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| ITP Number | ITP-1 | Rev 7 |
| ITP prepared by | Mark Geschke | 02-09-2022 |
| ITP reviewed CYP |  |  |



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| INSPECTION TEST PLAN |

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| Project: | CYP Domain Station St Kilda Road |
| Service: | Main Civil Works Drainage |
| Subcontractor: | DELTA GROUP - GESCHKE PTY LTD (“GPL”) |

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| **PROJECT INSPECTION TEST PLAN REQUIREMENTS:** | |
| **Hold Point:** | Works under the contract are not permitted to progress beyond a Hold Point. |
| **Witness Point:** | A Witness Point is a nominated point in the design, and construction process at which the appointed inspector or approver under this ITP may review, witness, inspect the item in question |
| **Records:** | All records are to be available on site in hard-copy format for QA audits by the Contractor, and in electronic scanned copies (PDF format). |

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| **Drawing Reference** |  | | | |
| **Zone Number** |  | | | |
|  | | **Pit number** | **Pit number** | **Pipe size** |
| **Pit to Pit reference** | |  |  |  |

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| **PROJECT KEY PERSONEL:** |
| Contractor Authorised Representative |
| Subcontractor Authorised Representative |
| Engineer |
| Foreman |

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| **PROJECT:** | The works covered by this Inspection Test Plan are as presented in the Infrastructure Works Subcontract, on the drawings and within this Inspection Test Plan. This Inspection Test Plan is to be read in conjunction with drawing and specification recommendations.  Geschke plumbing have been contracted to construct stormwater drainage as part of Delta Group scope of works. |
| **SCOPE:** | Construction of stormwater drainage including; stormwater pipe work, pits & GPTs |

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| Ref | Description of Inspection/Test/Approval | Stage/Frequency | Records | Specification/Standard | Acceptance Criteria | Inspection/Test Procedure | Hold or Witness Point | Geschke  Sign off | Delta  Sign off | CYP  Sign off | Yarra Trams Sign Off |
| 5.01 | Check Set out/ Conformity with Drawings | Prior to commencement | N/a | Latest drawing available in line with Vic Roads Sec701.05 | - Datum point is marked in accessible area by Delta Surveyor. -acceptable tolerances as per 701.05 | N/a | witness |  |  |  |  |
| 5.02 | Pipe work Materials | Prior to commencement | Delivery Dockets by Delta | N/a | Ensure pipe work is ready and client delivers pipe work to work zone | N/a | witness |  |  |  |  |
| 5.03 | Excavation | Prior & during construction | Visual & photo evidence | Vic Roads Sec701.101 | -As per minimum horizontal clearances in table 701.101 | Visual | witness |  |  |  |  |
| 5.04 | Pipe Bedding | Pit to Pit | Visual & photo evidence | Vic Roads Sec701.11 | -Minimum bedding as per 701.11  -no less than 100mm bedding via vibration plate | Visual | witness |  |  |  |  |
| 5.05 | Laying | During construction | Visual & photo evidence | Vic Roads Sec701.12 laying | - Rebate and socket ends of pipe sections shall be placed facing upstream and be fully entered as per Vic Roads Sec701.12(b) | Visual | witness |  |  |  |  |
| 5.06 | Backfill of material | Pit to Pit | Visual & photo evidence  Select backfill to be used | Vic Roads Sec 701.15 Bedding and backfill materials shall be placed and compacted in layers not exceeding 150 mm loose thickness. | -Acceptance will be via compaction test ITP ref 5.07  -Cover 300mm above pipe  -Backfill to be in 150mm loose layers. | Visual | witness |  |  |  |  |
| 5.07 | Compaction testing of backfill material | In reference to Vic Roads Acceptance of Field Compaction & Vic Roads 701 we are defining a “lot” at 50 lin mtrs, and 3 test per 50l/mtrs | Test report by Geotech advisor | Vic Roads Acceptance of Field compaction RC500.05 June 2017 Code of practice 2.2 Selection of lot. | -Terra Firma test pass based on 95%MDD | Terra Firma test results | witness |  |  |  |  |
| 5.08 | Pipe bandages around external connection of pit to pit, and internal final patch of pipe to pit. | Each pit | Photos of external and internal pit walls | Relevant authority construction details | Visual Inspection – Photos | Photos | witness |  |  |  |  |
| 5.09 | CCTV | All drainage lines constructed shall be inspected, via CCTV for internal review of pipe | CCTV video to be submitted | Vic Roads 701.24 Inspection of drainage lines beneath pavements | -Sign off after vision is viewed. | CCTV vision | witness |  |  |  |  |
| 5.10 | Final As-Built | As required to get accurate as built information, typically pit to pit post installation. | As Built | N/a | -Show line, grade and position of pipework and pits. | -As Built Provided by Delta | witness |  |  |  |  |

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| **FINAL SIGN OFF** |

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| Company | Name | Title | Signature | Final Comments | Date |
| Description: geschke logo may 2008.jpg |  |  |  |  |  |
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