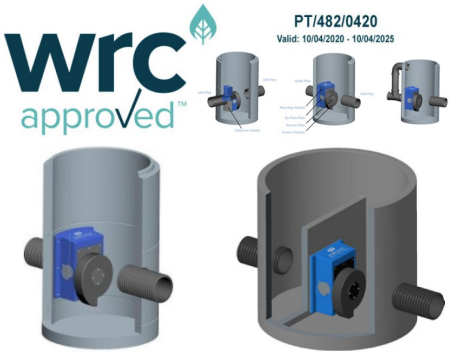
Stormwater Solutions
Rathmore House
Irishtown, Mullingar
Co. Westmeath - N91 R8K6
Phone: 087 6804 248
Email: sales@stormwater.ie

Stormwater Solutions
Company reg No 756108
VAT No 4256051KH
JM Stormwater Solutions Ltd.
T/A Stormwater Solutions

Hydro-Valve Design Information Requirements

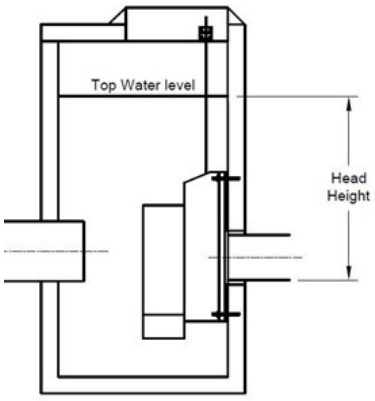
Unit No.	Design Flow (l/s)	Design Head (mm)	Outlet Pipe Size (mm)	Manhole Flat or Curved Back	Manhole Size / Internal Diameter (mm)
1					
2					
3					
4					

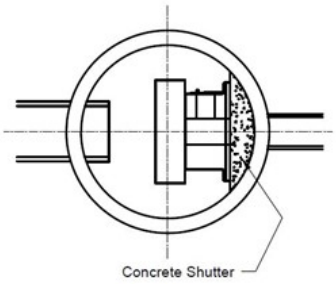


The **Design Flow** is the maximum allowable discharge rate measured in l/s from the site.

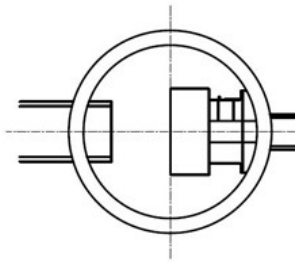
The **Design Head** is the top water level in the attenuation system **LESS** the Invert level of outlet pipe where the Hydro-Valve is located. *Note: The Design Head is not the CL (Cover Level) less the Invert Level.

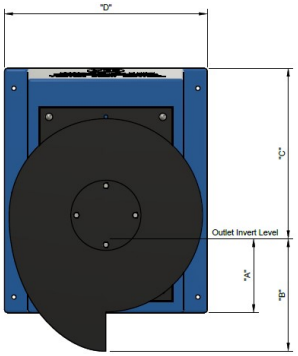
Refer to page 2 for visual explanation.





Flat Back


Curved Back



If required, curved backed units are available for Ø1.05m, Ø1.20m, Ø1.35m and Ø1.50m rings, thereafter units are all flat backed. **All Hydro-Valves require a manhole with a sump between 300mm – 750mm, *for exact confirmation please revert back.** *We also recommend a high level overflow be incorporated in manhole in case of extreme weather events. See Installation Guides.

Contractor General Information

Company Name		**PO NUMBER:**	
Company Address		Contact Name Mobile / Tel	

Site Information (Provide Eircode / Postcode, if known)

Contractor Name	
Site Ref. / Address	

Hydro-Valves are custom fabrications and site specific, bespoke items are made to order, returns not accepted.

