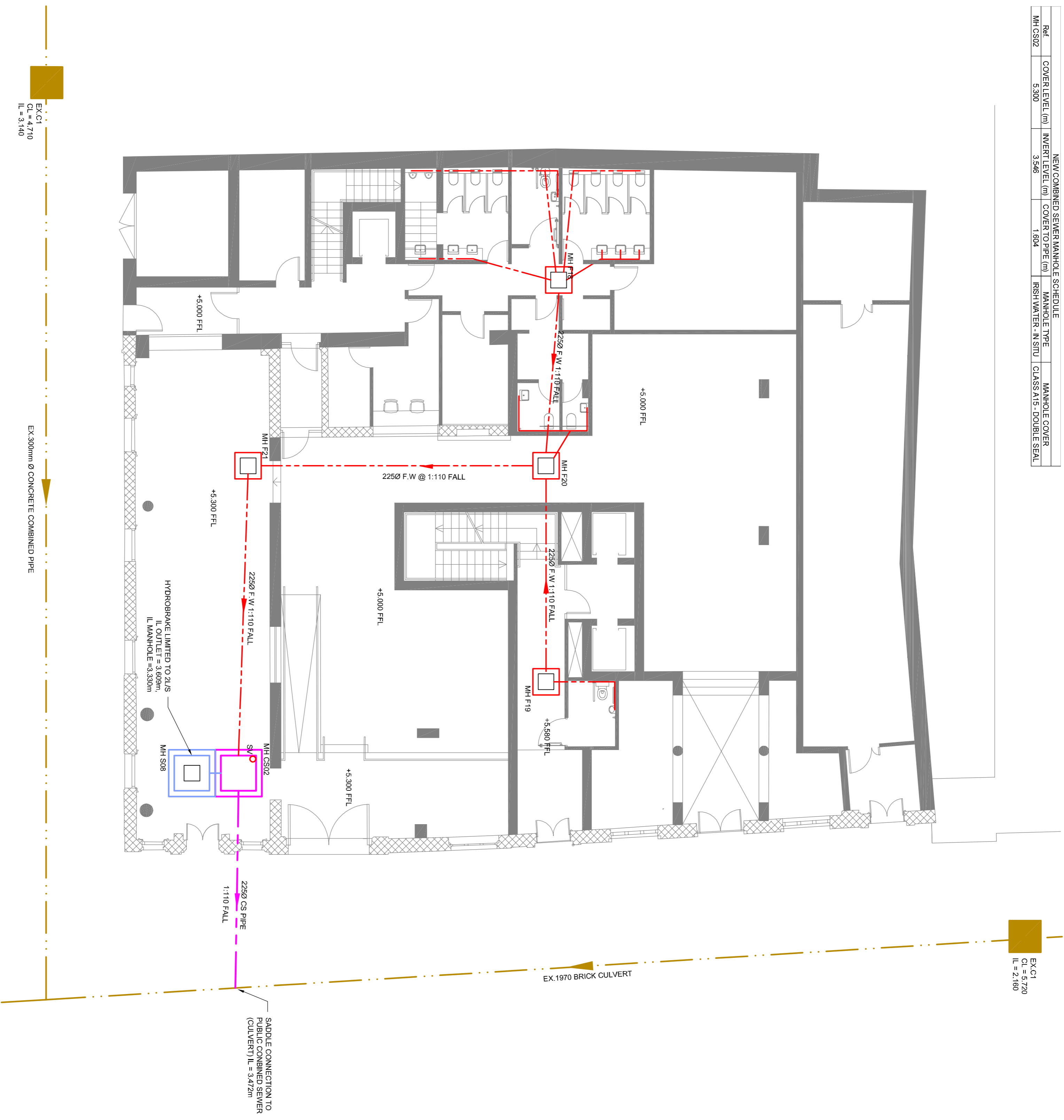


NEWFOUL WATER MANHOLE SCHEDULE					
MH#	COVER LEVEL (m)	INVERT LEVEL (m)	COVER TO PIPE (m)	PIPE TYPE	MANHOLE COVER
MH F18	5.000	4.500	0.275	FRESH WATER - NS/NU	CLASS A15 - DOUBLE SEAL
MH F19	5.000	4.418	1.016	FRESH WATER - NS/NU	CLASS A15 - DOUBLE SEAL
MH F20	5.000	4.418	0.292	FRESH WATER - NS/NU	CLASS A15 - DOUBLE SEAL
MH F21	5.300	4.314	0.781	FRESH WATER - NS/NU	CLASS A15 - DOUBLE SEAL

