

# Hammankraal West Extension 10 Water and Sewer Bulk Services and Reticulation



**DISCIPLINE/S:** **Water Infrastructure, Sewer Infrastructure**  
Bulk Water Pipeline, Outfall Sewer, Water and Sewer Reticulation

**PROJECT DESCRIPTION:**

The project scope comprises:

- Water reticulation, sewer reticulation metered yard connections and toilet top structures for 2 767 stands in Hammankraal West Extension 10.
- DN800 5.2km steel bulk water pipeline with associated concrete valve chambers
- DN600 3.5km concrete outfall sewer

Nyeleti Consulting was appointed for the full scope of professional services (Preliminary and Detailed Design, Documentation and Procurement, Contract Administration and Project Close Out) as well as Occupational Health and Safety and Environmental Control.

Construction of the project is currently underway.

**CLIENT:**

City of Tshwane Metropolitan Municipality (South Africa)

**CONTACT:**

Thembi Gwarubana  
Tel: 012 358 3761

**DATE:**

November 2016 - Present

Project Value

**ZAR 250 million**

**USD 17 million**

**SALIENT FEATURES:**

- Due to the position of an existing outfall sewer, powerlines and roads, combined with the slope of the natural ground level options for a suitable route for the outfall sewer was limited. Wetland and floodlines areas also had to be avoided as far as possible.
- Hammankraal West X10 had been an informal settlement for many years prior to the formalisation thereof. When the construction phase started the majority of structures had to be moved to the stands that were set out according to the approved town layout before construction of the services could commence.



**PROJECT SHEET: INTERNAL INFORMATION**

LAST UPDATE: September 2019

UPDATED BY: XXX

PROJECT LEADER: XXX

PROJECT MANAGER: XXX

KEYWORDS: PIPELINE, WATER, RESERVOIR, PUMP STATION

**PROJECT SHEET PHOTO PROPERTIES:**