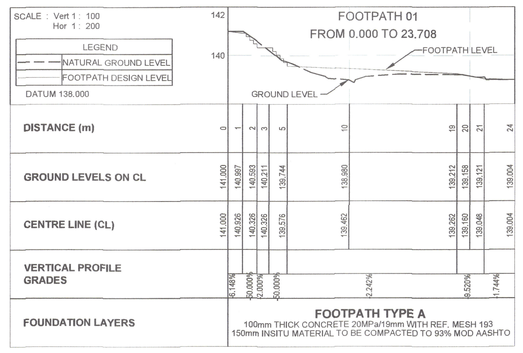

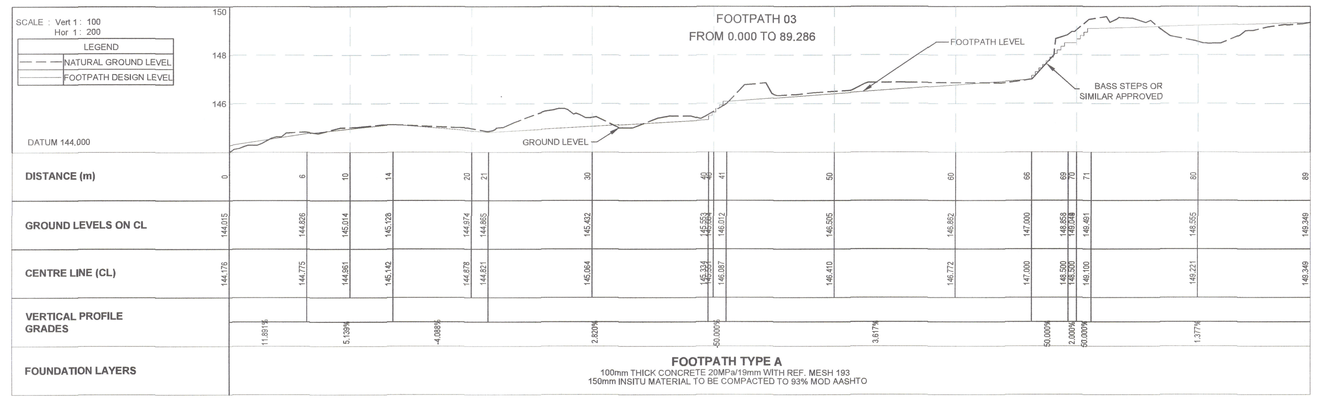

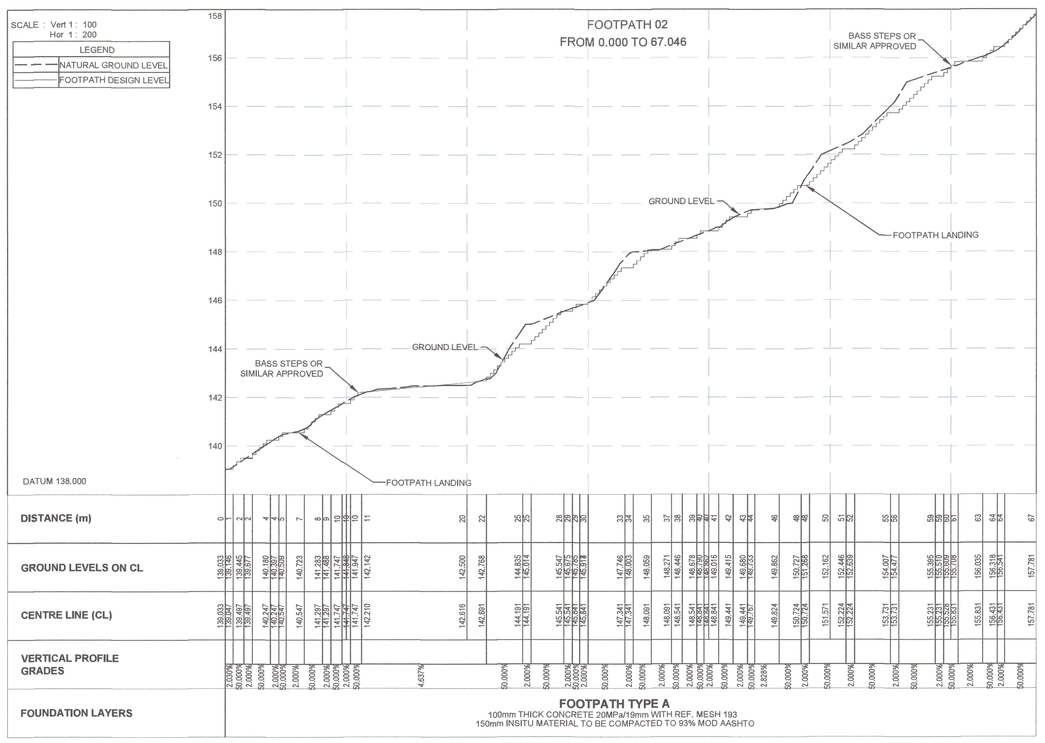

1. GENERAL NOTES

1.1 NO SCALING-OFF IS PERMITTED ONLY WRITTEN DIMENSIONS MAY BE DEEMED CORRECT. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE STATED.

1.2 ALL WORK TO COMPLY WITH THE LATEST EDITION OF THE SANS 1200 SPECIFICATIONS AND ETHEKWINI SPECIFICATIONS.

1.3 ALL CUT SLOPES TO BE SHAPED TO 1:1.5 AND FILL SLOPES TO 1:2 UNLESS OTHERWISE DIRECTED BY THE ENGINEER ON SITE.

1.4 FILL MATERIAL TO BE COMPACTED IN LAYERS OF MAX. 150mm TO 93% MOD AASHTO. STEPS TO BE FORMED PRIOR TO FILLING . HEIGHT OF STEPS TO BE APPROXIMATELY 300mm LIFTS.

