



LEGEND:

	EXISTING SURFACE LEVEL (mAHd)
	EXISTING SURFACE CONTOUR (mAHd)
	RAINWATER PIPE (MIN 100 DWV @ 1% UNO)
	STORMWATER PIPE (MIN 100 uPVC @ 1% UNO)
	DOWNPIPE LOCATION. REFER TO SCHEDULE FOR GUTTER, DOWNPIPE AND RAINHEAD SIZING.
	LEVEL SPREADER FROM UPPER ROOF
	CONCRETE/ROOFED (IMPERVIOUS) SURFACE
	TIMBER DECKING (PERVIOUS SURFACE)

NOTES:

- ALL DIMENSIONS TO BE CONFIRMED ON SITE. LEVELS AND SITE LAYOUT BASED ON DA ARCHITECTURAL PLANS BY C+M STUDIO AND SITE SURVEY BY C.M.S. SURVEYORS (DATED 14 JULY 2010).
- 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.
- IT IS RECOMMENDED THAT ALL DOWNPIPES TO BE FITTED WITH LEAF BEATER RAINHEADS OR AN EQUIVALENT EXCLUSION DEVICE BE FITTED TO THE DRAINAGE SYSTEM TO MINIMISE DEBRIS IN SYSTEM.
- 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 & DOWNPIPE SCHEDULE

DESIGNATION	DESIGN FLOW	EAVES GUTTER	BOX GUTTER		RAINHEAD SUMP		DOWNPIPE (MIN)
		MIN EFF XS AREA	WIDTH	MIN HEIGHT	MIN WIDTH	MIN DEPTH	
LS	<1 L/s	3,000mm ²	-	-	-	-	65
DP1	2 L/s	6,800mm ²	-	-	-	-	100
DP2	3 L/s	9,200mm ²	-	-	-	-	100
RH1	5 L/s	-	300	115	120	160	100
RH2	7 L/s	-	300	125	150	240	100

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

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A	ISSUED FOR DEVELOPMENT APPLICATION	KW	KW	24.11.19
ISSUE	DESCRIPTION	BY	APR	DATE

CHARTERED PROFESSIONAL ENGINEERS:

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PROJECT:

**PROPOSED ALTERATIONS AND ADDITIONS
10 LINCOLN AVENUE, COLLAROY
SCHUBERT RESIDENCE**

DRAWING TITLE:

STORMWATER MANAGEMENT PLAN

DESIGN: K.W. DATE: JUL 2017

DRAWN: K.W. SCALE: 1:200

FILENAME: 11309-C1.00 (A).DWG

SIGNED: _____
