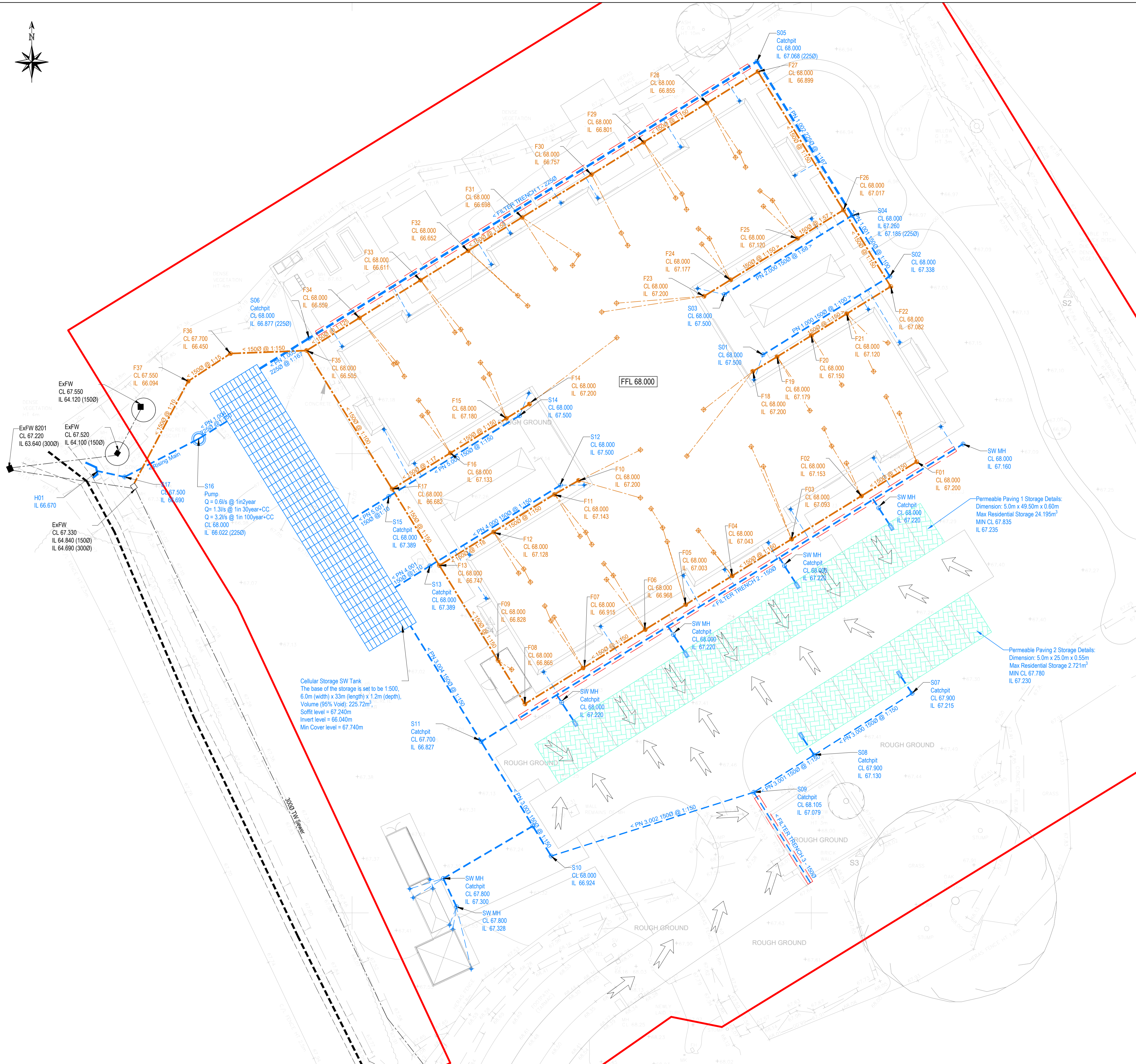




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### Key

- Proposed finished floor level FFL 105.660
- Proposed Private Surface Water Drain (PPIC with 1500 main runs & PCCIC) PPIC150 PCCIC
- Proposed Private Foul Water Drain (PPIC with 1500 main runs) PPIC150s
- Proposed private surface water drain (pipe size @ gradient) 1500 @ 1:100
- Proposed private foul water drain (pipe size @ gradient) 1500 @ 1:100
- Proposed private permeable block paving
- Proposed private foul drain point
- Proposed private surface water drain point
- Proposed private attenuation tank
- Existing sewer
- Proposed overland flood flow route
- Proposed diffuser block
- Proposed Filter Trench with Perforated Pipe
- Existing Ditch
- Proposed private headwall
- Site Boundary

