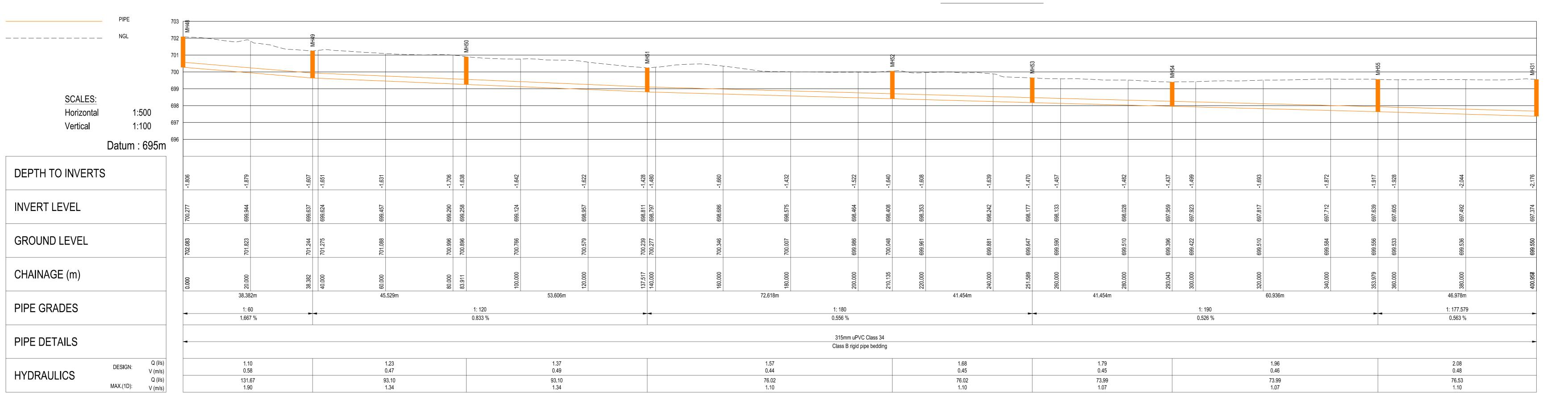
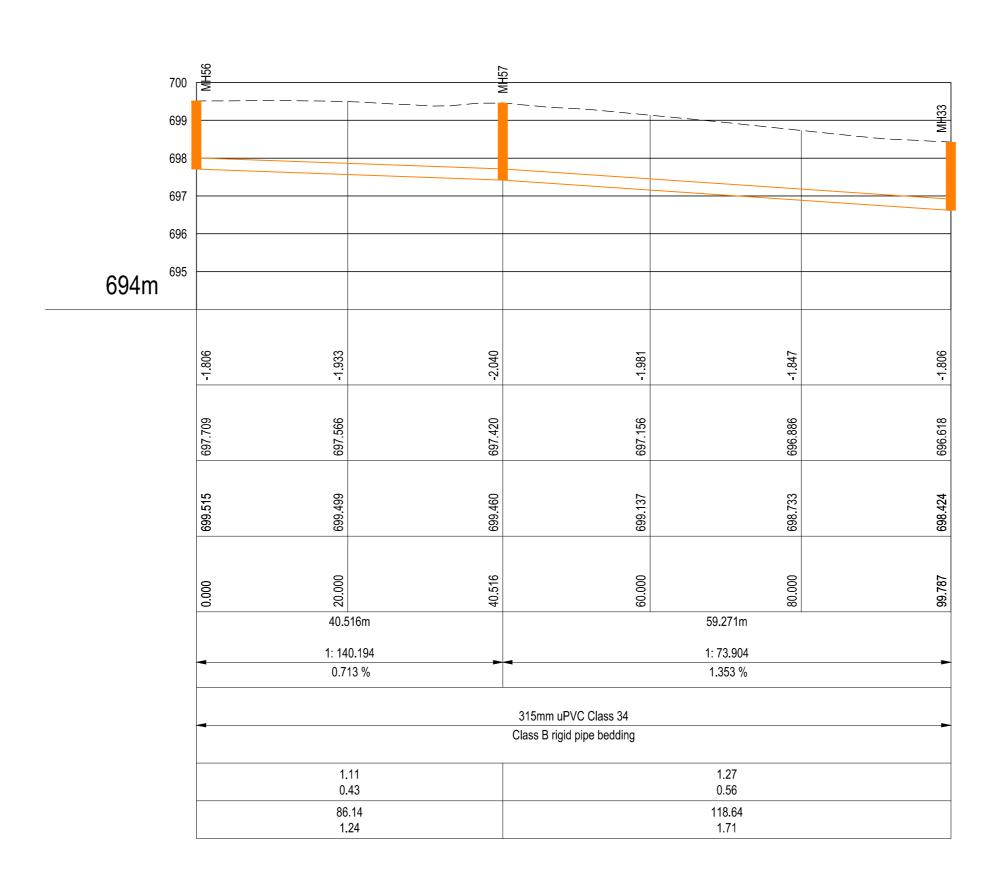


