

REDUCTION RATIO: 1:125 AT A1			AMENDMENTS	BY	DATE	
DATUM: AUSTRALIAN HEIGHT DATUM	SURVEYED	I.M.		J.A.	28/06/2022	
CONTOUR INTERVAL: 0.25m (EX.) ORIGIN OF LEVELS: SSM42015	DESIGNED	J.A.	REVISION B - REVISION FOLLOWING COUNCIL REVIEW REVISION C - REVISION FOLLOWING COUNCIL REVIEW	J.A. J.A.	29/08/2022 03/10/2022	INCOR
RL 37.88	DRAWN	J.A.				P.O. B P.O. BOX 34
DATE OF PLAN : 28/06/2022	CHECKED	P.S.				



PRE DEVELOPMENT HARDSTAND/ROOF AREAS



PRE DEVELOPMENT PERVIOUS AREAS

DIRECTION OF RUNOFF

## NOTES:

- BOUNDARIES AND IMPROVEMENTS HAVE BEEN LOCATED WITH APPROXIMATE ACCURACY FOR THE PURPOSE OF THIS SURVEY.
  RELATIONSHIPS OF IMPROVEMENTS TO BOUNDARIES FOR FINANCIAL OR ANY OTHER
- PURPOSES SHOULD BE CONFIRMED BY FURTHER SURVEY BY A REGISTERED SURVEYOR.
- THE LOCATION OF UNDERGROUND SERVICES BETWEEN LOCATING MARKS SHOWN ON THIS PLAN IS INDICATIVE ONLY.
- IT IS CONTRACTORS RESPONSIBILITY TO LOCATE UNDERGROUND SERVICES BY CAREFUL HAND POT-HOLING PRIOR TO ANY EXCAVATION AND EXERCISE DUE CARE DURING THAT EXCAVATION

Pre development catchment breakdown (m²)									
	Draining direct to Princes Highway	Draining to Princes Highway via OSD	Total						
Pervious area (m2)	75	1649	1724						
Impervious area (m2)	688	603	1291						
Total area (m2)	763	2252	3015						
% of Site area	25%	75%							
% Pervious	9.8%	73.2%	57.2%						
% Impervious	90.2%	26.8%	42.8%						

