



- ### 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 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 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 = Ø450 mm
 MINIMUM EFFECTIVE CHAIRS OUTTER BLORE = 1:50
 THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED
 DP = Ø150 DOWNPIPE
 SP = SURFACE BLEET PIT (NO LUMES)
 BGP = ROOF GUTTER
 BGP = PROPOSED FINISHED SURFACE LEVEL
 W = DENOTES WET SWAMP PIT - REFER TO TYPICAL DETAIL
 W = DENOTES WATER SUPPLY PIPE TO WET SWAMP PITS

DELFS LASCELLES

CONSULTING SURVEYORS

280 MONTLAND ROAD,
MAYFIELD NSW 2208
PHONE: 28 140 258 100

T: (02) 4884 4886
E: info@delfslascelles.com.au
www.delfslascelles.com.au

MITCHELL A. WARWICK

REGISTERED LAND SURVEYOR UNDER THE SURVEYING & SPATIAL INFORMATION ACT, 2010

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

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 | | | | | |

ECLIPSE | CONSULTING ENGINEERS

ECLIPSE Consulting Engineers Pty Ltd is the owner of the copyright extending interest. Any use, reuse, distribution, reproduction, or modification of this document without the express written permission of ECLIPSE Consulting Engineers Pty Ltd is prohibited.

PROPOSED DEVELOPMENT

130 Conner Rd, Kooragang
 For Brown Commercial Building

STORMWATER DRAINAGE PLAN

| | | | |
|---------|----------|----------|-------------|
| DESIGN | DRAWN | DATE | PROJECT NO. |
| DWG1 | MCL | OCT 2019 | 9835 |
| CHECKED | APPROVED | SCALE | DRAWN |
| | | 1:200 | C04 - B |