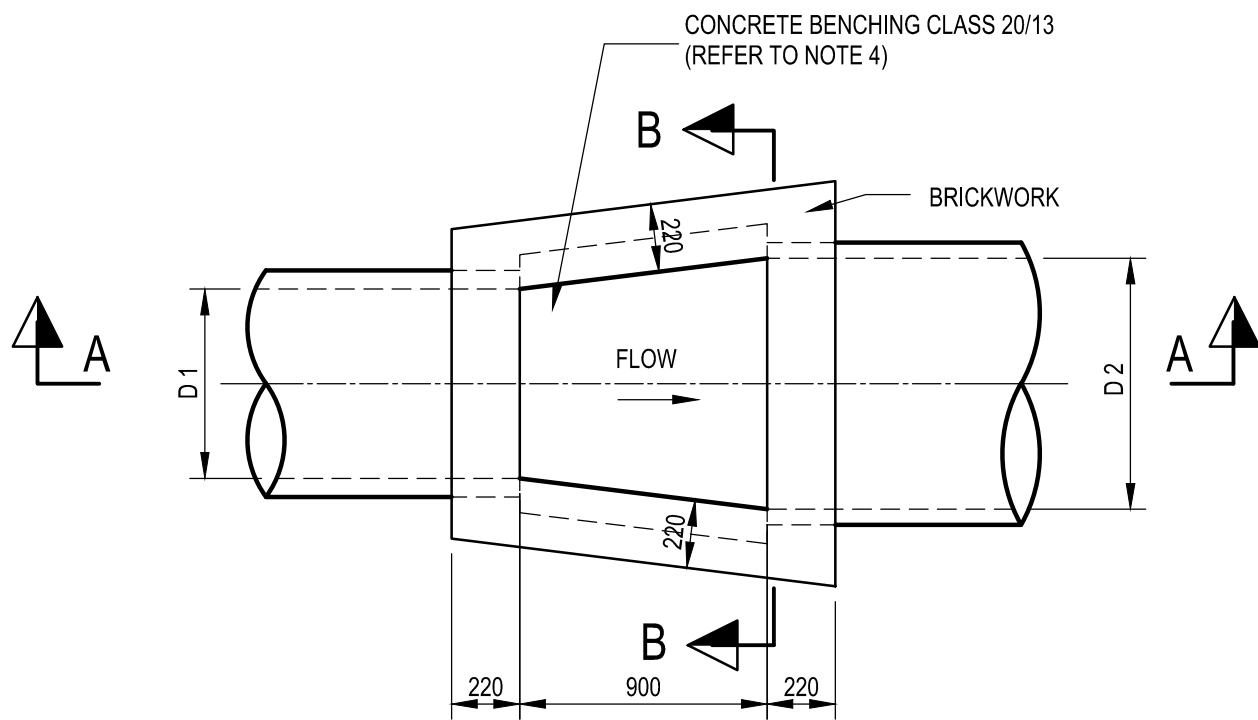
