



UGU DISTRICT MUNICIPALITY
PROJECT PROFILE
MALANGENI/ESPERANZA BULK WATER SCHEME

August 2023

COMPILED BY:



WNA Consulting
Office No.50
The Tydes
Shelly Beach
4265

Tel N°: 039 315 0750
Fax N°: 086 577 2602

ON BEHALF OF:



UGU DISTRICT MUNICIPALITY
P.O. Box 33
Port Shepstone
4240

Tel N°: 039 688 5700
Fax N°: 039 682 4820

PROJECT BACKGROUND

UGU District Municipality is currently implementing Malangeni Waterborne sanitation project, in order for this project to be a success there must be reliable and adequate supply of portable water to the area.

Thubalam Trading and Amanqamqeshe Trading were appointed by UGU District Municipality for the Construction of Malangeni long-term bulk water supply storage to augment bulk water capacity of Malangeni waterborne sanitation-stage 2 project.

The Malangeni area comprises of Wards 7, 8, 9, and part of ward 11 under Umdoni Local Municipality. The area has been experiencing growing challenges with water supply over recent years and sustainable supply is now critical.

There are 9 water supply reservoirs in total, with 7 of these reservoirs supplying vast Ingonyama Trust areas with estimated population of 136 632 people and 2 of these reservoirs supply the formal Malangeni Township consisting of 1,984 households with waterborne sanitation. The estimated population of the area is 14,000 people.

It is critical to improve pumping efficiencies so as to optimize water storage at Ifafa Command Reservoirs as the Esperanza pump station is gravity fed off a bulk supply line that is supplying other areas (Shayamoya, St. Patrick and Nkonka Pump Stations). The large pumps draws-off to supply areas within greater Umzinto that impacts negatively on the suction flow of the Esperanza gravity supply during peak hours.

CONTRACTUAL DATA

The project data is as follows:

Employer	UGU District Municipality
Engineer	WNA Consulting (PTY) LTD
Contractor	Amanqamqeshe Trading and Thubalam Trading
Contract Number	MIG COVID – S36
Description	Construction of IFafa 2ML Reservoir and 250mm Steel pipe rising main, at Malangeni/Esperanza
Commencement Date	05 March 2021
Budget Including VAT	R35 234 100.21
Completion Date	27 July 2022
Duration	08 Months

SCOPE OF WORK

Under this contract, the following activities were done:

Professional Services

- Conduct specialists' studies including EIA and WULA
- Project Design

- Acquiring all required Licensing and Authorization (EIA and WULA)
- Monitoring Construction on site

Construction

- Site clearing along pipeline route (2.5km) and reservoir site.
- Construct by trenching, bedding and backfilling for 250mm steel pipelines complete with valves and chambers.
- Construction of 2ML Concrete Reservoir complete with inlet-outlet Chamber,

BENEFICIAIRES

The beneficiaries will be within the areas covered by the scope of work. The beneficiaries based on the area supplied by the scheme.

Ward	Area	Beneficiaries
8 & 9	Malangeni/Esperanza	136 632 People

COMMENTS ON PROGRESS

The entire scheme is at practical completion stage and awaiting commissioning, commissioning will take place upon upgrade/modification of the pump station which will feed the reservoir.

STAKEHOLDERS

The Project Team consists of the following stakeholders:

Funder	: MIG
Water Services Authorities	: UGU District Municipality
Contractors	: Amanqamqeshe Trading & Thubalam Trading
Sub consultant	: WNA Consulting (PTY) LTD Exponesia Trading
Project Steering Committee	: Ward Councilor, Ward Committee

Project pictures



Construction of 2ML Reservoir



Complete 2ML Concrete Reservoir



250mm Steel Pipeline Construction



Complete 250mm Pipeline