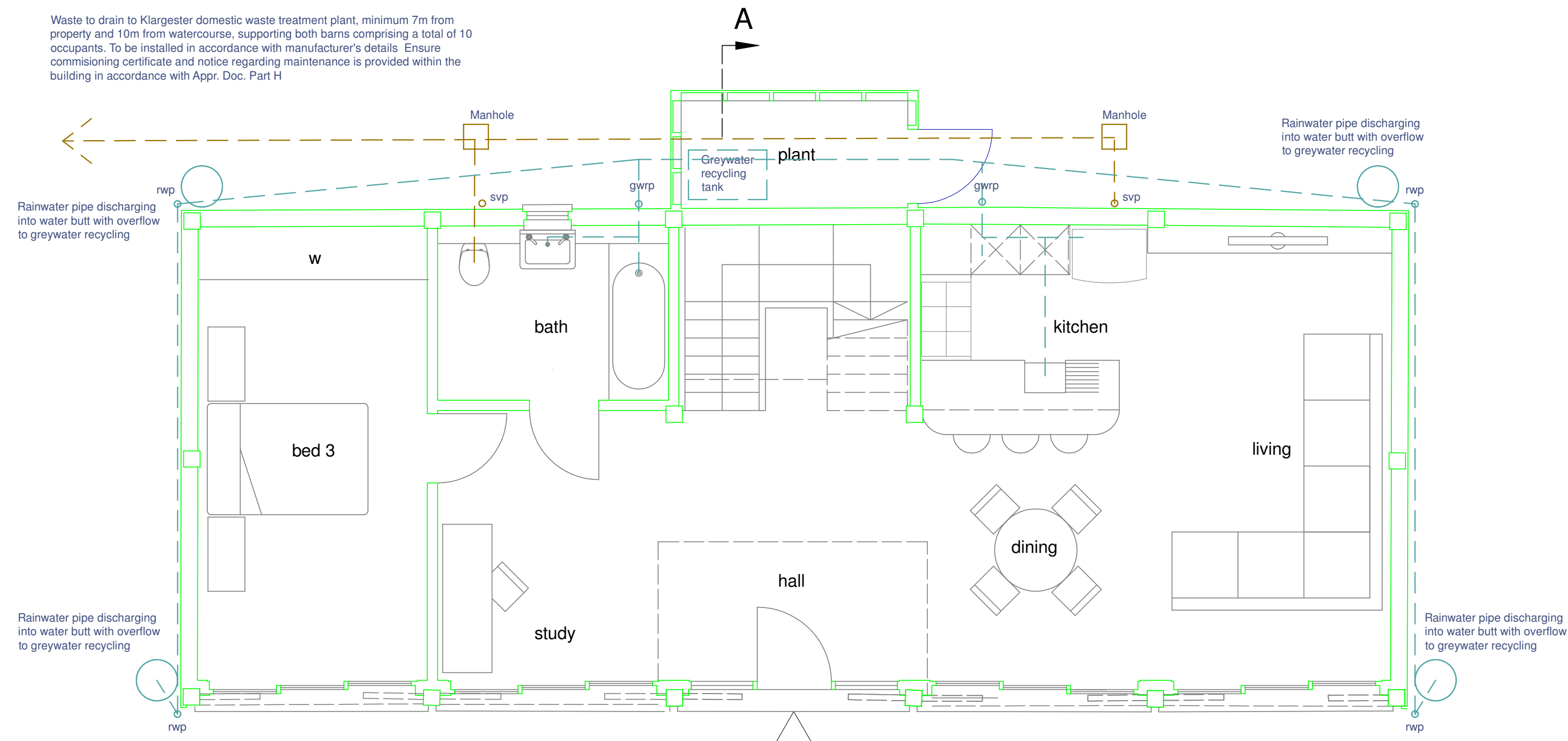
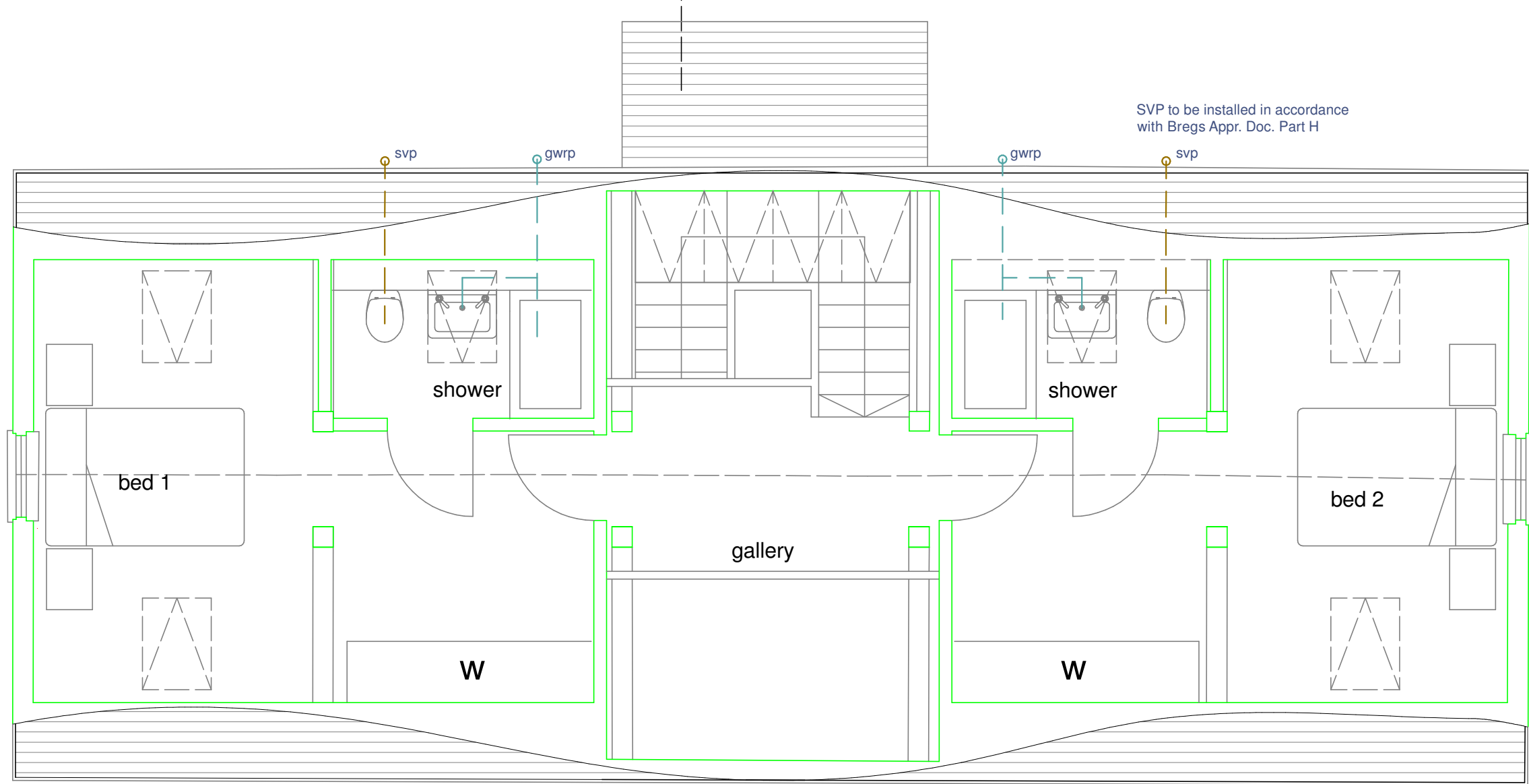
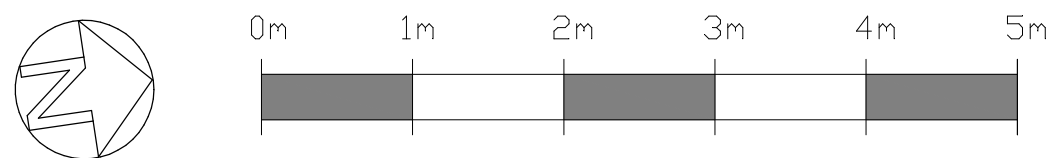




