

Anna Gargan

From: Matthew Warner <MatthewWarner@hoarelea.com>
Sent: 16 December 2015 08:25
To: Amy.Farthing@camden.gov.uk; David.Fowler@camden.gov.uk
Cc: Hannah Bryant; Chris Gearey; Natalie Davies; James Ford; Minesh Varia; Steven Dow; Will Lee (WLee@ahmm.co.uk); 'Modarres, Peyrouz'
Subject: RE: Hawley condition 59
Attachments: Hawley Planning Condition 59 Grey Water Harvesting.pdf; Hawley Planning Condition 59 Rain Water Harvesting.pdf

Amy / David,

Gerald Eve have requested that I respond to the points you have raised in your email below dated 19th November 2015.

Rainwater Harvesting

- a) Volume of water that could be collected from roofs in Area A. Please state assumptions. **761m³ per year**
- b) Water demand on site which could be met by harvested rainwater supply (toilets, site wash downs in market area etc). Please state assumptions. **5l/s**
- c) Provide cost breakdown of supplying an appropriately sized rainwater harvesting system on this site. Please state assumptions and reference cost sources. **Please find attached a copy of the budget costs for this system**
- d) Provide details of system payback through reduced water bills/annum. Please state assumptions **Reduction in water costs of £1,500/year less system maintenance costs of £1,000 gives a net saving of £500/yr. The simple payback period for this system is therefore calculated at 624 years (see attached).**

Grey Water Harvesting

- a) Volume of water that could be recycled in the building. Please state assumptions. **5110 l/year**
- b) Water demand in the building that could be met by grey water supply. Please state assumptions. **14,250 l/day**
- c) Cost of provision of grey water recycling system in the building. Please state assumptions and reference cost sources. **Please find attached a copy of the budget costs for this system**
- d) Provide details of system payback through reduced water bills/annum for each building. Please state assumptions **Reduction in water costs of £10,000/year less system maintenance costs of £2,000 gives a net saving of £8,000/yr. The simple payback period for this system is therefore calculated at 624 years. The simple payback period for this system is therefore calculated at 163.5 years (see attached).**

You will note from the above that the simple payback estimates are well in excess 100 years and on this basis these systems have been discounted from the scheme..

We hope the above and attached provides sufficient information in response to the points raised.

Regards,
Matthew Warner
Partner

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Winner – Buildings Services Award
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From: "Farthing, Amy" <Amy.Farthing@camden.gov.uk>
Date: 19 November 2015 11:23:16 GMT
To: Natalie Davies <ndavies@geraldeve.com>, "Fowler, David" <David.Fowler@camden.gov.uk>
Cc: Hannah Bryant <HBryant@geraldeve.com>
Subject: RE: Hawley condition 59

Natalie,

I have the following additional questions:

Rainwater Harvesting

The attached document suggests that rainwater should only be harvested from clear roof areas to reduce the risk of contaminated water, so whilst I accept that it is unlikely to be feasible to harvest rainwater from green roof and terraced roof areas, Building A roof area could technically include rainwater harvesting as required by condition 59.

Please can you provide further information to make clear the following:

- a) Volume of water that could be collected from roofs in Area A. Please state assumptions.
- b) Water demand on site which could be met by harvested rainwater supply (toilets, site wash downs in market area etc). Please state assumptions.
- c) Provide cost breakdown of supplying an appropriately sized rainwater harvesting system on this site. Please state assumptions and reference cost sources.
- d) Provide details of system payback through reduced water bills/annum. Please state assumptions

Grey Water Harvesting

With reference to grey water harvesting provision in each of the site areas, please provide the following detail

(Please state answers separately for each building A,C, D/E and W):

- a) Volume of water that could be recycled in the building. Please state assumptions.
- b) Water demand in the building that could be met by grey water supply. Please state assumptions.
- c) Cost of provision of grey water recycling system in the building. Please state assumptions and reference cost sources.
- d) Provide details of system payback through reduced water bills/annum for each building. Please state assumptions

Kind regards

Amy Farthing

Sustainability Officer

Telephone: 020 7974 7611

From: Natalie Davies [<mailto:ndavies@geraldeve.com>]

Sent: 19 November 2015 09:52

To: Farthing, Amy; Fowler, David

Cc: Hannah Bryant

Subject: Hawley condition 59

Dear Amy

The site-wide FRA (attached) confirms the run-off from Area A highlighted is managed as part of the site-wide SUDS provision which includes attenuation tanks and geo-cellular storage tanks provided in Area C.

Please let me know if you require anything else.

