CONCEPT STORMWATER MANAGEMENT PLANS PROPOSED NEW RESIDENTIAL DEVELOPMENT No.15 INGLESIDE ROAD, INGLESIDE NSW 2101

	LEGEND	NORTHER	RN BEACHES COUNCIL	'S DRAINAGE	GEN	
	GRATED INLET PIT	DESIGN F	REQUIREMENTS.		1. FINAL LOCATION OF N DETERMINED BY BUIL	
450×450	450mm SQUARE INTERNAL					
GRT 75.54	GRATE LEVEL = RL 75.54	SITE AREA = 676.60m	ARCHITECTS AND OTH			
IL 75.12	INVERT LEVEL = RL 75.12		MENT		BEFORE PROCEEDING	
o 10	INSPECTION OPENING CAP	YES : CHECKLIST UNI	DERTAKEN AND CONFIRMED SO AS SUBJECT PROPERTY L	OCATED IN REGION 1.	3. ALL MATERIALS AND	
• DP	PROPOSED DOWNPIPE 90mm dia or 100mm x 50mm RECTANGULAR UNO	Properties within Region 1 require an OSD facility to be installed where the development results in			AS/NZS 3500.3:2018 S	
	EXISTING TREE	nulative basis since	4. ALL DIMENSIONS AND ON-SITE PRIOR TO CO			
	GRATED TRENCH DRAIN	TABLE 7 IS APPLICAB	LE. NET INCREASE IN IMPERVIOUS AREA IS 63m2.		NOR TO BE USED FOR	
mΒO		PRE-DEVELOPED IMP	ERVIOUS AREA= 260m2 PERVIOUS AREA= 260 + 63 = 323m2		5. ALL SURVEY INFORM	
₩ 100 ⊼	PROPOSED DOWNPIPE SPREADER				SURFACE LEVELS SH	
6	STRUCTURE No 1 (FOR HYDRAULIC CALCS)	Table 7 Requirem	ents for Size and Allowable Discharge from On-Site	e Detention Systems	6. THESE DRAWINGS DE	
	STORMWATER DRAINAGE	Additional Hard	Minimum Capacity of On-Site Detention Tank	Discharge Rate	RUNOFF DRAINAGE S DRAINAGE OR SUBSO	
		(Impervious) Surface Area	(Litres)	Litres/Sec	OTHERWISE. THE DE	
	100 DIA 1% MINICHARGED- ROOF AREA ONE I UNO	(square metres)			SYSTEMS IS THE RES	
			<u>Nil</u>	<u> </u>	uPVC AT MINIMUM 1%	
		>50 - 75	4,500		8. IT IS THE CONTRACTO	
		THEREFORE, PART O	F THE NEW ROOF AREA TO DRAIN INTO BASIX RAINWATER		ALL EXISTING SERVIC	
		GUTTERS, DOWNPIPE	S, PITS ETC TO THE ABOVE GROUND DETENTION BASIN L	OCATED AT THE LOW POINT	OF WORKS.	
		OF THE SITE.			9. ALL PITS WITHIN DRIV	
		DESIGN BASED ON A	R & R . AS 3500 AND RELEVANT COUNCIL STORMWATER M	ANAGEMENT GUIDELINES.	10. THIS PLAN IS THE PR AND MAY NOT BE US	
					PERMISSION FROM E	
					ы Г	
	FINISHED GROUND LEVEL					
			AS SPECIFIED PIPE CONNECTION	SURFACES TO HINGED GALVANISED RELEVANT PRIMER GRATE		
	45 ⁰ ELBOW		AND ADHESIVE. E	XPOXY MORTAR AT TRAFFICABLE		
	45°JUNCTION			RE WATERTIGHT.		
90 ⁰ E	ELBOW — MAIN STORMW AS SPECIFIED	ATER LINE	FLUSH WITH INTE	RNAL INTERNAL		
		OUT		DIMENSION AS SPECIFIE	ED.	
	AS SPECIFIED	4		450mm TYP		
τνοιά				TYPICAL DETA	IL - STANDARD PIT	
	SAL DETAIL - DOWINFIFE CONNEC	PRECAST	CONCRETE ACROSS FLOOR	NOT TO SCALE		
NOT TO S	SCALE	OR BRIC				
	ARCHITECT/BUILDER					
	STOTHARD PROJECTS			UVER SHEET & L	ESIGN SUMMARY TAI	
	CLIENT		CONSULTING ENGINEERS CIVIL & STORMWATER MANAGEMENT	PROJECT TITLE		
A 16.10.21	DA ISSUE BROWN	Ph: (0	2) 97067767 Mobile: 0405507654	PROPOSED NEW RESIDEN	ITIAL DEVELOPMENT	
ISS DATE	AMENDMENT	Fax: (02) 94754315 Email : info@ezeeng.com.a	u) 🕔 No.15 INGLESIDE ROAD, IN	IGLESIDE NSW 2101	





