



**Project :** Royal Liverpool University Hospital

**Client:** Carillion

**Total Project Value:** £400 Million

**Subcontract Value:** £15 Million completed to date – future phases to be negotiated.

**Commenced:** February 2014



**Duration:** 180 Weeks

**Scope:** Full groundworks package to build new hospital building.

- Site enabling works forming site entrances, haul roads and accommodation facilities.
- Bulk excavation including removal of 41,000T of asbestos contaminated material.
- Vacuum excavation around existing service trenches.
- Excavation and mass fill foundations up to 2.5m deep with 2.5m deep structural reinforced foundations on top.
- Construction of tower crane bases – 7.5m x 7.5m x 3m deep.
- Construction of core foundations.
- Live sewer diversion and connection.
- Sewer connection involved tunnelling works into main highway.
- Foul and surface water drainage system.
- CCTV and jetting to all drainage.
- Construction of lift and escalator pits.
- Construction of retaining walls up to 6m tall.
- Waterproofing to retaining walls.
- Temporary foundations for cantilever bases.

