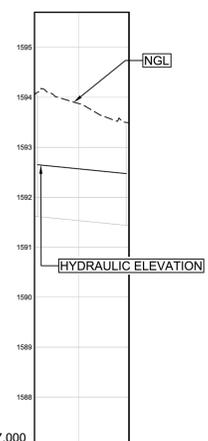


Datum 1595.000		Datum 1590.000	
Chainage	1600.912 - 1602.412	1597.408 - 1598.908	1599.408 - 1600.908
Ground Level	1600.912 - 1602.412	1597.408 - 1598.908	1599.408 - 1600.908
Manhole Name	SI-K108	SI-K108	OF001
Inlet / Outlet	SI-K108	SI-K108	OF001
Hydraulic Elevation	1600.948	1599.948	1598.948
Length	68.087 m	68.085 m	68.087 m
Link Type / Link Size	100D Concrete 750 mm	100D Concrete 750 mm	100D Concrete 750 mm
Slope	2.358%	2.292%	2.063%
Flow Capacity	1.339 m³/s 1.555 m³/s	1.355 m³/s 1.553 m³/s	1.374 m³/s 1.454 m³/s
Velocity	4.258 m/s	4.216 m/s	4.299 m/s

Manhole SI-K108 to OF001



SCALE H 1 : 50  
V 1 : 50  
Datum 1587.000

Chainage	1590.841 - 1591.161
Ground Level	1590.841 - 1591.161
Manhole Name	SI-K118
Inlet / Outlet	SI-K118
Hydraulic Elevation	1590.841
Length	18.951 m
Link Type / Link Size	100D Concrete 900 mm
Slope	1.000%
Flow Capacity	1.065 m³/s 1.612 m³/s
Velocity	2.956 m/s

Manhole SI-K118 to BE-K111

- GENERAL NOTES:**
1. THE CONTRACTOR TO KEEP A FULL SET OF DRAWINGS ON SITE.
  2. THE CONTRACTOR IS RESPONSIBLE FOR CORRECT SETTING OUT OF BUILDINGS ON SITE WITH PARTICULAR REFERENCE TO BOUNDARIES AND BUILDING LINES AND GIVEN CO-ORDINATES.
  3. THE CONTRACTOR TO VERIFY ALL LEVELS AND DIMENSIONS ON SITE.
  4. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY. DIMENSIONS GIVEN IN METRES UNLESS STATED OTHERWISE.
  5. LARGE SCALE DETAILS TO BE USED WHERE AVAILABLE.
  6. ALL LAYOUTS TO BE READ IN CONJUNCTION WITH ANY RELEVANT ARCHITECTURAL, CIVIL, STRUCTURAL OR OTHER DRAWINGS.
  7. ANY ERRORS OR DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER FOR CORRECTION BEFORE WORK IS UNDERTAKEN.
  8. THE CONTRACTOR IS TO IDENTIFY AND EXPOSE, WHERE RELEVANT, ALL UNDERGROUND SERVICES ON SITE.
  9. CONSTRUCTION TO BE IN ACCORDANCE WITH THE CONTRACT SPECIFICATION WORKS INFORMATION, OR RELEVANT SABS 1200 SPECIFICATION.
  10. SHOULD THE ENGINEER BE REQUIRED ON SITE, 24 HRS NOTICE IS REQUESTED.

- EARTHWORKS:**
1. ALL EARTHWORKS TO BE CARRIED OUT IN ACCORDANCE WITH SABS WITH SABS 1200 DM. (INCLUDING ALL LATEST REVISIONS.)
  2. PIPE TRENCHES IN ACCORDANCE WITH SABS 1200 DS.
  3. SITE CLEARANCE AND GRUBBING OPERATIONS SHALL BE CARRIED OUT IN ACCORDANCE WITH SABS 1200 C.
  4. THE CONTRACTOR TO IDENTIFY AND EXPOSE, WHERE RELEVANT, ALL UNDERGROUND SERVICES ON SITE. HE SHOULD CLASH WITH ALL RELEVANT AUTHORITIES FOR THE LOCATION AND PROTECTION OF THESE SERVICES.
  5. ALL APPROVED MATERIAL TO BE STOCKPILED SEPARATELY, AND LATER BE REUSED AS PER ARCHITECTS / ENGINEERS INSTRUCTIONS.
  6. THE CONTRACTOR IS TO USE ONLY APPROVED FILL MATERIAL AS SPECIFIED BY THE ENGINEER.
  7. THE CONTRACTOR SHALL TIMOROUSLY SUBMIT FIELD AND LABORATORY TEST RESULTS OF RELATIVE COMPACTION DENSITIES, CBR INDICATOR TESTS OR ANY OTHER TEST RESULTS AS REQUIRED, TO THE ENGINEER.
  8. a) FIELD DENSITY TESTS SHOULD BE CARRIED OUT AT A RATE OF 1 TEST PER 150 SQ. METRE PER LAYER.  
b) THE POSITION OF TESTS AND LAYERS TESTED TO BE INDICATED ON A KEY PLAN AND SUBMITTED WITH THE RESULTS TO THE ENGINEER.  
c) TESTS TO BE DONE BY AN INDEPENDENT LABORATORY APPROVED BY THE ENGINEER.
  9. POSITIONS OF TESTS TO BE APPROVED BY THE ENGINEER.
  10. ONE OF THE DENSITY TESTS SHOULD BE A SAND REPLACEMENT TEST / 10 TROXLER TESTS AND EVENLY SPREAD OVER ALL LAYERS.
  11. THE CONTRACTOR SHOULD MAKE PROVISION FOR STORM WATER CONTROL.
  12. MAXIMUM OUT SLOPES TO BE 1:1 AND FILL SLOPES TO BE 1:2 UNLESS OTHERWISE STATED.
  13. AS BUILT SURVEY LEVELS TO BE HANDED TO THE ENGINEER AFTER COMPLETION OF EARTHWORKS.

- BACKFILLING:**
1. ALL BACKFILLING BEHIND RETAINING WALLS, BELOW SURFACE BEDS, UNDER STAIRS ON FILL AND ALL JOCKEY SLABS SHALL BE G7 MATERIAL COMPACTED IN 150mm THICK LAYERS TO 90% MOD AASHTO DENSITY, UNLESS OTHERWISE SHOWN.
  2. ALL MATERIAL USED FOR BACKFILLING IS TO BE TESTED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER, UNLESS OTHERWISE SHOWN.

REV No	DATE	DESCRIPTION
A	SEPT 2022	ISSUED FOR TENDER

**REVISIONS**

**JOHANNESBURG DEVELOPMENT AGENCY**

INSTITUTION  
**JOHANNESBURG DEVELOPMENT AGENCY**

PROJECT  
**FINETOWN PROPER**

CONTRACT - SECTION  
**-**

DISCIPLINE  
**CIVIL & STRUCTURAL**

WORK DESCRIPTION - SUB DIVISION  
**WORKING DRAWING**

DRAWING DESCRIPTION  
**STORMWATER LONGSECTION  
SIMMONDS & WILSON STREET  
SHEET 1**

FILE No.	DESIGN	SCALE	ITEM No.	DRAWN	CHECKED
	INGEROP SOUTH AFRICA		M. RAMONGANE (REVIEW)	E. MALAZA	

DATE	NAME	SIGNATURE	PR NUMBER
	E. MALAZA		201570224

CONSULTANT:

**DITLOU CONSULTING ENGINEERS**

CADD SYSTEM	AUTO CAD	FILE NAME
SIZE	DRAWING NUMBER	REV
A0	1119K - 05L02	A