

ROCEL D. LUBAO

Summary of Experience

Rocel demonstrated history in working mostly on Civil Infrastructure projects. She is capable in working in different projects and using various softwares like AutoCAD, MicroStation, ProjectWise and Civil 3D.

She has been involved in various preliminary and detailed engineering design projects in Australia, New Zealand, Singapore, USA and Philippines. Her works involves horizontal projects; land developments, roads and highways. She has also experienced in vertical projects: structural detailing of towers, telecommunications and residential building.

While working on different projects, Rocel gained experience in the variety of workloads that was given to her. She ensures that her deliverables complied with the allocated time and budget and standard of specification and presentation.

Significant Projects:

- M6 Motorway - ATC, MOC1, MOC3 Arncliffe Parkland Bicentennial Parkland (Australia)
- Transport Sector Project Development Facility (Solomon Island)
- Brunt Road Intersection Detailed Design (Australia)
- Puddledock Daw Raw Water Main and Pump Station Upgrade (Australia)
- Sustainable and Climate Resiliency Connectivity in Nauru – Reverse Osmosis Plant Seawater Intake Pipeline (Nauru)
- Manila Water East Bay Water Supply Scheme Reference Design (Philippines)
- TUAS Water Reclamation Plant (Singapore)
- New Manila International Airport (Philippines)
- Weigh Right Taupo (New Zealand)
- Transpower-National Insulator Projects (New Zealand)
- US Telecommunication Project (USA)
- Mahanagdong Power Plant 5KV Line Improvement - Mahanagdong Topping Cycle 230KV Substation and Transmission Line Connection, (Philippines)
- Real Estate Projects (Philippines)

Professional History

Civil Drafter – WSP Philippines

August 2021 – Present

WSP Philippines provides consulting services for physical and social infrastructure projects across the Australia and New Zealand.

As Civil Drafter, Rocel is responsible for the following duties:

- > Direct coordination with the counterpart client for drawing production.
- > Undertake drafting assignments in areas such as roads and highway and other discipline. Undertake reviews of engineering drawings to ensure compliance with CAD and Quality System.
- > Managing drafting aspects of projects of varying complexity and size, including planning and controlling of deliverables, resource management and maintaining communication between engineer and drafting staff in the project.



Contact Details

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7 Years of Experienced

Personal Information

28 years old

16 October 1995

San Roque Bauan Batangas

Educational Attainment

B.S. in Civil Engineering Technology
Batangas State University

June 2017

Transport M6 Motorway Packages Arncliffe Parkland, Bicentennial Parkland, MOC1, MOC3, Active Transport Corridor Alignment and Civil Works (NSW, Australia)

- > Set-up drawings (cover sheet, general notes, sheet layout plans, general arrangement of plan, sections in discipline of civil, drainage, road furniture and pavement). Assist in producing long section and cross section using Civil 3D.
- > Producing detailed design as instructed by the design engineers.
- > Update drawing attributes and document control using ProjectWise.

Civil Drafter – Cardno Emerging Markets Services (Philippines)

November 2019 – June 2021

Cardno Emerging Markets (Australia) provides consulting services for physical and social infrastructure projects across the Asia Pacific Region.

As Civil Drafter, Rocel is responsible for the following duties:

- > Undertake drafting assignments in areas such as roads and highways.
- > Work towards the continuous improvement of the department through training and utilizing effective and other standardize design tools and calculation systems.
- > Ability to meet tight deadlines in a high paced environment, multi-tasking and time management skills.
- > Plan and prepare preliminary layouts and detailed design drawings. Research and obtain standards/codes required by clients.

Transport Sector Project Development Facility (Solomon Island)

- > Produced detailed engineering design drawings of the stormwater design.
- > Update road signages, line marking, profiles and alignments using AutoCAD and Civil 3D.

Brunt Road Intersection Detailed Design (Australia)

- > Assists on the drafting of working plans, documentations and other technical works in compliance with standard of specification and presentation in accordance with the project.
- > Update line marking, signages and pavement of the road intersection based on mark-ups using MicroStation.

Puddledock Daw Raw Water Main and Pump Station Upgrade (Australia)

- > Prepare drawing and detailed design, assist on the design of the 12km waterline.
- > Update valves, profiles and alignments based on standard using AutoCAD and Civil 3D.

