

MAGARENG LOCAL MUNICIPALITY

UPGRADE OF INTERNAL WATER NETWORK IN CHRIS HANI, RICHBLOCK AND LAS VEGAS PROGRESS REPORT (SEPTEMBER 2024) – PHASE 1

Q1 PROGRESS REPORT JULY - SEPTEMBER 2024

Project Details

Client

: MAGARENG LOCAL MUNICIPALITY

Funder

: MIG

Engineers

: BVI CONSULTING ENGINEERS

Contractor

: TR SPAGEN / Lebotebo Projects JV

Total Households to benefit

: 5 932

EXECUTIVE SUMMARY

The purpose of this document is to present and report on the current status of the construction project for the period July 2024 to September 2024. The current water project that was implemented by the Magareng Local Municipality for the project known as upgrade of internal water network in Chris Hani, Richblock and Las Vegas – Phase 1.

The project aims to install a 315mmØ uPVC rising main pipeline, spanning 3,186 meters, to connect to a new 400kl pressed steel pressure tower reservoir at Chris Hani. This includes performing pipe jacking beneath both the N12 and N18 roads for the pipeline crossing. Also, the project aims to complete the installation of two 400kl pressed steel pressure tower reservoir, elevated 20 meters, at both Chris Hani and Las Vegas in Ikhutseng township. These installations are designed to enhance water pressure distribution and address issues of low to negative water pressure during peak demand periods.

PROJECT DETAILS

The area in which the Project Phases 1 was planned, and of which was implemented and currently under construction are shown in the figure below.

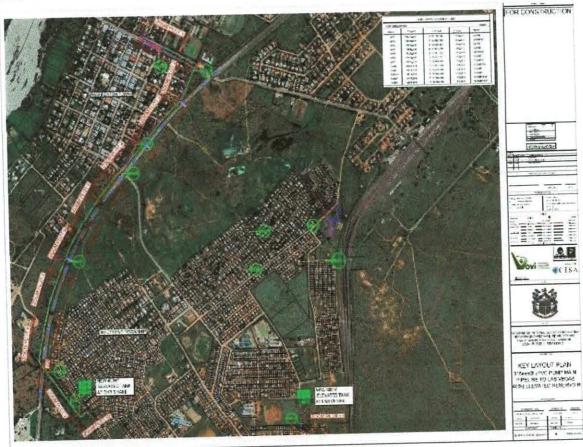


Table of Contents

EXE	ECUTIVE SUMMARY	2
PRO	DJECT DETAILS	2
1.	CONTRACT DETAILS	4
2.	PROJECT STATUS	4
3.	PROJECT FINANCIAL OVERVIEW	6
	.1 Construction Cost	
3	.2 Professional Fees Cost	6
3	.3 Project Gantt Chart	7
	PROJECT EMPLOYMENT & JOB CREATION	
	PROJECT CHALLENGES	
	PROJECT PHOTOS	
	CONSTRUCTION DRAWINGS	
	CERTIFICATION OF PROGRESS REPORT:	

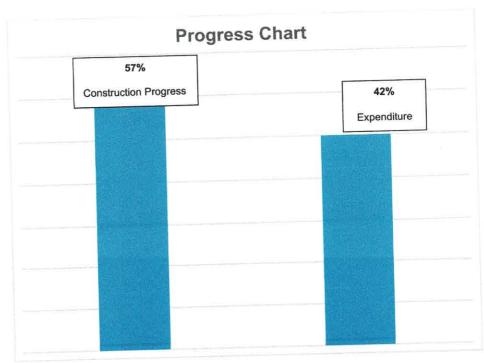
1. CONTRACT DETAILS

Contract Description: Phase 1 – Upgrade of internal water network in Chris Hani, Richblock and Las Vegas

Contract No: TECH03/2023/24 (Phase1)	
Site Hand-over	. 14 June 2024
Anticipated Completion date	13 December 2024
Actual Completion date	TBC
Percentage Time Lapsed	57%
Project Construction Budget	R 21 980 400.16

2. PROJECT STATUS

The Financial year allocation for the MIG is **R 12 258 000.00** and the expenditure to date for quarter 1 of the 2024/25 Financial year is **R 4 685 597,22**. The graph below indicates the current implemented project (Phase 1) overall Status to date for Construction Progress and Expenditure



The current construction progress was monitored, and the following progress was recorded for the above-mentioned project Phase 1 to date. The table below indicates the current project construction progress for the implemented project.

