

A.W Jenkinson Concrete Works, Lockerbie



The existing swale was re-graded and trimmed with sub-base.



The channel was formed in a checkerboard pattern with mesh in the bottom and dowelled joints along the edges.



The finished channel was designed to fall towards a new 'solids separator' and traditional oil interceptor tank.



The solids separator was mainly precast, with the corners cast on site. The excavation was supported with shoring.



The interceptor was installed afterwards. The whole area was concreted to allow access.



The finished tank. Handrails were installed to protect operatives when inspecting or cleaning the tank.

Client: A. W. Jenkinson	Value: £100,000
Location: Stevens Croft, Lockerbie	Duration: 3 Weeks

Project information

The aim of this project was to create a concrete drainage channel to replace a turf swale which was causing a problem to the drainage system, at the log yard in Lockerbie. Also required were a 'solids separator' tank to stop tree bark getting into the drains and a oil interceptor to stop contamination of the watercourses.

The swale was re-graded to the correct fall and then trimmed with stone. The concrete was laid on a slope in small pours to avoid it from slumping to the bottom.

The 'solids separator' tank was precast with the corners to be cast on site. The hole was excavated then braced with sheet piles and a box. A foundation was cast in the bottom and the tank was lifted in using a 60t crane. The corners were then cast in-situ. The tank was backfilled with 40mm stone and then the oil separator was installed next to it. The area was concreted and handrails were installed.