## PRE DEVELOPMENT CATCHMENT BREAKDOWN

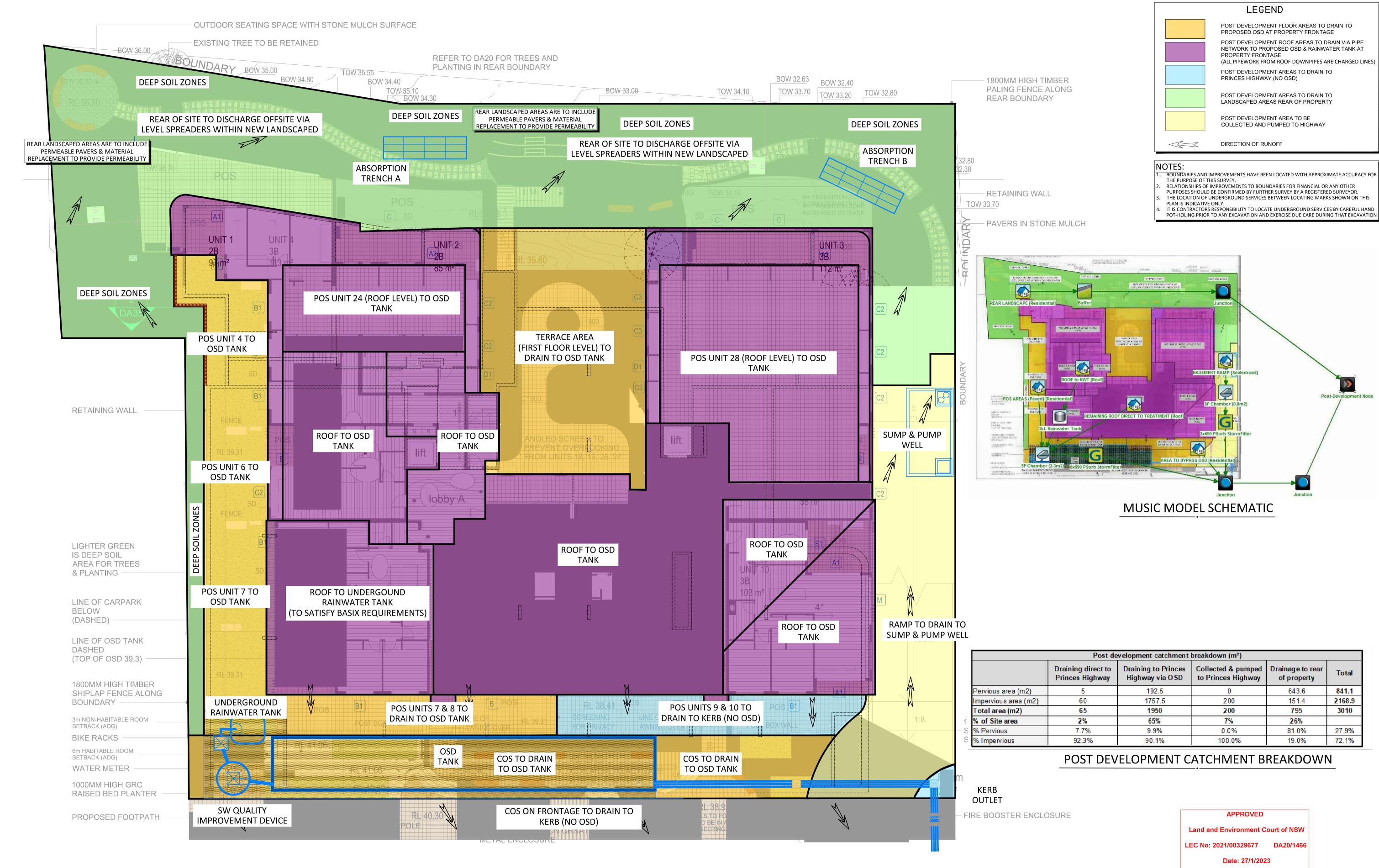
APPROVED Land and Environment Court of NSW LEC No: 2021/00329677 DA20/1466

Date: 27/1/2023

STORMWATER MANAGEMENT PRE-DEVELOPMENT STORMWATER CATCHMENT - LAYOUT PLAN FOR PROPOSED RESIDENTIAL DEVELOPMENT OVER LOTS 1 & 2 ON DP518702 AND LOT 3 ON DP523625

REFERENCE No. U18173									
DRAWING No. U18173_ENG.dwg									
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SHEET	1	OF	6	SHEETS					

CITY OF SHOALHAVEN



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SATE WEST R & G CREATIONS **RPORATING BULLOCK & WALTERS** . BOX 107, 266 GREEN STREET ULLADULLA NSW 2539 346, SUITE 6, 30 ORIENT STREET BATEMANS BAY NSW 2536 mail@rygateandwest.com.au 02 44542137

