

Project Role: Civil and Structural Engineering Design

Client: V8 Supercars



Project Description:

The project entails the design and documentation of the civil and structural engineering works associated with the Sydney 400 V8 Supercar Street Circuit which is to be held at the Sydney Olympic Park, Homebush.

Yeats Consulting Involvement:

Yeats Consulting was commissioned to design and document works including tree removal, pavement reconstruction, road re-alignment works, and service relocations. The works are necessary to facilitate the street racing circuit requirements such as providing minimum track width and appropriate horizontal and vertical geometry.

The works will be undertaken in discreet packages to minimise disruption to the Olympic precinct and to work within the constraints of the SOPA events schedule.

Project Summary:

Our structural engineers carried out the design and documentation of the crash barriers and debris fences.

Both Protection systems were designed using a combination of state of the art computer software and hand calculations to model the complex interaction of a racing car and barrier systems.

Our engineers are also involved in carrying out structural inspections during the event.