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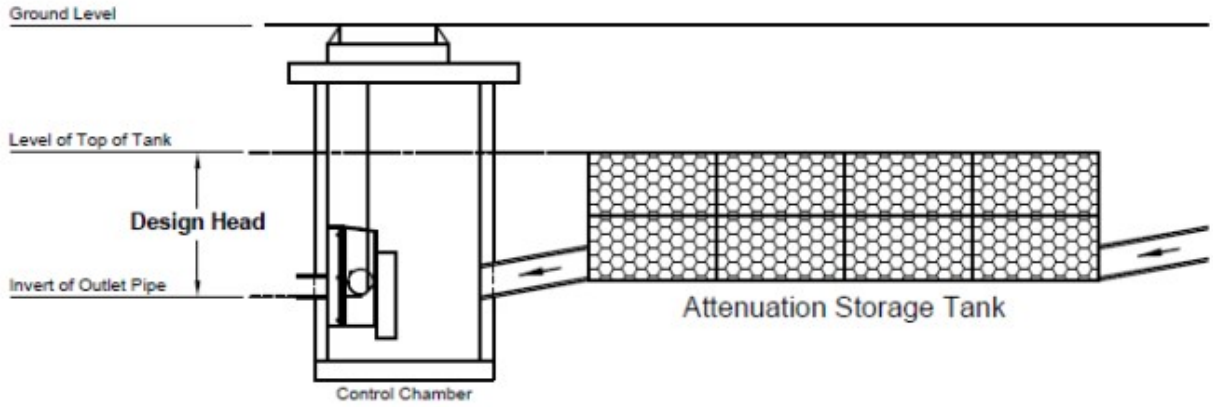
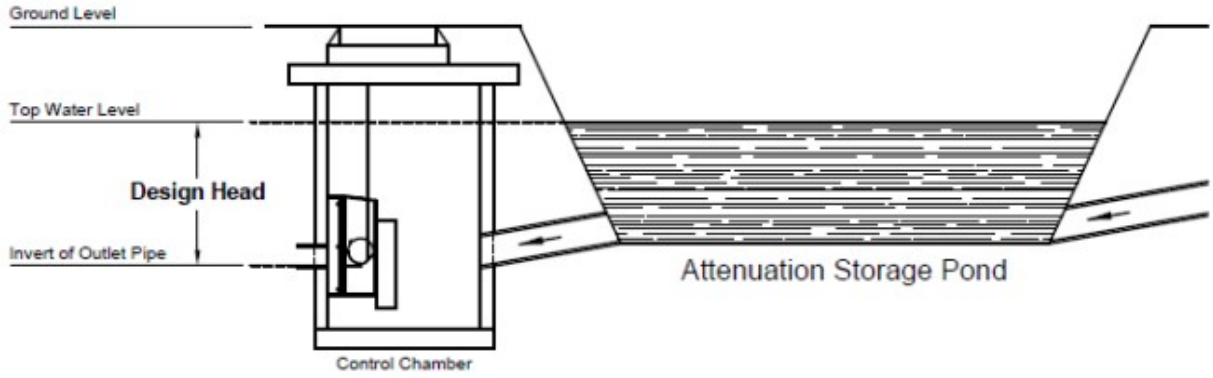
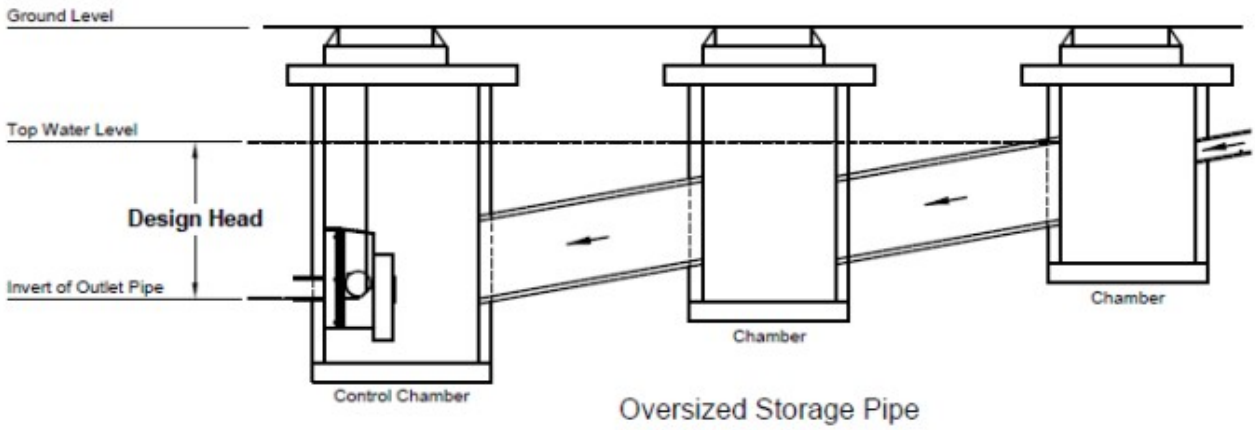
The Design Head (mm) is the maximum depth of water upstream of the control device – see below diagrams:







Top Water Level = Upstream Invert + Storage Pipe Diameter
Design Head = Top Water Level - Outlet Invert Level

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