**Hydro-Brake Optimum® Specification Clause**

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| **Project Name** |  |
| **Site Location** |  |
| **Design Flow** | l/s |
| **Design Head** | m |
| **TWL** | m |
| **Outlet Invert Level** | m |
| **Type of System – (Stormwater, Combined, Foul, New, Existing)** |  |
| **Application** | **SUDS Scheme** |  |
| **Adoptable Sewer** |  |
| **Housing** |  |
| **Commercial / Industrial** |  |
| **Highway Drainage** |  |
| **Inlet Works** |  |
| **Other (please specify)** |  |
| **Adoptable?** | Yes / No |
| **Type of Storage Required (eg. Ponds/Swales, Oversized Pipes, Box Culverts, Pre-formed Concrete Tanks, Stormcell®, Stormbloc®, Other Plastic Blocks)** |  |
| **Other Special Options Available** | Vortex Suppressor Pipe |  |
| Rodding Pipe |  |
| Pressure Applications |  |
| Dry Mounted |  |
| **Vortex flow control shall comply with the following:*** WRC Approved & BBA accredited.
* Vortex flow control manufactured in grade 304 stainless steel to BS 1449 minimum 3mm thick (or greater depending on hydraulic head)
* Hydro-Brake Optimum® by Hydro International, Shearwater House, Clevedon Hall Estate, VictoriaRoad, Clevedon, BS21 7RD, Tel: 01275 878371.
* Incorporate a pivoting by-pass door on the front face of the flow control to allow direct access to the downstream pipe, operated from ground level by means of a stainless steel rope.
* The design criteria for the unit shall match that specified by the engineer and that shown on the head/discharge curve supplied by the manufacturer.
* The ‘flush flow’ and ‘kick’ flow shall match that specified by the engineer as well as that shown on the head/discharge curve supplied by the manufacturer.
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| **Please enter any additional comments or design considerations:** |