



## Excavation close to a dwelling or structure

### Zone of influence explained

When we are building a pool the first phase of construction is the excavation. When performing an excavation, we are removing soil from the site to place a swimming pool. That soil is fundamental in supporting the existing building or structures that are already on your site or may be proposed to be built on your site.

With this in mind if we propose the swimming pool to be close to a building or structure taking away the soil could cause an adverse effect on those buildings footings and may cause damage via movement or collapse to your building or structure.

There are guidelines to help keep buildings or structures safe.

- Setback the swimming pool at least 1.5m away or 2.5m to 4m in sand. At this distance, there is still sufficient existing soil / sand to support the adjacent building or structure and will minimize risks associated with undermining a nearby structure.
- If you are building a new building or structure then you can pier the footings for that building or structure at least 2m below natural ground level so that the soil immediately supporting the building or structure is removed the piercing will assist to support the building or structure not just the soil.
- If you are building adjacent to an existing building or structure. Then this may be possible, but you may need to underpin the building or structure by placing piers under the existing footings if they are not already present or provide an independent solution to contiguous pile before the pool excavation begins. More and more Councils are asking for boundary to be shored prior to excavation, in particular, fill sites, sandy loose soil sites or if your property is lower than the adjoining property.