

# PICNIC POINT CRITICAL MAIN RENEWAL

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

## PROJECT OVERVIEW

Ongoing breakages in the sole rigid pipe feeding Picnic Point resulted in concerns by both residents and the local water authority, and ultimately deemed the line eligible for an upgrade to provide a long-term solution.



### LOCATION

Picnic Point NSW



### CLIENT

Sydney Water Corporation



### PIPE

180PE PN16 & DN200 DICL



### GEOLOGY



### LENGTH

128 metres



### TECHNIQUE

HDD & open-cut

## SCOPE OF WORKS

- Stage 1: 100 metres of 180PE PN16 installed by HDD under state roadway
- Stage 2: 18 metres of 180PE installed via open-cut trench
- Stage 3: 10 metres of DN200 DICL installed in-situ with open-cut trench and connection

As works were subject to a system shutdown, and in order to minimise impact on residents, UEA had a narrow window to re-lay and connect the newly installed and tested pipeline. To mitigate the impact on residents throughout the shutdown period, UEA coordinated water tankers to supply certain areas affected by the shutdown.

## CHALLENGES

- Drilling in rock
- Water supply to residents via tankers
- Management of ground water
- Existing assets had failure points in network
- Restrictions on shutdown for connection



## COMPLETION

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UEA's extensive experience of performing similar works was paramount in ensuring the project went as planned. An AT3020 All Terrain rig was used to perform the HDD scope to deal with any unexpected changes in the ground conditions, such as rock. Excellent co-ordination and planning by both UEA's project management team, in conjunction with our client, ensured the connections went as planned in the limited timeframe provided with no impact to the customers.