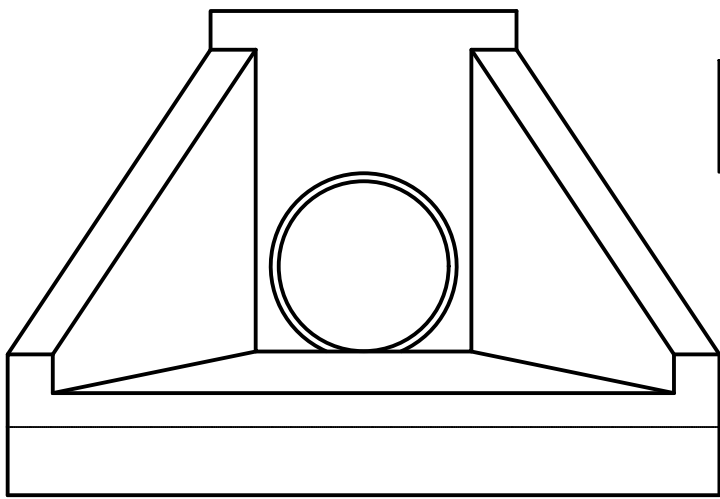
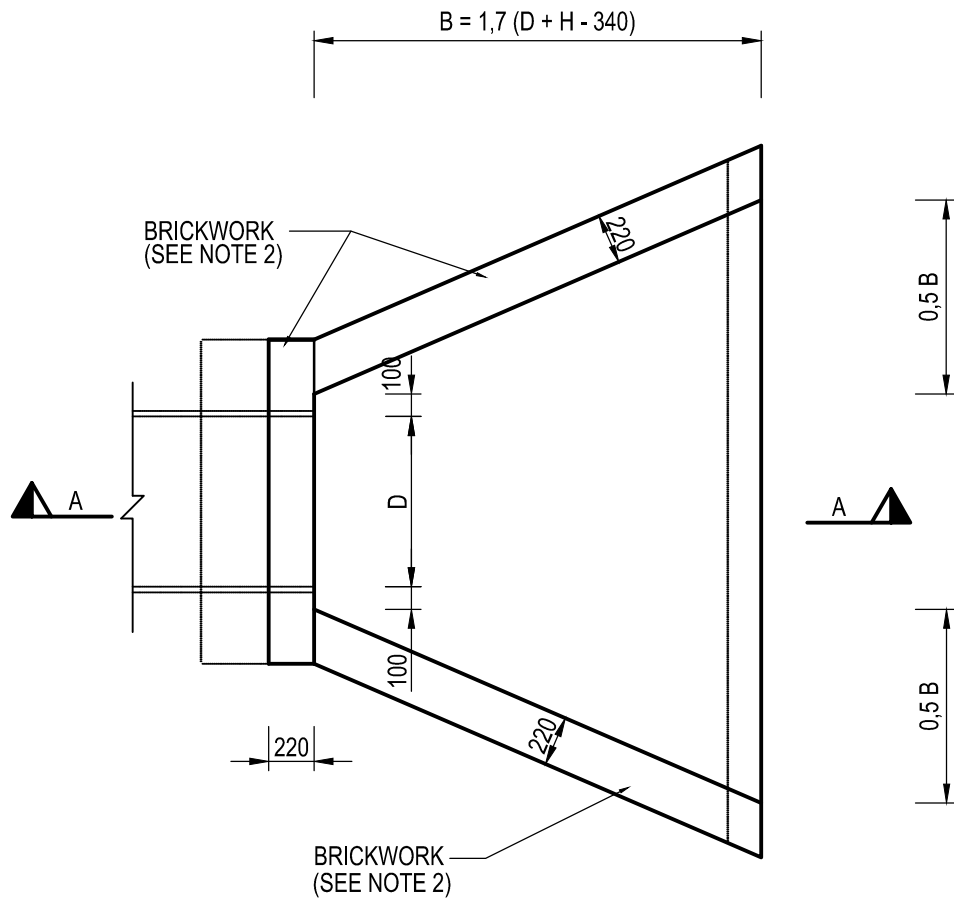