Existing / as-built ground floor plan Scale 1:50 @A1



Existing / as-built first floor plan Scale 1:50 @A1

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A

2.75 hectares overall site area

1288m² non permeable surface including; existing structures and concrete areas (no change from existing and in other part of site unrelated to barn conversion)

2.62 hectares of permeable surfacing, (no change from existing) including; grass, planting, gravel and permeable paving areas

Rainfall intensity of 0.014 Litres/ second to be assumed under normal situations. With an additional 40% (0.0056 Litres/ second) for example in a 1 in 100 year event; (0.0196Litres/ second). Assuming 24 hours continuous rainfall; (1,693 Litres)

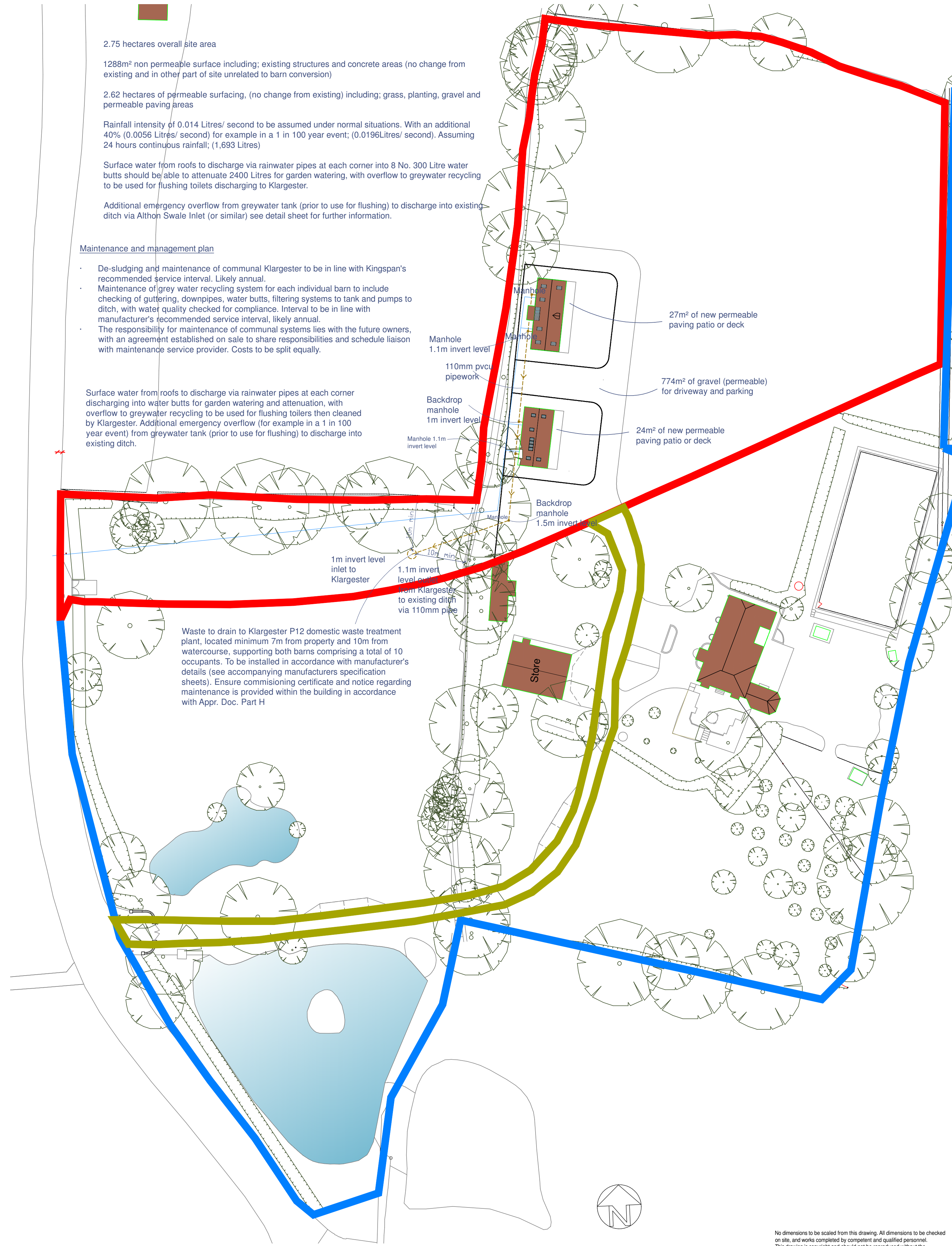
Surface water from roofs to discharge via rainwater pipes at each corner into 8 No. 300 Litre water butts should be able to attenuate 2400 Litres for garden watering, with overflow to greywater recycling to be used for flushing toilets discharging to Klargester.

Additional emergency overflow from greywater tank (prior to use for flushing) to discharge into existing ditch via Althor Swale Inlet (or similar) see detail sheet for further information.

Maintenance and management plan

- De-sludging and maintenance of communal Klargester to be in line with Kingspan's recommended service interval. Likely annual.
- Maintenance of grey water recycling system for each individual barn to include checking of guttering, downpipes, water butts, filtering systems to tank and pumps to ditch, with water quality checked for compliance. Interval to be in line with manufacturer's recommended service interval, likely annual.
- The responsibility for maintenance of communal systems lies with the future owners, with an agreement established on sale to share responsibilities and schedule liaison with maintenance service provider. Costs to be split equally.

Surface water from roofs to discharge via rainwater pipes at each corner discharging into water butts for garden watering and attenuation, with overflow to greywater recycling to be used for flushing toilets then cleaned by Klargester. Additional emergency overflow (for example in a 1 in 100 year event) from greywater tank (prior to use for flushing) to discharge into existing ditch.



Existing site/ block plan Scale 1:500 @A1



No dimensions to be scaled from this drawing. All dimensions to be checked on site, and works completed by competent and qualified personnel. This drawing is copyright and should not be reproduced without the permission of the Draftsman.

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A 130425 Drainage and notes added

rev. date

Client: Mr & Mrs Perver

Project: Barn extension, Providence Farm, Waringlid

Drawing: Existing / as built plans

Scale: 1:50, 500 & 1250@A1

Date: Nov 2024

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