

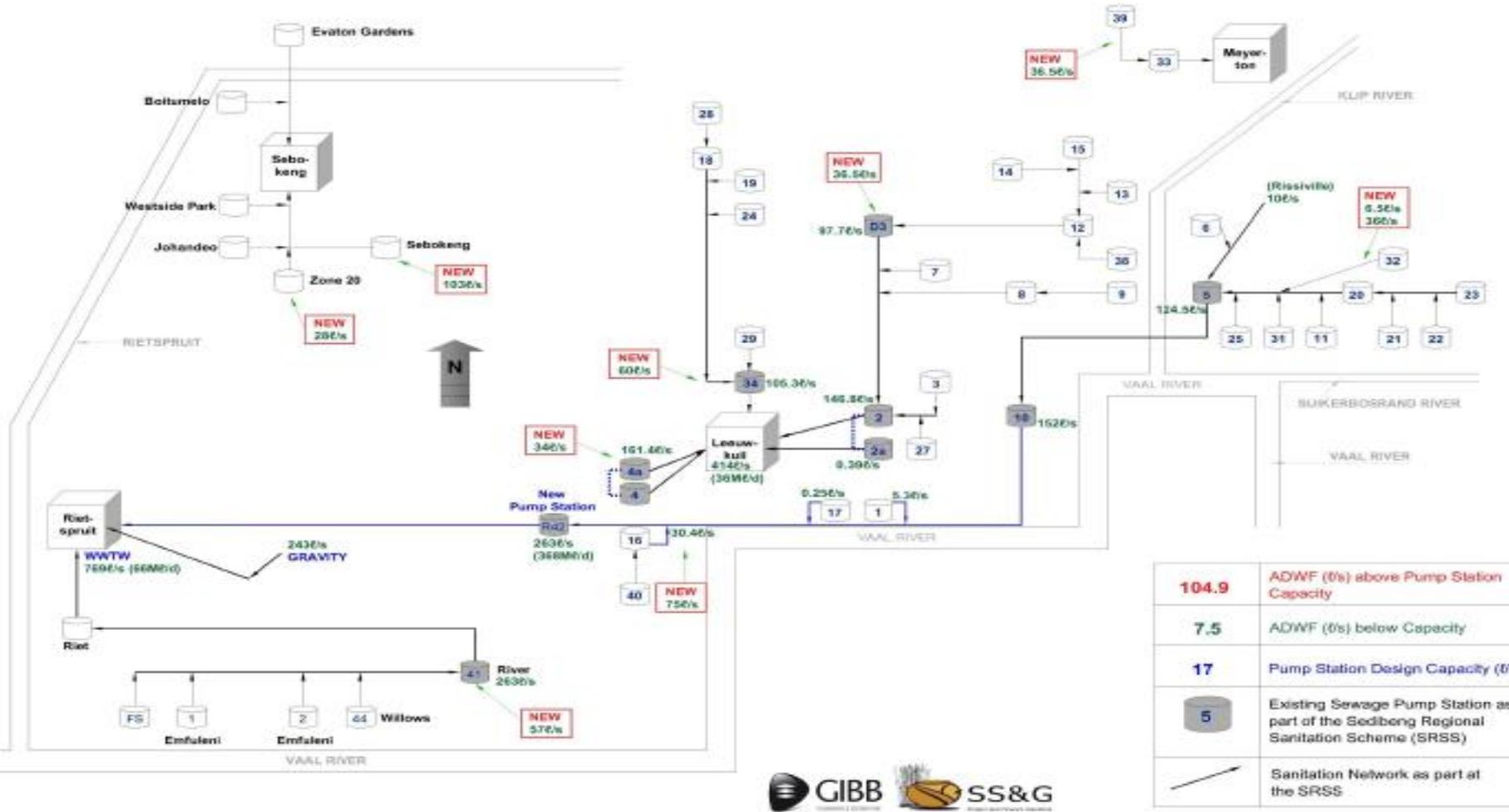


**THE SECTION 63 VAAL RIVER INTERVENTION
PROJECT PROGRESS
04 February 2022**

COMPLEXITY OF EMFULENI PUMPING SYSTEM

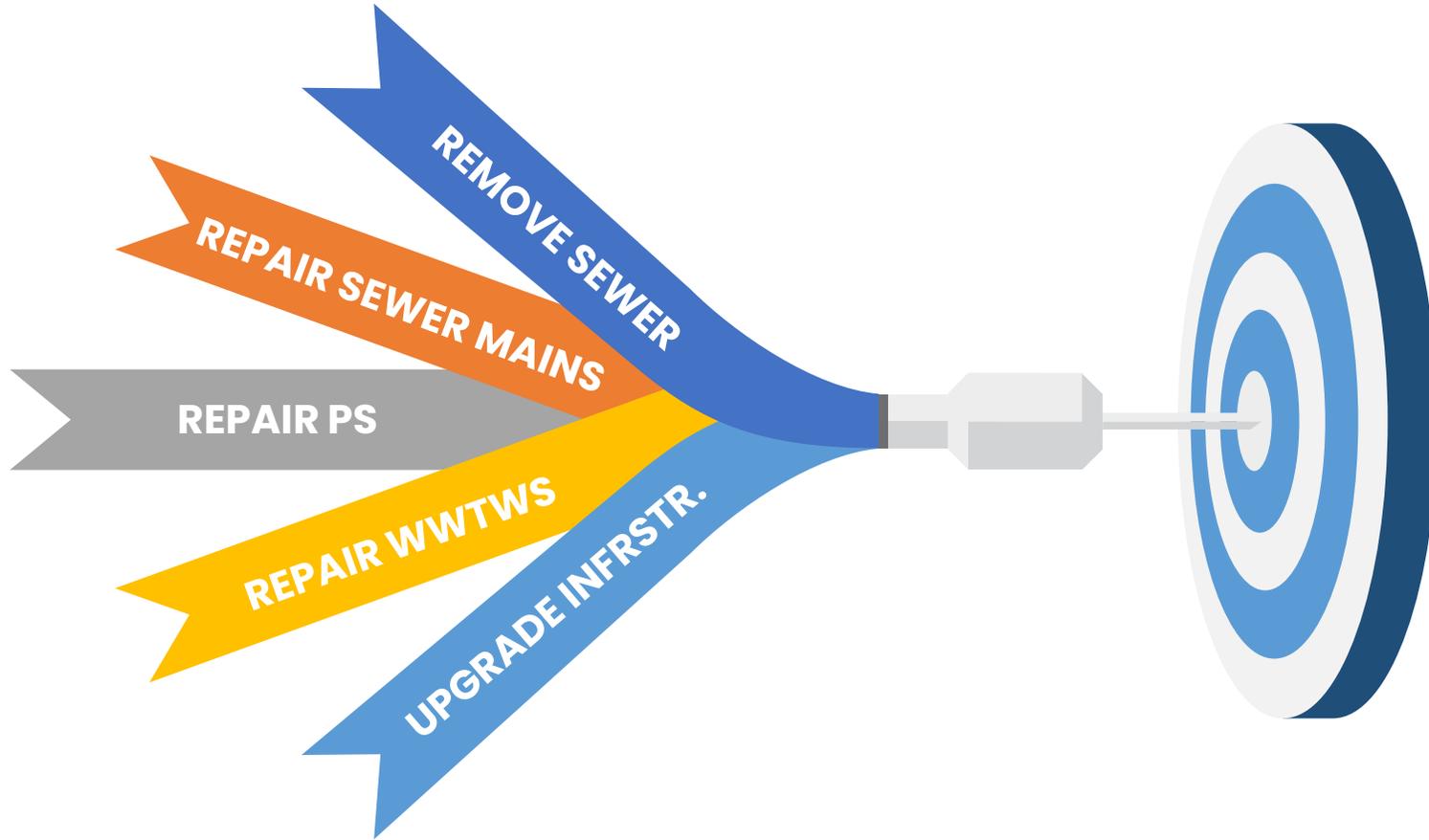


RAND WATER



SECTION 63 GOALS

SEWER REMOVAL & EQUITABLE PROVISION OF POTABLE WATER



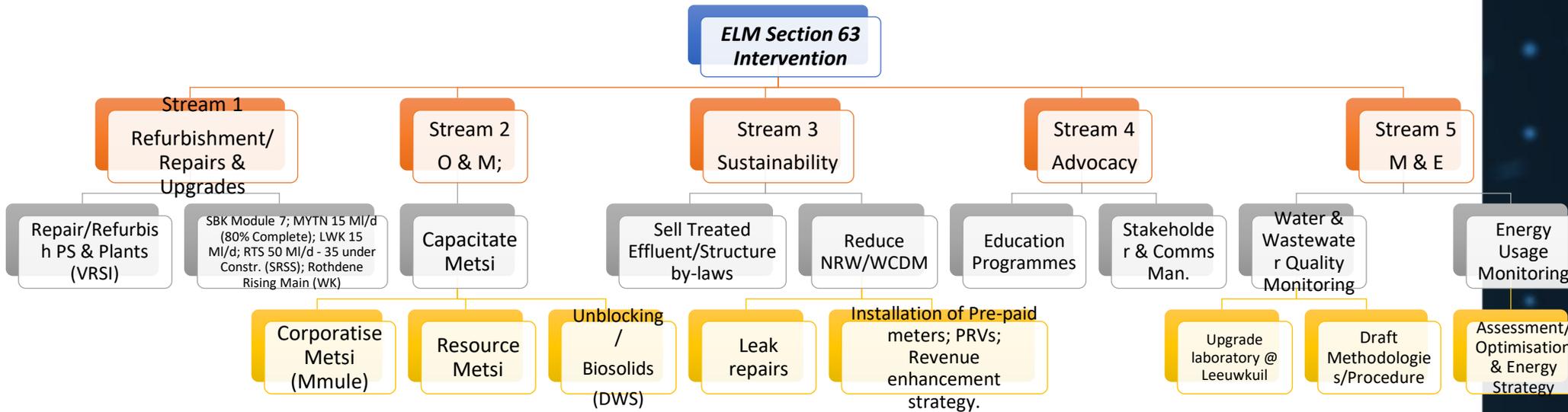
**RESTORE SUSTAINABLE
WATER SERVICES**

**ELIMINATE POLLUTION
TO THE VAAL RIVER SYSTEM**

STREAMS:CRITICAL SUCCESS FACTORS



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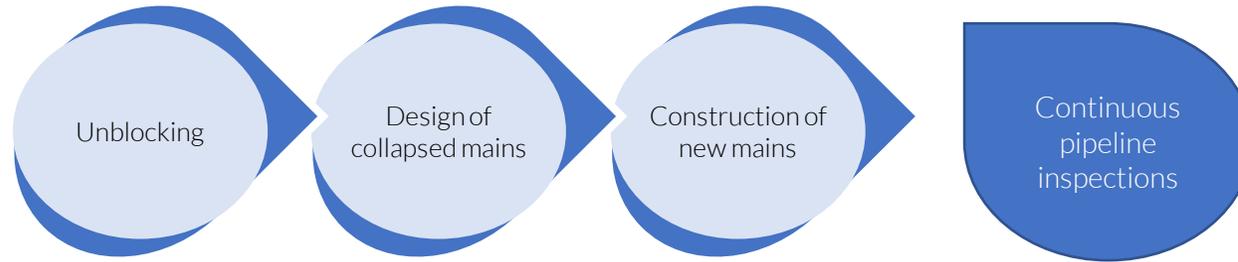


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PROGRESS – 04 FEBRUARY 2022

