

S.L.

E.E.L

SURFACE LEVEL

FINISHED FLOOR LEVEL

INVERT LEVEL

CONFIRMED BY BUILDER PRIOR TO COMMENCEMENT

11) ALL WORKS TO BE CONSTRUCTED TO GOOD BUILDING

10) BUILDERS TO ENSURE SERVICES CONNECTIONS TO HOUSE DO

PRACTICE & MATERIALS TO MEET ACCEPTED SPECIFICATIONS

NOT CONFLICT WITH DRAINAGE DESIGN REQUIREMENTS.

OF WORKS.

6) NO SEWER VENTS, GULLY PITS OR SIMILAR TO BE LOCATED

) PERSONS UTILISING THIS PLAN FOR ANY PURPOSES SHALI

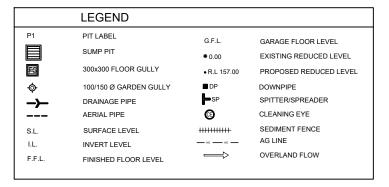
VERIFY THE DATUM & RESPECTIVE LEVELS PRIOR TO

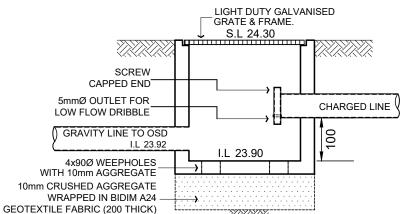
BELOW THE MAXIMUM WATER SURFACE LEVEL IN DETENTION

STORMWATER LAYOUT NOTES

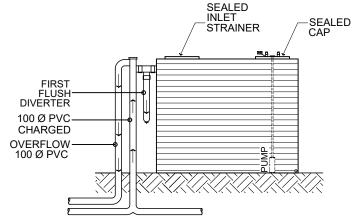
- 1) PITS DEEPER THAN 600mm TO BE 600 X 900 W. ELSE
- 2) ALL PIPES TO HAVE 1% MIN. GRADE U.N.O.
- 3) ALL DOWNPIPES TO BE 100 X 50 BOX or 90 Ø.
- 4) PIPES TO BE U.P.V.C. OR STORMWATER PIPE TO A.S.1254.
- 5) PITS TO BE STANDARD PRECAST CONCRETE PITS OR BRICK RENDERED WITH CONCRETE HEAVY DUTY GRATES SIZED AS PITS PER PLAN.
- 6) NO SEWER VENTS, GULLY PITS OR SIMILAR TO BE LOCATED BELOW THE MAXIMUM WATER SURFACE LEVEL IN DETENTION
- 7) PERSONS UTILISING THIS PLAN FOR ANY PURPOSES SHALL VERIEV THE DATUM & RESPECTIVE LEVELS PRIOR TO

- COMMENCING ANY WORKS & NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- 8) DRIVEWAY LEVELS PROVIDED FOR DRAINAGE DESIGN PURPOSES ONLY, LEVELS MAY BE ADJUSTED TO SUIT FINAL HOUSE CUT/FILL CONDITIONS BUT NEED TO MAINTAIN INTENT OF DRAINAGE SYSTEM. ENGINEER TO BE CONSULTED PRIOR TO CONSTRUCTION TO ENSURE INTENT MAINTAINED.
- 9) END OF EXISTING DRAINAGE LINE TO BE EXPOSED & LEVELS CONFIRMED BY BUILDER PRIOR TO COMMENCEMENT OF WORKS.
- 10) BUILDERS TO ENSURE SERVICES CONNECTIONS TO HOUSE DO NOT CONFLICT WITH DRAINAGE DESIGN REQUIREMENTS.
- 11) ALL WORKS TO BE CONSTRUCTED TO GOOD BUILDING
- PRACTICE & MATERIALS TO MEET ACCEPTED SPECIFICATIONS.





