

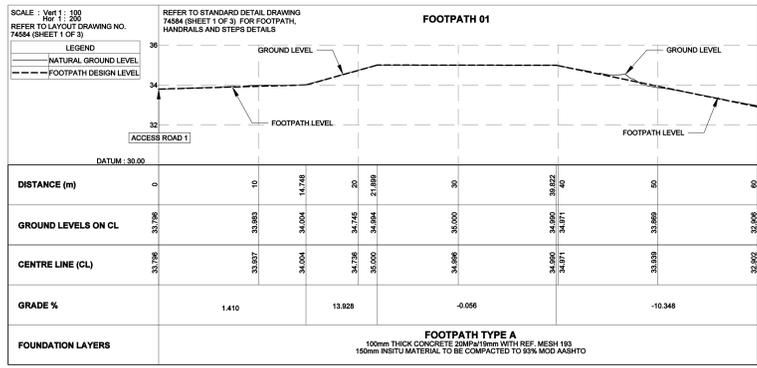
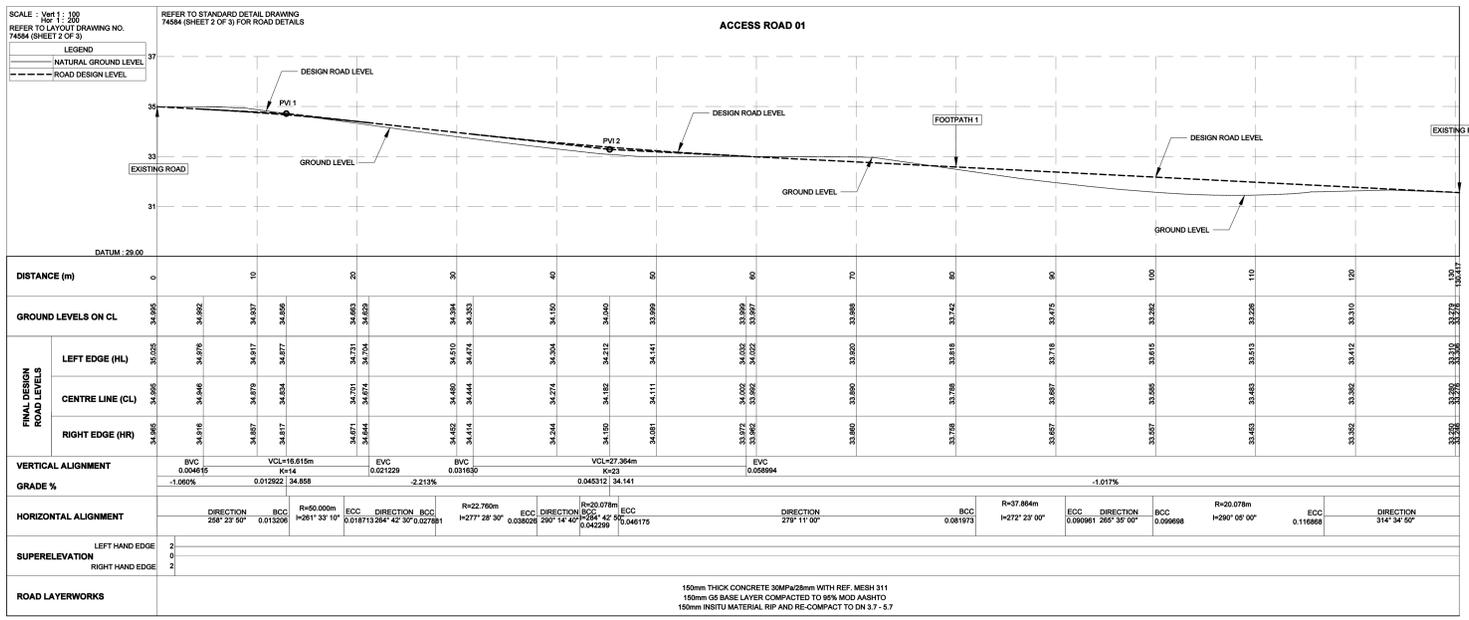
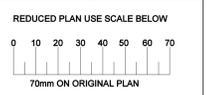


