

# Head Office and Regional Distribution Centre, Aldi Stores, Atherstone, Warwickshire

## Project Profile

**Client:** Aldi Stores

**Designer:** ATP (Achammer  
Tritthart & Partner)

**Value:** £6.2m



The 'groundworks, piling, foundations, in-situ concrete, infrastructure and external works' package for extensions to the UK head office buildings and regional warehousing facilities involved a 2 stage quality/price bid process in which we were able to identify cost, risk and time saving alternatives which were included in the adopted design. The 'partnering and teamworking' approach of our site management team together with the quality of completed work also resulted in a number of additional work items being awarded during the course of the contract.

The 3 storey UK head office buildings were extended by 2,700m<sup>2</sup> (plan area) and the warehousing facilities (incorporating freezer & chiller unit) extended by 9,100m<sup>2</sup>. The main work involved the following;



- Establish temporary vehicle and pedestrian site access road and footpath including security and wheelwash to allow uninterrupted operation of the existing facility
- Strip and stockpile 12,000m<sup>3</sup> topsoil in perimeter bunds for later re-use in landscaping
- Reduced level excavation of 44,000m<sup>3</sup> to footprint of office, warehouse and external works areas and 17,000m<sup>3</sup> of filling to low areas
- Disposal of 27,000m<sup>3</sup> surplus excavated material to inert landfill
- Lime/cement stabilisation of 4,000m<sup>3</sup> unsuitable soils at formation level and 13,000m<sup>3</sup> soil modification as capping layer replacement proposed as a significant cost saving alternative to importing granular material and additional disposal.
- 350mm dia CFA piles to office and warehouse foundations (Abbey Pynford):
  - ◇ Warehouse—766 nr average 12m depth (foundations & floor slab)
  - ◇ Office block—312 nr average depth 12m (foundations only)
- 5,500m<sup>3</sup> excavation for foundations
- Reinforced concrete foundations, pile caps/column bases, base slabs, retaining walls, internal walls & suspended slabs to office and warehouse buildings including:
  - ◇ 135 nr pile caps/column bases (1,100m<sup>3</sup>)
  - ◇ 12,150 m<sup>2</sup> of blinding, ground slabs, ground beams and retaining walls (5,950m<sup>3</sup>)
  - ◇ 6,000 m<sup>2</sup> of suspended slabs on 'holorib' decking & formwork (1,700m<sup>3</sup>)
  - ◇ 4,000 m<sup>2</sup> internal walls, shear walls, staircases and lift shafts up to 15m high (1,200m<sup>3</sup>)



# Head Office and Regional Distribution Centre, Aldi Stores, Atherstone, Warwickshire (Cont'd)

## Project Profile

**Client:** Aldi Stores

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Tritthart & Partner)

**Value:** £6.2m



- Installation of foul and surface water drainage to new facilities including;
  - ◇ 2,000 m of 150mm—600mm diameter sewer with 46 manholes, depth up to 5.5m
  - ◇ 2 nr bypass interceptors and 2 nr grease traps
  - ◇ Includes diversion of existing drainage and maintenance of flows to allow construction of new facility
- Installation of 7,280 m of multiple ducting and 73 draw pits for new service supplies—Telecom, Gas, Water, Electric
- External works, roads and paving to new and existing facility includes;
  - ◇ Preparation and placement of 22,500m<sup>2</sup> of sub-base
  - ◇ Bituminous base course to service yard, fire path and car parks
  - ◇ Grasscrete fire path to warehouse and office facility (1,500m<sup>2</sup>)
  - ◇ Extensive block paving work much of which was machine laid;
    - \* Service yard (3,684m<sup>2</sup>),
    - \* Warehouse access (9,626m<sup>2</sup>),
    - \* New access road (2,830m<sup>2</sup>)
    - \* Office block access road (2,525m<sup>2</sup>)
  - ◇ Reconstruction and extension to existing block paved and landscaped car parking areas,
    - \* Phase 1 new car park 2,400m<sup>2</sup>,
    - \* Phase 2 reconstruct existing 4,900m<sup>2</sup>.
- Dismantling and alteration works within existing offices and warehouse to refurbish the existing facilities. This included stripping out wall coverings and internal non load bearing walls, strip floor coverings and break out floor screed, strip out ceiling tiles, washroom fittings and tiling, provide new blockwork walls, doorways, lintels, ducting, core drilling concrete walls for new services and replacement of external footpaths and drainage.

