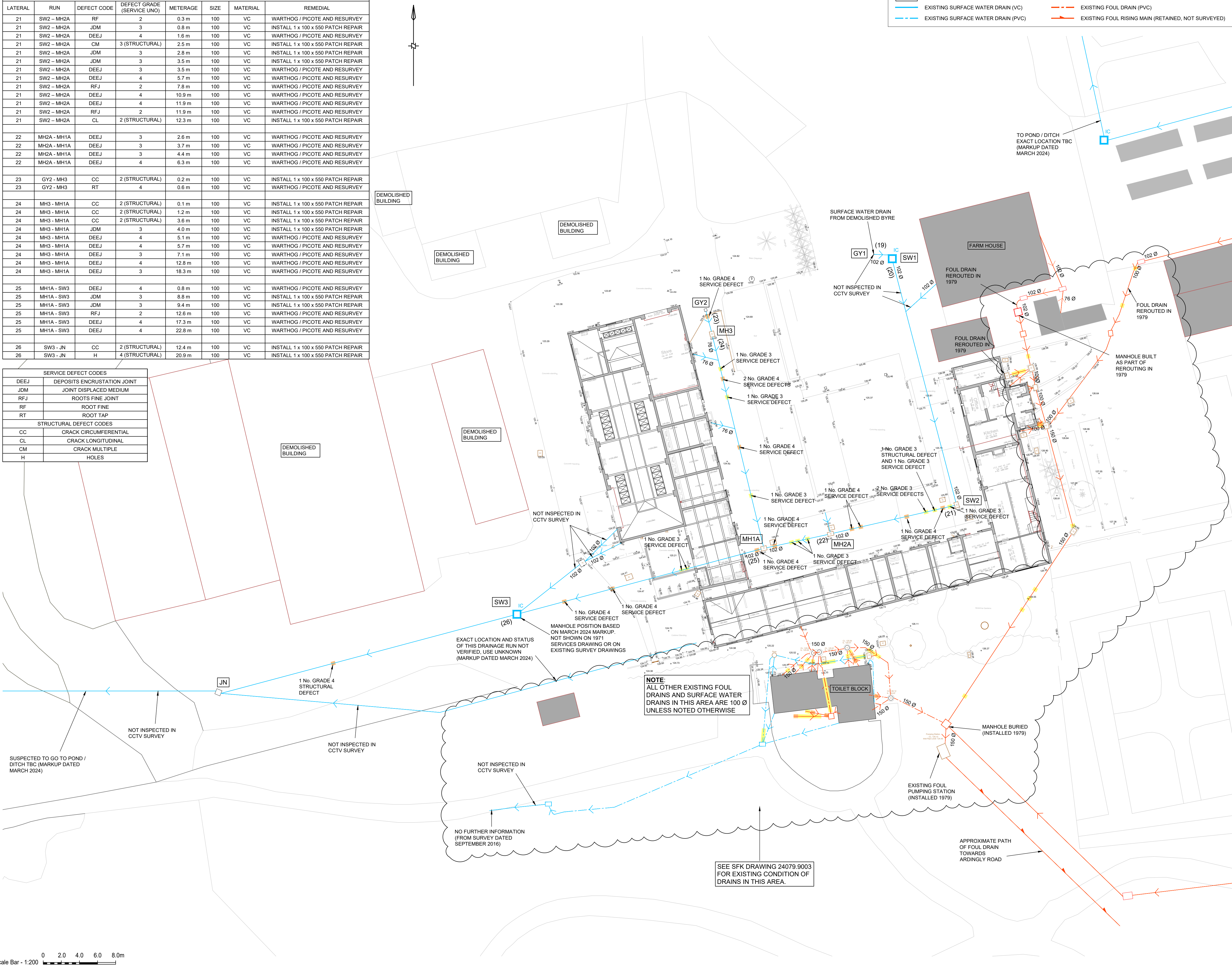


HAVELOCK FARM EXISTING DRAINAGE (SURFACE WATER) REMEDIAL LIST							
LATERAL	RUN	DEFECT CODE	DEFECT GRADE (SERVICE UNO)	METERAGE	SIZE	MATERIAL	REMEDIAL
21	SW2 - MH2A	RF	2	0.3 m	100	VC	WARTHOG / PICOTE AND RESURVEY
21	SW2 - MH2A	JDM	3	0.8 m	100	VC	INSTALL 1 x 100 x 550 PATCH REPAIR
21	SW2 - MH2A	DEEJ	4	1.6 m	100	VC	WARTHOG / PICOTE AND RESURVEY
21	SW2 - MH2A	CM	3 (STRUCTURAL)	2.5 m	100	VC	INSTALL 1 x 100 x 550 PATCH REPAIR
21	SW2 - MH2A	JDM	3	2.8 m	100	VC	INSTALL 1 x 100 x 550 PATCH REPAIR
21	SW2 - MH2A	JDM	3	3.5 m	100	VC	INSTALL 1 x 100 x 550 PATCH REPAIR
21	SW2 - MH2A	DEEJ	3	3.5 m	100	VC	WARTHOG / PICOTE AND RESURVEY
21	SW2 - MH2A	DEEJ	4	5.7 m	100	VC	WARTHOG / PICOTE AND RESURVEY
21	SW2 - MH2A	RFJ	2	7.8 m	100	VC	WARTHOG / PICOTE AND RESURVEY
21	SW2 - MH2A	DEEJ	4	10.9 m	100	VC	WARTHOG / PICOTE AND RESURVEY
21	SW2 - MH2A	DEEJ	4	11.9 m	100	VC	WARTHOG / PICOTE AND RESURVEY
21	SW2 - MH2A	RFJ	2	11.9 m	100	VC	WARTHOG / PICOTE AND RESURVEY
21	SW2 - MH2A	CL	2 (STRUCTURAL)	12.3 m	100	VC	INSTALL 1 x 100 x 550 PATCH REPAIR
22	MH2A - MH1A	DEEJ	3	2.6 m	100	VC	WARTHOG / PICOTE AND RESURVEY
22	MH2A - MH1A	DEEJ	3	3.7 m	100	VC	WARTHOG / PICOTE AND RESURVEY
22	MH2A - MH1A	DEEJ	3	4.4 m	100	VC	WARTHOG / PICOTE AND RESURVEY
22	MH2A - MH1A	DEEJ	4	6.3 m	100	VC	WARTHOG / PICOTE AND RESURVEY
23	GY2 - MH3	CC	2 (STRUCTURAL)	0.2 m	100	VC	INSTALL 1 x 100 x 550 PATCH REPAIR
23	GY2 - MH3	RT	4	0.6 m	100	VC	WARTHOG / PICOTE AND RESURVEY
24	MH3 - MH1A	CC	2 (STRUCTURAL)	0.1 m	100	VC	INSTALL 1 x 100 x 550 PATCH REPAIR
24	MH3 - MH1A	CC	2 (STRUCTURAL)	1.2 m	100	VC	INSTALL 1 x 100 x 550 PATCH REPAIR
