Kerb & Channel

Hayden Brett

Created Tue, 16 Jan 2024, 3:48 PM (UTC+11)

Subcontractor (if applicable)

ITP Details:

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| **Client** | **Construction Process** | **Contract Number:** | **Speciﬁcations** | **Structure / Component** | **Prepared By** | **Approved By** |
| *Regional Roads Victoria* | Kerb & Channel |  | *Vicroads Speciﬁcation Section 173, 175, 205,*  *210, 290, 304, 702 and*  *720, VR Code of Practice 500.2* | Drainage |  |  |

Project Location Lot No:

Lot details

Lot size/Quantity:

**Date** Start: - End: -

Legend:





1. **Preliminary Works**

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| **Task/Activity Description** | **Acceptance Criteria** | **Reference Documents** | **Method & Record of conformity** | **Responsibility** | **Signature** | **Comments** |
| **1.1** Check for correct documentation | Ensure that all employees and subcontractors are: | Vicroads std sec 100.6 | **Method**: Drawing Register | IHP |  |  |
|  |  |  |  | Site Supervisor |
| **Frequency**  Prior to commencing any activity | -using the correct and complete set of drawings |  |  |  |
|  | -all drawings are the latest revision |  | **Record**: Signed ITP |  |

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| **Task/Activity Description** | **Acceptance Criteria** | **Reference Documents** | **Method & Record of conformity** | **Responsibility** | **Signature** | **Comments** |
| **1.2** Implementation of all measures and controls  **Frequency** | All necessary measures and controls are being implemented, that is:  EMP, TMP & SWMS. | EMP, TMP & SWMS | **Method**: Visual Inspection | IP  SWA Project Manager |  |  |
|  |  |  |  | Site Supervisor |
| Prior to commencing any  activity |  |  |  |  |
|  |  |  | **Record**: Signed ITP |  |
| **1.3** Setting Out  **Frequency**  Prior to commencing any activity | Chainage locations clearly identiﬁed for extent of kerb and channel by qualiﬁed surveyor. | Vicroads std sec 703.13 | **Method**: Survey Setout  **Record**: Signed ITP | IP  SWA Project Manager Site Supervisor |  |  |
|  | Oﬀset for lip of kerb alignment shall be set minimum of 1m from Back of Kerb (BOK) and with ﬁnished heights indicated on survey peg. |  |  |  |

1. **Construction works**

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| **Task/Activity Description** | **Acceptance Criteria** | **Reference Document s** | **Inspection method & Record of conformity** | **Responsib ility** | **Signature 1** | **Reports** | **Photos** | **Comments** |
| **2.1** Excavation  **Frequency**:Check prior to placing material | The base preparation for kerb and channel shall consist of a boxed out area to a depth of 355mm below FL and 1150mm wide.  Excavation shall not extend more than 150mm from the edge of the adjacent face. | Vicroads std sec 703.20 | **Method**: Survey/Site Inspection  **Record**: Signed ITP | IP  SWA  Project Manager  Site Supervisor |  |  |  |  |
| **2.2** Subgrade Inspection  **Frequency**:Check prior to placing material | Test roll subgrade to check for No visual deformation or springing. Where deformation is exhibited, the Engineer or Superintendent is to be notiﬁed immediately. | Vicroads std sec 173.03  173.03 (ii) | **Method**: Visual Inspection  **Record**: Signed ITP | IP  SWA  Project Manager  Site Supervisor |  |  |  |  |
| **2.3** Bedding Preparation  **Frequency**:Each lot as required | Bedding material to be used for base preparation shall consist of size 20mm Class 3 or Class 4 crushed rock at a minimum of 100mm  compacted thickness. | VcRoads Std Specs 703.21 | **Method**: Site Inspection  **Record**: Signed ITP | IP  SWA  Project Manager |  |  |  |  |
|  | Preparation of ﬁnished base shall be 190mm below lip of kerb as per survey marks. |  |  | Site Supervisor |

