

APPENDIX B – HISTORIC BOREHOLES FROM THE SITE

Terresearch

Contract: Courtenay Avenue, N6 Client: F B Ellmer Limited					Borehole No. 1 Sheet No. 1 Of 2. Depth 0 to 10 metres.			
Equipment and Methods Light Cable Percussion Boring 150mm diameter		Ground Level : 100 + 102 m.O.D. Coordinates :			Job Number : S92/T223 Location : Dates : 5/2/92 6/2/92			
Orientation : Vertical								
Daily Prog.	Water Levels	Remarks	In Situ Tests	Samples Taken	Depth (Thick)	Reduced Level	Description	Legend
					0.00		TOPSOIL	
					0.30			
				J 1			Firm to stiff orange-brown and light grey silty slightly sandy CLAY with scattered pockets and partings of light grey silty fine sand occasional traces of medium gravel and some roots	
				U 2				
				J 3				
				U 4	(3.75)			
				J 5				
				U 6				
	6/2			J 7				
				J 8		4.05		
				U 9				
				J 10			Firm to stiff mid-grey very silty slightly sandy CLAY with occasional shell traces and frequent pockets and partings of light grey silty fine sand	
				J 11				
				U 12				
	5/2			J 13	(3.95)			
				U 14				
				J 15				
						8.00		
				U 16			Stiff becoming very stiff with depth mid-grey silty CLAY with occasional traces of shells and occasional pockets and partings of light grey silty fine sand	
				J 17	(7.00)			
						10.00		
							Continued	
Operator MC		General Remarks: Water level observation tubing installed with perforated tubing from 8.00m to 1.00m depth, gravel filter from 8.00m to 1.00m depth and plain tubing from 1.00m depth to ground level					Appendix 1	
Scale 10m/sheet							Sheet No. 1	

TG28 NE 238

Contract: Courtenay Avenue, N6
Client: F B Elmer Limited

Borehole No. 1

Sheet No. 2 Of 2.
Depth 10 to 20 metres.

Equipment and Methods
Light Cable Percussion Boring
150mm diameter

Ground Level : m.O.D.
Coordinates :

Job Number : S92/T223

Location :

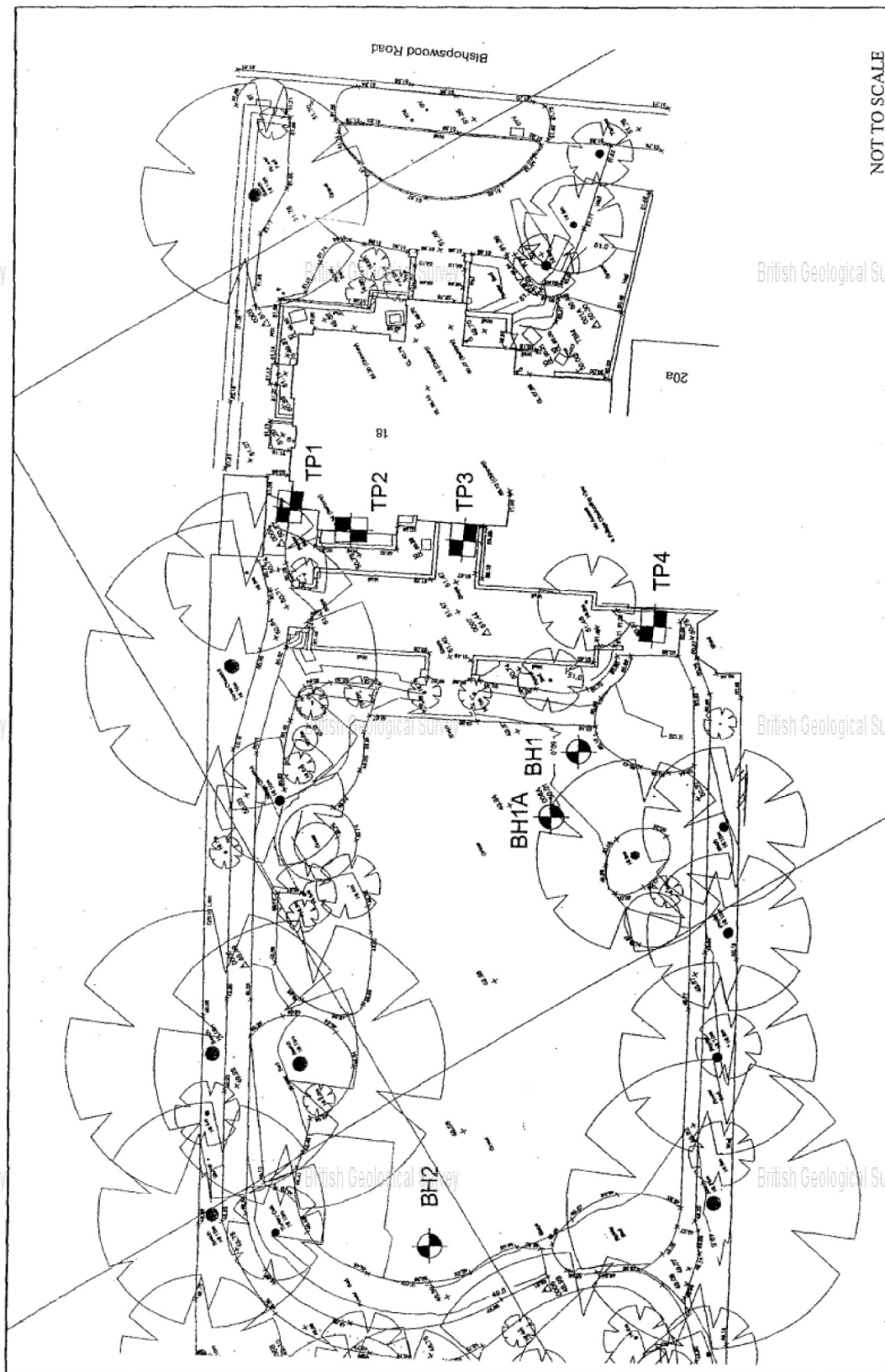
Dates : 5/2/92
6/2/92

Orientation : Vertical

Daily Prog.	Water Levels	Remarks	In Situ Tests	Samples Taken	Depth (Thick)	Reduced Level	Description	Legend
				U 18	10.00		Stiff becoming very stiff with depth mid-grey silty CLAY with occasional traces of shells and occasional pockets and partings of light grey silty fine sand	x
				J 19				x
				U 20				x
				J 21				x
				U 22	(7.00)			x
				J 23				x
				U 24				x
				J 25	15.00			x
5/2								x
							End of Borehole	
Operator MC		General Remarks: Water level observation tubing installed with perforated tubing from 8.00m to 1.00m depth, gravel filter from 8.00m to 1.00m depth and plain tubing from 1.00m depth to ground level						Appendix 1
Scale 10m/sheet								Sheet No. 2



Exploratory Hole Location Plan



Project : 18 Bishopswood Road, London N6

Client : Mr & Mrs Williams

GROUND
ENGINEERING

Peterborough Tel: 01733 566566

Project Reference
No. C10611

GROUND ENGINEERING			Site: 18 BISHOPSWOOD ROAD, LONDON N6				BOREHOLE BH1A			
Geo-Environmental Specialists 01733 566566			Date: 20/07/06 to 21/07/06		Hole Size: 150mm dia to 20.00m		Ground Level:			
Samples and in-situ Tests			(Date)	Description of Strata			Legend	Depth m	O.D. Level m	
Depth m	Type	Blows	Casing							
				MADE GROUND - Firm dark brown, brown and orange brown mottled slightly gravelly, sandy CLAY. Gravel consists of fine to medium, angular to sub-rounded flint, brick and coal				1.40		
				Stiff, orange brown and grey mottled slightly sandy, gravelly CLAY. Gravel of sub-angular to rounded flint (HEAD DEPOSIT)				2.50		
				Stiff, brown and grey mottled slightly sandy CLAY with occasional orange brown silt partings (CLAYGATE MEMBER)				6.30		
				Stiff, fissured, grey CLAY with occasional light grey silt partings, a concretionary limestone nodule at 9.90m depth and rare fossil shell fragments at 16.50m depth (LONDON CLAY)				10.00		
REMARKS - Excavating a pit from 0.00m to 1.20m for 1 hour - Chiselling from 9.90m to 10.60m for 1.5 hours - Borehole cased to 10.00m depth - Water seen throughout - Live roots observed to 1.00m depth									Project No 10611	
									Scale 1:50	Page 1/2
KEY D - Disturbed Sample B - Bulk Sample U - Undisturbed Sample W - Water Sample S/C - SPT Spoon/Cone Water Strike Water Rise			N - SPT Blows for 0.3m * - Blows for quoted penetration V - Vane Shear Test Cohesion () kPa Level on completion Level casing withdrawn Standpipe Level			Groundwater Strikes Depth m No Struck Rose to Rate Cased Sealed		Groundwater Observations Date Hole Casing Water		
						20/07/06	10.60			
						21/07/06	10.60		dry	
						21/07/06	19.60	9.90	17.50	
						21/07/06	19.60	0.00	5.00	

GROUND ENGINEERING Geo-Environmental Specialists 01733 566566			Site: 18 BISHOPSWOOD ROAD, LONDON N6				BOREHOLE BH1A				
Date: 20/07/06 to 21/07/06			Hole Size: 150mm dia to 20.00m				Ground Level:				
Samples and in-situ Tests			(Date) Casing	Description of Strata		Legend	Depth m	O.D. Level m			
Depth m	Type	Blows									
				Stiff, fissured, grey CLAY with occasional light grey silt partings, a concretionary limestone layer at 9.90m depth and rare fossil shell fragments at 16.50m depth (LONDON CLAY)			10.00				
11.00-1.40	U1	52	9.90								
11.45	D1										
12.00	D2										
12.50-12.90	U2	60	9.90								
12.95	D3										
13.50	D4										
14.00(Failed)	U3	60	9.90								
14.65-14.90	S	N16	9.90								
15.65-15.90	S	N18	9.90								
15.95	D5										
16.50	D6										
17.15-17.45	S	N20	9.90								
17.45	D7		▼c								
18.65-18.95	S	N22	9.90								
19.35-19.65	S	N26	9.90								
19.70	DB										
20.00											
REMARKS							Project No 10611				
							Scale 1:50	Page 2/2			
KEY D - Disturbed Sample B - Bulk Sample U - Undisturbed Sample W - Water Sample S/C - SPT Spoon/Cone ▼ - Water Strike ▼ - Water Rise			N - SPT Blows for 0.3m * - Blows for quoted penetration V - Vane Shear Test Cohesion () kPa Level on completion Level casing withdrawn Standpipe Level			Groundwater Strikes Depth m No Struck Rose to Rate Cased Sealed			Groundwater Observations Date Hole Casing Water		

