

PIPE LIST-Extension 54		
NAME	Y-COORD	X-COORD
MH1	66334.407	2730511.667
MH2	66268.366	2730471.126
MH3	66236.331	2730455.531
MH4	66214.923	2730449.847
MH5	66199.587	2730437.410
MH6	66212.255	2730404.630
MH7	66199.934	2730379.191
MH8	66210.523	2730373.499
MH9	66275.246	2730361.584
MH10	66340.802	2730348.282
MH11	66329.993	2730305.152
MH12	66315.132	2730266.149
MH13	66368.235	2730225.639
MH14	66411.299	2730242.889
MH15	66465.021	2730223.781
MH16	66519.939	2730204.248
MH17	66562.389	2730175.054
MH18	66606.796	2730144.515
MH19	66616.179	2730104.178
MH20	66625.335	2730065.178
MH21	66637.442	2730051.757
MH22	66641.158	2730015.025
MH23	66654.796	2729956.676
MH24	66667.427	2729902.633
MH25	66606.344	2729859.098
MH26	66543.406	2729814.781
MH27	66514.703	2729804.751
MH28	66485.062	2729753.322
MH29	66522.611	2729712.125
MH30	66513.034	2729685.993
MH31	66542.884	2729653.077
MH32	66572.753	2729620.153
MH33	66610.817	2729605.986
MH34	66666.384	2729594.232
MH35	66750.499	2729636.726
MH35A	66762.612	2729638.572
INLET	66763.299	2729635.955
OUT FLOW	66775.982	2729596.296
MH36	66795.070	2729525.316
MH37	66809.784	2729598.365
MH38	66856.808	2729585.958
MH39	66884.752	2729530.689
MH40	66896.526	2729498.146
MH41	66917.907	2729439.052
MH42	66938.116	2729386.449
MH43	66985.838	2729363.972
MH44	66992.122	2729343.344
MH45	66990.002	2729288.714
MH46	66998.981	2729247.734
MH47	67007.961	2729206.755
MH48	67062.206	2729147.955
MH49	67091.716	2729115.966
MH50	67121.225	2729083.980
MH51	67133.530	2729085.553
MH52	66388.602	2729706.939
MH53	66356.312	2729686.189
MH54	66330.377	2729648.770
MH55	66322.085	2729595.809
MH56	66394.263	2729587.824
MH57	66435.027	2729580.292

GENERAL ENGINEERING NOTES

- ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SABS REQUIREMENTS.
- ALL DIMENSIONS ARE IN MILLIMETRES. (UNLESS OTHERWISE SPECIFIED)
- DO NOT SCALE FROM THESE DRAWINGS.
- ALL DIMENSIONS MUST BE CHECK AND APPROVED ON SITE.
- THE CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR MUNICIPAL CIVIL ENGINEERING WORKS, THIRD EDITION 2005 AND THE STANDARD CTWW DETAIL DRAWINGS.
- THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE STANDARD DRAWINGS (IF APPLICABLE).
- THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, SERIES 4.
- THE SIGNATURE OR INITIALS ON THIS DRAWING, OF ANY MANAGER OF WATER AND SANITATION AND INFRASTRUCTURE DEVELOPMENT DEPARTMENT, IN NO WAY REMOVES ANY RESPONSIBILITY WHATSOEVER FROM THE CONSULTANT.
- THE CONSULTANT REMAINS RESPONSIBLE TO ENSURE THAT ALL THE GUIDELINES, STANDARD DRAWINGS, STANDARDS AND SPECIFICATIONS OF WATER AND SANITATION AND INFRASTRUCTURE DEVELOPMENT DEPARTMENT HAVE BEEN MET AND COMPLIED WITH.
- FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE.

LEGEND

SEWER PIPE

SEWER MANHOLE

EXISTING SEWER PIPE LINE

1IN100 YEAR FLOOD LINE

WARD BOUNDARY


SEWER NOTES:

- PRECAST CONCRETE MANHOLES AND SLABS ARE TO COMPLY WITH SABS 1204 (1993)
- PIPE SECTIONS AND SLABS ARE TO BE BEDDED ON A 2:1 CEMENT MORTAR GROUT TO FORM A COMPACTED WATER TIGHT JOINT OF APPROXIMATELY 5 mm.
- MANHOLE SHAFTS ARE TO BE PLACED OVER THE LARGEST LANDING ON THE DOWN STREAM SIDE.
- STEPS TO BE LOCATED OVER LARGEST LANDING ON DOWN STREAM SIDE.
- MANHOLE COVER AND FRAMES TO BE HEAVY DUTY PRECAST CONCRETE COVER WITH STEEL LIP RING AND FRAME.
- THE MAXIMUM PROTRUSION OF PIPES INTO MANHOLES TO BE 50mm.
- CHANNEL INSERTS BETWEEN STANDARD FITTINGS TO BE 100mm MINIMUM.
- THE VERTICAL DISTANCE BETWEEN STEP IRONS IS 250 mm + or - 12 mm. THE HORIZONTAL DISTANCE BETWEEN THE CENTRES OF THE TREADS IS 150mm + or - 12mm.
- ALL PIPES AND FITTINGS TO BE UPVC HEAVY DUTY CLASS 34 AND COMPLY WITH SABS 791.
- ALL CONNECTIONS TO BE CAPPED BEFORE BACKFILLING AND TO BE WIRE MARKED.
- ALL PIPES, FITTINGS TO SABS 559 (1993), AS AMENDED.
- ALL CONCRETE TO BE 15MPa AS PER SABS 1200 (1992).
- THE MINIMUM GRADE OF THE SEWER CONNECTION IS TO BE 1 IN 60.
- IN ALL CASES THE JUNCTION INTO THE MAIN SEWER IS TO BE ENCASED.
- INVERT OF CONNECTION TO CONNECT TO SOFFIT OF SEWER.
- FOR SEWER LONGITUDINAL SECTIONS SEE DRG. No C0408152 AND S3.
- ALL WORK AND FREQUENCY OF TESTING TO COMPLY WITH SABS 1200 D.
- SETTING OUT DIMENSIONS AND LEVELS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
- ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
- ALL INTERNAL SEWER PIPES TO BE 1600 uPVC ON SELECTED GRANULAR MATERIAL.


REVISION INFORMATION

No.	DATE	DESCRIPTION	BY
E1	2023-09-01	ISSUED FOR DETAIL DESIGN	LM
E2	2023-09-02	RE-ISSUED FOR DETAIL DESIGN	NT
F1	2023-09-21	ISSUED FOR TENDER	NT

CLIENT

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CONSULTANT

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PROJECT DESCRIPTION




BURGERSFORT EXT 54, EXT 58, EXT 71 & 72

DISCIPLINE

CIVIL ENGINEERING

DRAWING DESCRIPTION

BURGERSFORT EXT 54, SEWER LAYOUT (SHEET 3 OF 3)

DRAWN BY:	M.MOFOKENG	SIGNATURE AND DATE:	 21 SEPTEMBER 2023
REVIEWED BY:	M.TSOAI	SIGNATURE AND DATE:	 21 SEPTEMBER 2023
APPROVED BY:	N.TSOTETSI	SIGNATURE AND DATE:	 21 SEPTEMBER 2023
PROJECT NO	1121	DATE	21 September 2023

DRAWING NO

NT05-22-1121-100-3

SCALE	SHEET SIZE	REVISION
	A0	F1