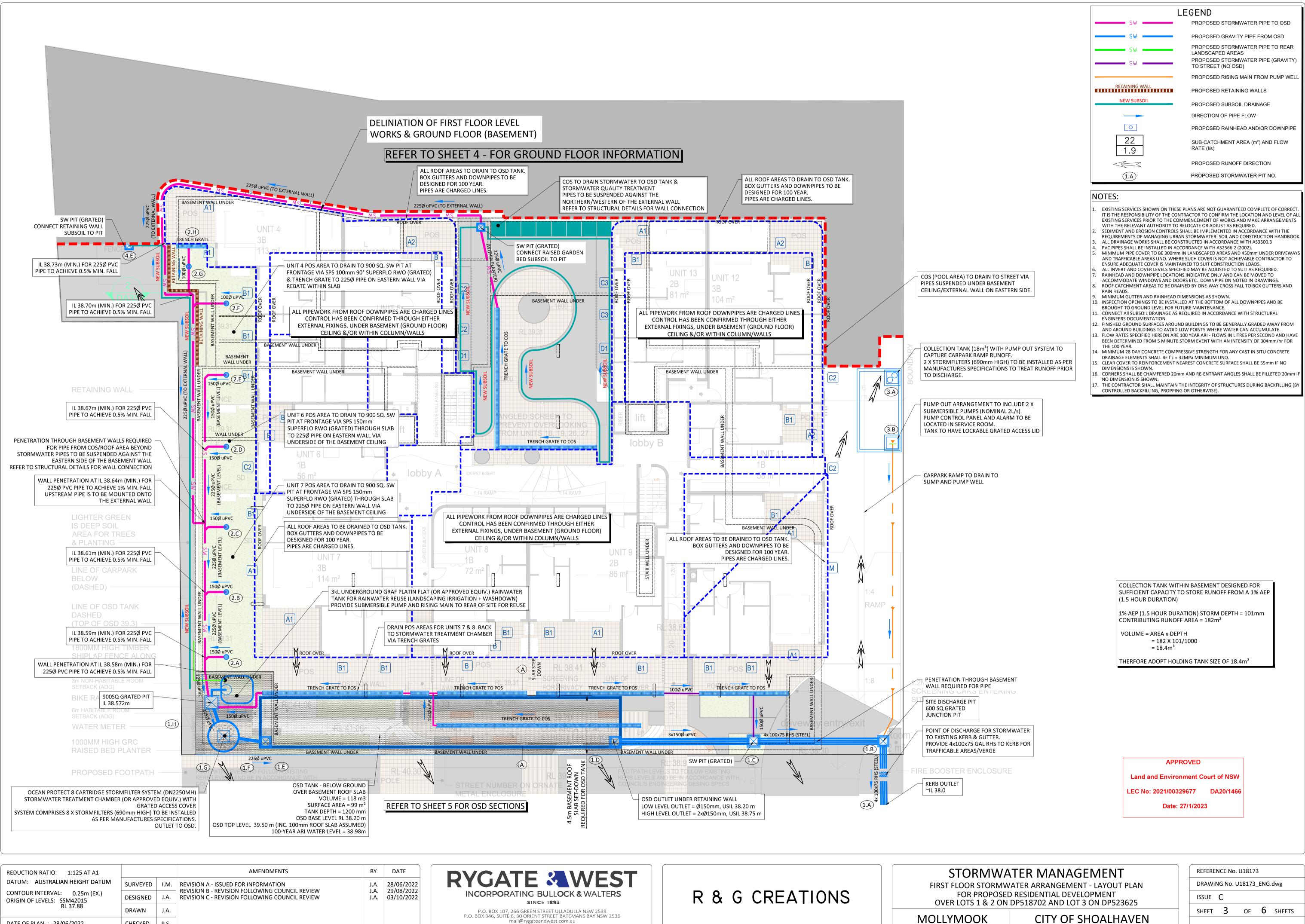
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STORMWATER MANAGEMENT POST-DEVELOPMENT STORMWATER CATCHMENT - LAYOUT PLAN FOR PROPOSED RESIDENTIAL DEVELOPMENT OVER LOTS 1 & 2 ON DP518702 AND LOT 3 ON DP523625

MOLLYMOOK

Post development catchment breakdown (m <sup>2</sup> )									
Draining direct to Princes Highway	Draining to Princes Highway via OSD	Collected & pumped to Princes Highway	Drainage to rear of property	Total					
5	192.5	0	643.6	841.1					
60	1757.5	200	151.4	2168.9					
65	1950	200	795	3010					
2%	65%	7%	26%						
7.7%	9.9%	0.0%	81.0%	27.9%					
92.3%	90.1%	100.0%	19.0%	72.1%					

