

# ANDREW SOLOMON

## METHOD ENGINEER

Full Working Rights

Civil Engineer

Sydney

## Résumé

I am a Civil Engineer with critical thinking and an excellent work ethic, focused on positive results and a passion for civil projects. With over three years of experience coordinating civil engineering projects, I have a solid understanding of mathematics and physics to identify and solve engineering problems. I have a high level of creativity in presenting innovative solutions and improvements to technical processes. I am able to effectively communicate ideas, make recommendations and negotiate project details with teams, subcontractors and customers to ensure adequate operations. I'm looking for an opportunity to connect my experience to new challenges.

## SKILLS

### Industry Competencies

- Method Analysis
- Building Information Modeling (BIM)
- Project Management
- AIMSUN
- Architecture
- Strategic Planning
- CostX

### Systems

- AutoCAD  
[2+ Years]
- DRAINS  
[12+ Months]
- Revit  
[6+ Months]
- Microsoft Excel  
[5+ Years]

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# EXPERIENCES

## Civil Engineer

Loka Consulting Engineers - Since October 2021

### Responsibilities

Designing the stormwater systems for commercial and residential buildings in accordance with the relevant council development controls and the Australian Standards.

- Flood risk assessments of flood affected lots to detail design constraints and requirements.
- Managing a small team to provide a coordinated design.
- Detailed site inspections of ongoing works to ensure that construction of the designed work is upheld to the expected standard and issues are rectified on site.
- Working closely with the design team to ensure the design meets the project's specifications by coordinating with all the relevant services and architect to ensure that the building is not impacted by contradictory plans and is delivered in a timely manner.
- Mentoring juniors by providing them with demonstrative examples of all steps of the design process for reference as a guide to follow for their future projects.
- Created Excel worksheets to optimise design methods and automate calculations within the design process to save time in repetitive design calculations that are required on multiple projects.
- Inspecting constructed sites to assess Works as Executed to ensure quality and consistency of built plans against design plans to ensure that the works are up to the required standard prior to the Occupational Certificate.
- Conversing with clients and architects to better understand their idealized design expectations to research the standards and codes to provide a practical and acceptable design that takes these expectations into consideration.
- Liaising with council engineers to come to conclusions on particular design specifications not highlighted within councils' development control plans and the Australian Standards to achieve an acceptable design solution.

## Project Engineer

Hydroflux Epco - February 2021 to July 2021

### Responsibilities

- Ordering required items for procurement and ensuring all equipment is present on site with the right quantities and quality.
- Organising logistics for delivery of materials and equipment from overseas.
- Detailed site inspections of ongoing works to ensure fabrication and installation are done correctly.
- Working closely with large clients such as Fulton Hogan, John Holland and D4C to ensure project deliverables are satisfactory and completed appropriately.
- Managing all aspects of a project including safety, quality, procurement, fabrication, time and costs.
- Writing up Safety Work Method Statements and all required QA documentation.
- Liaising with various trades for projects to ensure quality of work.
- Liaising with various suppliers, trades and professionals to check through quotations of works and provide the most cost effective and time efficient solution
- Reading detailed engineering plans.
- Reporting monthly for details regarding projects under my management.
- Communicating effectively with clients to ensure they are aware of the project process, timeline and updates with progress.
- Accurately assessing the project's budget and updating as required.
- Wabag STP, PNG - Designed and organised the procurement for the supply of potable water for part of a sewerage treatment plant in Papua New Guinea along with the required documentation.

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- Cronulla Clarifier Launder Brushes, NSW - Assigned project manager for a small project working for client D4C as the point of contact. Managed the project budget, documentation, schedule and all meetings with the client while on a tight timeline.
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## Intern Civil Engineer

A&Y Civil - January 2019 to April 2019

### Responsibilities

- Obtaining and reviewing offers and quotes by subcontractors or vendors in a timely manner.
  - Site inspections of ongoing construction works.
  - Checking for safety, quality, and costs.
  - Liaising with various trades for small scale projects.
  - Contacting prospective clients to provide quotations for work.
  - Interpreting drawings and ordering material.
  - Aiding with monthly reports.
  - Prepared site packs for multiple small projects.
  - Managed QA for small jobs.
  - Monitoring the practical application of the TMP.
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## EDUCATION

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### Qualifications

UNSW  
Bachelor of Civil Engineering with Honours  
2016 – 2020

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### Trainings and Certifications

Construction Induction  
(White Card)

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