

32 ILUKA ROAD, PALM BEACH
STORMWATER MANAGEMENT PLAN

DRAWING INDEX:

SW-000 LEGEND

SW-001 PIPE LAYOUT - GROUND & FIRST FLOOR

SW-002 ROOF LAYOUT

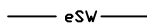
LEGEND:



DOWNPIPE



EXISTING DOWNPIPE



EXISTING STORMWATER PIPE




DRAINAGE PIT

NOTES:




1. ALL DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
2. SITE LAYOUT BASED ON ARCHITECTURAL PLANS BY SAMCRAWFORD ARCHITECTS I(JULY 2024) AND SURVEY PLANS BY C.M.S. SURVEYORS PTY LTD (FEBRUARY 2022).
3. LOCATION OF ALL SERVICES MUST BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.
4. ALL STORMWATER DRAINAGE PIPES AND ASSOCIATED DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE RELEVANT STANDARDS, THE BUILDING CODE OF AUSTRALIA, MANUFACTURER'S RECOMMENDATIONS, SYDNEY CATCHMENT AUTHORITY RECOMMENDED PRACTICE, AND LOCAL COUNCIL, AS APPLICABLE.
5. ALL INVERT LEVELS PROVIDED ON THIS DRAWING ARE REDUCED TO AHD AND BASED ON INTERPOLATED SURFACE LEVELS AND SYSTEM REQUIREMENTS.
6. WHERE POSSIBLE, PIPEWORK SHALL BE LOCATED EXTERNAL TO THE BUILDING.
7. DOWNPIPES AND STORMWATER LINES TO BE SEALED DN100 uPVC UNLESS OTHERWISE NOTED.
8. STORMWATER PIPES TO BE GRADED AT A MINIMUM 1% UNLESS NOTED OTHERWISE.
9. ALTERNATIVE GUTTER AND DOWNPIPE CONFIGURATION MAY BE INSTALLED PROVIDED IT COMPLIES WITH AS3500.
10. ALL PIPE AND CONDUITS TO BE MARKED IN ACCORDANCE WITH AS1345 – 1995.
11. TRENCHES AND SERVICE SEPARATIONS IN ACCORDANCE WITH AS/NZS 5601, AS/NZS 3500, AND AS/CA S009.

NOT FOR CONSTRUCTION

This drawing is confidential and shall only be used for the purposes of this project.					Scale		THE SIGNING OF THIS TITLE BLOCK CONFIRMS THE DESIGN AND DRAFTING OF THIS PROJECT HAVE BEEN PREPARED AND CHECKED IN ACCORDANCE WITH THE STELLEN CONSULTING QUALITY ASSURANCE SYSTEM				This design complies with: AS3500.3:2021		32 ILUKA ROAD, PALM BEACH								
REVISIONS						NA	DESIGNED		MH	CHECKED	FRM	 Stellen	LEGEND								
							DRAWN		NTM	CHECKED	FRM										
							APPROVED		FRM	DATE	12/07/2024										
	0	NTM	12/07/2024	FOR DA			DO NOT SCALE. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED						Size	A3	Status	FOR DA	Drg No.	P171360-DR-SW-000	Rev.	0	
	No.	BY	DATE	DESCRIPTION	APPD							Stellen Consulting ABN 61 149 095 189									

NOMENCLATURE
DP - DOWNPIPE
EG - EAVES GUTTER
BG - BOX GUTTER
RWH - RAINWATER HEAD

GUTTER SIZING
RWH DESIGNED TO ARI (100YR:287mm/hr)
EAVE GUTTER DESIGNED TO ARI (20YR:209mm/hr)
BG1 - REFER TO TABLE 1
EG1 - MIN CSA 4,500 mm²

