

Project Name:	Plot H3 Accor Tribe Hotel
Project No:	213501
Title:	Attenuation Tank Position – Planning Condition 13
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P01	22/08/2024	To Planning	NS	CF	BR

1 Introduction

This technical note is to provide confirmation that the position of the proposed attenuation tank 1 serving the site will not impact or be impacted by the proposed development given its proximity to the foundations. This technical note should be read in conjunction with the Spillways Ltd below ground drainage drawings.

Two attenuation tanks are provided which form part of the sustainable drainage strategy for the site. Attenuation tank 1 is located to the west of the site and is positioned approximately 4.7m away from the proposed building.

The proposed building is founded on traditional 450mm dia bearing piles which distribute the building loads to the ground at a depth outside of the zone of influence of attenuation tank 1.

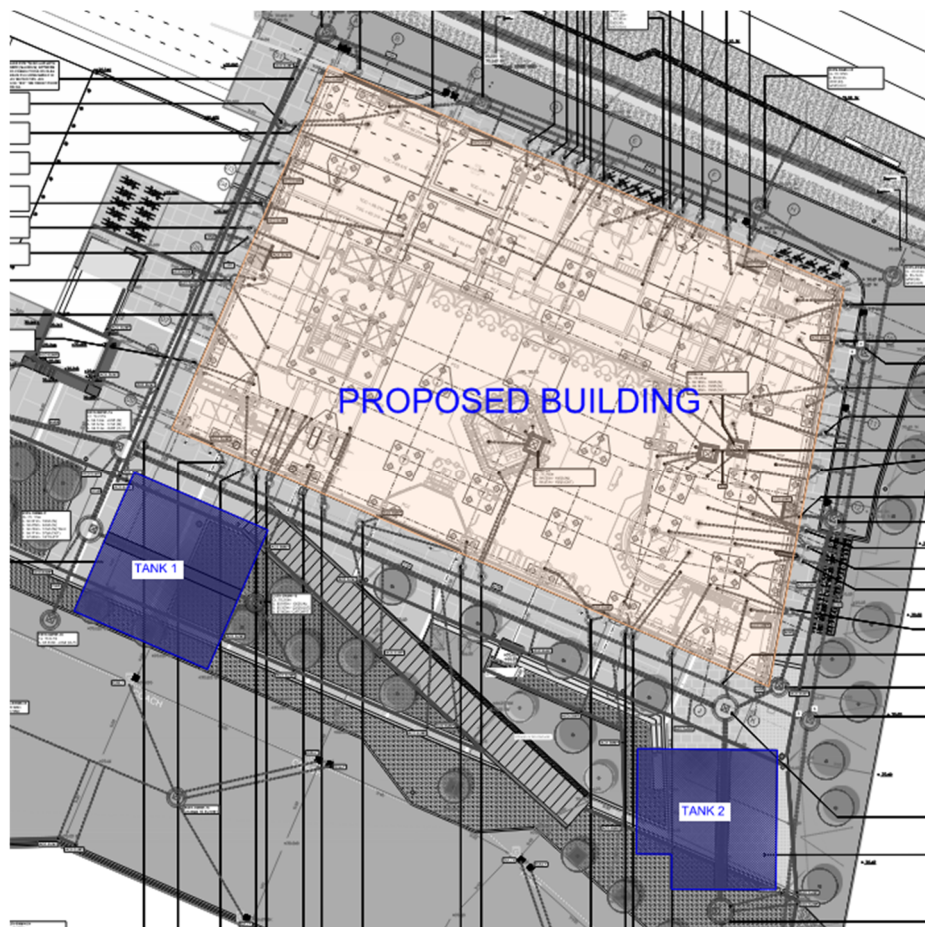


Figure 1: Site key plan showing attenuation tank locations

Attenuation tank 2 is located approx. 5.5m away from the eastern corner of the proposed building and approx. 6.3m away from the closest site boundary; therefore tank 2 will not be affected or affect the proposed development. Attenuation tank 2 is not discussed further within this technical note.

