

7. c) i) Continued

- Marine grade concrete will be used.
- The following biosecurity measures will be implemented to help protect the local ecology during the works.
 - All plant, machinery and equipment used in the works must be power washed prior to and following their use on site to remove all sediment and organic matter with particular emphasis on tyres, tracks and wheel arches.
 - All plant will use bio-degradable diesel.
 - Thoroughly wash all external clothing and clean footwear and all equipment, tools etc used in the construction and associated works and allow time to dry. All sediment and organic matter must be removed
- At the end of every shift all loose materials and tools will be removed from the tidal area to prevent washing out into the estuary and the working area left secured.
- Whilst the chamber and associated works are being constructed an oil absorbent boom and silt curtain will sit within the bund to minimise the risk of pollution from the construction activities.
- Marine grade timber shuttering shall be used to create the required profile to cast the pipe into the headwall and provide suitable concrete surround to the pipes. The shuttering will be secured into the concrete blinding using resin anchors to prevent movement or flotation from the tide.
- Pre and during environmental assessments will be undertaken by a qualified ecologist to the affected area to ensure there is no adverse impact.
- In the event of a spill on site no matter how minor, site personnel must firstly find the source of the spill and Stop it, then Contain it by using the equipment available in the Spill Response Kit. Then Notify the Agent, Foreman or Engineer of the details of the incident.
- All plant will have bio degradable oil.
- Equipment to be stored on designated drip trays/ bundied areas
- Pre-inspection of working and during for signs of ecological and environmental issues that may need to get addressed.

7. c) ii) Continued

- An approved traffic management plan will be in place and accepted by Ceredigion council.
- Close liaison will be made with local residents and businesses before and during the works.
- A photographic pre-condition survey will be undertaken of the existing area and surrounding buildings.
- The working area is adjacent to the Afon Teifi, close liaison will be made with landowners and NRW (Natural Resources Wales) with a marine license in place prior to works starting.
- The existing pedestrian footpath on the Afon Teifi side of the road will temporarily be diverted throughout the duration of the works to the opposite side of the carriageway.

- Specific reinstatement requirements will all be in agreement with NRW, Ceredigion council and landowners. Following completion of the works, all materials and tools will be removed from the area and the area left safe, neat and tidy.
- Provide signs to highlight the dangers present.
- To reduce noise nuisance for receptors:
 - Ensure all plant has noise reduction measures in place and working correctly i.e. baffles acoustic jackets.
 - Switch off all plant when not in use.
 - Vibration and noise monitoring during certain operations.
 - Pre-condition surveys carried out on surrounding properties.