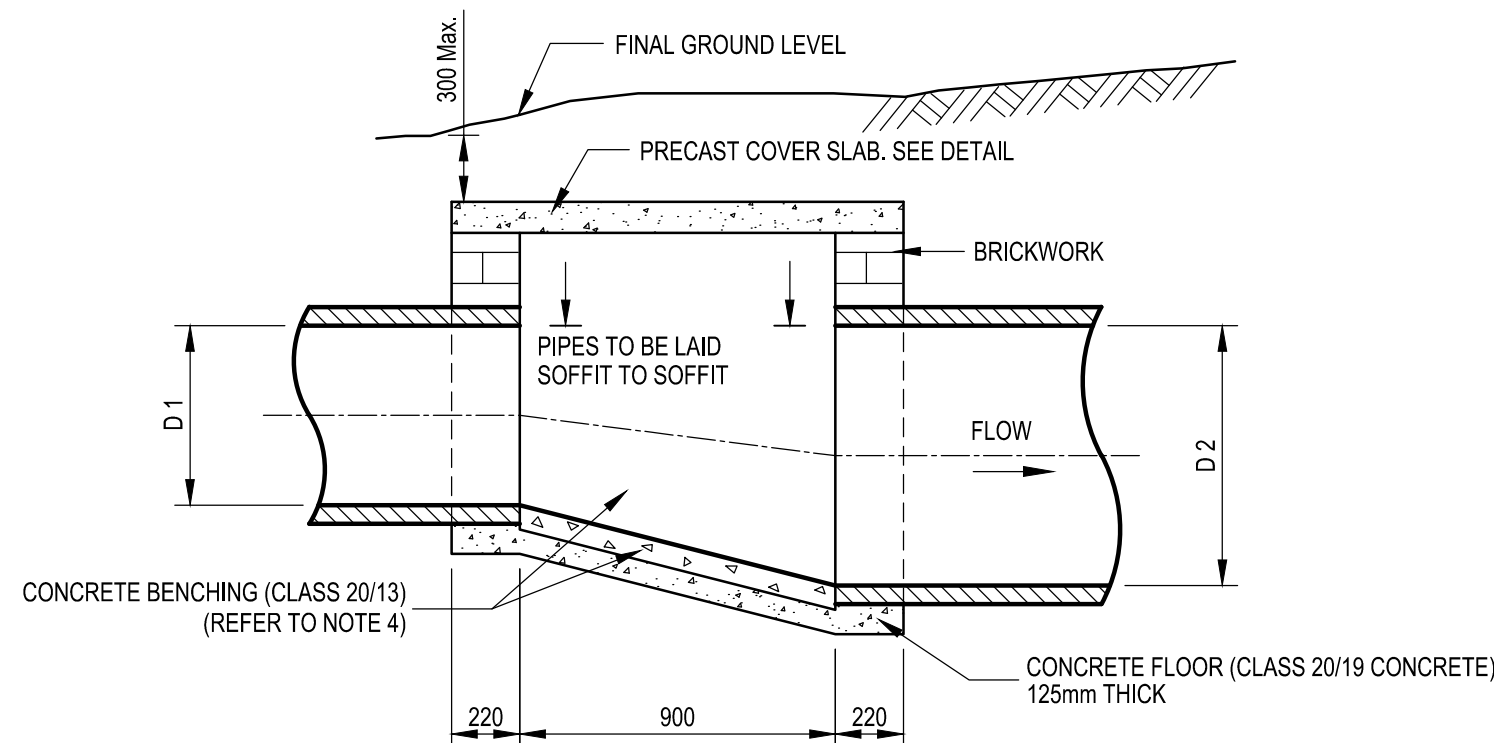


