

# SHOOTING RANGE SHELTER

LITTLE RIVER, VIC

The Bay Building Major Projects team were called in to coordinate the demolition and rebuild of this steel shooting shelter. The existing structure was torn apart by strong winds, storm damage and failed to meet wind loads.

Bay Building Services worked with multiple consultants, architects, geotech, hydraulic and structural engineers to solve compliance issues and site constraints such as soil conditions. The main frame structure required redesign as the existing one failed to meet the wind loads. The structure's footing also had to be upgraded as the structure was built over fill. This classed the soil as "P" (problem). Drainage upgrades were also required as the previous water-run off was feeding to water tanks that did not have sufficient overflow or runoff system. A hydraulic engineer was engaged to design a completely new drainage system, including charged downpipe drains to the water tanks.

The need to shut down the shooting range was of major concern to the insured as well as the members of the community. The National Shooting Championship was taking place between 27th September and 4th October, so there was a great sense of urgency to ensure that the site could be used at that time. If Bay Building Services were unable to meet the championship deadline, the competition would have been cancelled as no other facility could hold the capacity of competitors or are licensed for higher calibre rifles to be used at their facilities.

Thanks to the hard work of the Bay Building Services team, the range is now safe and fit for use for the competition.



BBG TEAM: Bay Major Projects  
PROJECT TYPE: Demolition & Rebuild  
PROJECT SIZE: 172m x 6m x 2.5m  
BUILDING TYPE: Steel Shelter  
PROJECT VALUE: \$454k

