| **Item**  **No.** | **Task/Activity Description** | | | **Inspection/Test** | | | | | **HP/ WP/ AP/IP/ TP/ SCP** | **Responsibility** | **Comments** | **Checked by:** | |  | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Frequency** | **Acceptance Criteria** | **Reference Documents** | **Inspection /Test Method** | **Conformance Record** | **Client** | **Fulton Hogan** | **Date** | |
| 1. **Preliminaries and Submissions** | | | | | | | | | | | | | | | |
| 1.1 | Check for correct documentation | | | Before commencement of activity | Check correct documentation is being utilized | Drawings | Current revision of drawing | Current revision of drawing | \*HP | Fulton Hogan |  | N/A |  |  | |
| 1.2 | Ensure Safety, Traffic, Quality & Environmental management measures are in place | | | Prior to commencement of activity. | Safety plan, traffic management plan and environmental management plan | PSP, TMP, EMP | Ensure all measures in place as per plan | Inspection | HP | Fulton Hogan/Client |  |  |  |  | |
| 1.3 | Stockpiling | | | Prior to removing material | Confirmation of stockpile location approved by superintendent. | FH Scope document, EMP | Approval | ITP | WP | Client/ Fulton Hogan |  |  |  |  | |
| 1.4 | Identification of services | | | Prior to commencement | Any existence of underground services to be located and proven | BYDA Section 100.8 | Inspection | ITP | HP | Fulton Hogan |  | N/A |  |  | |
| 1.5 | Project management Plan Completed | | | Prior to commencement | PMP Completed | PMP checklist completed | Inspection | ITP | HP | Fulton Hogan/Client |  |  |  |  | |
| 1.6 | Site set out | | | Prior to commencement | Site inspection | Scope document  Drawing 796684 | Site inspection | ITP | HP | Client/ Fulton Hogan |  |  |  |  | |
| 1.7 | Ground breaking | | | Prior to excavation | Works to be reviewed and agreed by Superintendent | Hold Point release for Commencement of Works Letter | Inspection | ITP | HP | Client |  |  |  |  | |
| 1.8 | Landowner Agreement with property owner | | | Prior to breaking ground | Letter to be signed | Signed landowner agreement | Hold point | ITP | HP\* | Fulton Hogan |  | N/A |  |  | |
| 1.9 | Environmental controls | | | Prior to commencement | Environmental controls installed and maintained as per EMP.  GBCMA working on waterways permit received | EMP | Inspection | ITP | HP\* | Fulton Hogan |  | N/A |  |  | |
| 1. **Site Access / Rock Fill / Wingwall Repairs** | | | | | | | | | | | | | | | |
| 2.1 | Control of water through site | | | Prior to excavation of toe | Dewatering and earth bund to be confirmed on site | Environmental Management plan | Site inspection | ITP | IP | Client and Fulton Hogan |  |  |  |  | |
| 2.2 | Tree removal | | | Prior to commencement | Trees for removal marked out and approved for removal | Environmental Management plan  DEECA permit | Site Inspection  Permit | ITP  Permit | HP | Client and Fulton Hogan |  |  |  |  | |
| 2.3 | Site Benching/ access track | | | Prior to commencement | Adequate benching and site access track constructed | Scope document | Inspection | ITP | IP | Fulton Hogan |  | N/A |  |  | |
| 2.4 | Fill Material | | | Prior to placement | Suitable Type A Fill material used for placement behind upstream wingwall.  Vic Roads accreditation letter and relevant test results received for Type A fill material | Scope document  Drawing | Inspection | ITP | WP | Fulton Hogan/Client |  |  |  |  | |
| 2.5 | Geofabric | | | Prior to wingwall form and rock placement | Geotextile layer placed under rock beaching and behind wingwall | Drawing | Inspection | ITP | IP | Fulton Hogan |  |  |  |  | |
| 2.6 | Toe Rock Placement (downstream) | | | During the placement of the toe rock | Solid base, Maximum particle sizes 750-1000mm. rock beaching placed in accordance with drawings and spec | Plans  Sec 713 | Inspection | ITP | IP | Client/ Fulton Hogan |  |  |  |  | |
