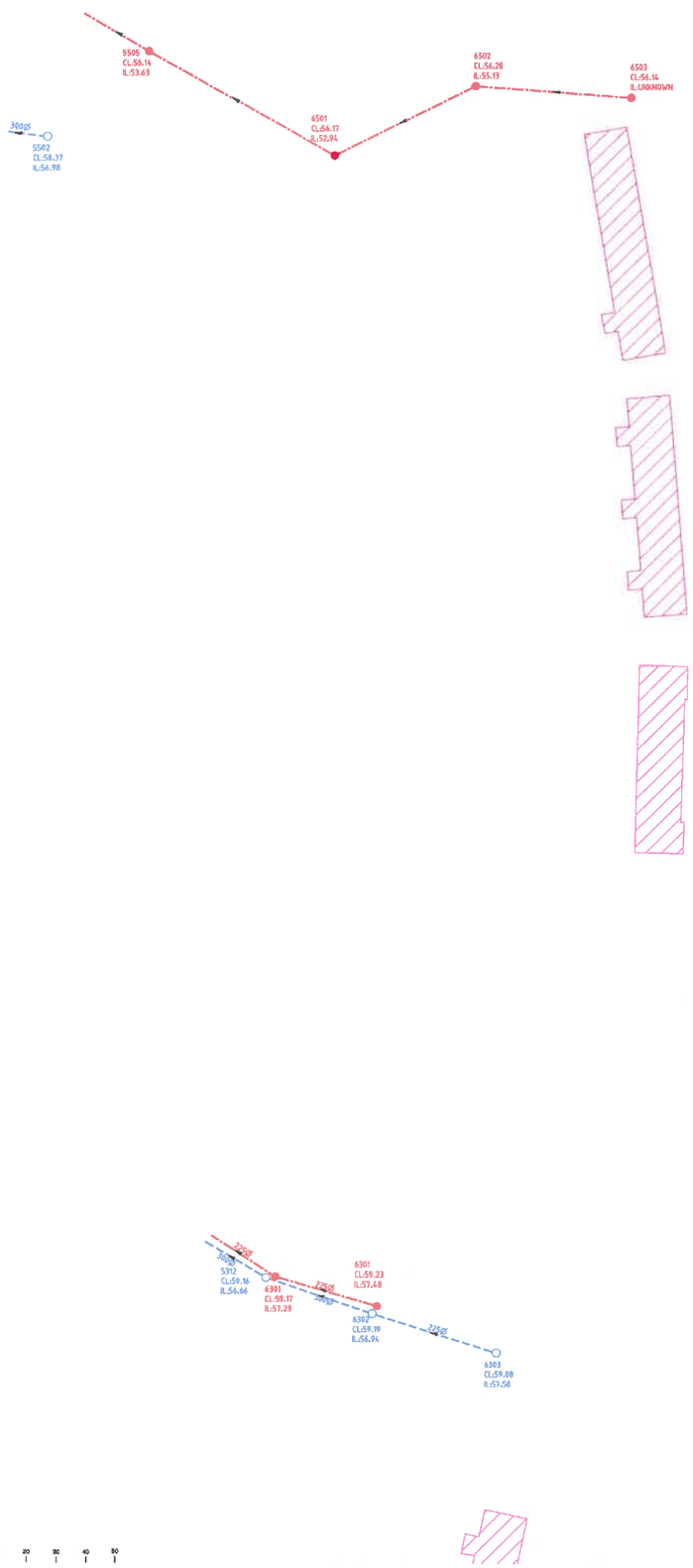
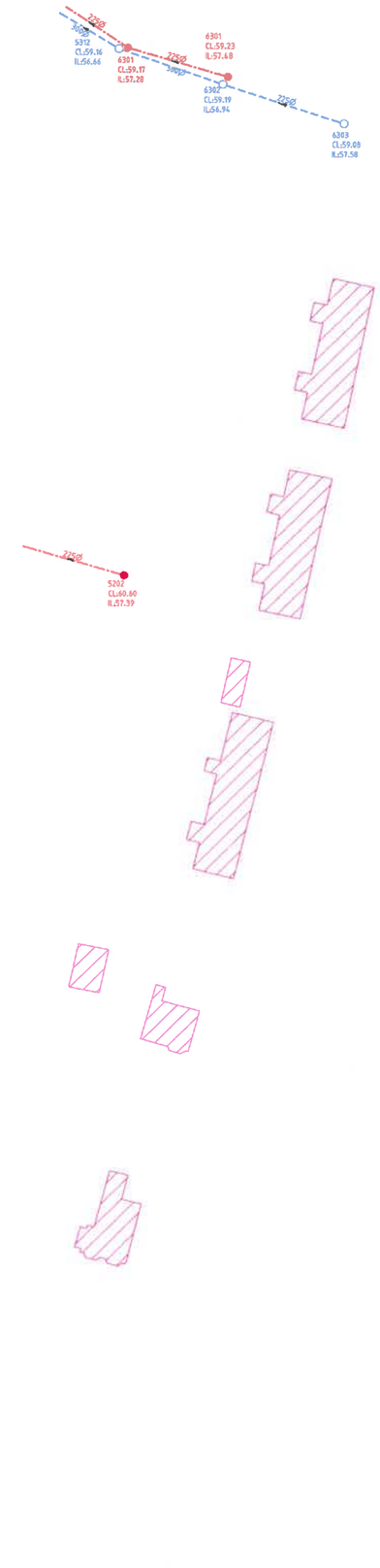




