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# Statement of Structural Design Intent

**Date** 31.10.2024

**Attention** Joseph Ormaechea

**C/o** Wallhouse Holdings Pty Ltd

**Address** PO BOX 14 Hunters Hill NSW 2110

**Project Description** New Residence – Wimbledon House

**Site Address** 2A Allen Avenue, Bilgola Beach, NSW 2107

We, Partridge Structural Pty Limited, being professional Structural Engineers within the meaning of the National Construction Code, hereby confirm that we have been appointed structural engineers for the above project and have been engaged to review the proposed architectural design for the building at 2A Allen Avenue, Bilgola NSW.

## 1. Documentation Reviewed

We have reviewed the following documentation:

- Proposed DA architectural drawings prepared by Ursino Architects and SAOTA, numbered DA0-00 DA5-08, revision A, dated 25.10.2024.

## 2. Proposed Building Description

The proposed works involve demolition of the existing two-storey residence and construction of a new three-storey residence (plus one basement level) and tennis court.

The surrounding topography slopes from west down towards the east with an existing retaining wall to the western boundary and returning along the north and south boundaries until the ground levels off. The proposed works involve lowering the existing ground level by approximately 6.5m at the western end of the site. Existing geotechnical information indicates the underlying ground conditions to consist of fill and residual sands/clays overlying bedrock at varying depths below the existing ground level. As such, temporary and permanent shoring walls will be required adjacent the boundaries. Due to the presence of existing retaining walls, the new shoring walls will likely be offset inboard from the boundaries.

## 3. Statement of Structural Design Intent

Based on our review, it is our opinion that the design proposed is capable of being built subject to the preparation of a detailed structural design.

We hereby confirm that the structural design of the building work will be carried out under the supervision of a structural engineer certified under NER. We also confirm that this work will be designed in accordance with the relevant provisions of the Standard Building Codes, in accordance with accepted engineering practice and principles.

Following completion of the design Partridge Structural will issue certified structural drawings for the project.

This design statement shall not be construed as relieving any other party of their responsibilities, liabilities or contractual obligations.

**Shane Denvir**

BA BAI MIEAust CPEng

NER (Structural) DEP0002710

Senior Associate, Partridge Structural

**For and on behalf of Partridge Structural Pty Ltd**