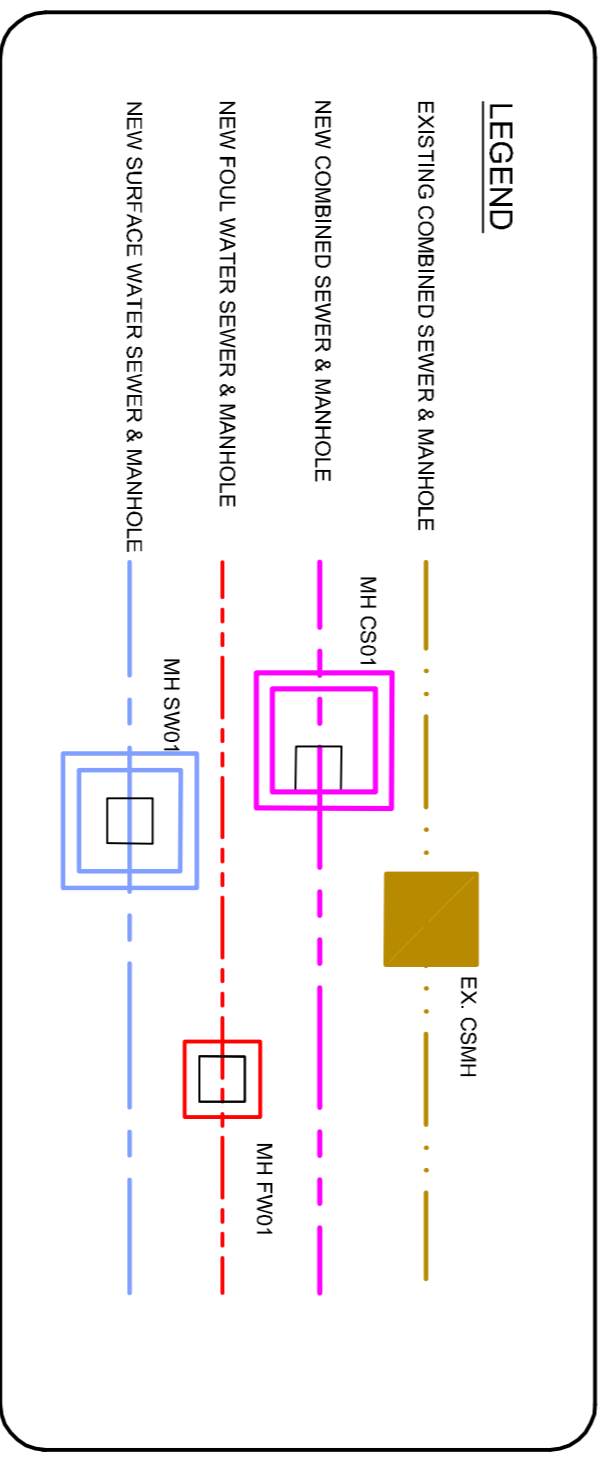
NEW SURFACE WATER MANHOLE SCHEDULE					
MH#	COVER LEVEL (m)	INVERT LEVEL (m)	COVER TO PIPE (m)	PIPE TYPE	MANHOLE COVER
MH S08	3.300	3.800	1.475	GRN TYPE H	CLASS A15 - DOUBLE SEAL

