

ROAD



1:100

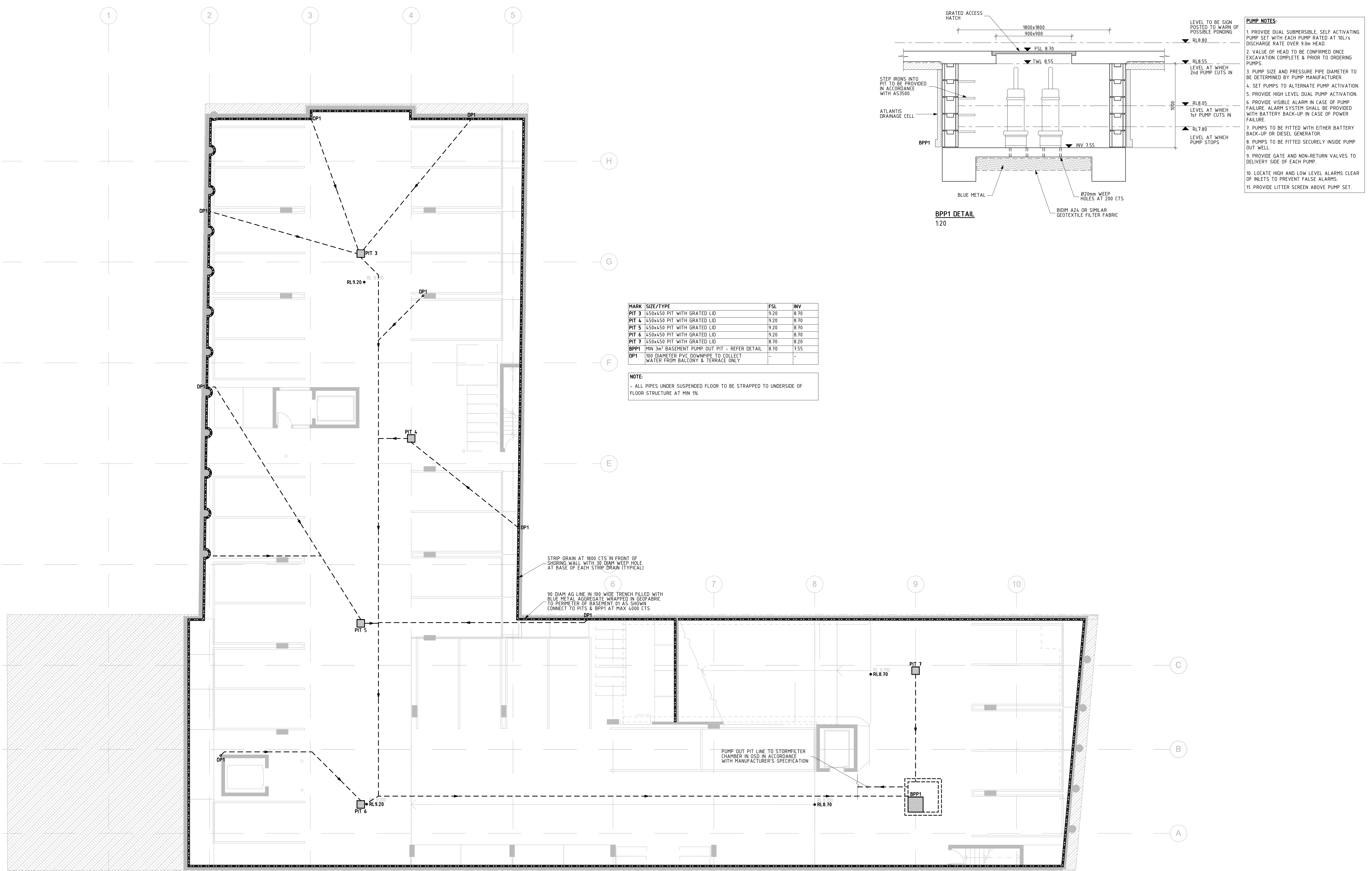


'FD3' FLOOR DRAIN DETAIL
1:10

NOTE:
- ALL PIPES UNDER SUSPENDED FLOOR TO BE STRAPPED TO UNDERSIDE OF FLOOR STRUCTURE AT MIN 1%

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DI	C	08.12.21	ISSUE FOR COUNCIL SUBMISSION
DI	4	02.12.21	AMENDED TO SUIT AMENDED ARCH DRAWINGS. ISSUE FOR REVIEW ONLY
RY	REV	DATE	REVISION DESCRIPTION

STATUS				ISSUE FOR COUNCIL SUBMISSION		DATE		JUNE 2020	
PROJECT		265 CONDOMINE & 1 KENNETH STREETS, MANLY VALE				DESIGNED		SCALE	
						DM		REFER DWG	
						DRAWN		PAGE SIZE	
DRAWING		LEVEL 01 DRAINAGE & PART SITE STORMWATER MANAGEMENT PLAN				DM		A1	
						CHECKED		REVISION	
						DI		C	
								PROJECT NUMBER	
								200602	
								DRAWING NUMBER	
								D02	



- PUMP NOTES:**
1. PROVIDE DUAL SUBMERSIBLE, SELF ACTIVATING PUMP SET WITH EACH PUMP RATED AT 10L/s DISCHARGE RATE OVER 9.0m HEAD.
 2. VALUE OF HEAD TO BE CONFIRMED ONCE EXCAVATION COMPLETE & PRIOR TO ORDERING PUMPS.
