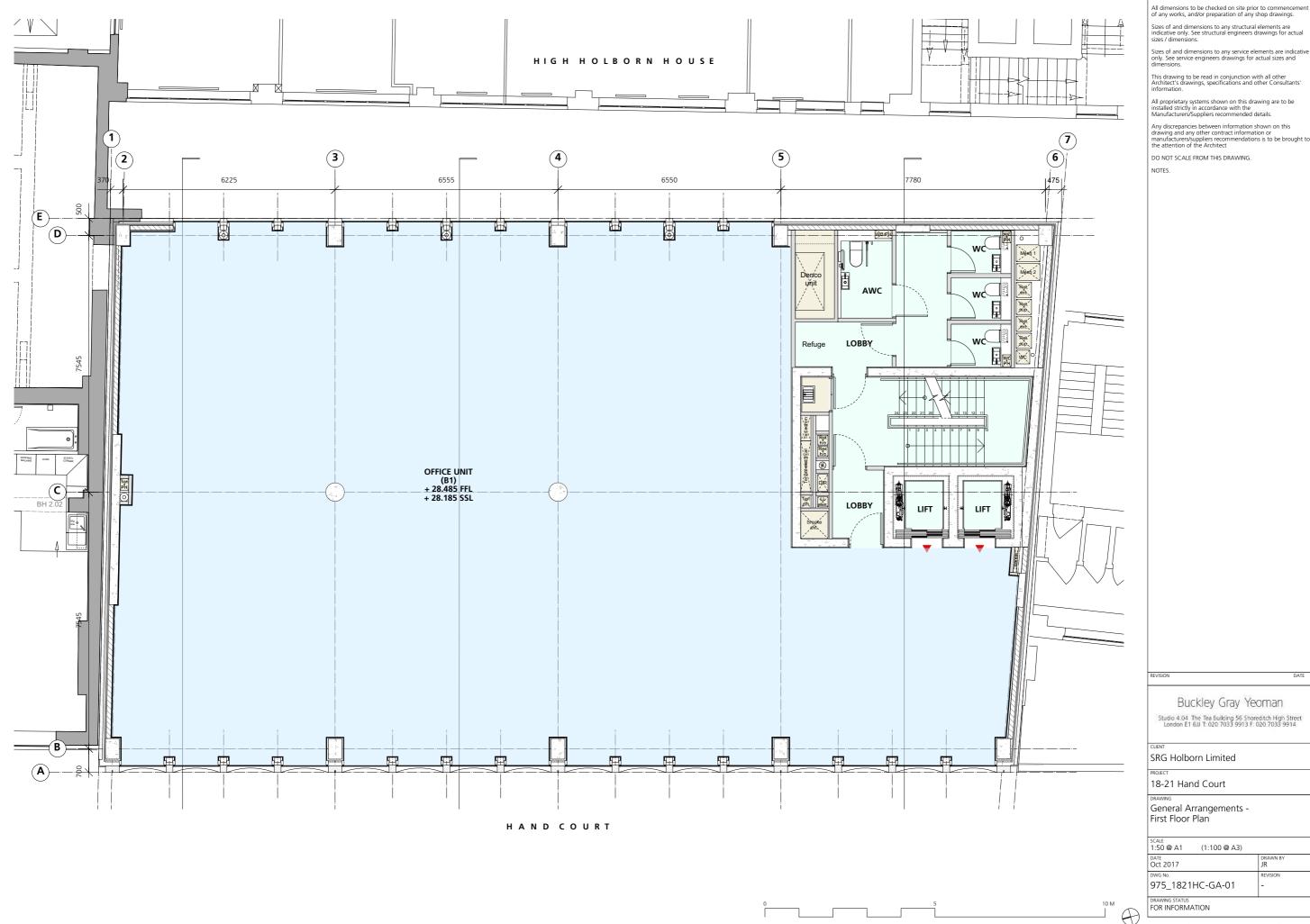
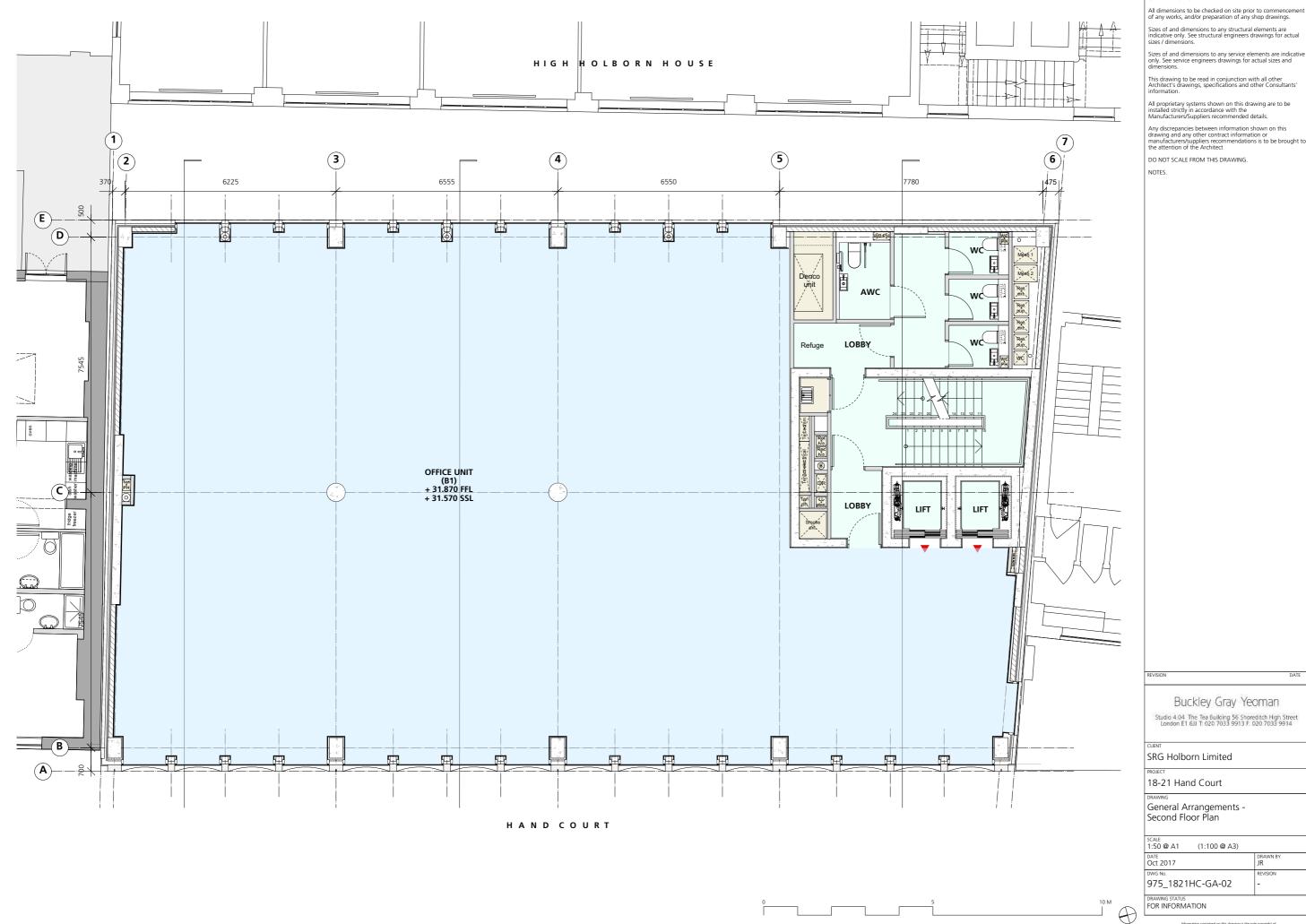