| 2.7 | Flowable grout | | | During construction | Flowable grout adequately placed to fill void under downstream wingwall | Drawing | Inspection | ITP | HP | Client / Fulton Hogan |  |  |  |  | |
|  | Rock beaching upstream | | | During placement | Acceptance of placement | Plans  Sec 713 | Inspection | ITP | HP | Fulton Hogan |  | N/A |  |  | |
| 3.0 Wingwall | | | | | | | | | | | | | | | |
| 3.1 | Approval of excavation | | | Prior to steelwork | Approval of design excavation toe and acceptable base of excavation | Plans | Inspection | ITP | HP | Client/ Fulton Hogan |  |  |  |  | |
| 3.2 | Approval of steel work | | | Prior to concrete pour | Approval of steelwork for wingwall footing | Plans | Inspection | ITP | HP | Client/ Fulton Hogan |  |  |  |  | |
| 3.3 | Approval of excavation | | | Prior to steelwork | Approval of design excavation toe | Plans | Hold point | ITP | HP | Client/ Fulton Hogan |  |  |  |  | |
| 3.4 | Approval of steel work | | | Prior to concrete pour | Approval of steelwork for wingwall including placement of bitumen fibreboard | Plans | Hold point | ITP | HP | Client/ Fulton Hogan |  |  |  |  | |
| 3.5 | Concrete curing | | | Prior to stripping forms and placing fill | Concrete has undergone adequate curing time and achieved adequate strength | Sec 204  Sec 610 | Inspection | ITP | HP\* | Fulton Hogan |  | N/A |  |  | |
| 3.6 | Concrete strength | | | 7 Days after casting | Concrete exceeds minimum 7 day strength of 26MPa | Sec 610 | Witness | Test result | HP | Client/ Fulton Hogan |  |  |  |  | |
| 3.7 | Concrete strength | | | 28 Days after casting | Concrete exceeds minimum 28 day strength of 40MPa | Sec 610 | Witness | Test result | HP | Client/ Fulton Hogan |  |  |  |  | |
| 4.0 Backfill and Pavement | | | | | | | | | | | | | | | |
| 4.1 | Compaction of Type A Fill | | | During construction | Type A fill achieves minimum 98% density ratio | Sec 204 | Witness | Test Results | HP | Client/ Fulton Hogan |  |  |  |  | |
| 4.2 | Road base inspection | | | Prior to asphalt | Road base approved prior to installation of asphalt. Patch marked out in accordance with approved design | Inspection | ITP | HP\* | HP\* | Fulton Hogan |  | N/A |  |  | |
| 4.3 | Asphalt patch | | | After laying | Asphalt patch completed within tolerance of specification and approved design | Sec 407 | Inspection | ITP | HP | Fulton Hogan / Client |  |  |  |  | |
| 4.4 | Linemarking | | | After installation | Linemarking and RRPMs reinstated accordingly | Sec 721 | Inspection | ITP | HP | Fulton Hogan / Client |  |  |  |  | |
| 4.5 | Guardrail setout | | | Prior to installation | Setout of guardrail confirmed. | Sec 708 | Inspection | ITP | HP | Fulton Hogan / Client |  |  |  |  | |
| 4.6 | Guardrail installation | | | After completion | Guardrail installed within specification  Certificate of Compliance received | Sec 708 | Inspection | ITP | HP | Fulton Hogan / Client |  |  |  |  | |
| 4.7 | Demobilisation | | | At the completion of works | Worksite left clean and tidy.  All outstanding defects rectified | NA | Inspection | ITP | HP | Fulton Hogan / Client |  |  |  |  | |
|  | | | | | | | | | | | | | | | |
|  | HP  HP\*  WP  AP  IP  TP  SCP | | HOLD POINT  FULTON HOGAN INTERNAL HOLD POINT  WITNESS POINT  APPROVAL POINT  INSPECTION POINT  TEST POINT  SURVEY CONFORMANCE POINT | | | | | | | | | | | | |
| **FINAL INSPECTION:** | | This is to verify that the final inspection has been carried out in accordance with the Fulton Hogan’s Quality Procedures and Project Quality Strategy and the product is hereby certified to conform with the contract specifications:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Print Name: |  |  | Position: |  | | Signature: |  |  | Date: |  | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | |  | |