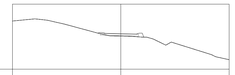
CHAINAGE 30

H.SCALE 1:200

V.SCALE 1:200

DATUM = 65



OFFSET	-2.137	-1.039	0.675	2.608	2.975
ELEVATION	68.329	68.075	68.040	67.948	67.790

CHAINAGE 25

H.SCALE 1:200

V.SCALE 1:200

DATUM = 66

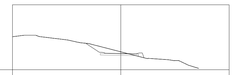
OFFSET	-2.153	0.205	2.857
ELEVATION	68.746	68.742	68.047

CHAINAGE 20

H.SCALE 1:200

V.SCALE 1:200

DATUM = 67



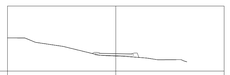
OFFSET	-2.980	2.446
ELEVATION	69.422	68.028

CHAINAGE 15

H.SCALE 1:200

V.SCALE 1:200

DATUM = 67



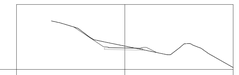
OFFSET	-1.543	0.731	2.870
ELEVATION	68.465	68.365	68.201

CHAINAGE 60

H.SCALE 1:200

V.SCALE 1:200

DATUM = 66



OFFSET	-4.312	-1.513	1.859	3.898
ELEVATION	69.702	68.466	67.785	67.363

CHAINAGE 55

H.SCALE 1:200

V.SCALE 1:200

DATUM = 65

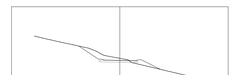
OFFSET	-4.008	-1.009	4.686
ELEVATION	69.589	68.216	66.601

CHAINAGE 50

H.SCALE 1:200

V.SCALE 1:200

DATUM = 65



OFFSET	-2.915	1.028	6.266
ELEVATION	69.183	67.864	66.627

CHAINAGE 10

H.SCALE 1:200

V.SCALE 1:200

DATUM = 67

OFFSET	-1.618	0.582	2.976
ELEVATION	68.514	68.316	68.292

CHAINAGE 45

H.SCALE 1:200

V.SCALE 1:200

DATUM = 65

OFFSET	-1.560	-0.883	6.907
ELEVATION	68.790	68.047	65.879

CHAINAGE 5

H.SCALE 1:200

V.SCALE 1:200

DATUM = 68

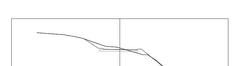
OFFSET	-2.473	-0.325	2.588
ELEVATION	69.033	68.887	68.638

CHAINAGE 40

H.SCALE 1:200

V.SCALE 1:200

DATUM = 65



OFFSET	-3.496	-1.310	4.291
ELEVATION	69.205	68.446	66.319

CHAINAGE 0

H.SCALE 1:200

V.SCALE 1:200

DATUM = 68

OFFSET	-1.826	-1.025	2.830
ELEVATION	69.057	69.016	68.753

CHAINAGE 35

H.SCALE 1:200

V.SCALE 1:200

DATUM = 65

OFFSET	-1.644	2.485
ELEVATION	68.286	67.559

CHAINAGE 64

H.SCALE 1:200

V.SCALE 1:200

DATUM = 66

OFFSET	-3.874	-1.476	0.877	2.415
ELEVATION	70.219	68.114	68.147	67.709

Road 1 - Ch. 0 to 63.805

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
557/SMIT/904	RETAINING WALL DETAILS
557/SMIT/903	TYPICAL DETAIL
557/SMIT/902-2	FOOTPATHS CROSS SECTIONS
557/SMIT/901	ROAD AND FOOTPATHS LONG SECTIONS
557/SMIT/900	ROAD AND FOOTPATHS LAYOUT AND DETAILS

REV	DESCRIPTION	BY	DATE
P1	FOR TENDER	K.G	2024.03.28

Professional person Registration

CLIENT

ETHEKWINI MUNICIPALITY

PROJECT

eTHEKWINI: PROVISION OF INCREMENTAL SERVICES TO INFORMAL SETTLEMENTS: SMITHFIELD RD WARD 34

DETAILS

ROAD CROSS SECTIONS

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FAX (031) 3092929 TEL. (031) 3095831

DESIGNED	L.S	COPYRIGHT RESERVED		SCALES	AS SHOWN
DRAWN	K.G				
APPROVED	L.S	PL		DATE	2024.03.28
CONTRACT No.	4V-24407				
DRAWING No.	557/SMIT/902-1			REV	P1