



A E YATES Ltd.

Civil Engineering & Tunnelling Contractor

CASE STUDY

RUNCORN UID'S - ICI SALTWORKS PUMPING STATION & COMBINED SEWER OVERFLOW

Client:

Scottish Water
(Formerly West of Scotland
Water)

Summary:

Major tunnel within the £130m Kelvin
Valley Wastewater Improvement
Project



PROJECT DETAILS

5500m of 1500 & 1800mm diameter tunnel sewer through coal measure rocks, glacial drift and alluvial deposits to allow the closure of 2 No. WwTW's, and to divert the flows into the new Kelvin Valley Sewerage System.

Three of our closed face tunnelling systems were used for the drives, two Herrenknecht AVN 1500'T's and an AVN 1800'D' slurry systems, as well as our open-face 1500mm ID Akerman Drum-digger TBM. 35 No. associated shafts were constructed, varying in diameter from 6 to 10m and up to 30 m in depth.

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