

ISO A1 841mm x 594mm
DATE: 24/07/2025
FILE LOCATION: H:\PROJECTS\998 - ST GABRIEL'S1.MHT\CIVILDRAWINGS\DRAWINGS\2998-MHT-Z0-00-DR-C-00110.DWG
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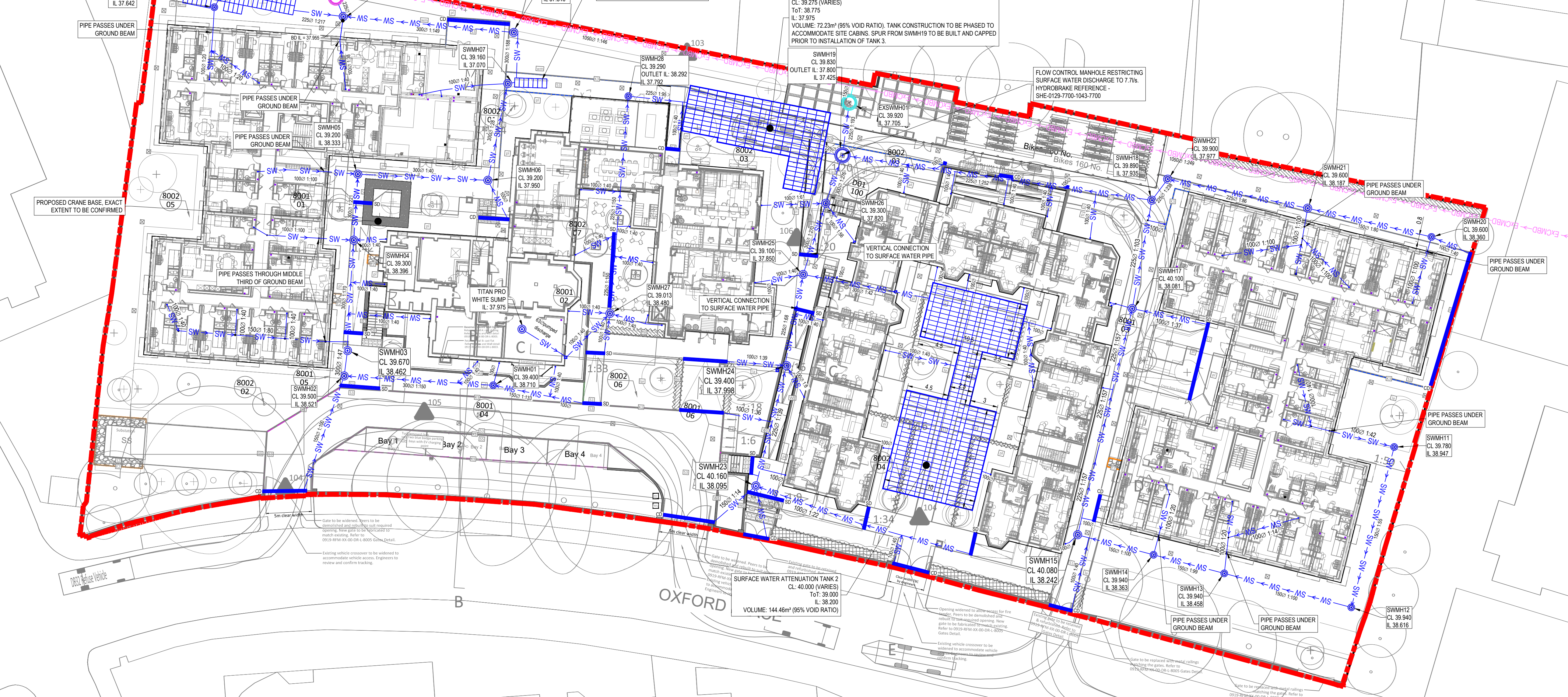
- OUTSTANDING RISKS:**
1. FINAL DESIGN SUBJECT TO RECEIPT OF FROZEN ARCHITECTURAL LAYOUTS
 2. FINAL DESIGN SUBJECT TO RECEIPT OF FROZEN MEP LAYOUTS
 3. EXISTING DRAINAGE FROM BUILDINGS TO BE RETAINED TO BE RE-USED WHERE POSSIBLE. SUBJECT TO CONDITION AND PROPOSED EXTERNAL LEVELS.
 4. ALL DRAINAGE CAST INTO OR PASSING THROUGH STRUCTURE TO BE CAST IRON.
 5. FINAL DRAINAGE DESIGN SUBJECT TO RECEIPT OF FINALISED MEP FLOW RATES.
 6. PIPE DIAMETERS AND GRADIENTS WHERE NOT SHOWN ARE TO BE 1000 LAID AT 1:40
 7. AREAS CLOUDED IN ABEYANCE PENDING FINAL ABOVE GROUND DRAINAGE POSITIONS.
 8. EXISTING BUILDING DRAINAGE POINTS BASED ON ARCHITECTURAL / SURVEY INFORMATION. ANY DISCREPANCIES FOUND ON SITE TO BE REPORTED TO ENGINEER.
 9. ALL DOWNPOINTS TO BE RODDABLE FROM ABOVE GROUND
 10. NO SETTING OUT OF DOWNPOINTS IS TO BE DONE FROM THIS DRAWING.

