

## BURPHAM FISH PASS

Land & Water were commissioned on our EA Framework to construct a 300m fish pass channel with a concrete outlet structure bypassing a weir on the River Wey at Burpham Court Farm, which included the design, fabrication and installation of the new aluminium hydraulic control/stoplog, inlet and outlet and pedestrian bridge. This contract was carried out in 2 phases during 2022-23.

### Phase 1 – Pre commencement

Discharge pre-commencement planning conditions required LAWS obtained a Thames Water Operational Safety Authorisation (TWOSA). A Flood Risk Activity Permit was applied for, and ground investigations carried out to allow our approved and appointed designers, Tony Gee, to provide the design of the permanent works and hydraulic concept along with temporary works design. Procurement/fabrication of stop logs, beams, bridge and debris screens also formed part of the pre-commencement works.

### Phase 2 – Site works.

Initial vegetation strimming and clearance was carried out to environmental protocols and specification. A temporary cofferdam was installed before excavation works for the inlet and outlet structures and main channel, as well as 3 No. backwater features. Piling and concrete works were required - a total of 17m<sup>3</sup> of concrete which was backfilled with imported clay. Riprap gravels and block stone was used in the formation of the main channel being complete with coir matting to prevent future erosion to promote re-wilding of the area.

LAWS Installed stoplogs including fitting the lifting points and the walkway across the exit structure. A concrete slab was introduced to the scope to protect and allow the fish pass to flow over a Thames Water asset.

The material from excavation activities was used to form an earth bund along the site boundary and finally the area was landscaped.



### Project Particulars

Client: Environment Agency

Phase 1 August - October 2022

Phase 2 July 2023- October 2023



**PROJECT**

**VALUE:** £572,000

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