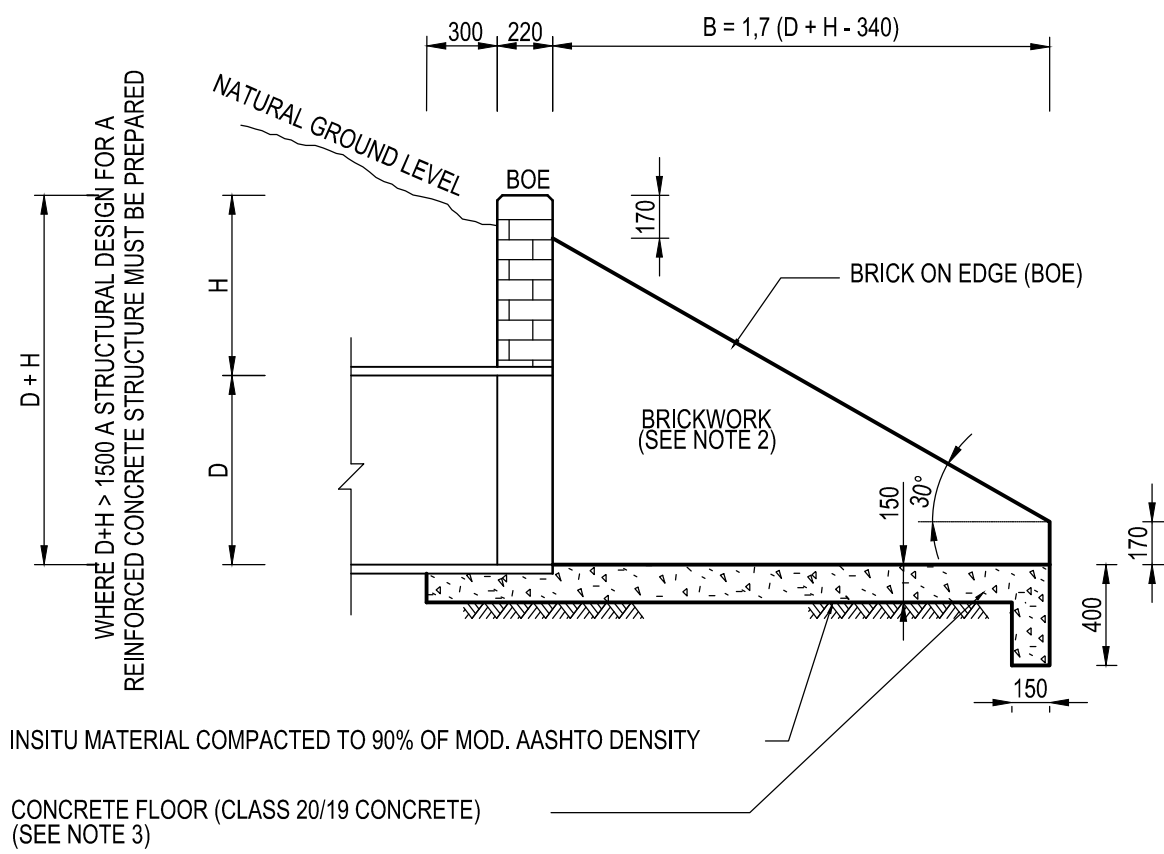


REFER TO NOTE 1 FOR APPLICATION OF TYPICAL STORMWATER OUTLET STRUCTURE

