

Project				Job Ref.	
	Dunkirk L	XXXX			
Section				Sheet no./re	ev.
	Area Draina	1/-			
Calc. by	Date	Chck'd by	Date	Rev'd by	Date
GDR	04.09.23	SHP	04.09.23		

# Surface Water Drainage.

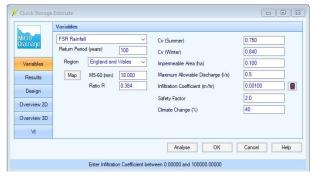
## Introduction.

The following calculations have been undertaken to determine the drainage requirement for the above-mentioned site. The site consists of a level gravelled area to a maximum depth of 0.45m deep. This will affectively be utilised as attenuation storage for the rainfall with infiltration as the discharge.

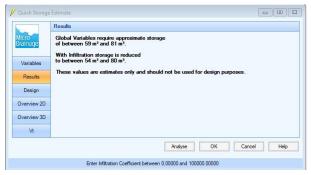
hange					
Attenuation Required					

Based on source data from Microdrainage.

### Criteria



#### Results



	Project				Job Ref.	
	Dunkirk Lane, Chester				XXXX	
	Section				Sheet no./re	v.
	Area Drainage Calculations.				2 / -	
atructural	Calc. by	Date	Chck'd by	Date	Rev'd by	Date
structural	GDR	04.09.23	SHP	04.09.23		

## **Attenuation Calculations**

Site Area	853m <sup>2</sup>		
Gravel Depth	0.450m		
Volume =	=	853 X 0.450 = 383m <sup>3</sup>	
Void Volume @ 30%	=	383 @ 90% = 115m <sup>3</sup>	

## Conclusion

Considering the volume attainable from the gravel surface and the sourced estimation for required volume it demonstrates full feasibility for the proposed Site.