



Viet Le

Director

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Qualifications

Chartered Professional Engineer

Bachelor of Civil Engineering

Graduate Diploma in Computing Studies

Membership and Affiliations

National Professional Engineers Register (NPER)

Member of Consult Australia

Member of Engineers Australia

Professional Experience

30 years experience specialising in civil engineering design, analysis and construction

Profile

Viet is a Chartered Engineer and is the director of the Infrastructure and Land Development section. He is a highly qualified engineer with 30 years experience in project management and civil design. He has extensive knowledge from his involvement in significant land development projects locally and is regarded as a leading authority in both stormwater and land development in the ACT.

Viet is a highly experienced engineer with extensive knowledge from his international professional placements and his involvement in significant projects locally. His professional career has encompassed a wide variety of responsibilities relating to design, construction and institutional strengthening.

Key areas of expertise

- Land Development
- Hydraulics
- Hydrology
- Stormwater Drainage
- Infrastructure
- Sanitary Landfill
- Water Resources

Key Projects - Land Development Projects

Land Development Projects

Taylor 1 Residential Estate

Senior Designer for 545 lot residential development. The project is managed by the Land Development Agency. The Indesco team completed the EDP submission within a remarkable time frame and are on schedule to receive DA approval early in 2016. Indesco was subsequently engaged for the construction, supervision and contract administration of the estate in two stages.

Gunghalin Town Centre

Senior Designer for town centre development. the project is located to the east of the existing Gunghalin Town Centre. The project is managed by the Land Development Agency.

Moncrieff East Residential Estate

Senior Designer for the planning and design of the Moncrieff East Residential Estate. The estate comprises of 1,200 dwellings. The project was a greenfields development implemented by the Land Development Agency, ACT.

Casey 2 Residential Estate (Springbank Rise)

Project Manager for engineering planning and detailed design of 1,000 lot residential development in Casey. The project is managed by Delfin Lendlease (now Lend Lease Communities).

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Crace Residential Estate

Project Manager responsible for hydraulic design of the masterplan and day-to-day management of the design team. This is a joint venture between Canberra Investment Corporation, Defence Housing Authority, Prestige Building Services and the Land Development Agency for the development of approximately 1,500 lots.

Forde Residential Estate

Project Manager for the preparation of the Estate Development Plan and detailed design for Stage 4 comprising more than 700 blocks in the subdivision and the detailed design of Stages 2 and 4 of the Estate.

Dunlop 5 West Residential Estate

Project Manager for the preparation of an Estate Development Plan, and the detail design and documentation of roads, engineering services for the provision of infrastructure for a 283 dwelling residential development at Dunlop for the Land Development Agency. Development of WSUD principles for landscape irrigation was a key element of the project.

Moncrieff East Residential Estate

Project and Design Manager for the planning and design of the Moncrieff East Residential Estate. The estate comprises of over 1,500 dwellings. The project is a greenfields development being implemented by the Land Development Agency, ACT.

Bonner 3 Residential Estate

Project and Design Manager for the planning, design and implementation of a 650 lot residential estate in Bonner, ACT on behalf on the ACT Land Development Agency.

Molonglo Valley Group Centre & Environs

Project Engineer for the planning and design of infrastructure masterplans for the development of the Molonglo Valley Group Centre and its surrounding suburbs. The project area is planned to accommodate up to 9,000 residents in a mixed use urban neighbourhood on a site of approximately 160 hectares. The project required the preparation of development masterplans for earthworks, hydraulic services (stormwater, sewer, water supply) and road networks.

Mitchell Section 22 Industrial Subdivision

Project Engineer for the design of a 22 lot industrial subdivision in Mitchell. The project involved the design and construction of roads, hydraulic services, extensive site regrading and utility services.

Residential Development Projects, Sydney

Project Manager through Burton and Field, our associated firm in Sydney, for the design of a number of subdivisions in accordance with local design standards and DA approval conditions. The designs covered road, stormwater drainage, temporary traffic management and water management. These projects include: Lindfield, Camden (20 lots), Penrith (23 lots)

Stormwater Projects

Coombs Pond

Project Manager for the design and documentation of the Coombs Pond. The objective of the project was to develop options and a Final Sketch Plan (FSP) for the three ponds and retardation facilities for the suburbs of Coombs and Wright on three tributaries of the Molonglo River. The project is a \$20m development of three water quality control ponds at the lower end of the creek tributaries as well as stormwater management and the creation of a conservation area to be used for recreational, aesthetic and environmental purposes.

