



DURA DEN FLOODING REMEDIALS



In 2012, debris blocking the Ceres Burn resulted in catastrophic downstream flooding along the C45, at Dura Den, Fife which washed away sections of the road and the supporting embankment and caused extensive structural damage to adjacent low-lying properties. The road had remained closed for a prolonged period with severely restricted access to the remaining properties

This project was to restore and reconstruct the road, its associated embankments and retaining wall structures. The works involved:-

- 5m high masonry retaining wall
- 100.m of 11m long contiguous bored piled walls
- Reinforced concrete parapet formed monolithically with the pile cap
- Soil nailing embedded into bedrock to support embankment.
- Stone-clad reinforced concrete parapets over the 170m masonry wall
- Reinforced concrete cantilever retaining wall - clad in ashlar stone – to reinstate collapsed driveway



CLIENT:	Fife Council
ENGINEER / DESIGNER:	Mouchel
CONDITIONS OF CONTRACT:	NEC 3 Option B
DURATION OF WORKS:	Dec 2014 – Nov 2015
CONTRACT VALUE:	£1,550,000

Aesthetics:-

All above-ground elements were clad in stone to match the local aesthetic. This offered improved vehicular containment in comparison with the original combination of stone masonry, metal rail and wooden post and rail fences which previously lined the carriageway.