

Roe Highway Logistics Park, WA



Roe Highway Logistics Park – Stage 1

Douglas Partners has proudly delivered geotechnical consultancy services through all facets of the design and construction of the Roe Highway Logistics Park (RHLP) industrial development. Located in Kenwick, WA, Linc Property has developed the 56 ha site into one of Perth's premier industrial subdivisions, with access to two major arterial highways and freight rail line. Douglas Partners has provided geotechnical and environmental due diligence studies, detailed geotechnical site investigations, supported the civil and structural design of the development, and supervised the bulk earthworks construction.

The Roe Highway Logistics Park site is an amalgamation of several former brownfields properties, consisting of semi-rural and semi-industrial allotments. Ground conditions encountered by our geotechnical team included variable fill profiles overlying Bassendean Sand and clayey materials of the Guildford Formation. Challenges which were overcome during the investigation phase included liaising with a variety of stakeholders across the

numerous original allotments and gaining sufficient geotechnical data to characterise the variable site conditions. Some of the site investigation methods employed by our experienced geotechnical engineers at this site included test pits, boreholes, cone penetration testing, field permeability testing and dynamic penetration testing.

Douglas Partners' specialist pavement team carried out detailed investigations of the subgrade conditions, and existing pavements, to provide recommendations on pavement upgrades and new pavement profile designs to support the high flow of heavy vehicles which will service the development.

Douglas Partners worked closely with the earthworks and civil contractor, Wormall Civil, to assist in the delivery of the project. In December 2018, Stage 1 of the development was completed, with construction of warehouses and freight facilities underway. Douglas Partners' involvement in this landmark industrial development continued during the construction of Stage 2.

CLIENT Linc Property Pty Ltd

YEAR 2015 - 2019

SCOPE OF WORK

- Geotechnical and Contamination Due Diligence Studies
- Geotechnical Investigation
- Pavement Investigation and Design
- Interpretive Analysis and Reporting
- Earthworks Inspections and Construction Phase Support

"Douglas Partners has provided specialist geotechnical and pavement engineering services since the commencement of the due diligence phase of Roe Highway Logistics Park. Their professional, flexible and knowledgeable service has allowed the project team to continue to derive value adding opportunities during design, civil and building construction."

*Glenn Coffey
Development Manager
Linc Property*