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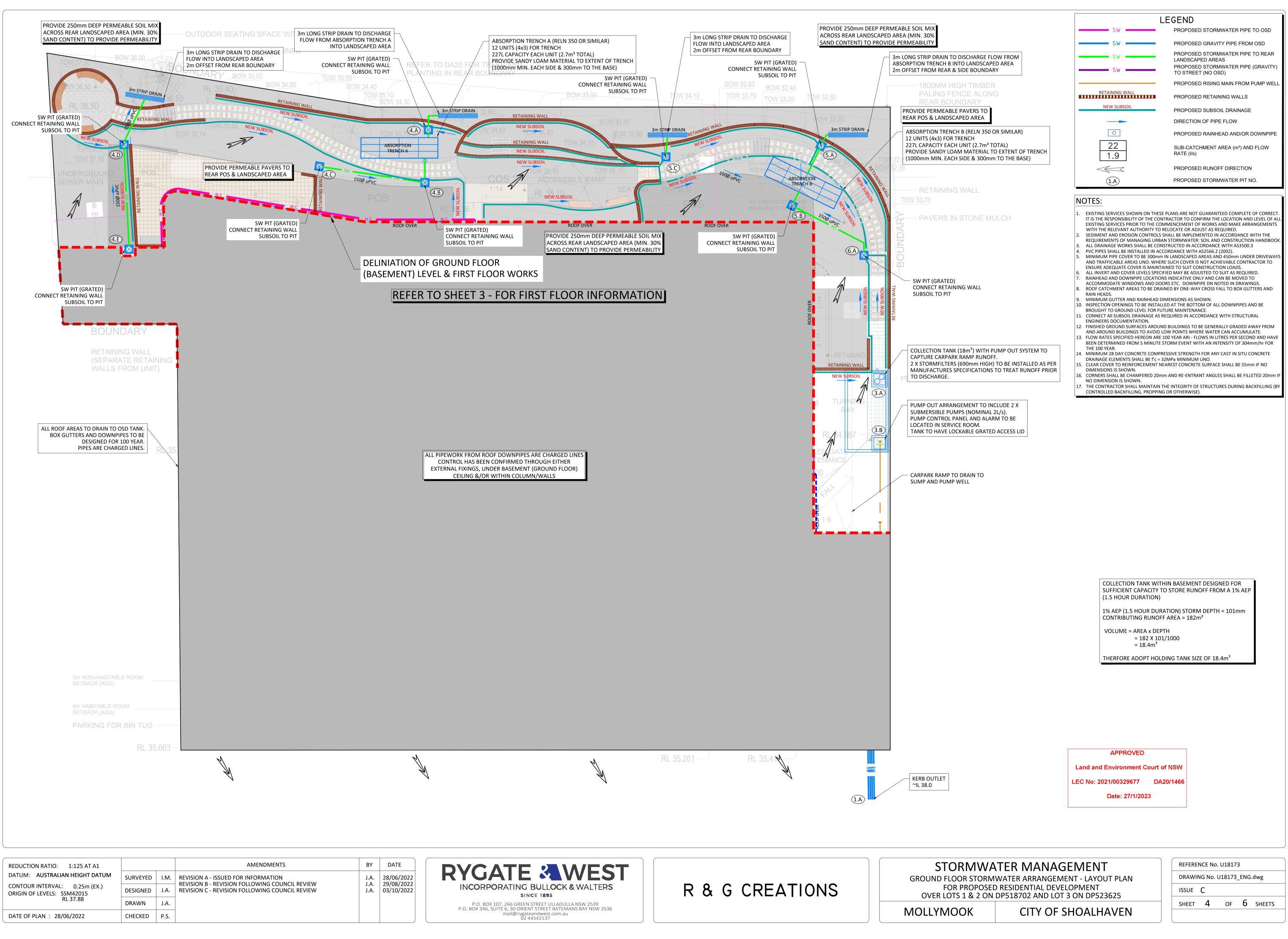
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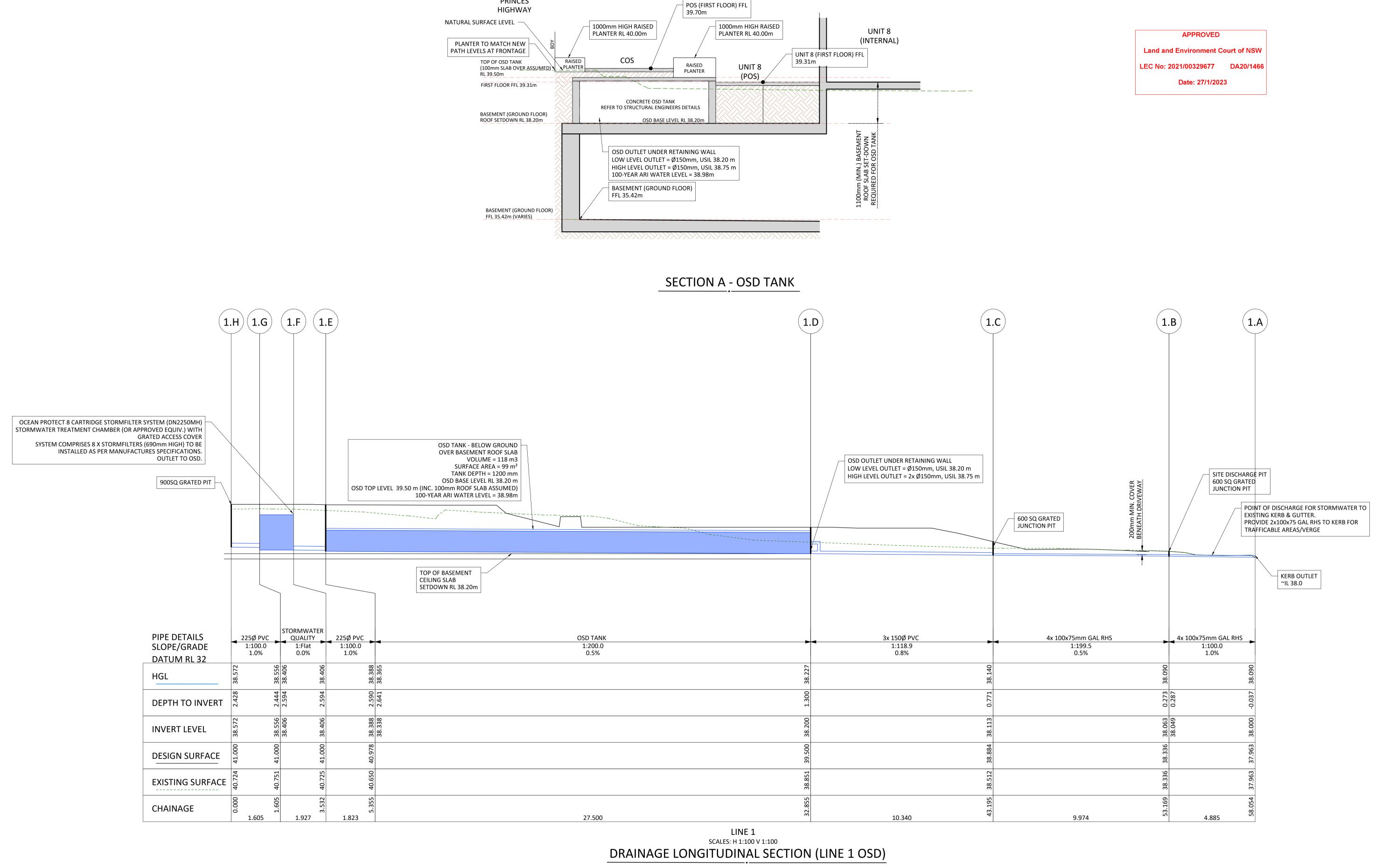
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1WATER ARRANGEMENT - LAYOUT PLAN
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ON DP518702 AND LOT 3 ON DP523625

