[redacted]

Please can you treat as substitute plans as per the attached issue sheet?

[redacted]

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[redacted]

Dear Sarah,

As requested, please find attached a drawing register for all drawings forming the drainage submission and a copy of all drawings for completeness.

Yourselves wrote regarding point 11:

"3202 shows a junction – still needs 90 degrees option removed (bad practice to connect at 90 degrees, 45 degrees provides better flow arrangement). Junctions are far more robust than saddles. Sewers for adoption extract enclosed – shows junction. Water companies will allow saddle connections when the pipe being connected to is greater than 300mm diameter and the connecting pipe is less than or equal to 50% of the diameter of the pipe being connected to. Don't think we have this situation? Not a fan of saddles anyway – seen too many fail in the past. Hope this makes sense. SFA text extraction below;

The shown saddle connection for 300mm dia or larger would involve cutting the sewer and applying a saddle con

5. Where the connection is being made to a sewer with a nominal internal diameter of 300 mm

or less, connections should be made using 45o angle, or 90o angle, curved square junctions

(see Figure B.24).

Our response:

Sewers For Adoption shows figure B2.4, as per the attachment in your email), being for pipes of 300mm or less. All drainage within the surface and foul water networks are 225mm diameter or less, therefore this detail applies which has been recreated exactly on our drainage detail drawings. The detail we would like to further point out is a single pipe with a preformed inlet and not of a pipe cut to suit with a saddle being fixed to the sewer/drain. As this detail is sufficient for Sewers For adoption, this detail is sufficient for our submission.

Note 2 on the drainage plans and 1.2 on the drainage notes drawing state that the drainage is to be in accordance with Sewers for Adoption, meaning all supplementary notes that accompany this detail (and all other details) are to be applied.

Therefore as our detail is exactly as per SFA, the pipe diameters this detail is to be applied to are within the tolerances set out by SFA, our drawings state that the drainage is to be constructed to SFA standards / requirements covering any applicable notes that relate to this detail (and all other details) and the SFA document which the detail and notes have been taken from are used by all statutory sewerage authorities, we look forward to yourselves discharging the drainage conditions relating to this development.

Kind regards,

PAUL LAVERTY | **Civil Engineer**
HND