



LEGEND:

$\times 50.43$	EXISTING SURFACE LEVEL (mAHD)
— SW —	STORMWATER PIPE (MIN $\phi 100$ uPVC @ 1% UNO)
■ RH1 • DP	DOWNPIPE LOCATION. REFER TO SCHEDULE FOR GUTTER, DOWNPIPE AND RAINHEAD SIZING.
	CONCRETE/PAVED (IMPERVIOUS) SURFACE
	GREEN ROOF GARDEN/COLORBOND ROOF (IMPERVIOUS) SURFACE

NOTES:

- ALL DIMENSIONS TO BE CONFIRMED ON SITE. LEVELS AND SITE LAYOUT BASED ON ARCHITECTURAL PLANS BY BAWTREE DESIGN (DATED 23 JULY 2019) AND SITE SURVEY BY TOTAL SURVEYING SOLUTIONS (DATED 13 DECEMBER 2018).
- LOCATION OF ALL SERVICES MUST BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.
- ALL STORMWATER DRAINAGE PIPES AND ASSOCIATED DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH RELEVANT STANDARDS, THE BUILDING CODE OF AUSTRALIA, MANUFACTURER'S RECOMMENDATIONS, SYDNEY WATER AND LOCAL COUNCIL REQUIREMENTS, AS APPLICABLE.
- ALL INVERT LEVELS PROVIDED ON THIS DRAWING ARE REDUCED TO AHD AND BASED ON INTERPOLATED SURFACE LEVELS AND SYSTEM REQUIREMENTS.
- PROVIDE MIN 25mm ANNULAR SPACE AROUND PIPEWORK CUT THROUGH FOOTINGS OR WALLS AND FILL SPACE WITH FLEXIBLE LINER. PROVIDE TWO FLEXIBLE JOINTS IN PIPEWORK AT 300mm AND 700mm FROM FACE OF FOOTING OR WALL. PENETRATIONS BELOW SURFACE LEVEL TO BE SEALED AND MADE WATERTIGHT.
- GUTTER AND DOWNPIPE DESIGN MAY BE VARIED IN ACCORDANCE WITH AS3500.

SITE CALCULATIONS

SITE AREA	970m ²
EXISTING IMPERVIOUS COVERAGE	282m ² (29%)
PROPOSED IMPERVIOUS COVERAGE	582m ² (60%)

GUTTER & DOWNPIPE SCHEDULE

DESIGNATION	DESIGN FLOW	EAVES GUTTER	BOX GUTTER		RAINHEAD SUMP		DOWNPIPE
		MIN EFF XS AREA	WIDTH	MIN HEIGHT	MIN DIM'N	MIN DEPTH	
DP	<1 L/s	3,500mm ²	—	—	—	—	$\phi 65$
RH1	6 L/s	—	300	120	360 x 140	160	$\phi 100$
RH2	8 L/s	—	300	130	400 x 170	190	100 x 100
RH3	<3 L/s	—	—	—	200 x 100	120	$\phi 90$

* ALL GUTTERS TO HAVE MIN 1:200 FALL TO RAINHEAD/DOWNPipe

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A	ISSUED FOR DEVELOPMENT APPROVAL	KW	KW	02.08.19
ISSUE	DESCRIPTION	BY	APR	DATE

CHARTERED PROFESSIONAL ENGINEERS:



Waddington Consulting Pty Ltd
ACN 130 522 851
Structural and Civil Engineering Consultants
Suite 6, Level 5, 22 Central Avenue Manly NSW
P.O. Box 1044 Manly NSW 1655
Phone (02) 9976 0070 Fax (02) 9976 0095
Email enquiries@wadconsulting.com

PROJECT:

PROPOSED ALTERATIONS & ADDITIONS
at: 20 FISHER STREET, BALGOWLAH
for: M & C BRADLEY

DRAWING TITLE:

STORMWATER MANAGEMENT PLAN

DESIGN: K.W.

DATE: JUL 2019

DRAWN: K.W.

SCALE: 1:200

FILENAME: 11635-C1.00 (A).DWG

SIGNED:

SIZE

A3

REV

11635-C1.00

A