### Drainage Strategy Notes:

1. Proposed net impermeable area 0.296 ha
2. The design has followed the drainage hierarchy. As infiltration is not a viable option of discharge for this site, the surface water is to be discharged to the neighbouring watercourse.
3. Surface water from the site is to be restricted to a discharge rate of 11l/s/ha for the 1in100 +CC storm event and a discharge rate of 2l/s/ha for the 1 in 2 year storm event, into the existing ditch to the west of the site. Due to the nature of this requirement from the LLFA, and due to other site complexities, a pump with a variable discharge rate will be utilised.
4. Surface water is to be discharged to the offsite existing ditch, via pumping, through a 150mm dia. pipe at an invert level of 66.670m. Connection to offsite ditch with agreement with relevant parties.
5. Climate Change Allowance of the development (building design life is expected to be 100 years) are 35% and 40% for 1 in 30-year and 1 in 100-year rainfall events, respectively.
6. SuDS feature to improve water quality via permeable paving parking, filter trench and catchpits to be implemented. Permeavoid or similar devices to be installed at the low point of the parking spacing. Permeable Paving provides an additional max resident volume of 26.916m<sup>3</sup>.
7. The foul water from the development is proposed to discharge to the existing offsite chamber via gravity connection. Discharge level to the chamber is 64.840m. Connection to offsite sewer with agreement with relevant parties.
8. All foul water and surface water sewers are 1500 dia. Unless stated otherwise.
9. Existing sewer cover and invert levels have been provided by LNT
10. All downpipes connected directly to a filter trench to have a gully/catchpit.

Construction Risks	Maintenance/Cleaning Risks	Demolition/Adaptation Risks

In addition to the hazards risks normally associated with the type of works detailed on this drawing take note of the above. It is assumed that all works on this drawing will be carried out by a competent contractor working, where appropriate, to an appropriate method statement.

### SAFETY HEALTH AND ENVIRONMENTAL INFORMATION BOX

### NOTES

1. DO NOT SCALE.
2. Should there be any conflict between the details indicated on this drawing and those indicated on other drawings issued the Engineer should be informed PRIOR to construction on site.
3. Until technical approval has been obtained from the relevant Authority, it should be understood that all drawings issued are Preliminary and NOT for construction. Should the contractor commence site work prior to such approval being given, it is entirely at his own risk.
4. All dimensions are in metres unless otherwise stated.
5. The BSP Hazard Identification and Risk Assessment information for this project must be reviewed and understood by the contractor PRIOR to the commencement of any works on site.

REV	COMMENT	DATE	CHECKED BY	DATE	APPROVED BY	DATE
P05	Amendment to tank and pump	03/02/25	MG	03/02/25	TG	03/02/25
P04	Amendment to place tank under parking spaces	24/01/25	MG	24/01/25	TG	24/01/25
P03	Amendment due to LLFA comments	12/12/24	MG	12/12/24	TG	12/12/24
P02	Amendment to foul water outfall	31/07/24	MG	31/07/24	TG	31/07/24
P01	First Issue	15/07/24	TG	15/07/24	TG	15/07/24

SCALE @ A1	ISSUING OFFICE	PROJECT NUMBER
1:200	NOTTINGHAM	24-0303

CLIENT APPROVAL	
A - APPROVED	
B - APPROVED WITH COMMENTS	
C - DO NOT USE	

STATUS	PURPOSE OF ISSUE
S1	PRELIMINARY

• CIVIL • STRUCTURAL • TRANSPORTATION • GEOTECHNICAL • ENVIRONMENTAL

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PROJECT  
**Graven Hill, Bicester, Oxfordshire**

TITLE  
**Drainage Strategy**

CLIENT  
**LNT Construction Ltd.**