Lake Ginninderra Dam Probable Max Flood (PMF) Protection

Project Manager for a comprehensive study for Planning and Land Management (PALM) on the feasibility of using retarding basins in Gungahlin and other measures to improve safety of Lake Ginninderra. The study team includes hydrologists from ECOWISE Environmental, a dam designer specialist and a Dam safety specialist. The study also involves other specialist sub-consultants in the fields of legal, urban planning and environmental. The study value was \$120,000.

Amaroo Ponds Stage 3

Project Manager for the design options study and detail design for a water feature/pollution control pond on Ginninderra Creek. A number of options were considered including offline pond and online pond(s) with roller compacted concrete embankment, gabion weir and rock lined embankment. The construction cost for the project is \$1.5 million.

Gungaderra Ponds and Floodway

Project Director and Project Engineer for the coordination of a hydraulic study and detailed design of a naturalistic floodway and associated ponds/wetlands addressing flood retardation and water quality to maintain pre-urban conditions and to permit the development of the new suburb of Harrison in Gungahlin. The firm achieved PSP status for this project within 6 weeks, involving extensive hydrological studies, sensitive hydraulic design with off-line water quality wetlands and on-line retarding basins. The project is valued at \$8m with Stage 1 (\$3 million) completed in 2004.

Western Broadacre Civil Engineering & Geotechnical Study

Project Engineer for the feasibility study of the Western Broadacre Area which forms part of the Molonglo Valley development area in the ACT. This study is being undertaken through ACT Procurement Solutions on behalf of the ACT Planning Authority.

Conder 4A Templestowe Ave Connection, Ponds & Floodway

Project Manager and Design Engineer for a distributor road connection and a major floodway which incorporated 3 online ponds and artificial wetlands. The project also involved extensive liaison and consultation with government agencies and community groups including Commissioner for the Environment, Wildlife Research and Monitoring Unit, Environment ACT, Conder Community Landcare Group and Friends of Grasslands. The cost of the project was \$1.6 million.

Point Hut Pond Gross Pollutant Trap And Floodway

Project Manager for coordination for a study to review and to develop a gross pollution trap strategy for the urban catchment draining to Point Hut Pond and associated works such as pedestrian link and floodway invert remediation works. The study led to a design and construction of major trash racks, pedestrian bridges and floodway remediation works to a value of \$1.2 million.

Griffith Stormwater Augmentation Feasibility Study

Project Manager and Design Engineer for a feasibility study of an existing stormwater system in suburbs of Red Hill and Griffith, ACT. The catchment analysed is 540ha in size and drains to Lake Burley Griffin. It included a complete review of the existing pipe network capacity, determination of overland flow routes and flows up to the 100 year ARI, proposed options to eliminate flooding risk and value management analysis.

Page Weetangera Stormwater Augmentation

Project Manager and Design Engineer for an options study review and detail design for the proposed stormwater system upgrade through the suburbs of Page and Weetangera. The estimated project value is \$6m. Stage one of three-stage work was completed in 2001.

Braddon, Ainslie & O'connor Stormwater Augmentation Stage 1B

Project Manager and Designer of a stormwater drainage augmentation project. The work involves the construction of a new stormwater pipe system located in roadway to reduce levels of flooding along Macarthur Avenue, ACT during the 1 in 100 ARI event.

York Park Infrastructure Stage 3B

Project Manager for reviewing stormwater drainage augmentation proposal for the suburb of Forrest, Canberra to relieve current flooding problems of the area and to protect downstream development. The work included pipe reticulation analysis, detail design for the approved options.

Woden Valley Stormwater Retardation Basins

Project Manager for the design and documentation of stormwater retardation design in the Woden Valley area which will service to improve the flood safety along the Yarralumla and Long Gully creeks.

Infrastructure Studies

Review Of Infrastructure Planning For Sullivans Creek Catchment

Project Manager of the review of relevant past studies, investigate and develop master plans for sewer, water supply and stormwater drainage to cater for possible future re-developments in North Canberra suburbs.

Project Manager for the sewer and water supply infrastructure. Indesco was involved in analysing possible re-development scenarios in consultation with PALM planners and establish partial databases suitable for analysis by ActewAGL to develop sewer and water supply network development plans. Project management included addressing the stormwater drainage, through both hydrological and hydraulic analysis for this 5,000 ha catchment and Sullivans Creek and for water quality management, the Sullivans Creek Catchment Management Plan developed by the community group known as Sullivans Creek Catchment Group was appraised and enhanced in consultation with the group.

