



FORMER INDUSTRIAL ESTATE, KEEPERS LOCK

Ecological Works

PROJECT SCOPE

VertaseFLI was employed to remediate a former industrial estate in Kidderminster to enable redevelopment for residential end use. The works included: tree and vegetation clearance, excavation and removal of Japanese Knotweed infested soils from the canal bank, reinstatement and stabilisation of the canal bank, construction of an artificial badger sett and the installation of an ecological zone including seeding and planting.

VERTASE FLI ROLE

The main challenge of the project was the proximity of the Staffordshire and Worcester Canal, which formed the Northern site boundary. All works along the canal embankment had to be agreed with British Waterways.

The Japanese Knotweed was carefully excavated down to the level of the water within the canal and exported to a suitably licensed disposal facility. The reinstatement of the canal bank commenced with an impermeable liner to act as a root barrier and prevent regrowth of any rhizomes remaining below canal water level. A geogrid was then incorporated as the embankment was reinstated in compacted layers.

Artificial badger setts comprising four chambers with individual entrances and link tunnels were constructed as the embankment was reinstated. The embankment was hydroseeded and the area around the badger setts screened by planting trees and shrubs to provide foraging and cover for the badgers.

The installation of the ecological zone comprised pre planted coir rolls at the waterline, cellular geotextile dressing on the slope, hydroseeding and tree and shrub planting to afford foraging and cover for the badgers.



PROJECT OVERVIEW

CLIENT

BELLWAY HOMES

LOCATION

KIDDERMINSTER

PROJECT VALUE

£40,000

DURATION

4 WEEKS

SERVICES PROVIDED

- Tree removal, Japanese Knotweed removal
 - Bulk earthworks and re-profiling of canal bank
 - Artificial badger setts
 - Installation of ecological zone, tree planting
-



EXCAVATION OF JAPANESE KNOTWEED



REINSTATEMENT OF CANAL BANK WITH ROOT BARRIER



BARGE ON CANAL UNDERTAKING WORKS



CONSTRUCTION OF NEW ARTIFICIAL BADGER SETT



COMPLETED CANAL BANK WITH BIOMAT, HYDROSEEDED
AND COIR ROLL



PLANTING AND SCREENING TO BADGER SETT ENTRANCES