

Regional Distribution Centre, Aldi Stores, Neston, Cheshire, - Groundworks and Infrastructure Package.

Client – Aldi Stores.

Construction Manager – RGP Construction Management

Value - £4.5m.

Period – 2004/5

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.

- Site clearance to 18ha site followed by 20,000m³ topsoil strip to temporary stockpile, and subsequent redistribution and placing in landscape areas to varying depths to suit landscape application
- 80,000m³ bulk earthworks and re-engineering together with 50,000m³ lime/cement soil modification to achieve improved bearing capacity including design and management of earthworks and landscaping to deliver cut/fill balance and eliminate requirement for surplus material disposal



- 40,000m² type 1 stone sub base to building footprint including final trimming in advance of floor construction
- Construction of 3,000m³ of reinforced concrete foundations to warehouse and office block including:
 - ◇ 5500m³ 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
 - ◇ Included 60 tonnes of bar reinforcement & 6500m² of mesh reinforcement



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- Vehicle wash, weighbridge and 500m³ above ground sprinkler tank
- 1350m of 150mm OD fire hydrant main including 15 fire hydrants, associated valve chambers & fittings
- 3200m 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
- 10,000m³ capacity SUD's designed surface water balancing pond including outlet control structure
- 5,000m² of access road construction in bituminous surfacing



- 24,000m² of machine laid block paving in service yards and car park areas
- 2500m² of decorative paved and macadam footway construction
- 5,000m² 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