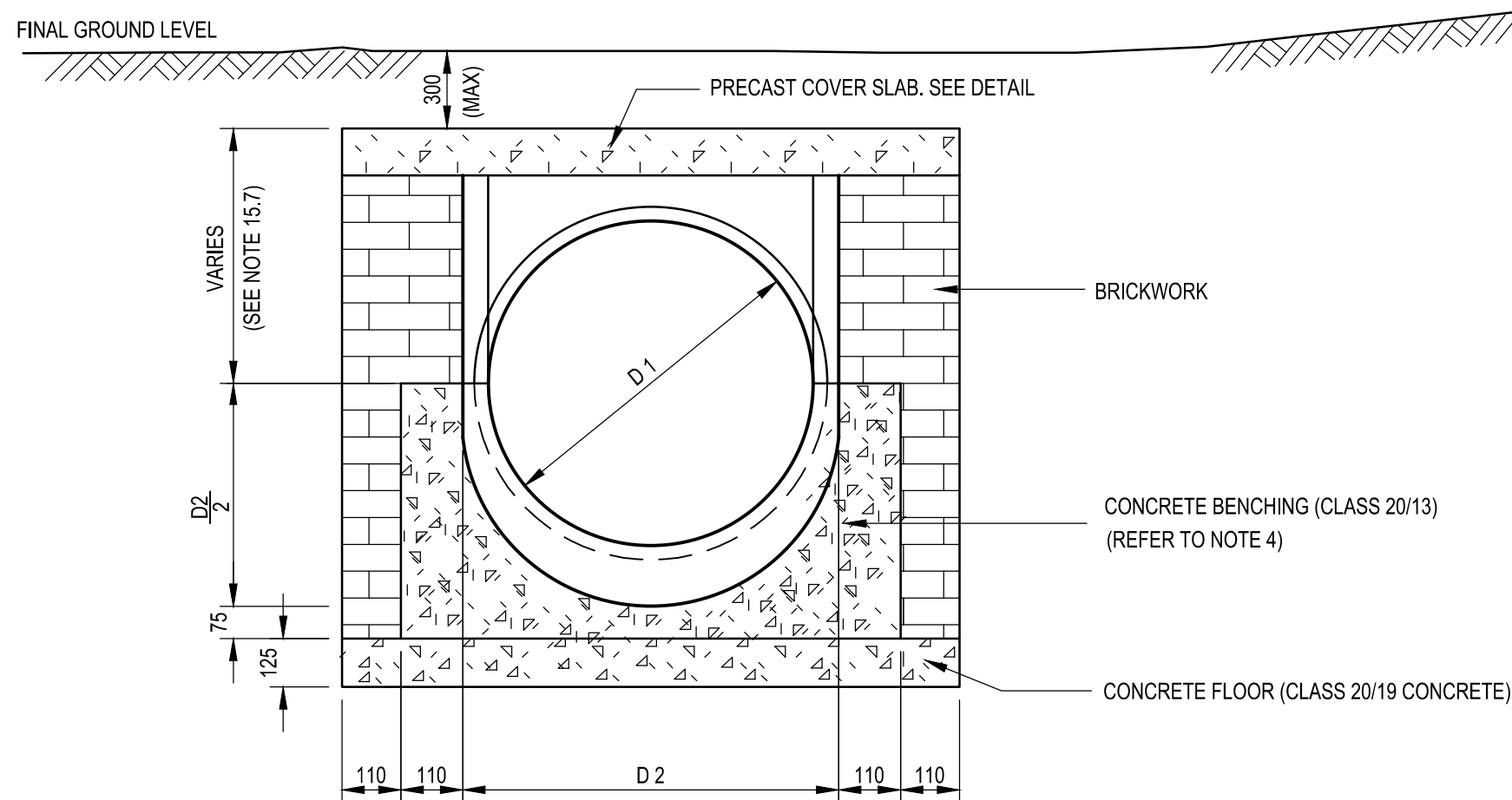


PLAN OF TYPE D JUNCTION BOX (WITHOUT COVER SLAB)

