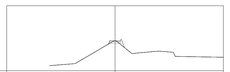
CHAINAGE 60

H.SCALE 1:200
V.SCALE 1:200
DATUM = 59

OFFSET	-2.247	-1.967	1.729 1.967
ELEVATION	59.732	59.856	61.597 61.811

CHAINAGE 50

H.SCALE 1:200
V.SCALE 1:200
DATUM = 62



OFFSET	-0.120	-0.120	1.952 1.988
ELEVATION	64.746	64.769	63.564 63.622

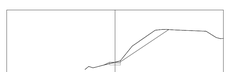
CHAINAGE 40

H.SCALE 1:200
V.SCALE 1:200
DATUM = 62

OFFSET	[illegible]		0.845
ELEVATION	[illegible]		65.286

CHAINAGE 30

H.SCALE 1:200
V.SCALE 1:200
DATUM = 64



OFFSET	0.461	0.581	5.314
ELEVATION	65.280	65.424	68.165

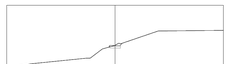
CHAINAGE 100

H.SCALE 1:200
V.SCALE 1:200
DATUM = 54

OFFSET	-1.090	-0.950	2.969 3.004
ELEVATION	54.715	54.759	55.235 57.207

CHAINAGE 20

H.SCALE 1:200
V.SCALE 1:200
DATUM = 65



OFFSET	-0.355		0.540
ELEVATION	67.196		67.453

CHAINAGE 90

H.SCALE 1:200
V.SCALE 1:200
DATUM = 54

OFFSET	-1.344	-0.283	1.124 1.220
ELEVATION	56.467	56.113	56.847 56.858

CHAINAGE 10

H.SCALE 1:200
V.SCALE 1:200
DATUM = 65

OFFSET	-0.642		0.583
ELEVATION	68.190		68.269

CHAINAGE 80

H.SCALE 1:200
V.SCALE 1:200
DATUM = 55

OFFSET	-1.036	-0.904	0.774 2.168
ELEVATION	58.874	58.460	58.928 57.633

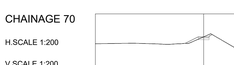
CHAINAGE 0

H.SCALE 1:200
V.SCALE 1:200
DATUM = 69

OFFSET	-0.444		1.027
ELEVATION	69.597		70.461

CHAINAGE 70

H.SCALE 1:200
V.SCALE 1:200
DATUM = 56

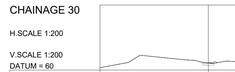


OFFSET	-1.417		0.651
ELEVATION	59.265		60.169

Footpath 1 - Ch. 0 to 100

CHAINAGE 30

H.SCALE 1:200
V.SCALE 1:200
DATUM = 60



OFFSET	-0.168		1.652
ELEVATION	60.667		60.826

CHAINAGE 65

H.SCALE 1:200
V.SCALE 1:200
DATUM = 52

OFFSET	-0.096	0.325	1.526
ELEVATION	53.053	53.068	52.907

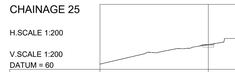
CHAINAGE 100

H.SCALE 1:200
V.SCALE 1:200
DATUM = 44

OFFSET	-1.492		1.924
ELEVATION	45.703		45.740

CHAINAGE 25

H.SCALE 1:200
V.SCALE 1:200
DATUM = 60



OFFSET	-1.421		1.431
ELEVATION	62.054		62.515

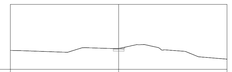
CHAINAGE 60

H.SCALE 1:200
V.SCALE 1:200
DATUM = 54

OFFSET	-0.226		1.366
ELEVATION	54.160		54.307

CHAINAGE 95

H.SCALE 1:200
V.SCALE 1:200
DATUM = 45



OFFSET	-0.121		1.693
ELEVATION	46.912		47.290

CHAINAGE 20

H.SCALE 1:200
V.SCALE 1:200
DATUM = 61

OFFSET	-1.046	1.209	10.000
ELEVATION	63.379	63.436	64.495

CHAINAGE 55

H.SCALE 1:200
V.SCALE 1:200
DATUM = 55

OFFSET	0.106		2.131
ELEVATION	55.468		55.504

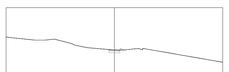
CHAINAGE 90

H.SCALE 1:200
V.SCALE 1:200
DATUM = 47

OFFSET	0.288		1.079
ELEVATION	48.183		48.840

CHAINAGE 125

H.SCALE 1:200
V.SCALE 1:200
DATUM = 38



OFFSET	0.006		1.079 1.142
ELEVATION	40.086		40.102 40.124

CHAINAGE 15

H.SCALE 1:200
V.SCALE 1:200
DATUM = 61

OFFSET	0.063	0.275	0.884
ELEVATION	64.375	64.310	64.908

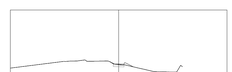
CHAINAGE 50

H.SCALE 1:200
V.SCALE 1:200
DATUM = 56

OFFSET	0.562		2.535
ELEVATION	56.833		56.827

CHAINAGE 85

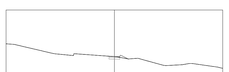
H.SCALE 1:200
V.SCALE 1:200
DATUM = 48



OFFSET	-0.400	0.389	0.510
ELEVATION	49.014	48.921	48.944

CHAINAGE 120

H.SCALE 1:200
V.SCALE 1:200
DATUM = 40



OFFSET	0.239		1.280 2.165
ELEVATION	41.678		41.476 41.542

CHAINAGE 10

H.SCALE 1:200
V.SCALE 1:200
DATUM = 63

OFFSET	-1.238		0.224 1.170
ELEVATION	65.431		65.452 65.414

CHAINAGE 45

