



## Remediation of Hydrocarbon-impacted Soils



Client: G F Tomlinson & Sons Ltd

Site: Advanced Manufacturing Building,  
University of Nottingham

Contract Value: £500,000

Approach Used: Bio-accelerator™ - Rapid  
bioremediation of hydrocarbons



Dunton Environmental Ltd was appointed by G F Tomlinson Building Ltd in July 2016 to carry out shallow earthworks, remediation and verification testing prior to development of a new Advanced Manufacturing Building, located in the southern part of the Jubilee Campus Extension of the University of Nottingham, Derby road in Nottingham.



# Challenges

- The site had historically been occupied by a vehicle servicing garage with a number of known above ground and underground storage tanks in the north of the site.
- The River Leen is immediately adjacent to the southeast of the site, is culverted beneath the south of the site, and flows away from the southern site boundary.
- Significantly elevated petroleum hydrocarbon concentrations were detected in groundwater and a significant thickness of free product was also noted to be present within the groundwater at one location.
- Two areas of Horsetail were present.

## Our Solution

- Excavation and treatment of 600m<sup>3</sup> of soils containing free product with Bio-accelerator™.
- Treatment of encountered groundwater prior to re-use for dust suppression.
- Excavation of asbestos-impacted soils and removal and disposal of asbestos-containing material.
- Removal and disposal of 324m<sup>3</sup> of Horsetail from the south-eastern site boundary alongside the river.
- Re-engineering of the ground surface including cut and fill to requested levels and highways standards, and the construction of pile mats.



## Results

