

HIGHGRANGE DEVELOPMENTS
CLEATOR MOOR

100YEAR COMBINED SURFACE WATER DISCHARGE ANALYSIS

Storm Duration	Old development 30% climate change	New development 1050mm storage 50% additional flow	New development Pond storage 50% additional flow	New development Total Additional flow	Total discharge to river
15min	29.1	16.9	26.9	43.6	72.7
30min	33.0	18.2	26.9	43.7	76.9
60min	43.3	18.4	26.9	43.6	86.9
120min	48.0	16.9	26.9	42.6	90.6
180min	48.1	16.9	26.9	42.5	90.6
240min	48.1	16.9	26.9	42.0	90.1
360min	47.7	14.9	26.9	39.6	87.3
480min	44.9	12.2	26.9	36.6	81.5

Maximum permitted discharge to river 94 l/s

XX.X Denotes critical storm at control