GROUND ENGINEERING Geo-Environmental Specialists 01733 566566			Site: 18 BISHOPSWOOD ROAD, LONDON N6		TRIAL PIT TP4	
Date: 13/07/06			Pit Size: 0.60m L x 0.50m W x 0.60m D. Hole Size: 75mm dia to 3.10m		Ground Level:	
Samples and in-situ Tests			(Date)	Description of Strata	Legend	Depth m
Depth m	Type	Result	Water			
				MADE GROUND - CONCRETE		0.15
0.30	D1			MADE GROUND - SANDSTONE paving slab		0.19
0.60	D2			MADE GROUND - Firm, dark brown, brown and orange brown mottled slightly gravelly, sandy CLAY. Gravel consists of fine to medium, angular to sub-rounded flint, brick and coal		0.80
0.90	D3			Stiff, orange brown and grey mottled slightly sandy, gravelly CLAY. Gravel of sub-angular to rounded flint		1.40
1.00	V1	(84)		(HEAD DEPOSIT)		
1.20	D4					
1.50	D5			Stiff, brown and grey mottled slightly sandy CLAY with occasional orange brown silt partings		
1.60	V2	(87)				
1.80	D6			(CLAYGATE MEMBER)		
2.10	D7					
2.10	V3	(94)				
2.40	D8					
2.60	V4	(89)				
2.70	D9					
3.00	D10					
3.00	V5	(88)				3.10
				Trial pit completed at 3.10m depth		

KEY	REMARKS
D - Disturbed Sample	1. No live roots observed
B - Bulk Sample	2. Pit sides stable
U - Undisturbed Sample	3. Pit dry
R - Root Sample	
W - Water Sample	
J - Jar Sample	
Σ - Water Strike	
Δ - Water Rise	
Δc - Level on completion	
MP - Mackintosh Probe	
P() - Hand Penetrometer	
Cohesion () kPa	
V - Vane Shear Test	
Cohesion () kPa	

Project No 10611	
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APPENDIX C – SURFACE WATER RUNOFF CALCULATIONS & INFODRAINAGE HYDRAULIC MODELLING REPORTS

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Inflow Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



Nimbus
ENGINEERING CONSULTANTS



Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	RAINGARDEN PLANTER 7		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (1)	S10		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (2)	S10		Time of Concentration	0.000	100	0	100	0.000
Catchment Area (3)	S11-CATCHPIT		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (4)	S9		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (5)	S7-CATCHPIT		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (6)	S9		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (7)	S7-CATCHPIT		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (8)	S8		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (9)	S1		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (10)	RAINGARDEN PLANTER 6		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (11)	S1		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (12)	RAINGARDEN PLANTER 5		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (13)	S2		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (14)	RAINGARDEN PLANTER 4		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (15)	S2		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (16)	RAINGARDEN PLANTER 1		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (17)	RAINGARDEN PLANTER 3		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (18)	RAINGARDEN PLANTER 2		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (19)	RAINGARDEN PLANTER 1		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (20)	S1		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (21)	Infiltration Trench 5		Time of Concentration	0.012	100	0	100	0.012
Catchment Area (22)	Infiltration Trench 4		Time of Concentration	0.013	100	0	100	0.013
Catchment Area (23)	Infiltration Trench 1		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (24)	Infiltration Trench 3		Time of Concentration	0.016	100	0	100	0.016
Catchment Area (25)	S10		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (26)	Infiltration Trench 2		Time of Concentration	0.001	100	0	100	0.001
Catchment Area (27)	S7-CATCHPIT		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (28)	S6		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (29)	S5		Time of Concentration	0.010	100	0	100	0.010
Catchment Area (30)	S7-CATCHPIT		Time of Concentration	0.001	100	0	100	0.001

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate		Date: 17/08/2022	
		Designed by: FG	Checked by: SL
		Approved By: SL	
Report Details: Type: Inflow Summary Storm Phase: Phase		Kemp House: 124 City Road London EC1V 2NX	



Green Roof	S11-CATCHPIT		Green Roof	0.001		0	0.001
Green Roof (1)	S7-CATCHPIT		Green Roof	0.001		0	0.001
Green Roof (2)	S11-CATCHPIT		Green Roof	0.000		0	0.000
Green Roof (3)	S10		Green Roof	0.001		0	0.001
Green Roof (4)	RAINGARDEN PLANTER 7		Green Roof	0.001		0	0.001
Green Roof (5)	S9		Green Roof	0.001		0	0.001
Green Roof (6)	S11-CATCHPIT		Green Roof	0.000		0	0.000
Green Roof (7)	S10		Green Roof	0.000		0	0.000
Green Roof (8)	S9		Green Roof	0.004		0	0.004
Green Roof (9)	S9		Green Roof	0.005		0	0.005
Green Roof (10)	S7-CATCHPIT		Green Roof	0.004		0	0.004
Green Roof (11)	S7-CATCHPIT		Green Roof	0.001		0	0.001
Green Roof (12)	S7-CATCHPIT		Green Roof	0.003		0	0.003
Green Roof (13)	S8		Green Roof	0.005		0	0.005
Green Roof (14)	RAINGARDEN PLANTER 6		Green Roof	0.001		0	0.001
Green Roof (15)	S2		Green Roof	0.003		0	0.003
Green Roof (16)	RAINGARDEN PLANTER 5		Green Roof	0.000		0	0.000
Green Roof (17)	RAINGARDEN PLANTER 4		Green Roof	0.003		0	0.003
Green Roof (18)	S2		Green Roof	0.003		0	0.003
Green Roof (19)	RAINGARDEN PLANTER 3		Green Roof	0.002		0	0.002
Green Roof (20)	RAINGARDEN PLANTER 1		Green Roof	0.001		0	0.001
Green Roof (21)	RAINGARDEN PLANTER 3		Green Roof	0.000		0	0.000
Green Roof (22)	RAINGARDEN PLANTER 1		Green Roof	0.003		0	0.003
Green Roof (23)	RAINGARDEN PLANTER 2		Green Roof	0.002		0	0.002
Green Roof (24)	RAINGARDEN PLANTER 1		Green Roof	0.000		0	0.000
TOTAL		0.0		0.194			0.194

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		
Report Title: Rainfall Analysis Criteria			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022	
	Designed by: FG	Checked by: SL
	Approved By: SL	
Report Title: Rainfall Analysis Criteria	Kemp House: 124 City Road London EC1V 2NX	



FEH	Type: FEH
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Site Location	GB 526650 188550 TQ 26650 88550
Rainfall Version	2013
Data Type	Catchment
Summer	☐
Winter	☒

Return Period

Return Period (years)	Increase Rainfall (%)
100.0	40

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate Report Details: Type: Junctions Summary Storm Phase: Phase	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		



S7-CATCHPIT

Storm Event	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
FEH: 100 years: +40 %: 15 mins: Winter	111.250	110.285	110.408	0.123	50.5	0.035	0.000	50.1	31.986	OK
FEH: 100 years: +40 %: 30 mins: Winter	111.250	110.285	110.395	0.110	44.7	0.031	0.000	44.6	41.863	OK
FEH: 100 years: +40 %: 60 mins: Winter	111.250	110.285	110.374	0.089	34.0	0.025	0.000	34.0	51.857	OK
FEH: 100 years: +40 %: 120 mins: Winter	111.250	110.285	110.354	0.069	23.4	0.020	0.000	23.4	67.571	OK
FEH: 100 years: +40 %: 180 mins: Winter	111.250	110.285	110.344	0.059	18.2	0.017	0.000	18.2	77.749	OK
FEH: 100 years: +40 %: 240 mins: Winter	111.250	110.285	110.337	0.052	15.0	0.015	0.000	15.0	85.016	OK
FEH: 100 years: +40 %: 360 mins: Winter	111.250	110.285	110.329	0.044	11.2	0.012	0.000	11.2	94.791	OK
FEH: 100 years: +40 %: 480 mins: Winter	111.250	110.285	110.324	0.039	8.9	0.011	0.000	8.9	100.877	OK
FEH: 100 years: +40 %: 600 mins: Winter	111.250	110.285	110.320	0.035	7.5	0.010	0.000	7.5	105.498	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate Report Details: Type: Junctions Summary Storm Phase: Phase	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		



S6

Storm Event	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
FEH: 100 years: +40 %: 15 mins: Winter	111.920	110.800	111.291	0.491	44.4	0.078	0.000	40.8	27.510	Surcharged
FEH: 100 years: +40 %: 30 mins: Winter	111.920	110.800	111.216	0.416	38.9	0.066	0.000	38.4	36.053	Surcharged
FEH: 100 years: +40 %: 60 mins: Winter	111.920	110.800	110.918	0.118	29.4	0.019	0.000	29.4	44.706	OK
FEH: 100 years: +40 %: 120 mins: Winter	111.920	110.800	110.889	0.089	20.3	0.014	0.000	20.3	58.266	OK
FEH: 100 years: +40 %: 180 mins: Winter	111.920	110.800	110.876	0.076	15.7	0.012	0.000	15.7	67.089	OK
FEH: 100 years: +40 %: 240 mins: Winter	111.920	110.800	110.868	0.068	12.9	0.011	0.000	12.9	73.379	OK
FEH: 100 years: +40 %: 360 mins: Winter	111.920	110.800	110.858	0.058	9.7	0.009	0.000	9.7	81.834	OK
FEH: 100 years: +40 %: 480 mins: Winter	111.920	110.800	110.851	0.051	7.7	0.008	0.000	7.7	87.084	OK
FEH: 100 years: +40 %: 600 mins: Winter	111.920	110.800	110.846	0.046	6.5	0.007	0.000	6.5	91.081	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate Report Details: Type: Junctions Summary Storm Phase: Phase	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		



S5

Storm Event	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
FEH: 100 years: +40 %: 15 mins: Winter	111.700	111.000	111.700	0.700	43.2	0.113	0.002	38.3	24.559	Flood
FEH: 100 years: +40 %: 30 mins: Winter	111.700	111.000	111.557	0.557	35.3	0.089	0.000	34.7	32.209	Flood Risk
FEH: 100 years: +40 %: 60 mins: Winter	111.700	111.000	111.131	0.131	26.4	0.021	0.000	26.4	39.962	OK
FEH: 100 years: +40 %: 120 mins: Winter	111.700	111.000	111.094	0.094	18.2	0.015	0.000	18.2	52.106	OK
FEH: 100 years: +40 %: 180 mins: Winter	111.700	111.000	111.079	0.079	14.1	0.013	0.000	14.1	60.017	OK
FEH: 100 years: +40 %: 240 mins: Winter	111.700	111.000	111.070	0.070	11.6	0.011	0.000	11.6	65.647	OK
FEH: 100 years: +40 %: 360 mins: Winter	111.700	111.000	111.059	0.059	8.7	0.009	0.000	8.7	73.267	OK
FEH: 100 years: +40 %: 480 mins: Winter	111.700	111.000	111.052	0.052	6.9	0.008	0.000	6.9	77.942	OK
FEH: 100 years: +40 %: 600 mins: Winter	111.700	111.000	111.047	0.047	5.8	0.007	0.000	5.8	81.512	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate Report Details: Type: Junctions Summary Storm Phase: Phase	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		



