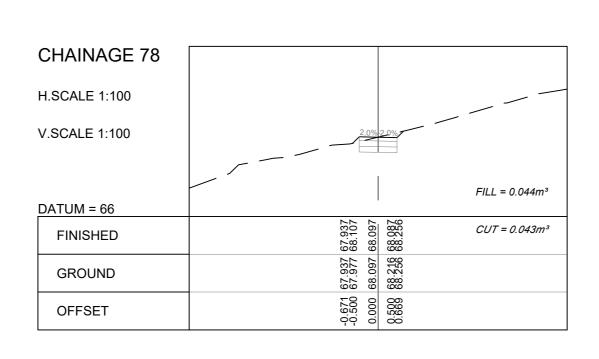
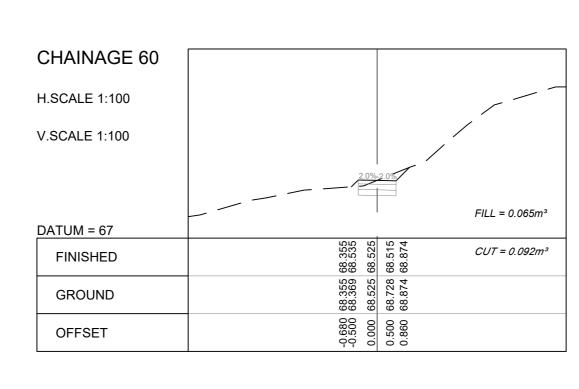
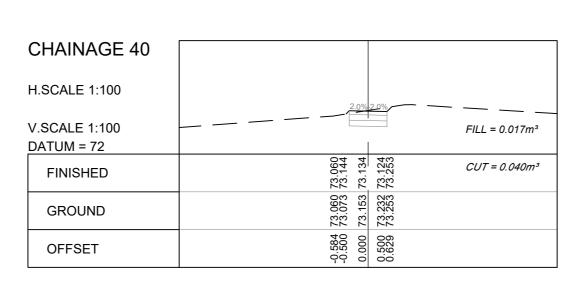
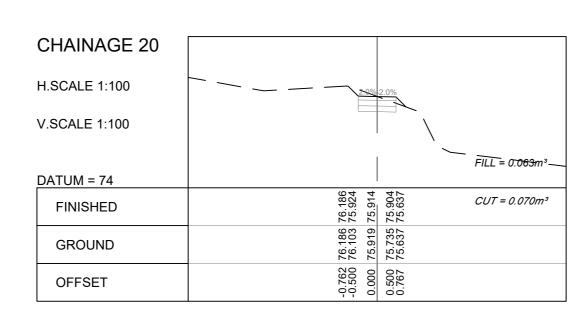


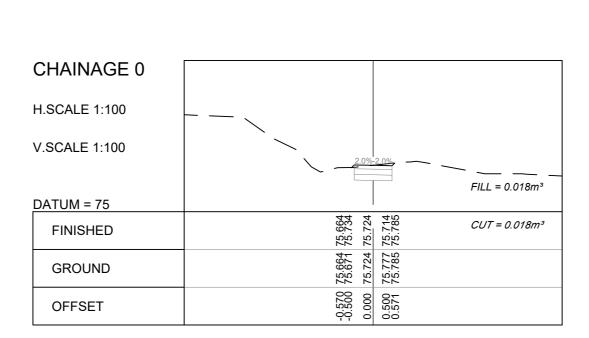
Road 1-1



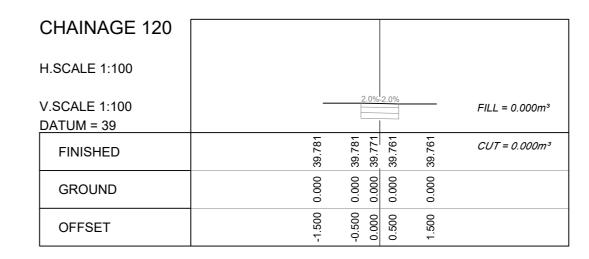








Footpath 2



CHAINAGE 100			
H.SCALE 1:100	 2.0%	-2.0%	
V.SCALE 1:100			FILL = 0.240m ³
DATUM = 39			
FINISHED	40.071 40.186 40.176	40.166 39.876	CUT = 0.000m ³
GROUND	40.071 40.047 39.980	39.914 39.876	
OFFSET	-0.615 -0.500 0.000	0.500	

