

Welcome to Marshalls Civils and Drainage



Marshalls

Civils and Drainage

Marshall's Linear Drainage

- What is Linear Drainage
- Loading Classification
- Design
- Detailing
- Maintenance
- Design Guidance
- Handling
- Case Study
- Marshall's Range



Introduction – What is Linear Drainage



A drainage system that will intercept, store and transport surface water

Types of Linear Drainage

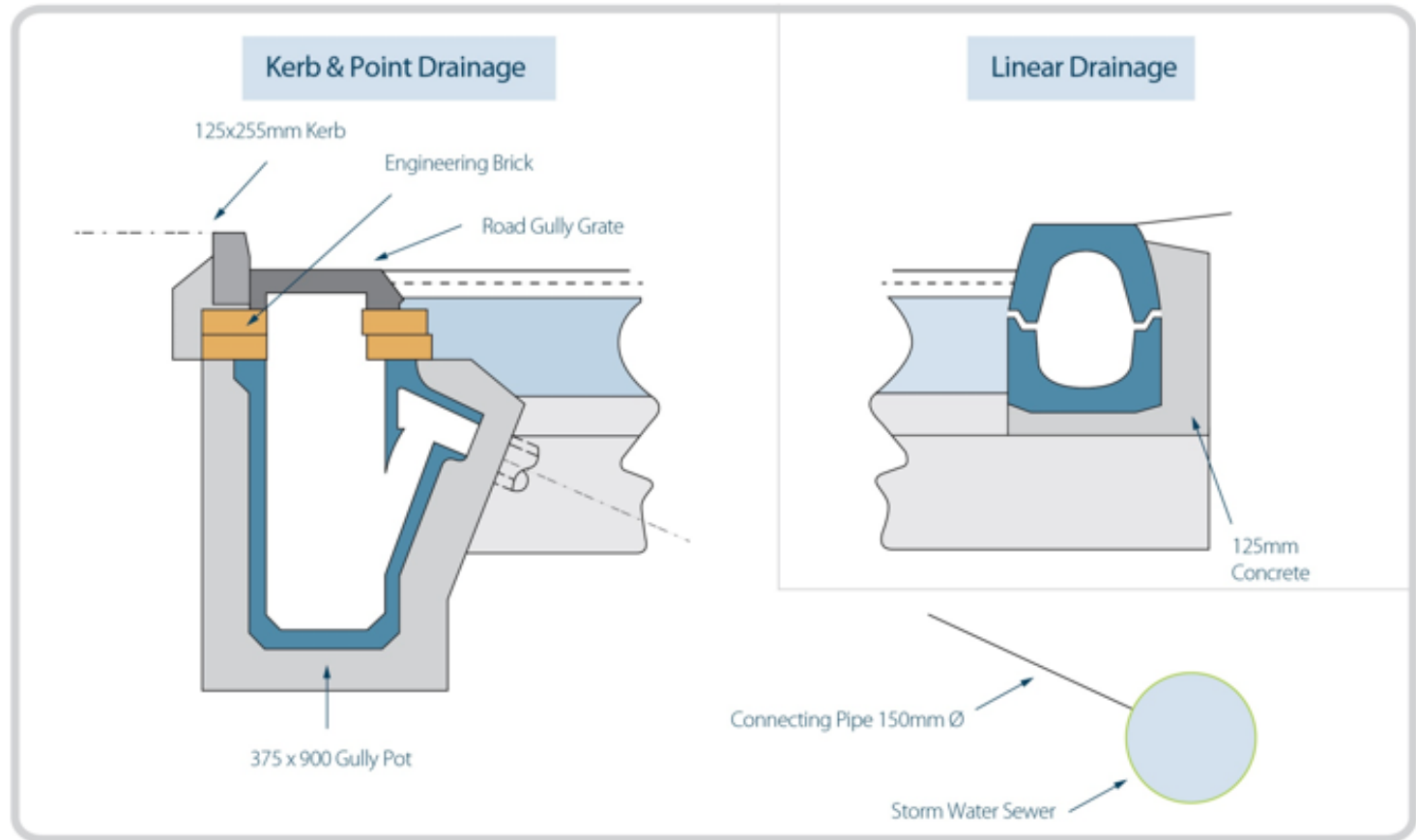
Channel Drainage
Systems



Combined Kerb &
Drainage System
(CKD / Beany Blocks)



Why Use Linear Drainage?



Run Ref	Run dimensions						Run-off		Channel Design System & Deepest Unit	Capacity Check			Notes	
	Run Length (m)	Start Level (m)	End Level (m)	Surface fall (m)	Width drained (m)	Area Drained (m ²)	Design rainfall (mm/hr)	Calculated run-off (l/sec)		Effective Channel Gradient	Available Capacity (l/sec)	Required Capacity (l/sec)		% of capacity used
Run 1	200	0.000	0.000	0.000	16	3200	120	106.67	Beany_SP_630	Flat	125.00	106.67	85	OK