S4

Storm Event	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
FEH: 100 years: +40 %: 15 mins: Winter	112.170	111.480	112.170	0.690	34.4	0.319	0.124	26.6	16.613	Flood
FEH: 100 years: +40 %: 30 mins: Winter	112.170	111.480	111.996	0.516	24.0	0.146	0.000	23.3	21.703	Flood Risk
FEH: 100 years: +40 %: 60 mins: Winter	112.170	111.480	111.574	0.094	17.5	0.027	0.000	17.5	26.877	OK
FEH: 100 years: +40 %: 120 mins: Winter	112.170	111.480	111.554	0.074	12.1	0.021	0.000	12.1	34.946	OK
FEH: 100 years: +40 %: 180 mins: Winter	112.170	111.480	111.544	0.064	9.4	0.018	0.000	9.4	40.222	OK
FEH: 100 years: +40 %: 240 mins: Winter	112.170	111.480	111.537	0.057	7.7	0.016	0.000	7.7	43.961	OK
FEH: 100 years: +40 %: 360 mins: Winter	112.170	111.480	111.529	0.049	5.7	0.014	0.000	5.7	49.032	OK
FEH: 100 years: +40 %: 480 mins: Winter	112.170	111.480	111.524	0.044	4.6	0.012	0.000	4.6	52.110	OK
FEH: 100 years: +40 %: 600 mins: Winter	112.170	111.480	111.520	0.040	3.8	0.011	0.000	3.8	54.582	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Junctions Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



S3

Storm Event	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
FEH: 100 years: +40 %: 15 mins: Winter	114.530	113.335	113.416	0.081	29.3	0.013	0.000	28.9	13.899	OK
FEH: 100 years: +40 %: 30 mins: Winter	114.530	113.335	113.399	0.064	19.6	0.010	0.000	19.6	18.079	OK
FEH: 100 years: +40 %: 60 mins: Winter	114.530	113.335	113.389	0.054	14.3	0.009	0.000	14.3	22.291	OK
FEH: 100 years: +40 %: 120 mins: Winter	114.530	113.335	113.380	0.045	9.9	0.007	0.000	9.9	28.893	OK
FEH: 100 years: +40 %: 180 mins: Winter	114.530	113.335	113.374	0.039	7.7	0.006	0.000	7.7	33.214	OK
FEH: 100 years: +40 %: 240 mins: Winter	114.530	113.335	113.371	0.036	6.3	0.006	0.000	6.3	36.268	OK
FEH: 100 years: +40 %: 360 mins: Winter	114.530	113.335	113.366	0.031	4.7	0.005	0.000	4.7	40.402	OK
FEH: 100 years: +40 %: 480 mins: Winter	114.530	113.335	113.363	0.028	3.8	0.004	0.000	3.8	42.928	OK
FEH: 100 years: +40 %: 600 mins: Winter	114.530	113.335	113.360	0.025	3.2	0.004	0.000	3.1	44.956	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate Report Details: Type: Junctions Summary Storm Phase: Phase	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		



S2

Storm Event	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
FEH: 100 years: +40 %: 15 mins: Winter	114.200	113.450	113.584	0.134	17.2	0.021	0.000	16.7	8.042	OK
FEH: 100 years: +40 %: 30 mins: Winter	114.200	113.450	113.548	0.098	11.3	0.016	0.000	11.3	10.453	OK
FEH: 100 years: +40 %: 60 mins: Winter	114.200	113.450	113.531	0.081	8.3	0.013	0.000	8.3	12.884	OK
FEH: 100 years: +40 %: 120 mins: Winter	114.200	113.450	113.515	0.065	5.7	0.010	0.000	5.7	16.672	OK
FEH: 100 years: +40 %: 180 mins: Winter	114.200	113.450	113.507	0.057	4.4	0.009	0.000	4.4	19.198	OK
FEH: 100 years: +40 %: 240 mins: Winter	114.200	113.450	113.501	0.051	3.7	0.008	0.000	3.7	20.950	OK
FEH: 100 years: +40 %: 360 mins: Winter	114.200	113.450	113.494	0.044	2.7	0.007	0.000	2.7	23.362	OK
FEH: 100 years: +40 %: 480 mins: Winter	114.200	113.450	113.490	0.040	2.2	0.006	0.000	2.2	24.785	OK
FEH: 100 years: +40 %: 600 mins: Winter	114.200	113.450	113.486	0.036	1.8	0.006	0.000	1.8	25.979	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate Report Details: Type: Junctions Summary Storm Phase: Phase	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		



S1

Storm Event	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
FEH: 100 years: +40 %: 15 mins: Winter	114.500	113.750	113.821	0.071	14.2	0.011	0.000	14.0	6.566	OK
FEH: 100 years: +40 %: 30 mins: Winter	114.500	113.750	113.804	0.054	9.2	0.009	0.000	9.2	8.530	OK
FEH: 100 years: +40 %: 60 mins: Winter	114.500	113.750	113.795	0.045	6.8	0.007	0.000	6.8	10.504	OK
FEH: 100 years: +40 %: 120 mins: Winter	114.500	113.750	113.788	0.038	4.7	0.006	0.000	4.7	13.607	OK
FEH: 100 years: +40 %: 180 mins: Winter	114.500	113.750	113.783	0.033	3.6	0.005	0.000	3.6	15.659	OK
FEH: 100 years: +40 %: 240 mins: Winter	114.500	113.750	113.780	0.030	3.0	0.005	0.000	3.0	17.093	OK
FEH: 100 years: +40 %: 360 mins: Winter	114.500	113.750	113.776	0.026	2.2	0.004	0.000	2.2	19.037	OK
FEH: 100 years: +40 %: 480 mins: Winter	114.500	113.750	113.773	0.023	1.8	0.004	0.000	1.8	20.231	OK
FEH: 100 years: +40 %: 600 mins: Winter	114.500	113.750	113.771	0.021	1.5	0.003	0.000	1.5	21.185	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate Report Details: Type: Junctions Summary Storm Phase: Phase	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		



S10

Storm Event	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
FEH: 100 years: +40 %: 15 mins: Winter	111.100	110.750	110.977	0.227	36.6	0.064	0.000	31.3	16.982	Flood Risk
FEH: 100 years: +40 %: 30 mins: Winter	111.100	110.750	110.857	0.107	24.2	0.030	0.000	24.2	22.103	Flood Risk
FEH: 100 years: +40 %: 60 mins: Winter	111.100	110.750	110.836	0.086	17.7	0.024	0.000	17.7	27.283	Flood Risk
FEH: 100 years: +40 %: 120 mins: Winter	111.100	110.750	110.818	0.068	12.2	0.019	0.000	12.2	35.481	Flood Risk
FEH: 100 years: +40 %: 180 mins: Winter	111.100	110.750	110.809	0.059	9.5	0.017	0.000	9.5	40.774	Flood Risk
FEH: 100 years: +40 %: 240 mins: Winter	111.100	110.750	110.803	0.053	7.8	0.015	0.000	7.8	44.525	Flood Risk
FEH: 100 years: +40 %: 360 mins: Winter	111.100	110.750	110.795	0.045	5.8	0.013	0.000	5.8	49.542	OK
FEH: 100 years: +40 %: 480 mins: Winter	111.100	110.750	110.790	0.040	4.7	0.011	0.000	4.7	52.944	OK
FEH: 100 years: +40 %: 600 mins: Winter	111.100	110.750	110.787	0.037	3.9	0.010	0.000	3.9	55.164	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate Report Details: Type: Junctions Summary Storm Phase: Phase	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		



S9

Storm Event	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
FEH: 100 years: +40 %: 15 mins: Winter	114.150	113.595	113.663	0.068	26.6	0.011	0.000	26.5	12.494	OK
FEH: 100 years: +40 %: 30 mins: Winter	114.150	113.595	113.650	0.055	17.6	0.009	0.000	17.6	16.213	OK
FEH: 100 years: +40 %: 60 mins: Winter	114.150	113.595	113.641	0.046	12.9	0.007	0.000	12.9	19.981	OK
FEH: 100 years: +40 %: 120 mins: Winter	114.150	113.595	113.633	0.038	8.8	0.006	0.000	8.8	25.935	OK
FEH: 100 years: +40 %: 180 mins: Winter	114.150	113.595	113.629	0.034	6.9	0.005	0.000	6.9	29.758	OK
FEH: 100 years: +40 %: 240 mins: Winter	114.150	113.595	113.626	0.031	5.7	0.005	0.000	5.7	32.506	OK
FEH: 100 years: +40 %: 360 mins: Winter	114.150	113.595	113.622	0.027	4.2	0.004	0.000	4.2	36.119	OK
FEH: 100 years: +40 %: 480 mins: Winter	114.150	113.595	113.619	0.024	3.4	0.004	0.000	3.4	38.603	OK
FEH: 100 years: +40 %: 600 mins: Winter	114.150	113.595	113.617	0.022	2.8	0.003	0.000	2.8	40.186	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate Report Details: Type: Junctions Summary Storm Phase: Phase	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		



S8

Storm Event	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
FEH: 100 years: +40 %: 15 mins: Winter	114.550	113.800	113.895	0.095	10.9	0.015	0.000	10.6	5.079	OK
FEH: 100 years: +40 %: 30 mins: Winter	114.550	113.800	113.874	0.074	7.1	0.012	0.000	7.1	6.590	OK
FEH: 100 years: +40 %: 60 mins: Winter	114.550	113.800	113.862	0.062	5.2	0.010	0.000	5.2	8.121	OK
FEH: 100 years: +40 %: 120 mins: Winter	114.550	113.800	113.851	0.051	3.6	0.008	0.000	3.6	10.552	OK
FEH: 100 years: +40 %: 180 mins: Winter	114.550	113.800	113.845	0.045	2.8	0.007	0.000	2.8	12.101	OK
FEH: 100 years: +40 %: 240 mins: Winter	114.550	113.800	113.840	0.040	2.3	0.006	0.000	2.3	13.223	OK
FEH: 100 years: +40 %: 360 mins: Winter	114.550	113.800	113.835	0.035	1.7	0.006	0.000	1.7	14.663	OK
FEH: 100 years: +40 %: 480 mins: Winter	114.550	113.800	113.831	0.031	1.4	0.005	0.000	1.4	15.696	OK
FEH: 100 years: +40 %: 600 mins: Winter	114.550	113.800	113.829	0.029	1.1	0.005	0.000	1.1	16.313	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate Report Details: Type: Junctions Summary Storm Phase: Phase	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		



