

Clare County Council
Cliffs Of Moher, West Coast of Ireland
6037374
DRL00393
Mini Beany Hydraulic Design
19/05/2026

Run Ref	Run Length (m)	Start Level (m)	End Level (m)	Surface fall (m)	Drained Width (m)	Drained Area (m2)	Design Rainfall (mm/hr)	Run-off (l/s)	External Input (l/s)	System & Deepest Unit	Effective Channel Gradient (1:)	Effective Channel Gradient	Available Capacity (l/s)	Required Capacity (l/s)	% of Capacity Used	Notes	Full Flow Velocity (m/s)
Run 1	28.5	158.110	157.420	0.690	0	114	27	0.86		MiniBeany210	1 in 42	2.42	13.86	0.86	6	OK	0.89
Run 2	28.5	157.420	154.660	2.760	0	112	27	0.84		MiniBeany210	1 in 11	9.68	16.54	0.84	5	OK	1.06
Run 3	29.5	154.660	149.600	5.060	0	109	27	0.82		MiniBeany210	1 in 6	17.15	16.54	0.82	5	OK	1.06
Run 4	20.0	149.600	146.840	2.760	0	73	27	0.55		MiniBeany210	1 in 8	13.80	16.00	0.55	3	OK	1.03
Run 5	21.0	146.840	146.060	0.780	0	71	27	0.53		MiniBeany210	1 in 27	3.71	16.27	0.53	3	OK	1.04
Run 6	22.5	146.060	146.040	0.020	0	87	27	0.65		MiniBeany210	1 in 1125	0.09	6.05	0.65	11	OK	0.39
Run 7	24.0	146.040	145.650	0.390	0	91	27	0.68		MiniBeany210	1 in 62	1.62	11.93	0.68	6	OK	0.77

Hydraulic Design uses the 'simple area run off' method. Available capacity is calculated based on Spatially Varied Flow principles taken from Wallingford SR581. Please refer to Marshalls Drainage Design Guide for further details.