A1

Health & Safety Notes

1. Overhead HV electricity cables transverse the site. Contractor to employ suitable measures to protect operatives and the public in accordance with NJUG guidance and the requirements of the statutory electricity authority. Cables to be diverted below ground.
2. Pressurised foul rising main traverses the site. Contractor to employ suitable measures to protect operatives in accordance with NJUG guidance and the requirements of the statutory water authority.
3. Perimeter fencing, and warning signage around attenuation basins should be considered, given the proximity of dwellings and attenuation storage water depth.

General Notes

1. Do not scale this drawing. If in doubt, ask.
2. This drawing is to be read in conjunction with all other relevant Engineers, Architects and specialist design drawings and details.
3. All dimensions are in metres unless noted otherwise. All levels are in metres unless noted otherwise.
4. Any discrepancies noted on site are to be reported to the Engineer immediately.
5. The Contractor shall establish exact levels of the existing foul and surface water sewers, and/or proposed level at discharge point, prior to the commencement of any drainage works.
6. The Contractor must ensure that the gradients indicated on the longitudinal sections are checked between the levels shown, prior to laying pipes. At no times must the contractor proceed with pipe laying by dialling the gradient shown into a laser without checking. Any discrepancy in this respect must be reported to the engineer prior to pipe laying.
7. The Contractor shall check his pipe gradients by means of profiles and traveller to verify the laser gradients.
8. In the event of the above procedures not being followed, the client will accept no responsibility whatsoever for any consequential loss or damage.
9. The Contractor is responsible for ensuring that all works are to the satisfaction of the Engineer and shall be deemed to have included within his rates for any necessary testing.
10. Pipes of different diameters entering manholes should be installed with soffits at the same level.
11. Sewers shall be constructed to the satisfaction of Severn Trent Water and in accordance with the Design and Construction Guidance (DCG).
12. A protective plastic membrane is to be applied to all foul sewers that are laid above surface water sewers.
13. Where pipe crossing, plastic membrane to be used for protection to eliminate any chances of cross contamination.
14. No backdrops to be used. Steeper gradients are preferred to the use of backdrops.
15. Precast concrete manhole rings will not be cut under any circumstances. Other options, manhole built up with concrete or brickwork to the top of pipe.
16. Protective concrete cover slabs to be used on pipes in non traffic area which doesn't achieve 0.9m cover level and 1.2m cover in trafficked areas.
17. All cover and frames to be kitemarked.
18. The outside of the sewer should be in vehicle carriageway and not footpath, and be at least 1m from the kerb line. The outside of manholes should be at least 0.5m from the kerb line.
19. All proposed trees will be as per BS.1 of DCG.
20. All proposed manhole covers and frames at a minimum of 675mm x 675mm to maintain clear opening and to comply with Severn Trent Water current Health and Safety standards. Refer to Manhole Schedules, Longitudinal Sections and Drainage Construction Details for specific opening dimensions for each manhole.
21. Only suitable materials to be used.
22. All lateral pipe sizes and gradients to be constructed as specified on the external works drawings. If the external works drawings are unavailable please consult the Engineer prior to construction.
23. Infill covers and frames in block paved areas are not to be used.
24. The materials to be used are suitable for the ground conditions.
25. In situations where traffic loadings is anticipated to be heavier than would typically occur on a residential estate distributor road (ie braking or turning near a junction) a higher specification cover (E600) should be used.
26. Adoptable pipe work being offered for adoption and designed in accordance with the DCG comply with Figure B.1 and Figure B.2.

Key:

- S1 CL: 74.802m IL: 71.565m — Adoptable section 104 storm sewer and manholes (cover & invert levels shown).
- F1 CL: 74.652m IL: 72.419m — Adoptable section 104 foul sewer and manholes (cover & invert levels shown).
- Existing adopted foul sewer
- Existing adopted foul rising main
- Trapped road gully with 150mm dia gully connection.
- Severn Trent Sewer Easement.
- Site Application Boundary
- S1 CL: 74.802m IL: 71.565m — Storm drainage to remain private
- Wet low flow channel

ANY WORKS CARRIED OUT ON SITE PRIOR TO RECEIVING TECHNICAL APPROVALS WILL BE UNDERTAKEN AT THE DEVELOPERS RISK

Rev	Date	Amendments	By	Chk
D	25.05.23	Notes added. Low flow channel added to attenuation basins.	SS	ML
C	18/05/23	Attenuation storage features revised.	SS	ML
B	20/04/23	Updated to suit comments and latest layout.	SS	ML
A	09/12/22	Updated to suit approval application comments.	SS	ML

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PJS Consulting Engineers Limited, Geneva II, Lakeview, Sherwood Business Park, Nottingham, NG15 0ED.
Registered number: 10815993 Tel: 0115 704 3969 Email: Enquiries@pjs-ce.co.uk

Client

Davidsons Homes

Project

Lutterworth Road, Burbage

Drawing Title

Drainage General Arrangement

	Drawn	Checked	Status	Scale
Initial	ML	TN	Approval	1:500
Date	24/10/22	24/10/22		

Project Number	Drawing Number	Revision
PJS21-065	DR-504	D