# -----HOR. SCALE 1:500 VER. SCALE 1:100 Datum 86.00 Datum 104.00 Datum 122.00 Datum 134.00 Chainage Centreline Peg Levels Left Edge Centre Line Right Edge 40.00 91.53 89.50 9937.5903 98.42 238.05 114.91 Grades Vertical Curves Superelevation Curve 3 Right R=50.00 R=24.11.12 **Horizontal Curves**

Road1 - Ch. 4 to 430

NOTES

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.
- . ALL SURVEY AND SETTING OUT DATA PROVIDED IS BASED ON 5. ALL WORK AREAS TO BE REINSTATED (PREMIX, CONCRETE, ETC.)
- UNLESS OTHERWISE AGREED WITH ENGINEER. CONTRACTOR TO SUPPLY ENGINEER WITH RESULTS OF COMPACTION TESTS, AND WHEN APPLICABLE, PERCENTAGE STABILIZATION TESTS ON

6. MUNICIPALITY TO EXECUTE ALL CONNECTIONS INTO MUNICIPAL

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 LAYER WORKS ARE IMPORTED TO THE SITE AND PLACED.

#### FREQUENCY OF TESTS:

. CBR TESTS 1 PER 300m<sup>2</sup>. 2. COMPACTION TESTS 1 PER 200m<sup>2</sup> NOTE : COMPACTION TESTS

### WILL BE REQUIRED FOR EACH OF THE VARYING LAYER THAT IS

TOPPING OF THE WALL.

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 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.
- Y. SET BOTTOM ROW OF BLOCKS IN WET CONCRETE. 3. ALL BACKFILL TO BE COMPACTED TO 93% MOD AASHTO DENSITY O. STORM WATER BEHIND THE TOP OF THE WALL TO BE MANAGED IN SUCH A MANNER AS TO OBVIATE SCOUR BEHIND OR OVER -
- ROADS AND FOOTPATHS : . 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 BELL-MOUTHS FOR ACCESSES SERVING SINGLE RESIDENTIAL
- CONSTRUCTION ARE TO BE REMOVED/RELOCATED ON INSTRUCTION BY THE CIVIL ENGINEER.

Z. EXISTING ROAD SIGNS, SERVICES AND FENCING AFFECTED BY

- B. 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
- ALL STORMWATER PIPES ARE CLASS 100D CONCRETE AND HD CL
- 2. ALL STORMWATER CONCRETE PIPES TO COMPLY WITH SANS 677
- STANDARDS. 3. ALL uPVC PIPES TO COMPLY WITH SANS 966 STANDARDS. 4. ALL JOINTS TO BE 'SPIGOT AND SOCKET' TYPE.
- 6. ALL EXISTING DRAINAGE CULVERTS ARE TO BE INSPECTED, AND ANY FOUND IN UNSERVICEABLE CONDITION ARE TO BE

5. ALL STORMWATER PIPES TO BE LAID ON CLASS B BEDDING.

REPLACED ON INSTRUCTION BY THE CIVIL ENGINEER. 7. CULVERT INVERTS ARE TO BE DECIDED BY CIVIL ENGINEER ON SITE UNLESS SHOWN OTHERWISE. MIN. COVER = 600mm, MIN.

REFERENCE DRAWINGS



P1 ISSUED FOR TENDER

eTHEKWINI INCREMENTAL SERVICES AMAOTANA (ZWELISHA)

LONG SECTION (VERTICAL ALIGNMENT)

WARD 59



SUITE ESS106 STRATHMORE PARK, 305 MUSGRAVE ROAD, MUSGRAVE, DURBAN e-mail : admin@mapafrica.co.za website : www.mapafrica.co.za

DESIGNED Z.M

FAX (031) 3092929

SCALES .—COPYRIGHT RESERVED DRAWN Z.M AS SHOWN

FOR TENDER

DATE 2023.02.24 APPROVED S.S PL DRAWING No. 557/AMZW-PH2/901 REV P1