

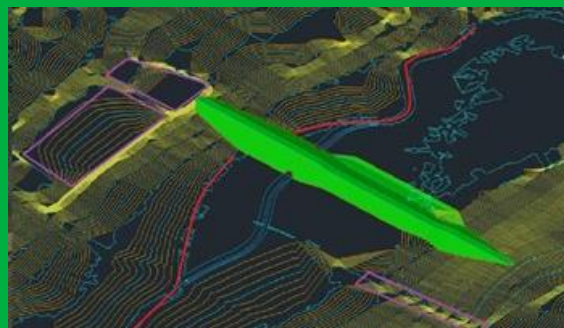
Coggeshall, Feering & Kelvedon Flood Alleviation Scheme



Extent of Quarrying Operations and Dam Location



Existing Setting



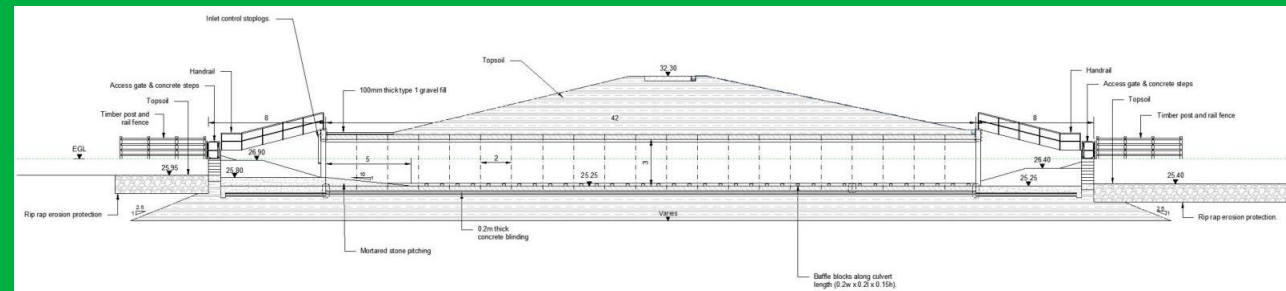
Proposed Dam and Side Channels

The dam would be constructed across the River Blackwater, adjacent to Coggeshall Town Football Club, from London Clay sourced from within the footprint of the flood storage area. Once constructed, the dam would be landscaped and grassed over, to integrate its form within the local landscape of the Blackwater valley and the adjacent willow plantation.

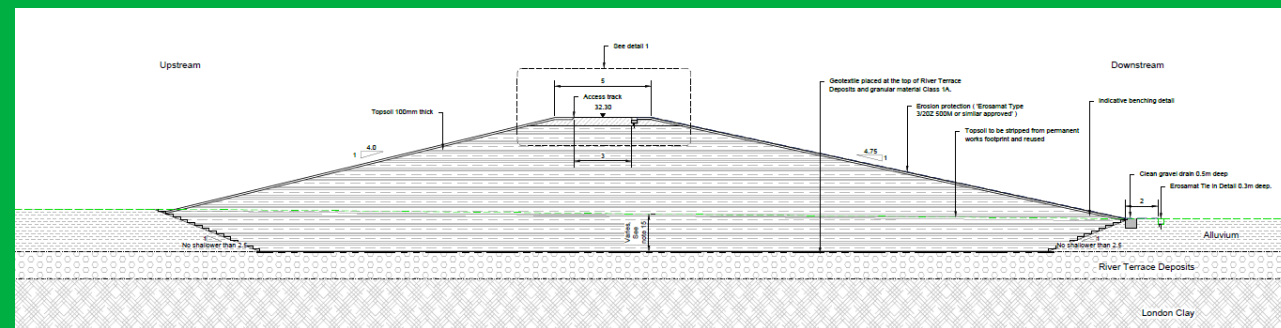
The height of the dam would be limited by ground levels on the north side; the crest being at a maximum elevation of 32.30m AOD. This means that the dam would be of approximately 6m high (above the level of the existing floodplain) and 300m in length, across the valley floor. The crest of the dam would be approximately 5m wide, to allow for vehicular access for maintenance purposes. The maximum width of the dam at floodplain level would be approximately 50m.

A culvert will allow the River Blackwater to flow through the dam under normal flow conditions.

The dam's side channels and culvert would provide suitable conditions for fish and mammal passage, including otters. The size and profile(s) of the side channels will also provide enhanced environments for habitat creation or natural colonisation.



Cross Section of the Dam's Culvert



Cross Section of the Dam