ELM SECTION 63

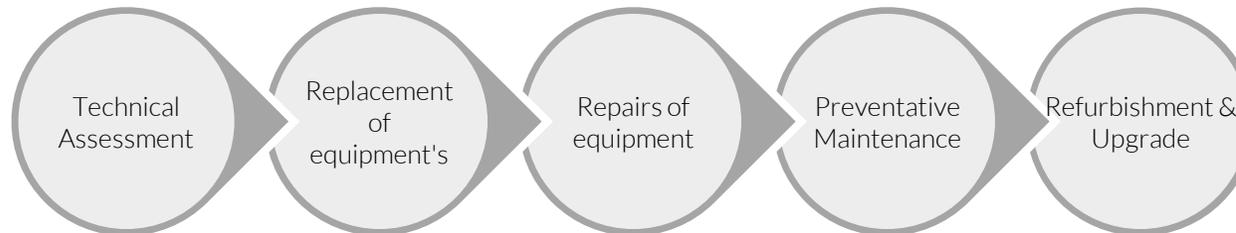
SEWER REMOVAL



REPAIRS OF PS



REPAIRS OF WWTWS & WTP & ASSOCIATED INFRASTRUCTURE



O & M



DELIVERY OF PLUMBING TOOLS AND SPARES



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WATER LEAKS REPAIRS



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VAALOEWER WATER PLANT



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EMERGENCY DECLARATION: COLLAPSED PIPELINE:

SEBOKENG ZONE 10 EXTENSION I

- Appointed contractor: C&K Special Services
- Total budget cost: R4 046 656.57 Excl. VAT
- Investigation: 31 December 2021
- Site Establishment : 13 January 2022
- Project Period: 28 February 2022 (2 months)



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EMERGENCY DECLARATION: COLLAPSED PIPELINE:



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Local Beneficiation

- Skilled , 1 Safety Officer – 18 January 2022
- 9 local labor appointed – 24 January 2022, 9 youth male,
- 3 Local SMME appointed
- Security Services
- Chemical toilets
- Environmental cleaning
- House no 1029 – completed
- House no 1438 clear site – completed
- House no 1284 – fixed collapsed sewer pipeline



