M242 MARSWORTH, BUCKS

Client:
BPA/UKOP

Summary:
Replacement of overhead crossing.

Programme:
April to August 2018

PROJECT DETAILS

BPA commissioned this project to remove the pipeline overbridge that crosses the Grand Union Canal at Marsworth, Buckinghamshire. The existing 300mm welded steel pipeline is used to transfer petroleum hydrocarbon products between Bovingdon Junction and Blisworth Pumping Station. The pipeline will be re-routed below the Grand Union Canal to eliminate the hazards of deliberate sabotage, striking of the pipe line by canal traffic and accidental damage.

Our works include a reception pit cofferdam extending 4m above GL to prevent water loss from canal, 300m long HDD installation of 300mm welded steel pipe under canal, open cut pipeline at each end of the HDD section, tie in to the existing pipeline, cathodic protection, pipe bridge removal, grout filling of redundant pipeline sections and final reinstatement.

Ground conditions are structureless chalk, overlying firm clayey SAND overlying firm CLAY.