

Inspection and test plan – Crushed Rock Placement (Crushed Rock Paving, Base and Sub-Base)

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| **Project no.** | | CC0398 | **Project name** | VIVA ULSG | |  | **Date** | 05/04/2024 | **Approved by** | Ari Birch |
| **ITP no.** | 03 |  | **Revision no.** | 1 | **Revision date** | 26/06/2024 | **Plant and equipment used** | |  |  |
| **Lot no.** |  |  | **Location (chainages, detailed description or marked up plan)** | | | | | |  |  |

Attach Dockets, Certificates and QA Documents to ITP

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|  | | | | | **Verification of acceptance by** | | | | **Remarks / record (eg. test frequency, reports, certificates, checklist etc)** |
| **Symal Infrastructure** | | **VIVA** | |
| **Item no.** | **Activity** | **Ref docs** | **Acceptance criteria** | **Acceptance** | **Key** | **Sign date** | **Key** | **Sign date** |
| **1.0 Preliminaries** | | | | | | | | | |
| **1.1** | Determine lot size | 235929-000- CV-SP-002 | Lot sizes is determined by the lesser of: One day’s production or 4000m2 | m2 | S |  | S |  | * Lot Mark-Up |
| Maximum lot size = 4000m2 |
| **1.2** | Survey set-out | IFC  Drawings | Is the work area clearly pegged out for line and level? | * Yes ☐ No ☐ N/A | W |  | S |  |  |
| **1.3** | Material classification and source | 235929-000- CV-SP-002 | Has the nominated materials been approved for use on the project? | * Yes ☐ No ☐ N/A | H |  | H |  | * iDocs Approval Document   iDocs Number |
| **2.0 Conformance of previous layer** | | | | | | | | | |
| **2.1** | Conformance of previous layer |  | Has the previous layer passed acceptance criteria? | * Yes ☐ No ☐ N/A | H |  | H |  | * ITP Number |
| **Type of Pavement:**  For Crushed Rock Placement Below Concrete Pavement Refer to Section 3.0 For Crushed Rock Placement for Gravel Pavement Refer to Section 4.0  If multiple pavement types exist please complete as applicable Please strikeout not applicable sections | | | | | | | | | |
| **3.0 Crushed Rock Placement Below Concrete Paving** | | | | | | | | | |

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| **3.1** | Placement | IFC  Drawings 235929-000- CV-SP-002 | Has Class 2 Crushed Rock been placed to be a minimum of 250mm Thick as per IFC Drawings?  Crushed Rock Layers must not exceed 250mm thick lifts if additional Crushed Rock is required. | * Yes ☐ No ☐ N/A | | S |  | S |  |  |
| **3.2** | Moisture | IFC  Drawings 235929-000- CV-SP-002 | Has the material maintained at optimum moisture content (>85%), with additional water being added if required during compaction? | * Yes ☐ No ☐ N/A | | S |  | S |  |  |
| **3.3** | Compaction | IFC  Drawings 235929-000- CV-SP-002  DoT 304.09  DoT 304.11  DoT 304.121 | Compaction Testing is to be completed at 3 tests per lot to the below requirements:   * 98% MDD    +-3% of Modified Moisture Content  If testing of the first 3 consecutive lots have achieved the above requirements testing is to be reduced to testing per 2 lots until such time that a lot fails to meet the specified requirements. | * Yes ☐ No ☐ N/A | | H |  | S |  | * Compaction test reports |
| **3.5** | Test rolling | IFC  Drawings 235929-000- CV-SP-002 | Does the layer withstand test rolling without visible deformation?  List attendees: | ☒ Yes ☐ No ☐ N/A If ‘no’ please see below  If ‘yes’ please proceed | | H |  | W |  | * Proof Roll Sheet |
| **3.6** | Identification of soft wet or unstable material | IFC  Drawings 235929-000- CV-SP-002 | What quantity of soft, wet or unstable material is present? |  | * Yes ☐ No ☐   N/A | H |  | W |  |  |
|  |
| **3.7** | Treatment of unsuitable material | IFC  Drawings 235929-000- CV-SP-002 | Has the nominated soft/wet spot been rectified by a remove and replace method? | * Yes ☐ No ☐ N/A | | H |  | W |  |  |

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| **3.8** | Placement of Polythene Membrane | IFC  Drawings | Has the Polythene Membrane been installed above the completed Crushed Rock layer? | * Yes ☐ No ☐ N/A | S |  | S |  |  |
| **4.0 Crushed Rock Paving** | | | | | | | | | |
| **4.1** | Placement of Geogrid | IFC  Drawings | Has Geogrid been installed where non-paved areas have been excavated? | * Yes ☐ No ☐ N/A | W |  | S |  | * Material Approval |
| **4.2** | Placement of Crushed Rock | IFC  Drawings 235929-000- CV-SP-002 | Has 20mm Class 3 Crushed Rock been placed to be 400mm thick?  Crushed Rock Layers must not exceed 250mm thick | * Yes ☐ No ☐ N/A | S |  | S |  |  |
| **4.3** | Moisture | IFC  Drawings 235929-000- CV-SP-002 | Has the material maintained at optimum moisture content (>85%), with additional water being added if required during compaction? | * Yes ☐ No ☐ N/A | S |  | S |  |  |
| **4.4** | Compaction | IFC  Drawings 235929-000- CV-SP-002  DoT 304.09  DoT 304.11  DoT 304.121 | Compaction Testing is to be completed at 3 tests per lot to the below requirements:   * 100% Standard Compaction    +-3% of Modified Moisture Content  If testing of the first 3 consecutive lots have achieved the above requirements testing is to be reduced to testing per 2 lots until such time that a lot fails to meet the specified requirements. | * Yes ☐ No ☐ N/A | H |  | S |  | * Compaction test reports |
| **4.5** | Test rolling | IFC  Drawings 235929-000- CV-SP-002 | Does the layer withstand test rolling without visible deformation?  List attendees: | * Yes ☐ No ☐ N/A If ‘no’ please see   below  If ‘yes’ please proceed | H |  | W |  | * Proof Roll Sheet |

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| **Item no.** | **Activity** | **Ref docs** | **Acceptance criteria** | **Acceptance** | **Key** | **Sign date** | **Key** | **Sign date** |
| **4.6** | Identification of soft wet or unstable material | IFC  Drawings 235929-000- CV-SP-002 | What quantity of soft, wet or unstable material is present? | m2 |  |  |  |  | * Photos |
| **4.7** | Treatment of unsuitable material | IFC  Drawings 235929-000- CV-SP-002 | Has the nominated soft/wet spot been rectified by a remove and replace method? | * Yes ☐ No ☐ N/A |  |  |  |  | * Proof Roll Sheet |
| **5.0 Conformance check** | | | | | | | | | |
| **5.1** | Pavement finish | IFC  Drawings  235929-000- CV-SP-002 | Has the crushed rock layer been finished to a smooth and uniform surface? | * Yes ☐ No ☐ N/A | W |  |  |  |  |
| **5.2** | Surface level of pavement courses | IFC  Drawings 235929-000- CV-SP-002 | Has the prepared layer been surveyed in accordance with and verifying specified requirements?  **Tolerance:** +-15mm | * Yes ☐ No ☐ N/A | H |  | H |  | * As built reports |
| **Comments**: | | | | | | | | | |

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| **Lot acceptance:** |  |  |
| Symal Infrastructure representative name |  | VIVA/MDR representative name |
| Symal Infrastructure representative signature |  | VIVA/MDR representative signature |

**Inspection key: W –** Witness, **H –** Hold Point, **S -** Surveillance