S11-CATCHPIT

Storm Event	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
FEH: 100 years: +40 %: 15 mins: Winter	110.700	110.400	110.502	0.102	34.8	0.016	0.000	34.4	18.620	Flood Risk
FEH: 100 years: +40 %: 30 mins: Winter	110.700	110.400	110.484	0.084	26.5	0.013	0.000	26.5	24.232	Flood Risk
FEH: 100 years: +40 %: 60 mins: Winter	110.700	110.400	110.469	0.069	19.4	0.011	0.000	19.4	29.904	Flood Risk
FEH: 100 years: +40 %: 120 mins: Winter	110.700	110.400	110.455	0.055	13.3	0.009	0.000	13.3	38.882	Flood Risk
FEH: 100 years: +40 %: 180 mins: Winter	110.700	110.400	110.448	0.048	10.4	0.008	0.000	10.4	44.677	Flood Risk
FEH: 100 years: +40 %: 240 mins: Winter	110.700	110.400	110.443	0.043	8.5	0.007	0.000	8.5	48.774	Flood Risk
FEH: 100 years: +40 %: 360 mins: Winter	110.700	110.400	110.437	0.037	6.3	0.006	0.000	6.3	54.272	Flood Risk
FEH: 100 years: +40 %: 480 mins: Winter	110.700	110.400	110.433	0.033	5.1	0.005	0.000	5.1	57.999	Flood Risk
FEH: 100 years: +40 %: 600 mins: Winter	110.700	110.400	110.430	0.030	4.3	0.005	0.000	4.3	60.478	Flood Risk

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate Report Details: Type: Junctions Summary Storm Phase: Phase	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		



S12-FLOW CONTROL CHAMBER

Storm Event	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
FEH: 100 years: +40 %: 15 mins: Winter	110.200	108.770	109.376	0.606	3.2	0.096	0.000	2.7	3.396	Surcharged
FEH: 100 years: +40 %: 30 mins: Winter	110.200	108.770	109.539	0.769	3.3	0.122	0.000	3.0	8.215	Surcharged
FEH: 100 years: +40 %: 60 mins: Winter	110.200	108.770	109.678	0.908	3.4	0.144	0.000	3.3	18.345	Surcharged
FEH: 100 years: +40 %: 120 mins: Winter	110.200	108.770	109.868	1.098	3.7	0.175	0.000	3.6	40.382	Surcharged
FEH: 100 years: +40 %: 180 mins: Winter	110.200	108.770	109.951	1.181	3.8	0.188	0.000	3.8	62.074	Flood Risk
FEH: 100 years: +40 %: 240 mins: Winter	110.200	108.770	109.981	1.211	3.8	0.193	0.000	3.8	82.411	Flood Risk
FEH: 100 years: +40 %: 360 mins: Winter	110.200	108.770	109.987	1.217	3.8	0.194	0.000	3.8	117.557	Flood Risk
FEH: 100 years: +40 %: 480 mins: Winter	110.200	108.770	109.958	1.188	3.8	0.189	0.000	3.8	144.351	Flood Risk
FEH: 100 years: +40 %: 600 mins: Winter	110.200	108.770	109.913	1.143	3.7	0.182	0.000	3.7	162.559	Flood Risk

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate Report Details: Type: Junctions Summary Storm Phase: Phase	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		



PROPOSED TIE IN POINT

Storm Event	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
FEH: 100 years: +40 %: 15 mins: Winter	108.300	108.000	108.023	0.023	2.7	0.000	0.000	2.7	3.367	Flood Risk
FEH: 100 years: +40 %: 30 mins: Winter	108.300	108.000	108.025	0.025	3.0	0.000	0.000	3.0	8.184	Flood Risk
FEH: 100 years: +40 %: 60 mins: Winter	108.300	108.000	108.026	0.026	3.3	0.000	0.000	3.3	18.314	Flood Risk
FEH: 100 years: +40 %: 120 mins: Winter	108.300	108.000	108.027	0.027	3.6	0.000	0.000	3.6	40.350	Flood Risk
FEH: 100 years: +40 %: 180 mins: Winter	108.300	108.000	108.028	0.028	3.8	0.000	0.000	3.8	62.043	Flood Risk
FEH: 100 years: +40 %: 240 mins: Winter	108.300	108.000	108.028	0.028	3.8	0.000	0.000	3.8	82.381	Flood Risk
FEH: 100 years: +40 %: 360 mins: Winter	108.300	108.000	108.028	0.028	3.8	0.000	0.000	3.8	117.531	Flood Risk
FEH: 100 years: +40 %: 480 mins: Winter	108.300	108.000	108.028	0.028	3.8	0.000	0.000	3.8	144.329	Flood Risk
FEH: 100 years: +40 %: 600 mins: Winter	108.300	108.000	108.027	0.027	3.7	0.000	0.000	3.7	162.543	Flood Risk

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



Tank

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 100 years: +40 %: 15 mins: Winter	109.377	109.377	0.577	0.577	84.6	47.698	0.000	0.000	3.2	4.087	159	52	OK
FEH: 100 years: +40 %: 30 mins: Winter	109.540	109.540	0.740	0.740	71.1	61.150	0.000	0.000	3.3	9.054	245	38	OK
FEH: 100 years: +40 %: 60 mins: Winter	109.679	109.679	0.879	0.879	53.4	72.621	0.000	0.000	3.4	19.262	241	27	OK
FEH: 100 years: +40 %: 120 mins: Winter	109.870	109.870	1.070	1.070	36.8	88.413	0.000	0.000	3.7	41.335	240	11	OK
FEH: 100 years: +40 %: 180 mins: Winter	109.953	109.953	1.153	1.153	28.6	95.265	0.000	0.000	3.8	62.948	278	4	OK
FEH: 100 years: +40 %: 240 mins: Winter	109.983	109.983	1.183	1.183	23.5	97.744	0.000	0.000	3.8	83.161	258	1	OK
FEH: 100 years: +40 %: 360 mins: Winter	109.989	109.989	1.189	1.189	17.5	98.243	0.000	0.000	3.8	118.031	256	1	OK
FEH: 100 years: +40 %: 480 mins: Winter	109.960	109.960	1.160	1.160	14.0	95.850	0.000	0.000	3.8	144.588	251	3	OK
FEH: 100 years: +40 %: 600 mins: Winter	109.915	109.915	1.115	1.115	11.7	92.139	0.000	0.000	3.7	162.641	243	7	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



Infiltration Trench 4

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 100 years: +40 %: 15 mins: Winter	114.464	114.395	0.079	0.055	9.8	0.045	0.000	0.000	9.7	4.540	0	92	OK
FEH: 100 years: +40 %: 30 mins: Winter	114.445	114.383	0.060	0.043	6.4	0.035	0.000	0.000	6.4	5.891	0	94	OK
FEH: 100 years: +40 %: 60 mins: Winter	114.435	114.376	0.050	0.036	4.7	0.029	0.000	0.000	4.7	7.253	0	95	OK
FEH: 100 years: +40 %: 120 mins: Winter	114.426	114.370	0.041	0.030	3.2	0.024	0.000	0.000	3.2	9.425	0	96	OK
FEH: 100 years: +40 %: 180 mins: Winter	114.421	114.366	0.036	0.026	2.5	0.021	0.000	0.000	2.5	10.817	0	96	OK
FEH: 100 years: +40 %: 240 mins: Winter	114.418	114.364	0.033	0.024	2.1	0.019	0.000	0.000	2.1	11.826	0	97	OK
FEH: 100 years: +40 %: 360 mins: Winter	114.413	114.360	0.028	0.020	1.5	0.016	0.000	0.000	1.5	13.116	0	97	OK
FEH: 100 years: +40 %: 480 mins: Winter	114.410	114.358	0.025	0.018	1.2	0.015	0.000	0.000	1.2	14.010	0	97	OK
FEH: 100 years: +40 %: 600 mins: Winter	114.408	114.357	0.023	0.017	1.0	0.014	0.000	0.000	1.0	14.580	0	98	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



Infiltration Trench 1

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 100 years: +40 %: 15 mins: Winter	114.579	114.522	0.044	0.032	3.7	0.026	0.000	0.000	3.7	1.718	0	95	OK
FEH: 100 years: +40 %: 30 mins: Winter	114.571	114.516	0.036	0.026	2.4	0.021	0.000	0.000	2.4	2.231	0	96	OK
FEH: 100 years: +40 %: 60 mins: Winter	114.565	114.512	0.030	0.022	1.8	0.018	0.000	0.000	1.8	2.753	0	97	OK
FEH: 100 years: +40 %: 120 mins: Winter	114.560	114.508	0.025	0.018	1.2	0.015	0.000	0.000	1.2	3.563	0	97	OK
FEH: 100 years: +40 %: 180 mins: Winter	114.557	114.506	0.022	0.016	0.9	0.013	0.000	0.000	0.9	4.097	0	98	OK
FEH: 100 years: +40 %: 240 mins: Winter	114.555	114.505	0.020	0.015	0.8	0.012	0.000	0.000	0.8	4.488	0	98	OK
FEH: 100 years: +40 %: 360 mins: Winter	114.553	114.503	0.018	0.013	0.6	0.010	0.000	0.000	0.6	4.974	0	98	OK
FEH: 100 years: +40 %: 480 mins: Winter	114.551	114.502	0.016	0.012	0.5	0.009	0.000	0.000	0.5	5.292	0	98	OK
FEH: 100 years: +40 %: 600 mins: Winter	114.550	114.501	0.015	0.011	0.4	0.009	0.000	0.000	0.4	5.562	0	98	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



Infiltration Trench 2

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 100 years: +40 %: 15 mins: Winter	114.436	114.411	0.016	0.011	0.5	0.002	0.000	0.000	0.5	0.225	0	98	OK
FEH: 100 years: +40 %: 30 mins: Winter	114.433	114.409	0.013	0.009	0.3	0.001	0.000	0.000	0.3	0.294	0	98	OK
FEH: 100 years: +40 %: 60 mins: Winter	114.431	114.408	0.011	0.008	0.2	0.001	0.000	0.000	0.2	0.360	0	99	OK
FEH: 100 years: +40 %: 120 mins: Winter	114.430	114.406	0.010	0.006	0.2	0.001	0.000	0.000	0.2	0.474	0	99	OK
FEH: 100 years: +40 %: 180 mins: Winter	114.428	114.406	0.008	0.006	0.1	0.001	0.000	0.000	0.1	0.534	0	99	OK
FEH: 100 years: +40 %: 240 mins: Winter	114.428	114.405	0.008	0.005	0.1	0.001	0.000	0.000	0.1	0.588	0	99	OK
FEH: 100 years: +40 %: 360 mins: Winter	114.427	114.405	0.007	0.005	0.1	0.001	0.000	0.000	0.1	0.636	0	99	OK
FEH: 100 years: +40 %: 480 mins: Winter	114.426	114.404	0.006	0.004	0.1	0.001	0.000	0.000	0.1	0.690	0	99	OK
FEH: 100 years: +40 %: 600 mins: Winter	114.426	114.403	0.006	0.003	0.1	0.001	0.000	0.000	0.1	0.732	0	99	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