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| **Task/Activity Description** | **Acceptance Criteria** | **Reference Document s** | **Inspection method & Record of conformity** | **Responsib ility** | **Signature 1** | **Reports** | **Photos** | **Comments** |
| **2.4** Kerb Concrete Mixture/Strength  **Frequency**:Each lot as required | Traﬃc routes a minimum of or equivalent to 320kg of cementitious binder material or geopolymer binder per m3 of  concrete – VR 330/32 | VcRoads Std Specs 703.05  703.11 | **Method**: Delivery Dockets | IP  SWA  Project Manager |  |  |  |  |
|  |  |  | **Record**: Signed ITP | Site Supervisor |
| **2.5** Tolerances on Line, Level & Shape  **Frequency**:Each lot as required | All surfaces shall be ﬁnished in conformity with the lines, grades, thicknesses and cross sections shown on the drawings or as speciﬁed. Kerb and channel shall be constructed to the level of the adjoining pavement with a tolerance of 0 to +10mm. Except on curves or in shaped areas, the deviation of the ﬁnished work from a 3m straight edge shall not exceed 5mm at any point. | VcRoads Std Specs 703.15 | **Method**: Visual Inspection  **Record**: Signed ITP | IHP  SWA  Project Manager  Site Supervisor |  |  |  |  |

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| **Task/Activity Description** | **Acceptance Criteria** | **Reference Document s** | **Inspection method & Record of conformity** | **Responsib ility** | **Signature 1** | **Reports** | **Photos** | **Comments** |
| **2.6** Kerb and Channel Finish  **Frequency**:Each lot as required | All edging shall consist of a smooth, uniformed and of a trowel ﬁnish. The mortar used shall consist of two parts of ﬁne aggregate, one part cement and suﬃcient water to produce a mix of suitable consistency.  Thickness of the rendering shall not exceed 3mm. | VcRoads Std Specs  703.21 (a) | **Method**: Visual Inspection  **Record**: Signed ITP | IHP  SWA  Project Manager  Site Supervisor |  |  |  |  |
| **2.7** Kerb Backﬁll  **Frequency**:Each lot as required | Once concrete has cured, topsoil which is free from perishable matter, shall be placed ﬁrmly compacted in layers less than 150mm thick and to a width of no less than 300mm behind the edging to the top of the edging. | VcRoads Std Specs 703.29 | **Method**: Visual Inspection  **Record**: Signed ITP | IHP  SWA  Project Manager  Site Supervisor |  |  |  |  |

1. **Testing Requirements**

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| **Task/Activity Description** | **Acceptance Criteria** | **Reference Document s** | **Inspection method & Record of conformity** | **Responsib ility** | **Signature** | **Attachments** | **Photos** | **Comments** |
| **3.1** Compaction Testing  **Frequency**:Each lot as required | For work to be tested for compliance with Scale A or Scale B requirements, the number of tests per lot shall be six. A small lot is classed as an area equivalent to or less than 500m2 and requires only 3 individual tests.  Compaction testing for crushed rock material shall be no less than 98%. | Vicroads std sec  304.08 (b)  Table 304.081  173.04 (d) | **Method**: Test Point  **Record**: Signed ITP | TP  External Geo tester  **HP**  SWA  Project Manager  **AP**  RRV  Superinten dent |  |  |  |  |
| **3.2** Conformance Testing for concrete strength & consistency.  **Frequency**:Each lot as required | The minimum compression strength requirements for each strength grade shall be as shown in Table 703.111 | Vicroads std sec Table 703.111 | **Method**: Survey Report  **Record**: Signed ITP & Test Reports | TP  External Surveyor  **HP**  SWA  Project Manager  **AP**  RRV  Superinten dent |  |  |  |  |

Photo and video

Final Inspection Notes

Project Team signature -

Photo and video

Final Inspection Notes

Client Signature -