

NEW TESCO STORE - NEWPORT

SITE:

Spytty Road, Newport

CONTRACT SUM:

£ 0.5 M



The project involved the demolition of the existing Tesco Store and the construction of a new Format 100 retail store and petrol filling station, together with all associated external works, services, and infrastructure works for Tesco Stores Ltd at Spytty Road, Newport.

The new store development will occupy approximately 3.4ha. The new Tesco store will comprise a steel framed building forming a new Tesco Format 100 Store on stilts including mezzanine, undercroft and parking, service yard, pedestrian pavings, access, service roads, hard landscaping, fencing, external services and drainage installations. The programme for our works was 8 weeks.

Green Remediation Ltd were responsible for:

- Deployment of Materials Management Plan (MMP)
- Demolition of the existing store
- Initial site clearance, disposal off site of any unsuitable materials arising from this operation
- The breaking out of all artificially hard materials present at surface and crushing for reuse over the store development part of the site as either 6F2 or Type 1 graded materials as detailed in the Specification for Highway Works.
- The bulk excavation and placement of all materials to achieve the designed remediated levels to form the development platform.
- Cut and Fill operation: including placement of capping and sub base layers beneath the remediated level.
- Removal of foundations to the existing store to a maximum depth of 3m bgl. Any piles encountered were broken off at this depth and their position surveyed.
- All existing redundant manholes and drainage pipes were broken out.
- A minimum CBR of 2.5% was achieved beneath the footprint of the car parking areas as required.





PROJECT FIGURES

- 500m³ vegetation / subsoil removed off site to appropriate facility.
- 3700m³ bituminous surfacing excavated, stockpiled and processed to achieve a 6F2 graded recycled aggregate.
- 4200m³ granular material excavated from below surfacing, stockpiled, and used as bulk fill or 6F2 without treatment, or Type 1 graded material with treatment.
- 3250m³ concrete hardstandings broken out from old service yard and existing floor slab, crushed and used as Type 1 material.
- 500 m³ foundations, redundant manholes and drainage pipes excavated and processed to Type 1.
- 3250m³ granular material excavated from directly below existing store footprint, stockpiled, and used as bulk fill or 6F2 without treatment, or Type 1 graded material with treatment.
- 1200m³ of suitable site won material placed and compacted in layers to achieve remediated levels.
- 5100m³ recycled site won 6F2 placed and compacted to provide 150mm thick capping layer over the area for the new car park, store, public realm and heavy duty surfaces.
- 5100m³ recycled site won Type 1 placed and compacted to provide 150mm thick sub base layer over the area for the new car park, store, public realm and heavy duty surfaces.
- 1100m³ surplus excavated material removed off site to realise the required remediation levels.