CHAINAGE 80		
H.SCALE 1:100	,	
V.SCALE 1:100 DATUM = 41	2.0%	20%, FILL= 0.003m³
FINISHED	41.726 41.692 41.682	7.57. COL = 0.025m ³
GROUND	41.726 41.726 41.686	41.754
OFFSET	-0.535 -0.500 0.000	0.583

CHAINAGE 60			
H.SCALE 1:100		2.0%	
V.SCALE 1:100			FILL = 0.103m ³
DATUM = 48			
FINISHED	48.839 48.839	48.829	CUT = 0.047m ³
GROUND	48.998 48.845		
OFFSET	999:8:8:8		

CHAINAGE 40				
H.SCALE 1:100	,	2.09	%-2.0%	
V.SCALE 1:100	 		I	FILL = 0.405m ³
DATUM = 55				
FINISHED	56.069	56.712		CUT = 0.001m ³
GROUND	56.069	56.254	56.708 56.731	
OFFSET	-1.142	-0.500	300 000	

CHAINAGE 20				
H.SCALE 1:100		2.0%-2	<u>0%, </u>	
V.SCALE 1:100				FILL = 0.000m ³
DATUM = 59				
FINISHED	(t) (2) (2) (4) (4)		59.918 59.995 995	CUT = 0.043m ³
GROUND	67 67 64 44	59.968	59.992 59.995	
OFFSET	<u>တ</u> င် (၂)	0.000	0.577	

CHAINAGE 0		
H.SCALE 1:100	2.0%2.0%	_ — — —
V.SCALE 1:100 DATUM = 62		FILL = 0.066m ³
FINISHED	62.554 62.791 62.781 62.637	CUT = 0.047m ³
GROUND	62.554 62.610 62.781 62.931	
OFFSET	-0.737 -0.500 0.000 0.500	

Footpath 3

CHAINAGE 136			
H.SCALE 1:100			
V.SCALE 1:100 DATUM = 39	-	2.0% 2.0%	– FILL = 0.000m³
FINISHED	39.462	39.462 39.452 39.442	CUT = 0.000m ³
GROUND	0000	0.000	
OFFSET	-1.500	0.500	2
		<u> </u>	

GENERAL:

PROVE ALL SERVICES PRIOR TO CONSTRUCTION.

2. ALL LEVELS AND DIMENSIONS TO BE VERIFIED ON SITE. 3. ALL SETTING OUT TO BE UNDERTAKEN BY A REGISTERED

PROFESSIONAL LAND SURVEYOR. 4. ALL SURVEY AND SETTING OUT DATA PROVIDED IS BASED ON (WGS 84).
5. ALL WORK AREAS TO BE REINSTATED (PREMIX, CONCRETE, ETC.)

MUNICIPALITY TO EXECUTE ALL CONNECTIONS INTO MUNICIPAL UNLESS OTHERWISE AGREED WITH ENGINEER, CONTRACTOR TO

SUPPLY ENGINEER WITH RESULTS OF COMPACTION TESTS, AND WHEN APPLICABLE, PERCENTAGE STABILIZATION TESTS ON

3. ALL WORKS IN ACCORDANCE WITH CITY OF DURBAN SPECIFICATIONS AND SANS 1200

THE ENGINEER REQUIRES 24 HOURS NOTICE FOR ALL INSPECTIONS.

MATERIAL COMPLIANCE TESTING :

RESULTS OF COMPACTION AND CBR TESTS ON INSITU SUB-BASE MATERIAL AND FILLED SUB-BASE MATERIAL MUST BE SUBMITTED

TO THE ENGINEER FOR APPROVAL BEFORE THE UPPER

FREQUENCY OF TESTS:

CBR TESTS 1 PER 300m². COMPACTION TESTS 1 PER 200m² NOTE : COMPACTION TESTS WILL BE REQUIRED FOR EACH OF THE VARYING LAYER THAT IS

LAYER WORKS ARE IMPORTED TO THE SITE AND PLACED.

IMPORTED AND COMPACTED IN PLACE. RETAINING WALL:

ALL LEVELS AND DIMENSIONS TO BE CHECKED ON SITE. 2. ALL CONCRETE WORK IS TO COMPLY WITH SANS 1200G.

