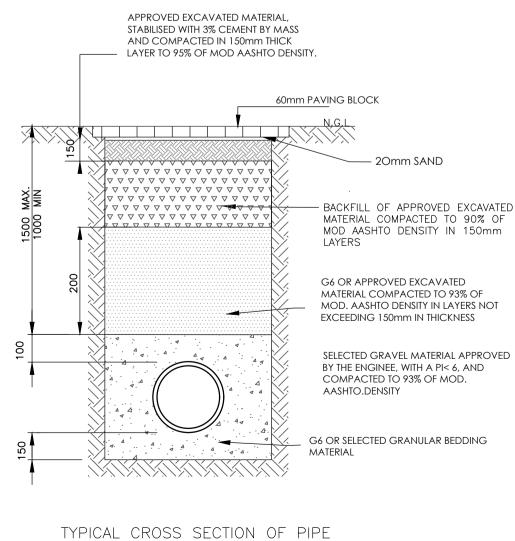


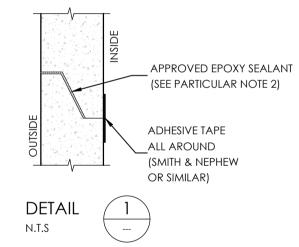
CHAMBER DETAILS TYPICAL

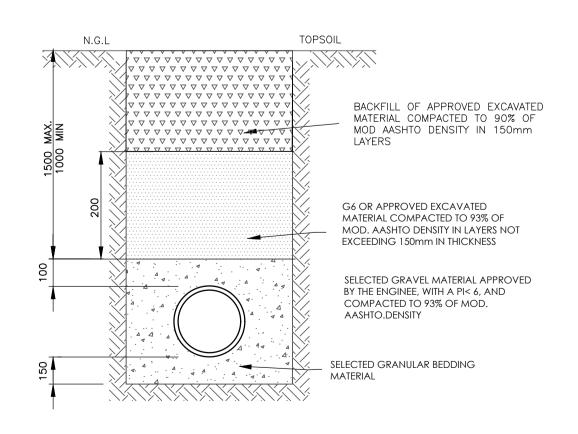


TRENCH THROUGH PAVEMENT

<u>PIPE BEDDING DETAILS</u>

MANHOLE COVERS (S.A.B.S. 558/1965)		
TYPE OF COVER		
CONCRETE FRAME AND COVER(HEAVY DUTY)		
NOTE : CONCRETE COVERS ARE USED ONLY WITH WRITTEN INSTRUCTION FROM THE ENGINEER.		
MANHOLE CHAMBER SIZES		
USAGE		
160 Ømm PIPES WITH STRAIGHT THROUGH MANHOI UP TO 1.25 m DEEP		
BENDS IN MANHOLES, LARGER PIPES & MANHOLES BETWEEN 1.25m & 3m DEEP		





TYPICAL CROSS SECTION OF PIPE

TRENCH THROUGH WALKWAYS

BEDDING AND BACKFILL		
MATERIAL	DESCRIPTION	COMPACTION
BACKFILL	SABS 1200 DB CL3.5	IN 150mm LAYERS 90% MOD AASHTO
SELECTED FILL (G6 MATERIAL)	PSLB CL2	IN 150mm LAYERS 93% MOD AASHTO
SELECTED BEDDING (G6 MATERIAL)	PSLB CL1	93% MOD AASHTO DENSITY

## NOTES AND SPECIFICATIONS

<u>GENERAL</u>

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 CHECKED AND APPROVED ON SITE.

5. ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR CIVIL ENGINEERING WORKS (SANS 1200)

6. FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE.

PARTICULAR

1. STEP IRONS TO BE COPOLYMER POLYPROPYLENE ENCAPSULED 12mm HIGH TENSILE STEEL BAR, CALCAMITE OR SIMILAR.

2. CONCRETE SECTIONS MUST BE FIXED WITH AN APPROVED EPOXY SEALER SUCH AS EPIDERMIX 344 OR PROSTRUCT 687.

RAIGHT THROUGH MANHOLES

NOTES AND SPECIFICATIONS **GENERAL ENGINEERING NOTES** 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 ON SITE. 5. 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. 3. 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. 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. 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 ON SITE. **REVISION INFORMATION** No: DATE DESCRIPTION: BY N.M F1 23/09/21 ISSUE FOR TENDER CLIENT HOUSING DEVELOPMENT AGENCY an agency of the Department of Human Settlements CONSULTANT **Mamce** AMCE 7 Pierre Street Bendor, Polokwane, Tel No. (015) 295 9914 PROJECT DESCRIPTION PROFESSIONAL ENGINEERING SERVICES FOR BURGERSFORT OUTFALL SEWER. DISCIPLINE CIVIL ENGINEERING DRAWING DESCRIPTION SEWER DETAILS DRAWN BY: SIGNATURE AND DATE: S Hlongwana C.Tech: 2021703701 21 SEPTEMBER 2023 CHECKED BY: SIGNATURE AND DATE: M. TSOAI Pr Eng.:20160198 21 SEPTEMBER 2023 SIGNATURE AND DATE: APPROVED BY: N. TSOTETSI Pr Tech Eng.:201470388 21 SEPTEMBER 2023 PROJECT NO .: DATE: 1121 2023-09-21

NT06/22/1121/101/003 SHEET SIZE SCALE REVISION AS SHOWN F1 A1

DRAWING NO .: