A1

SURFACE WATER DRAINAGE STRATEGY

CONSIDERATION HAS BEEN GIVEN TO THE HIERARCHY OF DRAINAGE OPTIONS FOR THE SITE AS FOLLOWS:

1. DISCHARGE INTO GROUND - ANTICIPATED COHESIVE CLAY MATERIAL WOULD NEGATE INFILTRATION AS A VIABLE OPTION.
2. DISCHARGE TO SURFACE WATER BODY - NEW GRAVITY CONNECTION TO BE MADE TO THE RIVER ROCH WATERCOURSE SOUTH OF THE DEVELOPMENT SITE.
3. DISCHARGE TO SURFACE WATER SEWER, HIGHWAY DRAIN OR OTHER DRAINAGE SYSTEM - HIGHER OPTIONS AVAILABLE..

THE PROPOSAL IS TO DISCHARGE SURFACE WATER TO THE ADJACENT RIVER ROCH. FLOWS WILL BE RESTRICTED TO THE RESPECTIVE GREENFELD RATES OF:

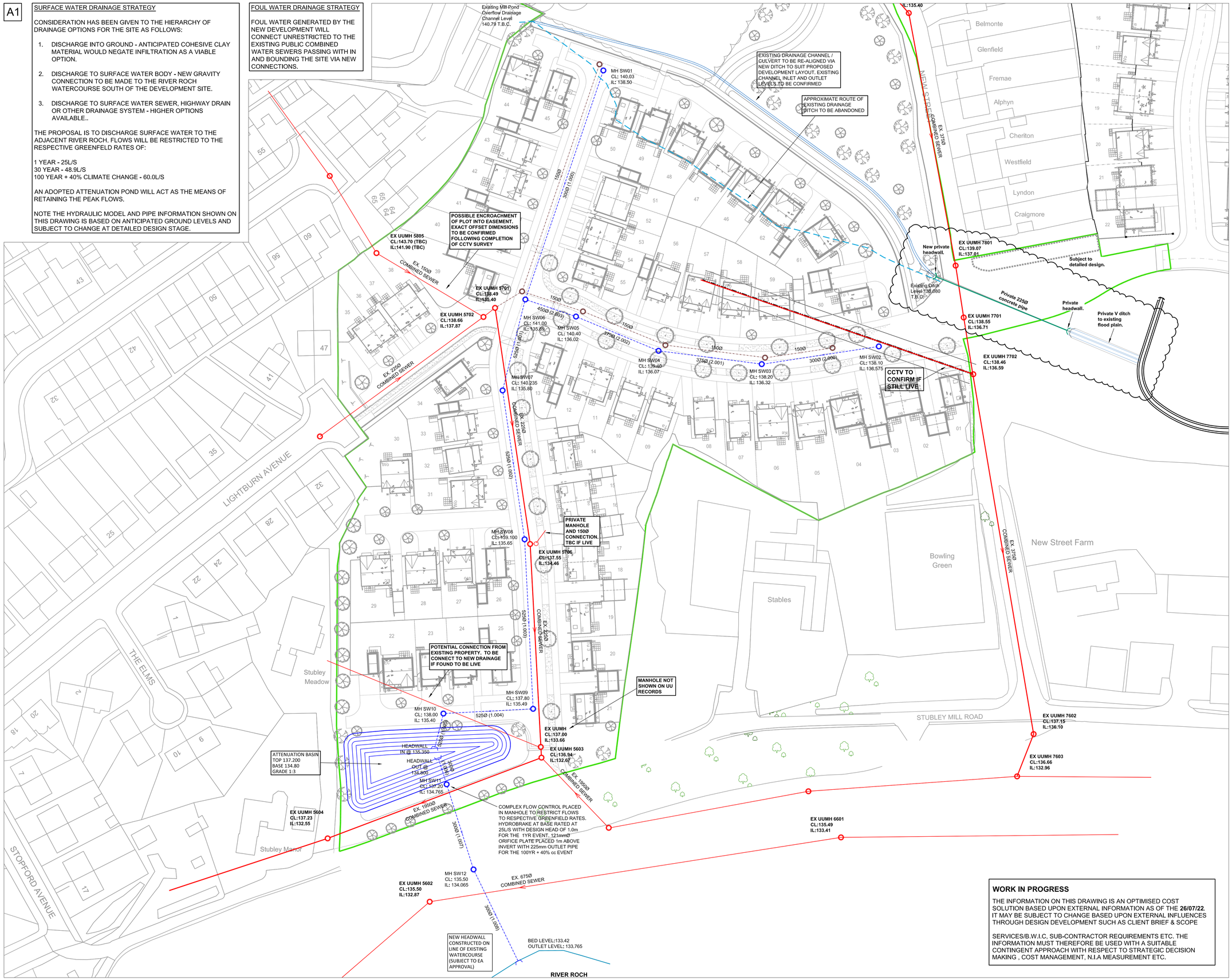
1 YEAR - 25L/S
30 YEAR - 48.9L/S
100 YEAR + 40% CLIMATE CHANGE - 60.0L/S

AN ADOPTED ATTENUATION POND WILL ACT AS THE MEANS OF RETAINING THE PEAK FLOWS.

NOTE THE HYDRAULIC MODEL AND PIPE INFORMATION SHOWN ON THIS DRAWING IS BASED ON ANTICIPATED GROUND LEVELS AND SUBJECT TO CHANGE AT DETAILED DESIGN STAGE.

FOUL WATER DRAINAGE STRATEGY

FOUL WATER GENERATED BY THE NEW DEVELOPMENT WILL CONNECT UNRESTRICTED TO THE EXISTING PUBLIC COMBINED WATER SEWERS PASSING WITH IN AND BOUNDING THE SITE VIA NEW CONNECTIONS.



WORK IN PROGRESS

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KEY

- EXISTING COMBINED SEWER
- EXISTING DRAINAGE DITCH
- PROPOSED FOUL WATER SEWER
- PROPOSED SURFACE WATER SEWER
- PROPOSED CULVERT
- SITE BOUNDARY

Rev	Description	By	Date	Chk'd
P3	NEW CULVERT ROUTE ADDED	AMT	13.12.22	AJ
P2	SITE PLAN & INVERT LEVELS UPDATED	PG	26.07.22	AJ
P1	PRELIMINARY ISSUE	PG	29.04.22	AJ

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Client
RUSSELL HOMES

Project
NEW STREET
LITTLEBOROUGH

Drawing
DRAINAGE STRATEGY PLAN

Purpose of Issue
PRELIMINARY

Scale @ A1	Date	Drawn	Checked
1:500	29.04.22	PG	AJ

Project No.	Drawing No.	Revision
13169	101	P3