

**COUNCIL REQUIREMENTS**  
THIS PROPERTY FALLS WITHIN THE NORTHERN BEACHES COUNCIL LGA. THE STORMWATER REQUIREMENTS ARE DETAILED IN THE COUNCIL DOCUMENT 'WATER MANAGEMENT FOR DEVELOPMENT POLICY'. THIS STORMWATER PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THIS POLICY.

A CONCEPT STORMWATER DRAINAGE PLAN PREPARED BY PENINSULA ENGINEERS (REF 22-0417) HAS PREVIOUSLY BEEN APPROVED. THE DRAINAGE SHOWN ON THIS DRAWING IS IN ADDITION TO THIS APPROVED PLAN.

NO CHANGE IS PROPOSED.

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ALL DETAILS FOR OSD AND RAINWATER REUSE ARE AS PER THE PLANS PREPARED BY PENINSULA ENGINEERS (REF 22-0417).

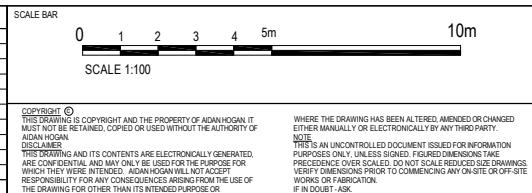
STORMWATER DRAINAGE SYSTEM  
PREVIOUSLY APPROVED UNDER CDC

GRAVITY STORMWATER PIPE 100Ø U.N.O.

DP DOWNPIPE CONNECTION



REVISIONS:					
A	FOR APPROVAL			AH	18.12.22
No.	REVISION DESCRIPTION			DRAWN	DATE



**WARNING**  
BEWARE OF UNDERGROUND SERVICES  
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

CIVIL ENGINEER

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ARCHITECT  
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PROJECT TITLE	MODIFICATION TO NEW CDC DWELLING 15 PRINCES PROMENADE, SEAFORTH NSW 2092
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DRAWING TITLE	STORMWATER DRAINAGE CONCEPT PLAN
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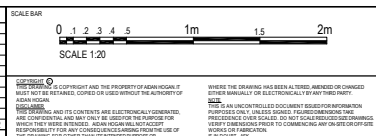
DRAWING STATUS		<h1 style="text-align: center;">APPROVAL ISSUE</h1> <h2 style="text-align: center;">NOT TO BE USED FOR CONSTRUCTION</h2>	
DESIGNER AH	SHEET SIZE A1		
SCALE	PROJECT START DATE DEC 2007	DRAWING No.	REVISION
JOB No. <b>022022</b>		<b>C02</b>	<b>A</b>



- D1. PIT LEVELS SHOWN ON STORMWATER DRAINAGE PLANS ARE FOR INFORMATION. EXACT PIT LEVELS TO BE ADJUSTED TO SUIT FALLS IN PAVEMENT AND LANDSCAPED AREA.
- D2. PITS GREATER THAN 1.2m DEEP TO BE FITTED WITH STEP RINGS.
- D3. DRAINAGE PIPES SHALL BE BACKFILLED WITH COMPACTED CLEAN SHARP SAND TO 200 ABOVE PIPE OVERT. ADDITIONAL BACKFILL UNDER ROAD SHALL CONSIST OF CLASS 2 F.C.R. MATERIAL COMPACTED IN 200mm LAYERS TO 100% SAND. UNDER LANDSCAPED AREAS ADDITIONAL BACKFILL SHALL CONSIST OF GRANULAR MATERIAL COMPACTED IN 200mm LAYERS TO 95% SAND.
- D4. A MIN 3.0m LENGTH OF 100 SLOTTED AGRICULTURAL LINE SURROUNDED BY GEOTEXT STOCKING SHALL BE PROVIDED ON THE UPSTREAM SIDE OF ALL PITS.
- D5. CONCRETE STORMWATER PIPES TO BE CLASS 3 UNDER ROADS AND CLASS 2 IN NON-TRAFFICABLE AREAS. ALL PIPES GREATER THAN 3000 ARE TO BE RUBBER JOINT UNO.U.
- D6. CONCRETE PITS GREATER THAN 1.0m DEEP TO BE REINFORCED WITH N12-200mm WAVE CENTRED, MIN. 300 LAP, CONCRETE: F-290MPa
- D7. 1500, 2250 & 3000 uPVC PIPES TO BE SEWER GRADE PIPE UNDER TRAFFICABLE PAVEMENT. MIN. 400 COVER UNDER NON-TRAFFICABLE PAVEMENT
- D8. PIT COVERS & GRATED DRAINS IN TRAFFICABLE PAVEMENT TO BE AS 3096 CHIMNEY TYPE "H" & NON-TRAFFICABLE AREAS TO BE AS 3096 CLASS C LIGHT DUTY.

