



	DRAINAGE REQUIREMENT TO W.C POLICYSITE AREA= 734 m2SITE COVERAGE AREA= 313 m2SITE COVERAGE= 43 %		
		ON-SITE DETENTION IS REQU	IRED
	AREA IMPER PERVI AREA	ROUTED THROUGH OSD VIOUS AREA OUS AREA BYPASSING OSD	= 253 m2 = 205 m2
	IMPER PERVI	VIOUS AREA OUS AREA	= 60 m2 = 205 m2
	OSD V RAINW OSD T TOTAL	OLUME REQUIRED /ATER TANK (PER BASIX) ANK VOLUME STORAGE . VOLUME STORAGE	= 7.30 m3 = 3.00 m3 = 8.00 m3 = 11.0 m3
	PRE-D PROP LIMITE UNCO	EVELOPED DISCHARGE OSED ST.STEEL ORIFICE Ø D DISCHARGE THRU OSD NTROLLED FLOW	= 33.0 L/s = 95 mm = 18.0 L/s = 15.0 L/s
29.03 29		OSD PARAMATERS DETERMI WITH 'DRAINS'. FILE IS AVAIL/ FOR REVIEW. EMAIL REQUEST admin@alwdesign.com.au	NED ABLE ED TO:
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31.11			
	-		
$\overline{\sqrt{n}}$			
31.96			
32			
$M \leq 1$			
	ECT: PRO # 23	POSED RESIDENTIAL DWELLING A 1-233 MCCARRS CREEK RD, CHUR	AT LOTS 34+35, CH POINT NSW
MAND DESIG	VING: ROC GNED DRAWN N N.W	HE LAYOUI & GENERAL DETAILS CHECKED: ANDREW L WAHBE DRAWINGS NOT TO BE LISED FOR CONSTRUCTION UNLESS SU	
	ISSU	JED FOR DEVELOPMENT APPLICATION	12/08/22 APPR. DATE



Appendix 16 – On-site Detention Checklist

This checklist is to be used to determine the on-site stormwater disposal requirement for developments and must be completed and included with the submission of any development application for these works. Please read this form carefully for its notes, guidelines, definition and relevant policies.

For assistance and support, please contact Council's Development Engineering and Certification team on 1300 434 434.

Part 1 Location	of the Property	SW22252	
House Humber	231-233	Legal Property Description	
Street	MCCARRS CREEK RD	Lot 34+35	
Suburb	CHURCH POINT	Section	
Postcode		DP 20097	

Part 2 Site Details					
Northern Beaches Stormwater Regions (refer to Map 2 of Northern Beaches Council's Water Management for Development policy)	1	Total Site Area	734		
Pre-Development Impervious Area	0	Post-Development Impervious Area	313		
Is the site of the development located with referred to Council's Local Environmental	Yes 🗆 No 🗹				
If yes, On-site stormwater Detention system (OSD) is not required and please proceed to part 5 of this checklist If no, please proceed to part 3 of this checklist.					

Part 3: Northern Beaches Stormwater Regions

(refer to Map 2 of Northern Beaches Council's Water Management for Development policy)

If the site of the development located within Region 1, please proceed to the part 4.1 of this checklist

If the site of the development located within Region 2, please proceed to the part 4.2 of this checklist

If the site of the development located within Region 3, please proceed to the part 4.3 of this checklist

If the site of the development located within Region 4, please refer to Council's Warriewood Valley Water Management Specification.



Part 4 Determination of OSD Requirements

Part 4.1 Northern Beaches Stormwater Region 1

Is the additional impervious area of the development more than 50 $\rm m^2\,on\,a$ cumulative basis since February 1996?