Infiltration Trench 3

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 100 years: +40 %: 15 mins: Winter	114.635	114.541	0.097	0.051	12.3	0.054	0.000	0.000	12.1	5.659	0	91	OK
FEH: 100 years: +40 %: 30 mins: Winter	114.606	114.531	0.068	0.041	8.0	0.039	0.000	0.000	8.0	7.342	0	93	OK
FEH: 100 years: +40 %: 60 mins: Winter	114.595	114.524	0.057	0.034	5.8	0.033	0.000	0.000	5.8	9.047	0	95	OK
FEH: 100 years: +40 %: 120 mins: Winter	114.585	114.518	0.046	0.028	4.0	0.027	0.000	0.000	4.0	11.747	0	96	OK
FEH: 100 years: +40 %: 180 mins: Winter	114.579	114.515	0.041	0.025	3.1	0.024	0.000	0.000	3.1	13.481	0	96	OK
FEH: 100 years: +40 %: 240 mins: Winter	114.575	114.513	0.037	0.023	2.6	0.022	0.000	0.000	2.6	14.729	0	96	OK
FEH: 100 years: +40 %: 360 mins: Winter	114.570	114.510	0.032	0.020	1.9	0.019	0.000	0.000	1.9	16.404	0	97	OK
FEH: 100 years: +40 %: 480 mins: Winter	114.567	114.508	0.029	0.018	1.5	0.017	0.000	0.000	1.5	17.454	0	97	OK
FEH: 100 years: +40 %: 600 mins: Winter	114.564	114.506	0.026	0.016	1.3	0.015	0.000	0.000	1.3	18.246	0	97	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



Infiltration Trench 5

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 100 years: +40 %: 15 mins: Winter	114.461	114.385	0.076	0.045	9.5	0.041	0.000	0.000	9.5	4.399	0	93	OK
FEH: 100 years: +40 %: 30 mins: Winter	114.443	114.375	0.058	0.035	6.2	0.031	0.000	0.000	6.2	5.705	0	94	OK
FEH: 100 years: +40 %: 60 mins: Winter	114.434	114.370	0.049	0.030	4.5	0.027	0.000	0.000	4.5	7.025	0	95	OK
FEH: 100 years: +40 %: 120 mins: Winter	114.426	114.365	0.041	0.025	3.1	0.022	0.000	0.000	3.1	9.113	0	96	OK
FEH: 100 years: +40 %: 180 mins: Winter	114.421	114.362	0.036	0.022	2.4	0.019	0.000	0.000	2.4	10.458	0	97	OK
FEH: 100 years: +40 %: 240 mins: Winter	114.417	114.360	0.032	0.020	2.0	0.018	0.000	0.000	2.0	11.430	0	97	OK
FEH: 100 years: +40 %: 360 mins: Winter	114.413	114.357	0.028	0.017	1.5	0.015	0.000	0.000	1.5	12.732	0	97	OK
FEH: 100 years: +40 %: 480 mins: Winter	114.410	114.355	0.025	0.015	1.2	0.014	0.000	0.000	1.2	13.572	0	98	OK
FEH: 100 years: +40 %: 600 mins: Winter	114.408	114.354	0.023	0.014	1.0	0.013	0.000	0.000	1.0	14.148	0	98	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



RAINGARDEN PLANTER 1

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 100 years: +40 %: 15 mins: Winter	114.333	114.327	0.733	0.727	3.9	0.405	0.000	0.000	3.8	1.423	2	62	OK
FEH: 100 years: +40 %: 30 mins: Winter	114.327	114.323	0.727	0.723	2.5	0.400	0.000	0.000	2.5	1.969	4	63	OK
FEH: 100 years: +40 %: 60 mins: Winter	114.323	114.320	0.723	0.720	1.9	0.396	0.000	0.000	1.9	2.510	4	63	OK
FEH: 100 years: +40 %: 120 mins: Winter	114.319	114.316	0.719	0.716	1.3	0.393	0.000	0.000	1.3	3.350	6	63	OK
FEH: 100 years: +40 %: 180 mins: Winter	114.317	114.314	0.717	0.714	1.0	0.391	0.000	0.000	1.0	3.902	6	64	OK
FEH: 100 years: +40 %: 240 mins: Winter	114.315	114.313	0.715	0.713	0.8	0.389	0.000	0.000	0.8	4.298	8	64	OK
FEH: 100 years: +40 %: 360 mins: Winter	114.313	114.312	0.713	0.712	0.6	0.387	0.000	0.000	0.6	4.844	11	64	OK
FEH: 100 years: +40 %: 480 mins: Winter	114.312	114.310	0.712	0.710	0.5	0.386	0.000	0.000	0.5	5.162	14	64	OK
FEH: 100 years: +40 %: 600 mins: Winter	114.311	114.309	0.711	0.709	0.4	0.385	0.000	0.000	0.4	5.438	16	64	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



RAINGARDEN PLANTER 2

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 100 years: +40 %: 15 mins: Winter	112.812	112.253	0.812	0.253	2.8	0.343	0.000	0.000	1.6	1.287	3	72	OK
FEH: 100 years: +40 %: 30 mins: Winter	112.639	112.250	0.639	0.250	1.8	0.225	0.000	0.000	1.8	1.670	1	82	OK
FEH: 100 years: +40 %: 60 mins: Winter	112.253	112.016	0.253	0.016	1.3	0.156	0.000	0.000	1.3	2.080	1	87	OK
FEH: 100 years: +40 %: 120 mins: Winter	112.253	112.013	0.253	0.013	0.9	0.134	0.000	0.000	0.9	2.705	2	89	OK
FEH: 100 years: +40 %: 180 mins: Winter	112.252	112.012	0.252	0.012	0.7	0.120	0.000	0.000	0.7	3.108	2	90	OK
FEH: 100 years: +40 %: 240 mins: Winter	112.252	112.011	0.252	0.011	0.6	0.111	0.000	0.000	0.6	3.396	2	91	OK
FEH: 100 years: +40 %: 360 mins: Winter	112.251	112.009	0.251	0.009	0.4	0.099	0.000	0.000	0.4	3.786	3	92	OK
FEH: 100 years: +40 %: 480 mins: Winter	112.251	112.008	0.251	0.008	0.4	0.091	0.000	0.000	0.3	4.020	4	93	OK
FEH: 100 years: +40 %: 600 mins: Winter	112.251	112.008	0.251	0.008	0.3	0.086	0.000	0.000	0.3	4.189	4	93	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



RAINGARDEN PLANTER 4

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 100 years: +40 %: 15 mins: Winter	111.830	111.829	0.830	0.829	2.9	0.236	0.000	0.000	2.8	1.104	2	62	OK
FEH: 100 years: +40 %: 30 mins: Winter	111.825	111.824	0.825	0.824	1.9	0.234	0.000	0.000	1.8	1.494	3	62	OK
FEH: 100 years: +40 %: 60 mins: Winter	111.822	111.821	0.822	0.821	1.4	0.232	0.000	0.000	1.4	1.896	3	63	OK
FEH: 100 years: +40 %: 120 mins: Winter	111.818	111.817	0.818	0.817	0.9	0.230	0.000	0.000	0.9	2.521	4	63	OK
FEH: 100 years: +40 %: 180 mins: Winter	111.816	111.815	0.816	0.815	0.7	0.229	0.000	0.000	0.7	2.923	6	63	OK
FEH: 100 years: +40 %: 240 mins: Winter	111.814	111.814	0.814	0.814	0.6	0.228	0.000	0.000	0.6	3.217	7	63	OK
FEH: 100 years: +40 %: 360 mins: Winter	111.813	111.812	0.813	0.812	0.4	0.227	0.000	0.000	0.4	3.613	9	63	OK
FEH: 100 years: +40 %: 480 mins: Winter	111.811	111.811	0.811	0.811	0.4	0.227	0.000	0.000	0.4	3.859	10	63	OK
FEH: 100 years: +40 %: 600 mins: Winter	111.810	111.810	0.810	0.810	0.3	0.226	0.000	0.000	0.3	4.003	12	64	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



RAINGARDEN PLANTER 5

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 100 years: +40 %: 15 mins: Winter	111.831	111.826	0.831	0.826	4.9	0.236	0.000	0.000	4.9	2.064	1	62	OK
FEH: 100 years: +40 %: 30 mins: Winter	111.827	111.824	0.827	0.824	3.2	0.234	0.000	0.000	3.2	2.748	1	62	OK
FEH: 100 years: +40 %: 60 mins: Winter	111.823	111.820	0.823	0.820	2.3	0.232	0.000	0.000	2.3	3.438	2	63	OK
FEH: 100 years: +40 %: 120 mins: Winter	111.819	111.817	0.819	0.817	1.6	0.230	0.000	0.000	1.6	4.518	3	63	OK
FEH: 100 years: +40 %: 180 mins: Winter	111.817	111.815	0.817	0.815	1.3	0.229	0.000	0.000	1.3	5.209	3	63	OK
FEH: 100 years: +40 %: 240 mins: Winter	111.815	111.813	0.815	0.813	1.0	0.228	0.000	0.000	1.0	5.707	5	63	OK
FEH: 100 years: +40 %: 360 mins: Winter	111.813	111.812	0.813	0.812	0.8	0.227	0.000	0.000	0.8	6.403	5	63	OK
FEH: 100 years: +40 %: 480 mins: Winter	111.812	111.810	0.812	0.810	0.6	0.227	0.000	0.000	0.6	6.823	7	63	OK
FEH: 100 years: +40 %: 600 mins: Winter	111.811	111.810	0.811	0.810	0.5	0.226	0.000	0.000	0.5	7.111	8	64	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



RAINGARDEN PLANTER 7

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 100 years: +40 %: 15 mins: Winter	113.059	113.055	0.829	0.825	3.4	0.235	0.000	0.000	3.4	1.377	2	62	OK
FEH: 100 years: +40 %: 30 mins: Winter	113.053	113.050	0.823	0.820	2.2	0.232	0.000	0.000	2.2	1.848	2	63	OK
FEH: 100 years: +40 %: 60 mins: Winter	113.050	113.047	0.820	0.817	1.6	0.230	0.000	0.000	1.6	2.329	2	63	OK
FEH: 100 years: +40 %: 120 mins: Winter	113.047	113.044	0.817	0.814	1.1	0.229	0.000	0.000	1.1	3.085	3	63	OK
FEH: 100 years: +40 %: 180 mins: Winter	113.045	113.043	0.815	0.813	0.9	0.228	0.000	0.000	0.9	3.571	5	63	OK
FEH: 100 years: +40 %: 240 mins: Winter	113.043	113.041	0.813	0.811	0.7	0.227	0.000	0.000	0.7	3.931	6	63	OK
FEH: 100 years: +40 %: 360 mins: Winter	113.042	113.040	0.812	0.810	0.5	0.227	0.000	0.000	0.5	4.393	7	64	OK
FEH: 100 years: +40 %: 480 mins: Winter	113.040	113.039	0.810	0.809	0.4	0.226	0.000	0.000	0.4	4.717	9	64	OK
FEH: 100 years: +40 %: 600 mins: Winter	113.040	113.038	0.810	0.808	0.4	0.226	0.000	0.000	0.4	4.885	11	64	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



