



# Extensive enabling and haulage works

## Lawley Village, Telford

**Client:** IDG (JV of Persimmon, Barratt & Taylor Wimpey)

**Duration:** 15 years (to date)

**Value:** £20m

**Completion date:** November 2022

### Challenge

Enabling and ground engineering works on former colliery sites, ready for a new village development. This will consist of over 3,000 homes, as well as associated infrastructure and amenities, including schools and shopping areas.

IDG selected McAuliffe as earthworks and Materials Management partner for the entire 11-phase development.

### Solution

Our team has carried out extensive ground improvement works, including excavation and re-compaction of 110km<sup>3</sup> material, up to 3.5m deep, to a strict earthworks end-product specification. This enabled design of a cost-effective raft foundation solution on relevant phases.

The project involves approx. £500k per annum of materials movements, as well as individual earthworks contracts at a value of £500-£750k per annum, to ensure the phased release of the site for building works.

Each contract consists of cut & fill, turnover, and re-compaction of former colliery areas to 95% with 5% air voids, and preparing plot and road-specific levels with piling mats and capping layers.

We have moved circa 800km<sup>3</sup> of material by road (150 off-site movements per day), and over 1,200km<sup>3</sup> via on site movements. All movements are tracked in real-time using Fissara software, ensuring efficient movement of material and detailed records for clients.

Traffic Routes were agreed with the council, incorporating feedback from public consultations. We liaised with the client's framework contractor, Balfour Beatty, throughout to eliminate any conflict with their scheduled works. This involved agreeing specific routes, and in some instances, delaying moves or ceasing ongoing moves.

Community engagement has been an important part of this project, with our team attending numerous community consultations, and helping to create a new war memorial for local residents.

### Results

- Safely moved circa. 800km<sup>3</sup> of material (150 offsite movements per day) by road
- Safely carried out movement of over 1,200km<sup>3</sup> material onsite
- Achieved 95% recompaction of soils, and a cost-effective foundation solution