





SCALE: Vert 1: 100 Hor 1: 200 REFER TO LAYOUT DRAWING D34729.00C-BB868-110-01-0		REFER TO STANDARD DETAIL D34729.00C-BB868-104-01-0 FOR FOOTPATH AND STEP DETAILS			F00	FOOTPATH 4 (CH: 0 - 39.604m)					
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			GROUND LE	EVEL	AD TOWN	A		-FOOTPATH LE	EVEL		
	135							The The The	7774		
DATUM 13	30,000								Transfer of the second		
DISTANCE (m)	0 8	007.	12.301		18.602	21.902	28.353	33.153	39.604		
GROUND LEVELS ON CL	141.867	141.322			136.903			133.611	131.816		
CENTRE LINE (CL)	141.867	4 	138.154		137.591	135.791	135.229	132.679	131.816		
GRADE %	5	-11.984	50	-8.935		50	-8.712	50	-13.378		
FOUNDATION LAYERS			FOOTPATH TYPE A 100mm THICK CONCRETE 20MPa/19mm WITH REF. MESH 193 150mm INSITU MATERIAL TO BE COMPACTED TO 93% MOD AASHTO								

1. GENERAL NOTES

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

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

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 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 O SIMILAR APPROVED 1.8 THESE DESIGNS OR DRAWINGS ARE NOT TO BE SOLD AND ARE SUBJECT TO RECALL. REPRODUCTION OR COPYING RIGHTS ARE RESERVED SOLELY BY BVI CONSULTING ENGINEERS UNDER COPYRIGHT LAW. THESE DRAWINGS HAVE BEEN ISSUED AND RECEIVED ON THE FOLLOWING CONDITIONS: (a) THAT THEY ARE NOT USED IN ANY WAY AGAINST THE INTERES: AND BENEFITS OF BVI
(b) THAT THESE DRAWINGS AND ALL COPIES WILL BE RETURNED TO BVI IMMEDIATELY ON DEMAND.

(c) THAT ALL INFORMATION DISCLOSED BY THESE DRAWINGS

2. CONCRETE

2.1 CONCRETE WORKS TO COMPLY WITH SANS1200 SECTION G AND SANS 0100 PART 2

SHALL BE DEEMED TO BE CONFIDENTIAL.

2.2 THE FREQUENCY OF CONCRETE WORKS TESTING MUST BE DONE AS FOLLOWS: (a) AT LEAST ONE SET(3 NO. CUBES) OF SAMPLES FOR EVERY 50m³ OF CONCRETE PLACED. (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

2.4 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

2.3 CURING AND PROTECTION SHALL BE ACCORDING TO

2.6 MIN.CONCRETE CUBE STRENGTH AT 28 DAYS: 20 MPa 20 MPa FOOTPATH KERB BASE AND HAUNCH 20 MPa STEP CONCRETE BASE 15 MPa RETAINING WALL BASE 20 MPa

SANS 0100 II-1980, 5.8.8



RE			
	PLAN DESCRIPTION	DWG. NO.	SHEE NO.
OR	CONTINUED FROM		
	CONTINUED ON		
	CROSS SECTIONS		
STS	TYPICAL CROSS SECTION		
	SURVEY LAYOUT		

REDUCED PLAN USE SCALE BELOW

0	10	20	3	0	4	0	50	-6	00	
	70ı	mm O	N O	RIG	SIN	AL F	PLAN	1		

ENGINEERING PROCUREMENT MANAGEMENT BVi Consulting Engineers KwaZulu-Natal PTY (Ltd) Registration no. 1998/000203/07

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Approved Reg. No. Date

Description

TO 24-05-23 ISSUED FOR TENDER APPROVAL 0 08.05.2023 ISSUED FOR CONSTRUCTION

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

Acquisitions completed NORTH POINT

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:		

UNDERGROUND SERVICES CHECKED

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.

3V-24835 Contract No.

PROVISION OF INCREMENTAL SERVICES

TO SETTLEMENT UMLAZI BB868

FOOTPATH LONG SECTIONS

Scales	Reference
AS SHOWN	
Designed	Date
P.T	08.05.2023
Checked	Drawn by
K.P	A.D

Senior Manager: Development Engineering (South)

Deputy Head: Development Engineering

Head : Engineering

TENDER PURPOSES ONLY 49248-002