



Case Study

Petrol Filling Station & Co-operative Foodstore, Lechlade, Gloucestershire

Background

Cole Easdon Consultants (CEC) were appointed by the Midcounties Co-operative to provide transport planning and flood risk input to secure planning approval for this petrol filling station and foodstore adjacent to Station Road, Lechlade, Gloucestershire. CEC were subsequently appointed to design the on-site and off-site civil engineering works.

The brownfield site was previously a redundant petrol-filling station and required remediation works to improve contaminated ground.

Client

Midcounties Co-Operative

CEC Input

- Preparation of both Flood Risk Assessment and Transport Assessment.
- Design of on-site civil engineering works
- Design of Section 278 off-site civil engineering highway works
- Liaison with Gloucestershire County Council and the Environment Agency to secure Section 278 technical approval and on site drainage requirements
- Preparation of Stage two and three Road Safety Audits as part of the Section 278 highways agreement and Designer's Response documents

As part of the Section 278 (off-site Highways Improvement) works Station Road had to be widened and overlaid with macadam to accommodate a right turn lane into the site.

Highway design software "PDS", was used to help design both the highway and on-site civil works.

Benefits of Our Involvement

- From our accurate designs and
- pro-active relationship with the Contractor and Architect, both the
- on-site and highway civil engineering works were constructed to programme.
- SUDs (Drainage) systems were implemented where practicable in the form of soakaways and swale.
- Constructed in accordance with the revised Blue Book (June 2011) "Guidance for the design, construction, modification, maintenance and decommissioning of petrol filling stations".
- By careful design by CEC, utility diversion costs were minimised.
- By working within a Multi-Disiplinary Team, innovating solutions were provided.



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