

ENGINEERING WORKS

GROSS POLLUTANT TRAP (GPT) DESIGN CHECKLIST



Name of Subdivision / Stage / Package:

Associated Melbourne Water Drainage Scheme Reference:

Council File Reference:

Consulting Engineer:

Planning Permit Number:

This checklist has been designed to identify the relevant requirements and to subsequently check final designs related to the provision of gross pollutant traps as part of new estates.

1	GENERAL	Y/N	COMMENTS
	Are all drains with a contributing residential catchment of 5Ha or greater upstream of a wetland or similar water body provided with a GPT?		
	Are all drains with a contributing commercial / industrial catchment of 1Ha or greater upstream of a wetland or similar water body provided with a GPT?		
	Is space available for the device (i.e. required footprint, maintenance access and clearance from services)?		
	Does the location suit catchment treatment objectives (e.g. position close to receiving water body)?		
	Is the holding chamber designed for dry retention?		
	Are there sufficient safety features (e.g. preventing entry, access for cleaning)?		
	Is the visual impact satisfactory (any odour potential)?		
	Is the treatment flow sufficient to meet treatment objectives?		
	Has the flooding impact been satisfactorily addressed (e.g. bypass system)?		
	Has the manufacturer and model type been discussed with Council's operational / maintenance staff?		
	Has the expected pollutant removal rate been provided and is it sufficient to meet treatment objectives?		
2	DESIGN		
	Does the device capture all of the intended catchment?		
	Is the method of draining the chamber, to allow for regular pollutant removal, acceptable to Council?		
	Does the range of particle sizes captured satisfy treatment objectives (e.g. litter >5mm)?		
	Does design meet all objectives for treatment, design flows, bypass capacity and storage?		
	Is hard-stand area 11m x 3m (Min.) provided for a vehicle of 30 tonne GTM?		
	Have the operation and maintenance concepts been discussed and agreed with Council's Infrastructure Department prior to finalisation of the design?		
	Do all other aspects of the design satisfy the recommendations of <i>Australian Runoff Quality – A Guide to Water Sensitive Urban Design</i> ?		
3	MAINTENANCE		
	Is the method of cleaning applicable to site conditions (e.g. OH&S methods, isolation of the unit from inflows, etc.)?		
	Are the maintenance (cleaning) techniques suitable for Council equipment (e.g. equipment reach, space requirements, access, etc.)?		
	Has a maintenance program / frequency been included in the submitted design?		
	Is the size of the holding chamber sufficient (for maximum of 12 cleans per year)?		
	Has the estimated cost been provided?		
Signed by Consulting Engineer:		Date:	