carried out in accordance with AS3798-2007: Guidelines on earthworks or commercial and residential developments.
- Inspection and testing of all earthworks were carried out to Level 1 and the frequency of field density testing is in accordance with Table 8.1 of AS3798-2007
- Fill materials were placed in layers, watered if required and compacted to achieve the specified density ration as specified in Table 5.1 - Minimum Relative Compaction of AS3798-2007.

I am aware that the City of Gold Coast will rely upon this certificate and any associated geotechnical reports, maps, graphs, tables, attachments, etc, produced as a consequence of commissioning this technical assessment.

Signed:



Justin Taing RPEQ 30087

Designation: Regional Director - Geotechnical

Certified this: Eighth Day of July 2026