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**Attention to:** ﻣﺆﺳﺴﺔ ﻋﻨﻴﻔﻪ ﺳﻠﻴﻤﺎﻥ ﺑﻦ ﻋﻠﻴﺎﻥ ﺍﻟﺮﺷﻴﺪﻱ ﻟﻠﻤﻘﺎﻭﻻﺕ ﺍﻟﻌﺎﻣﺔ

**IDI PR #:** **123111**

**Established by: Amr Yasser**

**TIS Visit**

**Inspection Report - Retaining walls**

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

**Location: 26.4355518,50.1022324**

**( Special Projects, Saudi Arabia)**

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| **Owner** | ﺿﻴﻒ ﺍﻟﻠﻪ ﺑﻦ ﻣﺤﻤﺪ ﺑﻦ ﻣﺜﻌﻲ ﺍﻟﻌﺘﻴﺒﻲ | **TIS Company** | CPV Arabia |
| **Contractor** | ﻣﺆﺳﺴﺔ ﻋﻨﻴﻔﻪ ﺳﻠﻴﻤﺎﻥ ﺑﻦ ﻋﻠﻴﺎﻥ ﺍﻟﺮﺷﻴﺪﻱ ﻟﻠﻤﻘﺎﻭﻻﺕ ﺍﻟﻌﺎﻣﺔ | **Report Issue Date** |  |
| **Project Location** | ﺍﻟﻘﻄﻌﺔ ﺭﻗﻢ 701 ﻣﺨﻄﻂ 92\*6 ﺍﻟﻤﻨﺘﺰﺓ ﺭﺍﺱ ﺗﻨﻮﺭ | **Inspection #** | 1 |
| **Inspection Stage** | Retaining walls | **No. Of buildings** | 1 |
| **Inspector Name** | Amr Yasser | **Work in progress** | Retaining walls |
| **Email** | ayasser@cpvarabia.com | **Telephone** | 594037209 |

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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 #123111 during the pre-pouring phase of the Retaining walls .  The details of the inspection are described further as we go through this report. |

**Summary**

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| **Risks Assessment:** - The load is applied incrementally not as per approved standards (e.g., ASTM D1196).  the load is applied incrementally should comply the approved standards (e.g., ASTM D1196). - The compaction test results for the previous layers have not been provided and have not been verified on-site   The compaction test results for the previous layers must be provided and verified on-site.  **Stages missed without TIS involvement:** - Not exist  **Interpretation of Additional Visit:** - The test area is not level, not free from debris, and not prepared according to the approved method statement |

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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 | Has the client provided verified concrete compressive strength test results? |  | Passed |  |
| 1.6 | Is the laboratory conducting tests certified by an ISO/17025-accredited body? | - | NA |  |
| **2** | **Formwork** | | | |
| 2.1 | Are the forms clean and ready for pouring concrete? | - | Passed |  |
| 2.2 | Is the formwork assembly stable due to the different loads? | - | Passed |  |
| 2.3 | Were Concrete covers maintained as per approved drawings? | - | Passed |  |
| 3 | **Steel Reinforcement** | | | |
| 3.1 | Are the longitudinal reinforcement diameter and number executed as per the construction drawing? | - | Passed |  |
| 3.2 | Was the Water-stop installed as per the drawings? | - | Passed |  |
| 3.3 | Is the length of splices according to the SBC specifications? | - | Passed |  |
| 3.4 | Is the anchorage length of steel reinforcement at the corners of the retaining walls according to the SBC specifications? | - | Passed |  |
| 3.5 | Is the steel reinforcement free from rust, oil, and contaminants? | - | Passed |  |
| 3.6 | Are the tie wires installed as required? | - | Passed |  |
| 3.7 | Are the bends bars within the radius and tolerance uniformly made? | - | Passed |  |
| 3.8 | Is the thickness of the Retaining walls complying with the construction plans? | - | Passed |  |
| 3.9 | Do the diameter, quantity, direction, and spacing of the additional longitudinal reinforcement at intersections, openings, and corners comply with the plans? | - | Passed |  |
| 3.10 | Are the pipe sleeves installed as per engineering principles? | - | Passed |  |
| 3.11 | Are the horizontal reinforcement diameter and number executed as per the construction drawing? | - | Passed |  |

Risk Assessment

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| **the horizontal reinforcement diameter and number are executed as per the construction drawing**   **Passed** |
| **Additional steel reinforcement comply with construction plans**   **Passed** |
| **Retaining wall thickness**   **Passed** |
| **Bent bars**   **Passed** |
| **The Anchorage length of the retaining walls steel reinforcement at corners**   **Passed** |
| **The splice length**   **Passed** |
| **Was the Water-stop installed as per the drawings?**   **Passed** |
| **the longitudinal reinforcement diameter and number are executed as per the construction drawing**   **Passed** |
| **Concrete Cover**   **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: | | |