

RE: King Street

Chambers Consultants - Admin <chambers.consultants@xtra.co.nz>

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To: 'Adrian Hart' <conservatoriesbydesign@hotmail.com>

Hi Adrian

"Good Ground" as defined in NZS 3604 has a bearing strength of at least 150 kPa dependable Ultimate Limit State, or 100 kPa unfactored. From your comments that the existing residence which is over 70 years old shows no sign of foundation movement or settlement, the foundations can be considered to be set onto Good Ground. In my design, I have assumed that the bearing strength of the ground is at least 120 kPa, or 80 % of Good Ground, which I normally assume if there is no direct Geotechnical data available and foundations are set into natural ground, not fill or peat.

The foundation pad generates a dependable Ultimate Limit State design bearing pressure of 20.8 kPa, well below the assumed strength of 120 kPa. Provided that the pad is set into natural ground, not topsoil or fill, it can be considered adequate for this structure.

Kind Regards,

Kevin Rawlinson



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