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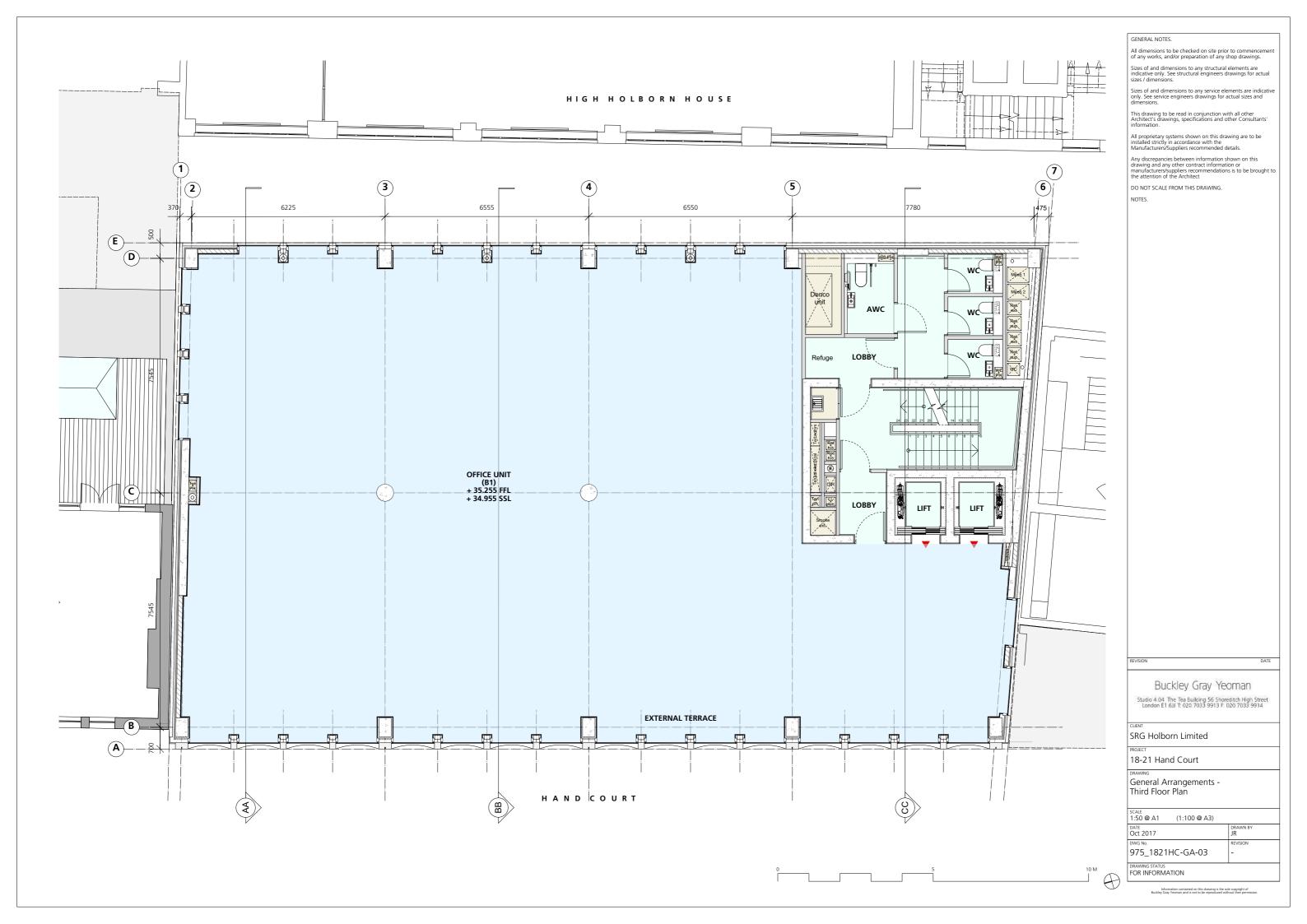
GENERAL NOTES.