Kind regards

Natalie Davies
Associate

Tel. +44 (0)20 7333 6371
Fax. +44 (0)20 7491 1825
Mob. +44 (0)7826 947819
ndavies@geraldeve.com

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72 Welbeck Street London W1G 0AY
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Please note that I am in the office from Tuesday to Friday and do not work on Monday

From: Farthing, Amy [<mailto:Amy.Farthing@camden.gov.uk>]

Sent: 18 November 2015 15:16

To: Natalie Davies; Fowler, David

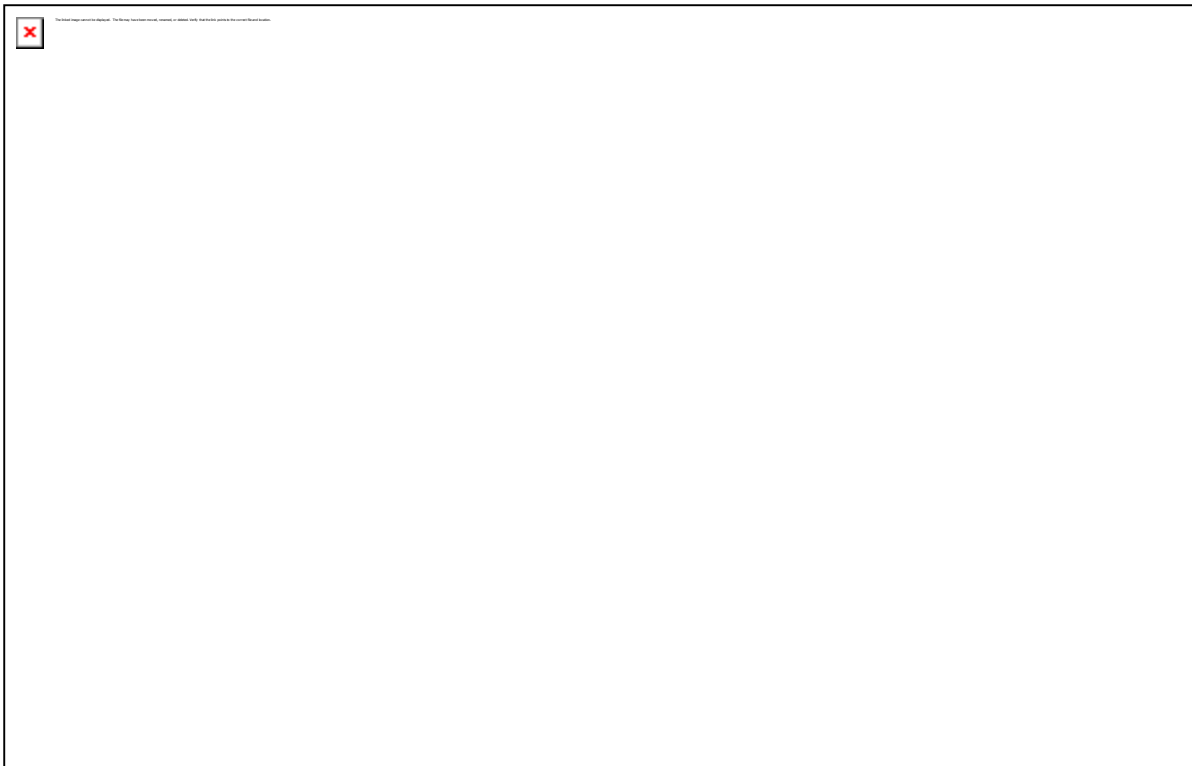
Cc: Hannah Bryant

Subject: RE: Hawley condition 59

Hi Natalie,

Thanks for sending the roof plan through, please could you confirm what is happening to run off from the roof area highlighted below?

Thanks
Amy



Amy Farthing
Sustainability Officer

Telephone: 020 7974 7611

-----Original Message-----

From: Natalie Davies [<mailto:ndavies@geraldeve.com>]

Sent: 18 November 2015 11:53

To: Farthing, Amy; Fowler, David

Cc: Hannah Bryant

Subject: RE: Hawley condition 59

Amy

Please find attached the latest roof plan.

Kind regards

Natalie Davies
Associate

Tel. +44 (0)20 7333 6371

Fax. +44 (0)20 7491 1825

Mob. +44 (0)7826 947819

<mailto:ndavies@geraldeve.com>

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-----Original Message-----

From: Farthing, Amy [<mailto:Amy.Farthing@camden.gov.uk>]
Sent: 17 November 2015 11:41
To: Natalie Davies; Fowler, David
Cc: Hannah Bryant
Subject: RE: Hawley condition 59

Hi Natalie,

Thanks for sending this though. The statement suggests that the majority of roof area across the site is green/brown roof. Could you provide a site-wide roof plan indicating roof areas that do and do not include green/brown roofs so I can get a sense of what kind of area we're talking about?

Thanks

Amy Farthing
Sustainability Officer

Telephone: 020 7974 7611

-----Original Message-----

From: Natalie Davies [<mailto:ndavies@geraldeve.com>]
Sent: 12 November 2015 16:48
To: Fowler, David; Farthing, Amy
Cc: Hannah Bryant
Subject: Hawley condition 59

David and Amy

Please find attached our response on condition 59. Perhaps we could discuss once you have had the opportunity to review?

Kind regards

Natalie Davies
Associate

Tel. +44 (0)20 7333 6371
Fax. +44 (0)20 7491 1825
Mob. +44 (0)7826 947819
<mailto:ndavies@geraldeve.com>

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