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Rundles Court, Truro

The problem

Rundles Court is a residential block backing into an old quarry beside the river at Truro. Built beneath the steepest section of cliff [without any previous geotechnical assessment] are the resident's garages. A large rock fall destroyed 4 garages thankfully without injury. This event effectively put the whole parking area out of bounds. The rock is some of the oldest sedimentary rocks in Cornwall and highly fractured complicating remedial measures.



The solution

After clearing the extensive vegetation, a geotechnical inspection was undertaken and a plan of action developed with the consulting engineer.

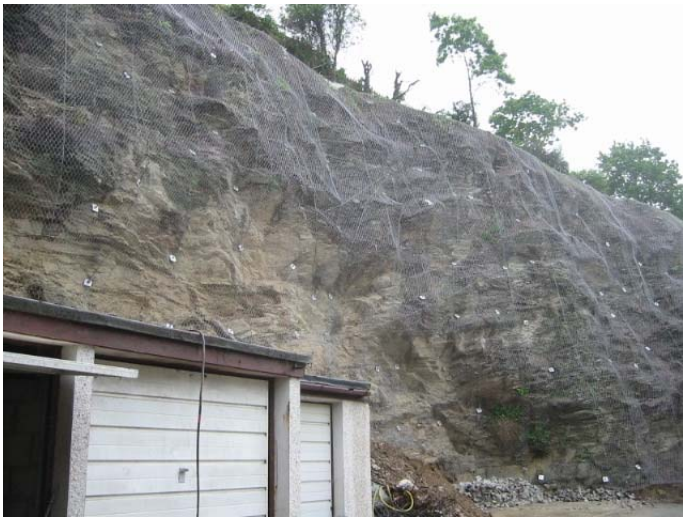
- Demolish garages.
- Extensive rock scaling and re-profile.
- Tightly enclose in rock netting.
- Support overhanging fractured rock with tensioned cable cross strapping.
- Support pillar with dentition and anchored steel lintel.
- Support weathered flank slope with gabion basket buttress.

The contract was undertaken on time and within the original budget estimate.





Gabion buttress and dentition



Rock netting tightly contoured with tensioned cable cross strapping