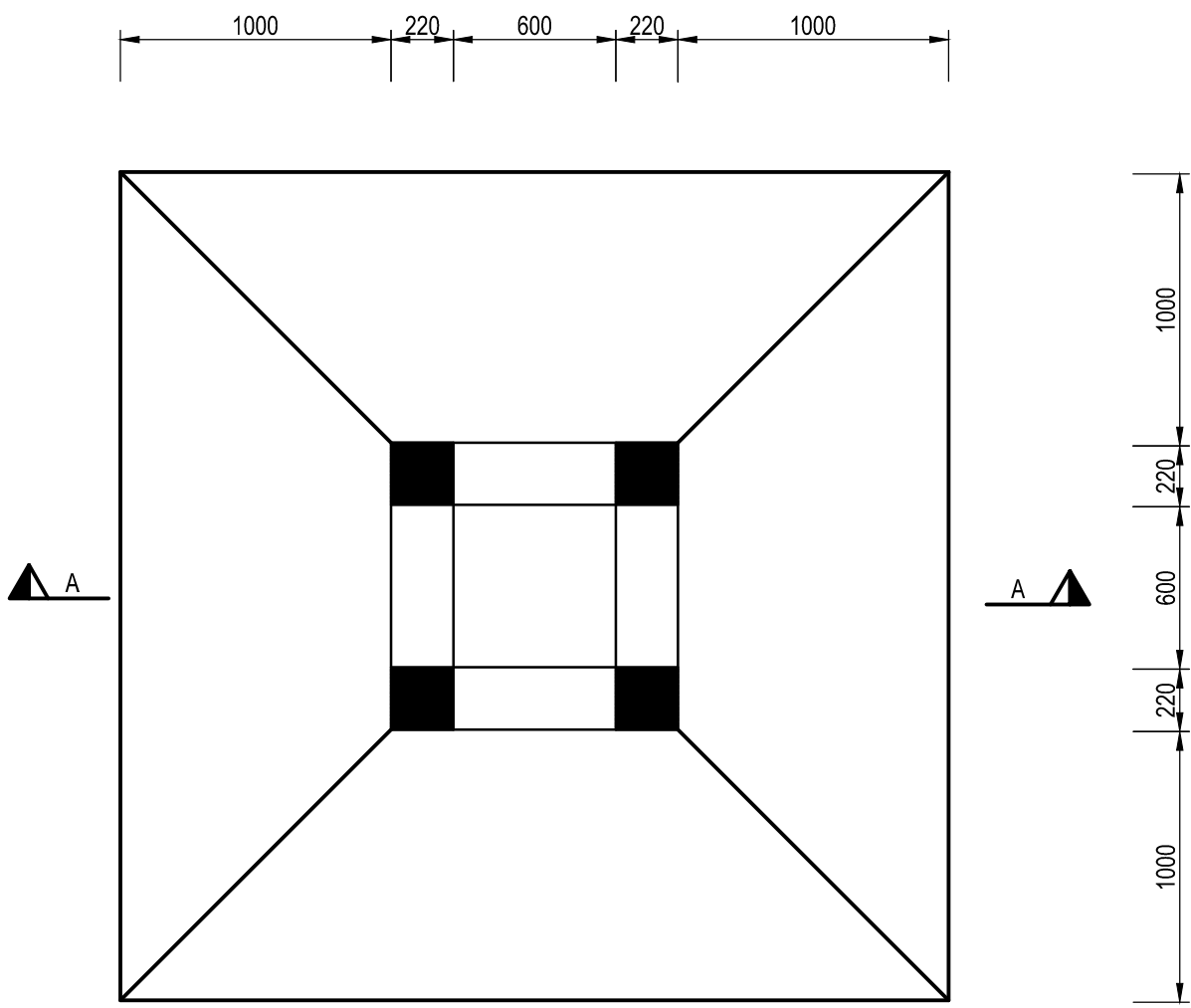
ELEVATION OF TYPICAL STORMWATER OUTLET STRUCTURE



