|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GENERAL DETAILS Enter “N/A” for non-applicable fields. | | | | | | | | | | | | | | | | | | | | | | | |
| ITR Number: | | | 561482-DOW-ITR-EL-0002 | | | | | | | ITP Number: | | | | | | N/a | | | | | | | |
| Project Name: | | | Pump Station Renewals – Silverstream Pumps | | | | | | | Contract/ Project No: | | | | | | 561482 | | | | | | | |
| Area: | | | Silverstream Pumps | | | | | | | Sub-System: | | | | | | Pumps | | | | | | | |
| Reference Drawing: | | |  | | | | | | | Discipline: | | | | | | EICA | | | | | | | |
| Work Pack Number: | | | N/A | | | | | | | Lot Number: | | | | | | N/A | | | | | | | |
| Cable Number: | | | TBC | | | | | | | Cable Specification: | | | | | | 50mm 3c+e Circular | | | | | | | |
| Source: | | | Site MCC | | | | | | | Destination: | | | | | | Pump 3 VSD | | | | | | | |
| Standards: | | | AS/NZS 3000, AS/NSZ 3008.1.1:2017, AS/NZS 4836 and AS/NZS 3017 | | | | | | | | | | | | | | | | | | | | |
| INSPECTION | | | | | | | | | | | | | | | | | | | | | | | |
| Ensure circuits are de-energised before connecting test equipment. ELV and comms cables must not be insulation resistance tested. | | | | | | | | | | | | | | | | | | | | | | | |
| **Item** | **Description** | | | | | | | | | | | | | | | | | | | **Yes** | | **No** | **N/A** |
|  | Cable size and type correct | | | | | | | | | | | | | | | | | | |  | |  |  |
|  | Cores terminated as per drawing & terminals tight | | | | | | | | | | | | | | | | | | |  | |  |  |
|  | Cable numbered correctly and applied at both ends | | | | | | | | | | | | | | | | | | |  | |  |  |
|  | Permanent core markers attached both ends | | | | | | | | | | | | | | | | | | |  | |  |  |
|  | Cable supported and protected as per specification | | | | | | | | | | | | | | | | | | |  | |  |  |
|  | Continuity of earth conductor/ screen satisfactory | | | | | | | | | | | | | | | | | | |  | |  |  |
|  | Cable ties trimmed | | | | | | | | | | | | | | | | | | |  | |  |  |
|  | Connection of shielding/ armour as per drawings | | | | | | | | | | | | | | | | | | |  | |  |  |
|  | Cable ends made up satisfactorily | | | | | | | | | | | | | | | | | | |  | |  |  |
|  | Protective earth complies with Table 3.2 AS/NZS 3017 | | | | | | | | | | | | | | | | | | |  | |  |  |
| **Field Test** | | | | | | | | | | | | | | | | | | | | | | | |
| Core Designation: | | | | R-E | W-E | B-E | | | R-W | | R-B | W-B | |  | | |  | | Cable Size: | | | | |
| Results - MΩ | | | | Ω | Ω | Ω | | | Ω | | Ω | Ω | |  | | |  | | E Continuity: Ω | | | | |
|  | | | |  |  |  | | |  | |  |  | |  | | |  | | Lead Resistance: Ω | | | | |
| Core Designation: | | | | R-E | W-E | B-E | | | R-W | | R-B | W-B | |  | | |  | | Cable Size: | | | | |
| Results - MΩ | | | | Ω | Ω | Ω | | | Ω | | Ω | Ω | |  | | |  | | E Continuity: Ω | | | | |
|  | | | |  |  |  | | |  | |  |  | |  | | |  | | Lead Resistance: Ω | | | | |
| **Completion** | | | | | | | | | | | | | | | | | | | | | | | |
| **Item** | **Description** | | | | | | | | | | | | | | | | | | | **Yes** | | **No** | **N/A** |
|  | All cores reconnected and secure | | | | | | | | | | | | | | | | | | |  | |  |  |
|  | Source connection tension – Nm | | | | | | | | | | | | | | | | | | |  | |  |  |
|  | Destination connection tension – Nm | | | | | | | | | | | | | | | | | | |  | |  |  |
|  | All connections visually and physically checked | | | | | | | | | | | | | | | | | | |  | |  |  |
|  | All test leads and bridges removed | | | | | | | | | | | | | | | | | | |  | |  |  |
|  | Drawings & schedules marked up to ‘As Built’ status | | | | | | | | | | | | | | | | | | |  | |  |  |
| verification | | | | | | | | | | | | | | | | | | | | | | | |
| Deficiencies Identified: (Select one) | | | | | | |  | Rectified/ Closed-Out | | | | |  | | Punch Listed | | | | | | | | |
| TEST EQUIPMENT | | | | | | | | | | | | | | | | | | | | | | | |
| **Type of Meter** | | | | **Make/ Model** | | | | | | **Serial No.** | | | | | | | | **Calibration** | | | | | |
| **Date** | | | **Due** | | |
| Continuity | | | | Fluke Multifunction | | | | | |  | | | | | | | |  | | |  | | |
| Insulation Resistance | | | | Fluke Multifunction | | | | | |  | | | | | | | |  | | |  | | |
| Torque Wrench | | | |  | | | | | |  | | | | | | | |  | | |  | | |
| comments | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | |
| ACCEPTANCE | | | | | | | | | | | | | | | | | | | | | | | |
| I hereby confirm the work has been completed in accordance with contract specified/ referenced drawings, technical specifications, and standards. | | | | | | | | | | | | | | | | | | | | | | | |
| **Inspection/ Verification Company** | | | | | | | **Name** (Capitals) | | | | | | **Signature** | | | | | | | | **Date** | | |
| Inspection By: | | Downer | | | | |  | | | | | |  | | | | | | | |  | | |
| Verified By: | | Downer | | | | |  | | | | | |  | | | | | | | |  | | |