

Flexible design - flows and volumes

 Storage as a volume per m² developed area

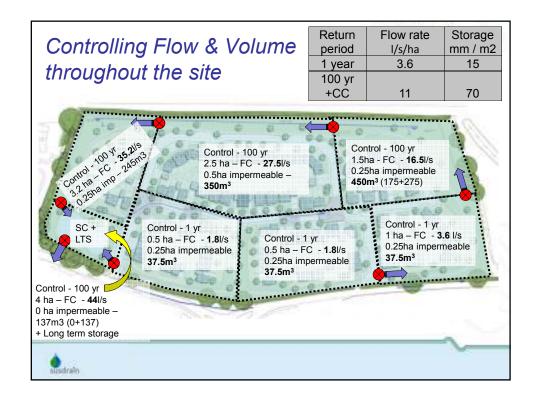
McCloy Consulting

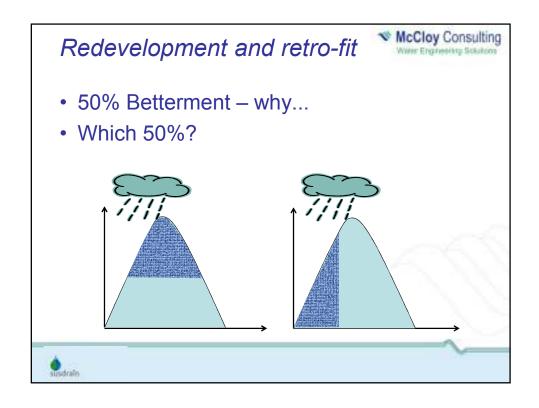
 Consider flow rate & storage for a range of return periods

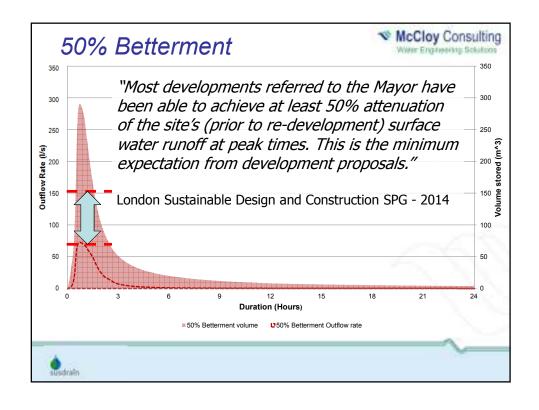
Return	Flow rate	Storage
period	l/s/ha	mm / m2
1 year	3.6	15
100 yr		
+CC	11	70





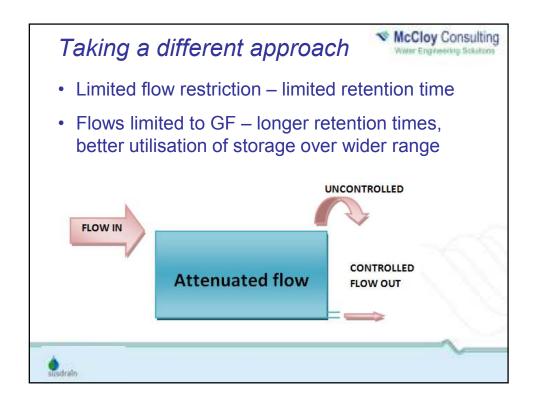


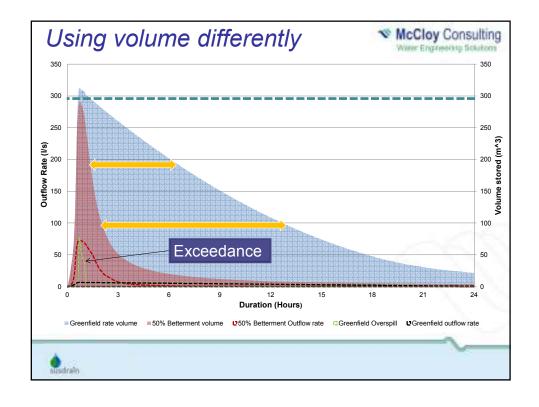


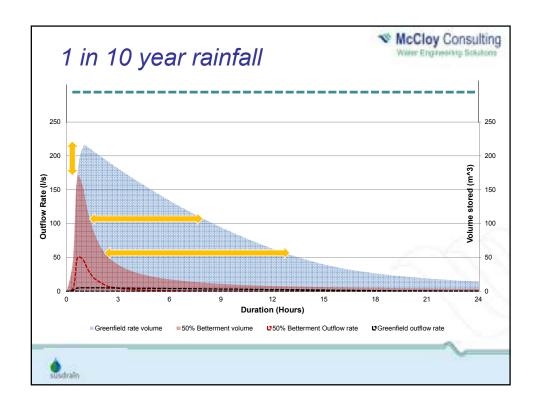


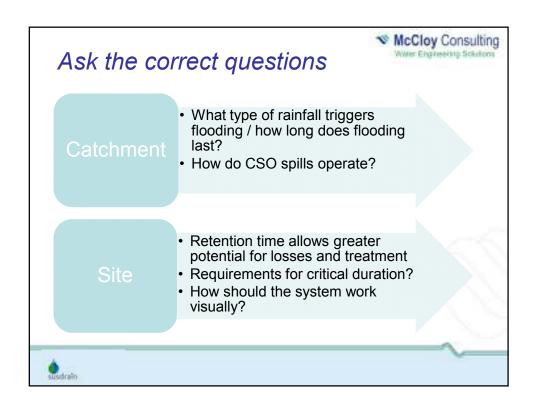












Summary



- Numbers your flexible friend don't be afraid
- Managing runoff on surface poses opportunity to both value engineer and provide wider benefits
- Retrofit SuDS can offer a significant contribution in addressing stormwater issues in urban areas
- Ask why we are retaining flows before defining how we should use the volume



