Thames Water had previously been consulted regarding the capacity of their adjacent waste water network and had undertaken capacity check to an outfall manhole to the North East of the site. However, the validity of that capacity check has expired and a second capacity check has therefore been sought for the new site layout. When this is received, and if there is not sufficient capacity within the Thames water network, there is scope for a private "packaged" pumping station on site to temporarily store the peak waste water flows and discharge to outfall manhole at a rate agreed with Thames Water.

To summarise therefore, the new site layout above will not significantly change the principles of the waste and surface water drainage design and can be accommodated within the new proposed layout.

Yours sincerely,

Philip Richards
Principal Director
RLT Engineering Consultants Ltd

CIVIL / STRUCTURAL DESIGN RISK MANAGEMENT

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:-

1. Proposed masterplan layout taken from MAA Architects drawing no. BKH04-P_101 Rev. 1, dated September 2013 (Rev. 1 dated 06.12.13).

RSK LDE LTD has followed its Design Risk Management process for Hazard Elimination and Risk reduction in developing the designs shown on this drawing.
Abnormal or unusual residual risks may be shown above where it is considered that such risk may not normally be expected by competent persons engaged on work of this nature or type.

LEGEND

- SITE BOUNDARY
- PROPOSED BUILDINGS
- INDICATIVE SURFACE WATER DRAINAGE NETWORK
- FIN DRAIN

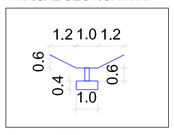
Basin 2
1:5 side slopes
0.3m deep
10m² cellular storage below (0.4m deep)
(~300mm freeboard when include extreme volumes from buildings)

Basin 1
1:2 side slopes
0.6m deep
150m² cellular storage below (0.4m deep)
(~300mm freeboard when include extreme volumes from buildings)

Section A-A

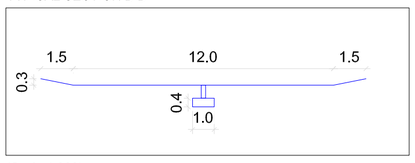
Section B-B

TYPICAL SECTION A-A



(Scale 1:200)

TYPICAL SECTION B-B



(Scale 1:200)

FIGURE 6

Rev.	Date	Amendment	Drawn	Chkd.	Appd.
P5	10.12.13	UPDATED WITH LATEST LAYOUT	JC	KR	KR
P4	26.09.13	UPDATED WITH LATEST LAYOUT	JC	KR	KR
P3	20.09.13	UPDATED WITH LATEST LAYOUT	JC	KR	KR
P2	03.09.13	REVISED SUDS LAYOUT	JC	KR	KR
P1	19.08.13	FIRST ISSUE	JC	KR	KR

SUDS Components

Source Control

Infiltration Devices (soakaways)	Infiltration devices temporarily store runoff from a development and allow it to percolate into the ground. Excavation or trench that can be filled with filter material. Can be made of pre-cast concrete or polyethylene rings/perforated storage structures that are then backfilled with granular material.
Pervious surfaces	Pervious surfaces allow rainwater to infiltrate through the surface into an underlying storage layer, where water is stored before infiltration to the ground, reuse, or discharge to surface water. Porous surface replaces traditional impermeable surfaces.

Area Control

Modular Storage	Modular plastic geocellular systems with a high void ratio that can be used to create a below ground infiltration (soakaway) or storage structure.

Regional Control

Infiltration basin	Infiltration basins are depressions in the surface that are designed to store runoff and infiltrate the water to the ground. They may also be landscaped to provide aesthetic and amenity value.

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Client: Berkeley Homes (Central London) Ltd

Project Title: LATCHMERE HOUSE

Drawing Title: INDICATIVE SUDS LAYOUT - SCHEME 1

Drawn	Date	Checked	Date	Approved	Date
JC	19.08.13	KR	19.08.13	KR	19.08.13

Scale	Orig Size	Dimensions
1:500	A1	m

Project No.	Drawing File
132034	40-01(S1) Proposed layout

Drawing No.	Rev.
40-04-1(S1)	P5

Scale 0 5 10 15 20 25m

File Location: K:\132034 - LATCHMERE PLANNING SUPPORT\GRAPH\FLOOD RISK\40-01(S1) PROPOSED LAYOUT AND SUDS (P5).DWG

indigo