

Iesis Special Structures Limited
20 Ironmonger Lane
London
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IESISSTRUCTURES

Our ref: SE1612-ISS-XX-XX-CO-C-0002

Anita Gardner
Arun District Council
Civic Centre
Maltravers Road
Littlehampton
West Sussex
BN17 5LF

6th Sept. 2018

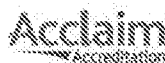
Dear Sir/Madam,

RE: Pound Place – Drainage Submission for 64Bed Scheme.

Please find attached our revised submission to discharge Condition 3 of the planning application for the above noted site.

I write in response to your comments dated 30/06/20 listing 12 points to reconcile and below is our response in order of your list:

1. Ground and formation levels have been added for all permeable paving areas (dwg PP-ISS-XX-XX-DR-C-3011 to PP-ISS-XX-XX-DR-C-3013)
2. Revised catchment plan provided (dwg PP-ISS-XX-XX-DR-C-3500 to PP-ISS-XX-XX-DR-C-3501)
3. Porosity amended and revised results provided (calculations SE1612-ISS-XX-XX-CA-C-0051 to SE1612-ISS-XX-XX-CA-C-0054)
4. Invert levels added to diffuser boxes (dwg PP-ISS-XX-XX-DR-C-3011 to PP-ISS-XX-XX-DR-C-3013)
5. Gully cover levels added (dwg PP-ISS-XX-XX-DR-C-3011 to PP-ISS-XX-XX-DR-C-3013)
6. The whole site and finished floor level have been raised which is the likely result in discrepancies comparing various documents & revisions. Attached are the latest drainage plans (dwg PP-ISS-XX-XX-DR-C-3011 to PP-ISS-XX-XX-DR-C-3013), manhole schedules (dwg PP-ISS-XX-XX-DR-C-3100 to PP-ISS-XX-XX-DR-C-3101) and model outputs (calculations SE1612-ISS-XX-XX-CA-C-0051 to SE1612-ISS-XX-XX-CA-C-0054) for the 64 bed scheme to the previously approved 62bed scheme. Please note as the floor plans has changed and increased, manholes have been relocated, added or removed resulting in the references being amended.
7. This has been addressed as part of our response to Point 6
8. This has been addressed as part of our response to Point 6
9. We have amended the gradient on PN1.002 and the downstream drainage has been revised
10. The text has been made more clear



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11. We have amended the gradient on PN1.002 and the downstream drainage has been revised
 12. The gradient has not been changed as the velocity of the pipe from the previous approved scheme of 62bed is 0.43m/s to 0.50m/s for the 1yr and 100yr events (see SE1612-ISS-XX-XX-CA-C-0054a Pro SW Entrance 62bed scheme). The resulting gradient for the 64 bed scheme is 0.36m/s and 0.49m/s. The area contributing to this pipe is 0.010ha and regardless if you increase the gradient to 1:20, the velocity does not change significantly. I would like to point out that the channel gully that collects this runoff will have a sump unit to collect any debris, minimising silt buildup.

I trust the above points resolve the issues raised and we look forward to yourselves approving the design.

If there are any outstanding issues, please call myself on my mobile 07545212617 so we promptly resolve any outstanding issues.

Kind regards,

Yours sincerely,



Paul Laverty