 3. PUMP SIZE AND PRESSURE PIPE DIAMETER TO BE DETERMINED BY PUMP MANUFACTURER.
 4. SET PUMPS TO ALTERNATE PUMP ACTIVATION.
 5. PROVIDE HIGH LEVEL DUAL PUMP ACTIVATION.
 6. PROVIDE VISIBLE ALARM IN CASE OF PUMP FAILURE. ALARM SYSTEM SHALL BE PROVIDED WITH BATTERY BACK-UP IN CASE OF POWER FAILURE.
 7. PUMPS TO BE FITTED WITH EITHER BATTERY BACK-UP OR DIESEL GENERATOR.
 8. PUMPS TO BE FITTED SECURELY INSIDE PUMP OUT WELL.
 9. PROVIDE GATE AND NON-RETURN VALVES TO DELIVERY SIDE OF EACH PUMP.
 10. LOCATE HIGH AND LOW LEVEL ALARMS CLEAR OF INLETS TO PREVENT FALSE ALARMS.
 11. PROVIDE LITTER SCREEN ABOVE PUMP SET.

BPP1 DETAIL
1:20

MARK	SIZE/TYPE	FSL	INV
PIT 3	450x450 PIT WITH GRATED LID	9.20	8.70
PIT 4	450x450 PIT WITH GRATED LID	9.20	8.70
PIT 5	450x450 PIT WITH GRATED LID	9.20	8.70
PIT 6	450x450 PIT WITH GRATED LID	9.20	8.70
PIT 7	450x450 PIT WITH GRATED LID	8.70	8.20
BPP1	MIN 3m³ BASEMENT PUMP OUT PIT - REFER DETAIL	8.70	7.55
DP1	100 DIAMETER PVC DOWNPIPE TO COLLECT WATER FROM BALCONY & TERRACE ONLY	-	-

