

# GOSFORD PIPE BURSTING PACKAGE

OIL/GAS | SEWER | STORMWATER | POWER | **WATER** | TELCO

## PROJECT OVERVIEW

UEA completed a design and construct pipe bursting package for a local council on the Central Coast of New South Wales. The work was spread over five sites, all of which were suffering from water loss due to the age of the existing mains.



### LOCATION

Various suburbs,  
Central Coast NSW



### CLIENT

Gosford City Council



### PIPE

Polyethylene ON16 –  
125mm & 180mm



### GEOLOGY

Not applicable



### LENGTH

462 metres of 180mm  
& 684 metres of 125mm



### TECHNIQUE

Pipe bursting

## SCOPE OF WORKS

- Preparation and submission of detailed designs for acceptance by the principal
- Replacement of five pipe bursting sites with lengths of 120m, 190m, 277m, 195m and 370m
- Installation of 84 new copper services from the new main to the property water
- Installation of 13 new mains connection points

The design process involved several meetings with the Council's operational staff. This ensured a smooth and swift approval process and an earlier than anticipated construction commencement.

## CONSTRUCTION

Before the start of each pipe bursting operation, the Council isolated the water mains for five hours. This enabled UEA to complete all of the required connections as well as to install hydrants and isolation points at either end of the project. A temporary water supply was provided to all residents impacted by the main being removed from service. Once the temporary main was made live, the existing main between the isolation points was shut down and the pipe bursting process of replacing the old main commenced. UEA utilised its Grundoburst 800G for all of the pipe bursting work. Upon completion of the pipe bursting works, each house service was re-connected to the new main. Tees, additional hydrants and link ups were also completed. All new mains were then tested, cleaned, flushed and commissioned.



## **CHALLENGES**

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As with most water reticulation projects, the management of affected customers is always crucial. Working closely with the client, UEA was able to spend significant time notifying affected customers and preparing them for any impact they may have been unaware of.

## **COMPLETION**

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Overall, UEA's management and crew worked in conjunction with all stakeholders to provide a successful project with customer impact kept to a minimum.