

Trent James Halvorsen

Position

Structural/Civil Engineer
MPC Consulting Engineers, Newcastle

Professional Qualifications

B.E. (Civil)(Hons) University of Newcastle, 2012
Member, Engineers Australia



Summary of Experience

Overview

Trent Halvorsen joined MPC Consulting Engineers Pty Ltd (MPC) whilst completing his degree.

Trent has over 6 years' experience and in 2018 is completing his CP Engineer and to become a Senior Engineer.

MPC is locally based in Newcastle NSW and presently employs twenty five staff comprising professional civil and structural engineers, technical drafting staff, and administration personnel.

Technical Experience

Trent's experience includes engineering investigation, reporting and design of civil and structural engineering elements for local government, commercial, industrial, residential, and rural works.

Professional Experience

2011 to present Engineer *MPC Consulting Engineers*

Trent was employed at MPC as a work experience engineer whilst completing studying. From January 2012 Trent has been employed as a Graduate Design Engineer. In this role Trent has been involved with the investigation, reporting and design of civil and structural engineering projects. In the position of Design Engineer Trent has effectively assisted Senior Engineers in their projects whilst having the capacity to manage and complete smaller projects with minor supervision.

Project Experience

Structural Engineering Design

Being employed at MPC has provided a broad range of experience across projects;

- Residential projects - new dwellings, alterations and additions, deck structures, residential unit complexes, multi-story concrete framed apartment buildings;
- Commercial projects - new multi-story mixed-use developments, storage and training facilities, maintenance facilities and alterations;
- Industrial projects – large steel framed industrial sheds, concrete footing design, suspended concrete slabs;
- Government projects - local council general asset maintenance and repair works, heritage sensitive repair and maintenance works, design of steel framed structures for council depots;

Structural Engineering Investigations and Reporting

- Structural condition assessments – inspection, assessment and reporting of residential structures including houses suffering from settlement, timber framed decks and retaining walls;
- Dilapidation Reports – structural investigations and reporting on the pre-existing condition of work sites, buildings and surrounds, including houses, road reserves, commercial buildings, pavements;

Civil Engineering Design

- Urban Development - Civil Engineering design for urban projects such as large hardstand areas, stormwater drainage infrastructure, stormwater management, new pedestrian pavements, retaining walls, sewer pits;
- Subdivisions - Civil engineering design for small urban subdivisions (up to 46 lots), including new roads, bulk earthworks, natural channel realignments, sediment and erosion control measures, footpaths and stormwater management systems;