



ST AGNES

Excavation & Treatment of Japanese Knotweed Soil

PROJECT SCOPE

VertaseFLI was appointed by Taylor Wimpey to undertake remedial works at a Former Film Studio site, St. Agnes. The works were required to prepare the 10 hectare site for residential development. The site was heavily infested with Japanese Knotweed, which was present within dense vegetation, adjacent to buildings, within protected Cornish hedges, under overhead electricity cables and crossing the site boundary.

VertaseFLI prepared and agreed with the Local Authority a Japanese Knotweed Management Plan outlining the remedial solution and control measures to be adopted on site in order to manage the Japanese Knotweed. VertaseFLI completed site surveys in order to identify the extent of Japanese Knotweed on site.

VERTASE FLI ROLE

Prior to remediation works, VertaseFLI managed enabling works comprising Demolition & Vegetation Clearance on site to ensure that any Japanese Knotweed present within these areas was properly managed.

Excavation and treatment of Japanese Knotweed impacted soils was completed on site via a two stage screening process. The first stage comprised selective excavation and segregation (removal of large rhizomes and crowns) by hand. These soils then progressed to second stage screening processing via a mechanical screener and picking station to removal residual Japanese Knotweed. Following treatment these soils were placed in an area of public open space, where they will be monitored for two years.

Approximately 6,000m³ of infested soils were treated following this methodology, resulting in considerable cost savings in comparison to traditional off-site disposal options. A herbicide spraying regime was also instigated to control the off-site Japanese Knotweed and prevent re-infestation.

As part of the site works, VertaseFLI also completed re-profiling of non-infested soils on site to create a development platform and completed civil engineering works comprising the installation of a new culvert onsite.



PROJECT OVERVIEW

CLIENT

TAYLOR WIMPEY

LOCATION

ST AGNES

PROJECT VALUE

£450,000

DURATION

5 MONTHS

SERVICES PROVIDED

- Japanese Knotweed Management Plan
 - Supervision of tree surgeons to remove 600 trees
 - Controlled demolition of site buildings
 - Excavation and treatment of Japanese Knotweed soils under controlled conditions
 - Relocation of treated soils to proposed public open space and disposal of rhizomes to suitably licensed facility
 - Site profiling to create a development platform
 - inspection visits over a two year period
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JAPANESE KNOTWEED SURVEYED AND MARKED OUT



SITE CLEARANCE WORKS INCLUDING TREE FELLING



LOADING PICKING STATION



HAND PICKING JAPANESE KNOTWEED RHIZOMES



SEGREGATED RHIZOMES FOR OFF SITE DISPOSAL



COMPLETED SITE PROFILED FOR DEVELOPMENT