MH22 - MH32



MH48 - MH31



MH56 - MH33

NOTES AND SPECIFICATIONS

- GENERAL ENGINEERING NOTES 1. ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST
- RELEVANT SABS REQUIREMENTS. 2. ALL DIMENSIONS ARE IN MILLIMETRES.
- (UNLESS OTHERWISE SPECIFIED) 3. DO NOT SCALE FROM THESE DRAWINGS. 4. ALL DIMENSIONS MUST BE CHECK AND APPROVED
- THE CONSTRUCTION TO BE DONE IN ACCORDANCE
- WITH THE STANDARD SPECIFICATION FOR MUNICIPAL CIVIL ENGINEERING WORKS, THIRD
- EDITION 2005 AND THE STANDARD CTWW DETAIL
- THESE DRAWINGS MUST BE READ IN CONJUCTION WITH THE STANDARD DRAWINGS (IF APPLICABLE). THESE DRAWINGS MUST BE READ IN CONJUCTION
- 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. 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 COMPLIED WITH.

10. FINAL POSITION OF SERVICES TO BE DETERMINED

SEWER PIPE SEWER MANHOLE 1IN100 YEAR FLOOD LINE



- WARD BOUNDARY SEWER NOTES: . PRECAST CONCRETE MANHOLES AND SLABS ARE TO COMPLY WITH SABS 1294.(1993)
- COMPACTED WATER TIGHT JOINT OF APPROXIMATELY 5 mm. MANHOLE SHAFTS ARE TO BE PLACED OVER THE

A 2:1 CEMENT MORTAR GROUT TO FORM A

PIPE SECTIONS AND SLABS ARE TO BE BEDDED ON

- LARGEST LANDING ON THE DOWN STREAM SIDE. 4. 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 +
- 9. ALL PIPES AND FITTINGS TO BE uPVC HEAVY DUTY CLASS 34 AND COMPLY WITH SABS 791.
- 10. ALL CONNECTIONS TO BE CAPPED BEFORE BACKFILLINGAND TO BE WIRE MARKED.
- 11. ALL PIPES, FITTINGS TO SABS 559 (1993), AS AMENDED.
- 12. ALL CONCRETE TO BE 15MPa AS PER SABS 1200
- 13. THE MINIMUM GRADE OF THE SEWER CONNECTION IS TO BE 1 IN 60.
- 14. IN ALL CASES THE JUNCTION INTO THE MAIN SEWER IS TO BE ENCASED. 15. INVERT OF CONNECTION TO CONNECT TO SOFFIT
- OF SEWER 16. FOR SEWER LONGITUDINAL SECTIONS SEE DRG. No
- C04081/S2 AND S3 17. ALL WORK AND FREQUENCY OF TESTING TO COMPLY WITH SABS 1200 D
- 18. SETTING OUT DIMENSIONS AND LEVELS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.

SELECTED GRANULAR MATERIAL.

19. ANY DISCREPENCIES TO BE REPORTED TO THE 20. ALL INTERNAL SEWER PIPES TO BE 160Ø uPVC ON

REVISION INFORMATION No: DATE DESCRIPTION:

E1 2022-05-01 ISSUED FOR DETAIL DESIGN

E2 2023-06-02 RE-ISSUED FOR DETAIL DESIGN F1 2023-09-21 ISSUED FOR TENDER

CLIENT





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TELL: (011) 312 1569 PROJECT DESCRIPTION **BURGERSFORT EXT 54,**

EXT 58, EXT 71 & 72

CIVIL ENGINEERING

DRAWING DESCRIPTION

BURGERSFORT EXT 54, SEWER LONGITUDINAL SECTIONS

SIGNATURE AND DATE: DRAWN BY: M. MOFOKENG REVIEWED BY:

SIGNATURE AND DATE: M. TSOAI Mac Pr Eng.:20160198 21 SEPTEMBER 2023 APPROVED BY:

21 SEPTEMBER 2023

SIGNATURE AND DATE: N.TSOTETSI PrTECH.Eng:201470388 PROJECT NO

1121 21 September 2023 DRAWING NO NT05-22-1121-102-002

SHEET SIZE REVISION **A**0 F1 AS SHOWN