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SETTLEMENT	SETTLEMENT - V AND V1				
FP 1 CO-ORD	INATE TABLE				
CHAINAGE	Y	Х			
0.00	7744.259	3315378.884			
14.425 (CD)	7736.126	3315390.797			
20.00	7737.305	3315396.246			
26.780 (CD)	7738.740	3315402.873			
29.923 (CD)	7736.778	3315405.328			
33.740 (CD)	7736.800	3315409.145			
40.00	7733.473	3315414.448			
40.943 (CD)	7732.972	3315415.247			
49.499 (CD)	7729.046	3315422.848			
54.387 (CD)	7727.040	3315427.305			
59.724	7722.383	3315428.791			

	LEGEND
0	PROPOSED FOOTPATH FOR CONSTRUCTION
	FIGURE 12 KERB
	INFORMAL SETTLEMENT BOUNDARY
•	CONTROL POINTS
	CADASTRAL BOUNDARY
	ABLUTION FACILITIES
	EXISTING SURFACE ROAD
	EXISTING FOOTPATH
·····	EXISTING RETAINING WALL
	EXISTING SEWER MANHOLE (Ex SMH)
	EXISTING SEWER PIPE
	EXISTING STORMWATER MANHOLE (Ex SWMH)
	EXISTING STORMWATER PIPE
	EXISTING HEADWALL
	STORMWATER PIPE
	STORMWATER MANHOLE
	600mm CONCRETE DRAIN
0.00	FUTURE WORKS
25245464	RENO MATRESS

1. GENERAL NOTES

SPECIFICATIONS.

- 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
- 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 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:

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- AND BENEFITS OF BVI
 (b) THAT THESE DRAWINGS AND ALL COPIES WILL BE RETURNED TO BVI IMMEDIATELY ON DEMAND.
- TO BVI IMMEDIATELY ON DEMAND.

 (c) THAT ALL INFORMATION DISCLOSED BY THESE DRAWINGS

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2. CONCRETE

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

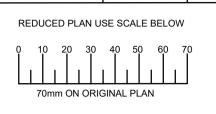
2.3 CURING AND PROTECTION SHALL BE ACCORDING TO SANS 0100 II-1980, 5.8.8

- 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 20 MPa



ENGINEERING UNIT DEVELOPMENT ENGINEERING

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



DESIGN CONSULTANT



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TO 24-05-23 ISSUED FOR TENDER

 T0
 24-05-23
 ISSUED FOR TENDER APPROVAL

 0
 24-04-23
 ISSUED FOR CONSTRUCTION

 Revision
 Date
 Description

Revision Date

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

Acquisitions
completed

Acquisitions completed NORTH POINT

DATE Engineer

UNDERGROUND SERVICES CHECKED

SERVICE DATE SIGNATURE

S.W.DRAINS

SEWERS

WATER MAINS

	ONDERGROOND 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					

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 - 24851

PROVISION OF INCREMENTAL SERVICES TO SETTLEMENT UMLAZI

AREA: V-V1

Drawing Title

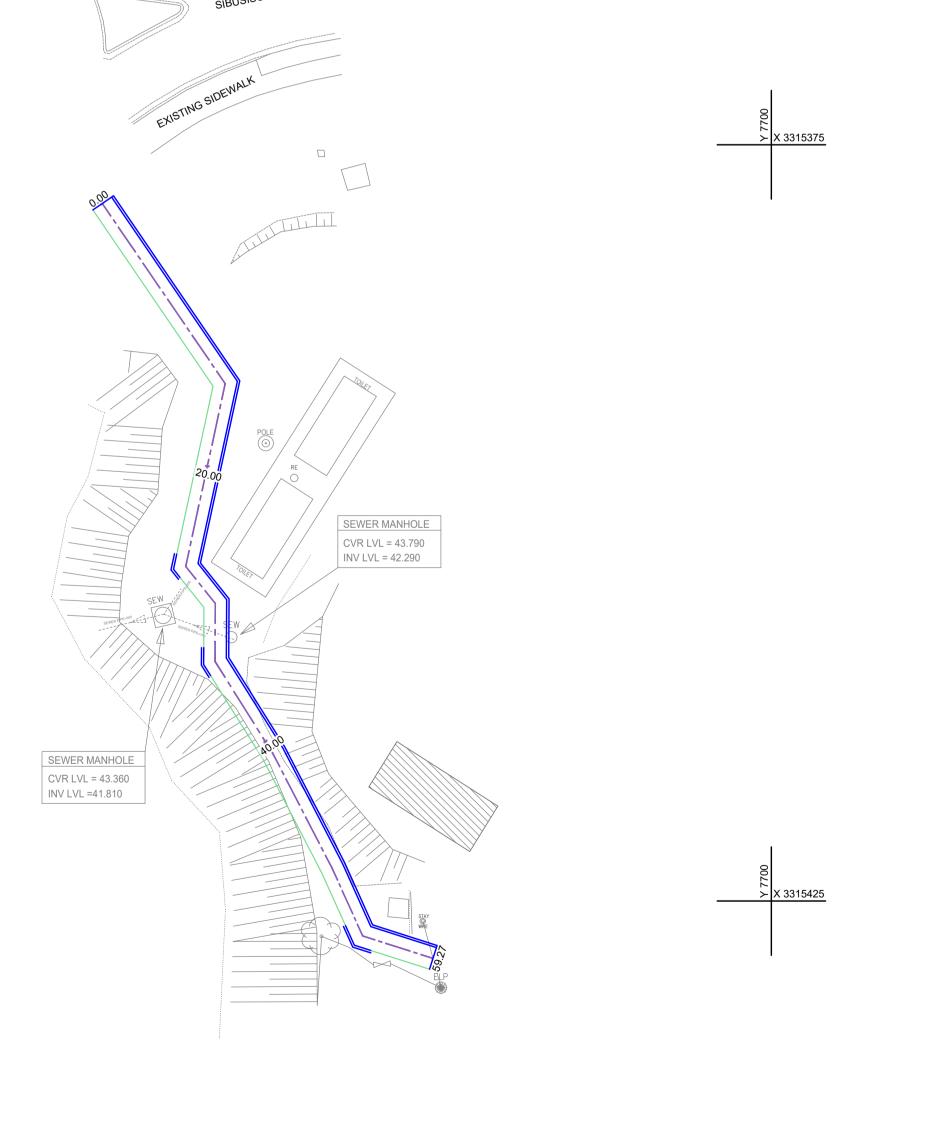
FOOTPATH LAYOUT

Scales		Reference	
1 : 500			
Checked	Date		Signature
KP	24/04/20	023	
Designed			
PT			

Senior Manager: Development Engineering (South)

Deputy Head: Development Engineering

Drawing No Sheet 1



TENDER PURPOSES ONLY

49252-001 of 1 Sheets
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