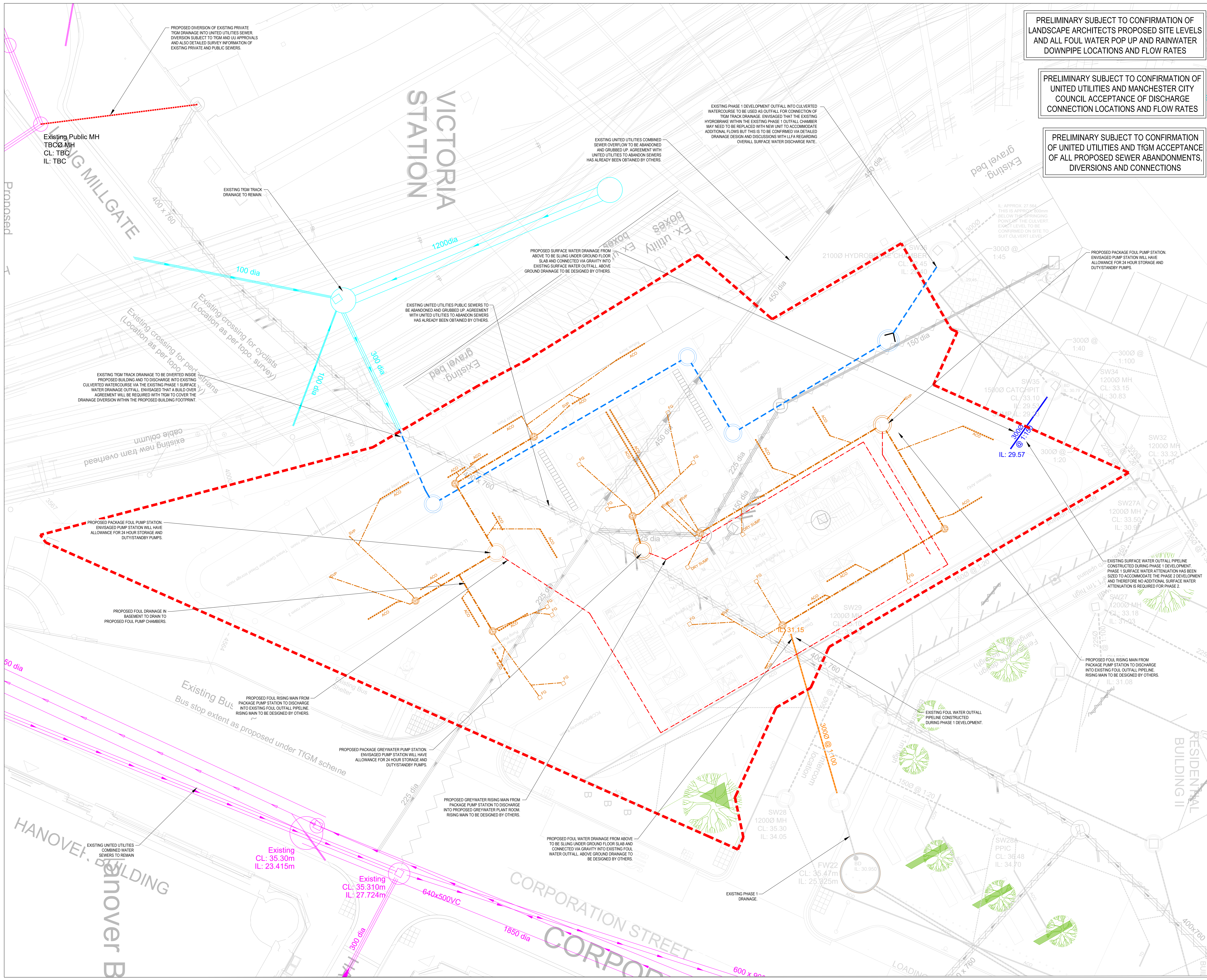




PRELIMINARY SUBJECT TO CONFIRMATION OF LANDSCAPE ARCHITECTS PROPOSED SITE LEVELS AND ALL FOUL WATER POP UP AND RAINWATER DOWNPIPE LOCATIONS AND FLOW RATES