NEW COMBINED SEWER MANHOLE SCHEDULE					
MH#	COVER LEVEL (m)	INVERT LEVEL (m)	COVER TO PIPE (m)	PIPE TYPE	MANHOLE COVER
MH CS02	5.300	5.300	1.500	FRESH WATER - NS/NU	CLASS A15 - DOUBLE SEAL



BLOCK D
GROUND FLOOR - DRAINAGE PLAN
SCALE: 1:100

STORMWATER ATTENUATION:
SURFACE WATER FROM ROOF HARDESTAND AREAS TO BE ATTENUATED TO 2 L/S VIA 8 NO. OUTLETS IN A BLUE ROOF ATTENUATION SYSTEM.
ROOF AREA TO ATTENUATE = 788.0 m²
BLUE ROOF AREA = 666.7 m²
ALL BLUE ROOF AND ATTENUATION TANK STORM WATER DESIGNED FOR THE 100 YEAR STORM RETURN EVENT WITH 20% INCREASE IN ATTENUATION VOLUME FOR CLIMATE CHANGE
MAX ATTENUATE VOLUME REQUIRED (BLUE ROOF) = 233 m³
TOTAL STORAGE VOLUME PROVIDED BY BLUE ROOF (100mm WATER) = 788.0 m³ (100mm x 788.0 m²)
EXCESS STORAGE VOLUME PROVIDED BY BLUE ROOF (100mm WATER) = 555.0 m³ (100mm x 555.0 m²)
NO. 19143 CSIS FOR BLUE ROOF ATTENUATION VOLUMES REQUIRED AND PROVIDED FOR THE DIFFERENT ROOF LEVELS.



GENERAL NOTES:
DRAWING 19144.001, 19144.002, 19144.003 & 19144.004 TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DETAIL DRAWINGS AND SPECIFICATIONS.
DO NOT SCALE DIMENSIONS. REFER TO ARCHITECT'S DRAWINGS FOR ALL SETTING OUT DIMENSIONS. WORK TO FIGURED DIMENSIONS ONLY.
THE ENGINEER IS TO BE AFFORDED SUFFICIENT TIME TO CARRY OUT INSPECTIONS OF THE WORKS IN ACCORDANCE WITH THE PROJECT INSPECTION PLAN AND INSPECTION NOTIFICATION FRAMEWORK.
ALL CONSTRUCTION PRODUCTS TO HAVE RELEVANT CE MARKING WHERE APPLICABLE.
ALL CONTRACTORS OR SUB-CONTRACTORS RESPONSIBLE FOR SPECIALIST DESIGN MUST PROVIDE PROFESSIONAL INDEMNITY INSURANCES, ANCLILARY CERTIFICATES FOR DESIGN AND ANCLILARY CERTIFICATES FOR INSPECTION IN ACCORDANCE WITH BCAR 2014.

DRAINAGE
ALL DRAINAGE WORK TO BE CARRIED OUT IN ACCORDANCE WITH BS EN 752:2008 AND BS EN 12056:2012. ALL DRAINAGE WORKS TO BE IN ACCORDANCE WITH BS EN 12056:2012 AND STANDARD DETAILS.
MIN. 150mm (120mm CONCRETE BED & SURROUND) TO BE PROVIDED TO ALL SEWER PIPES UNDER FLOORS, VERGES AND FOOTWAYS.
BACKFILL FOR ALL UPVC PIPES TO BE FREE FROM STONE EXCEEDING 50mm FOR 300mm ABOVE GRANULAR SURROUND.
ALL REINSTATEMENT WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY.
ALL MANHOLES COVERS AND FRAME ARE TO BE CLASS A15, B125 & D407 TO BS EN 124 UNO.

Rev	Date	By	Description
P2	04/09/2020	FM	Issued for Final Planning
P1	09/03/2020	ROC	Issue For Planning
		Dm	CHK'D Description

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Job:	Development of Market Lands for The Fruitmarket Partnership	Job No:	19143	Proj. No.:	CO4
Scale:	@A1	Date:	March 2019	Drawn:	POC
Drawing:	Ground Floor - Drainage Plan	Rev.:	P2		