RAINGARDEN PLANTER 6

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 100 years: +40 %: 15 mins: Winter	112.368	112.366	0.818	0.816	4.2	0.097	0.000	0.000	3.8	1.908	0	86	OK
FEH: 100 years: +40 %: 30 mins: Winter	112.358	111.804	0.808	0.254	2.7	0.088	0.000	0.000	2.7	2.489	1	87	OK
FEH: 100 years: +40 %: 60 mins: Winter	112.354	111.800	0.804	0.250	2.0	0.086	0.000	0.000	2.0	3.059	0	87	OK
FEH: 100 years: +40 %: 120 mins: Winter	111.807	111.562	0.257	0.012	1.4	0.069	0.000	0.000	1.4	3.989	0	90	OK
FEH: 100 years: +40 %: 180 mins: Winter	111.806	111.560	0.256	0.010	1.1	0.063	0.000	0.000	1.1	4.583	0	91	OK
FEH: 100 years: +40 %: 240 mins: Winter	111.805	111.560	0.255	0.010	0.9	0.058	0.000	0.000	0.9	5.003	1	92	OK
FEH: 100 years: +40 %: 360 mins: Winter	111.804	111.558	0.254	0.008	0.6	0.052	0.000	0.000	0.6	5.543	1	92	OK
FEH: 100 years: +40 %: 480 mins: Winter	111.803	111.557	0.253	0.007	0.5	0.048	0.000	0.000	0.5	5.915	1	93	OK
FEH: 100 years: +40 %: 600 mins: Winter	111.803	111.557	0.253	0.007	0.4	0.045	0.000	0.000	0.4	6.209	1	93	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 100 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



RAINGARDEN PLANTER 3

Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
FEH: 100 years: +40 %: 15 mins: Winter	111.837	111.836	0.837	0.836	3.3	0.239	0.000	0.000	3.2	1.290	2	61	OK
FEH: 100 years: +40 %: 30 mins: Winter	111.830	111.829	0.830	0.829	2.1	0.236	0.000	0.000	2.1	1.740	2	62	OK
FEH: 100 years: +40 %: 60 mins: Winter	111.826	111.825	0.826	0.825	1.6	0.234	0.000	0.000	1.6	2.190	2	62	OK
FEH: 100 years: +40 %: 120 mins: Winter	111.821	111.821	0.821	0.821	1.1	0.232	0.000	0.000	1.1	2.899	3	63	OK
FEH: 100 years: +40 %: 180 mins: Winter	111.819	111.819	0.819	0.819	0.8	0.231	0.000	0.000	0.8	3.373	4	63	OK
FEH: 100 years: +40 %: 240 mins: Winter	111.817	111.817	0.817	0.817	0.7	0.230	0.000	0.000	0.7	3.697	5	63	OK
FEH: 100 years: +40 %: 360 mins: Winter	111.815	111.815	0.815	0.815	0.5	0.229	0.000	0.000	0.5	4.129	9	63	OK
FEH: 100 years: +40 %: 480 mins: Winter	111.813	111.813	0.813	0.813	0.4	0.228	0.000	0.000	0.4	4.405	10	63	OK
FEH: 100 years: +40 %: 600 mins: Winter	111.812	111.812	0.812	0.812	0.3	0.227	0.000	0.000	0.3	4.615	12	63	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 30 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Inflow Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	RAINGARDEN PLANTER 7		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (1)	S10		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (2)	S10		Time of Concentration	0.000	100	0	100	0.000
Catchment Area (3)	S11-CATCHPIT		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (4)	S9		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (5)	S7-CATCHPIT		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (6)	S9		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (7)	S7-CATCHPIT		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (8)	S8		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (9)	S1		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (10)	RAINGARDEN PLANTER 6		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (11)	S1		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (12)	RAINGARDEN PLANTER 5		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (13)	S2		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (14)	RAINGARDEN PLANTER 4		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (15)	S2		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (16)	RAINGARDEN PLANTER 1		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (17)	RAINGARDEN PLANTER 3		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (18)	RAINGARDEN PLANTER 2		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (19)	RAINGARDEN PLANTER 1		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (20)	S1		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (21)	Infiltration Trench 5		Time of Concentration	0.012	100	0	100	0.012
Catchment Area (22)	Infiltration Trench 4		Time of Concentration	0.013	100	0	100	0.013
Catchment Area (23)	Infiltration Trench 1		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (24)	Infiltration Trench 3		Time of Concentration	0.016	100	0	100	0.016
Catchment Area (25)	S10		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (26)	Infiltration Trench 2		Time of Concentration	0.001	100	0	100	0.001
Catchment Area (27)	S7-CATCHPIT		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (28)	S6		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (29)	S5		Time of Concentration	0.010	100	0	100	0.010
Catchment Area (30)	S7-CATCHPIT		Time of Concentration	0.001	100	0	100	0.001

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 30 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate		Date: 17/08/2022	
Report Details: Type: Inflow Summary Storm Phase: Phase		Designed by: FG	Checked by: SL
		Approved By: SL	
		Kemp House: 124 City Road London EC1V 2NX	



Green Roof	S11-CATCHPIT		Green Roof	0.001	0	0.001
Green Roof (1)	S7-CATCHPIT		Green Roof	0.001	0	0.001
Green Roof (2)	S11-CATCHPIT		Green Roof	0.000	0	0.000
Green Roof (3)	S10		Green Roof	0.001	0	0.001
Green Roof (4)	RAINGARDEN PLANTER 7		Green Roof	0.001	0	0.001
Green Roof (5)	S9		Green Roof	0.001	0	0.001
Green Roof (6)	S11-CATCHPIT		Green Roof	0.000	0	0.000
Green Roof (7)	S10		Green Roof	0.000	0	0.000
Green Roof (8)	S9		Green Roof	0.004	0	0.004
Green Roof (9)	S9		Green Roof	0.005	0	0.005
Green Roof (10)	S7-CATCHPIT		Green Roof	0.004	0	0.004
Green Roof (11)	S7-CATCHPIT		Green Roof	0.001	0	0.001
Green Roof (12)	S7-CATCHPIT		Green Roof	0.003	0	0.003
Green Roof (13)	S8		Green Roof	0.005	0	0.005
Green Roof (14)	RAINGARDEN PLANTER 6		Green Roof	0.001	0	0.001
Green Roof (15)	S2		Green Roof	0.003	0	0.003
Green Roof (16)	RAINGARDEN PLANTER 5		Green Roof	0.000	0	0.000
Green Roof (17)	RAINGARDEN PLANTER 4		Green Roof	0.003	0	0.003
Green Roof (18)	S2		Green Roof	0.003	0	0.003
Green Roof (19)	RAINGARDEN PLANTER 3		Green Roof	0.002	0	0.002
Green Roof (20)	RAINGARDEN PLANTER 1		Green Roof	0.001	0	0.001
Green Roof (21)	RAINGARDEN PLANTER 3		Green Roof	0.000	0	0.000
Green Roof (22)	RAINGARDEN PLANTER 1		Green Roof	0.003	0	0.003
Green Roof (23)	RAINGARDEN PLANTER 2		Green Roof	0.002	0	0.002
Green Roof (24)	RAINGARDEN PLANTER 1		Green Roof	0.000	0	0.000
TOTAL		0.0		0.194		0.194

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 30 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		
Report Title: Rainfall Analysis Criteria			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 30 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022	
	Designed by: FG	Checked by: SL
	Approved By: SL	
Report Title: Rainfall Analysis Criteria	Kemp House: 124 City Road London EC1V 2NX	



FEH	Type: FEH
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Site Location	GB 526650 188550 TQ 26650 88550
Rainfall Version	2013
Data Type	Catchment
Summer	☐
Winter	☒

Return Period

Return Period (years)	Increase Rainfall (%)
30.0	40

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 30 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Junctions Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



Critical Storm

Junction	Storm Event	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
S7-CATCHPIT	FEH: 30 years: +40 %: 15 mins: Winter	111.250	110.285	110.389	0.104	41.9	0.030	0.000	41.7	23.917	OK
S6	FEH: 30 years: +40 %: 15 mins: Winter	111.920	110.800	111.052	0.252	36.6	0.040	0.000	34.6	20.531	Surcharged
S5	FEH: 30 years: +40 %: 15 mins: Winter	111.700	111.000	111.348	0.348	35.0	0.055	0.000	31.7	18.302	Surcharged
S4	FEH: 30 years: +40 %: 15 mins: Winter	112.170	111.480	111.727	0.247	26.2	0.070	0.000	21.0	12.456	Surcharged
S3	FEH: 30 years: +40 %: 15 mins: Winter	114.530	113.335	113.403	0.068	22.3	0.011	0.000	21.9	10.531	OK
S2	FEH: 30 years: +40 %: 15 mins: Winter	114.200	113.450	113.557	0.107	13.1	0.017	0.000	12.7	6.092	OK
S1	FEH: 30 years: +40 %: 15 mins: Winter	114.500	113.750	113.809	0.059	10.7	0.009	0.000	10.6	4.976	OK
S10	FEH: 30 years: +40 %: 15 mins: Winter	111.100	110.750	110.867	0.117	27.5	0.033	0.000	26.7	12.786	Flood Risk
S9	FEH: 30 years: +40 %: 15 mins: Winter	114.150	113.595	113.653	0.058	20.1	0.009	0.000	19.8	9.448	OK
S8	FEH: 30 years: +40 %: 15 mins: Winter	114.550	113.800	113.880	0.080	8.3	0.013	0.000	8.0	3.840	OK
S11-CATCHPIT	FEH: 30 years: +40 %: 15 mins: Winter	110.700	110.400	110.490	0.090	29.4	0.014	0.000	29.1	14.023	Flood Risk
S12-FLOW CONTROL CHAMBER	FEH: 30 years: +40 %: 240 mins: Winter	110.200	108.770	109.619	0.849	3.2	0.135	0.000	3.2	67.421	Surcharged
PROPOSED TIE IN POINT	FEH: 30 years: +40 %: 240 mins: Winter	108.300	108.000	108.025	0.025	3.2	0.000	0.000	3.2	67.395	Flood Risk

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 30 Year +40% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



