



EXPERIENCE

2017 – 2018 CSIR (Junior Coastal Engineer)

2018 – Current iCE Group (Junior Geometric Design Engineer)

Petro started her civil engineering career in the coastal division at the CSIR where she was part of the team which did physical modelling of coastal structures. This involved project planning, documentation, testing and analysis and also client liaison. At the end of her time at the CSIR she was part of the numerical modelling team to develop a neural network to predict physical characteristics such as overtopping of structures. She changed her direction in civil engineering into that of Geometric Design when an opportunity was offered at iCE group in Stellenbosch. This opportunity fitted more into her plans with her civil engineering career and her time spent at ICE group thus far have given her exposure to various components of design and construction of roads. It involved the design, documentation and liaison with different stakeholders involved with the projects.

Examples of selected recent projects:

- **Conceptual design** of Sir Lowry's Pass Village Road (Phase 4), Somerset West
- **Detail design** of Techno Ave link Road, Stellenbosch
- **Conceptual design** of Zevenwacht Link Road, Kuilsrivier
- **Brandwacht Mediclinic** – Upgrading of Trumali & Elsie du Toit Road