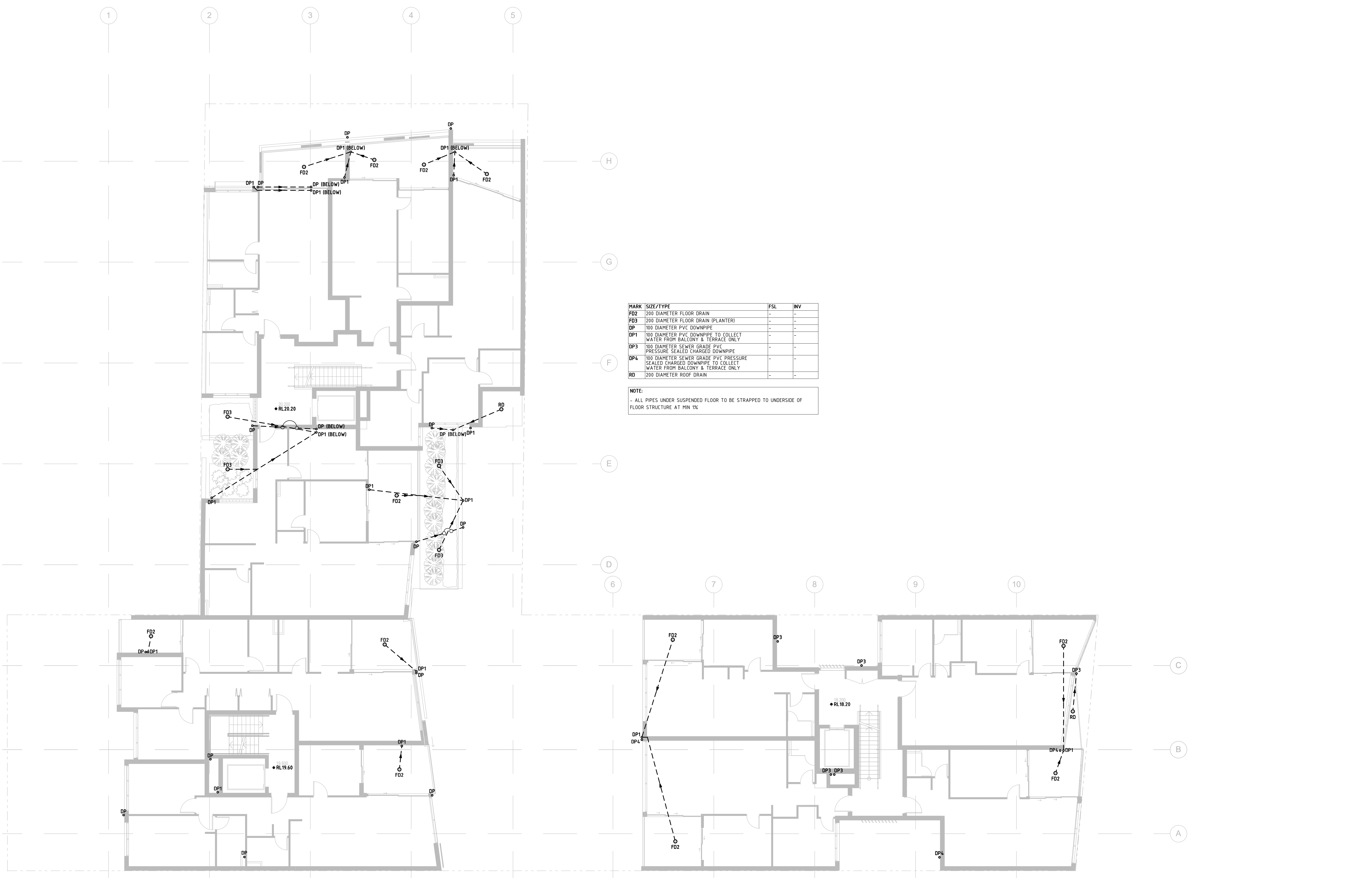
NOTE:
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BASEMENT DRAINAGE PLAN
1:100

REV.	DATE	REVISION DESCRIPTION	BY	REV.	DATE	REVISION DESCRIPTION	BY
B	08.12.20	ISSUE FOR COUNCIL SUBMISSION	DI				
2	02.12.20	AMENDED TO SUIT AMENDED ARCH DRAWING. ISSUE FOR REVIEW ONLY	DI				
A	27.10.20	ISSUE FOR DA SUBMISSION	DI				
1	07.08.20	ISSUE FOR REVIEW ONLY	DI				

