+38.00
+37.00
+36.00
+35.00
+34.00
+33.00
+32.00
+37.00
+ 37.10
+ 37.10
+ 37.10
①
②
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④
⑤

Ivy to be removed carefully throughout full extent of bridge elevation.

Granite capping to match existing. (Salvage 2 no. granite capping stones located onsite. Refer to Detail 2 on WRV-COA-00-ZZ-DR-A-5001

Remove ivy at all locations across bridge elevation.

Cement pointing/plaster to be removed carefully To be re-pointed with lime mortar Architect's specification.

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Ivy to be removed throughout bridge elevation.

S.S lintel to Structural Engineer's detail.

Concrete cascade steps to be removed, reinstated with stone steps in matching size. 1.5m minimum length.

Graft repairs of missing stone sections to match existing.

Bat roosting and bird nesting cavities to be repaired beneath cascades vaults. Refer to Details 6/7 on WRV-COA-00-ZZ-DR-A-5002

Concrete cascade steps to be removed, reinstated with stone steps in matching size. 1.5m minimum length.

Graft repairs of missing stone sections to match existing.

Existing stone steps to be removed, repaired and reinstated to original location.

Graft repairs of missing stone sections to match existing.

Helibar crack repair to Structural Engineer's details Consolidate and re-point.

Scour repair required at bed level of Octagonal basin to Structural Engineer's details.

① Cascade Bridge - East Elevation

Scale 1:25

Scour repair required at steps to Structural Engineer's detail.

Replace missing step sections in matching size. Minimum 1.5m lengths. Refer to Structural Engineer's Detail and Architect's Detail 5 on WRV-COA-00-ZZ-DR-A-5002

Legend

1. **General - Re-pointing (Applies to all surfaces except where noted otherwise).**
   - Strip all existing lime harling and sand / cement render. Stripping to be carried out by conservation stone mason.
   - Fit pinnings.
   - Repair all structural cracks to engineer's specification.
   - Remove all loose brick / stone and rebuild with salvaged material from river bed which appears to be displaced from structure.
   - Joints to be raked out and repointed. See spec. XXX
   - Any stone/brick removed from arch structure, with moss growth attached, to be placed in same the orientation, in order to avoid biodiversity distruption on site.
   - Fill all cavities with liquid grout, before reconstruction of wall. All for 3 litres per 1m2 of reconstruction.

2. **Construct New Wall** 🟦
   - Construct new stone wall to Architect's specification

3. **Construct New Wall & Haunching/Capping Detail** 🟪
   - New stone walling to specification. Repace missing stone and masonry.
   - Stone from Feltrim Quarry, Swords to be used in all repair works.
   - New capping details to be constructed at wall top to Architect's specification and detail.

4. **Consolidation of Wall** 🟩
   - Remove loose stone and reinstate with lime mortar. General re-pointing as per Item 1.

5. **Removal of trees and reconstruction of surrounding wall** 🟥
   - Remove trees from wall including all roots.
   - Wall surrounding trees or tree roots to be taken down with each stone numbered, photographed and reconstructed in accordance with note 2.
   - Extent of visible tree roots indicated within dotted line and red hatch.
   - Fill all cavities with liquid grout during reconstruction of wall. Allow for 3 litres per 1m2 of reconstruction.

Helibar crack repair to Structural Engineer's detail - - - - - - - -

Scale 1:25