

Scottish Canals

Bowling Outer Harbour Wall Repair – Schedule of Works

Mackenzie construction to provide budget cost and programme for the following utilising agreed rates or built up via plant, labour and materials and associated uplift.

Access for plant up to 5T in weight is available via the towpath from Erskine Ferry Swing Bridge

- 1) Temporary works to permit access to works area for plant, materials and operatives
- 2) Temporary works to enable safe access to undertake works
- 3) Removal of 7 no tree stumps and roots
- 4) Underpin 10m lin m of undercut walling with mass concrete beam (500mm x 500mm) as shown in picture 1
- 5) Reinststate 18 square metres of wall - area of works shown in picture 2 – contractor to price on imported stone to match existing and all backfill required. Finished surface to be 100mm deep topsoil to rear of wall
- 6) Removal of tree trunks and roots allow for taking down and reconstruction of walling as required as shown in picture 3
- 7) Placement of rip-rap at toe of wall which is currently unprotected– assume 0.5 cubic metres per metre – allow for all excavation required
- 8) Refurbish existing stone pitching as shown on picture 5
- 9) Indenting at location shown in picture 6 – stone to match existing
- 10) Reinststate 10m of failed cope as shown in picture 7 – provision of matching stone, match coursing and all bakfill required
- 11) Rake out and point with mortar the entire length of walling shown on picture 8

Contractor to provide outline methodology and programme alongwith budget cost for works



Picture 1 – Extent of underpinning required



Picture 2 - Extent of reinstatement required



Picture 3 - Tree removal and wall reconstruction



Picture 4 – Extent of rip rap to prevent undercutting



Picture 5 – Extent of existing stone pitching



Picture 6 - Extent of indenting required



Picture 7 – Parapet reinstatement and tree removal



Picture 8 – Extent of pointing works - areas hatched in blue