

Hi Jenny,

In relation to your query regarding the composition of sand on the site, I can confirm that the site contains regular sand and does not contain silica sand.

During initial investigations to determine whether sand within the site was suitable for use within concrete and in asphalt, the applicant conducted some preliminary investigations, including petrographic analysis. This analysis determined that samples taken consisted of dark yellowish-brown sand, comprised primarily of quartz and feldspar grains and minor lithic clasts. Grains were dominantly subangular to subrounded. Images of collected samples provided below.

# G23100074



The analysis concluded that the samples supplied were indicative of coarse medium to fine quartzofeldspathic and lithic sand. Dry sieving of samples indicated the following results:

Sieve Size	Wt % of sample
Coarse (>1.18 mm)	9.6%
Medium (>0.3 mm)	69.3%
Fine (>0.075 mm)	21.0%
Silt (<0.075 mm)	0.1%

The key difference between lithic sand and silica sand is their composition. Silica sand contains at least 95% silicon dioxide, while lithic sand contains a mix of minerals like feldspar and clay. Lithic sand is a type of “regular” sand.

I trust that this clarifies this for you. However, please let me know if you require anything else.

Kind regards

**Stacey Devaney**

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We acknowledge the Traditional Owners of Country throughout Australia and recognise their continuing connection to land, waters and community. We pay our respect to them and their cultures and to Elders past and present.