PRELIMINARY SUBJECT TO CONFIRMATION OF UNITED UTILITIES AND MANCHESTER CITY COUNCIL ACCEPTANCE OF DISCHARGE CONNECTION LOCATIONS AND FLOW RATES

PRELIMINARY SUBJECT TO CONFIRMATION OF UNITED UTILITIES AND TIGM ACCEPTANCE OF ALL PROPOSED SEWER ABANDONMENTS, DIVERSIONS AND CONNECTIONS

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 TGM EDITION AND UNITED UTILITIES DETAILS & GUIDELINES.
- THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150mm.
- 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 NOTES SHALL INCLUDE FOR HANDING AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE 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 1.5m 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 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).
- ALL OPENING NOTICES AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE INSPECTED BY I.A. NMC OR THE NETWORK OPERATOR AS APPLICABLE.
- 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.
- 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 VARED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE.
- DOMESTIC DRAINAGE SHALL BE TO BUILDING REGULATIONS. APPROVED DOCUMENT H. 110mm UP V.C. PIPES LAID TO THE FOLLOWING MINIMUM FALLS UNLESS OTHERWISE SHOWN.
- HEAD RUN
ELSEWHERE
FOUL 1 IN 40
S.W. 1 IN 80
- ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE.
- ALL INTERNAL MANHOLE COVERS TO BE RECESSED TO ACCEPT FINISH AS DETAILED BY ARCHITECT.
- THE LOCATION AND ORIENTATION OF ALL RECESSED COVERS IN BLOCK PAVING AREAS TO BE COORDINATED WITH BLOCK LAYING PATTERN.
- SLOW REST BENDS 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 SAT 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 MAE 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 MAE DESIGNER.

LEGEND

- PHASE 1 MANHOLE
- PHASE 1 PPIC
- PHASE 1 DRAINAGE
- - - PHASE 1 ACO DRAIN
- - - PHASE 1 THRESHOLD DRAIN
- EXISTING UNITED UTILITIES COMBINED WATER SEWERS TO REMAIN
- EXISTING NETWORK RAIL DRAINAGE TO REMAIN
- EXISTING PUBLIC AND PRIVATE SEWERS TO BE ABANDONED
- PHASE 2 SITE BOUNDARY
- PROPOSED TIGM TRACK DRAINAGE DIVERSION
- PROPOSED TIGM DIVERSION DRAINAGE MANHOLE
- VICTORIA STATION DRAINAGE DIVERSION
- PROPOSED WATER DRAINAGE
- PROPOSED FOUL RISING MAIN
- PROPOSED FOUL PPIC
- PROPOSED FOUL FLOOR GULLY
- PROPOSED FOUL ACO DRAIN
- PROPOSED FOUL POP UP

DRAWING STATUS

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	31.05.2022	PLANNING ISSUE - PRELIMINARY	JRS	JRS	DJS
P01	01.04.2022	STAGE 2 ISSUE - PRELIMINARY	JRS	JRS	DJS

PRELIMINARY

CLIENT: MORGAN CAPITAL

ARCHITECT: PIERCY & COMPANY

PROJECT: NEW VICTORIA PHASE 2 MANCHESTER

TITLE: BELOW GROUND DRAINAGE OUTLINE DRAINAGE STRATEGY

STATUS	PROJECT No.	PROJECT	ORIGINATOR	VOL/ISS/LEVEL	TYPE	SCALE	DRAWING No.	REV.
S2	221-132	NV - AJP - XX - XX - DR - C	00001	P02				

SCALE 1:100
DESIGNED: JJR
DRAWN: JJR
CHECKED: JRS
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AJP consulting engineers
0151 227 1462 0610@ajp.co.uk 01 Dale Street, Liverpool, L2 2ET