



- KEY:
- PLANNING BOUNDARY (0.41ha) —
- PROPOSED BUILDING FOOTPRINT (0.206ha) —
- EXISTING PRIVATE SURFACE WATER SEWER/DRAIN —
- EXISTING PRIVATE COMBINED WATER SEWER/DRAIN —
- EXISTING COMBINED PUBLIC SEWER AND MANHOLE —
- EXISTING POSITIVELY DRAINING AREA WITHIN THE PLANNING BOUNDARY USED FOR CALCULATING EXISTING FLOWS. AREA = 0.32ha
- EXISTING POSITIVELY DRAINING ADOPTED AREA (LONGACRE STREET), NOT USED WITHIN CALCULATION TO DETERMINE FLOWS AREA = 0.09ha

MODIFIED RATIONAL METHOD USED TO DETERMINE EXISTING FLOWS FROM THE SITE, SHOWN BELOW.

Modified Rational Method											
Q = 2.78 Cv CR i A											
Where:											
CV = Volumetric Runoff Coefficient											
CR = 1.3 (Routing Coefficient)											
I = Rainfall Intensity (mm/h)											
A = Area (ha)											
2.78 = Coefficient accounting for the differences in units used for the inputs and the outputs of the equation.											
The variable Cv is a co-efficient that describes the proportion of rainfall appearing in the surface water drainage system. CR is a routing co-efficient added to the Rational Method to represent runoff characteristics of a particular site or area in a more accurate manner.											
2.78 x 1 x 1.3 x 50 x 0.32 = 57.82 l/s											

GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- EXTENT OF EXTERNAL AREAS TO BE COVERED UNDER THIS PLOT TO BE CONFIRMED. CURRENTLY THIS DRAWING ONLY DEMONSTRATES EXISTING CATCHMENTS FROM THE PROPOSED BUILDING EXTENTS.
- EXISTING DRAINAGE SHOWN ON THIS DRAWING IS ASSUMED AND IS TO BE CONFIRMED.

P04	MINOR UPDATE	25.06.20	CD	CD
P03	PLANNING BOUNDARY UPDATED	05.06.20	CD	CD
P02	PLANNING BOUNDARY ADDED	29.04.20	CD	CD
P01	DRAFT ISSUE	01/04/20	AH	CD

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Status:	SUITABLE FOR INFORMATION	S2
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Project:	HEYROD ST
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Orig Title:	EXISTING CATCHMENTS
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Project No:	Size:	Date:	Drawn By:	Designed By:	Checked By:
075424	A1	01/04/20	AH	AH	CD
Scale: 1:250					
Project Code:	Originator:	Volume:	Level:	Type:	Role:
075424 - CUR - 00 - XX - DR - C -	92000	- P04			