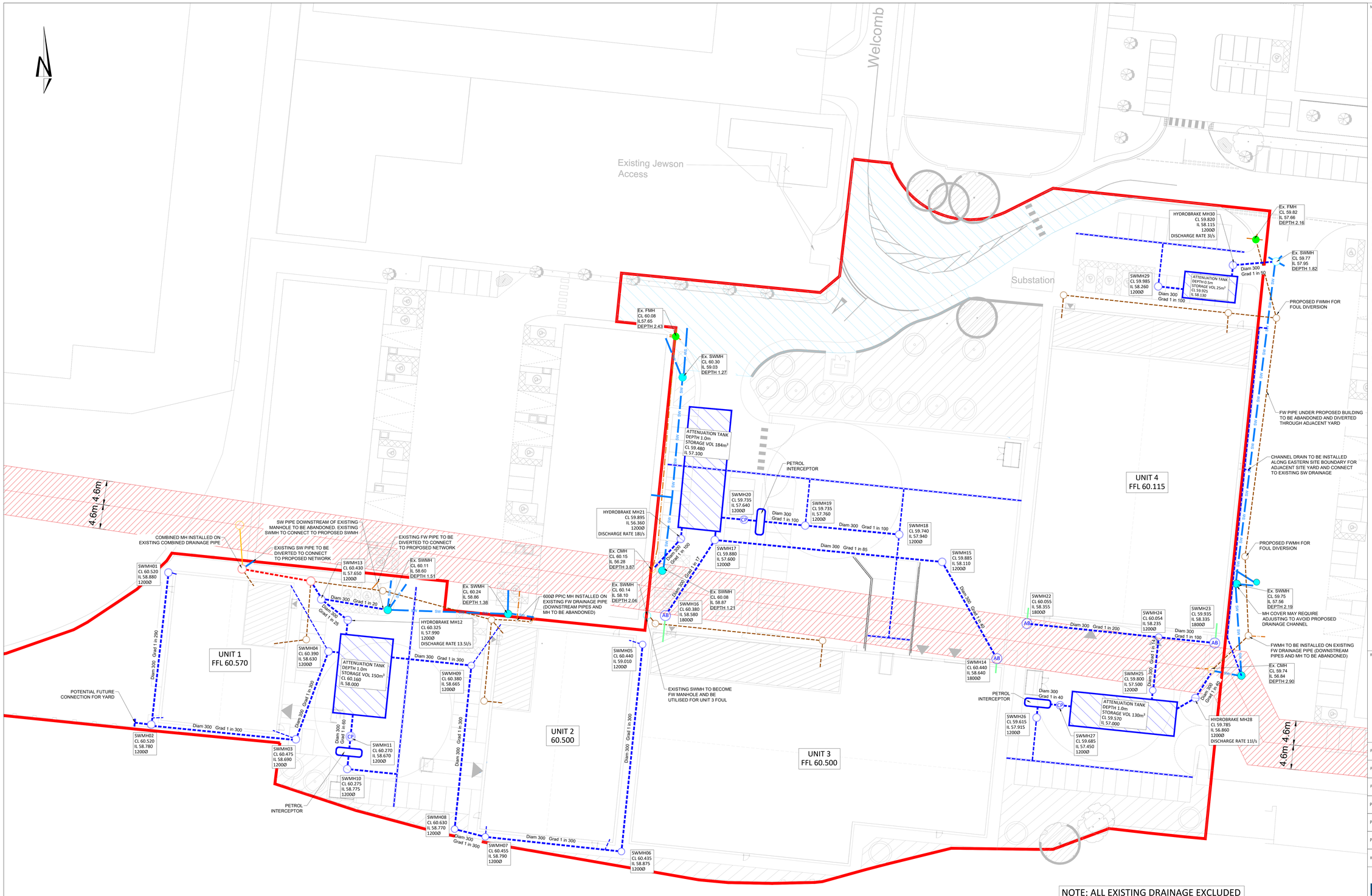

NOTES

1.This drawing is to be read in conjunction with all relevant drawings, specifications and documentation.

2.The position, size and levels of all drains are to be confirmed on site prior to the commencement of the works and any discrepancies reported immediately to the Engineer.

3. Do not scale from this drawing, work to dimensions or co-ordinates provided. All levels are in metres and all dimensions are in millimetres, unless otherwise noted.

4. The Contractor shall allow for the protection, temporary and permanent support and diversion works as necessary, to all existing services to the satisfaction of the public utilities.

5. The Contractor shall allow for dealing with surface water run-off into excavations and from groundwater by means of sumps, pumping and de-watering as appropriate, in order to keep the excavation as reasonably dry as possible during the construction of the works.