Table 1: Construction Progress

No	Activity	Chainage 0 - 500m	Chainage 500 - 1000m	Chainage 1001 - 1500m	Chainage 1501 - 2000m	Chainage 2001 - 2500m	Chainage 2501 - 3000m	Chainage 3001 - 3500m	Average
1	Site Establishment	100%	100%	100%	100%	100%	100%	100%	100%
2	Setting-Out	100%	100%	100%	100%	100%	100%	100%	100%
3	Trench Excavation	100%	100%	100%	100%	100%	100%	100%	100%
4	Bedding Preparation	100%	100%	100%	100%	100%	100%	65%	95%
5	Pipe Laying	100%	100%	100%	100%	100%	0%	0%	71%
6	Pipe Blanket	0%	0%	0%	0%	0%	0%	0%	0%
7	Thrust blocks	0%	0%	0%	0%	0%	0%	0%	0%
8	Pipe testing	0%	100%	70%	0%	0%	0%	0%	24%
9	Valves / MH	0%	100%	0%	0%	100%	75%	0%	39%
10	Backfill	75%	40%	50%	60%	50%	60%	20%	51%
11	Connect of existing network	0%	50%	65%	100%	55%	50%	0%	46%
12	Tank 1 - Las Vegas		95%					95%	
13	Tank 2 - Chris Hani		85%						85%
14	Horizontal Drilling N12	60%						60%	
15	Horizontal Drilling N18	0%						0%	
16	Roads crossing Cemetery	1070						70%	
17	Roads Reinstate		0376						65%
18	Cleaning				55%				55%
19	Other Work				20%				20%
-,5		A	ctual Prog	ress					57%

3. PROJECT FINANCIAL OVERVIEW

3.1 Construction Cost

The table below indicates the Project Construction current expenditure for the implemented project (Phase 1).

Table 2: Construction Cost

Payment Certificate	Amount (Incl. VAT)	Payment Status
Payment Certificate No. 1	R 4 743 236.09	Paid
Payment Certificate No. 2	R 2 162 009.65	Paid
Payment Certificate No. 3	R 1 143 495.60	Paid
Payment Certificate No. 4	R 4 677 072.29	Paid
Payment Certificate No. 5	R 2 768 429.41	Paid
TOTAL	R 15 494 243.03	

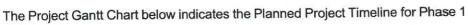
3.2 Professional Fees Cost

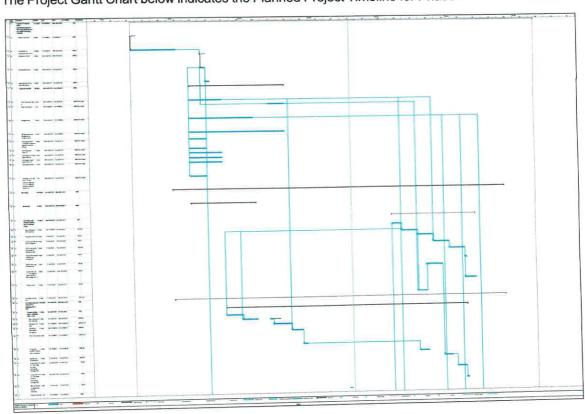
The table below indicates the Project Professional Fees Expenditure for the implemented project (Phase 1).

