



CATCHMENT D INFILTRATION BASIN
 MAXIMUM DEPTH 1m.
 BASE AREA APPROXIMATELY 450m²
 MAX 1 IN 3 SIDE SLOPES.
 SUPPLEMENTARY BELOW GROUND STORAGE PROVIDED BY APPROX 800m³ OF CELLULAR SOAKAWAY TANKS SITED UNDERNEATH POS AREAS AND FURTHER STORAGE FROM PERMEABLE PAVING SUBBASE.

MAIN SPINE ROAD AND SIDE STREETS ALIGNED BY A NETWORK OF SWALES AND RAINGARDENS TO ASSIST WITH TREATMENT AND INTERCEPTION OF HIGHWAY RUNOFF.

CATCHMENT A ATTENUATION POND
 MAXIMUM DEPTH 1m.
 BASE AREA APPROXIMATELY 1,170m². MAX 1 IN 3 SIDE SLOPES. SUPPLEMENTARY BELOW GROUND STORAGE PROVIDED BY APPROX 1440m³ OF CELLULAR SOAKAWAY TANKS SITED UNDERNEATH POS AREAS AND FURTHER STORAGE FROM PERMEABLE PAVING SUBBASE.

CATCHMENTS CASCADES FROM C TO B TO A. THE SITE DRAINS VIA A RESTRICTED DISCHARGE TO THE SULLY BROOK.











LARGER ROOF AREAS TO CONSIDER GREEN ROOF SYSTEMS TO ASSIST WITH INTERCEPTION AND DELAY PEAK RUNOFF REDUCING DOWNSTREAM ATTENUATION REQUIREMENTS.

CATCHMENT C ATTENUATION POND
 MAXIMUM DEPTH 1m.
 BASE AREA APPROXIMATELY 4,900m². MAX 1 IN 3 SIDE SLOPES.

CATCHMENT B ATTENUATION POND
 MAXIMUM DEPTH 1m.
 BASE AREA APPROXIMATELY 1,040m². MAX 1 IN 3 SIDE SLOPES. SUPPLEMENTARY BELOW GROUND STORAGE PROVIDED BY APPROX 1,020m³ OF CELLULAR SOAKAWAY TANKS SITED UNDERNEATH POS AREAS AND FURTHER STORAGE FROM PERMEABLE PAVING SUBBASE.

LARGER CAR PARK / EXTERNAL HARDSTANDING AREAS TO CONSIDER PERMEABLE PAVING TO ASSIST WITH INTERCEPTION AND TREATMENT OF RUNOFF.

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 CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE. ONLY FIGURED DIMENSIONS ARE TO BE WORKED FROM. DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO CAMBRIA CONSULTING LIMITED BEFORE PROCEEDING.
 THE CONTRACTOR IS TO REFER TO THE SPECIFICATION, FULL SCHEDULE OF RESIDUAL RISKS IN THE CONTRACT DOCUMENTATION AND ALSO TO INFORMATION FROM OTHER DESIGNERS, IN PARTICULAR THE M&E CONSULTANT REGARDING EXISTING LIVE SERVICES.
 THIS SYMBOL IS USED TO HIGHLIGHT INSTANCES OF RISK WITHIN THE CONSTRUCTION PROCESS.
 ALWAYS CHECK FOR LATER REVISIONS OF THIS DRAWING.

- KEY**
-  GREEN ROOF
 -  PARCEL WITH ASSUMED 10% PERMEABLE PAVING
 -  PERMEABLE PAVING
 -  RAINGARDENS & SWALES
 -  INFILTRATION BASIN
 -  ATTENUATION POND
 -  CATCHMENT A
 -  CATCHMENT B
 -  CATCHMENT C
 -  CATCHMENT D

P02	REVISED TO SUIT MASTERPLAN UPDATES.	JK	BW	BW
				30/06/22
P01	FIRST ISSUE FOR COMMENT	CP	BW	WJ
				15/03/19
Rev.	Description	By	Chk	App

Client:
Austin-Smith:Lord

Project:
UPPER COSMESTON FARM

Drawing Title:
SUSTAINABLE DRAINAGE STRATEGY CONCEPT

Drawing No.
CC1857 CAM ZZ XX SK C 52 0125

Project No.	Org.	Vol.	Level	Type	Dis.	Class	No.

Suitability Status: **PRELIMINARY** Scale @A1: 1:1250 Rev: **P02**

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