



- ### STORMWATER DRAINAGE STRATEGY
- ALL GUTTERS & DOWNPIPES ARE DESIGNED TO ACCEPT A 1:20 YEAR AIR STORM EVENT
 - ROOF GUTTERS & DOWNPIPES ARE DESIGNED TO ACCEPT A 1:100 YEAR AIR STORM EVENT
 - ALL PIPES & PITS ARE DESIGNED TO ACCEPT A 1:20 YEAR AIR STORM EVENT
 - DESIGN RAINFALL INTENSITIES:
 - 1:20 YEAR, 5.8Mh - 251 mm/h
 - 1:100 YEAR, 5.8Mh - 318 mm/h
 - ALL PIPES MUST HAVE A MIN. 1% FALL, UNO
 - ALL STORMWATER FLOWPIPS IS CONNECTED TO A SODD PRIOR TO EXITING THE SITE.
 - ON-SITE DETENTION HAS BEEN PROVIDED FOR THE DEVELOPMENT AS PER COUNCIL'S REQUIREMENTS
 - STORMWATER QUALITY MEASURES HAVE BEEN IMPLEMENTED DOWNSTREAM TO MEET COUNCIL'S REQUIREMENTS OF REDUCING POST DEVELOPMENT RUNOFF POLLUTION LOADS BY PRE-DETERMINED AMOUNTS

ON-SITE DETENTION DESIGN SUMMARY

TOTAL SITE AREA = 7,099 m²
 PRE-DEVELOPMENT IMPERVIOUS AREA = 0 m² (0.00% OF SITE)
 POST DEVELOPMENT IMPERVIOUS AREA = 2,481 m² (35%)
 TOTAL SITE DRAINAGE TO OSD = 100%
 TOTAL OSD VOLUME PROVIDED = 470 m³
 GROUND PILE DIAMETER = 800 mm (LOCATION AS NOTED ON PLAN)

PRE & POST DEVELOPMENT FLOWS

	2 YEAR AIR	10 YEAR AIR	20 YEAR AIR	100 YEAR AIR
PRE-DEVELOPMENT FLOW (L/s)	119	265	332	544
POST-DEVELOPMENT FLOW (L/s)	52	81	85	108
STORAGE REQUIRED (m ³)	258	340	388	400

STORMWATER DRAINAGE PLAN

1:200

ALL DRAINAGE LINES SHALL BE (UPVC CLASS SH) STORMWATER DRAINAGE PIPE UNO
 ALL DRAINAGE LINES SHALL BE LAD @ 0.5% FALL MIN. UNO
 FIRST FLOOR RAINWATER DOWNPIPES TO BE FITTED TO DRAINAGE LINES TO SUBSIDIARY DETAIL, TYPICAL
 MINIMUM EFFECTIVE CHAIRS OUTTER SIDE = 2650mm
 MINIMUM EFFECTIVE CHAIRS OUTTER BLOPE = 1:50
 THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED
 DP = 800mm DOWNPIPE
 SP = SURFACE BLEET PIT (NO LUMES)
 BDI = ROOF GUTTER
 [Symbol] = PROPOSED FINISHED SURFACE LEVEL
 [Symbol] = DENOTES WET SWAMP PIT - REFER TO TYPICAL DETAIL
 [Symbol] = DENOTES WATER SUPPLY PIPE TO WET SWAMP PITS

DELFS LASCELLES

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THE WORK AS EXECUTED INFORMATION SHOWN IN RED ON THIS PLAN RELATES TO THE AS BUILT LEVELS OF STORMWATER AS SURVEYED ON 5 MAY 2020

MITCHELL A. WARWICK
 REGISTERED LAND SURVEYOR UNDER THE SURVEYING & SPATIAL INFORMATION ACT, 2010

07 MAY 2020

ORIGIN OF LEVELS: SSM 116381 RL:4.372 (AHD)
 CLASS: LD, ORDER: 4, DATED: 30/08/2019
 OUR REF: 19526

FOR CONSTRUCTION

B	15-11-19	ISSUES FOR CONSTRUCTION					
A	30-10-19	ISSUES FOR APPROVAL					
REVISION	DATE	AMENDMENT DESCRIPTION					

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PROPOSED DEVELOPMENT
 130 Connaught Rd, Kooragang
 For Brown Commercial Building

STORMWATER DRAINAGE PLAN

DESIGN SHEET	DRAWN BY	DATE	PROJECT NO.
04003	[Signature]	OCT 2019	9835
CHECKED	APPROVED	SCALE	DRAWN
		1:200	C04 - B