



DRAINAGE NOTES

TOTAL SITE AREA: 0.17ha
IMPERMEABLE AREA: 0.17 ha
PERMEABLE AREA: 0 ha

ESTIMATED STORAGE REQUIREMENTS: 60m³
(A VALUE OF 60m³ IS ESTIMATED VIA SIMULATION OF A SIMPLIFIED NETWORK FOR 1 IN 100 YR+45% CC FOR CRITICAL STORM USING FSR RAINFALL METHODOLOGY)

TOTAL STORAGE PROVIDED VIA PERMEABLE PAVING: 49.8m³
THE REMAINDER OF THE STORAGE IS PROVIDED WITHIN THE PIPE NETWORK

OPTION 3:
INDICATIVE LOCATION OF ALTERNATIVE UU
COMBINED MANHOLE OUTFALL LOCATION.

PROPOSED PERMEABLE PAVING:
AREA: 332m²
SUB-BASE DEPTH: 0.5m
STORAGE: 49.8m³

MANHOLE WITH HYDROBRAKE
RESTRICTING FLOW TO SL/S

OPTION 1:
PROPOSED NEW OUTFALL TO EXISTING UU
COMBINED NETWORK. DISCUSSION AND
CONFIRMATION FROM UU REQUIRED

OPTION 2:
UU PREFERRED POINT OF CONNECTION.
UNABLE TO CONNECT HERE DUE TO THE
PROXIMITY OF THE BUILDINGS TO THE REDLINE
BOUNDARY.

INDICATIVE LOCATION OF EXISTING COMBINED
SEWER

ADDITIONAL NOTES

SURFACE WATER & FOUL WATER OUTFALL OPTIONS:

- OPTION 1:**
- LOCATION: CONNECTION TO EXISTING COMBINED SEWER LOCATED WITHIN ARDWICK GREEN NORTH
 - NEW CONNECTION POINT PROPOSED. MORE FEASIBLE THAN CONNECTING TO THE EXISTING MANHOLE SOUTHEAST OF THE SITE AS SYSTEM CAN BE CONTAINED TO WITHIN THE RED LINE BOUNDARY.
- OPTION 2:**
- LOCATION: MANHOLE WITH IN ARDWICK GREEN NORTH (SOUTHEAST OF THE SITE).
 - UNITED UTILITIES PREFERRED POINT OF CONNECTION BUT NOT FEASIBLE DUE TO THE PROXIMITY OF THE REDLINE BOUNDARY AND BUILDING PERIMETER
- OPTION 3**
- LOCATION: EXISTING MANHOLE NORTHEAST OF THE SITE WITHIN COTTER STREET.
 - CONNECTION TO THIS MANHOLE WOULD REQUIRE SIGNIFICANT EXCAVATION OUTSIDE OF THE REDLINE BOUNDARY

SUDS HIERARCHY OPTIONS:

INFILTRATION
THE BGS INFILTRATION REPORT SUGGESTS THAT THE BELOW GROUND STRATA IS MADE UP OF TILL, THE LK GROUP PHASE 1 FOUND CLAY PRESENCE BENEATH THE SITE, THEREFORE INDICATING INFILTRATION WOULD NOT BE FEASIBLE. SOAKAWAY TESTING TO BRE STANDARD WILL BE REQUIRED TO CONFIRM IF INFILTRATION IS FEASIBLE.

WATERCOURSE
THE CLOSEST IDENTIFIED MAIN RIVER IS THE RIVER MEDLOCK, LOCATED APPROXIMATELY 230m NORTH OF THE SITE. DUE TO DISTANCE AND CROSSING NUMBER OF 3RD PARTY BOUNDARIES, CONNECTION TO THE RIVER WILL NOT BE FEASIBLE.

SURFACE WATER NETWORK
THERE IS NO SURFACE WATER NETWORK LOCATED NEAR THE SITE

COMBINED WATER NETWORK
UU SEWER RECORDS SHOW A COMBINED NETWORK WITHIN ARDWICK GREEN NORTH TO THE SOUTH OF THE SITE AND ANOTHER COMBINED MANHOLE LOCATED WITHIN COTTER STREET TO THE NORTHEAST OF THE SITE. UU'S PREFERRED POINT OF CONNECTION IS TO THE NETWORK WITHIN ARDWICK GREEN NORTH.

STANDARD NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND THE SPECIFICATIONS.
- THIS DRAWING SHOULD NOT BE SCALED.
- ALL DIMENSIONS ARE TO BE VERIFIED BY THE CONTRACTOR ON SITE.
- ALL DISCREPANCIES SHOULD BE REPORTED TO C.A./E.A. PRIOR TO THE COMMENCEMENT OF WORKS.

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NOTES:

- SITE PLAN PROVIDED BY CODA ARCHITECTS, RECEIVED 26TH OCTOBER 2022
- COVER LEVELS APPROX BASED ON TOPO CONDUCTED BY SURVEY OPERATIONS IN OCTOBER 2022, PROVIDED BY CODA ARCHITECTS OCTOBER 2022
- MANHOLE INVERT LEVELS BASED ON THE INFORMATION PROVIDED IN THE CCTV SURVEY CONDUCTED BY DRAIN ALERT ON THE 13TH OCTOBER 2022.
- THE STRATEGY SHOWN IS A WORK IN PROGRESS AND IS SUBJECT TO CONFIRMATION OF:
 - PROPOSED SITE LEVELS
 - FINAL SITE PLAN LAYOUT
 - DROP DOWN LOCATIONS
 - CONSULTATIONS AND AGREEMENTS WITH RELEVANT AUTHORITIES REGARDING LOCATIONS, RATES AND UTILITY EASEMENTS
 - ADOPTABILITY REQUIREMENTS OF NETWORK
 - FOUNDATION DETAILS

KEY:

- EXISTING SEWER ———
- EXISTING MH ○
- PROPOSED SW MH ○
- PROPOSED FW MH ○
- PROPOSED SW SEWER - - - - -
- PROPOSED FW SEWER - - - - -
- PROPOSED CW SEWER - - - - -
- PROPOSED FILTER DRAIN - - - - -
- SITE BOUNDARY ———
- EXTENT OF S278 WORKS ———

10.11.22	P01	ISSUED FOR INFORMATION	CER	PM
DATE	REV	DESCRIPTION	DRAWN	CHKD



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PROJECT
ARDWICK GREEN

TITLE
STAGE 2 DRAINAGE DESIGN

DRAWING STATUS				STATUS CODE	
INFORMATION				S1	
CE PROJECT No.	SCALE @ A1	DATE CREATED	DRAWN	CHECKED	CER
2075	1:150	31.10.22		PM	
DRAWING No.					REV
2075-CIV-XX-XX-SK-C-3001					P01