1:200 @ A1
1:400 @ A3
0 2 4 6 8 10 12 m

LEGEND - DRAINAGE

EXISTING DRAINAGE - FOUL
CONSTRUCTED AS PART OF INITIAL REFURBISHMENT WORKS

100Ø@1:100 — FOUL WATER DRAIN - **PVCu**
Approx. gradient and diameter as noted, 100mm Ø UNO

FW-01 — FOUL WATER MANHOLE
PC Ring 1.2m Ø UNO

FW-01 — FOUL WATER INSPECTION CHAMBER
PVCu 450mm Ø. Max 1.2m depth - reduced access to 3.0m

YG — FOUL YARD GULLY (to be trapped)
Gully reference as noted on drawing.
Cover grade to suit loading.

FD — FLOOR DRAIN (to be trapped)
Internal use only, refer to architect for details / specification.
Roddable from above slab into standard (01) fitting.
Floor Drain / Gully to be kept charged to avoid odours.

01 & 01A — EXISTING FOUL OUTLET / STACK POSITION
Shown indicative, refer to architect for setting out.
All branches 100mm Ø UNO.
01 - Outlet connects into standard 90° rest bend.
01A - Indicates access required in above slab plumbing for rodding, refer to service engineers drawings for details.
SVP - Indicates soil vent pipe by service engineer: with access.

EXISTING DRAINAGE - STORM
CONSTRUCTED AS PART OF INITIAL REFURBISHMENT WORKS

150Ø@1:100 — STORM WATER DRAIN - **PVCu**
Approx. gradient and diameter as noted, 150mm Ø UNO

SW-01 — STORM WATER MANHOLE
PC Ring 1.2m Ø UNO

SW-01 — STORM WATER INSPECTION CHAMBER
PVCu 450mm Ø. Max 1.2m depth - reduced access to 3.0m

RE — STORM RODDING EYE
Ø as noted

01 & 01A — EXISTING RAIN WATER OUTLET
Shown indicative, refer to architect for setting out.
Refer to rainwater pipe details for branch Ø.
01 - Outlet connects into standard 90° rest bend.
01A - Indicates access required in above slab plumbing for rodding, refer to service engineers drawings for details.
R-XX - EXISTING RAIN WATER OUTLET TO BE REUSED
Shown indicative, refer to architect for setting out.
Refer to rainwater pipe details for branch Ø.

AG — EXISTING RAIN WATER OUTLET ACCESS GULLY
AG - Outlet connects to gully.

YG — EXISTING YARD GULLY (to be trapped)

DC — DRAINAGE CHANNEL
(Refer to layout for specification)

TH — THRESHOLD DRAINAGE CHANNEL
(Refer to architect for details / specification)

PROPOSED DRAINAGE - STORM

150Ø@1:100 — STORM WATER DRAIN - **PVCu**
Approx. gradient and diameter as noted, 150mm Ø UNO

SW-01 — STORM WATER MANHOLE
PC Ring 1.2m Ø UNO

SW-01 — STORM WATER INSPECTION CHAMBER
PVCu 450mm Ø. Max 1.2m depth - reduced access to 3.0m

YG — YARD GULLY (to be trapped)

DC — DRAINAGE CHANNEL
(Refer to layout for specification)

GRASS COVERED FILTER TRENCH
(Refer to layout for specification)

FIN DRAIN — FIN DRAIN TO JUNCTION INTO EXISTING DRAINAGE

STORM DIFFUSER UNIT

LEGEND - DRAINAGE

PROPOSED DRAINAGE - FOUL

100Ø@1:100 — FOUL WATER DRAIN - **PVCu**
Approx. gradient and diameter as noted, 100mm Ø UNO

DC — DRAINAGE CHANNEL
(Refer to layout for specification)

INSET 1:250

EXFW-IC (TANK)
CL: 38.580
TAKEN FROM CAMPUS PROPOSED DRAINAGE

SW-03 B125 CVR CL: 38.600 IL: 37.300
SW-04 D400 CVR CL: 38.580 IL: 37.250
SW-05 D400 CVR CL: 38.600 IL: 37.185
SW-05A D400 CVR CL: 38.640 IL: 37.075
SW-06 B125 CVR CL38.680 IL:36.735 TAKEN FROM CAMPUS PROPOSED DRAINAGE

