



BENCHMARKS				
POINT ID	Y-COORDINATES	X-COORDINATES	Z	DESCRIPTION
BM1	-2 118,53	-197 668,67	1 092,92m	16mm R.I.P in Concrete
Z2	-1 922,41	-198 191,84	1 091,62m	16mm R.I.P in Concrete
Z3	- 831,24	-198 084,72	1 075,37m	12mm R.I.P in Concrete
Z4	-1 001,34	-198 179,72	1 076,34m	12mm R.I.P in Concrete
Z5	-1 027,13	-198 102,81	1 075,85m	12mm R.I.P in Concrete
Z6	-1 674,64	-198 605,45	1 090,26m	12mm R.I.P in Concrete
Z7	-1 687,85	-197 897,63	1 082,17m	12mm R.I.P in Concrete
Z8	-1 415,04	-198 138,32	1 077,92m	12mm R.I.P in Concrete
Z9	-1 462,63	-197 848,70	1 077,35m	12mm R.I.P in Concrete
Z10	-1 464,12	-197 510,51	1 074,94m	12mm R.I.P in Concrete

- LEGEND:**
- NEW SEWER LINES, uPVC CLASS 400kPa
  - NEW CAST IN-SITU SEWER MANHOLE
  - EXISTING SEWER LINES TO BE RE-CONSTRUCTED
  - EXISTING SEWER MANHOLES TO BE DEMOLISHED
  - EXISTING SEWER LINES AND MANHOLES
  - FUTURE PHASES SEWER INFRASTRUCTURE
  - NEW SEWER ERF CONNECTION
  - BENCHMARKS
  - SEWER MANHOLE

ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED ON SITE BY THE CONTRACTOR BEFORE COMMENCING ANY WORK.

THE COPYRIGHT IN THIS DRAWING, INCLUDING THE DESIGN AND DETAILS SHOWN HEREON, IS RESERVED BY THE ENGINEERS.

THIS DRAWING IS NOT TO BE USED IN WHOLE OR PART OTHER THAN FOR THE INTENDED PURPOSE AND PROJECT, AS DEFINED ON THIS DRAWING. REFER TO THE CONTRACT FOR FULL TERMS AND CONDITIONS.

- Sewer Legend:**
- Upgrade the existing Sewer line
  - New 1100 uPVC Sewer line
  - New 1600 uPVC Sewer line
  - New 2000 uPVC Sewer line
  - New 1100 uPVC Sewer house connection
  - Existing Sewer line
  - Future Sewer line
  - New Sewer MH @ A58
  - Existing Sewer MH
  - Future Sewer MH
  - New Toilet
  - Phase 2A - Built/Existing Toilet
  - Phase 2B - New Erf Connections
  - Phase 2B - New Toilet & Connections
  - Phase 2B - Built House New Connection
  - Phase 3 - New Erf Connections
  - Phase 3 - New Toilet & Connections
  - Phase 3 - Built House New Connection
  - Future Phases
  - Phase 2 - Vacant Erf Future Connections

NO	DATE	REVISION	INIT.

A 09-10-2024 FOR APPROVAL A.S

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**PROJECT**  
FRANSFONTEIN BUCKET SYSTEM ERADICATION PHASE 3

**TITLE**  
SEWER NETWORK: SITE PLAN

**DESIGNED** APOLLOS SHAKELA **APPROVAL BY CLIENT**  
**DRAWN** APOLLOS SHAKELA **FOR CLIENT**  
**APPROVED FOR WCE** TIMOTELUS NEGONGA **DATE**  
**DATE OF ISSUE:** OCTOBER 2024 **SCALE:** 1:1250

**DRAWING NO.** 19012000-CR-01-SP **SHEET SIZE** A0  
**REVISIONS:** A