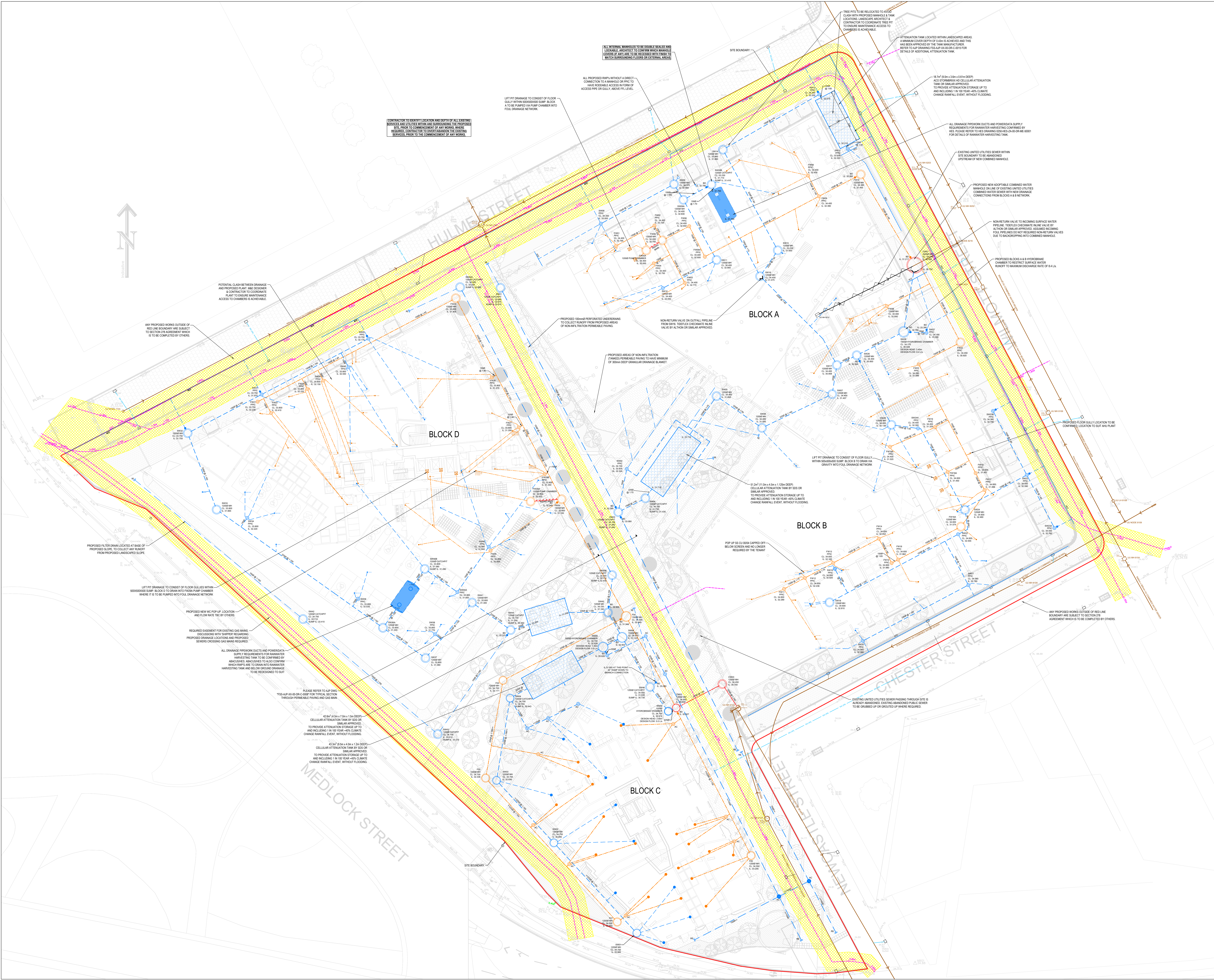




- IMPORTANT NOTES**
- SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
 - ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION AND UNITED UTILITIES DETAILS A DRAINAGE.
 - THE MINIMUM DRAINAGE PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150mm.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARD 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 AGREE TO THE CON REGULATIONS AT ALL TIMES.
 - THE OUTSIDE 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.
 - EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES.
 - ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES.
 - ALL MATERIALS TO BEAR THE RELEVANT S.I. 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).
 - 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.
 - WHERE A TIA RFP UPVC PIPES (OR SIMILAR APPROVED) ARE USED IN ADOPTABLE DRAINAGE THEY SHALL STILL BE HANDLED AND LAD IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION.
 - A CLASS 8 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.
 - SLAB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE.
 - ALL GULLY CONNECTIONS TO BE 100mm VITRIFIED CLAY UNLESS NOTED OTHERWISE.
 - ALL MANHOLE COVERS TO BE RECESSED TO ACCEPT FINISH AS DETAILED BY LANDSCAPE ARCHITECT.
 - SLOW REST BEDS TO BE USED IN ALL LOCATIONS MADE UP FROM 2m. 45 DEG BENDS (800mm TO INVERT FROM FFL).
 - MANHOLE POSITIONS AND ACCESS COVERS TO BE ACCURATELY SET OUT BY LANDSCAPE ARCHITECT TO SUIT EXTERNAL FINISHES.
 - ALL DRAINS CAST THROUGH FOUNDATIONS TO HAVE ROCKER PIPES ON BOTH SIDES OF FOUNDATION.
 - ALL POP UP POSITIONS TO BE CONFIRMED SET OUT DIMENSIONS TO BE AGREED & PROVIDED BY OTHERS.
 - ALL DISCHARGE RATES TO BE CONFIRMED BY M&E DESIGNER.
 - ALL SURFACE WATER COLLECTION FEATURES TO BE CONFIRMED BY THE LANDSCAPE ARCHITECT.
 - STORAGE HAS BEEN PROVIDED IN A CELLULAR STORAGE TANK AND UP-SIZED MANHOLES AND PIPES.
 - EXISTING SEWER DEPTHS HAVE BEEN APPROXIMATED FROM LIMITED INFORMATION. NEW CONNECTIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION OF ANY DRAINAGE WORKS.
 - LANDSCAPE ARCHITECT TO CONFIRM GULLY AND DRAINAGE CHANNEL LOCATIONS TO LANDSCAPED AREAS.
 - FOUL NETWORK TO BE CONFIRMED FOLLOWING CONFIRMATION OF BRANCH CONNECTION POINTS FROM BUILDING M&E DESIGNER.
 - 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 PPC