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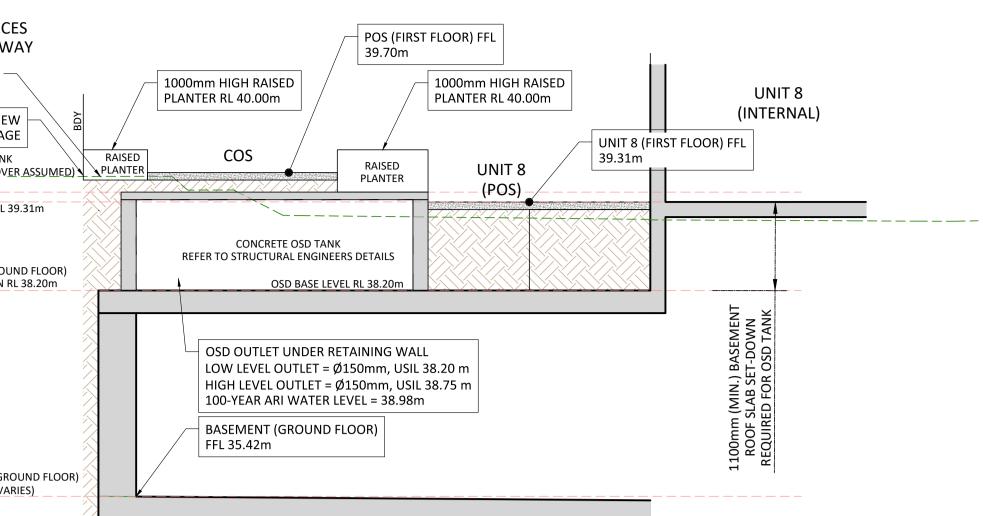