- R01: CONTRACTOR SHALL ALLOW FOR ALL FLASHING AND WATERPROOFING IN ACCORDANCE WITH THE AUSTRALIAN STANDARD BS 3220:15 AND AS REQUIRED TO PROVIDE A "WATERTIGHT" JOINT.
- R02: FOR BOX GUTTERS CONTRACTOR SHALL ALLOW TO INSTALL 100% EMERGENCY OVERFLOW MEASURES TO ATMOSPHERE IN ACCORDANCE WITH AS3500.
- R03: CONTRACTOR SHALL ALLOW FOR FALL IN GUTTERS AT A MINIMUM OF 1: 200 TO ALLOW FOR ADEQUATE FALL TO THE DRAIN/POWHPINE.
- R04: WHERE RAINHARNS ARE USED, OVERFLOW WEIR OF RAINHARD TO BE MINIMUM 25mm BELOW SLOE OF THE GUTTER. TOP OF RAINHARD TO BE NO HIGHER THAN HALF THE DEPTH OF THE GUTTER.
- R05: DOMESTIC BOX GUTTERS TO BE MINIMUM 200mm WIDE & MINIMUM 75mm DEEP AT HIGH END.
- R06: COMMERCIAL AND INDUSTRIAL BOX GUTTERS TO BE MINIMUM 300mm WIDE & MINIMUM 75mm DEEP AT HIGH END.
- R07: BOX GUTTER SUMPS TO BE MINIMUM 150mm DEEP AND 400mm LONG.
- R08: EAVES GUTTERS TO BE OFFSET FROM FASCIA MINIMUM OF 4mm.
- R09: BACK OF EAVES GUTTERS TO BE MINIMUM 10mm BELOW TOP OF FASCIA.
- R10: CONTRACTOR SHALL ALLOW FOR ALL REQUIRED EXPANSION JOINTS AND ADJUSTMENTS FOR THERMAL VARIATION. ALL EXPANSION SPACE SHALL BE A MINIMUM OF 50mm.
- R11: CONTRACTOR SHALL ALLOW TO INSTALL GUTTER GUARDS AND MESH SCREENS ON ALL GUTTERS, DOWNPIPES AND SUMPS.
- R12: CONTRACTOR TO PROVIDE A MAINTENANCE SCHEDULE FOR REGULAR CLEANING AND HOSE FLUSHING OF ALL DOWN PIPES AND GUTTERS.
- R13: CONTRACTOR TO PROVIDE A WATER TEST FOR ALL INTERNAL DOWNPIPES FOR 10 MINUTES AT 100mm of HEAD. WATER AT OR TEST PRESSURE OF 300kPa TO 30 kPa FOR A MINIMUM OF 3 MINUTES IN TEST ACCORDANCE WITH AS3500.

REVISIONS:					
A	FOR APPROVAL	REVISION DESCRIPTION		AH	17.12.22



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DRAWING TITLE	DRAINAGE DETAILS

G	DRAWING STATUS		
	<b>APPROVAL ISSUE</b> NOT TO BE USED FOR CONSTRUCTION		
	DESIGNER AH	SHEET SIZE A1	
	SCALE	PROJECT START DATE DEC 2022	
	JOB No. 022022	DRAWING No. C03	REVISION A