



Summit House, Riparian Way, The Crossings
Cross Hills, Keighley, West Yorkshire, BD20 7BW

22045-PWA-00-XX-CA-C-1001

GIRBORN AUCTION MART

DRAINAGE ATTENUATION STORAGE

REVISION P02

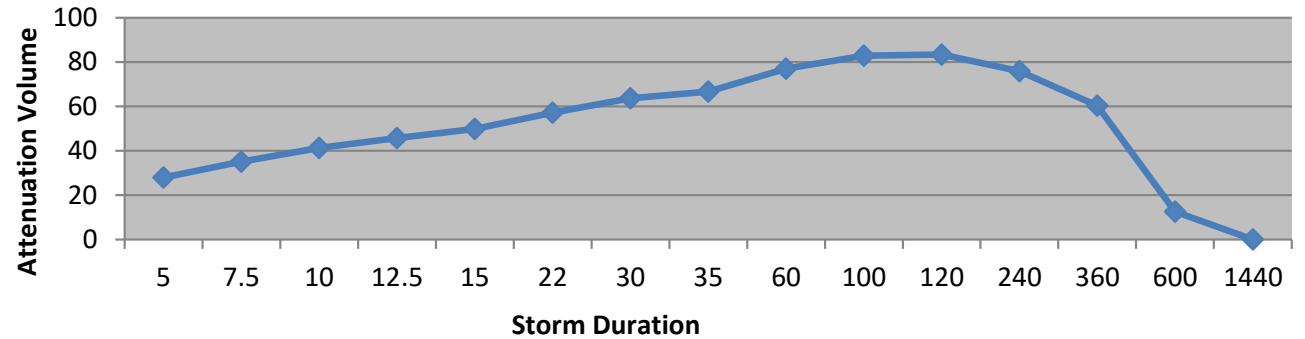
DESIGNED. AC

CHECKED. JLE

DATE. 12/07/22

Input Data

M5-60 =	17	mm	Fig A.1
r =	0.3		Fig A.2
T =	100	yrs	
C =	2.78		
Max Allowable Flow =	5	l/s	
Contributing Area =	1988	m ²	
Flow/Ha =	25.15	l/s/Ha	
Percentage Increase =	40	%	



Output Data

Duration (Mins)	Z1	M5-D		I mm/h	Increased Rainfall	Qp l/s	Increased Flow	Storage m ³	Percentage Increased Storage m ³
		(M5-60)*Z1	Z2						
5	0.34	5.8	1.81	127	177	70	98	20	28
7.5	0.43	7.3	1.84	107	150	59	83	24	35
10	0.50	8.5	1.87	95	134	53	74	29	41
12.5	0.55	9.4	1.90	85	120	47	66	32	46
15	0.60	10.2	1.91	78	109	43	60	34	50
22	0.69	11.8	1.94	62	87	34	48	39	57
30	0.78	13.3	1.96	52	73	29	40	43	64
35	0.83	14.0	1.97	47	66	26	37	45	67
60	1.00	17.0	2.01	34	48	19	26	50	77
100	1.18	20.0	2.03	24	34	13	19	51	83
120	1.25	21.2	2.03	21	30	12	17	49	83
240	1.56	26.6	2.00	13	19	7	10	34	76
360	1.81	30.8	1.96	10	14	6	8	12	60
600	2.12	36.0	1.92	7	10	4	5	0	13
1440	2.81	47.7	1.83	4	5	2	3	0	0