

PROJECT

Rochester Temporary Custodial Facility

LOCATION

Rochester, Kent

CLIENT

Ministry of Justice


**Ministry of
JUSTICE**

The Rochester Temporary Custodial facility is a 300 place prison for young offenders which is due for completion June 2008.

As part of the design we carried out a Cut and Fill exercise to optimise the existing 7m difference in gradient from one corner of the site to the other. This allowed us to calculate volumes of existing types of material and re-use to suit the proposed site levels.

As a result of this 8,000m³ of material was removed from topsoil, foundation arisings and subsoil. This material was re-used for non structural fill under modular buildings, make up beneath soft landscaping, exercise yards and sub bases for roads.

Key benefits:**Environmental**

- We eliminated pollution generated from approximately 600 lorry movements which would have been required for exporting existing spoil and importing Type 1 Department of Transport backfill material and topsoil.
- We eliminated potential damage, cleaning to local roads and disruption to the local community from moving the existing spoil and imported material.
- We eliminated need for landfill

Financial

- We saved approximately £180,000 on not having to export existing material to landfill
- We saved approximately £240,000 on not having to import Type 1 Department of Transport backfill.
- We saved approximately £50,000 on not having to import topsoil
- We saved VAT and other customer on costs.

Time

- We saved time by re-using the material instead of exporting and importing new material



**We saved
our Customer
£550,000!**



For further information please contact:

Tim Garnett
Prison Core Team
Wates Construction

07834 495515