


Project: 81 BELSIZE PARK GARDENS	Date: 31/07/2023		
Project No: 22064	Designed by: FJ		
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	<input type="checkbox"/>

Rainfall

FSR

Type: FSR

Region	England And Wales
M5-60 (mm)	20.0
Ratio R	0.400
Summer	<input checked="" type="checkbox"/>
Winter	<input checked="" type="checkbox"/>

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: Existing Network	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	-0.492	0.038	2.7	0.024	0.000	2.7	23.159	OK
MH	0.000	-0.750	-0.712	0.038	3.6	0.024	0.000	3.6	30.532	OK
MH2	0.000	-1.230	-1.173	0.057	4.6	0.036	0.000	4.6	39.513	OK
MH4	0.000	-1.750	-1.692	0.058	5.9	0.066	0.000	5.9	50.887	OK
Outfall	0.000	-1.900	-1.848	0.052	5.9	0.000	0.000	5.9	50.887	OK
MH3	0.000	-1.310	-1.267	0.043	4.8	0.028	0.000	4.8	41.048	OK