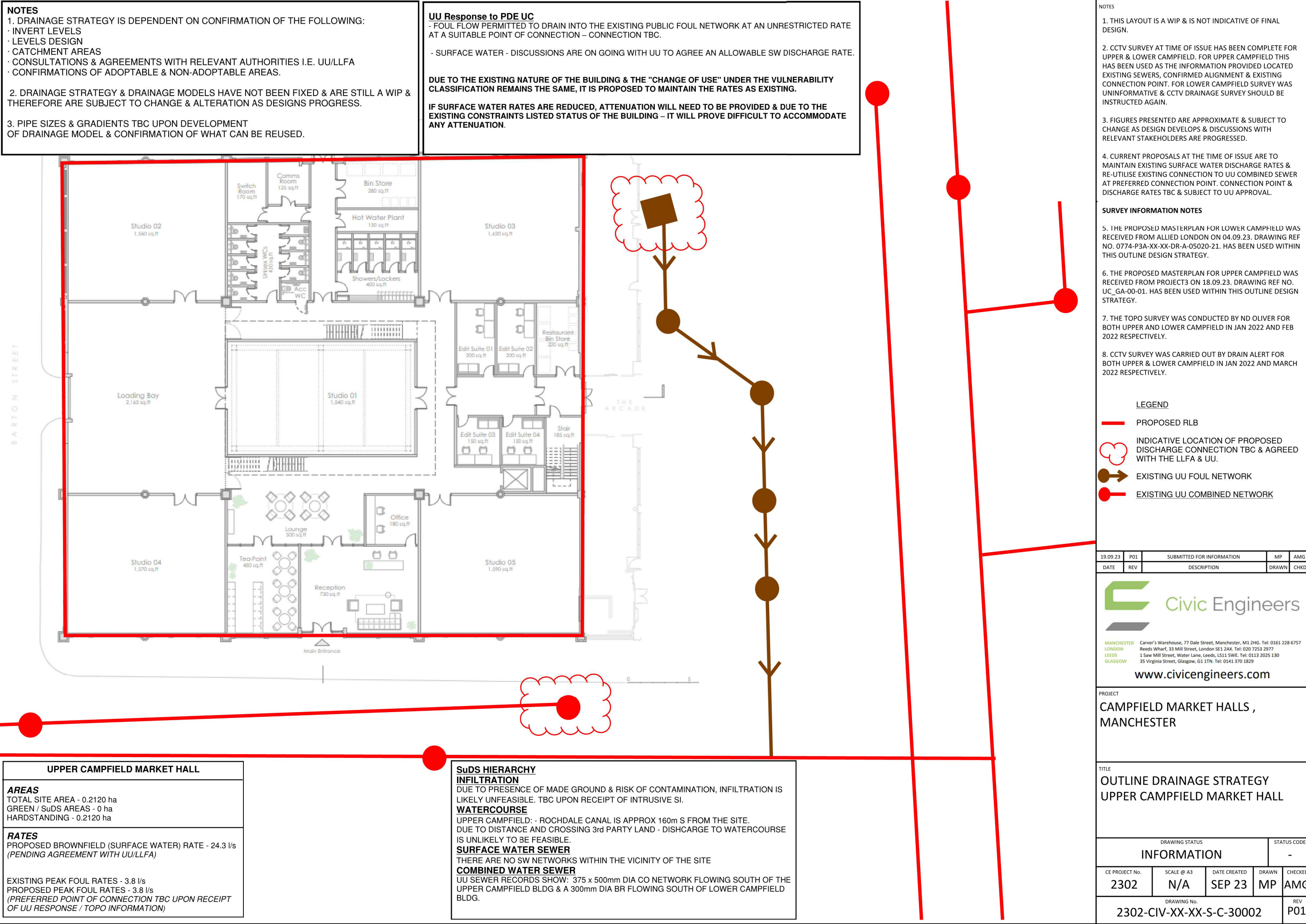




NOTES

1. DRAINAGE STRATEGY IS DEPENDENT ON CONFIRMATION OF THE FOLLOWING:

- INVERT LEVELS
- LEVELS DESIGN
- CATCHMENT AREAS
- CONSULTATIONS & AGREEMENTS WITH RELEVANT AUTHORITIES I.E. UU/LLFA
- CONFIRMATIONS OF ADOPTABLE & NON-ADOPTABLE AREAS.