24	MH3 - MH1A	CC	2 (STRUCTURAL)	3.6 m	100	VC	INSTALL 1 x 100 x 550 PATCH REPAIR
24	MH3 - MH1A	JDM	3	4.0 m	100	VC	INSTALL 1 x 100 x 550 PATCH REPAIR
24	MH3 - MH1A	DEEJ	4	5.1 m	100	VC	WARTHOG / PICOTE AND RESURVEY
24	MH3 - MH1A	DEEJ	4	5.7 m	100	VC	WARTHOG / PICOTE AND RESURVEY
24	MH3 - MH1A	DEEJ	3	7.1 m	100	VC	WARTHOG / PICOTE AND RESURVEY
24	MH3 - MH1A	DEEJ	4	12.8 m	100	VC	WARTHOG / PICOTE AND RESURVEY
24	MH3 - MH1A	DEEJ	3	18.3 m	100	VC	WARTHOG / PICOTE AND RESURVEY
25	MH1A - SW3	DEEJ	4	0.8 m	100	VC	WARTHOG / PICOTE AND RESURVEY
25	MH1A - SW3	JDM	3	8.8 m	100	VC	INSTALL 1 x 100 x 550 PATCH REPAIR
25	MH1A - SW3	JDM	3	9.4 m	100	VC	INSTALL 1 x 100 x 550 PATCH REPAIR
25	MH1A - SW3	RFJ	2	12.6 m	100	VC	WARTHOG / PICOTE AND RESURVEY
25	MH1A - SW3	DEEJ	4	17.3 m	100	VC	WARTHOG / PICOTE AND RESURVEY
25	MH1A - SW3	DEEJ	4	22.8 m	100	VC	WARTHOG / PICOTE AND RESURVEY
26	SW3 - JN	CC	2 (STRUCTURAL)	12.4 m	100	VC	INSTALL 1 x 100 x 550 PATCH REPAIR
26	SW3 - JN	H	4 (STRUCTURAL)	20.9 m	100	VC	INSTALL 1 x 100 x 550 PATCH REPAIR

SERVICE DEFECT CODES	
DEEJ	DEPOSITS ENCRUSTATION JOINT
JDM	JOINT DISPLACED MEDIUM
RFJ	ROOTS FINE JOINT
RF	ROOT FINE
RT	ROOT TAP
STRUCTURAL DEFECT CODES	
CC	CRACK CIRCUMFERENTIAL
CL	CRACK LONGITUDINAL
CM	CRACK MULTIPLE
H	HOLES



KEY	(26)	HAPPY DRAINS DRAIN REFERENCE NUMBER	EXISTING FOUL DRAIN (VC)
MH1A		HAPPY DRAINS NODE REFERENCE NUMBER	EXISTING FOUL DRAIN (PVC)
		EXISTING SURFACE WATER DRAIN (VC)	EXISTING FOUL RISING MAIN (RETAINED, NOT SURVEYED)
		EXISTING SURFACE WATER DRAIN (PVC)	

NOTES

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND M&E DRAWINGS TOGETHER WITH THE SPECIFICATION.

