



ARUNDEL WETLAND CENTRE

Arundel Wetland Centre is one of nine run by the Wildfowl & Wetlands Trust. The centre risks flooding from the River Arun and Mill Stream if existing embankments overspill, from Swanbourne lake to the west, Offham Hanger to the west and north and several draining channels in flood conditions.

This meant a mixture of freshwater and saline flood defence works were needed.

Project Delivery

- **Phase 1 – freshwater flood defence work** - working areas were cleared of vegetation including Crassula from Swanbourne ditch which was buried in accordance with protocol and tree removal on Mill Stream footpath. Footpaths were raised in localised areas.
- Pond areas and ditches were de-silted using excavators, with material used to create reptile and butterfly banks. Several culverts were cleared or removed along Swanbourne ditch with one being located as a bridge structure. Silt traps were installed from the wetland Centre to Swanbourne ditch.
- **Phase 2 – saline flood defence works** - vegetation clearance of the working area was undertaken, and the embankment crest along 500m of the River Arun and two sections of the Mill Stream embankment were raised by up to 300mm to meet flood level specification.
- Wildlife habitats were created alongside the river by installing a pond area and butterfly mounds. Landscaped banks between Swanbourne Lodge and Mill Road were created using material previously removed from Swanbourne Lodge ditch.
- Crassula disposal was agreed with the Environment Agency with a 'green' method of burial being approved.
- The works were completed during spring with high visitor numbers at the centre. This meant footpath diversions, fencing and traffic management to protect people but maintaining public access around the works.
- In some places the working platform was only 1m wide requiring the use of small compaction plant including remote controlled equipment to meet specification.

Find us on the internet at
www.land-water.co.uk

Contact us on 0844 225 1958



Project Particulars

- Client: Atkins Global (for Wildfowl & Wetlands Trust)
- March 2017 (10 week programme)



PROJECT
VALUE:

£288,000