

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

Telegraphic Address: “MINWORKS”, Nairobi Materials Testing & Research Division Telephone: Nairobi 0202554950 Machakos Road, Industrial Area Fax: 554877 P.O. Box 11873 – 00400 E-mail: [chiefengineer@mtrd.go.ke](mailto:chiefengineer@mtrd.go.ke) **NAIROBI**

Ref No. M.1655/35/L/10 Date: 8th  February, 2023

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| **Laboratory Test Report** |

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| 1. **Customer’s Details:** MECSTRY ENGINEERING LIMITED   **E-mail:** antonymusumba@gmail.com  **Address:** P.O.Box 799-00100 NRB Phone: 0721536554  **2. Customer Contact:** 0721536554 6. Job Card No.1594/S/2023  **3. Sample Description:** Gravel 7. Date fee paid: 27/01/2023  **4. Sampled by:** CLIENT. 8. GOK MR No. 4115925  **5. Date Sample received:** 27/01/2023 9. Date Analysis started: 31/01/2023  **10. Additional information provided by the customer:** Construction of Parking Leasing Works at NBC Westlands.Nairobi Baptist church.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **TEST RESULTS** | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Grading** | | | | | | **Atterberg Limits** | | | | | **Compaction T180** | | **CBR** | | | **% Passing BS Sieve Size (mm)** | | | | | | **LL** | **PL** | **PI** | **LS** | **PM** | **MDD** | **OMC** | **4days Soak**  **(%)** | **Swell** | | **20** | **10** | **5** | **2** | **0.425** | **0.075** | **%** | **%** | **%** | **%** |  | **Kg/m3** | **( % )** | **(%)** | | 673/S/22 | Gravel | 100 | 93 | 77 | 64 | 45 | 34 | 38 | 26 | 12 | 6 | 540 | 1658 | 16.4 | 35 | 0.3 | | **SOIL COMPOSITION: Gravel =36%, Sand =30%, Silt/clay =34%** | | | | | | | | | | | | | | | |

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**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC** **Soils Laboratory CSE Soils Laboratory**

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