



Extent of undisturbed catchment draining to main sed basin, (including rugby club catchments and some Lowes Mt Road runoff as well as the internal catchments). Total Area = 13.77ha

Extent of disturbed area draining to main sediment basin via vegetated swale drains (assumed to be hardstand area only) = 6.63ha

NOTE: DRAWING IS TO SCALE AT 1:1750 TO FIT A1 OR A3 PAPER



Main Sediment Basin Sizing

Parameter	Value Assigned	Comment
Soil Hydrologic Group	C	Appendix F, moderate to high runoff potential, moderately fine clay loam etc.
Mean annual rainfall (mm)	800	744.8mm/year at Jenolan Caves rd station and 840.5 at Springbank Station, estimated interpolated value of 800mm/yr assumed
$R_{(75\%,5day)}$	22.50	
$C_v$	0.35	Appendix F Table F2, depends on soil hydraulic group and design rainfall depth
A	13.77 Ha	Total area draining to southern swale and therefore directed into main sed basin. Only 6.63Ha disturbed.
Settling Zone	1084.4m <sup>3</sup>	$S_z = A \times C_v \times R$
Storage Zone	542.2m <sup>3</sup>	50% of Settling zone.
Total required Volume	1626.6m <sup>3</sup>	Only approx 20% of the total proposed water quality pond will be required during construction as a sediment basin.
Total required volume if soil type D	2,323 m <sup>3</sup>	

NOTES:  
 LOT BOUNDARIES FOR CONSOLIDATION ARE NOT SHOWN ON THIS PLAN (FOR CLARITY) - REFER DA 04 CONSOLIDATION PLAN FOR DETAIL  
 REFER TO KEY PLAN FOR REFERENCES TO DOCUMENTATION OF NEW WORKS

TOTAL SITE AREA: 604,000m<sup>2</sup>

ISSUE	DESCRIPTION	DATE	DRAWN	AUTH
G	Construction Certificate	14-10-2021	DC	JB
F	Construction Certificate	23-04-2021	DC	JB
E	Construction Certificate	24-10-2019	DC	JB
D	Construction Certificate	30-01-2019	DC	JB
C	Construction Certificate	02-07-2018	JDG	VB
B	Construction Certificate	22-06-2018	JDG	VB
A	Construction Certificate	28-04-2017	JDG	TP

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PROJECT  
 PROPOSED PARTICLE BOARD MANUFACTURING PLANT & ADDITIONAL WORKS

LOCATION  
 124 LOWES MOUNT ROAD, OBERON  
 NEW SOUTH WALES

DRAWING  
 EROSION & SEDIMENT CONTROL PLAN  
 EXISTING APPROVED SITE PLAN

SCALE 1:1750 @ A1 OR 1:3500 @ A3	Stage <b>CC</b>
Project Number <b>2021/01</b>	Issue <b>G</b>
Drawing Number <b>CC 540</b>	