



UU Better Rivers

Invasive Species Method Statement Rev 0
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REVIEW / CHANGE LOG			
Date	Reviewer	Comments	Rev No.
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Contents

1 Introduction3
 1.1 Background3
 1.2 Proposed Development3
 1.3 Non-Native Invasive Plant Species Found within the Site.....3
 2 Methodology3
 2.1 Japanese Knotweed.....4
 2.2 Himalayan Balsam..... 4
 Appendix A - Extract from PEA
 Appendix B – Site Layout
 Appendix C – MWS MOP E-009 – Management of Invasive Species

1 Introduction

1.1 Background

This Invasive Species Method Statement sets out how MWS will ensure that works to construct the flood defence scheme will not lead to the spread of invasive non-native species.

1.2 Proposed Development

The Better Rivers Project for United Utilities aims to reduce spills into the river from various CSO's by creating storage on a number of existing CSO structures which allows more storage thus reducing the frequency of spills into the river.

One of the sites is Boothroyden Road CSO and the Preliminary Ecological Assessment (PEA) from the client has identified Japanese Knotweed and Himalayan Balsam on the site.

1.3 Non-Native Invasive Plant Species Found within the Site

- Japanese Knotweed (*Fallopia Japonica*)
- Himalayan balsam (*Impatiens glandulifera*)

2.0 Methodology

- All operatives, site staff and visitors will receive an induction which covers the identification of invasive non-native species known to be found within the site and the procedure for dealing with each species.
- Regular environmental toolbox talks will be held to brief and enforce measures to control the spread of invasive non-native species on the site.
- Due to the constraints of the site, the strategy for dealing with soil containing invasive non-native species plant material will be to dispose of off-site as there are no suitable areas available to stockpile or bury large quantities of this spoil.

2.1 Japanese Knotweed

- Where areas of Japanese knotweed are identified, an exclusion zone will be set up using heras fencing and warning signs erected. The locations will also be highlighted on a site plan and briefed at induction.
- Where Japanese Knotweed has been identified in close proximity to areas disturbed by the works then these works will be strictly controlled.
- Whilst the JK is dormant the areas where it grows shall be flailed to rid the areas of the existing scrub/ brash. The area will then be allowed to "grow". Once JK has established shoot growth it will be treated with herbicide. This will be repeated 6 weeks after this time.
- Where we require excavation close to the Japanese knotweed this shall be carried out under a watching brief. The watching brief shall make sure that any arisings are placed in a sheeted wagon in a controlled manner and any machinery used is subjected to "check clean dry" procedure prior to removal off site.

- The knotweed-containing soils will be disposed of at a licensed landfill facility that has a suitable cell available to receive knotweed-containing soils. Removal from site will be in a sheeted wagon, which will be either lined or thoroughly cleaned after tipping to ensure that no rhizomes remain within it.
- The excavator used to remove the soil will be cleaned with a jet wash following excavation to ensure there is no risk of spread to other areas of the site. Any other equipment, including footwear, will also be cleaned prior to leaving the area.
- The excavation for bridge abutments shall be lined with a Japanese knotweed barrier if required (subject to JK watching brief directions)
- All plant entering the work area will be inspected for cleanliness on arrival to prevent contamination to the site from other sites.
- All plant leaving the site shall be checked and washed with a pressure washer on the CSO side of the bridge prior to leaving site in a designated area.
- All delivery wagons shall be stopped prior to leaving the site/ crossing the bridge and inspected for cleanliness. If required the wheels shall be cleaned using the pressure washer equipment

2.2 Himalayan Balsam (HB)

- Where plant stems are evident in areas affected by the works, the plant stems will be trimmed and the plant arisings will be placed in dumpy bags and then transported to a skip for removal to a suitable licensed landfill.
- Where soil is excavated from areas where HB is present, the soil will also be disposed of to a licensed landfill.
- Plant operating in areas of HB growth will be cleaned down with a jet wash prior to removal from site / to an unaffected area of site to ensure that HB seeds are not spread.

Appendix A – Extract from PEA – Habitat survey at Boothroyden Road



Appendix B – Sketch showing Layout of Boothroyden Road