SURFACE WATER ATTENUATION TANK 1
CL: 39.100 (VARIES)
Tot: 38.600
IL: 37.400
VOLUME: 48.5m³ (95% VOID RATIO)

SURFACE WATER ATTENUATION TANK 1A
CL: 39.160 (VARIES)
Tot: 37.566
IL: 37.566
VOLUME: 2.70m³ (95% VOID RATIO)

SURFACE WATER ATTENUATION TANK 3
CL: 39.275 (VARIES)
Tot: 38.775
IL: 37.975
VOLUME: 72.23m³ (95% VOID RATIO). TANK CONSTRUCTION TO BE PHASED TO ACCOMMODATE SITE CABINS. SPIR FROM SWMH19 TO BE BUILT AND CAPPED PRIOR TO INSTALLATION OF TANK 3.

SURFACE WATER ATTENUATION TANK 2
CL: 40.000 (VARIES)
Tot: 39.000
IL: 38.200
VOLUME: 144.46m³ (95% VOID RATIO)



CONSTRUCTION ISSUE			
REV	DESCRIPTION	BY	DATE
C01	CONSTRUCTION ISSUE	JD	14.02.24
C02	REVISED WHERE CLOUDED	JD	20.02.24
C03	REVISED WHERE CLOUDED	JD	26.02.24
C04	REVISED WHERE CLOUDED	JD	12.03.24
C05	REVISED WHERE CLOUDED	JD	26.03.24
C06	REVISED WHERE CLOUDED	JD	21.05.24
C07	REVISED WHERE CLOUDED	JD	21.06.24
C08	REVISED WHERE CLOUDED	MM	05.10.24
C09	REVISED WHERE CLOUDED	MM	28.11.24
C10	REVISED WHERE CLOUDED	MM	02.12.24
C11	REVISED WHERE CLOUDED	MM	30.01.25
C12	REVISED WHERE CLOUDED	MM	02.05.25
C13	SLOT AND CHANNEL DRAINS SPECIFIED	MM	15.05.25

- NOTES:**
1. DO NOT SCALE FROM THIS DRAWING
 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 3. THIS DRAWING IS FOR CONSTRUCTION PURPOSES.
 4. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND CONSULTANTS DRAWINGS AND SPECIFICATIONS.
 5. THIS DRAWING IS BASED ON:
 - SIMPSON HAUGH ARCHITECTURAL DRAWING - 10349-SHP-Z0-A-G100-PL-00-001 P06 PROPOSED GROUND FLOOR PLAN - RECEIVED 29.06.23
 - SIMPSON HAUGH SETTING OUT DRAWINGS - 10349-SHP-Z34-A-G260-PL-00-001 RECEIVED 03.11.23
 - RE-FORM LANDSCAPING PLAN - 0919-RFM-XX-00-DR-L-0006-P01-LANDSCAPE WORKING DRAWING RECEIVED 14.06.23
 - LANDSCAPE LEVELS PLAN - 0919-RFM-XX-00-M2-L-0001-P04.2-LANDSCAPE WORKING DRAWING RECEIVED 25.03.24
 - CHORD ABOVE GROUND DRAINAGE DRAWINGS RECEIVED 29.06.23
 - UNITED UTILITIES SEWER RECORDS DATED SEPTEMBER 2021
 - LASER SURVEYS LTD CCTV SURVEY DRAWING - LAYERSERV0001116 REV A RECEIVED 22.02.22

- KEY:**
- SITE BOUNDARY
 - SW → SW PROPOSED SURFACE WATER SEWER
 - CMBD → CMBD PROPOSED COMBINED DRAINAGE
 - EXCMBD EXISTING COMBINED DRAINAGE
 - EXSW → EXSW EXISTING SURFACE WATER DRAINAGE
 - Proposed Surface Water Manhole
 - CD RAINWATER PIPE
 - SD CHANNEL DRAIN
 - Slot Drain
 - Proposed Below Ground Surface Water Attenuation Tank
 - Existing Surface Water Water Manhole

CDM RESIDUAL CIVIL / STRUCTURAL DESIGN RISKS

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PROJECT
**ST GABRIEL'S
1 OXFORD PLACE
MANCHESTER
M14 5RP**

CLIENT
MCLAREN

TITLE
**PROPOSED BELOW GROUND DRAINAGE
SURFACE WATER LAYOUT**

DISCIPLINE			SCALE
CIVIL			1:250
DRAWN	DESIGNED	CHECKED	APPROVED
JD	JD	GB	GB
DRAWING No			ISSUE
2998-MHT-Z0-XX-DR-C-00110			C13