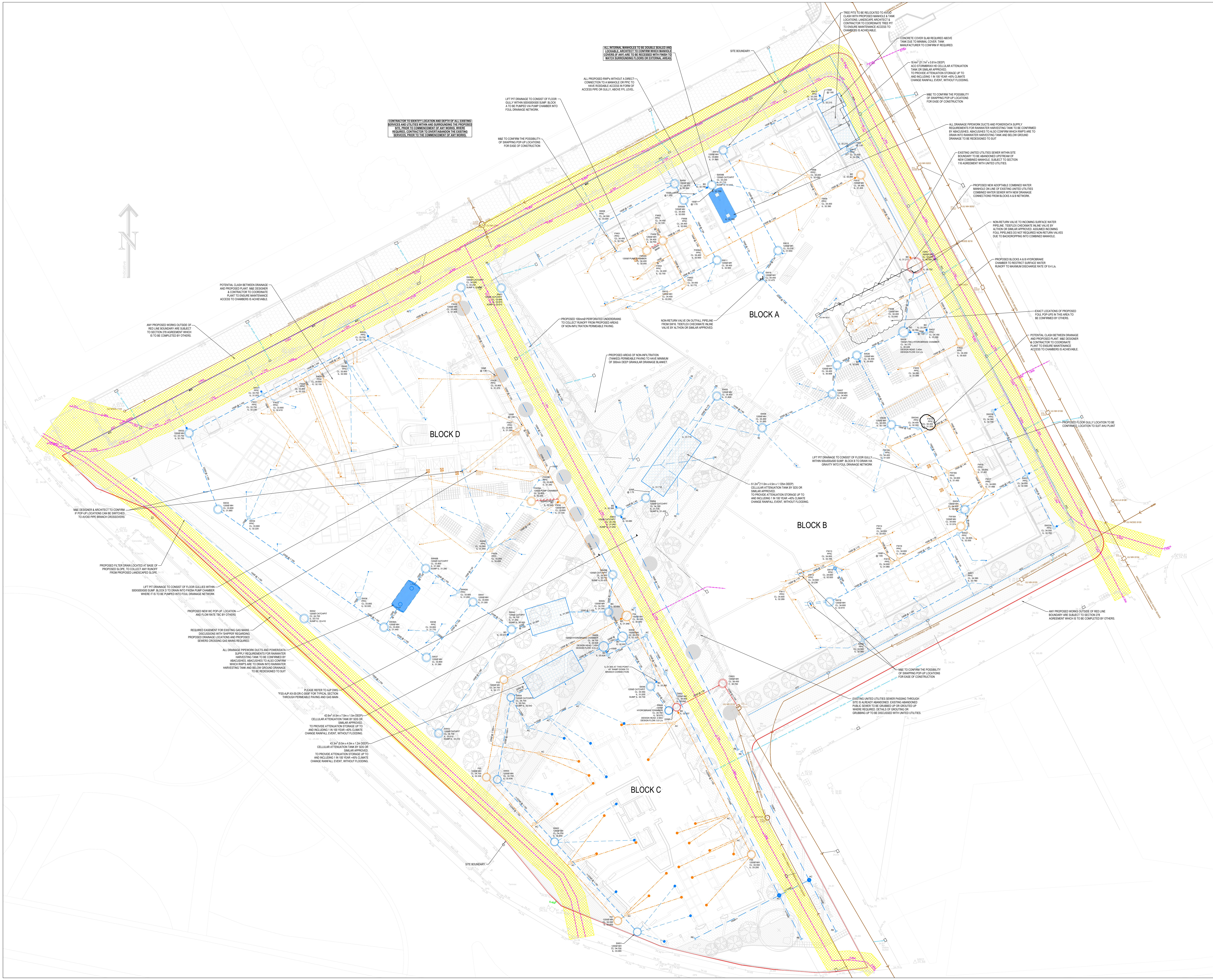

IMPORTANT NOTES

1. SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
2. ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION AND UNITED UTILITIES DETAILS & GUIDELINES.
3. THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150mm
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARDS TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC. PRIOR TO COMMENCING THE WORKS. THE RATES SHALL INCLUDE FOR HAND DIG AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE CDM REGULATIONS AT ALL TIMES
5. THE OUTSIDES OF ALL SEWERS SHALL BE A MINIMUM OF 1.0m FROM KERB LINES AND THE OUTSIDE OF MANHOLES SHALL BE A MINIMUM OF 0.5m FROM KERB LINES
6. EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES
7. ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES
8. ALL MATERIALS TO BEAR THE RELEVANT B.S. KITEMARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT (UNLESS THE SITE INVESTIGATION REPORT PROVES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITHSTAND A CLASS
9. ALL OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE INSPECTED BY L.A., NHBC OR THE NETWORK OPERATOR AS APPLICABLE.
10. WHERE "ULTRA RIB" UPVC PIPES (OR SIMILAR APPROVED) ARE USED IN ADOPTABLE DRAINAGE THEY SHALL STILL BE HANDLED AND LAID IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION.
11. A CLASS S BED AND SURROUND MUST BE USED FOR SUCH PIPES. TRENCH BACKFILL IN HIGHWAYS TO WITHIN 1M OF HIGHWAY SHALL, AS DIRECTED BY THE HIGHWAY AUTHORITY BE A SUITABLE GRANULAR MATERIAL ALL IN ACCORDANCE WITH SEWERS FOR ADOPTION CL. 4.3.4.
12. SLAB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE
13. ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE
14. ALL MANHOLE COVERS TO BE RECESSED TO ACCEPT FINISH AS DETAILED BY LANDSCAPE ARCHITECT
15. SLOW REST BENDS TO BE USED IN ALL LOCATIONS MADE UP FROM 2No. 45 DEG BENDS (600mm TO INVERT FROM FFL)
16. MANHOLE POSITIONS AND ACCESS COVERS TO BE ACCURATELY SET-OUT BY LANDSCAPE ARCHITECT TO SUIT EXTERNAL FINISHES
17. ALL DRAINS CAST THROUGH FOUNDATIONS TO HAVE ROCKER PIPES ON BOTH SIDES OF FOUNDATION
18. ALL POP UP POSITIONS TO BE CONFIRMED SET OUT DIMENSIONS TO BE AGREED & PROVIDED BY OTHERS
19. ALL DISCHARGE RATES TO BE CONFIRMED BY M&E DESIGNER
20. ALL SURFACE WATER COLLECTION FEATURES TO BE CONFIRMED BY THE LANDSCAPE ARCHITECT
21. STORAGE HAS BEEN PROVIDED IN A CELLULAR STORAGE TANK AND UP-SIZED MANHOLES AND PIPES.
22. EXISTING SEWER DEPTHS HAVE BEEN APPROXIMATED FROM LIMITED INFORMATION, NEW CONNECTIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION OF ANY DRAINAGE WORKS.
23. LANDSCAPE ARCHITECT TO CONFIRM GULLY AND DRAINAGE CHANNEL LOCATIONS TO LANDSCAPED AREAS.
24. FOUL NETWORK TO BE CONFIRMED FOLLOWING CONFIRMATION OF BRANCH CONNECTION POINTS FROM BUILDING M&E DESIGNER
25. CCTV SURVEY OF EXISTING SITE DRAINAGE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY WORKS STARTING ON SITE