- 1. GENERAL NOTES**
- NO SCALING-OFF IS PERMITTED. ONLY WRITTEN DIMENSIONS MAY BE DEEMED CORRECT. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE STATED.
 - ALL WORK TO COMPLY WITH THE LATEST EDITION OF THE SANS 1200 SPECIFICATIONS AND ETHEKWIN SPECIFICATIONS.
 - ALL CUT SLOPES TO BE SHAPED TO 1:1.5 AND FILL SLOPES TO 1:2 UNLESS OTHERWISE DIRECTED BY THE ENGINEER ON SITE.
 - FILL MATERIAL TO BE COMPACTED IN LAYERS OF MAX. 150mm TO 80% MOD. AASHITO. STEPS TO BE FORMED PRIOR TO FILLING. HEIGHT OF STEPS TO BE APPROXIMATELY 300mm LIFTS.
 - COMPACTION TESTING TO BE DONE AS FOLLOWS:
 - 1 TEST PER LAYER FOR EACH 50m LENGTH OF FOOTPATH
 - SCALLARDS TO BE CONSTRUCTED ONLY WHEN INSTRUCTED BY THE ENGINEER.
 - 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 SIKATOP AMATEC 110 EC OR SIMILAR APPROVED.
 - FOR ALL DETAILS REFER TO STANDARD DRAWING 74584 (SHEET 1 TO 3).
- 2. CONCRETE**
- CONCRETE WORKS TO COMPLY WITH SANS1200, SECTION G AND SANS 910 PART 2 AND ETHEKWIN SPECIFICATIONS PART C.
 - THE FREQUENCY OF CONCRETE WORKS TESTING MUST BE DONE AS FOLLOWS:
 - AT LEAST ONE SET (3 NO. CUBES) OF SAMPLES FOR EVERY 50m³ OF CONCRETE PLACED/EVERY BATCH.
 - AT LEAST ONE SET OF SAMPLES SHALL BE TAKEN FROM EACH DAY CASTING.
 - TESTING MUST BE CARRIED OUT IN ACCORDANCE TO SANS METHOD 861 AND TESTED BY AN APPROVED LABORATORY. RESULTS TO BE SUBMITTED TO THE ENGINEER.
 - ON THE BASIS OF IMPORTANCE, WHERE DIRECTED BY THE ENGINEER, A SET OF SAMPLES MAY BE REQUESTED.
 - 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.
 - CURING AND PROTECTION SHALL BE ACCORDING TO SANS 910 5:180, 5.8.8.
 - ALL CONCRETE TO BE PROPERLY CURED BY KEEPING SURFACES CONTINUOUSLY DAMP, AT LEAST 7 DAYS AFTER CASTING.
 - CONCRETE POURING WILL ONLY BE DONE UPON THE APPROVAL OF THE SHUTTERING AND FIXING OF THE REINFORCEMENT FOR THE FOOTPATHS/BERMS.
 - MIN CONCRETE CURE STRENGTH AT 28 DAYS:

FOOTPATH	20 MPa
GRANS	20 MPa
KERB BASE AND HAUNCH	20 MPa
STEP CONCRETE BASE	15 MPa
RETAINING WALL BASE	25 MPa



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



DESIGN CONSULTANT

bvi ENGINEERING CONSULTANTS
CESA CIVIL ENGINEERING CONSULTANTS

BVI Consulting Engineers KwaZulu-Natal PTY (Ltd)
 100000719
 031 261 5352

TO	DATE	ISSUED FOR
C	23-01-2025	ISSUED FOR DETAILED DESIGN

Revision	Date	Description
NOTE: No construction work to commence until land and servitude acquisitions have been completed.		
Acquisitions completed		
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		

Contract No. **3V-31307**

Project Title
PROVISION OF INCREMENTAL SERVICES TO EMLAZI UX-2 (TROPICA) SETTLEMENT, WARD 86

Drawing Title
ACCESS ROAD 1 AND FOOTPATH 1 LONGSECTIONS

Checked	Date	Signature
P.T	04/03/2025	
Designed	A.D 04/03/2025	
Drawn by	A.D 04/03/2025	

Senior Manager: Development Engineering (South)

Deputy Head: Development Engineering

Head: Engineering

Drawing No **49410** Sheet **2** of **2** Sheets