LEGEND:

- BELOW GROUND DRAINAGE - FOUL
- BELOW GROUND DRAINAGE - SURFACE
- MANHOLE OR IC - FOUL
- MANHOLE OR IC - SURFACE
- SVP / RWP
- PI — PETROL INTERCEPTOR: SPEL BYPASS 103 CI/SC
- CP — CATCH PIT
- G — GULLY
- SLOT DRAIN
- HEADWALL
- FALL 1:100 — DIRECTION OF FALL (SURFACE)
- 122.50 — SPOT LEVEL
- EXCEEDANCE FLOW ROUTE

KEY:
- POROUS GRAVEL
- BLACKTOP OR CONCRETE

PLANNING APP: 19/12156/FUL PHASE 1 EXTENSION TO EXISTING B1 25% B2 25% B8 50%

PLANNING APP: 19/12156/FUL PHASE 1 GARAGE

EXISTING LICENSED STP RETAINED TO SERVE EXISTING BUILDING, EXTENSION AND BLOCK A. EXISTING SEWER DIVERTED, AS SHOWN. IF REQUIRED

RISING MAIN FROM BLOCK A TOILETS TO CONNECT TO EXISTING FOUL CHAMBER.

ORIFLOW CONTROL CHAMBER TO RESTRICT DISCHARGE TO 1.5 l/s FOR STORM EVENTS UP TO AND INCLUDING 1 IN 100 YRP + 30% CC

400 KN B/G CELLULAR STORAGE 2M X 2.5M X 1M HIGH CRATES @ 95% VOIDS/TO ACHIEVE 4.8m³ STORAGE BASE LEVEL 122.45 INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION

MAKE CONNECTION USING A PREFERRED Y-JUNCTION & COUPLING TO SUIT PIPE MATERIALS AND DIAMETERS. THE CONTRACTOR SHALL EXCAVATE TO DETERMINE THE SIZE AND DEPTH OF THE EXISTING SEWER. THE CONTRACTOR SHALL CONFIRM THE EXISTING PIPE LEVEL TO THE ENGINEER TO CONFIRM A GRAVITY CONNECTION IS POSSIBLE.