RAINWATER RE-USE SYSTEM NOTES

- 1. TOWNWATER CONNECTION TO RAINWATER TANK TO BE TO THE SATISFACTION OF SYDNEY WATER. THIS MAY REQUIRE PROVISION OF: a. PERMANENT AIR GAP.
 - b. A BACKFLOW PREVENTION DEVICE.
 - c. NO DIRECT CONNECTION BETWEEN TOWN WATER SUPPLY AND THE RAIN WATER SUPPLY.
 - d. AN APPROVED STOP VALVE AND/OR PRESSURE LIMITING VALVE AT THE RAINWATER TANK.
- 2. PROVIDE AT LEAST ONE (1) EXTERNAL HOSE COCK ON THE TOWN WATER SUPPLY FOR FIRE FIGHTING.
- 3. PROVIDE APPROPRIATE FLOAT VALVES AND/OR SOLENOID VALVES
- 4. ALL PLUMBING WORKS ARE TO BE CARRIED OUT BY LICENSED PLUMBERS IN ACCORDANCE WITH A\$3500.1 NATIONAL PLUMBING AND DRAINAGE CODE.
- 5. PRESSURE PUMP ELECTRICAL CONNECTION TO BE CARRIED OUT BY LICENSED ELECTRICIAN.
- 6. ONLY ROOF RUN-OFF IS TO BE DIRECTED TO THE RAINWATER TANK. SURFACE WATER INLETS ARE NOT TO BE CONNECTED.
- 7. PIPE MATERIALS FOR RAINWATER SUPPLY PLUMBING ARE TO BE APPROVED MATERIALS TO AS 3500 PART 1 SECTION 2 AND TO BE CLEARLY AND PERMANENTLY IDENTIFIED "RAINWATER". THIS MAY BE ACHIEVED FOR BELOW GROUND PIPES USING IDENTIFICATION TAPE (MADE IN ACCORDANCE WITH AS 2648) OR FOR ABOVE GROUND PIPES BY USING ADHESIVE PIPE MARKERS (MADE IN ACCORDANCE WITH AS1345).
- 8. EVERY RAINWATER SUPPLY OUTLET POINT AND THE RAINWATER TANK ARE TO BE LABELLED "RAINWATER" ON A METALLIC SIGN IN ACCORDANCE WITH AS 1319.
- ALL INLETS AND OUTLETS TO THE RAINWATER TANK ARE TO HAVE SUITABLE MEASURES PROVIDED TO PREVENT MOSQUITO AND VERMIN ENTRY.
- 10. SYSTEM TO COMPLY WITH SYDNEY WATER REQUIREMENTS AND ANY CONDITIONS OF LOCAL COUNCIL DEVELOPMENT CONSENT.



TYPICAL DETAIL - RAINWATER RE-USE TANK NOT TO SCALE



RIGID PIPES

FLEXIBLE PIPES

LOCATION	MINIMUM COVER (mm)		
	CAST/DUCTILE IRON GAL STEEL	OTHER AUTHORISED PRODUCTS (*)	
I. NOT SUBJECT TO VEHICULAR LOADING: A. WITHOUT PAVEMENT:			
i. FOR SINGLE DWELLINGS -	0	100	
ii. OTHER THAN SINGLE DWELLINGS - B. WITH PAVEMENT OF	0	300	
BRICK/UNREINFORCED CONCRETE -	0 (**)	50 (**)	
2. SUBJECT TO VEHICULAR LOADING: A. OTHER THAN ROADS:			
i. WITHOUT PAVEMENT - ii. WITH PAVEMENT OF:	300	450	
- REINF. CONC. FOR HEAVY VEHICLES -	0 (** #)	100 (** #)	
- BRICK/UNREINF. CONC LIGHT VEHICLES - B. ROADS	0 (** #)	75 (** #)	
i. SEALED	300	500 (#)	
ii. UNSEALED	300	500 (#)	
3. SUBJECT TO CONSTRUCTION VEHICLES OR	200	500 (#)	
IN EMBANKMENT CONDITIONS	300	500 (#)	
*) INCLUDES OVERLAY ABOVE THE TOP OF THE P **) BELOW THE UNDERSIDE OF THE PAVEMENT #) SUBJECT TO COMPLIANCE WITH AS1762, AS20	IPE OF NOT LESS TH	AN 50mm THICK 3725 OR AS 4060	



TYPICAL DETAILS- PLANTER BOX, BALCONY & TERRACE GRATE NTS







	DESIGNED BY : EZ JOB No DW			ISSUED BY : ENGINEERS NUSTRALIA MEMORY BE MIE AU	st PENG
			No	No IN SET	ISSUE
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