2. DRAINAGE STRATEGY & DRAINAGE MODELS HAVE NOT BEEN FIXED & ARE STILL A WIP & THEREFORE ARE SUBJECT TO CHANGE & ALTERATION AS DESIGNS PROGRESS.

3. PIPE SIZES & GRADIENTS TBC UPON DEVELOPMENT OF DRAINAGE MODEL & CONFIRMATION OF WHAT CAN BE REUSED.

UU Response to PDE UC

- FOUL FLOW PERMITTED TO DRAIN INTO THE EXISTING PUBLIC FOUL NETWORK AT AN UNRESTRICTED RATE AT A SUITABLE POINT OF CONNECTION – CONNECTION TBC.

- SURFACE WATER - DISCUSSIONS ARE ON GOING WITH UU TO AGREE AN ALLOWABLE SW DISCHARGE RATE.

DUE TO THE EXISTING NATURE OF THE BUILDING & THE "CHANGE OF USE" UNDER THE VULNERABILITY CLASSIFICATION REMAINS THE SAME, IT IS PROPOSED TO MAINTAIN THE RATES AS EXISTING.

IF SURFACE WATER RATES ARE REDUCED, ATTENUATION WILL NEED TO BE PROVIDED & DUE TO THE EXISTING CONSTRAINTS LISTED STATUS OF THE BUILDING – IT WILL PROVE DIFFICULT TO ACCOMMODATE ANY ATTENUATION.

NOTES

1. THIS LAYOUT IS A WIP & IS NOT INDICATIVE OF FINAL DESIGN.

2. CCTV SURVEY AT TIME OF ISSUE HAS BEEN COMPLETE FOR UPPER & LOWER CAMPFIELD. FOR UPPER CAMPFIELD THIS HAS BEEN USED AS THE INFORMATION PROVIDED LOCATED EXISTING SEWERS, CONFIRMED ALIGNMENT & EXISTING CONNECTION POINT. FOR LOWER CAMPFIELD SURVEY WAS UNINFORMATIVE & CCTV DRAINAGE SURVEY SHOULD BE INSTRUCTED AGAIN.

3. FIGURES PRESENTED ARE APPROXIMATE & SUBJECT TO CHANGE AS DESIGN DEVELOPS & DISCUSSIONS WITH RELEVANT STAKEHOLDERS ARE PROGRESSED.

4. CURRENT PROPOSALS AT THE TIME OF ISSUE ARE TO MAINTAIN EXISTING SURFACE WATER DISCHARGE RATES & RE-UTILISE EXISTING CONNECTION TO UU COMBINED SEWER AT PREFERRED CONNECTION POINT. CONNECTION POINT & DISCHARGE RATES TBC & SUBJECT TO UU APPROVAL.

SURVEY INFORMATION NOTES

5. THE PROPOSED MASTERPLAN FOR LOWER CAMPFIELD WAS RECEIVED FROM ALLIED LONDON ON 04.09.23. DRAWING REF NO. 0774-P3A-XX-XX-DR-A-05020-21. HAS BEEN USED WITHIN THIS OUTLINE DESIGN STRATEGY.

6. THE PROPOSED MASTERPLAN FOR UPPER CAMPFIELD WAS RECEIVED FROM PROJECT3 ON 18.09.23. DRAWING REF NO. UC_GA-00-01. HAS BEEN USED WITHIN THIS OUTLINE DESIGN STRATEGY.

