

# Permeable Paving Design

**CLIENT:** Brian Dunne, Lynbrook ,Whitechurch Rd, Rathfarnham, Dublin 16  
**ATCE JOB NO.:** Traynor Env  
**JOB DESCRIPTION:** Proposed Development at Lynbrook ,Whitechurch Rd, Rathfarnham, Dublin 16  
**Paving Design** Overall

## Input Data

Impermeable Area to be drained	<b>Ai</b>		m2		Soil permeability	2.01E-05	m/s
Permeable area to be drained	<b>Ap</b>	485	m2		Factor of Safety	3	
Ratio of 60min-2day M5 - r	<b>r</b>	0.4			Stone Void Ratio	0.300	

	M10-5min	M10-10min	M10-15min	M10-30min	M10-60min					
Design Rainfall-R (mm)	15.6	21.7	25.6	32.5	41.5					
Storage depth (mm)	52	72	85	108	137					