



Demolition of Greville House Residential Home

Location:	Lacey Road, Bristol
Scope:	Demolition of Former Residential Home and Site Clearance
Disciplines:	Asbestos Removal, Demolition, Substructure Removal & Site Clearance
Client:	Bristol City Council
Programme:	10 weeks
Value:	£120,000

Scope of Works

- Principal Contractor duty role
- Extensive asbestos textured coating removal
- Bat investigation work
- Internal strip out
- Demolition
- Slab & foundation removal
- Site crushing
- Dispose waste arisings

Introduction

Ron Hull Demolition have completed the demolition of the redundant Greville House residential home, clearing the site and allowing for future re-development by Bristol City Council.

Although a straightforward demolition in terms of technical complexity, the environmental layout, restricted access and confined workspace made it a challenge.

Project Challenges

- Confined site with restricted access
- Moving materials on and off site
- Site encompassed by residential estate
- Noise, dust, and vibration
- Remote water collection (water supply terminated by the Client)



Description of Works

To help improve access onto site, during the planning stages a temporary traffic regulation order (TTRO) was placed on Lacey Road, opposite the site entrance, whereby double yellow lines and signs were installed and a no waiting area enforced – without these restrictions, HGV access would not have been possible.

A comprehensive neighbourhood liaison and communication strategy was provided to residents along Lacey Road both prior to and during the works to help mitigate the impact of demolition. This included noise, dust and vibration monitoring at sensitive receptor points.

As part of the mitigation strategy, a robust traffic management plan was developed that identified a specific route to site, keeping away from side roads & country lanes. This was forwarded to all waste hauliers and vehicle routes provided to contractors upon leaving the site.

Ceilings throughout were plasterboard with asbestos decorative textured coating applied. The plasterboard (with asbestos) was removed under controlled conditions and moved to asbestos skip.

Upon completion of the asbestos removal and strip out, demolition was carried out through the structure using 20-30t demolition machine with selector grab.

Following structural demolition, slabs, foundations and footings were broken out and removed. The removal of substructures unearthed extensive quantities of concrete, way over and above those expected from the size and layout of the building – Ron Hull Demolition brought onto site a larger machine to break out and remove the concrete.

Demolition arisings were crushed onsite using the licensed Ron Hull mobile crushing facility. Site won crushed material was used onsite to backfill cellars and voids, blended into the landscape to create an even surface with excess material removed off site as a reusable product.

Water had been terminated by the Client prior to tender stage, therefore creating challenges with regards dust suppression during demolition and crushing. A tractor and unit were used to collect water from a local washout and used to keep dust levels down.