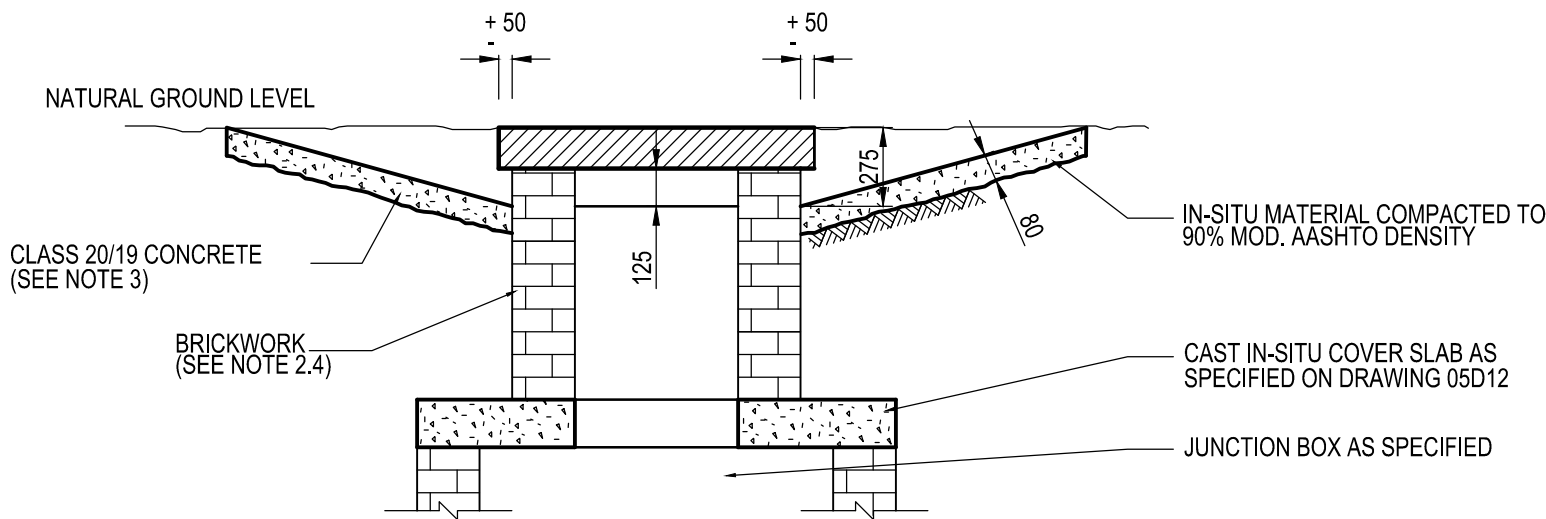
PLAN OF TYPICAL STORMWATER OUTLET STRUCTURE



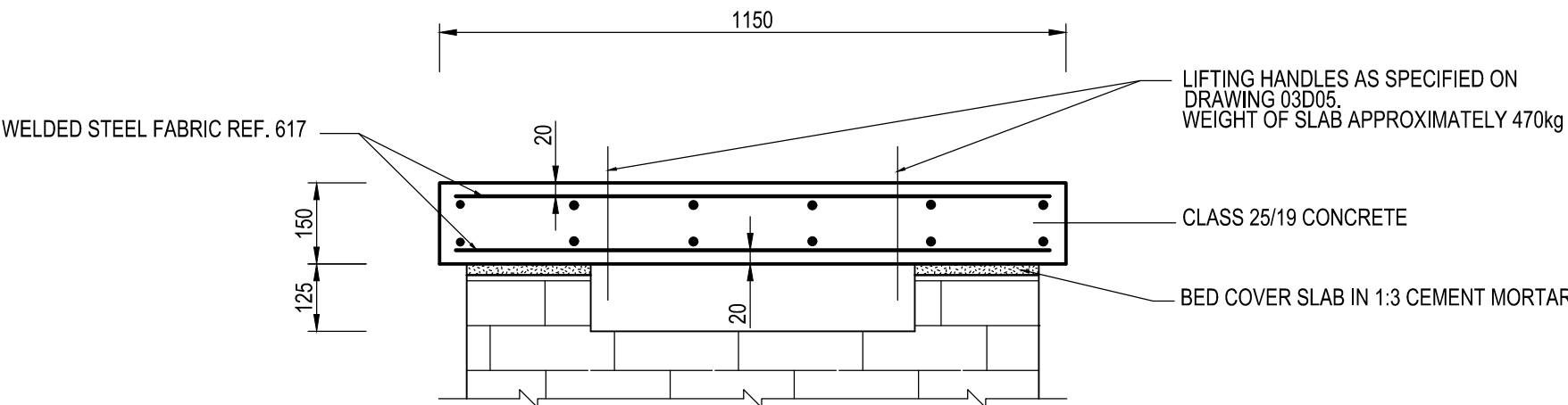
SECTION A-A



PLAN OF FIELD INLET (Without cover slab)



