



Notes

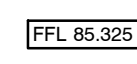
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Drawings must not be scaled. Work to figured dimensions only

NOTE
Preliminary scheme only for comment & review.
Based upon information provided / available at the time. Scheme will be subject to full review and amendment as further information becomes available.
Scheme will be subject to amendment following receipt of comments from the Development Control, LA Planning Authority, Environment Agency, LA Highways department and the Sewerage Undertaker.
Following receipt of further information and comments the scheme may require a re-design.

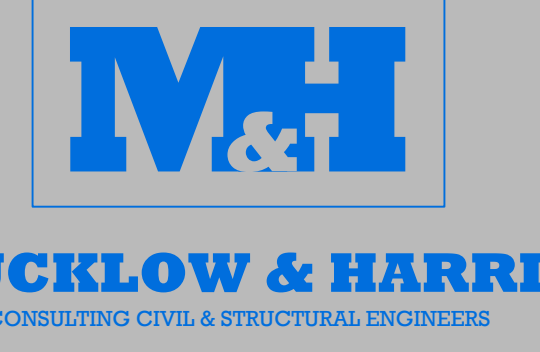
KEY

 Direction of Flow

 Initial flow in case of blockage

 Proposed Finish Floor Levels

B	13.02.20	Porcupine Paving removed at LUFA request	RAA
A	31.01.20	Amended to suit latest layout	2%
REV	DATE	AMENDMENT	BY



MUCKLOW & HARRIS
CONSULTING CIVIL & STRUCTURAL ENGINEERS

DRAWING STATUS: **PRELIMINARY**

CLIENT: 

PROJECT: **Proposed Development at Boleyn Road, Rednal, Birmingham**

TITLE: **Flood Routing Plan**

DATE	08.09.22	DRAWN	RAA
SCALE	1:250	CHECKED	DH
DRAWING NUMBER	20131-104	REVISION	B

Pipe Number	US/MH Name	Event	Duration (mins)	Storm Rank	US/CL (m)	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (lit/s)	Pipe Flow (lit/s)	Status
1.000 1		240 minute 100 year Winter I+70%	240	1	209.250	206.104	0.933	0.000	0.01		9.1	SURCHARGED
1.001 2		240 minute 100 year Winter I+70%	240	1	208.974	206.104	0.963	0.000	0.02		14.7	SURCHARGED
1.002 3		240 minute 100 year Winter I+70%	240	1	208.758	206.104	0.988	0.000	0.02		12.7	SURCHARGED
1.003 4		240 minute 100 year Winter I+70%	240	1	208.587	206.104	1.009	0.000	0.02		19.6	SURCHARGED
2.000 11		15 minute 100 year Winter I+70%	15	1	209.000	207.373	-0.132	0.000	0.36		39.6	OK
2.001 12		15 minute 100 year Winter I+70%	15	1	208.853	206.866	0.441	0.000	0.68		72.7	SURCHARGED
2.002 13		15 minute 100 year Winter I+70%	15	1	208.629	206.454	0.903	0.000	1.68		108.4	SURCHARGED
1.004 5		240 minute 100 year Winter I+70%	240	1	208.255	206.104	1.043	0.000	0.01		18.4	SURCHARGED
1.005 6		240 minute 100 year Winter I+70%	240	1	207.523	206.104	1.132	0.000	0.02		15.5	SURCHARGED
3.000 14		15 minute 100 year Winter I+70%	15	1	208.858	207.594	0.162	0.000	0.37		38.5	SURCHARGED
3.001 15		15 minute 100 year Winter I+70%	15	1	208.588	207.476	1.243	0.000	1.11		65.2	SURCHARGED
3.002 16		15 minute 100 year Winter I+70%	15	1	208.315	207.052	1.165	0.000	1.22		96.5	SURCHARGED
3.003 17		15 minute 100 year Winter I+70%	15	1	208.226	206.572	1.001	0.000	1.76		129.8	SURCHARGED
3.004 18		240 minute 100 year Winter I+70%	240	1	208.031	206.104	1.012	0.000	0.04		34.3	SURCHARGED
3.005 19		240 minute 100 year Winter I+70%	240	1	207.827	206.104	1.050	0.000	0.03		36.6	SURCHARGED
3.006 20		240 minute 100 year Winter I+70%	240	1	207.532	206.104	1.106	0.000	0.03		37.2	SURCHARGED
1.006 7		240 minute 100 year Winter I+70%	240	1	207.324	206.104	1.153	0.000	0.01		22.2	SURCHARGED
4.000 21		15 minute 100 year Winter I+70%	15	1	208.364	207.467	0.242	0.000	1.08		36.6	SURCHARGED
4.001 22		15 minute 100 year Winter I+70%	15	1	208.163	207.304	0.244	0.000	0.84		68.4	SURCHARGED
4.002 23		15 minute 100 year Winter I+70%	15	1	207.304	206.757	0.564	0.000	0.94		99.9	SURCHARGED
4.003 24		240 minute 100 year Winter I+70%	240	1	206.885	206.109	0.759	0.000	0.33		28.0	SURCHARGED
4.004 25		240 minute 100 year Winter I+70%	240	1	206.589	206.104	1.204	0.000	0.03		34.3	SURCHARGED
1.007 8		240 minute 100 year Winter I+70%	240	1	205.073	206.105	2.246	31.693	0.10		14.2	FLOOD