Critical Storm

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
Tank	FEH: 30 years: +40 %: 240 mins: Winter	109.620	109.620	0.820	0.820	17.2	67.777	0.000	0.000	3.2	67.871	213	32	OK
Infiltration Trench 4	FEH: 30 years: +40 %: 15 mins: Winter	114.450	114.386	0.065	0.046	7.4	0.038	0.000	0.000	7.4	3.433	0	93	OK
Infiltration Trench 1	FEH: 30 years: +40 %: 15 mins: Winter	114.573	114.518	0.038	0.028	2.8	0.022	0.000	0.000	2.8	1.301	0	96	OK
Infiltration Trench 2	FEH: 30 years: +40 %: 15 mins: Winter	114.434	114.410	0.014	0.010	0.4	0.002	0.000	0.000	0.4	0.171	0	98	OK
Infiltration Trench 3	FEH: 30 years: +40 %: 15 mins: Winter	114.613	114.534	0.075	0.044	9.3	0.043	0.000	0.000	9.2	4.282	0	93	OK
Infiltration Trench 5	FEH: 30 years: +40 %: 15 mins: Winter	114.449	114.378	0.064	0.038	7.2	0.034	0.000	0.000	7.2	3.325	0	94	OK
RAINGARDEN PLANTER 1	FEH: 30 years: +40 %: 15 mins: Winter	114.329	114.325	0.729	0.725	2.9	0.402	0.000	0.000	2.9	0.991	3	63	OK
RAINGARDEN PLANTER 2	FEH: 30 years: +40 %: 15 mins: Winter	112.545	112.250	0.545	0.250	2.1	0.207	0.000	0.000	1.4	0.954	2	83	OK
RAINGARDEN PLANTER 4	FEH: 30 years: +40 %: 15 mins: Winter	111.827	111.826	0.827	0.826	2.2	0.235	0.000	0.000	2.1	0.780	2	62	OK
RAINGARDEN PLANTER 5	FEH: 30 years: +40 %: 15 mins: Winter	111.829	111.826	0.829	0.826	3.7	0.235	0.000	0.000	3.7	1.512	2	62	OK
RAINGARDEN PLANTER 7	FEH: 30 years: +40 %: 15 mins: Winter	113.055	113.051	0.825	0.821	2.6	0.233	0.000	0.000	2.6	0.987	1	63	OK
RAINGARDEN PLANTER 6	FEH: 30 years: +40 %: 15 mins: Winter	112.360	111.806	0.810	0.256	3.2	0.089	0.000	0.000	3.1	1.443	0	87	OK
RAINGARDEN PLANTER 3	FEH: 30 years: +40 %: 15 mins: Winter	111.831	111.830	0.831	0.830	2.5	0.237	0.000	0.000	2.4	0.921	1	62	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 30 Year +0% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Inflow Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



Nimbus
ENGINEERING CONSULTANTS



Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	RAINGARDEN PLANTER 7		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (1)	S10		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (2)	S10		Time of Concentration	0.000	100	0	100	0.000
Catchment Area (3)	S11-CATCHPIT		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (4)	S9		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (5)	S7-CATCHPIT		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (6)	S9		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (7)	S7-CATCHPIT		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (8)	S8		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (9)	S1		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (10)	RAINGARDEN PLANTER 6		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (11)	S1		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (12)	RAINGARDEN PLANTER 5		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (13)	S2		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (14)	RAINGARDEN PLANTER 4		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (15)	S2		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (16)	RAINGARDEN PLANTER 1		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (17)	RAINGARDEN PLANTER 3		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (18)	RAINGARDEN PLANTER 2		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (19)	RAINGARDEN PLANTER 1		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (20)	S1		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (21)	Infiltration Trench 5		Time of Concentration	0.012	100	0	100	0.012
Catchment Area (22)	Infiltration Trench 4		Time of Concentration	0.013	100	0	100	0.013
Catchment Area (23)	Infiltration Trench 1		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (24)	Infiltration Trench 3		Time of Concentration	0.016	100	0	100	0.016
Catchment Area (25)	S10		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (26)	Infiltration Trench 2		Time of Concentration	0.001	100	0	100	0.001
Catchment Area (27)	S7-CATCHPIT		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (28)	S6		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (29)	S5		Time of Concentration	0.010	100	0	100	0.010
Catchment Area (30)	S7-CATCHPIT		Time of Concentration	0.001	100	0	100	0.001

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 30 Year +0% CC Storm Event - FEH Data 3.8 l/s Discharge Rate		Date: 17/08/2022	
		Designed by: FG	Checked by: SL
		Approved By: SL	
Report Details: Type: Inflow Summary Storm Phase: Phase		Kemp House: 124 City Road London EC1V 2NX	



Green Roof	S11-CATCHPIT		Green Roof	0.001	0	0.001
Green Roof (1)	S7-CATCHPIT		Green Roof	0.001	0	0.001
Green Roof (2)	S11-CATCHPIT		Green Roof	0.000	0	0.000
Green Roof (3)	S10		Green Roof	0.001	0	0.001
Green Roof (4)	RAINGARDEN PLANTER 7		Green Roof	0.001	0	0.001
Green Roof (5)	S9		Green Roof	0.001	0	0.001
Green Roof (6)	S11-CATCHPIT		Green Roof	0.000	0	0.000
Green Roof (7)	S10		Green Roof	0.000	0	0.000
Green Roof (8)	S9		Green Roof	0.004	0	0.004
Green Roof (9)	S9		Green Roof	0.005	0	0.005
Green Roof (10)	S7-CATCHPIT		Green Roof	0.004	0	0.004
Green Roof (11)	S7-CATCHPIT		Green Roof	0.001	0	0.001
Green Roof (12)	S7-CATCHPIT		Green Roof	0.003	0	0.003
Green Roof (13)	S8		Green Roof	0.005	0	0.005
Green Roof (14)	RAINGARDEN PLANTER 6		Green Roof	0.001	0	0.001
Green Roof (15)	S2		Green Roof	0.003	0	0.003
Green Roof (16)	RAINGARDEN PLANTER 5		Green Roof	0.000	0	0.000
Green Roof (17)	RAINGARDEN PLANTER 4		Green Roof	0.003	0	0.003
Green Roof (18)	S2		Green Roof	0.003	0	0.003
Green Roof (19)	RAINGARDEN PLANTER 3		Green Roof	0.002	0	0.002
Green Roof (20)	RAINGARDEN PLANTER 1		Green Roof	0.001	0	0.001
Green Roof (21)	RAINGARDEN PLANTER 3		Green Roof	0.000	0	0.000
Green Roof (22)	RAINGARDEN PLANTER 1		Green Roof	0.003	0	0.003
Green Roof (23)	RAINGARDEN PLANTER 2		Green Roof	0.002	0	0.002
Green Roof (24)	RAINGARDEN PLANTER 1		Green Roof	0.000	0	0.000
TOTAL		0.0		0.194		0.194

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 30 Year +0% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		
Report Title: Rainfall Analysis Criteria			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 30 Year +0% CC Storm Event - FEH Data 3.8 l/s Discharge Rate Report Title: Rainfall Analysis Criteria	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		



FEH	Type: FEH
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Site Location	GB 526650 188550 TQ 26650 88550		
Rainfall Version	2013		
Data Type	Catchment		
Summer	☐		
Winter	☒		

Return Period

Return Period (years)	Increase Rainfall (%)
30.0	0

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 30 Year +0% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Junctions Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



Critical Storm

Junction	Storm Event	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
S7-CATCHPIT	FEH: 30 years: +0 %: 15 mins: Winter	111.250	110.285	110.376	0.091	35.3	0.026	0.000	35.0	16.778	OK
S6	FEH: 30 years: +0 %: 15 mins: Winter	111.920	110.800	110.922	0.122	30.6	0.019	0.000	30.1	14.371	OK
S5	FEH: 30 years: +0 %: 15 mins: Winter	111.700	111.000	111.138	0.138	28.3	0.022	0.000	27.2	12.784	OK
S4	FEH: 30 years: +0 %: 15 mins: Winter	112.170	111.480	111.578	0.098	19.0	0.028	0.000	18.3	8.796	OK
S3	FEH: 30 years: +0 %: 15 mins: Winter	114.530	113.335	113.392	0.057	15.9	0.009	0.000	15.6	7.525	OK
S2	FEH: 30 years: +0 %: 15 mins: Winter	114.200	113.450	113.536	0.086	9.3	0.014	0.000	9.1	4.343	OK
S1	FEH: 30 years: +0 %: 15 mins: Winter	114.500	113.750	113.798	0.048	7.7	0.008	0.000	7.6	3.549	OK
S10	FEH: 30 years: +0 %: 15 mins: Winter	111.100	110.750	110.841	0.091	19.6	0.026	0.000	19.0	9.077	Flood Risk
S9	FEH: 30 years: +0 %: 15 mins: Winter	114.150	113.595	113.644	0.049	14.3	0.008	0.000	14.1	6.749	OK
S8	FEH: 30 years: +0 %: 15 mins: Winter	114.550	113.800	113.866	0.066	5.9	0.010	0.000	5.7	2.740	OK
S11-CATCHPIT	FEH: 30 years: +0 %: 15 mins: Winter	110.700	110.400	110.472	0.072	20.9	0.011	0.000	20.7	9.963	Flood Risk
S12-FLOW CONTROL CHAMBER	FEH: 30 years: +0 %: 240 mins: Winter	110.200	108.770	109.353	0.583	2.6	0.093	0.000	2.6	53.873	Surcharged
PROPOSED TIE IN POINT	FEH: 30 years: +0 %: 240 mins: Winter	108.300	108.000	108.023	0.023	2.6	0.000	0.000	2.6	53.851	Flood Risk

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 30 Year +0% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



Critical Storm

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
Tank	FEH: 30 years: +0 %: 240 mins: Winter	109.354	109.354	0.554	0.554	12.3	45.772	0.000	0.000	2.6	54.121	174	54	OK
Infiltration Trench 4	FEH: 30 years: +0 %: 15 mins: Winter	114.439	114.379	0.054	0.039	5.3	0.031	0.000	0.000	5.3	2.452	0	94	OK
Infiltration Trench 1	FEH: 30 years: +0 %: 15 mins: Winter	114.567	114.514	0.032	0.024	2.0	0.019	0.000	0.000	2.0	0.929	0	97	OK
Infiltration Trench 2	FEH: 30 years: +0 %: 15 mins: Winter	114.432	114.408	0.012	0.008	0.3	0.001	0.000	0.000	0.3	0.120	0	99	OK
Infiltration Trench 3	FEH: 30 years: +0 %: 15 mins: Winter	114.599	114.527	0.061	0.037	6.6	0.035	0.000	0.000	6.6	3.061	0	94	OK
Infiltration Trench 5	FEH: 30 years: +0 %: 15 mins: Winter	114.438	114.372	0.053	0.032	5.1	0.028	0.000	0.000	5.1	2.377	0	95	OK
RAINGARDEN PLANTER 1	FEH: 30 years: +0 %: 15 mins: Winter	114.324	114.321	0.724	0.721	2.1	0.397	0.000	0.000	2.1	0.601	4	63	OK
RAINGARDEN PLANTER 2	FEH: 30 years: +0 %: 15 mins: Winter	112.254	112.016	0.254	0.016	1.5	0.155	0.000	0.000	1.3	0.680	1	87	OK
RAINGARDEN PLANTER 4	FEH: 30 years: +0 %: 15 mins: Winter	111.823	111.822	0.823	0.822	1.5	0.233	0.000	0.000	1.5	0.498	3	63	OK
RAINGARDEN PLANTER 5	FEH: 30 years: +0 %: 15 mins: Winter	111.824	111.822	0.824	0.822	2.7	0.233	0.000	0.000	2.7	1.017	1	63	OK
RAINGARDEN PLANTER 7	FEH: 30 years: +0 %: 15 mins: Winter	113.051	113.048	0.821	0.818	1.9	0.231	0.000	0.000	1.8	0.642	2	63	OK
RAINGARDEN PLANTER 6	FEH: 30 years: +0 %: 15 mins: Winter	112.356	111.802	0.806	0.252	2.2	0.087	0.000	0.000	2.2	1.026	1	87	OK
RAINGARDEN PLANTER 3	FEH: 30 years: +0 %: 15 mins: Winter	111.827	111.827	0.827	0.827	1.8	0.235	0.000	0.000	1.7	0.594	3	62	OK