PIT CO1 - 350x350 **CLEAN-OUT PIT** FOR CHARGED LINE SYSTEMS



RAINWATER TANK CONFIGURATION

BY DESIGNER TANKS NOTE: SYSTEM TO BE FULLY SEALED



SEDIMENT FENCE

OVERLAND FLOW

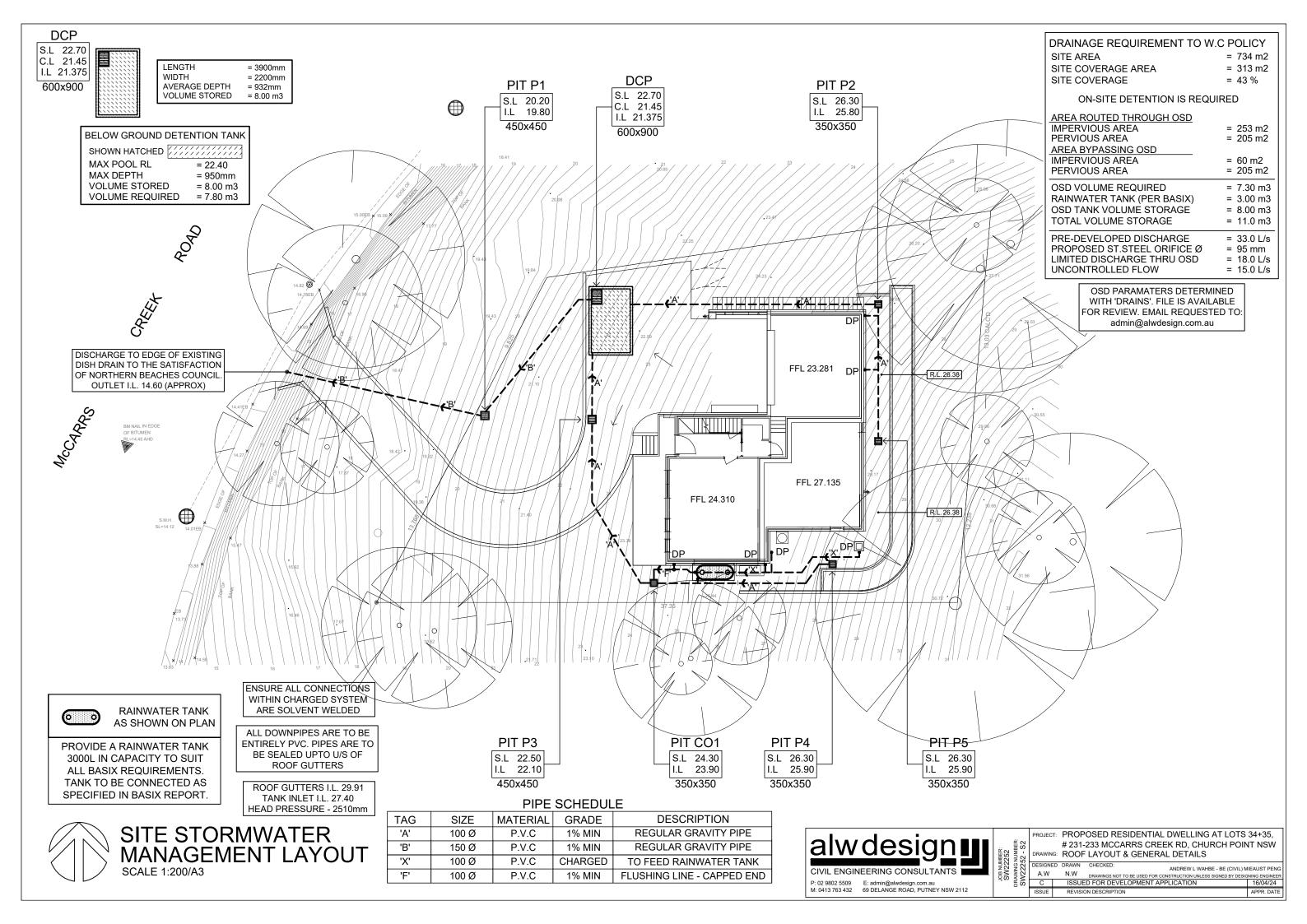
AG LINE

 \Longrightarrow

M: 0413 763 432 69 DELANGE ROAD, PUTNEY NSW 2112

ROJECT: PROPOSED RESIDENTIAL DWELLING AT LOTS 34+35, # 231-233 MCCARRS CREEK RD, CHURCH POINT NSW DRAWING: SITE STORMWATER MANAGEMENT LAYOUT DESIGNED DRAWN CHECKED:

A.W N.W ISSUED FOR DEVELOPMENT APPLICATION 16/04/24 REVISION DESCRIPTION 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 within an established Flood Prone Land as referred to Council's Local Environmental Plans?			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 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 450m ² ?		Yes □ No □	
Does the site of the development drain directly to the ocean without the need 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%) =		
OSD will not be required when (a) is greater than (b) Is OSD required for this development (tick one only) Yes □ No □		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 Yes □ No □ 1) Exemption a) Is the site area less than 400? Yes □ No □ b) Is the post-development impervious area less than 190 m²? If yes to both questions, OSD is not required. If no to any of the above questions, please process to calculation $_{\rm m^2} \times 0.35 = _{\rm m^2} + 50 = _{\rm m^2}$ 2) Calculation a) Site area b) Post- development impervious area ___ OSD will not be required when (b) is less than 250 m² and (a) is greater than (b) Is OSD required for this development? Yes □ No □ 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 impervious area of the site is more than 60% of the site area, OSD will be required. Alternatively, please proceed to the next calculation section. 1) Calculation Is the post development impervious area increased by less than 50 m²? Yes \square No \square 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 Co Policy. If no, provide a design in accordance with section 5.5 of Co 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.