ARCHITECT	GARTNER TROVATO ARCHITECTS
CLIENT	CO-ORDINATED PROJECTS PTY LIMITED

STATUS	ISSUE FOR COUNCIL SUBMISSION	DATE	JUNE 2020
PROJECT	265 CONDOMINE & 1 KENNETH STREETS, MANLY VALE	PROJECT NUMBER	200602
DRAWING	BASEMENT DRAINAGE PLAN	DRAWING NUMBER	D03
DESIGNED	DM	SCALE	REFER DWG
DRAWN	DM	PAGE SIZE	A1
CHECKED	DI	REVISION	B

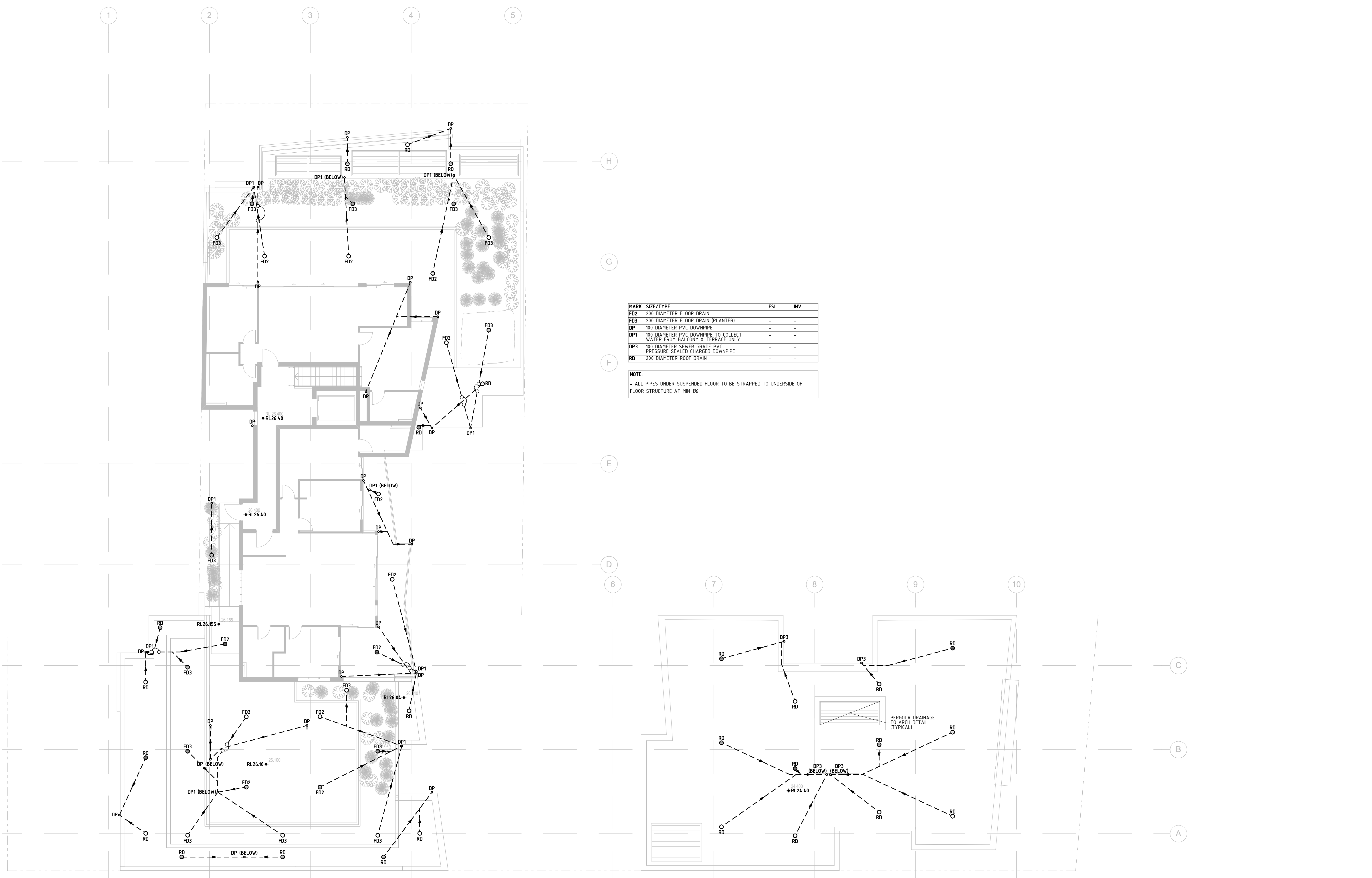


LEVEL 02 DRAINAGE PLAN
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REV.	DATE	REVISION DESCRIPTION	BY	REV.	DATE	REVISION DESCRIPTION	BY
B	08.12.20	ISSUE FOR COUNCIL SUBMISSION	DI				
2	02.12.20	AMENDED TO SUIT AMENDED ARCH DRAWING. ISSUE FOR REVIEW ONLY	DI				
A	27.10.20	ISSUE FOR DA SUBMISSION	DI				
1	07.08.20	ISSUE FOR REVIEW ONLY	DI				

ARCHITECT	GARTNER TROVATO ARCHITECTS
CLIENT	CO-ORDINATED PROJECTS PTY LIMITED

STATUS	ISSUE FOR COUNCIL SUBMISSION	DATE	JUNE 2020
PROJECT	265 CONDOMINE & 1 KENNETH STREETS, MANLY VALE	DESIGNED	DM
		SCALE	REFER
		DWG	DWG
		PAGE SIZE	A1
DRAWING	LEVEL 02 DRAINAGE PLAN	CHECKED	DI
		REVISION	B
		PROJECT NUMBER	200602
		DRAWING NUMBER	D04

