



GENERAL ENGINEERING NOTES			
ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE STANDARD SPECIFICATION OF THE LATEST RELEVANT SABS REQUIREMENTS.			
ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS OTHERWISE SPECIFIED)			
DO NOT SCALE FROM THESE DRAWINGS.			
1. ALL DIMENSIONS MUST BE CHECKED AND APPROVED ON SITE.			
2. THE CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR MUNICIPAL CIVIL ENGINEERING WORKS, THIRD EDITION 2005 AND THE STANDARD CTWYM DETAIL DRAWINGS.			
3. THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE STANDARD DRAWINGS (IF APPLICABLE).			
7. THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, SERIES 4.			
8. 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.			
9. 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			
10. FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE.			
<b>LEGEND</b>			
SEWER PIPE			
SEWER MANHOLE			
EXISTING SEWER PIPE LINE			
1IN/100 YEAR FLOOD LINE			
WARD BOUNDARY			
<b>SEWER NOTES:</b>			
PRECAST CONCRETE MANHOLES AND SLABS ARE TO COMPLY WITH SABS 1294 (1993)			
PIPE SECTIONS AND SLABS ARE TO BE BEDDED ON A 2:1 CEMENT MORTAR GRADE 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 mtr. 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 781.			
ALL CONNECTIONS TO BE CAPPED BEFORE BACKFILLING AND TO BE WIRE MARKED.			
11. ALL PIPES, FITTINGS TO SABS 559 (1993), AS AMENDED			
12. ALL CONCRETE TO BE 15MPa AS PER SABS 1200 (1982).			
13. THE MINIMUM GRADE OF THE SEWER CONNECTION TO BE 1 IN 60.			
14. IN ALL CASES THE JUNCTION INTO THE MAIN SEWER TO BE 1 IN 60.			
15. INVERT OF CONNECTION TO CONNECT TO SOFFIT COVER OF SEWER			
16. FOR SEVER LONGITUDINAL SECTIONS SEE DRG. No. C-0408182 AND S3			
17. WORK AND FREQUENCY OF TESTS TO BE COMPLIED WITH SABS 1200 D			
18. SETTING OUT DIMENSIONS AND LEVELS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.			
19. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER			
20. ALL INTERNAL SEWER PIPES TO BE 1600 uPVC ON SELECTED GRANULAR MATERIAL.			

  

REVISION INFORMATION			BY
01	DATE:	DESCRIPTION:	
01	2023-09-21	ISSUED FOR DETAIL DESIGN	UAF
02	2023-09-22	RE-ISSUED FOR DETAIL DESIGN	NT
01	2023-09-21	ISSUED FOR TENDER	NT

  

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Housing Development Agency  
BLOCK B, MILLENIUM BUILDING  
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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 LONGITUDINAL SECTIONS**

DRAWN BY:		SIGNATURE AND DATE:
M. MOFOKENG		21 September 2023
REVIEWED BY:		SIGNATURE AND DATE:
M. TSAOI		21 September 2023
APPROVED BY:		SIGNATURE AND DATE:
N.T.SOTSETSI		21 September 2023

  

PROJECT NO	DATE
1121	21 September 2023

  

DRAWING NO

**NT05-22-1121-102-002**

  

SCALE	SHEET SIZE	REVISION
AS SHOWN	A0	F1