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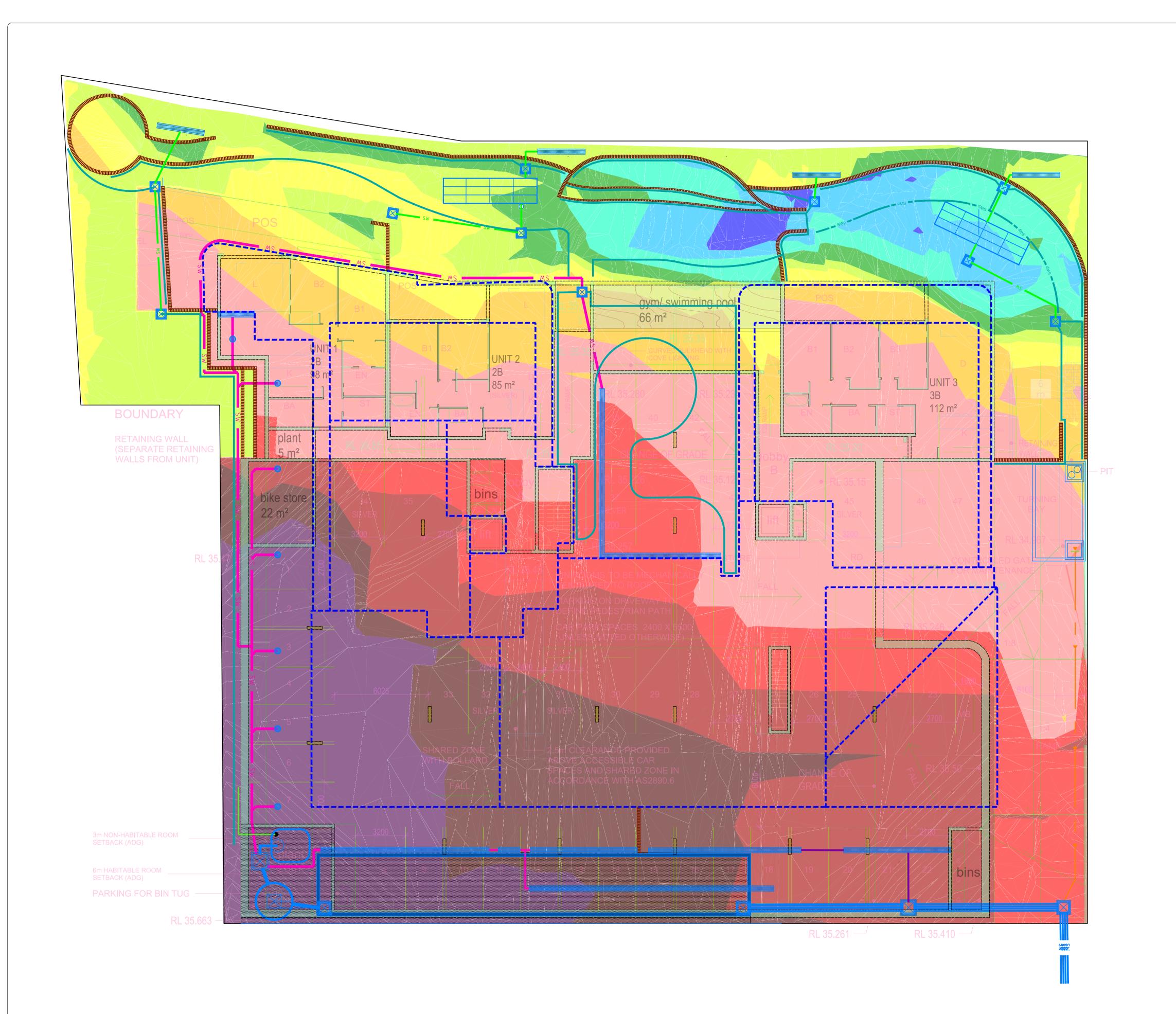
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STORMWATER MANAGEMENT DRAINAGE LONGITUDINAL SECTION (LINE 1) & SECTIONS FOR PROPOSED RESIDENTIAL DEVELOPMENT OVER LOTS 1 & 2 ON DP518702 AND LOT 3 ON DP523625