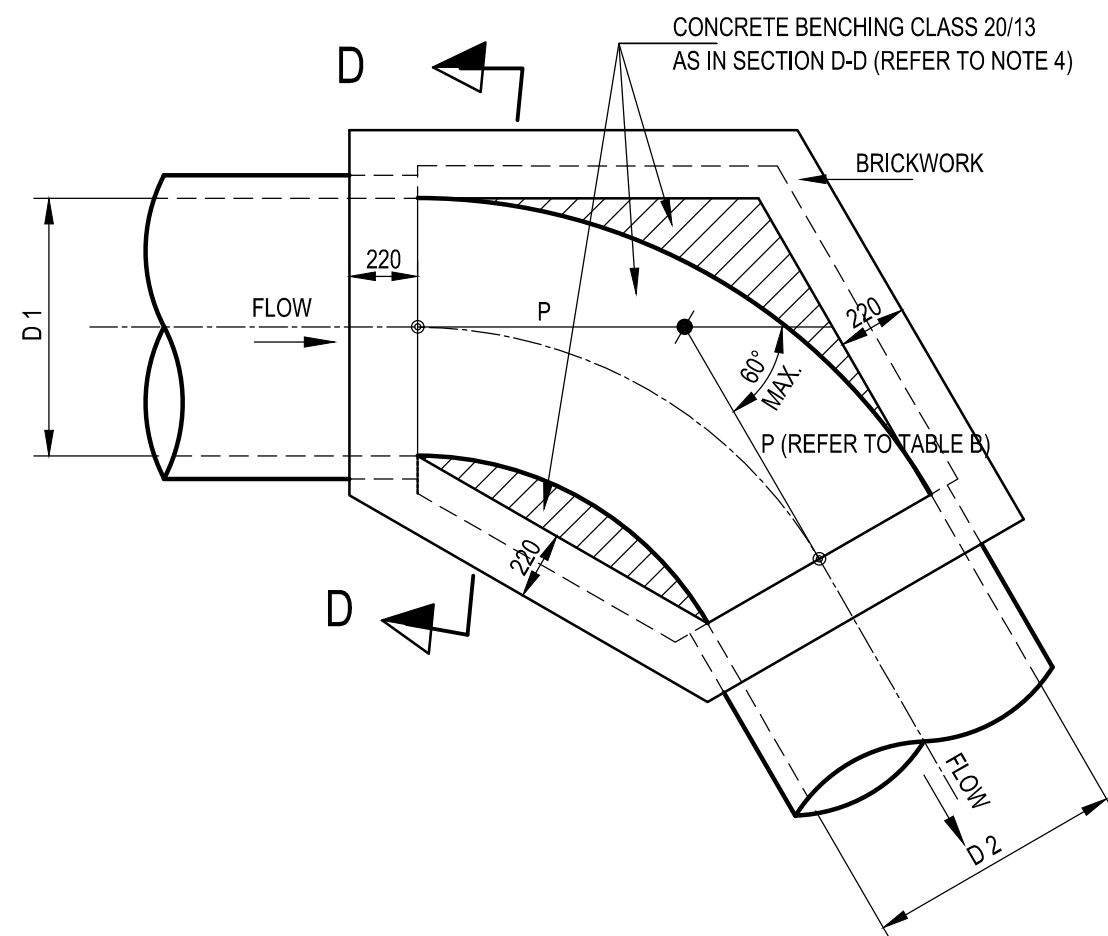
D 1 < D 2



SECTION A-A

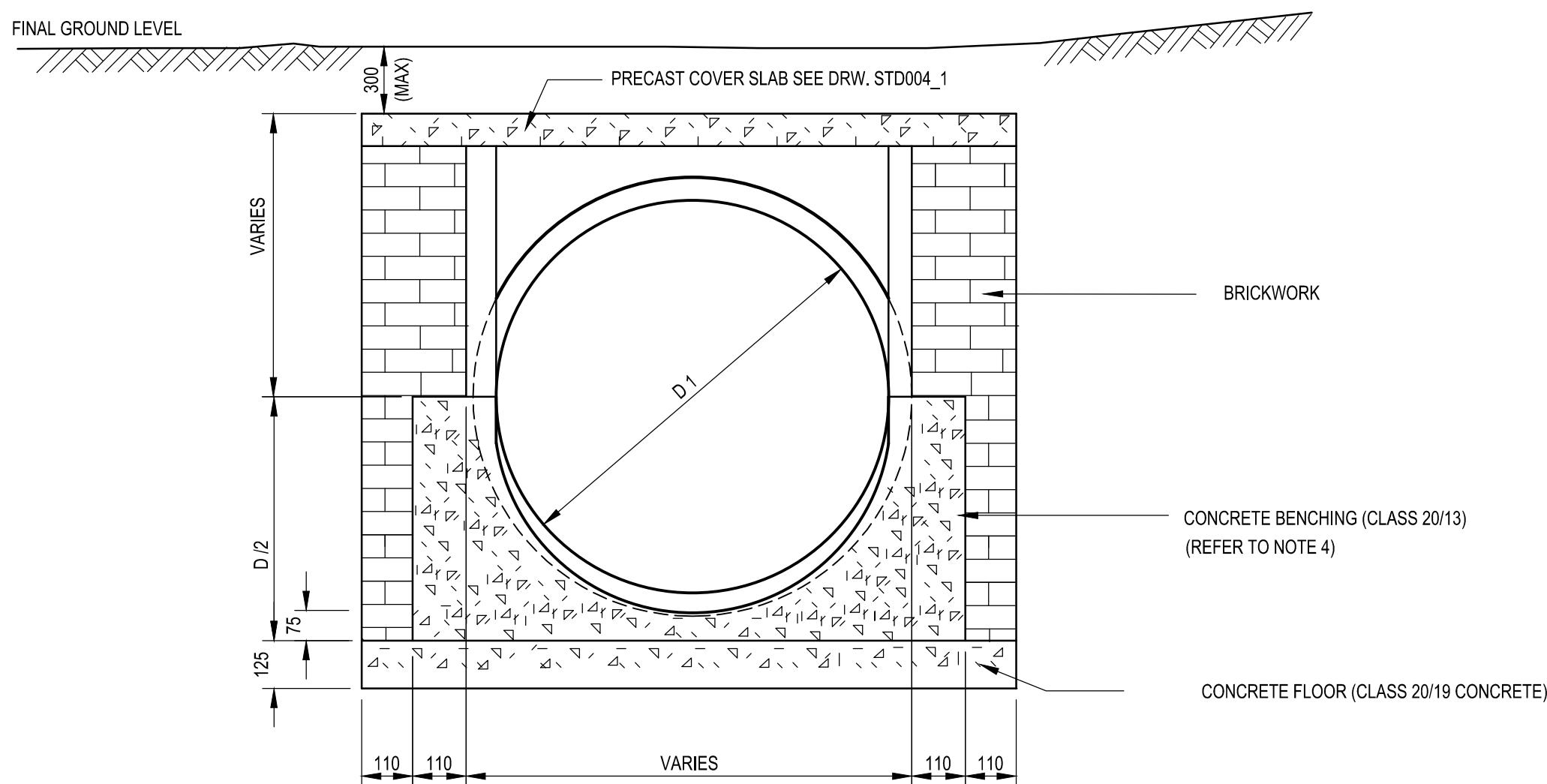


SECTION B-B



PLAN OF TYPE D JUNCTION BOX (WITHOUT COVER SLAB)

D 1= D 2 OR D 1 < D 2



SECTION D-D

1. ALL STORMWATER PIPES TO BE LAID SOFFIT TO SOFFIT.
2. MINIMUM PIPE DIAMETER OF ALL PIPES IS 450mm.
3. MAXIMUM ANGLE BETWEEN ADJOINING PIPES IS 60°.
4. WHERE A PIPE WALL IS AT LEAST 75MM FROM THE NEAREST JUNCTION BOX WALL, THE CONCRETE BENCHING CAN BE STARTED ADJACENT TO THE DOUBLE BRICK WALL.
5. WHERE THE TOTAL DEPTH OF THE JUNCTION BOX (INVERT LEVEL TO FINISHED GROUND LEVEL) EXCEEDS 2.0M A STRUCTURAL DESIGN MUST BE SUBMITTED BY A PROFESSIONAL ENGINEER.
6. ALL BRICKS SHALL COMPLY WITH SANS 227 AND SHALL BE ENGINEERING UNITS OF CLASS FBS (FACE BRICK STANDARD) WITH A NOMINAL COMPRESSIVE STRENGTH OF 12MPa.
7. ALSO REFER TO SANS 1200

TABLE B

D 2 DIAMETER OF DOWN STREAM PIPE	DISTANCE P
450	700
525	700