EXISTING STP PIPE

125mm U/S KERB

6 NO. DRIVE-UP UNITS PROPOSED

14 NO. DRIVE-UP UNITS PROPOSED

CATCHPIT CHAMBER with 450Ø IL PIPES= 123.42

BOB IL 123.53

SMH1 CL 123.9 IL 122.500

HAURATON RECYFIX HICAP F 5000 CHANNEL

PHASE 2 BLOCK A FFL 124.00

CHANNEL DRAIN

TRAPPED SUMP OUTLET

SMH2 CL 123.9 IL 122.027

SMH3 CL 123.9 IL 121.842

SMH4 CL 123.9 IL 121.628

SMH5 CATCHPIT CL 122.647 IL 120.247

SMH6

BELOW GROUND CELLULAR STORAGE TANK 5m X 29m X 1.5m HIGH TO PROVIDE 212m³ MIN. STORAGE. 1m COVER

APPROXIMATE LINE OF EXISTING WATERCOURSE

PROPOSED OUTFALL TO WATERCOURSE APPROX INVERT LEVEL 113.25

EXCEEDANCE FLOW

HYDROBRAKE CHAMBER TO ATTENUATE TO 5.25 l/sec FOR STORM EVENTS UP AND INCLUDING 1 IN 100 + 25% CC

ACCESS ROAD FALLS AND DRAINS AS EXISTING

EXISTING STORAGE CONTAINER RELOCATED

EXISTING STORAGE CONTAINERS

15 NO. EXISTING STORAGE CONTAINERS

13 NO. EXISTING STORAGE CONTAINERS RELOCATED

TO EXISTING SOAKAWAY

RWP

EXISTING BUILDING

EXISTING PALISADE FENCE

FURNAX LANE

SITE BOUNDARY

PLANNING APP: 19/12156/FUL PHASE 1 SUB STATION procurement to be confirmed

PHASE 2 BLOCK A SELF-STORAGE SCHEME B8 100% Level 0 - 13,000 sqft

(SEEKING PLANNING APPROVAL FOR THE CHANGE OF USE (APP: PL/2023/02481) FROM MULTI-UNIT DEVELOPMENT TO SELF-STORAGE SCHEME

INTERNAL LAYOUT TO BE CONFIRMED

PHASE 3 DRIVE-UP SELF-STORAGE UNITS (TO SEEK PLANNING APPROVAL) (DETAILS TO BE CONFIRMED)

5m 0 5m 10m 15m 20m 25m

GENERAL

1. This drawing is to be read in conjunction with all relevant Engineers drawings. Architects drawings, schedules and specifications.
2. Do not scale from drawings.
3. Refer to Architects drawings for parking levels and setting out information.
4. All external drainage to be constructed in accordance with Sewers for Adoption 7th Edition.
5. All internal drainage to be in accordance with Building Regulations Document 'H'.
6. Contractor shall check the levels of all existing connections as early as possible and report any discrepancies to the engineer.
7. Shallow sewers and sewers adjacent to existing and proposed trees / dense vegetation will require concrete protection in accordance with the details. Elsewhere pipework is to receive Class S bed and surround, Bedding and surround material shall meet the requirements of the pipe manufacturers recommendations.
8. All under-floor foul drains to be 100Ø unless shown otherwise.
9. Sizes of RWP connections shall be checked against the specialist rainwater goods suppliers information.
10. Pipework connections to manholes are to be laid soffit to soffit, unless shown otherwise.
11. Vitrified clay pipes and fittings for gravity sewers shall have flexible mechanical joints. Pipes shall comply with the relevant requirements of BS EN 295-1 and BS 65 (Surface water pipes only). Thermoplastic structured wall sewer pipe shall comply with the relevant provisions of BS EN 13476-1 and WIS 4-35-01 and BS EN 13476-2 or BS EN 13476-3. Pipes shall be BSI kitemarked or have the equivalent third party certification.
12. Foul connections to be laid no flatter than 1:80 where at least one WC is connected. Sink connections are to be laid no flatter than 1:40.
13. Abandoned sewers shall be removed or grouted over the full length and abandoned manholes shall be broken out and back filled with lean mix concrete to 1.5m below ground level.
14. Pipe to pipe connections including gully connections to be preformed T junctions.
15. All below slab RWPs and SVPs and SPs connected via a 'T' section shall have an accessible rodding access just above the finished floor level.
16. The contractors attention is drawn to the water table 2m - 2.85m BGL. All drainage penetrations and seals to be watertight.

QUALITY

1. All building work to be carried out by a competent contractor in accordance with the relevant mandatory regulations, UK Building Regulations, British Standards and good practice.
2. Similarly materials and fabrication to meet the relevant British Standards and national specifications.
3. Contractor shall carry out a CCTV survey of all completed sewer runs to prove no defects are present.

Rev	Description	Date
I	Drainage amended around drive up storage units	25/10/23
H	Phase2 self-storage scheme and phase3 drive-up self-storage units shown.	09/10/23
G	Temporary cesspit added. Phase 1 storm drainage added.	16/02/22
F	Kerbs added north and south sides. Exceedance flow routes adjusted to suit.	23/10/20
E	Minor corrections.	24/09/20
D	Additional flood exceedance route arrows added.	23/09/20
C	STP deleted and foul PS shown.	17/09/20

Drawing Title
Drainage Strategy

Drawing No 101 | Rev I | Scale 1:250 @A1, 1:500 @A3

Drawing Status
PLANNING

Drawn By AS | Checked By SC | Date Oct 2023

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Project Number BC00426

Project Name Norbeck Enterprise Centre, Furnax Lane, Warminster Business Park.

Client Norbeck Ltd.

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