

<u>Activity</u>	<u>Risks Identified</u>	<u>Design Steps to Eliminate/Control Risk</u>	<u>Further Action Required</u>
<b>1. Piped section of watercourse diversion</b>	<ul style="list-style-type: none"> <li>i) Silt or debris build up within new piped section.</li> <li>ii) Future maintenance for lifetime of the development.</li> </ul>	<ul style="list-style-type: none"> <li>i) Piped system to be designed as an overflow during large storm events only. Inlet of piped system to be elevated above open system to minimise the risk of silt and debris build up during normal dry weather flow.</li> <li>ii) Developer to be responsible for maintenance during construction phase.</li> <li>iii) Following completion of the development, Management Company to be responsible for maintenance for the lifetime of the development.</li> </ul>	<ul style="list-style-type: none"> <li>i) Inspections &amp; maintenance of new system to be carried out by the developer / manage company annually and after major rainfall events for the lifetime of the development.</li> <li>ii) Jet vac to be used to remove any silt build up and ensure the new drainage system is always silt free and operating correctly.</li> <li>iii) Developer to provide CCTV of completed drainage system prior to handover to ensure operating effectively.</li> </ul>
<b>2. Open section of watercourse diversion</b>	<ul style="list-style-type: none"> <li>i) Silt or debris build up within open section of watercourse diversion.</li> <li>ii) Safety grills becoming blocked with debris</li> <li>iii) Future maintenance for lifetime of the development.</li> </ul>	<ul style="list-style-type: none"> <li>i) Watercourse to be lined to improve flow rates and minimise risk of scouring. Lining will also reduce risk of silt build up and blockages within watercourse and avoid the need for grass cutting within the channel.</li> <li>ii) Safety grills to be raised 150mm above channel to allow small debris to pass through headwalls unimpeded during normal dry weather flow.</li> <li>ii) Upstream headwalls to be rake-able for ease of maintenance.</li> <li>ii) Developer to be responsible for maintenance during construction phase.</li> </ul>	<ul style="list-style-type: none"> <li>i) Inspections &amp; maintenance of new system to be carried out by the developer / manage company annually and after major rainfall events for the lifetime of the development.</li> <li>ii) Inlets, outlets of all headwalls and piped sections to be inspected/checked to ensure all are operating as designed.</li> <li>ii) Open channel sections of watercourse to be inspected/checked to ensure they are free from debris or litter which could impede flow.</li> <li>ii) Jet vac to be used to remove any silt build up and ensure the new drainage system is</li> </ul>

# Operations & Maintenance Itinerary – Watercourse Diversion

		<p>iii) Following completion of the development, Management Company to be responsible for maintenance for the lifetime of the development.</p>	<p>always silt free and operating correctly.</p> <p>iii) Developer to provide CCTV of completed drainage system prior to handover to ensure operating effectively.</p>
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