

# Regional Distribution Centre, Aldi Stores, Neston, Cheshire.

## Project Profile

**Client:** Aldi Stores

**Construction Manager:**

RGP Construction Management

**Value:** £4.5m



The groundworks and infrastructure package for this new 85 bay regional distribution facility was awarded following a 2 stage quality/price bid process. During the tender period we were able to identify a number of cost, risk and time saving alternatives which were included in the adopted design. Our partnering and teamwork approach together with the quality of completed work also resulted in a number of items of additional work being awarded during the course of the contract.

The main elements of work on the contract involved;

- Site clearance to the 18ha site followed by 20,000m<sup>3</sup> topsoil strip to temporary stockpile, and subsequent redistribution and placing in landscape areas to varying depths to suit landscape application.
- 80,000m<sup>3</sup> bulk earthworks and re-engineering in development areas
- 50,000m<sup>3</sup> lime/cement soil modification to achieve improved bearing capacity
- Design and management of earthworks and landscaping to deliver cut/fill balance and eliminate requirement for surplus material disposal
- 40,000m<sup>2</sup> type 1 stone sub base to building footprint including final trimming in advance of floor construction
- Construction of 3,000m<sup>3</sup> of reinforced concrete foundations to warehouse and office block including;
  - ◇ 5,500m<sup>3</sup> of excavation and backfill displacement which formed part of the cut/fill balance
  - ◇ 375 no column bases with base plates and holding down bolts
  - ◇ 210m of load bearing ground beams
  - ◇ Lift and stair wells to warehouse and office block
  - ◇ Retaining walls & ground slabs



# Regional Distribution Centre, Aldi Stores, Neston, Cheshire (Cont'd)

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- Vehicle wash, weighbridge and 500m<sup>3</sup> above ground sprinkler tank
- 1,350m of 150mm OD fire hydrant main including 15 fire hydrants, associated valve chambers & fittings
- 3,200m of trenching and ducting for BT, electricity, water, gas, CCTV and street lighting services
- 3,300m storm and foul sewers ranging in size 150mm – 1200mm dia including 3 nr. petrol interceptors, heavy duty gullies and drainage channels
- 10,000m<sup>3</sup> capacity SUDS designed surface water balancing pond including outlet control structure
- 5,000m<sup>2</sup> of access road construction in bituminous surfacing
- 24,000m<sup>2</sup> of machine laid block paving in service yards and car park areas
- 2,500m<sup>2</sup> of decorative paved and macadam footway construction
- 5,000m<sup>2</sup> of perimeter fire path and refuse area construction
- Section 278 works involving upgrading existing traffic signal junction and access road including signage, lighting and road markings. Adoption by Ellesmere Port & Neston Borough Council Highways Department.

