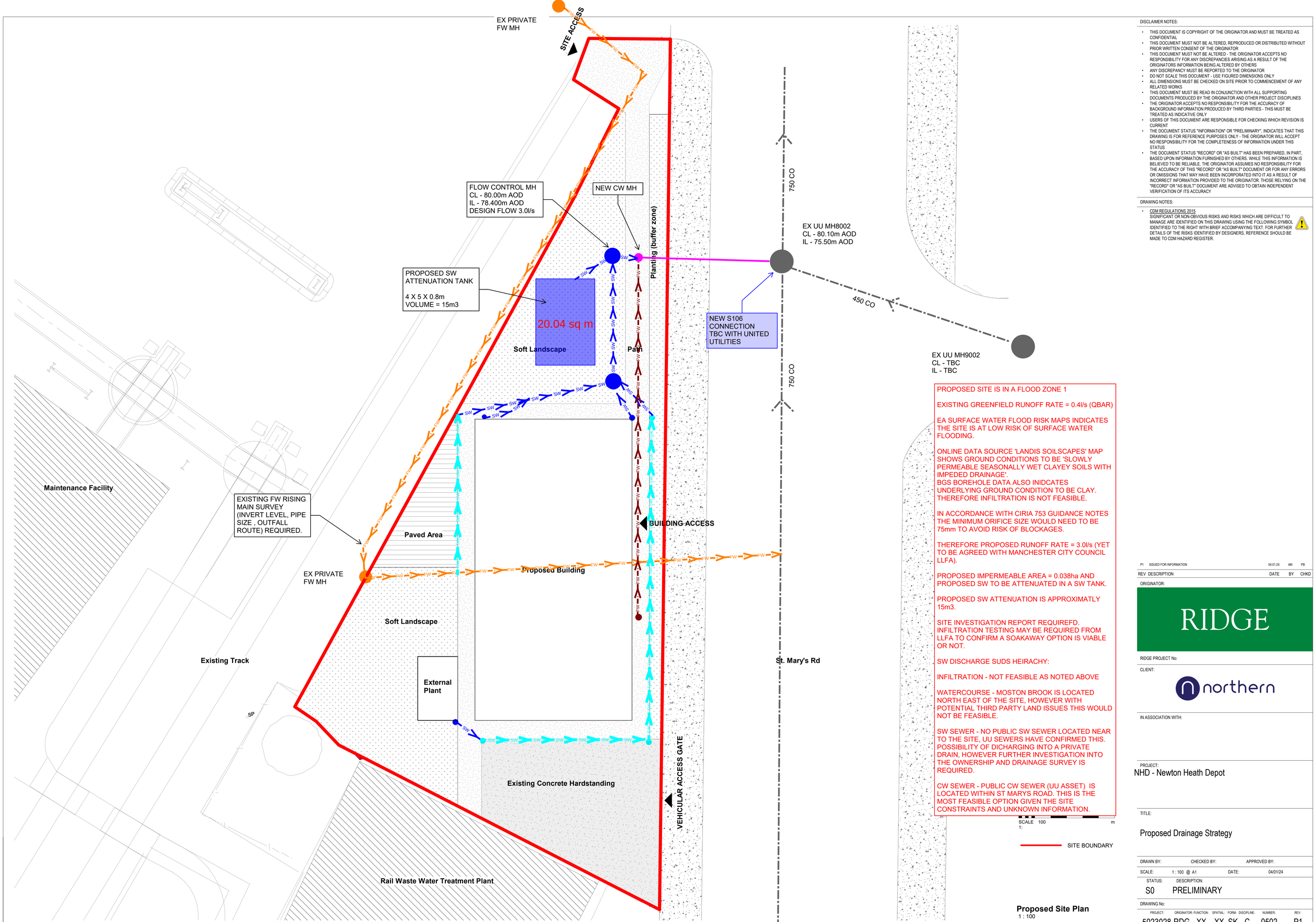


PROPOSED SITE IS IN A FLOOD ZONE 1

EXISTING GREENFIELD RUNOFF RATE = 0.4l/s (QBAR)

EA SURFACE WATER FLOOD RISK MAPS INDICATES THE SITE IS AT LOW RISK OF SURFACE WATER FLOODING.

ONLINE DATA SOURCE 'LANDIS SOILSCAPES' MAP SHOWS GROUND CONDITIONS TO BE 'SLOWLY PERMEABLE SEASONALLY WET CLAYEY SOILS WITH IMPEDED DRAINAGE'.
BGS BOREHOLE DATA ALSO INIDCATES UNDERLYING GROUND CONDITION TO BE CLAY.
THEREFORE INFILTRATION IS NOT FEASIBLE.

IN ACCORDANCE WITH CIRIA 753 GUIDANCE NOTES THE MINIMUM ORIFICE SIZE WOULD NEED TO BE 75mm TO AVOID RISK OF BLOCKAGES.

THEREFORE PROPOSED RUNOFF RATE = 3.0l/s (YET TO BE AGREED WITH MANCHESTER CITY COUNCIL LLFA).

PROPOSED IMPERMEABLE AREA = 0.038ha AND PROPOSED SW TO BE ATTENUATED IN A SW TANK.

PROPOSED SW ATTENUATION IS APPROXIMATLY 15m3.

SITE INVESTIGATION REPORT REQUIREFD. INFILTRATION TESTING MAY BE REQUIRED FROM LLFA TO CONFIRM A SOAKAWAY OPTION IS VIABLE OR NOT.

SW DISCHARGE SUDS HEIRACHY:

INFILTRATION - NOT FEASIBLE AS NOTED ABOVE

WATERCOURSE - MOSTON BROOK IS LOCATED NORTH EAST OF THE SITE, HOWEVER WITH POTENTIAL THIRD PARTY LAND ISSUES THIS WOULD NOT BE FEASIBLE.

SW SEWER - NO PUBLIC SW SEWER LOCATED NEAR TO THE SITE, UU SEWERS HAVE CONFIRMED THIS. POSSIBILITY OF DICHARGING INTO A PRIVATE DRAIN, HOWEVER FURTHER INVESTIGATION INTO THE OWNERSHIP AND DRAINAGE SURVEY IS REQUIRED.

CW SEWER - PUBLIC CW SEWER (UU ASSET) IS LOCATED WITHIN ST MARYS ROAD. THIS IS THE MOST FEASIBLE OPTION GIVEN THE SITE CONSTRAINTS AND UNKNOWN INFORMATION.

Proposed Site Plan
1 : 100

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REV	DESCRIPTION	DATE	BY	CHKD
P1	ISSUED FOR INFORMATION	04.01.24	AM	PB

ORIGINATOR: RIDGE

RIDGE PROJECT No:

CLIENT: northern

IN ASSOCIATION WITH:

PROJECT:
NHD - Newton Heath Depot

TITLE:
Proposed Drainage Strategy

DRAWN BY:	CHECKED BY:	APPROVED BY:
SCALE: 1 : 100 @ A1	DATE: 04/01/24	

STATUS: S0 DESCRIPTION: PRELIMINARY

DRAWING No:

PROJECT:	ORIGINATOR:	FUNCTION:	SPATIAL:	FORM:	DISCIPLINE:	NUMBER:	REV:
5023028	RDG	XX	XX	SK	C	0502	P1