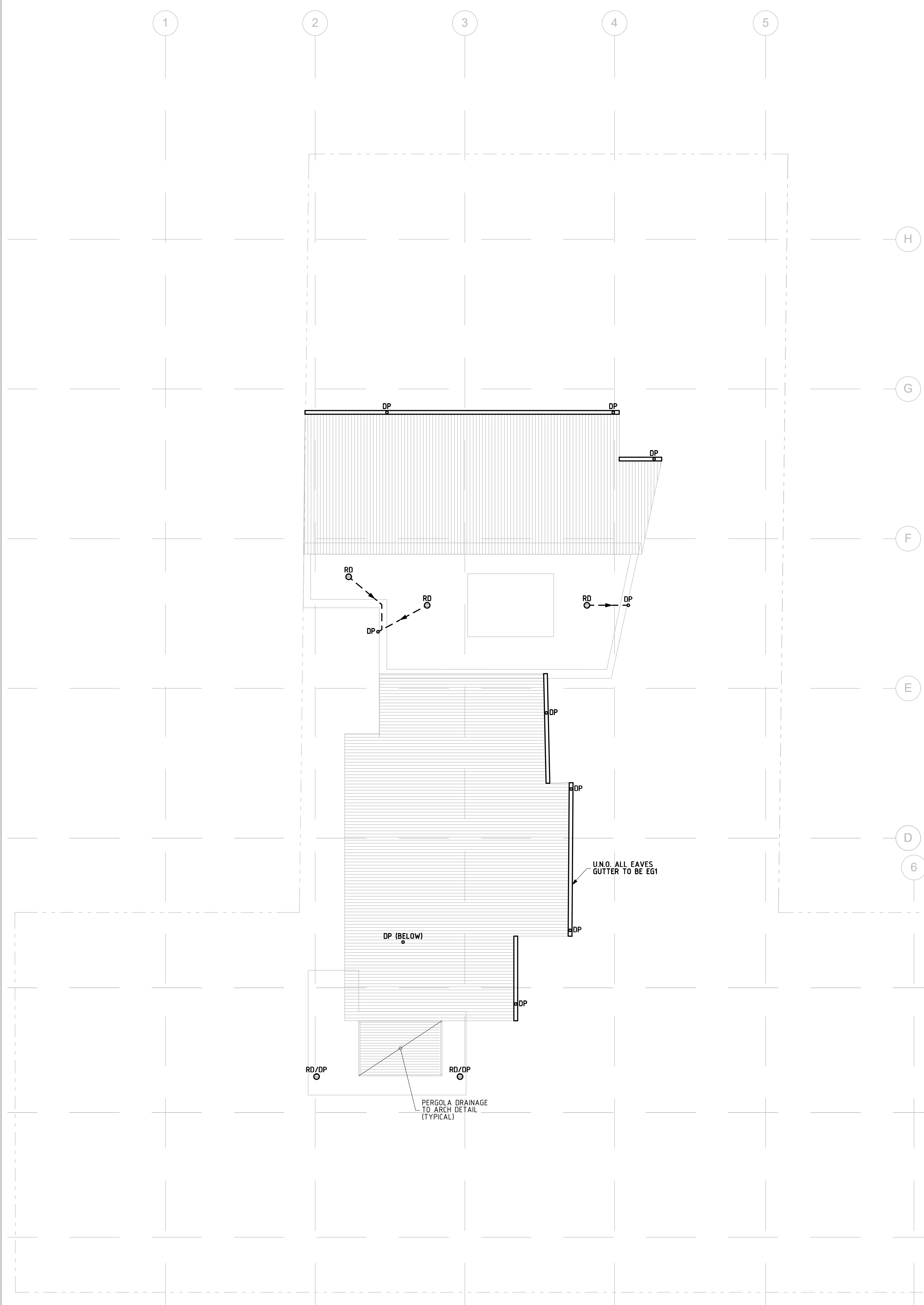


LEVEL 04 & LOWER ROOF DRAINAGE PLAN
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B	08.12.20	ISSUE FOR COUNCIL SUBMISSION	DI				
2	02.12.20	AMENDED TO SUIT AMENDED ARCH DRAWING. ISSUE FOR REVIEW ONLY	DI				
A	27.10.20	ISSUE FOR DA SUBMISSION	DI				
1	07.08.20	ISSUE FOR REVIEW ONLY	DI				

ARCHITECT	GARTNER TROVATO ARCHITECTS
CLIENT	CO-ORDINATED PROJECTS PTY LIMITED

STATUS	ISSUE FOR COUNCIL SUBMISSION			DATE	JUNE 2020
PROJECT	265 CONDOMINE & 1 KENNETH STREETS, MANLY VALE			PROJECT NUMBER	200602
DRAWING	LEVEL 04 & LOWER ROOF DRAINAGE PLAN			DRAWING NUMBER	D06
DESIGNED	DM	SCALE	REFER DWG		
DRAWN	DM	PAGE SIZE	A1		
CHECKED	DI	REVISION	B		