3. CONCRETE GRADE :- FOUNDATION 25 / 19 4. ALL FOUNDATION EXCAVATIONS ARE TO BE INSPECTED BY THE ENGINEER PRIOR TO CASTING OF CONCRETE.

5. ALL REINFORCING FIXING IS TO BE INSPECTED BY THE ENGINEER PRIOR TO CASTING OF CONCRETE. SIX CONCRETE CUBES TO BE TAKEN PER BATCH. THREE CUBES

TO BE TESTED AT SEVEN DAYS, THE REMAINDER AT TWENTY EIGHT DAYS. THE RESULTS ARE TO BE FORWARDED TO THE ENGINEER FOR REVIEW AND APPROVAL.

SET BOTTOM ROW OF BLOCKS IN WET CONCRETE. 3. ALL BACKFILL TO BE COMPACTED TO 93% MOD AASHTO DENSITY STORM WATER BEHIND THE TOP OF THE WALL TO BE MANAGED IN

SUCH A MANNER AS TO OBVIATE SCOUR BEHIND OR OVER -TOPPING OF THE WALL.

ROADS AND FOOTPATHS: ALL LEVELS, DIMENSIONS AND SETTING OUT DETAILS TO BE

VERIFIED BY CONSULTANT AND CONTRACTORS ON SITE PRIOR TO CONSTRUCTION. THE POSITIONS OF ACCESSES ARE TO BE DETERMINED IN CONSULTATION WITH THE LOCAL COMMUNITY. DAYLIGHT REQUIREMENTS ARE TO BE DECIDED BY THE ENGINEER ON SITE. CONCRETE WEDGES ACCORDING TO CIVIL ENGINEERS DETAILS

AND SPECIFICATIONS MAY BE USED IN PLACE OF SURFACED BELL-MOUTHS FOR ACCESSES SERVING SINGLE RESIDENTIAL EXISTING ROAD SIGNS, SERVICES AND FENCING AFFECTED BY

CONSTRUCTION ARE TO BE REMOVED/RELOCATED ON INSTRUCTION BY THE CIVIL ENGINEER. UNDERGROUND SERVICE CROSSINGS AND MARKERS ARE TO BE

ACCORDING TO CIVIL ENGINEERS DETAILS AND SPECIFICATIONS. . ALL NEW ROAD SIGNS AND ROAD MARKING REQUIREMENTS ARE TO CONFORM TO THE SOUTHERN AFRICAN DEVELOPMENT

COMMUNITY ROAD TRAFFIC SIGNS MANUAL (SADC - RTSM). 0. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH "COLTO SPECIFICATIONS FOR ROAD AND BRIDGE WORKS FOR STATE

ROAD AUTHORITIES". 1. NEW FILLS AND EXPOSED CUTS ARE TO BE TOP-SOILED AND VEGETATED IMMEDIATELY AFTER CONSTRUCTION TO PREVENT

STORMWATER:

ALL STORMWATER PIPES ARE CLASS 100D CONCRETE AND HD CL 34 uPVC PIPES. STANDARDS.

3. ALL uPVC PIPES TO COMPLY WITH SANS 966 STANDARDS. I. ALL JOINTS TO BE 'SPIGOT AND SOCKET' TYPE. 5. ALL STORMWATER PIPES TO BE LAID ON CLASS B BEDDING.

ALL EXISTING DRAINAGE CULVERTS ARE TO BE INSPECTED, AND ANY FOUND IN UNSERVICEABLE CONDITION ARE TO BE REPLACED ON INSTRUCTION BY THE CIVIL ENGINEER.

CULVERT INVERTS ARE TO BE DECIDED BY CIVIL ENGINEER ON SITE UNLESS SHOWN OTHERWISE. MIN. COVER = 600mm, MIN.

No.	REFERENCE DRAWINGS	

Professional person S.SIRPUTH PrTechEng April Registration 201470135

Z.M 2023.05.3

P1 ISSUED FOR TENDER



eTHEKWINI INCREMENTAL SERVICES GUMTREE ROAD, KENVILLE, WARD 34

ROAD/FOOTPATH CROSS SECTIONS -SHEET 1



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SCALES DESIGNED Z.M AS SHOWN DRAWN Z.M APPROVED S.S PL DATE 2023.02.24 DRAWING No. 557/GUMT-PH2/902 REV P1

FOR TENDER