Table 3: Professional Fees Summary

Payment Certificate	Amount (Incl. VAT)	Payment Status	
Payment Certificate No. 1	R 1 212 865.08	Paid	
Payment Certificate No. 2	R 1 104 218.56	Paid	
Payment Certificate No. 3	R 498 705.73	In Progress	
TOTAL	R 2 815 789.37		

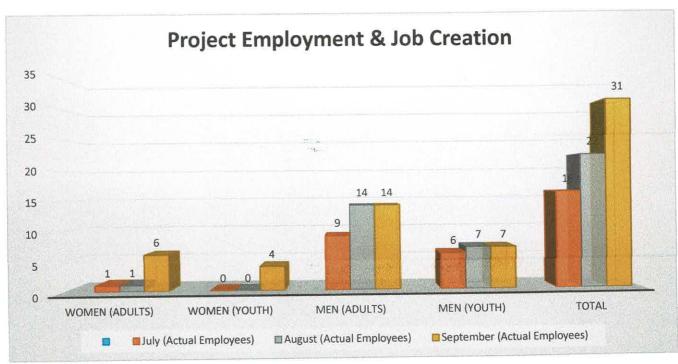
3.3 Project Gantt Chart





4. PROJECT EMPLOYMENT & JOB CREATION

The Bar Chart below indicates the actual and planned employment and Job Creation for the project known as upgrade on internal water network in Chris Hani, Richblock and Las Vegas (Phase 1).



The project actual & planned employment on Phase 1 is captured in Table below.

Month Employees	Women (Adults)	Women (Youth)	Men (Adults)	Men (Youth)	Total
July (Actual Employees)	1	0	9	6	16
August (Actual Employees)	1	0	14	7	22
September (Actual Employees)	6	4	14	7	31

5. PROJECT CHALLENGES

The current implemented project for upgrade of internal water network in Chris Hani, Richblock & Las Vegas (Phase 1) overall progress are very good and only the following challenges was recorded.

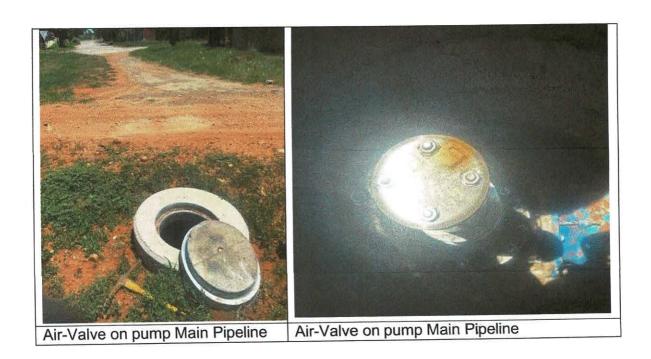
- The excavation along certain sections of the rising main pipeline is encountering hard rock outcrops, necessitating trench blasting in those areas to facilitate excavation.
- 2. Due to the low water table conditions, the contractor is experiencing water

- ingress into the trench, which will require the use of additional fill material and geotextile Bidum material to enhance the pipe bedding and blanket installation.
- 3. Horizontal Drilling underneath the N12 require rock drilling due to Hardrock.
- Existing pumps dedicated to this project at Magareng pump station are nonoperational and need urgent refurbishment and upgrade. More detail in V.O. correspondence.