600	750
675	780
750	800
825	825
900	850
1050	870
1200	925
1350	1000
1500	1100



MAQUASSI HILLS LOCAL
MUNICIPALITY

PRIVATE BAG X3 TEL: 018 596 1068
WOLMARANSSTAD FAX: 018 596 1555
2630

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
HEREBY CERTIFY THAT THE SERVICES WILL BE INSTALLED
ACCORDING TO THE DRAWING

DATE SIGNATURE

REVISION

DESIGNED

NAME: L.MODISHA... Prof Reg No:.....
SIGNATURE:..... DATE:.....

DRAWN

NAME: L.MODISHA...
SIGNATURE:..... DATE:.....

CHECKED

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.

SHEET 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:

JUNCTION BOX DETAILS - SHEET 1 OF 2

CONTRACT NUMBER:

8/1/2 N.J. MBONANI

DRAWING NUMBER

1145K - 2 - 05D03

PROJECT STATUS

☐ CONCEPT
DRAWING ☒ TENDER
DRAWING ☐ CONSTRUCTION
DRAWING ☐ AS BUILT
DRAWING

PROJECT ENGINEER of MHLM:

NAME SIGNATURE

Prof Reg No. DATE

INSPECTOR OF WORKS of MHLM:

NAME SIGNATURE

NAME DATE