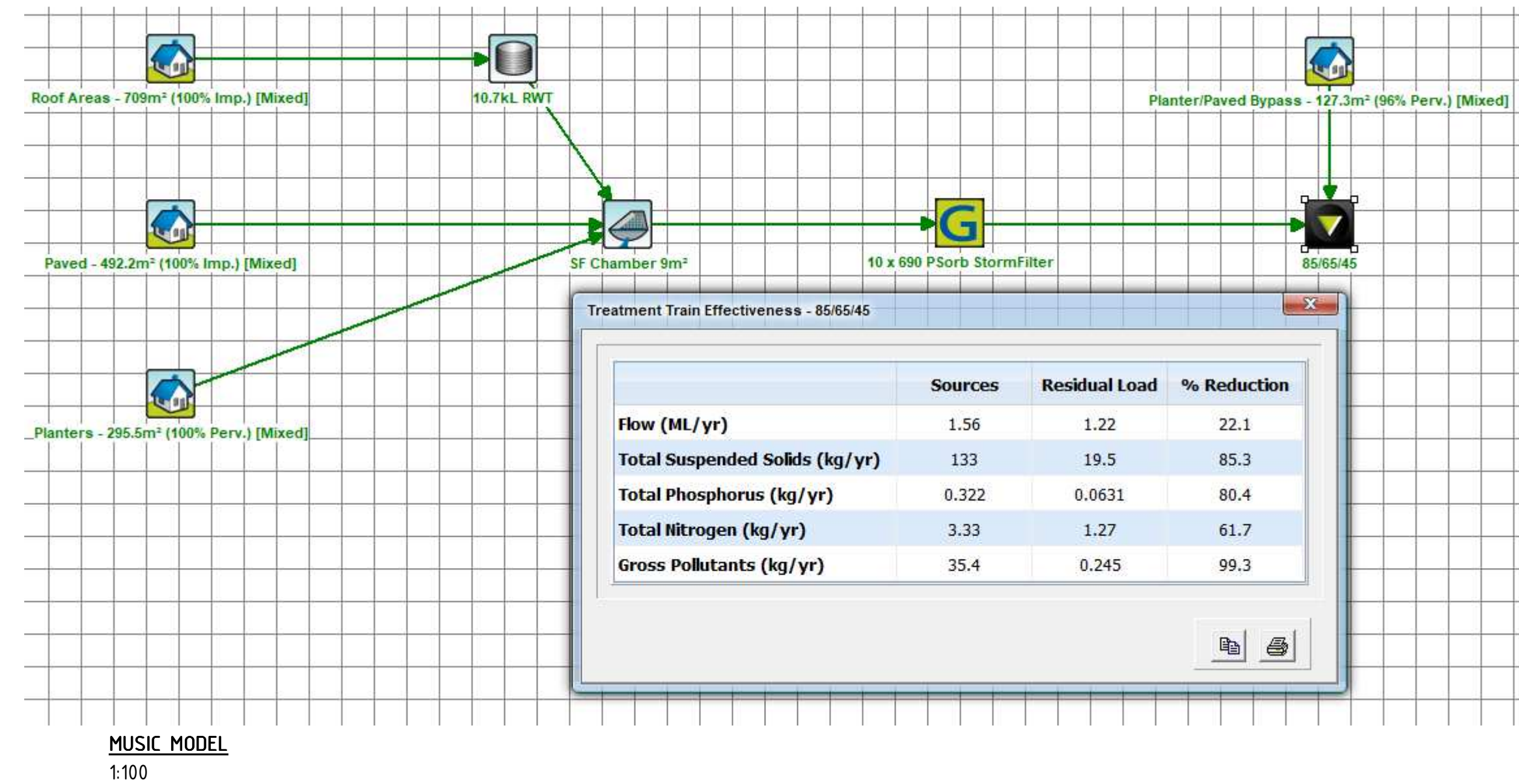


UPPER ROOF DRAINAGE PLAN
1:100

REV.	DATE	REVISION DESCRIPTION	BY	REV.	DATE	REVISION DESCRIPTION
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A	27.10.20	ISSUE FOR DA SUBMISSION	DI			
1	07.08.20	ISSUE FOR REVIEW ONLY	DI			

MARK	SIZE/TYPE	FSL	INV
DP	100 DIAMETER PVC DOWNPIPE	-	-
EG1	QUAD 150 EAVES GUTTER	-	-
RD	200 DIAMETER ROOF DRAIN	-	-

NOTE:
- ALL PIPES UNDER SUSPENDED FLOOR TO BE STRAPPED TO UNDERSIDE OF FLOOR STRUCTURE AT MIN 1%



STORMFILTER DESIGN TABLE

- STORMFILTER TREATMENT CAPACITY VARIES BY NUMBER OF FILTER CARTRIDGES INSTALLED.
- THE STANDARD CONFIGURATION IS SHOWN. ACTUAL CONFIGURATION OF THE SPECIFIED STRUCTURE(S) PER CERTIFYING ENGINEER WILL BE SHOWN ON SUBMITTAL DRAWING(S).
- FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF-CLEANING. RADIAL MEDIA DEPTHS SHALL BE 150mm.