ALL DIMENSIONS AND LEVELS TO BE CONFIRMED ON SITE. POSITIONS OF ALL MANHOLES AND INSPECTION CHAMBERS TO BE CONFIRMED ON SITE.

DRAINAGE OBSERVATIONS BASED ON CCTV SURVEY BY HAPPY DRAINS DATED FEBRUARY 2024 (REF: C1010599/001).

CLASSIFICATION OF DEFECTS IS BASED ON WRc SRM GUIDE:

- GRADE 5 STRUCTURAL DEFECT - BEST PRACTICE SUGGESTS THAT THIS PIPE IS AT RISK OF COLLAPSE AT ANY TIME. URGENT CONSIDERATION SHOULD BE GIVEN TO REPAIRS TO AVOID TOTAL FAILURE
- GRADE 5 SERVICE DEFECT - BEST PRACTICE SUGGESTS THAT THIS PIPE IS AT HIGH RISK OF BACKING UP OR CAUSING FLOODING
- GRADE 4 STRUCTURAL DEFECT - BEST PRACTICE SUGGESTS CONSIDERATION SHOULD BE GIVEN TO REPAIRS TO AVOID A POTENTIAL COLLAPSE (1 - 3 YEARS)
- GRADE 4 SERVICE DEFECT - BEST PRACTICE SUGGESTS CONSIDERATION SHOULD BE GIVEN TO MAINTENANCE ACTIVITY TO AVOID POTENTIAL BLOCKAGES (1 - 3 YEARS)
- GRADE 3 STRUCTURAL DEFECT - BEST PRACTICE SUGGESTS CONSIDERATION SHOULD BE GIVEN TO REPAIRS IN THE MEDIUM TERM (3 - 5 YEARS)
- GRADE 3 SERVICE DEFECT - BEST PRACTICE SUGGESTS CONSIDERATION SHOULD BE GIVEN TO MAINTENANCE ACTIVITIES IN THE MEDIUM TERM (3 - 5 YEARS)

STRUCTURAL DEFECTS: THESE CODES DESCRIBE PHYSICAL DEFECTS IN THE WALL OF THE PIPE.

SERVICE CONDITION: THESE CODES HIGHLIGHT THE PERFORMANCE OF THE PIPE AND ARE USUALLY PARAMETRISED ACCORDING TO A "LOSS OF CROSS-SECTIONAL AREA"

SEVERAL DRAINAGE PIPES SUFFER FROM SETTLED DEPOSITS THEREFORE HIGH PRESSURE JETTING IS RECOMMENDED FOLLOWING RECOMMENDED REPAIRS.

FOR SCOPE OF RECOMMENDED REPAIRS REFER TO HAVELOCK FARM EXISTING DRAINAGE (SURFACE WATER) REMEDIAL LIST BY SFK CONSULTING.

THERE ARE SEPARATE SURFACE AND FOUL WATER PIPED NETWORKS. THE SURFACE WATER NETWORK IS SHOWN TO DISCHARGE INTO THE ON-SITE POND. HOWEVER, THIS HAS NOT BEEN VERIFIED (NOT SURVEYED).

SEE SFK DRAWING 24079.9003 FOR THE EXISTING CONDITION CCTV SURVEY AROUND THE TOILET BLOCK AND THE CORRESPONDING REMEDIAL LIST BY SOLUM SURVEYING LTD.

T1	ML	SDD	09/09/25	RIBA STAGE 4 ISSUE. ISSUED FOR TENDER
rev	drawn	chkd	appd	date
				description
HAVELOCK FARM, WAKEHURST				
ARCHITECT: Martin Ashley Architects 745, Regal House, 70 London Road, Twickenham, London TW1 3QS Tel: 020 8948 7788				
DRAWING TITLE: EXISTING DRAINAGE CONDITION SURVEY (FEBRUARY 2024) AND PROPOSED REPAIRS				
SFKconsulting 2nd floor, Trinity House 123 Winchester Road Chandler's Ford Eastleigh SO53 2DR Tel: 023 8251 6962				
SCALE: 1:200 @ A1		SFK REF: 24079 - C - 9002		
24079-SFK-09-ZZ-DR-C-9002				T1