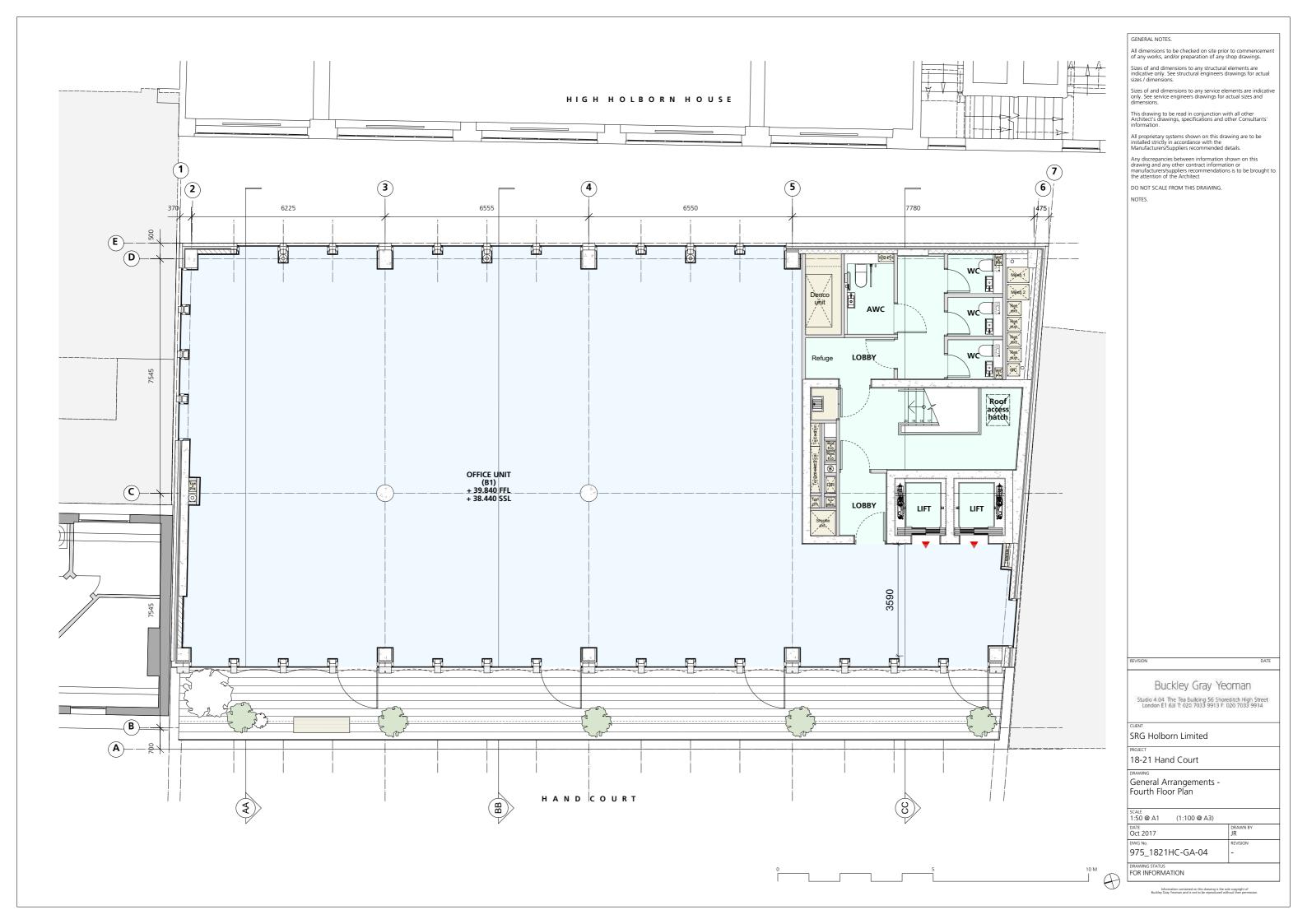


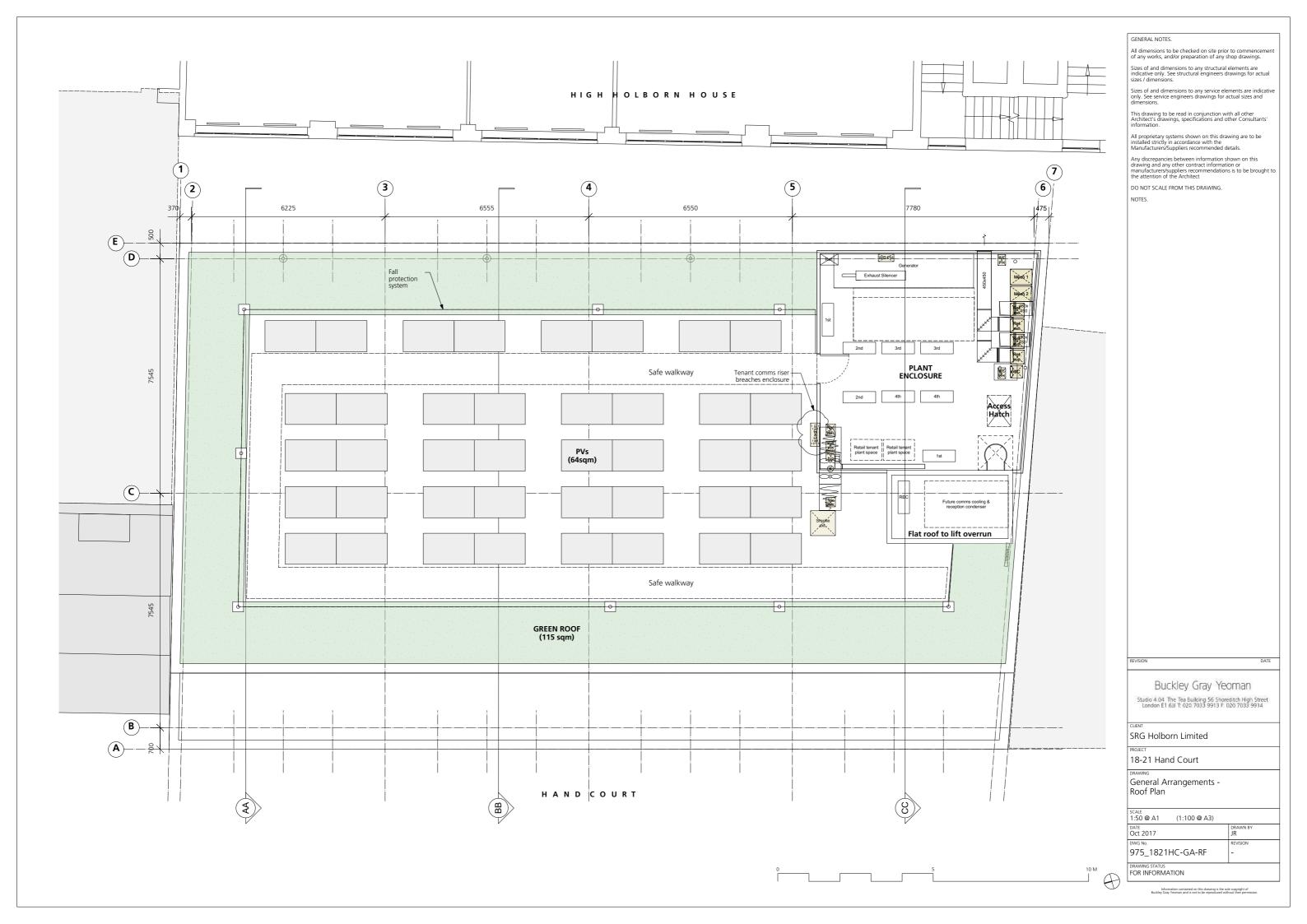
GENERAL NOTES.