Sustainable and Climate Resiliency Connectivity in Nauru – Reverse Osmosis Plant Seawater Intake Pipeline (Nauru)

- > Coordination with other engineering disciplines (Mechanical, Structural and Architectural) with regards to the civil scope of the project, and other necessary needed changes on the drawings.
- > Updated drawings in accordance to mark-ups and specifications using AutoCAD.

Manila Water East Bay Water Supply Scheme Reference Design (Rizal Philippines)

- > Assists on the revision of an approximately 67km water main.
- > Preparation of general arrangement of sheet and documentation using AutoCAD.

AutoCAD Drafter – Jacobs Project Philippines

April 2018 - October 2019

Jacobs Project Philippines provides technical, engineering support and construction services and specialty in consulting for a broad range of clients globally including companies, organizations, and government agencies.

As Autocad Drafter, Rocel was responsible for the following duties:

- > Coordinate work with related disciplines and interact with designers and engineers from other discipline to deliver project.
- > Perform other assignments as required by Team Lead or Project Manager.

TUAS Water Reclamation Plant (Singapore)

- > Preparation of general arrangement of sheets.
- > Converting from 3D model of plant to 2D model in complying to plan, view and section.
- > Provide label and elevation using MicroStation, AECOSim and Navisworks.

New Manila International Airport (Bulacan Philippines)

- > Responsible for lay-outing of topographical map to the proposed design of airport, providing map contour and calculating the area per package for bidding presentation using Civil 3D.

Weigh Right Taupo (New Zealand)

- > Updating MEP and Electrical drawings in building services as per current architectural background.
- > Produce structural detailed designed in coordination to design engineer using AutoCAD.

Transpower-National Insulator Projects (New Zealand)

- > Providing structural steel detail drawing of transmission towers based on the specifications, references and design calculation using AutoCAD and MicroStation.
- > Responsible in updating the structural steelwork and assembly of steel components into its frame.

US Telecommunication Project (USA)

- > Design installation of fibre cables and allocation for antennas, route design, map creation, and installation of other telecommunication equipment.
- > Modification of structural steel members of towers and poles based on the proposed specifications.
- > Preparation of traffic control plans and as-built packages.

Mahanagdong Power Plant 5KV Line Improvement - Mahanagdong Topping Cycle 230KV Substation and Transmission Line Connection, (Leyte Philippines)

- > Responsible in producing and developing drawings, schematics for line transmission line connection.
- > Develop detailed design, dimensional plans, sections and equipment schedule.

Structural Drafter, Stateland Inc.

August 2017 – April 2019

Stateland is one of the leaders in property development and Philippine real estate innovation.

As Structural Drafter, Rocel was responsible for the following duties:

- > Check layouts of drawings and models for interference with other existing projects.
- > Produce structural drawing of residential buildings, amenities, bridges and land development.
- > Converts sketches or specifications of the project from architect/engineers into detailed CAD drawings. Prepare 3D architectural drawings of residential building using Sketch-Up.
- > Produce map drawings that comply to the lot description of the surveyor.
- > Assist in estimating the cost and quantity of the housing projects, amenities, preparation of bill of materials and cutting list.
- > Assist in quality control, inspect properties including ground and structures, building system and equipment for compliance.

On The Job Training

Industrial Inspection (International) Inc.

June 2015 – December 2015

- > Perform soil test in laboratory for building construction.
- > Assist in calculation of soil if capable for multiple storey and building permits.
- > Assist in measuring the strength of materials especially concrete and solid metal using universal testing machine.

Mitsubishi Hitachi Philippines Power System Ltd.

September 2014 – June 2015

- > Produce 3D design of plant boilers using Solidworks.
- > Produce 3D design from 2D of steel members and detailed the connection using AutoCAD
- > Assist in design and fabrication of plates and bolts. Assist in the assembly of structural members.
- > Assist in designing proposed projects and other structures that need replacement using Solidworks

Training and Seminar Attended

Autodesk Civil 3D - September 2019, Philippines

TESDA, Computer-Aided Drafting NCII - August 2016, Philippines