

From: [Jack Shepherd](#)
To: [Matt Grindley](#)
Cc: [Stewart Whittaker](#)
Subject: FW: 895 PORTUGAL STREET EAST - PLANNING CONDITION 19
Date: 01 February 2022 10:50:48
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)



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From: Jack Shepherd

Sent: 31 January 2022 16:05

To: Stewart Whittaker <stewart.whittaker@rg-group.org.uk>; James Smith <james.smith@rg-group.org.uk>

Cc: Rebecca Howard <Rebecca.Howard@apexconsulting.co.uk>; Matthew Thompson <Matthew.Thompson@apexconsulting.co.uk>

Subject: 895 PORTUGAL STREET EAST - PLANNING CONDITION 19

Stewart,

With regards to planning condition 19 on the tracker;

19	Piling or any other foundation designs using penetrative methods shall not be permitted other than with the express written consent of the Local Planning Authority, which may be given for those parts of the site where it has been demonstrated that there is no resultant unacceptable risk to groundwater. The development shall be carried out in accordance with the approved details.	SE
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We are proposing to use CFA piles which is a method with associated low risk to groundwater.

To provide further detail;

CFA auger is bored into the underlying strata. Instead of displacing soils vertically (as per conventional bored piling) the CFA process moves the soil around the flights of the auger. During installation of the auger no soils are removed vertically that would create a pathway between the shallow and the deeper groundwater bodies. As the auger is removed soil is retained on the flights. The arisings are brought to the surface as the auger is withdrawn. Concrete is concurrently poured through the stem during its withdrawal. The process is continued until the auger is fully removed. With correct quality workmanship no pathway is created from the shallow groundwater to the deeper aquifer. The pollution risk is considered acceptable.

Regards,

Jack



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