

GENERAL NOTES

- All setting out to be in accordance with the Architects drawings. Any discrepancies between the Engineers and the Architects drawings to be referred to the Architect before proceeding. Dimensions must not be scaled.
- All drainage to be installed in accordance with relevant Building Regulations documents and Current Sewers for Adoption where applicable.
- Connections to Public sewers to be agreed and inspected by Water Authority.
- Invert level, size and cover levels to existing manholes and sewers to be checked prior to any construction. Any discrepancies to be reported immediately.
- Invert to base of soil stack bends to be 450mm below lowest branch connection for up to 3 storeys buildings. For buildings up to 5 storeys the invert to base of soil stack bends should be not less than 750mm.
- All RWP and Foul Water drain point setting out is to be confirmed by Architect.
- All RWP & SVP sizes & setting out by Architect / M&E Engineer. All below ground connections to match above ground outlet size, Min 100/110mm diameter.
- Foul drains to project 100mm above finished floor level.
- All internal Manholes and Inspection Chambers to have double sealed recessed covers to suit floor finishes by Architect.
- All external covers in footpaths and roads in non tarmac areas to have recessed trays to suit the paving material.
- Refer to drainage specification for pipe materials.
- All pipework to be 100/1100 UNO. Refer to note 7 connection sizes.
- All foul and surface water drainage stacks to have above ground rodding access, refer to above ground drainage layout by others.
- This drawing has been produced in colour and should be reproduced in colour for clarity.
- A CCTV Survey and report in WINCAN format for all new drainage will be required before the "As Built" drawings will be issued.

DRAINAGE LEGEND (1:200)

EXISTING FEATURES

- Ex FWD Existing foul water sewer/drain and manhole
- Ex SWD Existing surface water sewer/drain and manhole

PROPOSED FEATURES

- SWD Storm water sewer/drain
- SWD Proposed SW pipe sleeved through the foundation

RWP Rainwater pipe (as taken from Bourne Parking Site Plan "General Arrangement - Level 0 (Whole Site)" ref: W&HC-BPL-XX-XX-DR-X-002; Revision T2; dated 01.04.2020)

- Storm water inspection chamber (4500)
- Storm water manhole
- Storm water vortex flow control chamber
- Storm water catchpit
- Proposed downstream deflector
- ACO Monodrain Channel
- Existing surface level
- 1000 4.5m 1:100 Pipe info - diameter, length, gradient

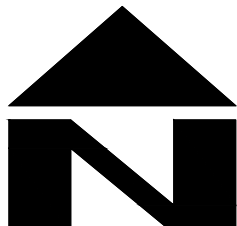
1000 4.5m 1:100

- ### ABBREVIATIONS
- MH - MANHOLE
 - IC - INSPECTION CHAMBER
 - AC - ACCESS CHAMBER
 - CP - CATCHPIT
 - BC - BRAKE CHAMBER
 - RE - RODDING EYE
 - IL - INVERT LEVEL
 - SL - SUMP LEVEL
 - CL - COVER LEVEL
 - PIC - PROPOSED MANHOLE TO EXISTING SW DRAINAGE
 - SU - SUMP UNIT
 - MA - CHANNEL MAINTENANCE ACCESS
 - CL* - PROPOSED DRAINAGE MANHOLE COVER LEVELS SUBJECT TO EXTERNAL LEVELS FINAL DESIGN

Proposed Foundation as taken from structural design.

EXTERNAL WORKS LEGEND (1:200)

- HB2 HB2 kerb line. Kerb with 100mm upstand
- Ex HB2 Existing HB2 kerb line to remain
- 6mm BN Kerb 6mm Upstand (Pedestrian crossings)
- PCC Edging laid flush with surface
- CS Kerb laid flush with surface
- Proposed dropper kerb
- Existing retaining wall to remain



SITE SPECIFIC DESIGN NOTES:

- EXISTING DRAINAGE TO BE CLEANED AND/OR RECONSTRUCTED- BASED ON CCTV SURVEY RECOMMENDATION.
- ALL EXISTING DRAINAGE AS TAKEN FROM THE AVAILABLE CCTV SURVEY INFORMATION
- FOR EXISTING DRAINAGE DIVERSION WORKS SEE DRG 9101

DESIGN SUBJECT TO THE APPROVAL OF:
BUILDING CONTROL
THAMES WATER

DESIGN SUBJECT TO THE CONFIRMATION OF:
LOCATION AND DEPTH OF EXISTING UTILITIES

C01 Construction Issue TZ CS 14.02.22

Rev. Amendment Dm Chkd Date

Drg Status **CONSTRUCTION** Subtitle **A1**

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Client **Bourne Parking Limited**

Project **Welwyn Campus
Welwyn Garden City**

Title **Proposed Drainage Plan
Sheet 1 of 2**

Reviewed Scheme JD Date 14.02.22

Reviewed Final JD Date 14.02.22

Scales at A1 1:200 Project No. **S208011**

Project Ref. Originator Zone Level Type Role Drg No. Rev.

BWG AKSW XX XX DR C 9100 C01