1. Project & Site Details	Project / Site Name (including sub-catchment / stage / phase where appropriate)	55 FITZROY PARK
	Address & post code	55 FITZROY PARK Camden N6 6JA
	OS Grid ref. (Easting, Northing)	E 527780
		N 186940
	LPA reference (if applicable)	
	Brief description of proposed work	Demolition of large house and construction of a five smaller houses
	Total site Area	5075 m^2
	Total existing impervious area	1092 m^2
	Total proposed impervious area	947 m^2
	Is the site in a surface water flood risk catchment (ref. local Surface Water Management Plan)?	No
	Existing drainage connection type and location	Combined Sewer beneath Fitzroy Park
	Designer Name	Tadhg Kennedy
	Designer Position	Consulting Engineer
	Designer Company	Coyle Kennedy

2. Proposed Discharge Arrangements

2a. Infiltration Feasibility

Superficial geology classification	downwash
Bedrock geology classification	London Clay
Site infiltration rate	Varies m/s
Depth to groundwater level	Varies
Is infiltration feasible?	Not in the London Clay

2b. Drainage Hierarchy

	Feasible (Y/N)	*Proposed (Y/N)*
1 store rainwater for later use	Y	Y
2 use infiltration techniques, such as porous surfaces in non-clay areas	No (Infiltration will be permitted but not relied upon)	
3 attenuate rainwater in ponds or open water features for gradual release	Y	Y
4 attenuate rainwater by storing in tanks or sealed water features for gradual release	Y	Y
5 discharge rainwater direct to a watercourse	Y	Y
6 discharge rainwater to a surface water sewer/drain	N	N
7 discharge rainwater to the combined sewer.	Y	Y

2c. Proposed Discharge Details

Proposed discharge location	Combined Sewer beneath Fitzroy Park and pond /natural watercourse system
Has the owner/regulator of the discharge location been consulted?	Yes

3. Drainage Strategy

3a. Discharge Rates & Required Storage

	Greenfield (GF) runoff rate (l/s)	*Existing discharge rate (l/s)*	*Required storage for GF rate (m^3)*	*Proposed discharge rate (l/s)*
Qbar	2.20			
1 in 1	1.87	27.90	34.09	1.87
1 in 30	5.29	68.16	76.66	5.29
1 in 100	7.03	87.37	100.45	7.03
1 in 100 + CC			160.66	7.03
Climate change allowance used		40%		
3b. Principal Method of Flow Control		Orifice		

3c. Proposed SuDS Measures

	Catchment area (m^2)	*Plan area (m^2)*	*Storage vol. (m^3)*
Rainwater harvesting	0		0
Infiltration systems	0		0
Green roofs	837	837	125.7
Blue roofs			
Filter strips	0	0	0
Filter drains	0	0	0
Bioretention / tree pits	0	0	0
Pervious pavements			0
Swales	103	46	0
Basins/ponds	1468	642	0
Attenuation tanks	2667		35
Total	5075	1525	160.7

4. Supporting Information	4a. Discharge & Drainage Strategy	*Page/section of drainage report*
	Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results	Hydrological & Hydrogeological Impact Assessment LBH4480 Ver 2.0 July 2018 Section 8.3 p33 section 8.4 p34
	Drainage hierarchy (2b)	Section 8.2 p32
	Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location	TBN
	Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations	Appended
	Proposed SuDS measures & specifications (3c)	Coyle Kennedy Drainage report Page 2 Para 7 and also CK response to RFI
	4b. Other Supporting Details	*Page/section of drainage report*
	Detailed Development Layout	Coyle Kennedy Drainage report Appendix A
	Detailed drainage design drawings, including exceedance flow routes	Addendum Surface Water Drainage Statement section 2.3 Page 8
	Detailed landscaping plans	LUC landscaping plans 1-4 & CK RFI response
	Maintenance strategy	TBN
	Demonstration of how the proposed SuDS measures improve:	Hydrological & Hydrogeological Impact Assessment LBH4480 Ver 2.0 July 2018
	a) water quality of the runoff?	Section 6.2 Page 22 Section 6.3 Page 23 Section 9 p37
	b) biodiversity?	
	c) amenity?	