CARTRIDGE NAME / SIPHON HEIGHT (mm)	690	460	310
CARTRIDGE PHYSICAL HEIGHT (mm)	840	600	600
TYPICAL WEIR HEIGHT [H] (mm)	920	690	540
CARTRIDGE FLOW RATE FOR ZPG MEDIA (L/s)	1.6	1.1	0.7
CARTRIDGE FLOW RATE FOR PSORB MEDIA (L/s)	0.9	0.46	0.39

STORMFILTER CARTRIDGE DETAIL

SITE SPECIFIC DATA REQUIREMENTS	
STRUCTURE ID	
NUMBER OF CARTRIDGES REQ'D	
SIPHON HEIGHT (310 / 460 / 690)	
MEDIA TYPE (ZPG / PSORB)	
WATER QUALITY FLOW RATE (L/S)	
DIMENSION A	
DIMENSION B	
TOTAL CARTRIDGE BAY AREA (A x B) TO MATCH AREA REQUIRED BY MUSIC MODELLING OR COUNCIL SPECIFIC REQUIREMENTS	

GENERAL NOTES

- INLET AND OUTLET PIPES TO BE IN ACCORDANCE WITH APPROVED PLANS.
- A HIGH FLOW BYPASS ARRANGEMENT OR DISSIPATION STRUCTURE MAY BE REQUIRED TO MINIMISE RE-SUSPENSION OF SOLIDS OR ANY SIGNIFICANT INERTIAL FORCES ON THE CARTRIDGES.
- ALL WATER QUALITY TREATMENT DEVICES REQUIRE PERIODIC MAINTENANCE. REFER TO OPERATION AND MAINTENANCE MANUAL FOR GUIDELINES AND ACCESS REQUIREMENTS.
- SITE SPECIFIC PRODUCTION DRAWING WILL BE PROVIDED ON PLACEMENT OF ORDER.
- THE INVERT LEVEL OF THE INLET PIPE MUST BE GREATER THAN THE RL OF THE FALSE FLOOR WITHIN THE CARTRIDGE CHAMBER.
- CONCRETE STRUCTURE AND ACCESS COVERS DESIGNED AND PROVIDED BY OTHERS. ACCESS COVERS TO BE ASSESSED BY OTHERS ON SITE.
- THE STRUCTURE THICKNESSES SHOWN ARE FOR REPRESENTATIONAL PURPOSES.
- DRAWINGS NOT TO SCALE.

INSTALLATION NOTES

- UNDERDRAIN AND FALSE FLOOR INSTALLED BY OCEAN PROTECT.

PHONE: 1300 354 722
WWW.OCEANPROTECT.COM.AU

OCEAN PROTECT
STORMFILTER SYSTEM
HED GENERAL ARRANGEMENT
SPECIFICATION DRAWING

LAST MODIFIED: 07-03-19

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PROJECT	265 CONDOMINE & 1 KENNETH STREETS, MANLY VALE	PROJECT NUMBER	200602
DESIGNED	DM	SCALE	REFER DWG
DRAWN	DM	PAGE SIZE	A1
CHECKED	DI	REVISION	B
DRAWING	UPPER ROOF DRAINAGE PLAN & OCEAN PROTECT DETAILS	DRAWING NUMBER	D07

ARCHITECT
GARTNER TROVATO ARCHITECTS
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CO-ORDINATED PROJECTS PTY LIMITED