Yes 🗹 No 🗆

If yes, OSD is required and please refer to section 9.3.1 of Council's Water Management for Development Policy

If no, OSD is not required and please proceed to the part 5 of this checklist

Part 4.2 Northern Beaches Stormwater Region 2 Part 4.2.1 Description of Work Residential flat building, commercial, industrial, multiple occupancy development and subdivisions resulting in the creation of three lots or more, will require OSD in all case. Please provide a design in accordance with the section 9.3.2 of Council's Water Management for Development Policy. Any single residential building development, please proceed to part 4.2.2 of this checklist. Part 4.2.2 Exemption Is the site area less than 450m²? Yes 🗆 No 🗆 Does the site of the development drain directly to the ocean without the need Yes 🗆 No 🗆 to pass through a drainage control structure such as pipe, bridge, culvert, kerb and gutter or natural drainage system? Is it an alternation and addition development to the existing dwellings? Yes 🗆 No 🗆 If yes to any of the above questions, OSD is not required. If no to all the above questions, proceed to part 4.2.3 Part 4.2.3 Determination of OSD Requirements Calculation a) Site area m² x 0.40 (40%) = m² b) Post- development impervious area = m² OSD will not be required when (a) is greater than (b) Is OSD required for this development (tick one only) Yes 🗆 No 🗆 If yes, provide a design in accordance with the section 9.3.2 of Council's Water Management for Development Policy. If no, OSD is not required and please proceed to part 5 of this checklist.



Part 4.3 Northern Beaches Stormwater Region 3

Part 4.3.1 Stormwater Zone

In the region, the method of stormwater control to be applied shall depend on the location of the site. Please refer to Map 3 of Northern Beaches Council's Water Management for Development policy.

If the site of the development located within stormwater zone 1, please proceed to the part 4.3.2 of this checklist

If the site of the development located within stormwater zone 2, please provide a design in accordance with the section 9.3.3.3 of Council's Water Management for Development Policy.

If the site of the development located within stormwater zone 3, please provide a design in accordance with the section 9.3.3.4 of Council's Water Management for Development Policy.

If the site of the development located within stormwater zone 4, please provide a design in accordance with the section 9.3.3.5 of Council's Water Management for Development Policy.

Part 4.3.2 Determination of OSD requirements in Stormwater Zone 1

Part 4.3.2.1 For A New Building				
1) Exemption	a) Is the site area less than 400? Yes □ No □ b) Is the post-development impervious area less than 190 m²? Yes □ No □			
	If yes to both questions, OSD is not required. If no to any of the above questions, please process to calculation			
2) Calculation	a) Site aream ² x 0.35 =m ² + 50 =m ² b) Post- development impervious aream ²			
	OSD will not be required when (b) is less than 250 m ² and (a) is greater than (b) Is OSD required for this development? Yes \Box No \Box			
	If yes, provide a design in accordance with the section 9.3.3.2 of Council's Water Management for Development Policy. If no, OSD is not required and please proceed to part 5.			
Part 4.3.2.2 For Alterations and Additions				
If the current imper Alternatively, pleas	vious area of the site is more than 60% of the site area, OSD will be required. The proceed to the next calculation section.			
1) Calculation	Is the post development impervious area increased by less than 50 m ² ? Yes \Box No \Box Is the post development impervious area less than 60% of the site area? Yes \Box No \Box			

If yes to both questions, OSD is not required.
If no to any of the above questions, provide a design in accordance with section
9.3.3.2 of Council's Water Management for Development Policy



Part 5 Disposal of Stormwater

Does the site fall naturally towards the street?

Yes 🗆 No 🗆

If yes, provide a design in accordance with section 5.1 of Council's Water Management for Development Policy.

If no, provide a design in accordance with section 5.5 of Council's Water Management for Development Policy.

Definitions			
Designed to help you fill out this application	Site area: This refers to the area of the land bounded by its existing or proposed boundaries. Impervious area: This refers to driveways, parking spaces, pathways, paved areas, hardstand areas, roofed areas, garages and outbuildings. Pre Development Impervious area: This refers all impervious areas of the site before the development. Post Development Impervious areas: This refers all the impervious areas within the site after the development is completed.		