

QUARRY AFTERUSE

Reference: CS-27

GWP Consultants has extensive experience in designing quarry restoration for a range of after-uses. We produce buildable designs that give rise to final restoration landforms that are compatible with the surrounding landscape and with sympathetic after-use in mind.

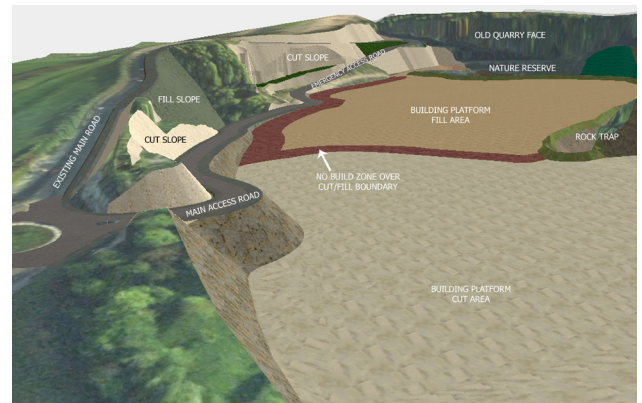
Design is necessarily an inter-disciplinary process and generally requires close and interactive working relationships with other specialists. We have a well developed network of other specialist firms with whom we collaborate on a regular basis to deliver a complete service to clients.

Selected Projects:

Re-design of abandoned old chalk pit to accept housing and light industrial development.

The 21ha scheme required GWP Consultants LLP to design long term secure cut and fill slopes, balance cut and fill volumes, design slopes for main and emergency access roads and incorporate nature conservation and geoconservation interest.

The storm drainage scheme includes the creation and improvement of habitats for Great Crested Newts.



Existing limestone quarry and restoration plan.

GWP designed the final quarry plan to enable the development of both premium and low cost social housing at the site on completion of mineral extraction.

The scheme includes balanced cut and fill volumes, buttressing of upper benched slopes and design of a suitable access road.

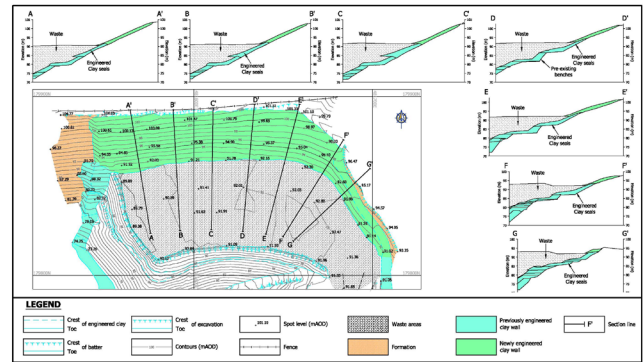


Selected Projects continued:

After-use design of an old brickworks clay pit for landfill.

Landfill schemes require a Construction Quality Assurance (CQA) Plan, specification, on-site monitoring, surveying and final construction report. GWP Consultants LLP provides all of these services.

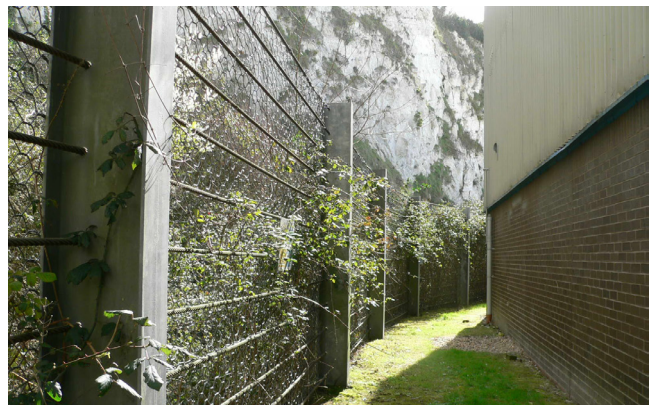
The drawing shows a typical as-constructed CQA compliance drawing with cross sections illustrating liner construction.



Design of rockfall containment measures.

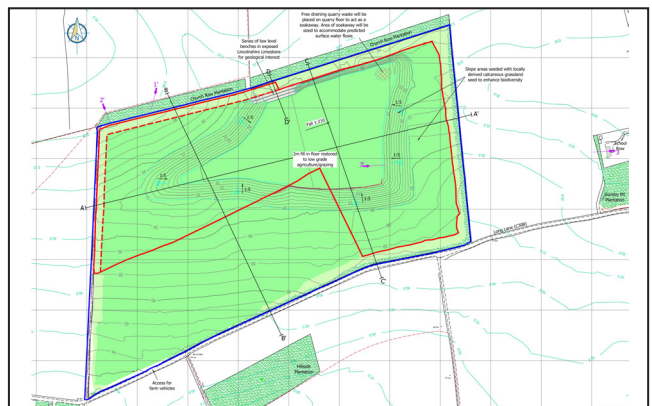
Facilities built in former quarries need to address possible future deterioration of the faces.

GWP undertook a detailed geotechnical inspection and rockfall analysis of high slopes in a former chalk quarry in order to design an appropriately positioned and dimensioned rockfall containment fence.



Restoration of a limestone quarry by backfilling with inert fill.

GWP designed and submitted a Planning Application for a limestone quarry which included restoration of a valley feature landform with backfilling using inert wastes. The landform included soakaways to accommodate potential 100 year return period events and access to geological exposures.



Key contacts

For details and to discuss your requirements, please contact the following:

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