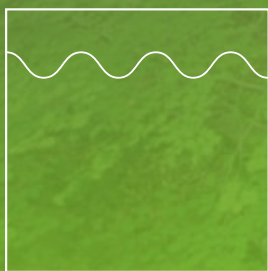

















# CPM **SuDS** Solutions



SuDS Component	Product	Collect	Treat	Re-use	Infiltrate	Attenuate
Circular Pipe					✓	✓
Ovoid Pipe						✓
Flat Pack Tank						✓
Sealed Manhole						✓
Surge Manhole						✓
Soakaway			✓		✓	✓
Hydro-Brake Optimum® Flow Control Chambers						✓
Road Gully		✓	✓			
Oil Separator			✓			
Direct Access Pipe Systems						✓
Hydro Downstream Defender® Separators			✓			
Catch Pit		✓	✓			
Headwall						
Box Culvert						✓
Oasis Rainwater Harvesting Tanks		✓		✓		
Rainwater Filter Chamber			✓			
Greywater Recycling Tank		✓	✓	✓		

<b>Convey</b>	Sustainable Urban Drainage Systems (SuDS) have been introduced following the increase in urbanisation, which has increased flash flooding after rainfalls. CPM has developed a range of SuDS products to counter this and try to replicate natural systems using cost effective precast solutions.
✓	Rigid pipeline system with flexible joints for the conveyance of storm-water and foul water with optional dry weather flow channels. Perforated version enables storm-water to percolate into the ground.
✓	An egg shaped pipeline system that has better velocity characteristics at low flow than equivalent circular pipes.
	Modular attenuation tank using precast panels, produced under factory conditions.
✓	Off-site watertight solution pre-benched and configured to the required inlet/outlet orientation.
✓	Flushes sewer system to prevent blockages and keep drains clear of settleable solids, grits and silts.
	Perforated chamber which may be open void (providing storage) or contain filter medium (providing treatment) to facilitate percolation of stormwater into the ground.
✓	Off-site solution with pre-installed flow control device such as penstock, non return valve, weir wall, orifice plate, Hydro-Brake Optimum® Flow Control and Hydro-Brake Optimum® Chambers.
	Designed to receive storm water runoff from paved surfaces and first-line gravity separation of silt.
	Class 1 bypass and full retention separators in precast chamber, that fully complies with BN858.
✓	Off-Site Manhole for large diameter concrete pipe systems that completely removes the need for a traditional manhole, any on-site benching or concrete surround. The system incorporates the highly successful and SFA7 approved Sealed Manhole joint system.
	The most advanced hydrodynamic vortex separator available for the removal of sediment, oil and floatables from stormwater runoff.
	Used for the gravity separation of debris and silt to prevent them passing downstream, the watertight one piece structure offers greater design flexibility with a range of core or pre-formed hole/cut-outs for inlets/outlets which come complete with seals.
✓	Inlets and outlets, available with flap valves and grills, connecting swales, ponds, detention basins, etc to underground pipes. CPM Headwalls are available with prefitted accessories including Hydro-Brake Optimum® Flow Controls, penstocks and non-return flap valves.
✓	With a range of sizes available from stock and specials made to order, box culverts are available with optional dry weather flow channels.
	CPM has developed both domestic and commercial rainwater harvesting systems for the collection, storage and supply of water to help reduce the demand for mains water.
	CPM's rainwater harvesting pre-tank chambers are used for the removal of grit and leaves, to ensure water quality is maintained.
	CPM's domestic and commercial grey water harvesting systems use ultra filtration membrane ISB technology to treat bath, shower and hand basin waste water which is then used to flush toilets and can be used for watering the garden.

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