

Cottingham & Orchard Park Flood Alleviation Scheme

The Cottingham and Orchard Park Flood Alleviation Scheme is aimed at reducing the risk of flooding to around 4,000 homes in Orchard Park and Cottingham. The scheme features nine lagoons capable of storing surface water at times of heavy rainfall. Together, the lagoons will have the capacity to hold back 300,000 cubic metres of flood water - the equivalent of filling 120 Olympic-sized swimming pools. A large landscaped area including a recreational pond, planted nature area and playing field for the community are also to be created as part of that lagoon.

The eight Raywell Valley lagoons will be built along Westfield Road and Eppleworth Road in Cottingham, while the Orchard Park lagoon will be built off Danepark Road, in Hull. The reservoir sites will remain as dry fields the majority of the time, and will only contain water at times of heavy rainfall. Some of the sites will remain as agricultural land.

The concept of COPFAS came from the Surface Water Management Plan produced by Hull City Council following the June 2007 surface water flooding. The plan identified that a large amount of flooding in Hull occurred because of overland flows from areas to the west and north of the city filling the sewer system which resulted in flooded streets and properties in the city.

The scheme has two separate phases; Phase 1, involves the excavation of land off Danepark Road for the construction of the Orchard Park lagoon and the landscaped pond and nature area. The lagoon has been designed to take overflowing flood water from Wanlass Beck and Creyke Beck.

The second phase involves the creation of the eight lagoons in the Raywell Valley. All eight lagoons will be linked together by culverts which will allow any flood water to flow from one reservoir to the next, in a cascading fashion, to capture as much water as possible.

The scheme is due to be complete by the end of 2019.



Funding (£)

LGF	£5,000,000
GIFHE	£16,236,983
Total	£21,236,983

Outputs

Jobs Safeguarded	33.3
Construction Jobs	50
Apprenticeships	25
Number of dwellings with reduced flood risk	5741
Commercial floor space with reduced flood risk (m ²)	113,416
Area of land with reduced flood risk (ha)	233