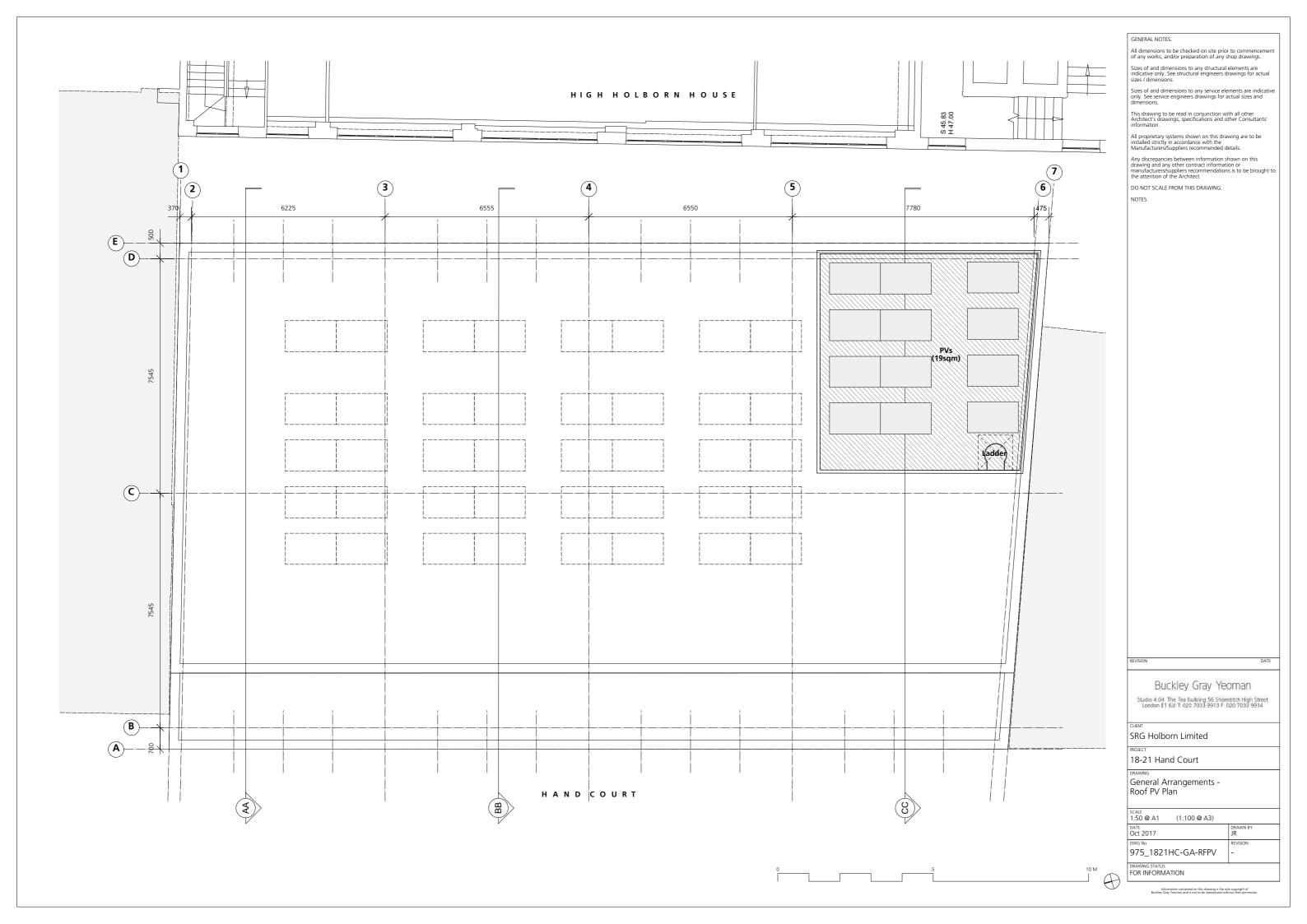


GENERAL NOTES.