 - PROPOSED FOUL WATER PPC
 - PROPOSED SURFACE WATER DRAINAGE
 - PROPOSED SURFACE WATER DRAINAGE
 - PROPOSED COMBINED WATER DRAINAGE
 - AREAS OF NON-INFLTRATION (TANKED) PERMEABLE PAVING
 - PROPOSED PERFORATED UNDERDRAIN FOR NON-INFLTRATION PERMEABLE PAVING WITH ROOFING EYE
 - PROPOSED ADO DRAIN
 - 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

C14	03.03.2023	PROPOSED TRAP WASH ACCESS - ON SITE REVISIONS	JRS	JRS	DJS
C13	05.08.2024	COLLECTION FEATURES ADJUSTED TO SUIT LATEST EXTERNAL FALLS	JRS	JRS	DJS
C12	01.08.2024	FINAL ISSUE - CONSTRUCTION INTENT	JRS	JRS	DJS
C11	03.08.2024	ADDITIONAL ATTENUATION TANK ADDED TO SUIT REVISED SITE LEVELS	JRS	JRS	DJS
C10	09.04.2024	DRAINAGE UPDATED TO SUIT REVISED SITE LEVELS	JRS	JRS	DJS
C09	10.11.2023	BLOCK C UPDATED	JRS	DJS	DJS
C08	13.04.2023	UPDATED TO SUIT CHASST GAS MAIN CROSSINGS	JRS	JRS	DJS
C07	04.02.2023	UPDATED TO SUIT LATEST ASBUILT TWO SITE COMMENTS	JRS	JRS	DJS
C06	01.12.2022	UPDATED TO SUIT LATEST ASBUILT TWO SITE COMMENTS	JRS	JRS	DJS
C05	21.11.2022	UPDATED TO SUIT LATEST ASBUILT TWO SITE COMMENTS	JRS	JRS	DJS
C04	26.08.2022	UPDATED TO SUIT LATEST BLOCK A POP UP WORKING FROM BLOCK D TANK LAYOUT	JRS	JRS	DJS
C03	22.07.2022	UPDATED TO SUIT LATEST PLANT LOCATIONS AND COMMENTS	JRS	JRS	DJS
C02	30.06.2022	RAINWATER HARVESTING TANK CONNECTED AND M&P COMMENTS ADDRESSED	JRS	JRS	DJS
C01	21.06.2022	CONSTRUCTION ISSUE	JRS	JRS	DJS
P05	05.04.2022	UPDATED TO SUIT LATEST SITE LAYOUT	JRS	JRS	DJS
P04	04.02.2022	UPDATED TO SUIT LATEST FOUNDATION LAYOUT AND GAS EASEMENT	JRS	JRS	DJS
P03	05.08.2020	FINAL STAGE 3 ISSUE (DEVELOPED DESIGN)	JRS	DJS	DJS
P02	03.04.2020	FINAL STAGE 2 CONCEPT DESIGN - UPDATED TO SUIT UNITED UTILITIES REQUIREMENTS	JRS	DJS	DJS
P01	12.12.2019	FINAL STAGE 2 CONCEPT DESIGN	JRS	DJS	DJS
REV	DATE	DESCRIPTION	BY	CHK	APP

DRAWING STATUS:

CONSTRUCTION INTENT

CLIENT: DOWNING

ARCHITECT: SIMPSON HAUGH & PARTNERS

PROJECT: FIRST STREET SOUTH MANCHESTER

TITLE: BELOW GROUND DRAINAGE DRAINAGE STRATEGY

STATUS:	PROJECT No:	PROJECT:	ORIGINATOR:	VOLETS/LEVEL:	TYPE:	ROLE:	DRAWING No:	REV:
S2	219-215	FSS - AJP - XX - 00 - DR - C - 0001	C14					

SCALE: 1:200

DESIGNED: JRS

DRAWN: JRS

CHECKED: DJS

APPROVED: DJS

DATE: NOV 2019

AJP consulting engineers

0151 227 1462 | aeinfo@ajp.co.uk | 01 Dale Street, Liverpool, L2 2ET