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**Attention to:** ﻣﺆﺳﺴﺔ ﻏﻴﺜﻪ ﻋﻄﻴﻮﻱ ﻣﺒﺮﻭﻙ ﺍﻟﻤﺤﻤﺪﻱ ﻟﻠﺘﺸﻐﻴﻞ ﻭﺍﻟﺼﻴﺎﻧﺔ

**IDI PR #:** **100100**

**Established by: Islam Reyad**

**TIS Visit**

**Inspection Report - Soil Improvement**

**Date of visit: 27-Jan-2025**

**Location: 24.6722035,46.7282902**

**( Special Projects, Saudi Arabia)**

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| **Owner** | ﻋﺒﺪﺍﻟﻠﻪ ﻏﺎﺯﻱ ﺑﻦ ﺧﻀﺮ ﺳﺒﻴﻪ | **TIS Company** | CPV Arabia |
| **Contractor** | ﻣﺆﺳﺴﺔ ﻏﻴﺜﻪ ﻋﻄﻴﻮﻱ ﻣﺒﺮﻭﻙ ﺍﻟﻤﺤﻤﺪﻱ ﻟﻠﺘﺸﻐﻴﻞ ﻭﺍﻟﺼﻴﺎﻧﺔ | **Report Issue Date** |  |
| **Project Location** | ﺍﻟﻤﺪﻳﻨﺔ ﺍﻟﻤﻨﻮﺭﺓ - ﺍﻟﻌﻮﺍﻟﻲ | **Inspection #** | 16 |
| **Inspection Stage** | Soil Improvement | **No. Of buildings** | 1 |
| **Inspector Name** | Islam Reyad | **Work in progress** | Soil Improvement( يهبن ) |
| **Email** | IReyad@cpvarabia.com | **Telephone** | 581097785 |

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| **Inspection Results: Satisfactory** |
| **Description of the inspections carried out:**  CPV ARABIA has conducted an on-site technical inspection (IDI) for Project PR #100100 during the pre-pouring phase of the Soil Improvement.  The details of the inspection are described further as we go through this report. |

**Summary**

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| **Risks Assessment:** - There are difference between the executed drawing and the RD0 drawings.   - The plate diameter and thickness as per test specifications  hdfffffffffffffffff - The excavation level not complying with soil report recommendations and SBC limits, high risk, Major impact on the building stability which will increase the possibility of differential settlement of the building and affect the durability of the foundations   The level of excavation should comply with soil report and saudi building code - bngnb c  cvb vcxb - High Risk, Major stability issue that can affect the building’s stability  Construction Plans and Saudi Building Code have to be followed  **Stages missed without TIS involvement:** - During the ongoing project, we have identified that the contractor cast concrete before the TIS visit, which poses a potential risk to the projects quality.  To address this issue, we will need to conduct on-site testing to confirm that the works have been executed based on SBC and engineering principles. - The project has a missing stage as shown in the attached image  **Interpretation of Additional Visit:** - Not exist |

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| General Site Pictures and Construction Plans |
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| General site picture and construction plans |

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| Checklist |

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| **No** | **Checklist** | **SBC Reference** | **Result** | **Remarks** |
| **1** | **Inspection criteria** | | | |
| 1.1 | Is the site ready for inspection with safe inspection conditions and safe access for the TIS inspection? | - | Passed |  |
| 1.2 | Were there any modifications in the project that is different from the RD0, Soil Report and Construction Plans...etc.)? | - | Passed |  |
| 1.3 | Is there any missing inspection stages in the project? | - | Passed |  |
| 1.4 | Are there any defects observed that can affect the building’s stability or RD5 inspection for slab stage hasn’t been closed yet? |  | Passed |  |
| 1.5 | Is the laboratory conducting tests certified by an ISO/17025-accredited body? | - | Passed |  |
| **2** | **Checklist** | | | |
| 2.1 | Are there any visible signs of inadequate compaction, such as surface irregularities or material segregation? | - | Passed |  |
| 2.2 | Are the area cleared of debris, vegetation, and loose soil? | - | Passed |  |
| 2.3 | Does the soil classification report been provided and Soil type match the approved specifications? | - | Passed |  |
| 2.4 | Are The compaction layer is uniform, and thickness matches with SBC specifications.? | - | Passed |  |
| 2.5 | Do the Compaction equipment and methodology comply with the approved method statement? | - | Passed |  |
| 2.6 | Does the moisture content of the soil match the optimum moisture content (OMC) as per the provided proctor test/modified proctor test results? | - | Passed |  |
| 2.7 | are the Field dry density measured using approved methods (e.g., sand cone, nuclear gauge) as per test specifications? | - | Passed |  |
| 2.8 | Are the compaction test results (Field compaction percentage) satisfactory and comply with SBC? | - | Passed |  |
| 2.9 | Is the test area level, debris-free, and prepared according to the approved method statement? | - | Passed |  |
| 2.10 | Are the load is applied incrementally as per approved standards (e.g., ASTM D1196)? | - | Passed |  |
| 2.11 | Are The load-settlement relationship matches design requirements for bearing capacity and settlement limits? | - | Passed |  |
| 2.12 | Is a detailed test report, including load-settlement curves and results provided? | - | Passed |  |
| 2.13 | Are the compaction test results for the previous layers provided and verified on site? | - | Passed |  |
| 2.14 | Does the test plate meet the specified dimensions and thickness? | - | Passed |  |

Risk Assessment

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| **The plate diameter and thickness as per test specifications**   **Not Passed** |
| **The plate diameter and thickness as per test specifications**   **Passed** |
| **The compaction test results for the previous layers have been provided and verified on site .**   **Passed** |
| **Test report is detailed, including load-settlement curves and results**   **Passed** |
| **The load-settlement relationship matches design requirements for bearing capacity and settlement limits**   **Passed** |
| **The load is applied incrementally as per approved standards (e.g., ASTM D1196).**   **Passed** |
| **The test area is level, free from debris, and prepared according to the approved method statement.**   **Passed** |
| **The compaction test results (Field compaction percentage) are satisfactory and comply with SBC**   **Passed** |
| **The field dry density measured using approved methods (e.g., sand cone, nuclear gauge) complies with the test specifications**   **Passed** |
| **The moisture content of the soil is within the optimum moisture content (OMC) based on the provided proctor test results.**   **Passed** |
| **The compaction equipment and methodology comply with the approved method statement.**   **Passed** |
| **The compaction layer is uniform, and its thickness conforms to SBC specifications.**   **Passed** |
| **The soil classification report has been provided, and the soil type matches the approved specifications.**   **Passed** |
| **the area cleared of debris, vegetation, and loose soil**   **Passed** |
| **There are no visible signs of inadequate compaction, such as surface irregularities or material segregation**   **Passed** |

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| **Engineer In Charge of Inspection** | **Area Manager** | **Technical Inspection Manager** |
| **Name:** Islam Reyad | **Name:** | **Name:** |
| **Signature:** | **Signature:** | **Signature:** |
| Date of Issuing the report: | | |