150Ø@1:185 150Ø@1:164 150Ø@1:151 150Ø@1:103 150Ø@1:88

(39.02) FLOW CONTROL INSTALLED BY OFFSITE CONTRACTOR. DEVICE TO BE CHECKED AND CONFIRMED SUITABLE FOR ONSITE WORKS

FLOW CONTROL MANHOLE - FC-01
HYDRO-BRAKE FLOW CONTROL. DISCHARGE LIMITED TO **1.0 l/s**
CL: 38.670
IL: 37.400

INDICATES EXISTING SURFACE TO BE CORED AND RE-SURFACED IN THE NEW WORKS

INDICATES EXISTING DRAINAGE TO BUILDING TO BE RETAINED IN THE NEW WORKS

LEVELS OF EXISTING NETWORK TAKEN FROM SOLUM SURVEYING CCTV SURVEY 28/09/2020

EX-07 CL: 39.010 IL: 38.470

LINK DRAINAGE INSTALLED BY OFFSITE CONTRACTOR. CONNECTIVITY TO BE CONFIRMED PRIOR TO COMMENCEMENT OF DRAINAGE WORKS

EXSW CL: 38.870 IL: 36.590

CIRCUMFERENTIAL FRACTURE FROM 01 TO 05 O'CLOCK
CIRCUMFERENTIAL CRACK AT JOINT FROM 12 TO 03 O'CLOCK
JOINT DISPLACED. LARGE
JOINT DISPLACED. MEDIUM

Existing Bowling Green

Dropped Kerb with blister paving (Buff) 1200 x 800

PV's

Widen PROW to 1800mm. New Mesh Fence, 2200 High with 3000 ball netting Above to Cricket boundary only.

FIN DRAIN

EXISTING CAR PARK ATTENUATION SUB-BASE
DRAINED AREA: 1581m²
ATTENUATION SYSTEM TO PROVIDE
135m³ STORAGE IN 30% VOID GRANULAR SUB-BASE. SYSTEM DESIGNED FOR ALL STORMS UP TO TO AND INCLUDING 100YR + 40% CLIMATE CHANGE
CL: 39.000 (EXISTING LOWEST POINT)
BASE OF SUB BASE: 38.510
TOTAL DEPTH: 490mm (MIN)
DEPTH OF SUB BASE REQUIRED FOR SW STORAGE: 310mm
DEPTH OF SUB BASE REQUIRED FOR VEHICLE LOADING: 400mm

INDICATES STORM DIFFUSER UNIT INTO CAR PARK SUB BASE.

INDICATES EXTENT OF PROPOSED PERMEABLE SUB BASE

INDICATES RWP REFERENCE NUMBER FROM DRAWING 10106L(08)001L

REFER TO ARCHITECT'S LAYOUT FOR LOCATIONS OF DOORWAYS AND THRESHOLD DRAINAGE

THRESHOLD DRAINAGE ONLY REQUIRED IN AREAS OF LEVEL ACCESS. LOCATIONS TBC.

INDICATES ADDITIONAL PERMEABLE SUB BASE. REFER TO DRAWING 7200 & 7300 FOR THE REQUIRED BUILD UP.

INDICATES EXISTING EXTENT OF PERMEABLE SUB BASE

INDICATES NEW ACCESS TO BE LAID POROUS AND DRAIN TO GROUND/SOFT

PROPOSED FOOTPATHS TO DRAIN TO GROUND/SOFT

INDICATES GRASS COVERED FILTER TRENCH

Potential Hard Play Area (Porous Tarmac)

Existing Pond

SW-04 B125 CVR CL: 39.000 IL: 37.620 (CATCHPIT CHAMBER, BASE 300mm BELOW IL)
SW-04a B125 CVR CL: 38.965 IL: 37.710
SW-03 D400 CVR CL: 39.000 IL: 37.630
SW-01 B125 CVR CL: 39.000 IL: 38.000
SW-02 D400 CVR CL: 39.000 IL: 37.770
FW-04 B125 CVR CL: 39.000 IL: 38.300
FW-03 B125 CVR CL: 39.000 IL: 38.150
SW-01a B125 CVR CL: 38.810 IL: 38.080
EX-01 B125 CVR CL: 38.990 IL: 38.290
EX-02 B125 CVR CL: 38.990 IL: 38.183
EX-03 CL: TBC IL: TBC
EX-04 CL: 38.780 IL: 38.130
EX-05 CL: 38.800 IL: 37.770
EX-06 CL: 38.990 IL: 38.590
EX-07 CL: 39.010 IL: 38.470
EX-08 CL: 38.980 IL:38.280
EX-09 CL: 38.790 IL: 38.060
EX-10 CL: 39.000 IL: 38.380
FWIC-06 CL: 38.700 IL: 38.420

FFL: 39.330 (APPROX EXTG.)
INTERNAL LAYOUT SHOWN INDICATIVELY, REFER TO ARCHITECT'S DRAWINGS.
FFL: 38.990 (APPROX.)