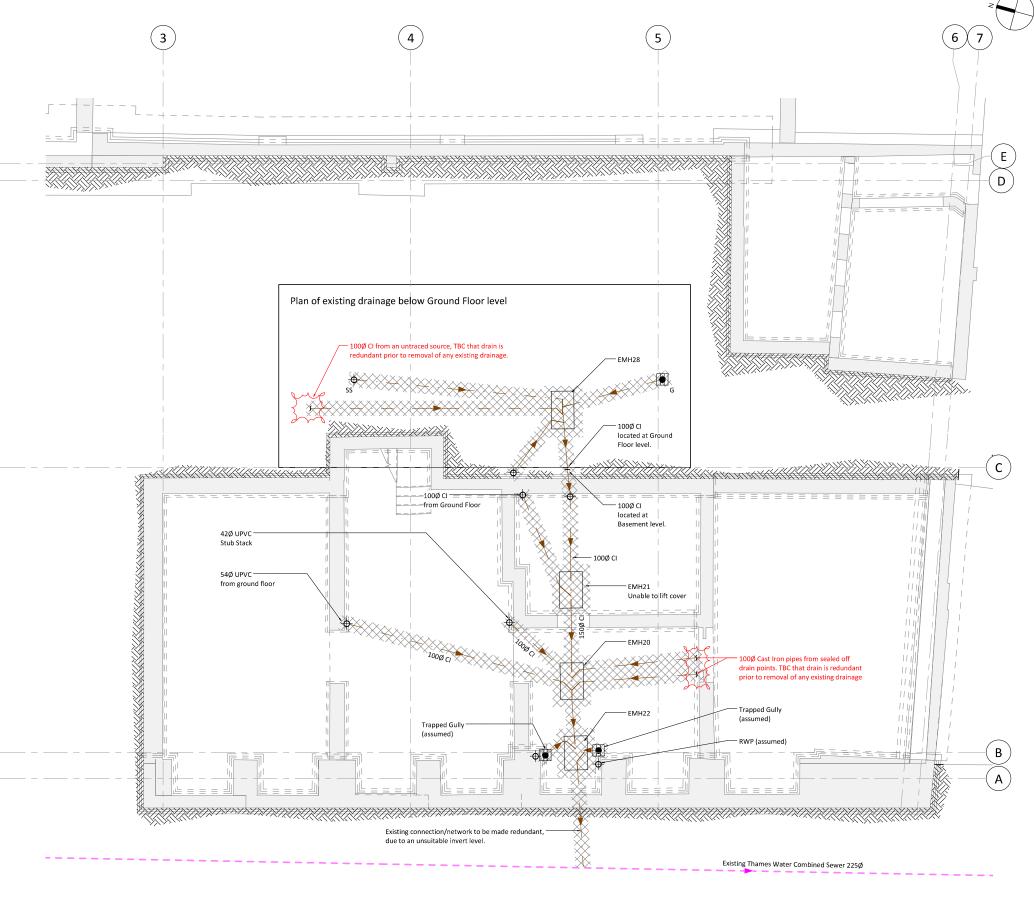
Appendix B

Existing Drainage Layout & CCTV Survey



- 1 This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- $2\,$ $\,$ Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm
- 3 All drainage shall comply with the typical drainage construction details and the requirements of BS EN 752.
- 4 Access covers and frames shall comply with the loadings specified and to BS EN 124 and kitemarked or if recessed covers are specified then in accordance with FACTA association equivalent
- 5 The proposed building outlines shown on this drawing are for information only. Refer to Architects plans for precise location setting out information and details.
- 6 All drainage pipework shown shall be 100mm diameter unless
- 7 All underslab drainage shall be laid at gradients of 1:40 min. for foul pipework and 1:80 min. for surface water unless noted
- 8 All underslab drainage shall be clear of foundations unless shown otherwise with long radius bends kept to a minimum and used
- 9 At least one soil pipe at the head of each foul run shall be vented to
- 10 All gutters shall be fitted with a leaf filter at each outlet to reduce
- 11 All foul and rainwater downpipes shall be accessible above ground for rodding purposes.
- 12 Any part of the existing drainage system to be retained as part of the new scheme shall be cleaned and inspected by CCTV survey. Any structural defects shall be repaired or replaced as may be required using appropriate and approved methods.
- 13 Where existing access locations are to be retained the cover and frames shall be checked to ensure they are of a suitable duty for reuse and levels adjusted to suit proposed finished ground levels.
- 14 All internal access covers shall be recessed, double sealed and
- 15 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
- 16 All private drainage pipework for foul and surface water systems have been designed on the basis of UPVC to BS EN 1401-1, unless noted otherwise.
- 17 All adoptable drainage pipework for foul and surface water systems have been designed on the basis of clayware, concrete or plastic to comply with Sewers for Adoption 7th Edition.
- 18 Concrete encasement of the pipework shall be required where the vertical clearance between two pipes crossing is less than 300mm
- 19 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 abandoned shall be sealed by appropriate means.
- 20 All drainage connecting to the public sewer network shall not commence until receipt of the approval from the drainage authority and shall comply with requirements using vitrified clay pipework to BS EN 295 with plain sleeved or socketed flexible joints
- 21 Where drainage works are carried out in the public highway the relevant necessary approvals and road opening notices shall be obtained from the highway authority and utility companies.
- 22 Upon completion all new drainage installation together with any existing drainage retained shall be jetted and CCTV surveyed.