VIEWPORT 1

VIEWPORT 2

NOTES:

THE WALLINGFORD PROCEDURE HAS BEEN USED TO CALCULATE THE ESTIMATED RUNOFF FROM THE EXISTING HOUSES.

DR = 2.78 X A X I

WHERE:
DR = DISCHARGE RATE (LITRES PER SECOND)
A = AREA (HECTARES)
I = RAINFALL INTENSITY (MM/HR)

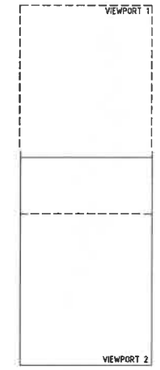
EXISTING IMPERMEABLE AREA TAKEN FROM TOPOGRAPHIC SURVEY IS 1671M2/. AVERAGE RAINFALL INTENSITY ASSUMED AT 50MM/HR.

SO EXISTING RUN OFF =

2.78 X 0.1671 X 50 = 23.2 LITRES PER SECOND. A BETTERMENT OF 20% IS PROPOSED TO REDUCE THE BROWNFIELD ELEMENT OF THE SITE TO 16.24 L/S.

THE REMAINING GREENFIELD AREA (22748M2)OF THE SITES RUNOFF RATE OF 17.83 HAS BEEN CALCULATED USING THE GREENFIELD RUNOFF TOLL FROM THEHR WALLINGFORDS UK SUDS WEBSITE.

TOTAL PROPOSED QBAR RUNOFF RATE FROM THE SITE IS CALCULATED AS 34.07 L/S.



VIEWPORT LOCATION PLAN
NOT TO SCALE

Rev	Date	Description	By	Chk
P01	08.12.20	PRELIMINARY - Issued for Information	J.C	R.A

EDGE CONSULTING
Manchester, UK
3rd Floor, Canavon Court,
12 Blackfriars Street,
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United Kingdom

Project Name
MITTON ROAD
WHALLEY

Client
PROSPECT HOMES

Designed	Drawn	Checked	Scale @ A1
R.A	J.C	R.A	1:500

Drawing Title
EXISTING DRAINAGE AREAS AND RUNOFF RATES

Project No.
200903

PRELIMINARY
NOT FOR CONSTRUCTION

Drawing No. — Revision
200903-EDGE-XX-XX-DR-C-2003 P01

FILENAME:
PLOT DATE:
0mm 10 20 30 40 50