

Client: Anglo American Platinum Mogalakwena Mine

Value: R 110,000,000

Services: Civil / Piping Design, Documentation and Construction Support

Project Duration: 2019 – 2021

# North Concentrator – Upgrade of the Tailings Infrastructure

Design and Construction Support

## The Task

Nurizon Consulting (Pty) Ltd. [Nurizon] was appointed by Anglo American Platinum Limited for the detail design and construction support of Mogalakwena Mine's North Concentrator's final tailings infrastructure.

The existing NB400 slurry deposition systems to the Blinkwater Tailings Storage Facility (TSF) needs to be upgraded due to:

- Increase in the TSF height (additional 45m); and
- Increased flow of 1,250t/h.

## Design Services

The design portion consists mainly of the following (in summary):

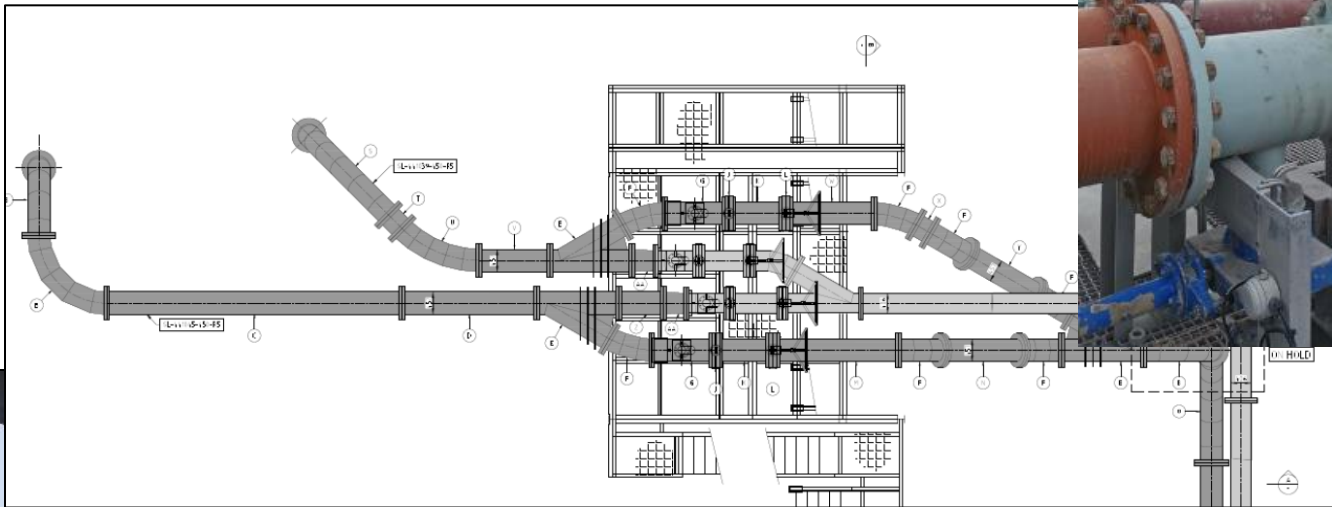
- Detail design and engineering for the upgrade of the pipeline and pumping infrastructure to accommodate the final tailings dam height and increased flow;
- Detail design and engineering for the electrical, control and instrumentation requirements to enable a tailings system that will be integrated and controlled from the existing SCADA system.
- Project / Technical Documentation.
- Construction Support and Supervision.



## The Result

Design and implementation support of the new NB450 slurry pipeline system (including valves, automation, river crossing, etc.), installed at surface level, connecting to the deposition system (spigots) at the tailings dam embankment.

The existing NB400 slurry deposition system was included in the overall design, to provide the Mine with additional redundancy.



## Mogalakwena Mine - Tailings Infrastructure

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