LEGEND
 DOWNPIPE TYPE AND DIAMETER
 DIRECTION OF FALL
 DP

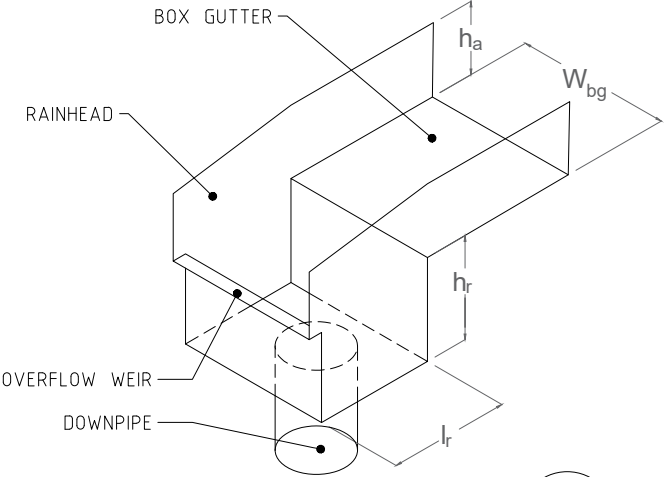
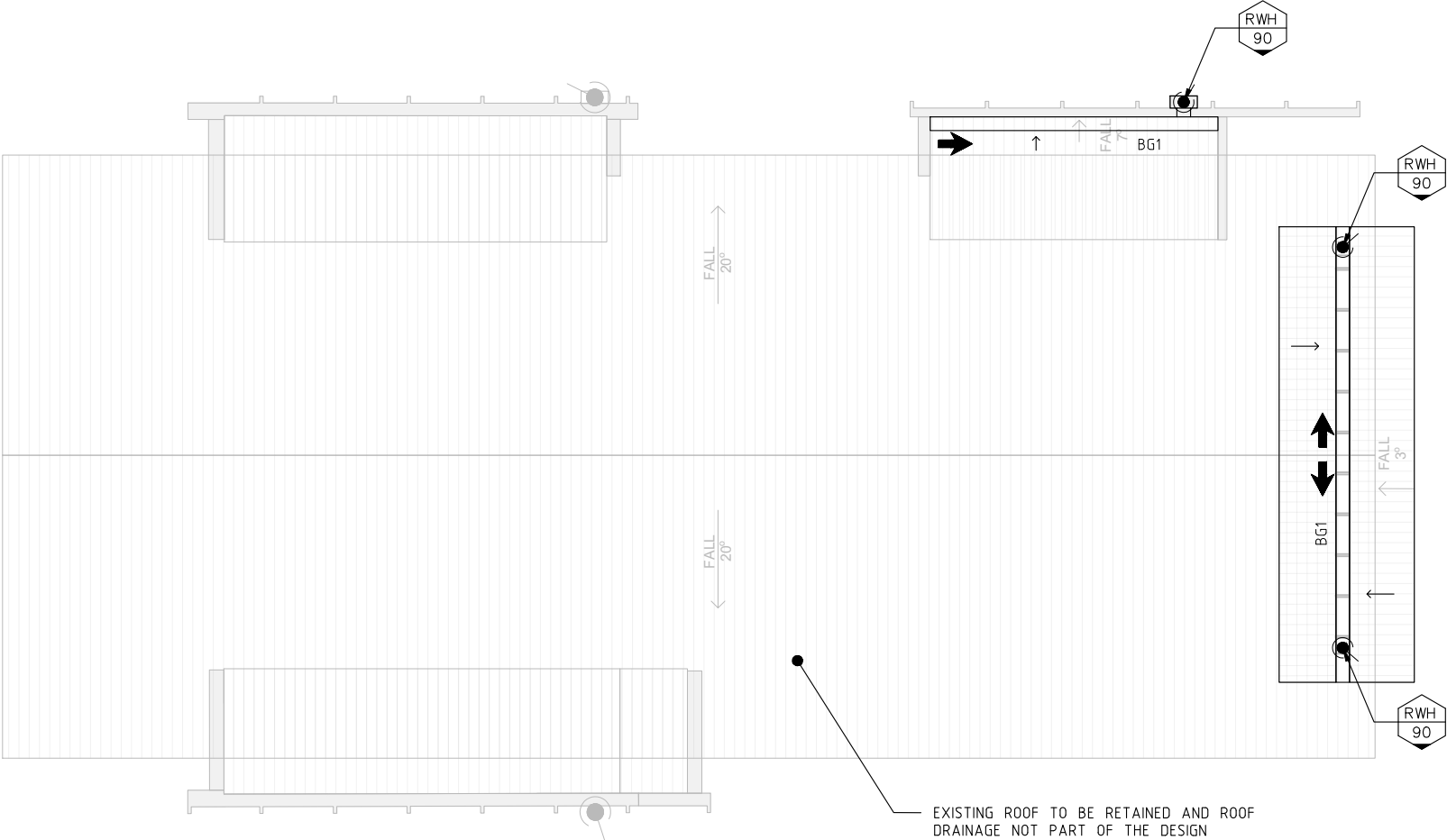


TABLE 1 – RAINWATER HEAD DESIGN (100 YEAR ARI, 1:200 FALL)		
		TYPE 1
ROOF SERVICE AREA	–	–
DOWNPIPE DIAMETER	DP	90mm
BOX GUTTER WIDTH (MIN)	W _{bg}	200mm
BOX GUTTER DEPTH (MIN)	h _a	95mm
LENGTH OF RAINWATER HEAD	L _r	130mm
RAINWATER HEAD DEPTH	h _r	115mm
RAINWATER HEAD WIDTH (MIN)	W _{rh}	200mm


TYPICAL RAINWATER HEAD DETAIL(TYPE1)
NOT TO SCALE

- NOTES:
1. TOP OF RAINWATER HEAD TO BE SET MIN 25mm LOWER THAN INVERT BOX GUTTER.
 2. RAINWATER HEAD OVERFLOW WEIR TO BE SET 25mm BELOW SOLE OF BOX GUTTER.
 3. BOX GUTTER SOLE TO HAVE MINIMUM 1:200 FALL
 4. BOX GUTTER AND RAINHEAD TO BE DESIGNED TO ARCHITECTURAL SPECIFICATION PROVIDED IT COMPLIES WITH THE MINIMUM DIMENSIONS IN TABLE 1.



PLAN 3
ROOF LAYOUT
1:100

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