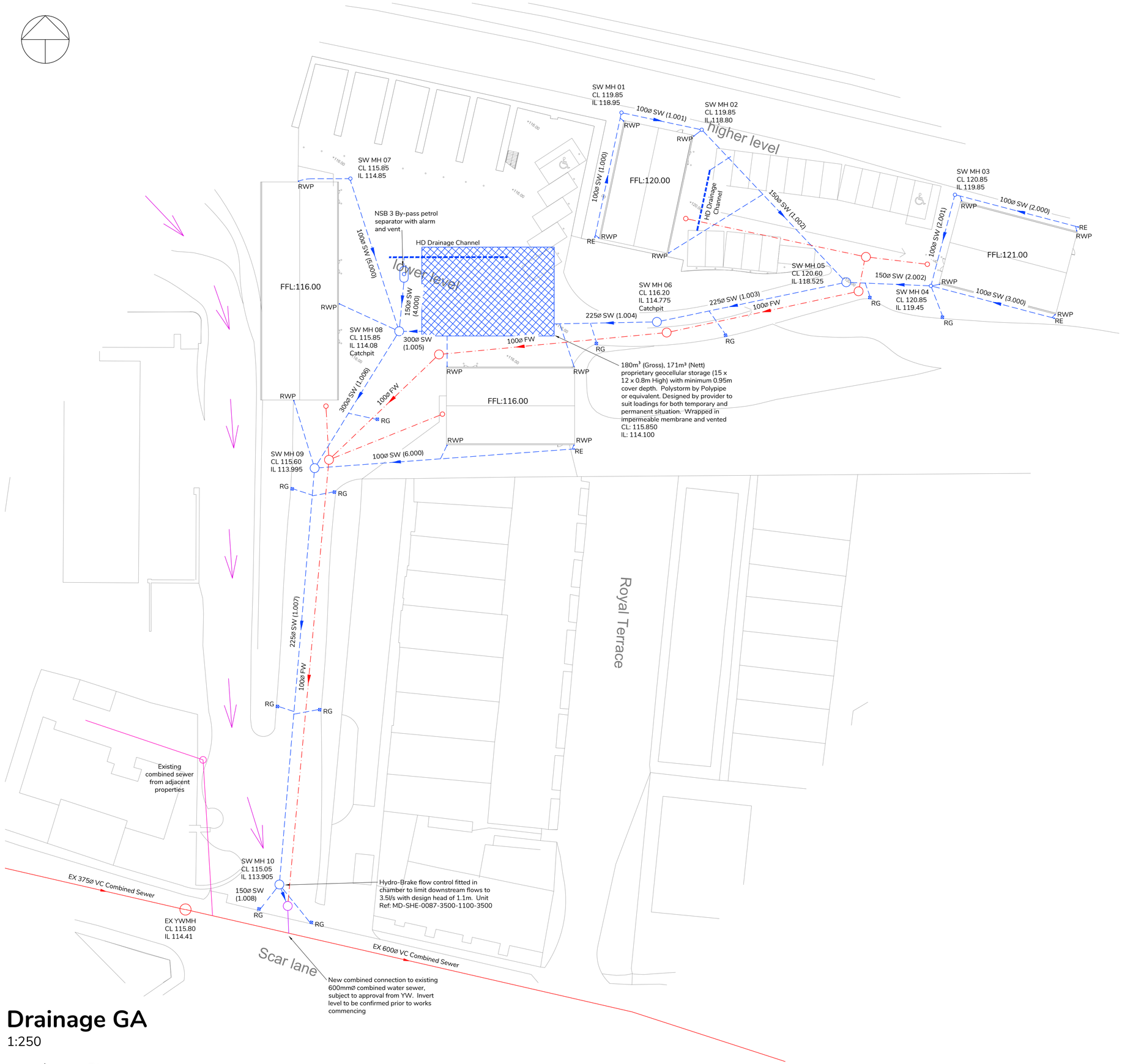


Drainage GA

1:250

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Drainage notes

1. This drawing is subject to change depending on further development of the site layout, detailed design development and coordination with the Architect.
2. It is the contractor's responsibility to confirm presence and location of services prior to commencing works.
3. The proposed building outlines shown on this drawing are for information only. Refer to Architects drawings for precise setting out information and details including locations of all popups and gullies.
4. Cover levels shown on this drawing are approximate and shall be adjusted to suit finished pavement levels on site by Contractor. Covers shall be orientated to suit pavement finishes where appropriate.
5. All existing drainage shall be assumed to be 'live' and shall be maintained at all times during the works. Existing drainage shall be reconnected to the new drainage system unless proven to be redundant for abandonment. All existing drainage to be fully removed.
6. Upon completion all new drainage installation together with any existing drainage retained shall be jetted and CCTV surveyed upon completion. Contractor to ensure that the drainage system is fully operational, free of excess debris/silt and all identified faults rectified.

Outline specification

1. All drainage to comply with BS EN 16933-2:2017 Drain and sewer systems outside buildings together with parts H1, 2 and 3 of the current Building Regulations.
2. All rain water gullies to be access gullies with integral back inlets for rodding installed to manufacturer's recommendations.
3. All underslab drainage shall be clear of foundations unless shown otherwise with long radius bends kept to a minimum and used where shown when unavoidable.
4. At least one soil pipe at the head of each foul run shall be vented to the atmosphere.
5. Proposed pipework with <1.2m depth to soffit in roads to <0.9m in pedestrian/landscaped areas require a concrete surround.
6. Where new drainage is situated within 5 metres of new or existing trees the pipework shall be encased in Z Class concrete surround to reduce the risk of root ingress.
7. Concrete encasement of the pipework shall be required where the vertical clearance between two pipes crossing is less than 300mm.
8. All external carrier drains to be vitreous clay pipework. Jointing shall be either UPVC pushfit couplings or by sealing rubber 'O' rings in polyester moldings.
9. All carrier drains which are located within 2000mm of external walls or pass under buildings are to be encased in min. 150mm concrete of full width of trench.
10. Manhole covers to be seated in rebated steel frames and sealed with grease on 100mm thick concrete frame base with 600mm minimum openings.

⚠ Residual Risks ⚠

These drawings should be read in conjunction with the designer's risk assessment (DRA) which communicates significant residual design risks that have been identified and suggests mitigating actions.

General Notes

1. Do not scale off these drawings. Work to stated dimensions only.
2. All dimensions are in millimetres unless noted otherwise.
3. These drawings should be read in conjunction with all other relevant drawings, specifications, schedules and other information including all other consultants drawings.
4. The contractor is responsible for the temporary stability of all structure including ground during the works and is to undertake the necessary temporary
5. All works are subject to all necessary approvals.
6. Setting out information to be co-ordinated by lead designer.
7. Final external levels to be confirmed by others.
8. RWP and SVP Drop positions to be confirmed by others.

Drainage Legend

- Existing combined water
- Proposed surface water (private)
- Proposed foul water (shown indicatively)
- Proposed drainage channel
- RWP — Roddable rain water gulley
- SVP — Soil and vent pipe
- RE — Rodding eye
- RG — Road gulley
- Geocellular attenuation
- Overland exceedance flood routing from adjacent site

Rev	Date	Description	Drw	Chk	Revd	App
P01	22.11.22	First Issue	PG	JDY	JDY	JDY

Status: APPROVAL

Client: MR BEN GOOD

Project: Scar Lane, Huddersfield

Drawing: Drainage GA

Drawing Number: LM22250-DYSE-XX-ZZ-DR-C-1001

Revision: P01

DYSE STRUCTURAL ENGINEERS

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