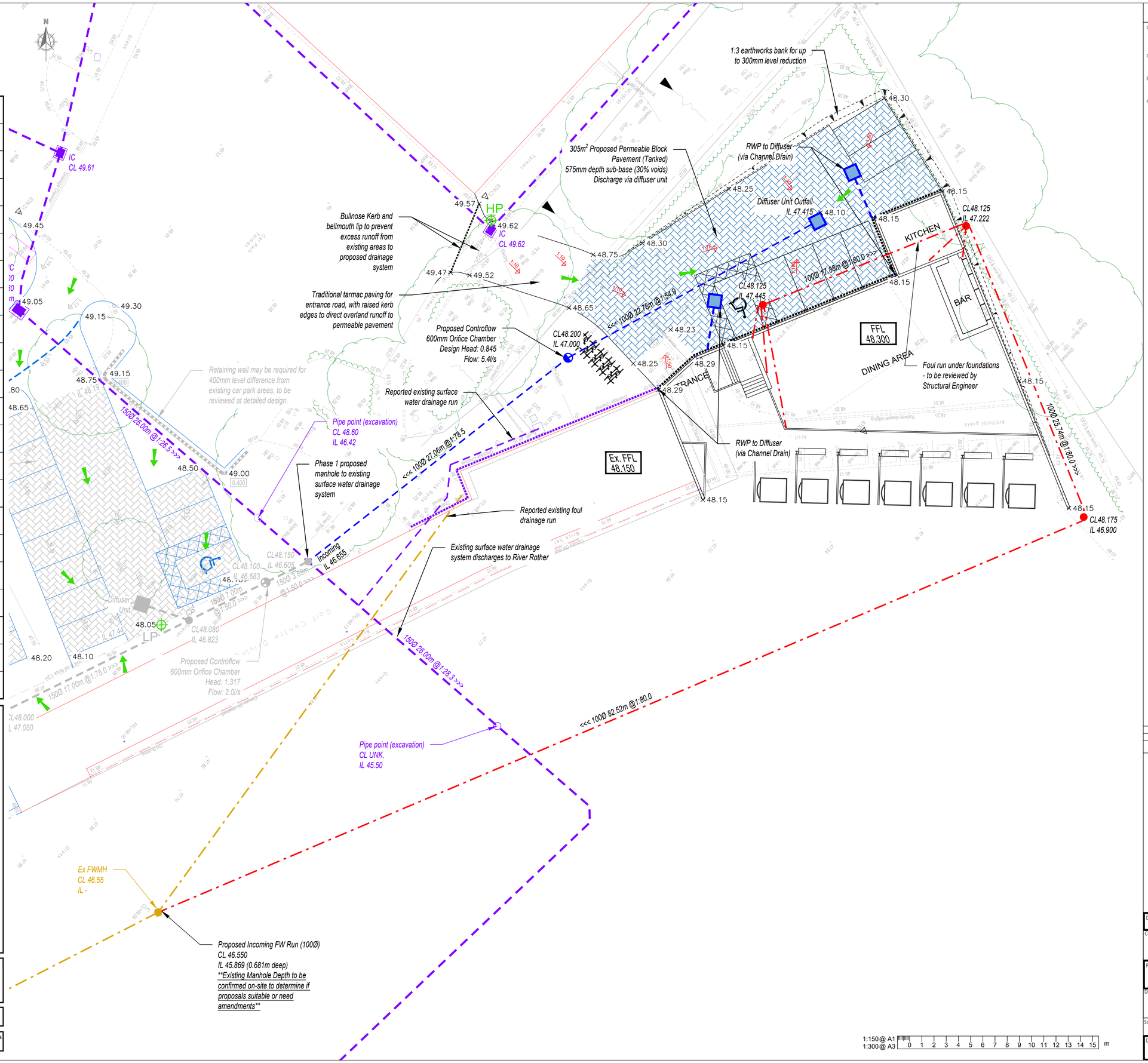

DRAINAGE LEGEND

FOUL WATER DRAINAGE	
CL##.## IL##.##	PROPOSED FOUL WATER MANHOLE
	PROPOSED FOUL DRAIN/SEWER
CL##.## IL##.##	EXISTING FOUL WATER MANHOLE
	EXISTING PUBLIC FOUL SEWER
SURFACE WATER DRAINAGE	
CL##.## IL##.##	EXISTING SURFACE WATER ASSET (UNCLASSIFIED)
	EXISTING SURFACE WATER ASSET (UNCLASSIFIED)
CL##.## IL##.##	PROPOSED SURFACE WATER MANHOLE (CP DENOTES CATCHPIT)
	PROPOSED SURFACE WATER DRAIN/SEWER
	PROPOSED FLOW CONTROL UNIT
RE	PROPOSED RODDING EYE
	PROPOSED PERMEABLE SURFACING
	PROPOSED DIFFUSER UNIT
MISC	
+ 100.00	EXISTING SPOT LEVEL
×7.40	PROPOSED SPOT LEVEL
1:39	PROPOSED FALL
	PROPOSED OVERLAND FLOWS
FFL	PROPOSED FINISHED FLOOR LEVELS
LP / HP	PROPOSED DEVELOPMENT LOW POINT / HIGH POINT

-SURFACE WATER STRATEGY-

- Surface water disposal should be managed in view of the SuDS hierarchy;
  1. Infiltration
  2. Watercourse
  3. Public Surface Water Sewer(s)
- Geotechnical investigation found limited infiltration potential within the underlying CLAY strata, with negligible fall in both soakage tests preventing compliant results. Maximum groundwater levels were at 0.65mbgl during groundwater monitoring.
- Permeable block pavement will be used in the car parking area with a subbase depth of 575mm, and an impermeable geotextile base.
- Runoff from the drainage system will be discharge into the existing surface water drainage system at a maximum controlled flow rate of 5.4l/s, via a flow control manhole. The flow rate is equivalent to the average peak annual runoff rate of the existing hardstanding catchment of 389m², based on an annual peak rainfall of 50mm/hr.
- Preliminary hydraulic calculations adhere to the following criteria, providing storage capacity without flooding for;
  - a 1-in-100 year storm event,
  - with an allowance of 45% for climate change
  - utilising FEH22 rainfall data and a Cv of 1.0
