**Inspection and Test Plan – In situ Kerb and Channel**

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| **Project no.** | | CC0371 | **Project name** | Parkville Urban Realm Works | | **Date** |  | | **Approved by** |  |
| **ITP no.** | 5 | | **Revision date** | 12/10/2022 | **Plant and equipment used** | | |  | | |
| **Lot no.** |  | | **Location (chainages, detailed description or marked up plan)** | | | | | Refer to attached lot map | | |

Attach Dockets, Certificates and QA Documents to ITP

|  |  |  |  |  | **Verification of acceptance by** | | | | | **Remarks/record (eg. Test frequency reports, certificates, checklist etc)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **Symal** | | | **CYP D&C JV** | |
| **Item no.** | **Activity** | **Ref docs** | **Acceptance criteria** | **Freq** | **Key** | **Resp** | **Initial/ date** | **Key** | **Sign/ date** |
| **1.0 Pre-start activities** | | | | | | | | | | |
| **1.1** | Determine lot size | Lot map | One lot per days production. To be marked up on lot map. | Prior to start of works | W | PE |  |  |  | Lot map |
| **1.2** | Concrete mix design approvals | VR Clause 703.05 (b)  703.11 | Concrete used in kerb extrusion machines shall have a minimum cementitious material content in the finished concrete as follows:   * a minimum of 320 kg of cementitious material for traffic routes * a minimum of 280kg of cementitious material for local streets   **Concrete mix designs approved by CYP D&C JV?**  Yes  No  N/A | Prior to start of works | H | SE |  |  |  | Delivery Dockets: Concrete  CYP Material Approval |
| **1.3** | Survey set out | VR Clause 703.17  IFC Drawings | All works shall be set out in accordance with the drawings and as specified.  The Superintendent will review and confirm the set out. The work shall be constructed in accordance with the confirmed set out to the line and level and cross-sectional profiles as shown on the drawings. | Each lot | **H** | SE |  | **H** |  |  |
| **2.0 Construction** | | | | | | | | | | |
| **2.1** | Machine extrusion | VR Clause 703.23 | Concrete shall be fed to the machine at a uniform rate. Surfaces shall be free from surface pitting larger than 5 mm diameter. | Each lot | S | SE |  |  |  | Site photos |
| **2.2** | Profile transitions and matching existing sections | VR Clause 703.24  SD2102 | Where it is necessary to join to an existing section of profile different from that being constructed, the change of profile shall be made at a constant rate between 10 and 20 mm per metre. Transitions between different profiles shall be made in accordance with the drawings.  **Are the profile transitions acceptable?**  Yes  No  N/A | Each lot | R | SE |  |  |  |  |
| **2.3** | Surface Finish | VR Clause 703.25 | All edgings shall be rendered and have a steel trowel finish. Visible concrete surfaces to have class 3 finish. Hidden surfaces may have a class 4 finish.  **Is the surface finish acceptable?**  Yes  No  N/A | Each lot | I | SE |  |  |  |  |
| **2.4** | Joints | VR Clause 703.26 | Transverse joints shall be constructed at regular intervals not exceeding 2.5 m. The resultant slot in the edging shall be tooled to a depth of 20 mm to produce a neat groove not less than 5 mm wide on the exposed surfaces.  Expansion joints shall be placed at junctions with bridges and shall be 15 mm wide and filled with cork or bituminous impregnated particle board strip extending for the full width and full depth of the edging.  **Are joints installed and comply with all specifications?**  Yes  No  N/A | Each lot | R | SE |  |  |  |  |
| **2.5** | Curing & Protection of Concrete | VR Clause 703.10  703.27 | Freshly finished exposed concrete surfaces shall be protected from rain or damage from other sources, until hard set has occurred.  All concrete shall be protected from damage from early loading by pedestrians, animals, vehicles and from rain or any other cause.  **Are finished curbs protected and free from damage?**  Yes  No  N/A | Each lot | S | SE |  |  |  |  |
| **2.6** | Repair of damaged kerb and channel | VR Clause 703.30 | For damaged kerb and channel and edgings, a length of at least 1 m shall be removed and the replacement section shall be:   1. constructed on compacted bedding; 2. dowelled into the adjoining sections with 12 mm diameter hot dip galvanised dowels embedded at least 100 mm each side of the joint; and 3. shaped and finished with curved trowels to match the profile and surface finish of adjoining sections   **Is all damage to curbs repaired in line with specifications?**  Yes  No  N/A | Each lot (if required) | I | SE |  |  |  |  |
| **3.0 Completion** | | | | | | | | | | |
| **3.1** | As Built Survey | VR Clause 703.15 | Concrete paving including footpaths, edgings, other surfaces and shared use paths shall be shaped to match existing fixtures, e.g. pit covers, edgings and vehicle crossings, within 5 mm.  Kerb and channel shall be constructed to the level of the adjoining pavement with a tolerance of 0 to +10 mm. Except on curves or in shaped areas, the deviation of the finished work from a 3 m straightedge shall not exceed 5 mm at any point. | Each lot | R | SE |  | R |  |  |
| **3.2** | Product Non-Conformance | QMP | All Product Non-Conformance(s) recorded and closed (if applicable) | Each lot | R | SE |  |  |  | NCR No:………………  NCR reports |

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| **Works complete (signer SS)** | |  | | | **Date works complete** | |  | | | |
| **Lot conforms (signer PE)** |  | | **Date lot closed** |  | | **NCR/s no. raised** | |  | **Date NCR closed for this lot** |  |

**Responsibility (Resp.) Key**: **PM**-Project Manager, **PE**-Project Engineer, **SE**- Site Engineer, **CS**-Civil Superintendent, **SS**-Site Supervisor, **SV**-Surveyor, **CR**-Client Representative

**SI -** Superintendent

**Inspection Key: W –** Witness, **H –** Hold Point, **S –** Surveillance, **R –** Review Point, **I –** Inspection Point