H.SCALE 1:200
V.SCALE 1:200
DATUM = 58

OFFSET	-0.008		1.762
ELEVATION	58.160		58.154

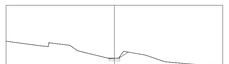
CHAINAGE 80

H.SCALE 1:200
V.SCALE 1:200
DATUM = 48

OFFSET	0.664		0.792
ELEVATION	50.295		50.209

CHAINAGE 115

H.SCALE 1:200
V.SCALE 1:200
DATUM = 41



OFFSET	-0.477		0.403 0.639
ELEVATION	42.090		42.115 42.702

CHAINAGE 5

H.SCALE 1:200
V.SCALE 1:200
DATUM = 66

OFFSET	-0.970		3.518
ELEVATION	68.036		66.169

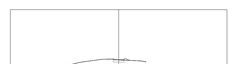
CHAINAGE 40

H.SCALE 1:200
V.SCALE 1:200
DATUM = 58

OFFSET	-0.982	0.647	1.421
ELEVATION	59.078	59.001	59.279

CHAINAGE 75

H.SCALE 1:200
V.SCALE 1:200
DATUM = 50



OFFSET	-0.588	0.795	1.056
ELEVATION	51.434	51.312	51.312

CHAINAGE 110

H.SCALE 1:200
V.SCALE 1:200
DATUM = 42

OFFSET	-0.456	-0.089	1.794
ELEVATION	43.009	43.065	43.026

CHAINAGE 0

H.SCALE 1:200
V.SCALE 1:200
DATUM = 67

OFFSET	-0.782		1.270
ELEVATION	67.866		67.915

CHAINAGE 35

H.SCALE 1:200
V.SCALE 1:200
DATUM = 59

OFFSET	-1.142	1.020	1.993
ELEVATION	60.709	59.975	59.684

CHAINAGE 70

H.SCALE 1:200
V.SCALE 1:200
DATUM = 51

OFFSET	-0.188	0.277	1.858
ELEVATION	52.335	52.249	52.083

CHAINAGE 105

H.SCALE 1:200
V.SCALE 1:200
DATUM = 43

OFFSET	-0.020	0.703	2.477
ELEVATION	44.107	44.033	43.420

Footpath 2 - Ch. 0 to 125

FOR TENDER

NOTES

GENERAL :

1. 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.)
6. MUNICIPALITY TO EXECUTE ALL CONNECTIONS INTO MUNICIPAL LINES.
7. UNLESS OTHERWISE AGREED WITH ENGINEER, CONTRACTOR TO SUPPLY ENGINEER WITH RESULTS OF COMPACTION TESTS, AND WHEN APPLICABLE, PERCENTAGE STABILIZATION TESTS ON BACKFILL.
8. ALL WORKS IN ACCORDANCE WITH CITY OF DURBAN SPECIFICATIONS AND SANS 1200
9. THE ENGINEER REQUIRES 24 HOURS NOTICE FOR ALL INSPECTIONS.

MATERIAL COMPLIANCE TESTING :

1. 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 LAYER WORKS ARE IMPORTED TO THE SITE AND PLACED.

FREQUENCY OF TESTS :

1. CBR TESTS 1 PER 300m².
2. COMPACTION TESTS 1 PER 200m² NOTE : COMPACTION TESTS WILL BE REQUIRED FOR EACH OF THE VARYING LAYER THAT IS IMPORTED AND COMPACTED IN PLACE.

RETAINING WALL :

1. 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.
6. 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.
7. SET BOTTOM ROW OF BLOCKS IN WET CONCRETE.
8. ALL BACKFILL TO BE COMPACTED TO 93% MOD AASHTO DENSITY
9. 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 :

1. ALL LEVELS, DIMENSIONS AND SETTING OUT DETAILS TO BE VERIFIED BY CONSULTANT AND CONTRACTORS ON SITE PRIOR TO CONSTRUCTION.
2. 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 BELLMOUTHS FOR ACCESSES SERVING SINGLE RESIDENTIAL PROPERTIES.
7. EXISTING ROAD SIGNS, SERVICES AND FENCING AFFECTED BY CONSTRUCTION ARE TO BE REMOVED/RELOCATED ON INSTRUCTION BY THE CIVIL ENGINEER.
8. UNDERGROUND SERVICE CROSSINGS AND MARKERS ARE TO BE ACCORDING TO CIVIL ENGINEERS DETAILS AND SPECIFICATIONS.
9. ALL NEW ROAD SIGNS AND ROAD MARKING REQUIREMENTS ARE TO CONFORM TO THE SOUTHERN AFRICAN DEVELOPMENT COMMUNITY ROAD TRAFFIC SIGNS MANUAL (SADC - RTSM).
10. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH "COLTO SPECIFICATIONS FOR ROAD AND BRIDGE WORKS FOR STATE ROAD AUTHORITIES".
11. NEW FILLS AND EXPOSED CUTS ARE TO BE TOP-SOILED AND VEGETATED IMMEDIATELY AFTER CONSTRUCTION TO PREVENT EROSION.

SCALE (mm)

No.	REFERENCE DRAWINGS