

[REDACTED]

[REDACTED]

From: Kelly Male (MHA) [REDACTED]
Sent: 19 October 2021 10:58
To: Paul Cann <Paul.Cann@arun.gov.uk>
Cc: Anita Gardner <Anita.Gardner@arun.gov.uk>
Subject: RE: AB/112/21/DOC (Canada Road)
Importance: High

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Good morning both,

Please find attached the engineer's written responses to your previous comments so you see/understand what they have done to satisfy.

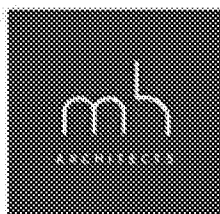
I trust that satisfies your query

Kind Regards

Kelly Male
Project Assistant

Please note: my working days are Tuesday-Friday

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From: Anita Gardner <Anita.Gardner@arun.gov.uk>

Sent: 19 October 2021 09:46

To: Kelly Male (MHA)

Subject: FW: AB/112/21/DOC (Canada Road)

Importance: High

Dear Kelly,

Please can you provide the information requested by Paul Cann as soon as possible to assist his review of the additional information ?

Thanks

Anita Gardner

Anita Gardner
Principal Planner

T: 01903 737529

E: anita.gardner@arun.gov.uk

Arun District Council, Civic Centre, Maltravers Rd, Littlehampton, West Sussex, BN17 5LF
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From: Paul Cann <Paul.Cann@arun.gov.uk>
Sent: 19 October 2021 09:40
To: Anita Gardner <Anita.Gardner@arun.gov.uk>
Subject: RE: AB/112/21/DOC (Canada Road)
Importance: High

Hi Anita

It would be useful to see their engineers written responses to my previous comments so I can easily see/understand what they have done to satisfy these comments, particularly item 6.

Regards

Paul Cann
Principal Drainage Engineer
Engineering Services

T: 01903 737819
E: paul.cann@arun.gov.uk

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From: Anita Gardner <Anita.Gardner@arun.gov.uk>
Sent: 08 October 2021 10:22
To: Paul Cann <Paul.Cann@arun.gov.uk>
Subject: FW: AB/112/21/DOC (Canada Road)
Importance: High

Hi Paul,
Please can you advise if the attached details are now adequate to discharge the condition?
Thanks
Anita.

Anita Gardner
Principal Planner

T: 01903 737529
E: anita.gardner@arun.gov.uk

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From: Kelly Male (MHA) [REDACTED]
Sent: 07 October 2021 09:15
To: Anita Gardner <Anita.Gardner@arun.gov.uk>; Maria Tomalova <Maria.Tomalova@arun.gov.uk>
Cc: Hywel Davis (MHA) [REDACTED]
Subject: AB/112/21/DOC (Canada Road)
Importance: High

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Good Morning both,

Please find attached addition information following your comments with regards to conditions 4 & 5 of the Canada Road, Discharge of Conditions application.

I trust the above resolves all matters and politely request you to discharge the conditions as a matter of urgency to make a meaningful start on site.

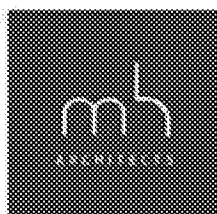
Thank you, we look forward to the approvals.

Kind Regards

Kelly Male
Project Assistant

Please note: my working days are Tuesday-Friday

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Steve,

I attach the updated package and would offer my comments in response as below:

Southern Water has no objection to discharge condition 04 relating to surface water drainage. The submitted drainage layout (Drawing No. D1955-4 Rev B) indicates that the proposed surface water flows from the building are reduced from the existing contributing flows limiting to no greater than 2.5l/s to public surface water sewers. Surface water may be discharged to the existing sewer, provided the rate of discharge to sewer is no greater than existing contributing flows. No details regarding surface water maintenance and management has been submitted. Therefore, Southern Water is unable to comment on condition 05 relating to surface water maintenance. Noted, the strategy informs a clear betterment in accordance with NPPF requirements, and we trust Southern Water will acknowledge this from the information supplied.

