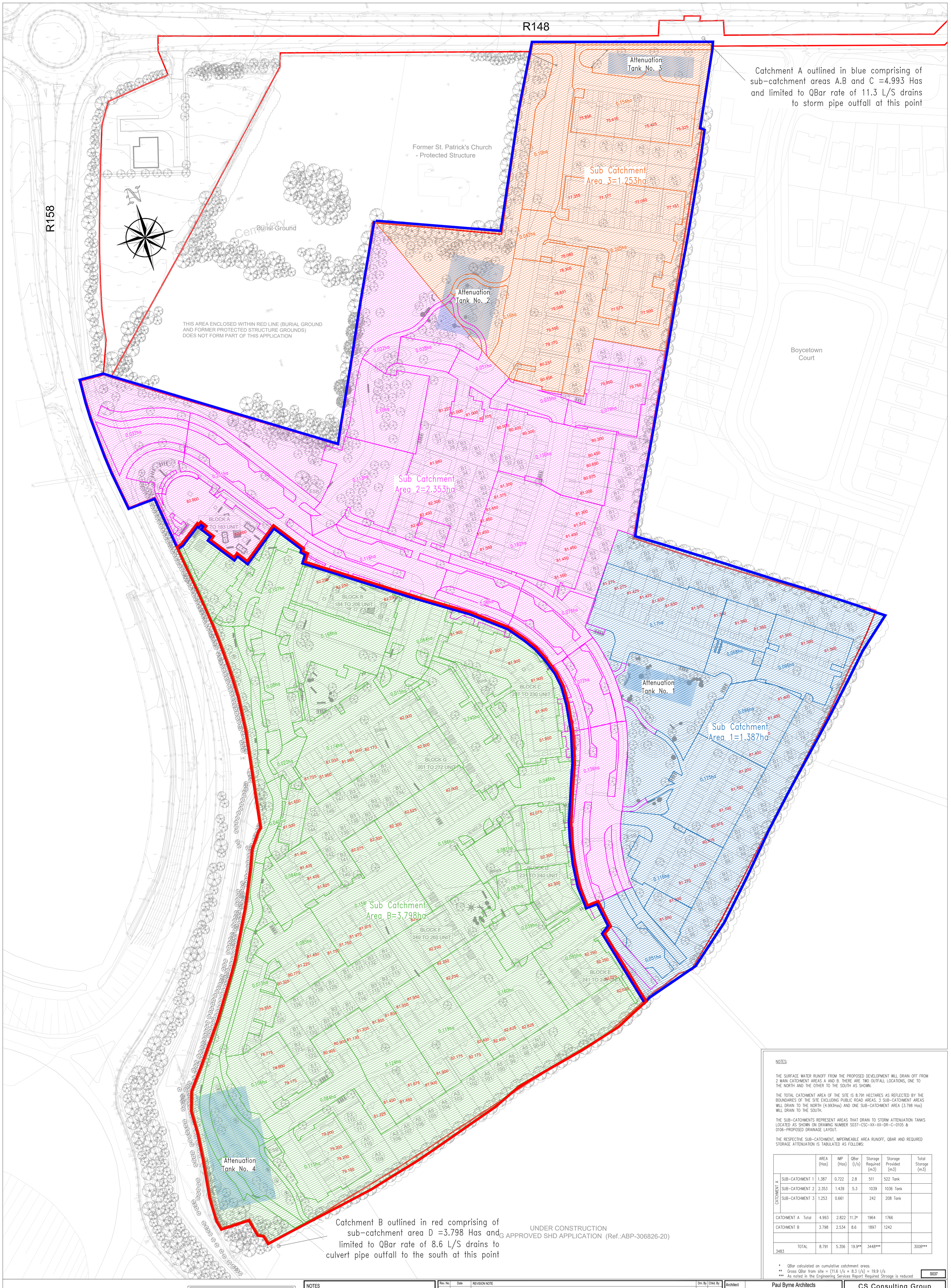

UNDER CONSTRUCTION
G APPROVED SHD APPLICATION (Ref.:ABP-306826-20)

NOTES:

THE SURFACE WATER RUNOFF FROM THE PROPOSED DEVELOPMENT WILL DRAIN OFF FROM 2 MAIN CATCHMENT AREAS A AND B. THERE ARE TWO OUTFALL LOCATIONS, ONE TO THE NORTH AND THE OTHER TO THE SOUTH AS SHOWN.

THE TOTAL CATCHMENT AREA OF THE SITE IS 8.791 HECTARES AS REFLECTED BY THE BOUNDARIES OF THE SITE EXCLUDING PUBLIC ROAD AREAS. 3 SUB-CATCHMENT AREAS WILL DRAIN TO THE NORTH (4.993Has) AND ONE SUB-CATCHMENT AREA (3.798 Has) WILL DRAIN TO THE SOUTH.

THE SUB-CATCHMENTS REPRESENT AREAS THAT DRAIN TO STORM ATTENUATION TANKS LOCATED AS SHOWN ON DRAWING NUMBER S037-CSC-XX-XX-DR-C-0105 & 0106-PROPOSED DRAINAGE LAYOUT.

THE RESPECTIVE SUB-CATCHMENT, IMPERMEABLE AREA RUNOFF, QBAR AND REQUIRED STORAGE ATTENUATION IS TABULATED AS FOLLOWS:

		AREA (Has)	IMP (Has)	QBar (l/s)	Storage Required (m3)	Storage Provided (m3)	Total Storage (m3)
CATCHMENT A	SUB-CATCHMENT 1	1.387	0.722	2.8	511	522 Tank	
	SUB-CATCHMENT 2	2.353	1.439	5.3	1039	1036 Tank	
	SUB-CATCHMENT 3	1.253	0.661		242	208 Tank	
CATCHMENT A Total		4.993	2.822	11.3*	1964	1766	
CATCHMENT B		3.798	2.534	8.6	1897	1242	
TOTAL		8.791	5.356	19.9**	3448***		3008***

3483

* QBar calculated on cumulative catchment areas.
** Gross QBar from site = (11.6 l/s + 8.3 l/s) = 19.9 l/s
*** As noted in the Engineering Services Report Required Stroage is reduced

S037

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NOTES
1. For setting out refer to Architect's drawings.
2. This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
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Rev. No.	Date	REVISION NOTE	Drn. By	Chkd. By
P1	02.09.2022	ISSUED FOR PLANNING	JS	OS

Architect	Paul Byrne Architects
Project	Kilcock West SHD 2 Boycetown, Kilcock, Co. Kildare.
Title	Proposed Catchment Areas
Dwg. No.	S037-CSC-XX-XX-DR-C-0104
Date / Drn by / Chkd by / Aprvd by / Scale / Revision	FEB 2021 / DF / OS / OS / 1:500 @ A0 / P1

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