1.5 COMPACTION TESTING TO BE DONE AS FOLLOWS:
(a) 1 TEST PER LAYER FOR EACH 25m LENGTH OF FOOTPATH

1.6 BOLLARDS TO BE CONSTRUCTED ONLY WHEN INSTRUCTED BY THE ENGINEER.

1.7 WHERE THE COVER LEVELS OF THE EXISTING MANHOLES LOCATED IN THE ALIGNMENT OF NEW FOOTPATHS IS HIGHER THAN THE FINISHED DESIGN LEVEL OF THE FOOTPATH, MANHOLE RINGS ARE TO BE CUT SUCH THAT THE NEW MANHOLE COVER LEVEL IS CONSISTENT WITH THE LEVEL AND SLOPE OF THE FOOTPATH. EXISTING MANHOLE LIGHT DUTY COVERS AND FRAME ARE TO BE REPLACED WITH HEAVY DUTY COVER AND FRAME. EXPOSED REINFORCING MUST BE PAINTED WITH SIKA TOP AMATEC 110 EC OR SIMILAR APPROVED

1.8 FOR ALL DETAILS REFER TO STANDARD DRAWING 74527 (SHEET 1 TO 3).

1.9 NEW DRY STACK RETAINING WALL POSITIONS AND HEIGHT WILL BE FINALISED ON SITE.

2. CONCRETE

2.1 CONCRETE WORKS TO COMPLY WITH SANS1200 SECTION G AND SANS 0100 PART 2 AND ETHEKWINI SPECIFICATIONS PART C.

2.2 THE FREQUENCY OF CONCRETE WORKS TESTING MUST BE DONE AS FOLLOWS :

(a) AT LEAST ONE SET(3 NO. CURES) OF SAMPLES FOR EVERY 50m³ OF CONCRETE PLACED/EVERY BATCH.
(b) AT LEAST ONE SET OF SAMPLES SHALL BE TAKEN FROM EACH DAY CASTING
(c) TESTING MUST BE BE CARRIED OUT IN ACCORDANCE TO SANS METHOD 861 AND TESTED BY AN APPROVED LABORATORY RESULTS TO BE BE SUBMITTED TO THE ENGINEER.
(d) ON THE BASIS IF IMPORTANCE, WHERE DIRECTED BY THE ENGINEER, A SET OF SAMPLES MAY BE REQUESTED.
(e) UNLESS OTHERWISE ADVISED, NO SAMPLE SHALL BE TAKEN OF ANY CONCRETE UNTIL AT LEAST 1m³ OF SUCH CONCRETE HAS BEEN MIXED AND DISCHARGED FOR THE FOOTPATHS

2.3 CURING AND PROTECTION SHALL BE ACCORDING TO SANS 0100 B-1580, 5.8.8

2.4 ALL CONCRETE TO BE PROPERLY CURED BY KEEPING SURFACES CONTINUOUSLY DAMP, AT LEAST 7 DAYS AFTER CASTING.

2.5 CONCRETE POURING WILL ONLY BE DONE UPON THE APPROVAL OF THE SHUTTERING AND FIXING OF THE REINFORCEMENT FOR THE FOOTPATHS/DRAINS

2.6 MIN.CONCRETE CUBE STRENGTH AT 28 DAYS:

FOOTPATH	20 MPa
DRAINS	20 MPa
KERB BASE AND HAUNCH	20 MPa
STEP CONCRETE BASE	15 MPa
RETAINING WALL BASE	25 MPa/pa

2.7 HANDRAIL TO BE INSTALLED IN ALL THE STAIRS

2.8 RETAINING WALL LEVELS TO BE CONFIRMED ON SITE

2.9 STORMWATER BETWEEN MH4 AND MH5 DETAIL TO BE INSTRUCTED BY ENGINEER ON SITE

eTHEKWINI MUNICIPALITY

ENGINEERING UNIT
DEVELOPMENT ENGINEERING

PLAN DESCRIPTION	DWG. NO.	SHEET NO.
CONTINUED FROM		
CONTINUED ON		
CROSS SECTIONS		
TYPICAL CROSS SECTION		
SURVEY LAYOUT		

REDUCED PLAN USE SCALE BELOW

0 10 20 30 40 50 60 70

70mm ON ORIGINAL PLAN

Revision	Date	Description

NOTE:No construction work to commence until land and servitude acquisitions have been completed

Acquisitions completed

DATE Engineer

UNDERGROUND SERVICES CHECKED

SERVICE	DATE	SIGNATURE
S.W.DRAINS		
SEWERS		
WATER MAINS		
G.P.O.CABLES		
ELECTRIC CABLES		
S.A.R. CABLES		
E.S.C. CABLES		
OIL PIPE LINE		

NOTE:
Only underground services affected by new construction work are shown.Care must be taken during excavations for road foundations,trenches etc...to avoid damage to underground services such as sewers, drains, cables, water mains and connections. Wherever possible these must be located before work proceeds.

Contract No. 3V- 31679

Project Title

PROVISION OF INCREMENTAL SERVICES TO eMLAZA L-L2 SETTLEMENT, WARD 78

Drawing Title

FOOTPATH LONGSECTIONS

Scales	Reference
AS SHOWN	

Checked C.P	Date 22/05/2025	Signature
Designed C.S	22/05/2025	
Drawn by S.N	22/05/2025	

Senior Manager: Development Engineering (South)

Deputy Head: Development Engineering

FOR TENDER PURPOSES ONLY

Date ..... Sign. .....

Drawing No 49942

Sheet 2 of 2 Sheets