

# Project Japanese Knotweed Excavation



## Client

Aspiro

## Cost

£25,000

## Location

Stockport

## Program

1 Month



The site before work commenced



The insertion of the GeoTextile Membrane



The backfill and compaction of the excavated area

## Tender

LKPR was asked to quote for the removal of 100m<sup>2</sup> of an established Japanese Knotweed stand growing on a property that was to be developed off a busy street in Stockport. LKPR submitted two options for tender to the client.

## Initiation

As the client wanted to proceed with development immediately LKPR advised against the Herbicide treatment method as it would not be possible to completely eradicate the Japanese Knotweed in the time frame available only using herbicides. Instead, LKPR suggested a specialist three phase method for remediation. The day the site was purchased LKPR commenced initial herbicide treatment to weaken the rhizome system of the plant. This was then left for two weeks to take effect before the partial excavation of the majority of the rhizomes were excavated.

## Root Barrier Membrane

A partial excavation was chosen by the client to bring down costs and because the Rhizomes went beyond the depth needed to be excavated for the footings of the building. A GeoTextile Semi-Permeable Root Barrier Membrane was laid and sealed before compaction began to infill the excavated area back to ground level.

## Conclusion

The method was tailored to the needs of the client as it saved the client the full cost of excavating to the extent of the rhizomes. The compact nature of the site left nowhere to bury the material and what was excavated was sent to landfill, so by reducing the amount excavated and inserting the membrane LKPR were able to provide an effective solution and removal method to maximise the profits for the client and to maintain their programme.