



LEGEND:

SW	STORMWATER PIPE, MIN Ø100 uPVC
3.5	EXISTING SURFACE CONTOUR (mAHD)
7.75	EXISTING SURFACE LEVEL (mAHD)
EDP	EXISTING DOWNPIPE FROM EAVES GUTTER TO BE RETAINED
DP1	100x75 RHS DOWNPIPE FROM EAVES GUTTER WITH MIN EFFECTIVE CROSS-SECTIONAL AREA OF 7,600mm ²
RH1	MIN 200 x 200 RAINHEAD WITH 160 SUMP AND Ø100 OR 100x75 RHS DOWNPIPE FROM 200 WIDE x MIN 135 DEEP BOX GUTTER
→	DIRECTION OF FLOW/FALL
	CONCRETE/FC SHEET ROOFING/PAVED (IMPERVIOUS) SURFACE
	NEW/EXISTING ROOFED AREAS (IMPERVIOUS) (FALL PARALLEL TO DIRECTION OF HATCH)
	TIMBER DECKED (PERVIOUS) SURFACE

NOTES:

- ALL DIMENSIONS TO BE CONFIRMED ON SITE. LEVELS AND SITE LAYOUT BASED ON ARCHITECTURAL PLANS BY KALEIDOTECTURE BUILDING DESIGN (DATED 3 APRIL 2019) AND SITE SURVEY BY C.M.S. SURVEYORS (DATED 13 MARCH 2017).
- 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 DESIGNED, MANUFACTURED AND INSTALLED WITH THE RELEVANT AUSTRALIAN 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.
- IT IS RECOMMENDED THAT ALL DOWNPIPES TO BE FITTED WITH LEAF BEATER RAINHEADS OR EQUIVALENT EXCLUSION DEVICE TO MINIMISE DEBRIS IN SYSTEM.
- RAINHEAD TO BE FULLY SEALED TO BOX GUTTER AND FRONT OF RAINHEAD LEFT OPEN ABOVE OVERFLOW WEIR. ALL GUTTERS TO HAVE MIN 1:200 FALL TO RAINHEAD OR DOWNPIPE. ROOF DRAINAGE MAY BE VARIED IN ACCORDANCE WITH AS3500.

SITE CALCULATIONS

SITE AREA	733m ²	
IMPERVIOUS AREAS (m ²)	EXISTING	PROPOSED
ROOF	220	248
DRIVEWAY AND PAVING	116	91
TOTAL IMPERVIOUS AREA	336m ² (46%)	339m ² (46%)
NET INCREASE IN IMPERVIOUS COVERAGE	3m ² (<1%)	

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A	ISSUED FOR DEVELOPMENT APPROVAL	KW	KW	05.04.19
ISSUE	DESCRIPTION	BY	APR	DATE

CHARTERED PROFESSIONAL ENGINEERS:

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PROJECT:

PROPOSED ALTERATIONS AND ADDITIONS
at: 10 THE CRESCENT, NORTH NARRABEEN
for: R AND D GOUGH

DRAWING TITLE:

STORMWATER MANAGEMENT PLAN

DESIGN: K.W. DATE: APR 2019

DRAWN: K.W. SCALE: 1:200

FILENAME: 11592-C1.00 (A).DWG

SIGNED:

SIZE A3

REV

DRAWING No:

11592-C1.00

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