6. Finished floor levels are approximate only and may vary by +/- 300mm.

7. Any gradients of drains indicated are indicative only and the Contractor shall install the drains to the specified levels shown for each manhole (U.N.O). Catchpit invert levels are for the outgoing pipe with the sump level specified separately.

8. Co-ordinate setting out information for manholes is to the intersection the drains and not the centre of the manhole.

9. Cover levels of the manholes are provisional and subject to adjustment on site to suit the finished ground levels. All external works construction areas to be as located by the architect.

10. Positions and sizes of above ground foul and surface water drainage connections are to be confirmed prior to construction with the Architect and M&E Engineer.

11. Diameter of PCC manholes varies with pipe size, and is to be in accordance with the tables shown on the Hydrock Standard Details drawings at Construction stage.

12. Channels are to be sized by the supplier and approved by the Engineer in writing prior to ordering. Drainage channels to be installed to manufacturers' requirements. Design of channels shall be based on a 1 in 30 year storm return period, 15 minute duration.

13. All works are assumed to be within public highway or within land owners lands & no works are required on third party land owners property.

14. Design assumes that no water authority sewers or other drainage systems require modification, diversion or abandoning.

15. All works within the public highway to be reinstated to highway authority requirements.

16.No deep rooting trees/vegetation should be planted within 5.0m of any drainage works.

17. All WPC's, SRWP's and RWP's are shown indicatively. Locations shall be confirmed by others.

18. All manholes less than 1.5m deep are considered as none man entry and shall be maintained from ground level.

19. Rainwater downpipe locations in abeyance.

NOTE: ALL EXISTING DRAINAGE EXCLUDED FROM THE DRAINAGE LAYOUT IS TO BE ABANDONED - TBC DURING DETAILED DESIGN VIA SITE CLEARANCE DRAWINGS.

KEY

- EXISTING SW DRAINAGE PIPE TO BE RETAINED
- EXISTING SW MANHOLE TO BE RETAINED
- EXISTING SW MANHOLE TO BE UTILISED IN PROPOSED NETWORK
- EXISTING FW DRAINAGE PIPE TO BE RETAINED
- EXISTING FW MANHOLE TO BE RETAINED
- EXISTING COMBINED DRAINAGE PIPE TO BE UTILISED IN PROPOSED NETWORK
- EXISTING COMBINED MANHOLE TO BE UTILISED IN PROPOSED NETWORK
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED FOUL WATER DRAINAGE
- PROPOSED COMBINED DRAINAGE
- PROPOSED SYPHONIC DRAINAGE
- PROPOSED CHANNEL DRAIN
- PROPOSED CATCHPIT MANHOLE
- PROPOSED AIR BREAK MANHOLE
- PROPOSED PETROL INTERCEPTOR
- PROPOSED ATTENUATION TANK
- EXISTING SEWER AND EASEMENT
- RETAIN EXISTING DRAINAGE

0 10 20 30 40 50
SCALE IN METRES

REVISIONS

REV					
	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
P07	EASEMENT DIMENSION UNITS CHANGED FROM FEET TO METRES					
	S. JONES	18.07.24	C. FELL	18.07.24	V. CHECKLEY	18.07.24
P06	EASEMENT DIMENSION ADDED					
	S. JONES	15.07.24	C. FELL	15.07.24	V. CHECKLEY	15.07.24
P05	UPDATED TO SUIT LATEST ARCHITECTS LAYOUT					
	J.MANTLE	25.04.24	S.JONES	25.04.24	N.BYRNE	25.04.24
P04	REVISED TO SUIT LATEST ARCHITECTS LAYOUT					
	J. BOOTH	12.06.23	C. FELL	12.06.23	N. BYRNE	12.06.23
P03	FLOW RATES AMENDED TO SUIT UU CORRESPONDENCE					
	J. BOOTH	26.09.22	L. PILSBURY	26.09.22	R. HENSHALL	26.09.22
P02	MANHOLE SIZES ADDED					
	J. BOOTH	19.07.22	L. PILSBURY	19.07.22	R. HENSHALL	19.07.22

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CLIENT
NETWORK SPACE

PROJECT
WELCOMB STREET
MANCHESTER

TITLE
PROPOSED DRAINAGE LAYOUT

HYDROCK PROJECT NO.	SCALE @ A0
C-22975	1:500
PURPOSE OF ISSUE: INFORMATION ONLY	STATUS: S2
DRAWING NO.: C22975-HYD-XX-XX-DR-C-0501	REVISION: P07