 Contractor to ensure that the drainage system is fully operational, free of excess debris/silt and all identified faults rectified.
- 23 The contractor is to execute all repair works and recommendations associated with drainage to be retained and reused.
- 24 HEALTH & SAFETY: Future works shall be carried out by specialist competent and experienced contractors. All operatives shall have received full and appropriate training with appropriate qualifications for the operations they are required to undertake. All work shall be carried out in accordance with the relevant Health & Safety Regulations.
- 25 This Drawing is for planning purposes only and is subject to change.
- 26 This drawing does not show co-ordination at this stage and therefore it should be explored in greater detail at the detailed design stages.
- 27 All below ground level drainage should be pumped up to ground level and then discharged via gravity to the public sewer



Existing Manhole Schedule

Ref	Cover level	Invert level	Chamber size	MH Material / Type	Cover Class	Cover Size	Notes
EMH20	21.340	20.410	960 x 610	Brick	TBC	750 x 750	-
EMH21	21.340	TBC	TBC	ТВС	TBC	TBC	Unable to lift cover - below carpet
EMH22	21.340	20.260	900 x 610	Brick	TBC	720 x 720	-
EMH28	23.390	22.155	1000 x 600	Brick	TBC	840 x 690	-

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings

3 Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar

- Cover Level - Invert Level - Manhole - Outer Diameter - Rainwater Pipe

Existing drainage layout based on spaflow CCTV survey, dated: Feb 2011.

Existing cover levels obtained from survey drawing by Plowman Craven, dated: May 2012.





Redundant drain run Proposed / Existing Rain Water Pipe

Proposed / Existing Drainage Point Proposed / Existing Stub Stack Proposed / Existing Gully

Existing Manhole

P1 20.06.18 KG KG Preliminary Issue



STRUCTURAL **ENGINEERS**

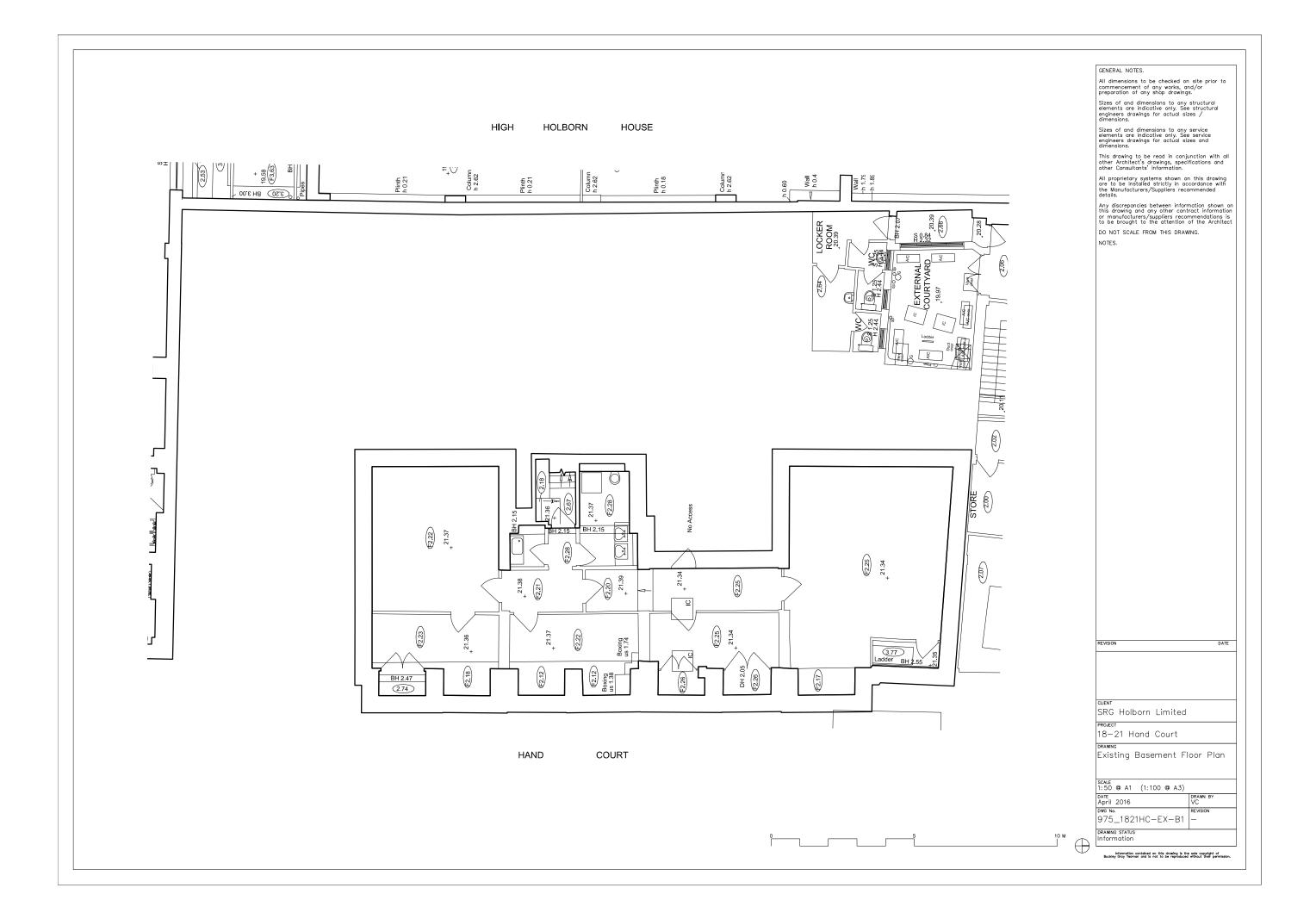
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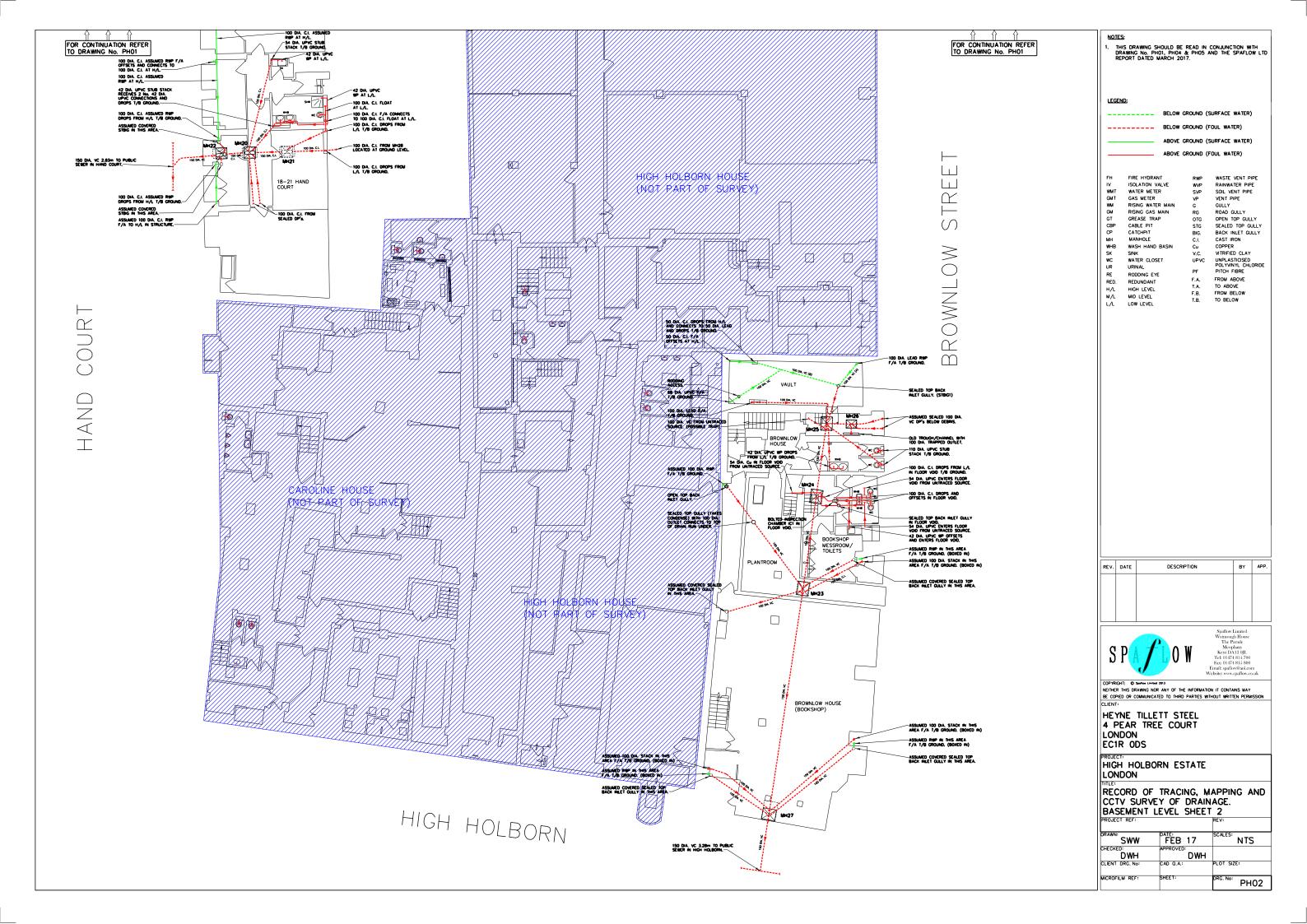
High Holborn Estate 18-21 Hand Court