7. THE TOPO SURVEY WAS CONDUCTED BY ND OLIVER FOR BOTH UPPER AND LOWER CAMPFIELD IN JAN 2022 AND FEB 2022 RESPECTIVELY.

8. CCTV SURVEY WAS CARRIED OUT BY DRAIN ALERT FOR BOTH UPPER & LOWER CAMPFIELD IN JAN 2022 AND MARCH 2022 RESPECTIVELY.

LEGEND

- PROPOSED RLB
- INDICATIVE LOCATION OF PROPOSED DISCHARGE CONNECTION TBC & AGREED WITH THE LLFA & UU.
- EXISTING UU FOUL NETWORK
- EXISTING UU COMBINED NETWORK

19.09.23	P01	SUBMITTED FOR INFORMATION	MP	AMG
DATE	REV	DESCRIPTION	DRAWN	CHKD



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PROJECT

**CAMPFIELD MARKET HALLS ,
MANCHESTER**

TITLE

**OUTLINE DRAINAGE STRATEGY
UPPER CAMPFIELD MARKET HALL**

DRAWING STATUS				STATUS CODE	
INFORMATION				-	
CE PROJECT No.	SCALE @ A3	DATE CREATED	DRAWN	CHECKED	
2302	N/A	SEP 23	MP	AMG	
DRAWING No.				REV	
2302-CIV-XX-XX-S-C-30002				P01	

UPPER CAMPFIELD MARKET HALL

AREAS

TOTAL SITE AREA - 0.2120 ha
GREEN / SuDS AREAS - 0 ha
HARDSTANDING - 0.2120 ha

RATES

PROPOSED BROWNFIELD (SURFACE WATER) RATE - 24.3 l/s
(PENDING AGREEMENT WITH UU/LLFA)

EXISTING PEAK FOUL RATES - 3.8 l/s
PROPOSED PEAK FOUL RATES - 3.8 l/s
(PREFERRED POINT OF CONNECTION TBC UPON RECEIPT OF UU RESPONSE / TOPO INFORMATION)

SuDS HIERARCHY

INFILTRATION

DUE TO PRESENCE OF MADE GROUND & RISK OF CONTAMINATION, INFILTRATION IS LIKELY UNFEASIBLE. TBC UPON RECEIPT OF INTRUSIVE SI.

WATERCOURSE

UPPER CAMPFIELD: - ROCHDALE CANAL IS APPROX 160m S FROM THE SITE. DUE TO DISTANCE AND CROSSING 3rd PARTY LAND - DISHCARGE TO WATERCOURSE IS UNLIKELY TO BE FEASIBLE.

SURFACE WATER SEWER

THERE ARE NO SW NETWORKS WITHIN THE VICINITY OF THE SITE

COMBINED WATER SEWER

UU SEWER RECORDS SHOW: 375 x 500mm DIA CO NETWORK FLOWING SOUTH OF THE UPPER CAMPFIELD BLDG & A 300mm DIA BR FLOWING SOUTH OF LOWER CAMPFIELD BLDG.

NOTES

1. DRAINAGE STRATEGY IS DEPENDENT ON CONFIRMATION OF THE FOLLOWING:
- INVERT LEVELS
 - LEVELS DESIGN
 - CATCHMENT AREAS
 - CONSULTATIONS & AGREEMENTS WITH RELEVANT AUTHORITIES I.E. UU/LLFA
 - CONFIRMATIONS OF ADOPTABLE & NON-ADOPTABLE AREAS.
2. DRAINAGE STRATEGY & DRAINAGE MODELS HAVE NOT BEEN FIXED AND ARE STILL A WIP AND THEREFORE ARE SUBJECT TO CHANGE AND ALTERATION AS DESIGNS PROGRESS.
3. PIPE SIZES & GRADIENTS TBC UPON DEVELOPMENT OF DRAINAGE MODEL & CONFIRMATION OF WHAT CAN BE REUSED.