6. PROJECT PHOTOS

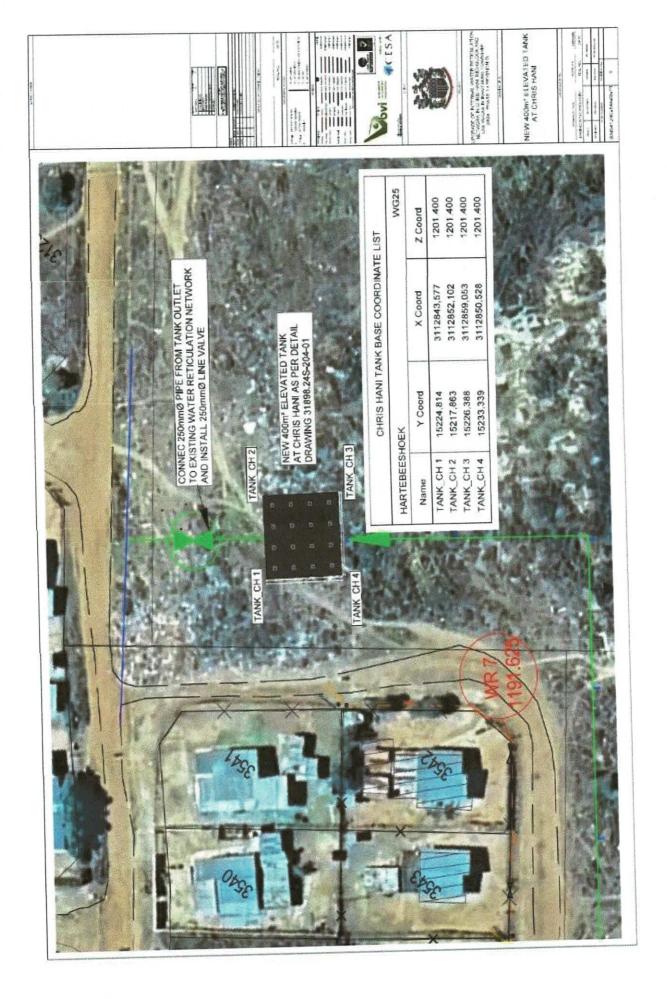
The following pictures was taken during Phase 1 construction of upgrade internal water network in Chris Hani, Richblock and Las Vegas.





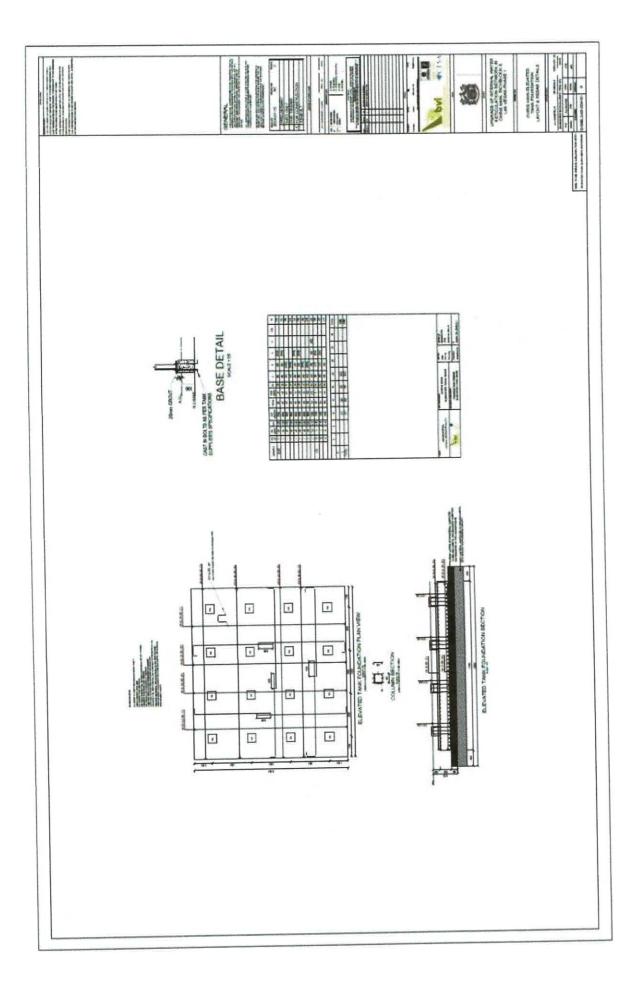
7. CONSTRUCTION DRAWINGS











9.	CERTIFICATION OF PROGRESS REPORT: UPGRADE OF THE WARRENTON WATER TREATMENT WORKS
	COMPILED BY
	Rekk.

TECHNICIAN: TECHNICAL SERVICES DEPARTMENT

APPROVED/BY

ANGIE SELEKE

TM THAGE

ACTING MUNICIPAL MANAGER