

# 2 GREENWICH ROAD

## CASE STUDY



### PROJECT SUMMARY

**Project Value**  
\$2.45M

- 12,000 tonnes of material excavated
- 14m deep piling
- Zero safety incidents



### Services

- Structural retention and modification
- Shoring and underpinning works
- Structural steel design, fabrication and installation
- Low headroom piling
- Anchor installation
- Bulk excavation

[MORE DETAILS](#)

**Perfect Contracting was engaged as Principal Contractor to deliver demolition and civil works at Greenwich Road, North Sydney.**

The scope involved demolition of the existing four storey building, retention works for two existing basements, and shoring and underpinning works for a new third basement. All works were delivered within a constrained urban environment, with the key challenge being retention of a shared driveway with the neighbouring property.

Around 75 tonnes of structural steel was designed, fabricated and installed by Perfect's inhouse engineers to retain the shared driveway above. Steel was encased with piles driven 7m below basement level 2 using a specialised low headroom piling rig with only 1.8m clearance. Due to access constraints, concrete was pumped from 20m away.

Shoring works were carried out with the two existing basement slabs in place. Back propping enabled a 50 tonne piling rig to drive piles 14m deep through the existing slab, with anchor installation following.

Bulk excavation moved approximately 12,000 tonnes of material using 35 tonne and 24 tonne excavators, with the final 1,000 tonnes extracted using a 70 tonne long reach excavator with a clamshell attachment.