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REPLACEMENT OF CABLES:WASTEWATER TREATMENT WORKS

SECURITY OF CABLES: METAL PLATES TO COVER CABLE RACKS



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EMERGENCY DECLARATION: COLLAPSED PIPELINE:

Union Street

Project Progress:

- Pump Station 10 Repaired on 11 January 2022
- Installation & commissioning of the x3 soft starter, spike arrestor & relays for protection
- Excavation of the pit to conduct Risk Assessment
- Risk Assessment to determine jerking location
- Alignment on the existing line versus alongside the existing line
- Dolomitic soil conditions, sink hole and water table limit the rate/speed on project execution



VIDEO-2022-01-26-14-15-29.mp4



RAND WATER

IMPLEMENTATION PLANS



RAND WATER

Stakeholder Management & Communications Plan

[Progress Reports\04 Feb 2022\Communication and Stakeholder Programme - Section 63 5](#)

[Jan 22 formatted version.pdf](#)

Adverts

[Progress Reports\04 Feb 2022\LANW055010E.mp3](#)

Security Plan

[Progress Reports\04 Feb 2022\SECURITY IMPROVEMENT ACTION PLAN FOR EMFULENI](#)

[FEB 2022.docx](#)



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PROJECTIONS (COST ESTIMATE) FOR EMFULENI S63

Item no:	Description	Expenditure to Date	Cost Estimate			Rands
			Jan	Feb	Mar	Total
1	Vehicles (Single & double cap with canopy)	76,621.67	-	383,229.72	383,229.72	843,081.11
2	Staff and PPE		145,669.46	4,388,000.00	588,000.00	5,121,669.46
3	Medical Surveillance for Emfuleni S63			116,400.00		116,400.00
4	Mechanical and Electrical repairs			1,651,059.00	24,348,941.00	26,000,000.00
5	Union Emergency			4,213,913.10	9,984,869.00	14,198,782.10
6	Supply & delivery of Cables Sebokeng				1,030,756.00	1,030,756.00
7	Supply & delivery of cables Rietspruit				380,691.00	380,691.00
8	Supply & delivery of cables Leeuwkuil			466,297.61		466,297.61
9	Supply & delivery of plumbing tools	885,030.00				885,030.00
10	Supply & delivery of plumbing spares		1,041,285.00			1,041,285.00
11	Cleaning of Reservoirs at Vaalower	433,499.97				433,499.97
12	70kg Chlorine Cylinder				40,000.00	40,000.00
13	3X Containers				1,120,800.00	1,120,800.00
14	7x Storage Containers converted to office			906,000.00		906,000.00
15	Sample Analysis	73,996.00	24,636.00	84,000.00	174,000.00	356,632.00
16	Sebokeng Zone 10		1,700,000.00	2,346,565.74		4,046,565.74
17	Security	184,297.00	184,297.00	184,297.00	184,297.00	737,188.00
18	Activity Based Cost / Disbursements	2,229,837.28	847,613.68	1,000,000.00	1,000,000.00	5,077,450.96
19	Leeuwkuil Sludge pumps and generator repairs			20,000.00	500,000.00	520,000.00
20	Leeuwkuil PST repairs				200,000.00	200,000.00
21	Leeuwkuil clarifiers repairs				400,000.00	400,000.00
22	Vaalowoeper pumps			500,000.00		500,000.00
23	Vaalowoeper Generator				500,000.00	500,000.00
24	Calcium Hypochloride Gran (HTH)	3,600.00				3,600.00
25	20 drums X Gross Weight 250kg, Net Weigh			125,000.00		125,000.00
26	Advocacy		41,960.87	2,000,000.00	1,500,000.00	3,541,960.87
27	4x4 TRACTOR LOADER BACKHOE (TLB)				1,000,000.00	1,000,000.00
Total Excl VAT and IAFEE		3,886,881.92	3,985,462.01	18,384,762.17	43,335,583.72	69,592,689.82



INCLUDING VAT and IAFEE
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(84% of the R100 Million)
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R84,243,782.42

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CHALLENGES



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CHALLENGES	ACTION
Safety and security on sites has been identified as a major risk	Application for National Key Point in Progress and appointment of Security Service Provider as per SAPS assessment completed.
Community stoppages Staff unrest/boycott	Communication & Stakeholder Engagement Workshop, continuous engagement with community, provide project progress Emfuleni recruitment process to be finalized to allow new recruitment process of capacitation of Metsi
Sewer pipeline and manhole blockages	Community awareness programme on water and sanitation
Cable theft on the sanitation infrastructure,	Security to be strengthen in all sites and cable protection to be implemented



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