

# WET WEATHER OVERFLOW ABATEMENT PROGRAM (PARK AVENUE)

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

<b>LOCATION</b>	Park Avenue, Mosman NSW
<b>CLIENT</b>	Sydney Water SewerFix Alliance
<b>PIPE</b>	355mm SDR 11 polyethylene
<b>GEOLOGY</b>	Sydney sandstone
<b>LENGTH</b>	540 metres
<b>TECHNIQUE</b>	HDD



## PROJECT OVERVIEW

This project was undertaken to reduce the number of wet weather overflows from ten locations in the area around Park Avenue and Glover Street in Mosman. The work was comprised of upgrades to some of the overflows, amplification of some sewers and sewer diversions to areas of the system with spare capacity. The individual solutions were combined to minimise disruption to the local community. Primarily targeted at swimming sites, the program provides benefits to the environment and human health, and is part of Sydney Water’s long-term program of sewerage system improvements.

## CONSTRUCTION

Due to the complexity of the bore, UEA engaged the services of a steering engineer and a Paratrak 2 system. UEA utilised one of its 45 tonne HDD rigs to undertake the pilot bore which was completed in twelve days and within 30mm of the required intersection point.

Site-specific challenges included maintaining the grade, working in a densely populated area of Sydney, intersecting an existing manhole and working with limited room for the new polyethylene pipe string.

The design of the project allowed UEA to utilise PDC forward reamers with all cuttings and drill mud returning to the drill face. UEA chose to upsize the hole in two passes – an initial cut of 13 inches and then a final cut of 18 inches. Upon completion of the ream UEA pushed the pipe into place.