

A1



Health & Safety Notes

- 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.
- 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.
- Perimeter fencing, and warning signage around attenuation basins should be considered, given the proximity of dwellings and attenuation storage water depth.

Existing Rising Main
No wash-out chambers or air release valves have been located on site during surveys. If the Contractor locates any such apparatus during the works, Severn Trent Water and the Engineer shall be notified immediately and the apparatus protected.

Existing FW manhole cover level to be raised to 106.100

F28 - Ex Rising Main
CL: 109.919
IL: 107.089

F24 - Ex FMWH
CL: 109.922
IL: 106.743

F10 - CL: 109.000
IL: 107.546

F9 - CL: 108.935
IL: 107.634

S31C - CL: 107.800
IL: 106.415

S31D - CL: 107.80
IL: 106.385

S31E - HW9
CL: 107.395
IL: 106.400

S31F - HW9
CL: 107.395
IL: 106.400

S31G - HW9
CL: 107.395
IL: 106.400

S31H - HW9
CL: 107.395
IL: 106.400

S31I - HW9
CL: 107.395
IL: 106.400

S31J - HW9
CL: 107.395
IL: 106.400

S31K - HW9
CL: 107.395
IL: 106.400

S31L - HW9
CL: 107.395
IL: 106.400

S31M - HW9
CL: 107.395
IL: 106.400

S31N - HW9
CL: 107.395
IL: 106.400

S31O - HW9
CL: 107.395
IL: 106.400

S31P - HW9
CL: 107.395
IL: 106.400

General Notes

- Do not scale this drawing. If in doubt, ask.
- This drawing is to be read in conjunction with all other relevant Engineers, Architects and specialist design drawings and details.
- All dimensions are in metres unless noted otherwise. All levels are in metres unless noted otherwise.
- Any discrepancies noted on site are to be reported to the Engineer immediately.
- 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.
- 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.
- The Contractor shall check his pipe gradients by means of profiles and traveller to verify the laser gradients.
- In the event of the above procedures not being followed, the client will accept no responsibility whatsoever for any consequential loss or damage.
- 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.
- Pipes of different diameters entering manholes should be installed with soffits at the same level.
- Sewers shall be constructed to the satisfaction of Severn Trent Water and in accordance with the Design and Construction Guidance (DCG).
- A protective plastic membrane is to be applied to all foul sewers that are laid above surface water sewers.
- Where pipe crossing, plastic membrane to be used for protection to eliminate any chances of cross contamination.
- No backdrops to be used. Steeper gradients are preferred to the use of backdrops.
- 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.
- 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.
- All cover and frames to be kitemarked.
- 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.
- All proposed trees will be as per BS.1 of DCG.
- 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.
- Only suitable materials to be used.
- 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.
- Infill covers and frames in block paved areas are not to be used.
- The materials to be used are suitable for the ground conditions.
- 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.
- 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: 71.562m Adoptable section 104 storm sewer and manholes (cover & invert levels shown).
- F1 CL: 74.82m IL: 72.415m 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
- 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

M	30.05.24	Updated to suit tie into phase 2.	LD	TN
L	04.03.24	Flow control note updated following client comment	DC	TN
K	14.11.23	Updated to suit WML comments	DC	TN
J	07.11.23	S1A and S23A added.	SS	TN
H	10.10.23	Foul raised to accommodate existing outfall level.	SS	TN
G	03.08.23	Attenuation basin order line amended.	SS	ML
F	17.07.23	Bypass manhole notes added.	SS	ML
E	21.06.23	Revised to show storm drainage to remain private through waste.	SS	ML
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
Rev	Date	Amendments	By	CHK

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Client

Davidsons Homes

Project

Lutterworth Road, Burbage

Drawing Title

Drainage General Arrangement

Drawn	Checked	Status	Scale
Initial	ML	TN	Approval
Date	24/10/22	24/10/22	1:500
Project Number	Drawing Number	Revision	
PJS21-065	DR-504	M	