LOWER CAMPFIELD MARKET HALL

AREAS

TOTAL SITE AREA - 0.4014 ha
GREEN / SuDS AREAS - 0 ha
HARDSTANDING - 0.4014 ha

RATES

PROPOSED BROWNFIELD (SURFACE WATER) RATE - 46.0 l/s
(PENDING AGREEMENT WITH UU/LLFA)

EXISTING PEAK FOUL RATES - 2 l/s
PROPOSED PEAK FOUL RATES - 5.2 l/s
(PREFERRED POINT OF CONNECTION TBC UPON RECEIPT OF UU RESPONSE / TOPO INFORMATION)

UU Response to PDE UC

- FOUL FLOW PERMITTED TO DRAIN INTO THE 225mm DIA EXISTING PUBLIC FOUL NETWORK AT AN UNRESTRICTED RATE – CONNECTION LOCATION TBC.

- SURFACE WATER - DISCUSSIONS ARE ON-GOING WITH UU TO AGREE AN ALLOWABLE SW DISCHARGE RATE.
DUE TO THE EXISTING NATURE OF THE BUILDING & THE "CHANGE OF USE" UNDER THE VULNERABILITY CLASSIFICATION REMAINS THE SAME, IT IS PROPOSED TO MAINTAIN THE RATES AS EXISTING.

IF SURFACE WATER RATES ARE REDUCED, ATTENUATION WILL NEED TO BE PROVIDED & DUE TO THE EXISTING CONSTRAINTS LISTED STATUS OF THE BUILDING – IT WILL PROVE DIFFICULT TO ACCOMMODATE ANY ATTENUATION.

NOTES

1. THIS LAYOUT IS A WIP & IS NOT INDICATIVE OF FINAL DESIGN.
2. CCTV SURVEY AT TIME OF ISSUE HAS BEEN COMPLETE FOR UPPER & LOWER CAMPFIELD. FOR UPPER CAMPFIELD THIS HAS BEEN USED AS THE INFORMATION PROVIDED LOCATED EXISTING SEWERS, CONFIRMED ALIGNMENT & EXISTING CONNECTION POINT. FOR LOWER CAMPFIELD SURVEY WAS UNINFORMATIVE & CCTV DRAINAGE SURVEY SHOULD BE INSTRUCTED AGAIN.
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8. CCTV SURVEY WAS CARRIED OUT BY DRAIN ALERT FOR BOTH UPPER & LOWER CAMPFIELD IN JAN 2022 AND MARCH 2022 RESPECTIVELY.

LEGEND

- PROPOSED RLB
- ☁ INDICATIVE LOCATION OF PROPOSED DISCHARGE CONNECTION TBC & AGREED WITH THE LLFA & UU.
- ➡ EXISTING UU FOUL NETWORK
- EXISTING UU COMBINED NETWORK

19.09.23	P01	SUBMITTED FOR INFORMATION	MP	AMG
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PROJECT

CAMPFIELD MARKET HALLS ,
MANCHESTER

TITLE

OUTLINE DRAINAGE STRATEGY
LOWER CAMPFIELD MARKET HALL

DRAWING STATUS				STATUS CODE	
INFORMATION				-	
CE PROJECT No.	SCALE @ A3	DATE CREATED	DRAWN	CHECKED	
2302	N/A	SEP 23	MP	AMG	
DRAWING No.				REV	
2302-CIV-XX-XX-S-C-30003				P01	

SuDS HIERARCHY

INFILTRATION

DUE TO PRESENCE OF MADE GROUND & RISK OF CONTAMINATION, INFILTRATION IS LIKELY UNFEASIBLE. TBC UPON RECEIPT OF INTRUSIVE SI.

WATERCOURSE

LOWER CAMPFIELD: - BRIDGE WATER CANAL IS APPROX 150m SW FROM SITE. DUE TO DISTANCE AND CROSSING 3rd PARTY LAND - DISCHARGE TO WATERCOURSE IS UNLIKELY TO BE FEASIBLE.

SURFACE WATER SEWER

THERE ARE NO SW NETWORKS WITHIN THE VICINITY OF THE SITE

COMBINED WATER SEWER

UU SEWER RECORDS SHOW: 375 x 500mm DIA CO NETWORK FLOWING SOUTH OF THE UPPER CAMPFIELD BLDG & A 300mm DIA BR FLOWING SOUTH OF LOWER CAMPFIELD BLDG.

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