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 2 Year +0% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Inflow Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	RAINGARDEN PLANTER 7		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (1)	S10		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (2)	S10		Time of Concentration	0.000	100	0	100	0.000
Catchment Area (3)	S11-CATCHPIT		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (4)	S9		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (5)	S7-CATCHPIT		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (6)	S9		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (7)	S7-CATCHPIT		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (8)	S8		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (9)	S1		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (10)	RAINGARDEN PLANTER 6		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (11)	S1		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (12)	RAINGARDEN PLANTER 5		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (13)	S2		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (14)	RAINGARDEN PLANTER 4		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (15)	S2		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (16)	RAINGARDEN PLANTER 1		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (17)	RAINGARDEN PLANTER 3		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (18)	RAINGARDEN PLANTER 2		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (19)	RAINGARDEN PLANTER 1		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (20)	S1		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (21)	Infiltration Trench 5		Time of Concentration	0.012	100	0	100	0.012
Catchment Area (22)	Infiltration Trench 4		Time of Concentration	0.013	100	0	100	0.013
Catchment Area (23)	Infiltration Trench 1		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (24)	Infiltration Trench 3		Time of Concentration	0.016	100	0	100	0.016
Catchment Area (25)	S10		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (26)	Infiltration Trench 2		Time of Concentration	0.001	100	0	100	0.001
Catchment Area (27)	S7-CATCHPIT		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (28)	S6		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (29)	S5		Time of Concentration	0.010	100	0	100	0.010
Catchment Area (30)	S7-CATCHPIT		Time of Concentration	0.001	100	0	100	0.001

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 2 Year +0% CC Storm Event - FEH Data 3.8 l/s Discharge Rate		Date: 17/08/2022	
		Designed by: FG	Checked by: SL
		Approved By: SL	
Report Details: Type: Inflow Summary Storm Phase: Phase		Kemp House: 124 City Road London EC1V 2NX	



Green Roof	S11-CATCHPIT		Green Roof	0.001	0	0.001
Green Roof (1)	S7-CATCHPIT		Green Roof	0.001	0	0.001
Green Roof (2)	S11-CATCHPIT		Green Roof	0.000	0	0.000
Green Roof (3)	S10		Green Roof	0.001	0	0.001
Green Roof (4)	RAINGARDEN PLANTER 7		Green Roof	0.001	0	0.001
Green Roof (5)	S9		Green Roof	0.001	0	0.001
Green Roof (6)	S11-CATCHPIT		Green Roof	0.000	0	0.000
Green Roof (7)	S10		Green Roof	0.000	0	0.000
Green Roof (8)	S9		Green Roof	0.004	0	0.004
Green Roof (9)	S9		Green Roof	0.005	0	0.005
Green Roof (10)	S7-CATCHPIT		Green Roof	0.004	0	0.004
Green Roof (11)	S7-CATCHPIT		Green Roof	0.001	0	0.001
Green Roof (12)	S7-CATCHPIT		Green Roof	0.003	0	0.003
Green Roof (13)	S8		Green Roof	0.005	0	0.005
Green Roof (14)	RAINGARDEN PLANTER 6		Green Roof	0.001	0	0.001
Green Roof (15)	S2		Green Roof	0.003	0	0.003
Green Roof (16)	RAINGARDEN PLANTER 5		Green Roof	0.000	0	0.000
Green Roof (17)	RAINGARDEN PLANTER 4		Green Roof	0.003	0	0.003
Green Roof (18)	S2		Green Roof	0.003	0	0.003
Green Roof (19)	RAINGARDEN PLANTER 3		Green Roof	0.002	0	0.002
Green Roof (20)	RAINGARDEN PLANTER 1		Green Roof	0.001	0	0.001
Green Roof (21)	RAINGARDEN PLANTER 3		Green Roof	0.000	0	0.000
Green Roof (22)	RAINGARDEN PLANTER 1		Green Roof	0.003	0	0.003
Green Roof (23)	RAINGARDEN PLANTER 2		Green Roof	0.002	0	0.002
Green Roof (24)	RAINGARDEN PLANTER 1		Green Roof	0.000	0	0.000
TOTAL		0.0		0.194		0.194

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 2 Year +0% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		
Report Title: Rainfall Analysis Criteria			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 2 Year +0% CC Storm Event - FEH Data 3.8 l/s Discharge Rate Report Title: Rainfall Analysis Criteria	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Kemp House: 124 City Road London EC1V 2NX		



FEH	Type: FEH
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Site Location	GB 526650 188550 TQ 26650 88550	
Rainfall Version	2013	
Data Type	Catchment	
Summer	☐	
Winter	☒	

Return Period

Return Period (years)	Increase Rainfall (%)
2.0	0

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 2 Year +0% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Junctions Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



Critical Storm

Junction	Storm Event	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
S7-CATCHPIT	FEH: 2 years: +0 %: 15 mins: Winter	111.250	110.285	110.327	0.042	10.7	0.012	0.000	10.5	5.767	OK
S6	FEH: 2 years: +0 %: 15 mins: Winter	111.920	110.800	110.855	0.055	9.2	0.009	0.000	8.7	4.844	OK
S5	FEH: 2 years: +0 %: 15 mins: Winter	111.700	111.000	111.057	0.057	8.6	0.009	0.000	7.9	4.244	OK
S4	FEH: 2 years: +0 %: 15 mins: Winter	112.170	111.480	111.531	0.051	6.3	0.014	0.000	6.0	3.126	OK
S3	FEH: 2 years: +0 %: 15 mins: Winter	114.530	113.335	113.369	0.034	6.0	0.005	0.000	5.9	2.878	OK
S2	FEH: 2 years: +0 %: 15 mins: Winter	114.200	113.450	113.500	0.050	3.5	0.008	0.000	3.4	1.665	OK
S1	FEH: 2 years: +0 %: 15 mins: Winter	114.500	113.750	113.780	0.030	2.9	0.005	0.000	2.9	1.359	OK
S10	FEH: 2 years: +0 %: 15 mins: Winter	111.100	110.750	110.798	0.048	6.7	0.014	0.000	6.5	3.337	OK
S9	FEH: 2 years: +0 %: 15 mins: Winter	114.150	113.595	113.625	0.030	5.4	0.005	0.000	5.3	2.583	OK
S8	FEH: 2 years: +0 %: 15 mins: Winter	114.550	113.800	113.839	0.039	2.2	0.006	0.000	2.1	1.049	OK
S11-CATCHPIT	FEH: 2 years: +0 %: 15 mins: Winter	110.700	110.400	110.439	0.039	7.2	0.006	0.000	7.1	3.674	Flood Risk
S12-FLOW CONTROL CHAMBER	FEH: 2 years: +0 %: 240 mins: Winter	110.200	108.770	109.014	0.244	1.7	0.039	0.000	1.7	30.094	Surcharged
PROPOSED TIE IN POINT	FEH: 2 years: +0 %: 240 mins: Winter	108.300	108.000	108.018	0.018	1.7	0.000	0.000	1.7	30.082	Flood Risk

44-46 Hampstead Lane, London, N6 4LL: 44-46 Hampstead Lane, London, N6 4LL 1 in 2 Year +0% CC Storm Event - FEH Data 3.8 l/s Discharge Rate	Date: 17/08/2022		
	Designed by: FG	Checked by: SL	Approved By: SL
	Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		
Kemp House: 124 City Road London EC1V 2NX			



Critical Storm

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
Tank	FEH: 2 years: +0 %: 240 mins: Winter	109.014	109.014	0.214	0.214	5.6	17.715	0.000	0.000	1.7	30.143	108	82	OK
Infiltration Trench 4	FEH: 2 years: +0 %: 15 mins: Winter	114.417	114.363	0.032	0.023	2.0	0.019	0.000	0.000	2.0	0.938	0	97	OK
Infiltration Trench 1	FEH: 2 years: +0 %: 15 mins: Winter	114.555	114.505	0.020	0.015	0.8	0.012	0.000	0.000	0.8	0.356	0	98	OK
Infiltration Trench 2	FEH: 2 years: +0 %: 15 mins: Winter	114.428	114.405	0.008	0.005	0.1	0.001	0.000	0.000	0.1	0.048	0	99	OK
Infiltration Trench 3	FEH: 2 years: +0 %: 15 mins: Winter	114.575	114.512	0.037	0.022	2.5	0.021	0.000	0.000	2.5	1.166	0	96	OK
Infiltration Trench 5	FEH: 2 years: +0 %: 15 mins: Winter	114.417	114.359	0.032	0.019	2.0	0.017	0.000	0.000	1.9	0.908	0	97	OK
RAINGARDEN PLANTER 1	FEH: 2 years: +0 %: 120 mins: Winter	114.309	114.308	0.709	0.708	0.3	0.384	0.000	0.000	0.3	0.476	22	64	OK
RAINGARDEN PLANTER 2	FEH: 2 years: +0 %: 15 mins: Winter	112.252	112.009	0.252	0.009	0.6	0.098	0.000	0.000	0.4	0.247	4	92	OK
RAINGARDEN PLANTER 4	FEH: 2 years: +0 %: 30 mins: Winter	111.812	111.811	0.812	0.811	0.4	0.227	0.000	0.000	0.4	0.132	15	63	OK
RAINGARDEN PLANTER 5	FEH: 2 years: +0 %: 15 mins: Winter	111.815	111.813	0.815	0.813	1.0	0.228	0.000	0.000	1.0	0.252	6	63	OK
RAINGARDEN PLANTER 7	FEH: 2 years: +0 %: 30 mins: Winter	113.041	113.039	0.811	0.809	0.4	0.226	0.000	0.000	0.5	0.199	12	64	OK
RAINGARDEN PLANTER 6	FEH: 2 years: +0 %: 15 mins: Winter	111.805	111.559	0.255	0.009	0.9	0.056	0.000	0.000	0.8	0.387	2	92	OK
RAINGARDEN PLANTER 3	FEH: 2 years: +0 %: 30 mins: Winter	111.814	111.813	0.814	0.813	0.4	0.228	0.000	0.000	0.4	0.180	13	63	OK