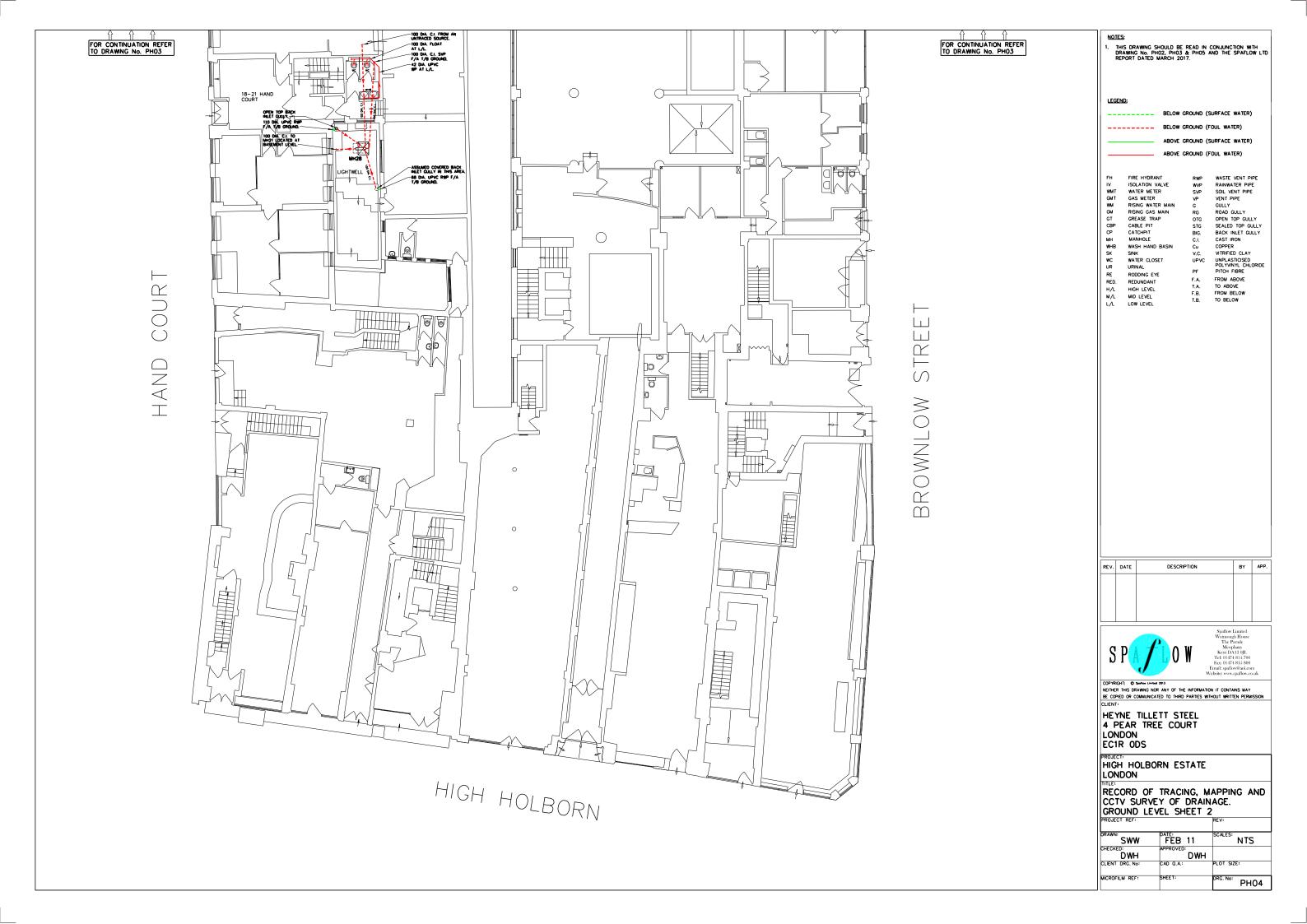
Existing Below Ground Drainage Lower Ground Floor