2 Attenuation Tank 1

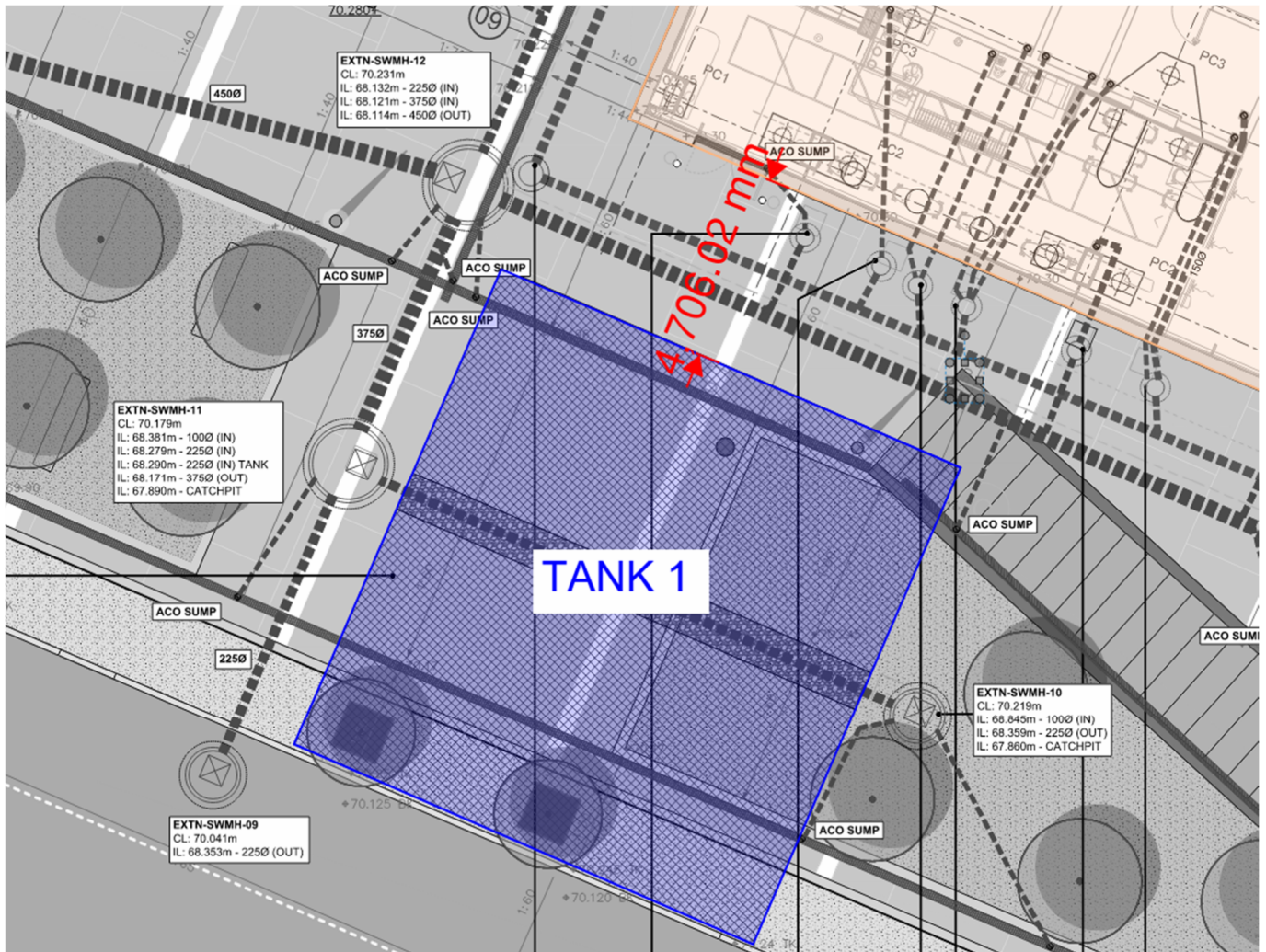


Figure 2: Attenuation tank 1 proximity to the proposed building

It can be seen from Figure 2 above the tank is positioned approx. 4.7m away from the external cladding of the proposed development.