ACO M150PPD 0.0J B125 CVR
ACO M100PPD 0.0J B125 CVR

STEPPED ACCESS

Corduroy pavers (Buff) 800 depth full width of footpath

Tactile paving between path and vehicle parking

Courtyard Entrance

Secure Cycle Store (covered) Access Courtyard

Cycle Parking (uncovered)

Entrance Only

One Way

SEE INSET FOR CONTINUATION

KEY PLAN

NOTES
1. All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figured dimensions only are to be taken from this drawing.
2. The DWG file is issued for the purposes of coordination only and do not represent formal drawing issue and are not to be reprinted in any form. Formal issue of drawings is via DWF, Adobe PDF files and/or hard copies and their associated information issue sheets.
3. Note that all care has been taken with the export of DWG files and their content, but we recommend that you make due dimensional checks before using any DWG file information. Any errors found are to be reported to Hydrock immediately.
4. Levels shown in metres above Ordnance Datum (mAOD).
5. All private drainage to comply with current Building Regulations, BS EN-752 Drain and Sewer systems outside Buildings and other relevant British Standards and Codes of Practices.
6. All external drainage within trafficked areas with less than 1.2m cover to have type Z concrete bed and surround. All external drainage within landscaped areas with cover less than 0.6m to have type Z concrete bed and surround. All drainage with greater cover than the minimum required to have type S bed and surround.
7. All drainage to be laid soffit to soffit unless otherwise shown.
8. The Contractor is to verify the line, level and diameter of existing sewers before commencing drainage works.
9. All foul drainage to be minimum 100mm diameter, all surface water drainage to be minimum 150mm diameter unless otherwise shown.
10. Cover levels shown on this drawing refer to approximate surface levels. It is the contractors responsibility to ensure that access covers and frames are set at the final surface levels.
11. Where possible the contractor is to orientate manhole biscuits and covers to locate them parallel to kerbs and paving.
12. The Contractor should comply with hs(g) 47 "Avoiding Danger from Underground Services" when excavating around existing services.
13. It is the contractors responsibility to determine the location and depth of all existing services, mains and cables prior to construction.
14. Contractor to provide temporary screens in each of the down stream manholes during the construction period of the development in accordance with SFA 2.9.10 and the local sewerage undertakers requirements.
15. All in-situ concrete and precast concrete components to be manufactured using Sulphate Resisting Portland Cement, (SRPC) to BS 4027, if required, subject to soil conditions. Manhole components to be to BS EN 1917:2002.
16. All ironwork to be kite marked by BSI or certified by equal inspection authority.
17. All redundant connections to be capped off and grouted from the down stream manhole.
18. All new drainage pipes to be jetted, CCTV surveyed with DVD recording and any defects highlighted to the supervising officer. Following the rectification of any defects, the drain is to be re-surveyed with CCTV and the recordings made available to the project manager/engineer.
19. Prior to commencing the works the contractor is to confirm details of the existing drainage system as noted on the drawing.
20. Prior to commencing the works the contractor is to undertake the drainage investigation work as noted on the drawing.

REV	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
C13	B.MURPHY	07/12/23	J.MAGEE	07/12/23	J.MAGEE	07/12/23
	SCALE BAR ADDED.					
C12	B.MURPHY	22/11/23	J.MAGEE	22/11/23	J.MAGEE	22/11/23
	EXTENT OF PLAY AREA ATTENUATION UPDATED.					
C11	B.MURPHY	15/09/23	J.MAGEE	15/09/23	J.MAGEE	15/09/23
	SENSORY GARDEN DRAINAGE ADDED. ISSUED FOR CONSTRUCTION.					
C10	B.MURPHY	07/09/23	J.MAGEE	07/09/23	J.MAGEE	07/09/23
	REVISED TO SUIT DESIGN SCOPE CHANGES.					
C09	O.LAINCHBURY	16/05/23	B.MURPHY	16/05/23	J.MAGEE	16/05/23
	ACO IN FRONT OF HOUSE ADJUSTED					
C08	O.LAINCHBURY	17/03/23	B.MURPHY	17/03/23	J.MAGEE	17/03/23
	FOUL GULLY IN BIN STORE ADDED, DRAIN INFRONT OF MAIN HOUSE ADDED WITH OTHER THRESHOLD DRAINAGE. RWDs ADDED TO SUIT LATEST RAIN WATER STRATEGY. PLAN UPDATED.					
C07	O.LAINCHBURY	23/01/23	B.MURPHY	23/01/23	J.MAGEE	23/01/23
	STORM WATER DRAINAGE FROM RWDs WITHIN HALLS RERCOUTED. SW-03 & 04 RELOCATED, SW-04a ADDED. GRAVEL FILTER DRAINS REMOVED. YARD GULLY AND CHANNEL ADDED.					
C06	O.LAINCHBURY	28/11/12	B.MURPHY	28/11/12	J.MAGEE	28/11/12
	GRAVEL FILTER DRAINS ADDED TO ADDRESS SLOPES TOWARDS THE BUILDING. YARD GULLY RELOCATED. SLOPES UPDATED					

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CLIENT
WILTSHIRE COUNCIL

PROJECT
MELKSHAM HOUSE

TITLE
DRAINAGE LAYOUT

HYDROCK PROJECT NO.
C-18665-C

SCALE @ A1
1:200

STATUS DESCRIPTION
SUITABLE FOR CONSTRUCTION

STATUS
A5

DRAWING NO. (PROJECT CODE-ORGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)
18665-HYD-00-ZZ-DR-C-7010

REVISION
C13