LEGEND

- PROPOSED SURFACE WATER MANHOLE
- PROPOSED FOUL WATER MANHOLE
- PROPOSED COMBINED WATER MANHOLE
- PROPOSED SURFACE WATER PPIC
- PROPOSED FOUL WATER PPIC
- PROPOSED FOUL WATER DRAINAGE
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED COMBINED WATER DRAINAGE
- AREAS OF NON-INFILTRATION (TANKED) PERMEABLE PAVING
- RE — PROPOSED PERFORATED UNDERDRAIN FOR NON-INFILTRATION PERMEABLE PAVING WITH RODDING EYE
- ACO — PROPOSED ACO DRAIN
- G — PROPOSED GULLY
- EXISTING UNITED UTILITIES COMBINED WATER SEWER
- EXISTING UNITED UTILITIES COMBINED WATER SEWERS TO BE ABANDONED
- EXISTING UNITED UTILITIES COMBINED WATER SEWERS ALREADY ABANDONED
- REQUIRED EASEMENT FOR EXISTING GAS MAINS

REV	DATE	DESCRIPTION	BY	CHK	APP
C11	03.06.2024	ADDITIONAL ATTENUATION TANK ADDED TO SUIT REVISED SITE LEVELS	JRS	JRS	DJS
C10	09.04.2024	DRAINAGE UPDATED TO SUIT REVISED SITE LEVELS	JJR	JRS	DJS
C09	10.11.2023	BLOCK C UPDATED	JJR	DJS	DJS
C08	13.04.2023	UPDATED TO SUIT CADENT GAS MAIN CROSSING	JJR	JRS	DJS
C07	04.01.2023	UPDATED TO SUIT LATEST AS-BUILT INFO & SITE COMMENTS	JJR	JRS	DJS
C06	07.12.2022	UPDATED TO SUIT LATEST AS-BUILT INFO & SITE COMMENTS	JJR	JRS	DJS
C05	23.11.2022	UPDATED TO SUIT LATEST AS-BUILT INFO & SITE COMMENTS	JRS	JRS	DJS
C04	26.08.2022	UPDATED TO SUIT LATEST BLOCK A POP-UPS AROUND FW26 & BLOCK D TANK LAYOUT	JRS	JRS	DJS
C03	22.07.2022	UPDATED TO SUIT LATEST PLANT LOCATIONS AND COMMENTS	JJR	JRS	DJS
C02	30.06.2022	RAINWATER HARVESTING TANK CONNECTED AND MPB COMMENTS ADDRESSED	JJR	JRS	DJS
C01	21.06.2022	CONSTRUCTION ISSUE	JJR	JRS	DJS
P05	05.04.2022	UPDATED TO SUIT LATEST SITE LAYOUT	JJR	JRS	DJS
P04	04.02.2022	UPDATED TO SUIT LATEST FOUNDATION LAYOUT AND GAS EASEMENT	JJR	JRS	DJS
P03	05.06.2020	RIBA STAGE 3 ISSUE (DEVELOPED DESIGN)	JRS	DJS	DJS
P02	30.04.2020	RIBA STAGE 2 (CONCEPT DESIGN) - UPDATED TO SUIT UNITED UTILITIES REQUIREMENTS	JRS	DJS	DJS
P01	12.12.2019	RIBA STAGE 2 (CONCEPT DESIGN)	JRS	DJS	DJS

DRAWING STATUS: **CONSTRUCTION**

CLIENT: DOWNING

ARCHITECT: SIMPSON HAUGH & PARTNERS

PROJECT: FIRST STREET SOUTH MANCHESTER

TITLE: BELOW GROUND DRAINAGE DRAINAGE STRATEGY

STATUS:	PROJECT No.	PROJECT - ORIGINATOR - VOL/SYS - LEVEL - TYPE - ROLE - DRAWING No.	REV:
S2	219-215	FSS - AJP - XX - 00 - DR - C - 0001	C11

SCALE @ A0:	DESIGNED:	DRAWN:	CHECKED:	APPROVED:	DATE:
1:200	JRS	JRS	DJS	DJS	NOV 2019

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