



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 MM - 251 mm/hr
1:100 YEAR, 5 MM - 318 mm/hr
- ALL PIPES MUST HAVE A MIN. 1% FALL, UNLESS OTHERWISE SPECIFIED
- ALL STORMWATER FLOWPIPS ARE 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 (35.0%)
 TOTAL SITE DRAINAGE TO ODD = 100%
 TOTAL ODD VOLUME PROVIDED = 470 m³
 GROUND PILE DIAMETER = Ø100 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 UNLESS OTHERWISE SPECIFIED.
 ALL DRAINAGE LINES SHALL BE LAD @ 0.5% FALL MIN. UNLESS OTHERWISE SPECIFIED.
 FIRST FLOOR RAINWATER DOWNPIPES TO BE FITTED TO DRAINAGE LINES TO SUBSIDIARY DETAIL, TYPICAL.
 MINIMUM EFFECTIVE CHAIRS OUTTER SIDE = Ø450 mm
 MINIMUM EFFECTIVE CHAIRS OUTTER BLORE = 1:50
 THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED:
 DP = DOWNPIPE
 SP = SURFACE BLEET PIT (NO LUMES)
 BGP = ROOF GUTTER
 WSP = PROPOSED FINISHED SURFACE LEVEL
 WWP = DENOTES WET SWAMP PIT - REFER TO TYPICAL DETAIL
 WSP = DENOTES WATER SUPPLY PIPE TO WET SWAMP PITS

DELFS LASCELLES

CONSULTING SURVEYORS

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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

M. Warwick

OUR REF: 19526

FOR CONSTRUCTION

B	15-11-19	ISSUES FOR CONSTRUCTION					
A	20-10-19	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.
04/2020	M.A.W.	OCT 2019	9835
CHECKED	APPROVED	SCALE	DRAWN
		1:200	C04 - B