



CONTACT

Hamilton, Waikato

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SKILLS

Design & Analysis

Civil 3D

12d Model

HEC-RAS

WaterGEMS

NZTA M23 / Bridge Manual

Delivery

Construction observation

Tender documents (NZS 3910)

Cost estimating

H&S in design

Tools

MS Project

Bluebeam

ArcGIS

Power BI

CERTIFICATIONS

- Engineering NZ — Professional Member (CPEng in progress)
- Site Safe Passport
- Full NZ Class 1 Driver Licence

Aroha Ngata

Civil Engineer — Infrastructure

PROFILE

Chartered-track civil engineer with 4 years designing and delivering roading, water and stormwater infrastructure for Waka Kotahi-funded and council projects across the Waikato. Strong in NZTA standards, Civil 3D design, construction observation and stakeholder liaison with iwi and territorial authorities.

EXPERIENCE

Civil Engineer

Feb 2024 – Present

Beca, Hamilton

- Designed 6 km of SH1 rural shoulder widening and drainage; delivered on programme and 3% under budget.
- Led stormwater modelling for a 40 ha growth-area catchment using HEC-RAS and 12d.
- Prepared NZS 3910 tender packages worth \$18M and assisted evaluation.
- Supervised contractor site works as engineer's rep for \$4.2M watermain renewal.

Graduate to Civil Engineer

Jan 2022 – Jan 2024

Stantec, Auckland

- Produced detailed designs for 14 road and subdivision projects in Civil 3D.
- Completed quantity take-offs and cost estimates within 5% of tender price.
- Coordinated consent applications with Waikato Regional Council and Auckland Council.

EDUCATION

BE (Hons) Civil Engineering

University of Waikato, 2021

Right to work: NZ citizen — full work rights, no sponsorship required ·

Memberships: Engineering NZ; Waikato Engineering Society; Te Hono (Māori engineers network) · References available on request