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Infrastructure Master Planning

Molonglo Valley Group Centre And Environment

Project Engineer for the planning and design of infrastructure masterplans for the development of the Molonglo Valley Group Centre and its surrounding suburbs. The project area is planned to accommodate up to 9,000 residents in a mixed use urban neighbourhood on a site of approximately 160 hectares. The project required the preparation of development masterplans for earthworks, hydraulic services (stormwater, sewer, water supply) and road networks.

East O'malley Creek Infrastructure Study & Conceptual Design

Team leader for a comprehensive study investigating various infrastructure needs and opportunities relating to a proposed urban development in O'Malley, ACT. The study takes into consideration the proposal to implement the concept of water sensitive urban design for the subdivision. A conceptual design for the creek rehabilitation including wetland/retarding basin is also developed.

Road Design & Traffic Projects

Wells Station Drive

Project Manager and Design Engineer for the design of Wells Station Drive which is an arterial road extending from Gungahlin Drive to Horse Park Drive (approximately 4.2 km). The road forms an essential link between a number of suburbs in Gungahlin and Gungahlin Drive. It is a dual carriageway, four lane road with an estimated construction cost of \$17 million and includes a large two lane roundabouts at the intersection with Hoskins Street, a signalised intersection with Flemington Road and a signalised intersection with Horse Park Drive with street lighting, landscaping and environmental investigation.

Wanna Wanna Road, Queanbeyan

Project Manager and Design Engineer for the design and documentation for the upgrade of 3.5km rural road for Queanbeyan City Council. The project involved the assessment of the upgrade requirements for both a 60kph and 80kph design environment and the subsequent realignment of both horizontal and vertical geometry to cater for the expected increase in traffic due to future developments and to meet current QCC requirements and Austroads Guidelines. A review of environmental factors and public consultations were also part of the project. Estimated construction cost for the project is \$2 million.

Old Oaks Road, NSW

Project Manager and Design Engineer for the design of an 80kph rural road for Camden City Council. The project involved the design of the road realignment through a new road reserve and intersection requirements. The estimated construction cost for the project is \$1.1 million.

Tralee North Access Road

Project manager and design engineer for the conceptual design of the Tralee North Access road and adjacent stormwater channel, liaison with QCC, acoustic engineer and urban planner to ensure that the proposed road is contained within the road reserve without extensive cut into the adjacent proposed development and waterway. The proposed road was designed to AUSTRROAD Guidelines and incorporated 2.0m wide cycle lanes.

Water Supply Projects

Morton Street Water Main Upgrade Queanbeyan NSW

Project Manager for the design of a 200mm diameter DICL water main in Morton Street, Queanbeyan. The main was approximately 720m and was designed to replace an existing 100mm AC main. Thrust boring technique was employed in many locations to avoid trees and trenching across roads.

Water Supply Masterplanning Gungaherra Precinct

Project Engineer for the preparation of a water supply master plan for the planning and engineering study for the proposed residential land release at Gungaherra.

Sewer Projects

Taralga Sewage Scheme

Project Manager for the master planning and detail design of a scheme to sewer the township of Taralga, NSW. The design work includes a sewage treatment plant, pump stations, effluent holding ponds and irrigation of effluent.

Marulan Common Effluent Drainage Scheme

Project Manager for the master planning and detail design of a scheme to sewer the township of Marulan, NSW. The design work includes two small pump stations, 6300m of gravity main 800m of rising main.

Sewer Masterplan Gungaherra Residential Precinct

Project Engineer for the preparation of a sewerage master plan for the planning and engineering study for the proposed residential land release at Gungaherra.

Infrastructure Studies

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Project Manager of the review of relevant past studies, investigate and develop master plans for sewer, water supply and stormwater drainage to cater for possible future re-developments in North Canberra suburbs.

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Landfill Projects

West Belconnen Landfill Rehabilitation

Project Manager for the development of land use plan and management plan for West Belconnen Landfill for post Mitchell Transfer Station in the ACT. Implementation included various measures to improve the environmental performance of the site and compliance with licences from Environment ACT.

Environmental Controls At West Belconnen Landfill

Project Manager to improve environmental performance of the landfill. Work includes the design for site restoration, pond desilting, access road upgrading and drainage improvements.

Career History

2000 – Present	Indesco Pty Ltd
1998 – 2000	Engineering A Division AusAid PRMPD, Philippines
1996 – 1998	Bill Guy & Partners Pty Ltd (now Indesco)
1995 – 1996	CMP – HaMZARD – Brunei
1992 – 1995	Housing Authority Fiji
1986 – 1992	CMPSXF Canberra
1986 – 1986	Cowra Shire Council