- Proposed levels and drainage design ensure no runoff from proposed hardstanding areas off site up to the design event.

-FOUL WATER STRATEGY-

- The proposals require additional foul drainage for the proposed toilets, bar and kitchen. The extension will connect into the existing private foul water drainage run.

Topographical information shown is based on site survey undertaken by others as part of site-wide development.

Contours are only as accurate as the initial land survey information. Contours are approximate only and spot levels may vary slightly on site.

NOTES

A1

1. This drawing is to be read in conjunction with all other Bright Plan Civils drawings, and with all relevant Architect's and Engineer's drawings and specification. Any discrepancies found are to be reported immediately to the Engineer.
2. Bright Plan Civils accepts no responsibility for inaccuracies in data provided by third parties such as topographic surveys or Ordnance Survey mapping.
3. Do not scale, work to figured dimensions only. All dimensions are in millimeters unless noted otherwise and all levels are in metres from the topographic survey datum.
4. Any information given regarding existing underground services is given in good faith after consultation with the relevant authority, however accuracy is not certain.

PLANNING

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Rev.	Amendments	Date
-	Original Issue	24/01/2023

BRIGHT PLAN CIVILS
Transport Planning and Infrastructure Design Consultants
2 West Barn, Norton Lane, Chichester, West Sussex PO20 3AF
Tel: 01243 210418
www.bpcivils.co.uk enquires@bpcivils.co.uk

Drawing Status: PLANNING

Client: Brows Farm Partnership

Project: Brows Farm Golf Centre, Farnham Rd Liss GU33 6JG

Drawing Title: Preliminary Levels & Drainage Design - Phase 2

Scale	Date	Drawn By	Checked By
1:150	Jan 2024	DJL	MJA

Drawing No. D2146-501 Rev. -