

Project: 81 BELSIZE PARK GARDENS Project No: 22064	Date: 31/07/2023 Designed by: FJ	Checked by:	Approved By:
Report Title: Rainfall Analysis Criteria	MHA STRUCTURAL DESIGN: London: +44 (0)207 375 6340 Cambridge: +44 (0)1223 776340 mhastructuraldesign.com		



Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Use Catchment Values
Junction Flood Risk Margin (mm)	0
Perform No Discharge Analysis	☐

Rainfall

FSR

Type: FSR

Region	England And Wales
M5-60 (mm)	20.0
Ratio R	0.400
Summer	☒
Winter	☒

Return Period

Return Period (years)	Increase Rainfall (%)
1.0	0.000
30.0	35.000
100.0	40.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
240	480
360	720
480	960
960	1920
1440	2880

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Report Details: Type: Junctions Summary Storm Phase: Surface Network 1		MHA STRUCTURAL DESIGN: London: +44 (0)207 375 6340 Cambridge: +44 (0)1223 776340 mhastructuraldesign.com			



FSR: 100 years: Increase Rainfall (%): +40: 360 mins: Winter

Junction	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
MH1	0.000	-0.530	-0.493	0.037	2.6	0.024	0.000	2.6	20.992	OK
MH	0.000	-0.750	-0.713	0.037	3.4	0.023	0.000	3.3	25.266	OK
MH2	0.000	-1.230	-1.177	0.053	4.2	0.034	0.000	4.1	30.251	OK
MH4	0.000	-1.750	-1.697	0.053	5.3	0.060	0.000	5.3	40.111	OK
S1	0.000	-0.900	-0.889	0.011	1.0	0.002	0.000	1.0	8.436	OK
Outfall	0.000	-1.900	-1.852	0.048	5.3	0.000	0.000	5.3	40.111	OK
MH3	0.000	-1.310	-1.269	0.041	4.3	0.026	0.000	4.3	31.679	OK