Purpose of Issue **Preliminary** Scale at A1 1:50

Drawing No 1508/HC/DR400 Rev P1







Appendix C

SWMP Extracts and Flood Maps





Flood map for planning

Your reference Location (easting/northing) Created

1508 530856/181649 20 Jun 2018 2:03

Your selected location is in flood zone 1, an area with a low probability of flooding.

This means:

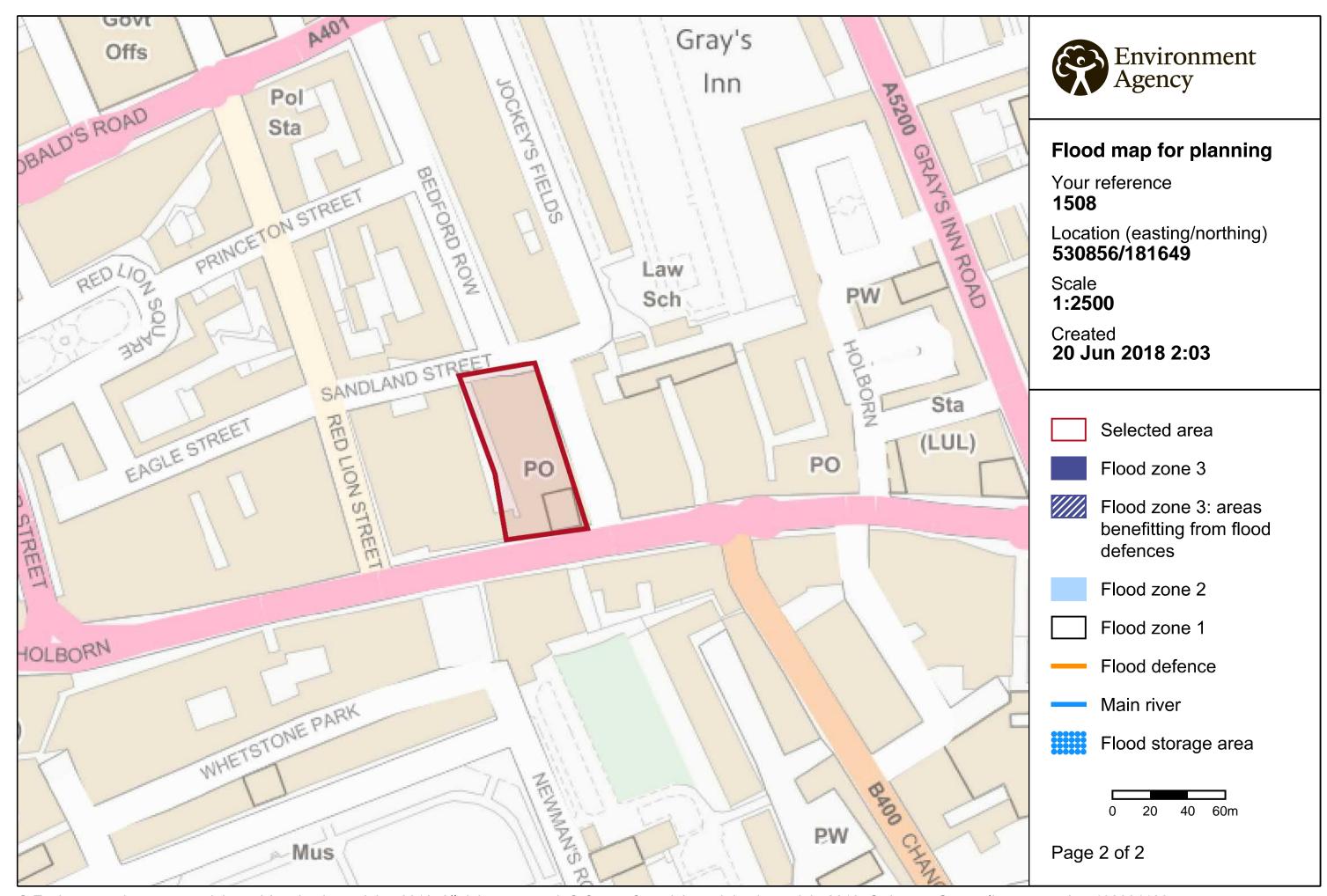
- you don't need to do a flood risk assessment if your development is smaller than 1
 hectare and not affected by other sources of flooding
- you may need to do a flood risk assessment if your development is larger than 1
 hectare or affected by other sources of flooding or in an area with critical drainage
 problems

Notes

The flood map for planning shows river and sea flooding data only. It doesn't include other sources of flooding. It is for use in development planning and flood risk assessments.

This information relates to the selected location and is not specific to any property within it. The map is updated regularly and is correct at the time of printing.

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