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EATIONS STORIVIVA BULK EARTI FOR PROPOSED OVER LOTS 1 & 2 ON E MOLLYMOOK

R & G CREATIONS

## FILLING NOTES

Geotechnical Investigations have been undertaken on 7th December 2021 by Fortify Geotech Pty Ltd. Refer to the Geotechnical Investigation Report (Reference AB/S1398) for methodology associated with the filling of the site.

Lots to be filled shall be graded with an absolute minimum grade of 0.5%. Filling is to be of sound clean material, reasonable standard and free from large rock, stumps, organic matter and other debris.

Placing of filling on the prepared areas shall not commence until the authority to do so has been obtained from Council.

All work shall be in accordance with AS3798. Fill is to be placed in layers not exceeding 150m compacted thickness. All fill is to be compacted to 95% standard maximum dry density. Maximum particle size shall be 2/3 of the layer thickness.

Level 1 Supervision is to be performed for the duration of the filling works and certification confirming satisfactory compaction and placement of the fill.

Fill comprising natural sands or industrial wastes or by-products will be accepted by Council only in approved locations and will be subject to specific requirements determined by prevailing conditions.

It is essential that prior advice be given of intended use of such materials. It should be noted that failure to obtain Council's approval may lead to an order for removal of any material considered by Council or other relevant authorities as unsuitable or in any way unfit for filling.

All areas where filling has been placed are to be dressed with clean arable topsoil, fertilised and sown with suitable grasses.

CUT / FILL DEPTH RANGES					
No.	From Depth	To Depth	Colour		
1	-6.000 Cut	-5.000 Cut			
2	-5.000 Cut	-4.000 Cut			
3	-4.000 Cut	-3.000 Cut			
4	-3.000 Cut	-2.000 Cut			
5	-2.000 Cut	-1.000 Cut			
6	-1.000 Cut	-0.500 Cut			
7	-0.500 Cut	-0.100 Cut			
8	0.100 Fill	0.500 Fill			
9	0.500 Fill	1.000 Fill			
10	1.000 Fill	1.500 Fill			
11	1.500 Fill	2.000 Fill			
12	2.000 Fill	2.500 Fill			

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### STORMWATER MANAGEMENT BULK EARTHWORKS - LAYOUT PLAN FOR PROPOSED RESIDENTIAL DEVELOPMENT OVER LOTS 1 & 2 ON DP518702 AND LOT 3 ON DP523625

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LOT DATE: 3/10/2022