SECTION B-B



DETAIL OF PRECAST COVER SLAB

1. APPLICATION OF TYPICAL OUTLET STRUCTURE:
- 1.1. THE TYPICAL STORMWATER OUTLET STRUCTURE MAY ONLY BE USED WHERE
- SPECIFIED BY THE ENGINEER
 - THE FLOW VELOCITY AT THE OUTLET PERMITS THE USE
 - $D + H < 1500$
- 1.2. FOR HIGHER FLOW VELOCITIES THE STRUCTURE MUST BE MODIFIED OR ANOTHER TYPE OF STRUCTURE MUST BE USED, ACCORDING TO THE SPECIFICATIONS OF THE ENGINEER.
- 1.3. NO SCOURING OR EROSION MAY OCCUR DOWNSTREAM OF THE OUTLET STRUCTURE.
- 1.4. FOR LARGER STRUCTURES, A STRUCTURAL REINFORCED CONCRETE DESIGN IS REQUIRED.
2. MASONRY WALLS OF OUTLET STRUCTURE:
- 2.1 MASONRY WALLING SHALL CONFORM IN ALL RESPECTS TO THE REQUIREMENTS OF SANS 10164-1.
- 2.2 MORTAR SHALL BE CLASS II (COMPRESSIVE STRENGTH OF 7MPa AT 28 DAYS).
- 2.3 THE REQUIREMENTS SET OUT IN APPENDIX B OF SANS 10164-1 SHALL BE ADHERED TO UNLESS OTHERWISE APPROVED OR DIRECTED BY THE ENGINEER.
- 2.4 ALL BRICKS SHALL COMPLY WITH SANS 227 AND BE ENGINEERING UNITS OF CLASS FBS (FACE BRICK STANDARD) WITH A NOMINAL COMPRESSIVE STRENGTH OF 12 MPa.
3. CONCRETE:
- 3.1 ALL CONCRETE TO BE CURED FOR A MINIMUM PERIOD OF 7 DAYS.



MAQUASSI HILLS LOCAL MUNICIPALITY

PRIVATE BAG X3
WOLMARANSSTAD
2630

TEL: 018 596 1068
FAX: 018 596 1555

AMENDMENTS

REV	DATE	APPROVED	DESCRIPTION
A	SEPT 2026	G.A.M	ISSUE FOR TENDER

CONSULTANT DETAIL

DITLOU CONSULTING CC
OFFICE 19 EAST 202
SANLYNN OFFICE PARK
CNR ALKANTRAND &
LYNNWOOD ROAD
PO BOX 15684
LYNN EAST
0039
TEL: (012)548-0196
FAX: (012)548-0298
EMAIL: info@ditloucon.co.za

I, **G. MANYIKA** Prof Reg Nr. **2024301981**
HEREBY CERTIFY THAT THE SERVICES WILL BE INSTALLED
ACCORDING TO THE DRAWING

DATE SIGNATURE



DESIGNED

NAME: **L.MODISHA**..... Prof Reg No:.....

SIGNATURE:..... DATE:.....

DRAWN

NAME: **L.MODISHA**.....

SIGNATURE:..... DATE:.....

NAME: **G. MANYIKA**..... Prof Reg No: **2024301981**.....

SIGNATURE:..... DATE:.....

INFORMATION OFFICE CHECKED

NAME:.....

SIGNATURE:..... DATE:.....

DESIGN OFFICE APPROVAL

NAME:..... Prof Reg No:.....

SIGNATURE:..... DATE:.....

CONTRACT

No.
**8/1/2 N.J.
MBONANI**

PROJECT No.

1

PAPER SIZE

A1

SCALE

AS SHOWN

DATE:

SEPT 2026

LOCATION OF PROJECT

DESIGN AND SUPERVISION OF UPGRADING OF
GRAVEL ROAD TO BLOCK PAVING AT KALANGA
MOLALE, WILLIAM OLIFANT STREETS IN LEBALENG

DRAWING NAME:
STORMWATER OUTLET AND FIELD INLET DETAILS

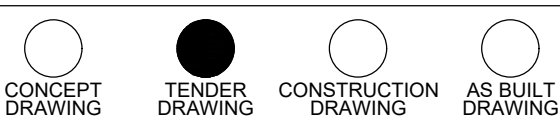
CONTRACT NUMBER:

8/1/2 N.J. MBONANI

DRAWING NUMBER

1145K - 2 - 05D06

PROJECT STATUS



PROJECT ENGINEER of MHLM:

NAME SIGNATURE

Prof Reg No. DATE

INSPECTOR OF WORKS of MHLM:

NAME SIGNATURE

DATE