Engineers comments on surface water drainage (Conditions 4 & 5);

1. Management and maintenance manual has not been submitted. Maintenance schedule enclosed.
2. Show rainwater downpipes/connections on plan. To either connect to proposed manholes or via oblique junctions. Rainwater goods added; these are however subject to some refinement via the architect.
3. Highway retaining walls noted to include weepholes/granular backfill – please update note on plan. Annotation update to coordinate with the WSCC approved data (also enclosed).
4. Indicate historic surface water drainage on site including its proposed abandonment. Noted, however this is already shown.
5. ACO drain – is it possible to move sump outlet to the other end of the channel and connect to manhole S3 (soffit to soffit level). Yes this has been relocated and noted for a higher connection to the catchpit.
6. Southern Waters agreement in principle to a discharge no greater than 2.5 l/s is noted, however the calculations for the 1 in 100 year event + 40% appears to exceed this rate. There is also flooding predicted. Please review, in order to achieve a discharge rate no greater than 2.5 l/s and no above ground flooding. The flow control criteria have been adjusted so 2.5l/sec is not exceeded during the 1:100+40% storm. The design adheres to NPPF guidelines which does not require all storm durations to be stored below ground for the 100yr events, that said it shall be noted that the 100yr event does not flood here; only very minor with the climate change. Furthermore the hydraulic model does NOT include the additional storage provision that is available within aco channel/sump/lateral and rainwater goods pipework which clearly will reduce/cancel out the 'potential flood volume' that is shown during the shorter durations. Should flooding ever occur it will enter the Public Highway directly adjacent mimicking the existing scenario inclusive of the overall betterment this system will provide to the local drainage network.
7. Whilst the hydraulic calculations are for this development, the heading appears to be for another site. Please adjust. Noted and corrected.
- 2
8. The proposed new road gully associated with the Section 278 works will also require Section 106 approval

from Southern Water – add note to plan. The existing note relating to the other surface water connection is headed 'foul sewer connection' in error – please adjust. Noted and updated.

9. Construction details;

a) Include sump outlet detail for channel drain. Noted and updated.

b) Catchpits – specify ductile iron covers & frames of suitable load grading. Noted and updated.

c) Provide control chamber detail. Noted and updated.

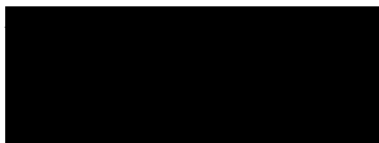
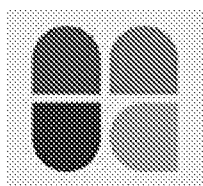
At present I cannot recommend discharge of conditions 4 & 5.

I trust the above resolves all matters and look forward to hearing from you by return.

Regards,

Mark Akmenkalns

Managing Director



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Bright Plan Civils, Transport Planning and Civil Engineering Consultants

Bright Plan Civils, 2 West Barn, Norton Lane, Chichester, PO20 3AF

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From: Mark Akmenkalns

Sent: 30 September 2021 08:32

To: Hywel Davis (MHA) 

Cc: Nat King-Smith (MHA) 

Keith Benham

Subject: D1955: 21-113 Canada Rd & Ellis Cl

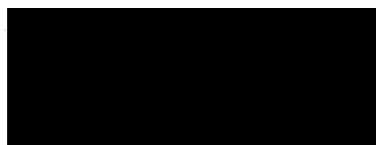
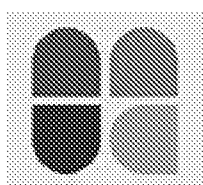
Steve,

On review the drainage comments are minor and will be resolved once we prepare updates for the coordinated detailed design.

Regards,

Mark Akmenkalns

Managing Director



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From: Hywel Davis (MHA) [REDACTED]
Sent: 29 September 2021 16:54
To: [REDACTED]
Cc: Nat King-Smith (MHA) [REDACTED] Mark Akmenkalns [REDACTED]
[REDACTED] Keith Benham [REDACTED]
Subject: 21-113 Canada Rd & Ellis Cl

Good afternoon Steve,

Please find attached e-mails received from Arun DC with regards to the discharge of conditions.

The majority of the items raised relate to surface water drainage for both sites and the CEMP for Ellis Close.

Please let us know if you have any questions or wish to discuss further.

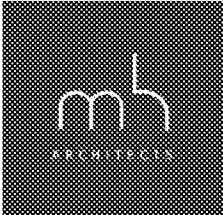
Kind Regards

Hywel

Hywel Davis MCIAT
Associate

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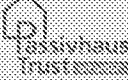
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