

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.1657/35/L/10 Date: 8th  February, 2023

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| **Laboratory Test Report** |

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| 1. **Customer’s Details:** DEROW CONSTRUCTION COMPANY LIMITED   **E-mail:** Not Provided  **Address:** Not Provided Phone: 0727648134  **2. Customer Contact:** 0727648134 6. Job Card No.1569/S/2023  **3. Sample Description:** Gravel/Softstone 7. Date fee paid: 24/01/2023  **4. Sampled by:** CLIENT. 8. GOK MR No. 4115902  **5. Date Sample received:** 24/01/2023 9. Date Analysis started: 26/01/2023  **10. Additional information provided by the customer:** Dualling of Limuru Road-Muthaiga Junction Phase 1.  **SOURCE:** Westland Peponi   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **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** | **( % )** | **(%)** | | 655/S/22 | Gravel/  Softstone | 100 | 89 | 73 | 63 | 47 | 41 | 46 | 28 | 18 | 9 | 846 | 1526 | 22.5 | 28 | 0.9 | | **SOIL COMPOSITION: Gravel =37%, Sand =22%, Silt/clay =41%** | | | | | | | | | | | | | | | |

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**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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