



1894_251121

21ST NOVEMBER 2025

FTAO Stefan Galyas MPLAN

Planning Officer

Mid Sussex District Council

Dear Mr Galyas,

DM/25/1123 - EASTLANDS FARMHOUSE MALTHOUSE LANE HURSTPIERPOINT HASSOCKS WEST SUSSEX BN6 9LA

Following the recent query regarding the existing run off from the existing house we can indicate the following using the FEH 22 point data for the site.

Using the FEH rainfall data for the 15 min (0,25 hours) 2, 30 and 100 year event results in flowrates from the house of 1.35 lit/sec, 2.97 lit/sec and 3.78 lit/sec respectively, which are recued from that issued to you in October due to a slight anomaly. The FEH data is shown partially to indicate those rainfall depths used as highlighted.

VERSION	"FEH Web Serv Version	1.0.0	exported at	10:47:03 GMT	Tue	10-Jun-25								
Parameters														
Rainfall model= FEH22														
Calculation type Design rainfall														
Calculation mod For a point														
Calculation locat Point	GB	529263	119045	TQ 29263	19045									
Fixed duration= no														
Annual maximum no														
Duration hours	Duration days	2 year rain	5 year rain	10 year rain	20 year rain	30 year rain	50 year rain	75 year rain	100 year rain	150 year rain	200 year rain	500 year rain	1000 year rain	10000 year rainfall (mm)
0.25	0.010416667	9.25	12.87	15.68	18.48	20.14	22.24	23.97	25.23	27	28.29	32.78	36.61	54.25
0.5	0.020833333	12.1	16.9	20.67	24.48	26.76	29.69	32.13	33.92	36.45	38.3	44.65	50.18	75.56
0.75	0.03125	13.88	19.37	23.82	28.3	31.02	34.48	37.3	39.35	42.34	44.55	52.12	58.79	89.16
1	0.041666667	15.24	21.29	26.15	31.11	34.11	37.99	41.15	43.45	46.79	49.24	57.7	65.02	98.99
1.25	0.052083333	16.81	23.18	28.27	33.45	36.58	40.64	43.94	46.35	49.87	52.45	61.41	69.24	105.46
1.5	0.0625	18.32	24.91	30.12	35.46	38.65	42.81	46.21	48.7	52.34	55.02	64.39	72.67	110.61
1.75	0.072916667	19.74	26.46	31.76	37.2	40.45	44.68	48.15	50.69	54.44	57.21	66.93	75.63	114.96
2	0.083333333	21.04	27.87	33.23	38.75	42.04	46.32	49.85	52.45	56.29	59.14	69.18	78.26	118.79
2.25	0.09375	22.09	29.05	34.51	40.13	43.48	47.84	51.45	54.11	58.05	60.99	71.41	80.89	122.57
2.5	0.104166667	23.05	30.22	35.73	41.33	44.72	49.13	52.82	55.57	59.61	62.65	73.28	83.01	126.55

The following table indicates the calculations and resultant flowrates from the existing house for the 15 min duration event.

Probability of year event	Rainfall depth (mm) in 15 mins (see FEH highlighted above)	Equivalent rainfall intensity (mm/hour)	Run off rate (lit/sec) for given area
1 in 2 (50%)	9.25mm	0.010 lit/sec/sq.m	0.010 x 135 = 1.35 lit/sec
1 in 30 (3.3%)	20.14mm	0.022 lit/sec/sq.m	0.022 x 135 = 2.97 lit/sec
1 in 100 (1%)	25.23mm	0.028 lit/sec/sq.m	0.028 x 135 = 3.78 lit/sec

These flowrates still indicate a reduction will be achieved for the 30 and 100 year events by restricting to the greenfield 1.8 lit/sec maximum and supplying the 100 year + 45% climate change storage volume.

We trust the above and attached will enable you to now offer your removal of the relevant drainage condition.

Kind regards,

Simon Dent For Simon Dent Associates