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**Attention to:** ﻣﺆﺳﺴﺔ ﺳﻌﺪﻯ ﺯﻭﻳﺪ ﺑﻦ ﺳﻌﺪﻭﻥ ﺍﻟﻌﺘﻴﺒﻲ ﻟﻠﻤﻘﺎﻭﻻﺕ ﺍﻟﻌﺎﻣﺔ

**IDI PR #:** **111000**

**Established by: Amr Yasser**

**TIS Visit**

**Inspection Report - Soil Improvement**

**Date of visit: 21-Jan-2025**

**Location: 26.435593,50.1021907**

**( Special Projects, Saudi Arabia)**

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| **Owner** | ﺣﺒﻨﺎﻥ ﺯﻭﻳﺪ ﺑﻦ ﺳﻌﺪﻭﻥ ﺍﻟﻌﺘﻴﺒﻲ | **TIS Company** | CPV Arabia |
| **Contractor** | ﻣﺆﺳﺴﺔ ﺳﻌﺪﻯ ﺯﻭﻳﺪ ﺑﻦ ﺳﻌﺪﻭﻥ ﺍﻟﻌﺘﻴﺒﻲ ﻟﻠﻤﻘﺎﻭﻻﺕ ﺍﻟﻌﺎﻣﺔ | **Report Issue Date** |  |
| **Project Location** | ﻣﺸﺮﻭﻉ ﺍﻧﺸﺎﺀ ﻓﻠﺘﻴﻦ ﺩﻭﺑﻠﻜﺲ ﺑﺤﻰ ﻃﻮﻳﻖ | **Inspection #** | 1 |
| **Inspection Stage** | Soil Improvement | **No. Of buildings** | 1 |
| **Inspector Name** | Amr Yasser | **Work in progress** | Soil Improvement |
| **Email** | ayasser@cpvarabia.com | **Telephone** | 594037209 |

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| **Inspection Results: Additional Vsit** |
| **Description of the inspections carried out:**  CPV ARABIA has conducted an on-site technical inspection (IDI) for Project PR #111000 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:** - Not exist  **Stages missed without TIS involvement:** - Not exist  **Interpretation of Additional Visit:** - The compaction test results for the previous layers have not been provided and have not been verified on-site  - The test area is not level, not free from debris, and not prepared according to the approved method statement - The field dry density measured using approved methods (e.g., sand cone, nuclear gauge) did not comply with the test specifications - The compaction layer is not uniform, and its thickness does not conform to SBC specifications. |

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| General Site Pictures and Construction Plans |
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| **${GImg}** |
| 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? | - | NA |  |
| **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.? | - | Not Passed |  |
| 2.5 | Do the Compaction equipment and methodology comply with the approved method statement? | - | Not 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? | - | Not 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? | - | Not 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? | - | Not 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**   **Passed** |
| **The compaction test results for the previous layers have not been provided and have not been verified on-site**   **Not 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 not level, not free from debris, and not prepared according to the approved method statement**   **Not 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) did not comply with the test specifications**   **Not 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 do not fully comply with the approved method statement.**   **Not Passed** |
| **The compaction layer is not uniform, and its thickness does not conform to SBC specifications.**   **Not 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:** Amr Yasser | **Name:** | **Name:** |
| **Signature:** | **Signature:** | **Signature:** |
| Date of Issuing the report: | | |