

PHASE 1 & 2 IMPERMEABLE AREA PLAN

CATCHMENT AREA A

ROOF = 18789m² = 1.879 HA
HARDSTANDING = 40989m² = 4.099 HA

TOTAL = 59778m² = 5.978 HA

CATCHMENT AREA B

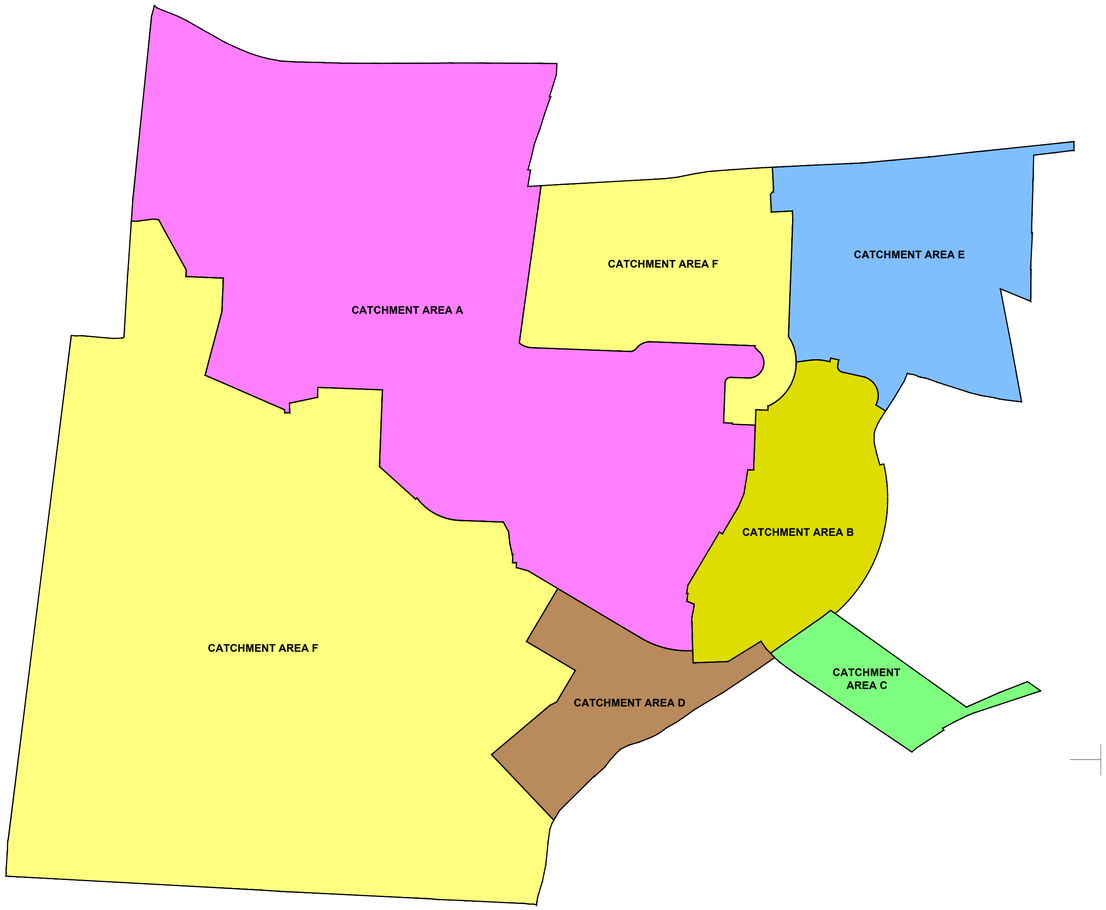
ROOF = 3480m² = 0.348 HA
HARDSTANDING = 5859m² = 0.586 HA

TOTAL = 9339m² = 0.934 HA

CATCHMENT AREA C

ROOF = 1120m² = 0.112 HA
HARDSTANDING = 2035m² = 0.204 HA

TOTAL = 3155m² = 0.316 HA



ALLOWABLE DISCHARGE RATE CALCULATIONS

CATCHMENT AREA A
BOUNDARY AREA = 13.035 HA
IMPERMEABLE AREA = 5.978 HA (45.9%)

CATCHMENT AREA B
BOUNDARY AREA = 2.559 HA
IMPERMEABLE AREA = 0.934 HA (36.5%)

CATCHMENT AREA C
BOUNDARY AREA = 0.857 HA
IMPERMEABLE AREA = 0.316 HA (36.8%)

CATCHMENT AREA D
BOUNDARY AREA = 1.645 HA
IMPERMEABLE AREA = 0.658 HA (40.0% ASSUMED)

CATCHMENT AREA E
BOUNDARY AREA = 3.557 HA
IMPERMEABLE AREA = 1.423 HA (40.0% ASSUMED)

CATCHMENT AREA F
BOUNDARY AREA = 19.626 HA
IMPERMEABLE AREA = 7.850 HA (40.0% ASSUMED)

TOTAL IMPERMEABLE AREA = 17.159 HA

ALLOWABLE DISCHARGE RATE @ 1.4 L/S/HA = 24.02 L/S

CATCHMENT AREA A & F DISCHARGE RATE = 9.0 L/S

CATCHMENT AREA B DISCHARGE RATE = 3.0 L/S

CATCHMENT AREA C DISCHARGE RATE = 3.0 L/S

CATCHMENT AREA D DISCHARGE RATE = 3.0 L/S

CATCHMENT AREA E DISCHARGE RATE = 6.0 L/S

REV	DATE	DESCRIPTION	DRAWN	CHECKED BY

Revisions

CF

Architects Engineers Quantity Surveyors

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CLIENT: Ashwood Homes Ltd

PROJECT: Residential Development
Land South of Hall Gate
Holbeach

DRAWING: Impermeable Areas & Site Boundaries

PROJECT REF.: 5244

DRAWING NO.: 73

REVISION: P1

DATE: 03/04/2017

SCALE: 1:2500 @ A1

DRAWN BY: RSM

CHECKED BY: MN