Figure 3 shows a section through this area, indicating the proximity of the attenuation tank 1 to the proposed building. It can be seen that location of the attenuation tank does not impact the structural stability of the piled foundations, and the piles will not transfer load via the ground of the attenuation tank as the attenuation tank is positioned outside of the zone of influence of the piles.

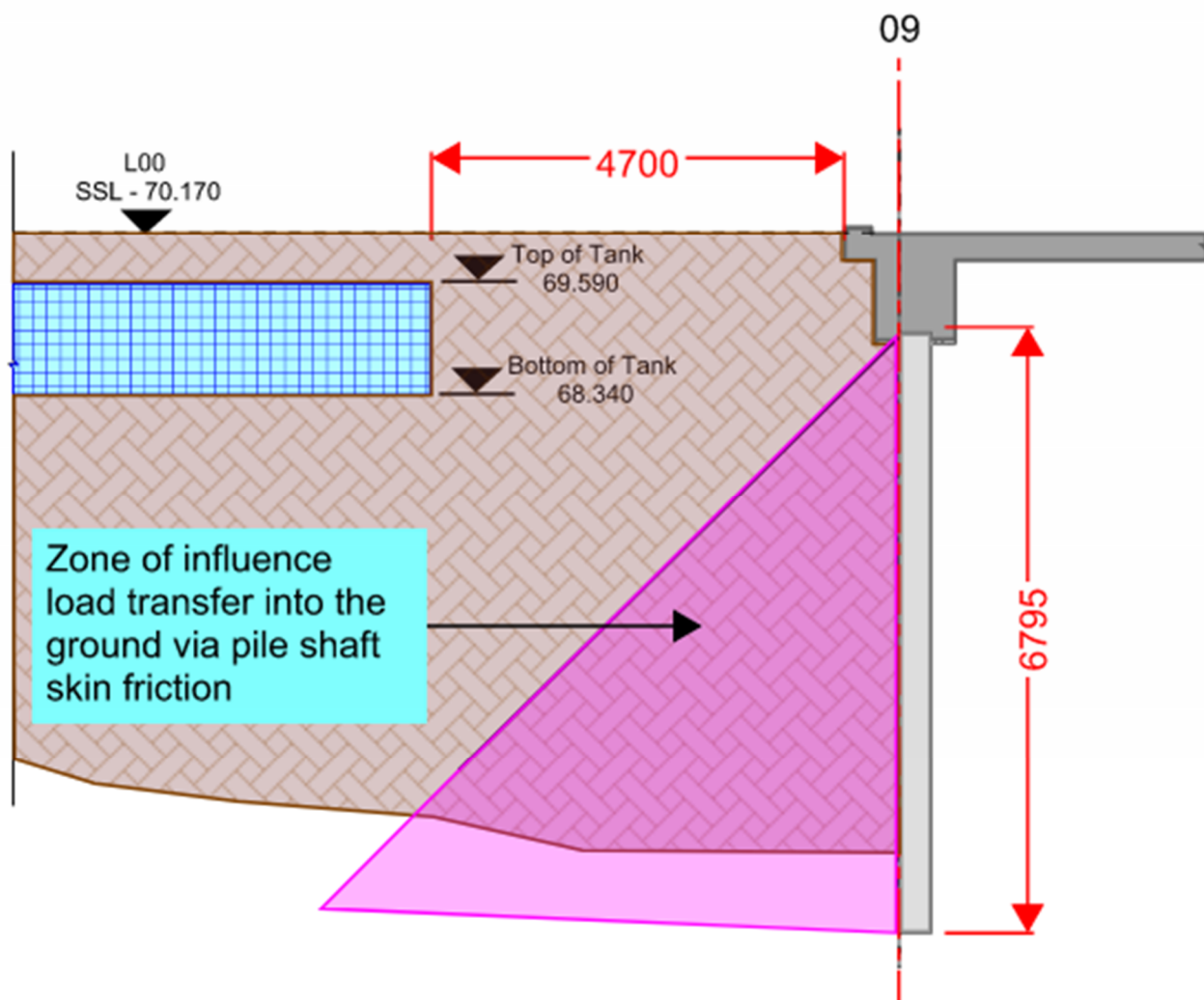


Figure 3: Section through attenuation tank and adjacent foundations