PROPOSED ALTERATIONS AND ADDITIONS 59 HERBERT AVENUE, NEWPORT NSW 2106 STORMWATER MANAGEMENT DESIGN

GENERAL DRAINAGE NOTES

- 1. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LOCAL COUNCIL'S RELEVANT SPECIFICATIONS AND/OR STORMWATER CODE. ANY DISCREPANCY VARIATION OR ADDITIONAL WORK SHALL BE APPROVED BY THE PRINCIPAL CERTIFIER.
- 2. ALL SERVICES SHALL BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF WORK
- 3. DIAL BEFORE YOU DIG SHALL BE CONTACTED PRIOR TO COMMENCEMENT.
- 4. ALL DRAINAGE PIPEWORK AND PLUMBING SHALL BE INSTALLED BY A CERTIFIED PLUMBER IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS AS3500 AND COUNCIL REQUIREMENTS.
- 5. ALL DRAINAGE PIPES ARE TO BE SEWER GRADE UNLESS NOTED OTHERWISE. 6. ALL COVERS, GRATES AND FRAMES ARE TO BE CLASS C HEAVY DUTY WHERE
- SUBJECT TO VEHICULAR TRAFFIC.
- 7. ALL COVERS, GRATES AND FRAMES ARE TO BE CLASS A MEDIUM DUTY WHERE SUBJECT TO PEDESTRIAN TRAFFIC OR IN LANDSCAPE AREAS.
- 8. COUNCIL PERMIT/APPROVAL SHALL BE OBTAINED PRIOR TO WORKS ON COUNCIL LAND AND CONNECTION TO COUNCIL SYSTEM.
- 9. ALL PIPE BENDS TO BE FITTED WITH AN INSPECTION OPENING

RAINWATER TANK NOTES

- 1. THE TANK SHALL NOT BE LOCATED OVER A WATER OR SEWER MAIN UNLESS IT IS INSTALLED IN ACCORDANCE WITH THE REGULATORY AUTHORITY REQUIREMENTS
- 2. ABOVE GROUND TANKS SHALL BE LOCATED AT LEAST 100 MM FROM ANY POTABLE WATER SUPPLY PIPE AND AT LEAST 300 MM FOR BELOW GROUND TANKS

PIPE BEDDING

NOTE A

PIPE SIDE SUPPORT

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59 HERBERT AVENUE

NEWPORT NSW 2106

SIDE ZONE

HAUNCH ZONE

- 3. ALL PLUMBING WORK SHALL BE CARRIED OUT BY A LICENSED PLUMBER IN ACCORDANCE WITH SYDNEY WATER REQUIREMENTS AND COUNCIL **REGULATIONS**
- 4. ALL INLETS SHALL BE SCREENED OR FILTERED TO PREVENT THE ENTRY OF FOREIGN MATTER OR CREATURES.
- 5. REUSE PUMP TO BE INSTALLED BY A LICENSED PLUMBER AND ELECTRICIAN TO SYDNEY WATER REQUIREMENTS
- 6. A SIGN SHALL BE AFFIXED TO THE RAINWATER TANK AND ALL APERTURES CLEARLY STATING THAT THE WATER IN THE TANK IS RAINWATER
- 7. NOISE EMISSIONS FROM ANY PUMP SHALL MEET COUNCIL'S REQUIREMENTS.
- 8. WATER RETAINED FOR INDOOR HOUSEHOLD USE SHALL BE AUGMENTED BY MAINS WATER SUPPLY AND APPROVAL OBTAINED BY SYDNEY WATER.
- 9. WHERE RETAINED WATER IS AUGMENTED BY MAINS WATER SUPPLY A BACKFLOW PREVENTION DEVICE AND FLOW RESTRICTOR SHALL BE INSTALLED IN ACCORDANCE WITH AS 3500 AND SYDNEY WATER REQUIREMENTS
- 10. ALL INLETS SHALL BE FITTED WITH A FIRST FLUSH DEVICE PRIOR TO DISCHARGING TO THE RAINWATER TANK.
- 11. THE INDIRECT CONNECTION TO MAINS WATER SUPPLY SHALL HAVE A VISIBLE AIR GAP IN ACCORDANCE WITH AS 3500.

CLIENT NAME: 1 FLAME TREE PLACE SIGN 1 FLAME TREE PLACE CHERRYBROOK NSW 2126 **BRAD BOERSMA** MOBILE: 0417 671646 NGINEERS MOBILE: 04 17 07 10-04 EMAIL: waterdes@big ABN: 77 928 166 729 EMAIL: waterdes@bigpond.net.au © All design and drawings are the property of Waterdesign Civil Engineers. This drawing must not

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*) INCLUDES OVERLAY ABOVE THE TOP OF THE PIPE OF NOT LESS THAN 50mm THICK (**) BELOW THE UNDERSIDE OF THE PAVEMENT

- (#) SUBJECT TO COMPLIANCE WITH AS1762, AS2033, AS/NZS 2566.1, AS3725 OR AS 4060
- IPE UNDERLAY BED ZONE PROJECT TITLE ALTERATIONS AND ADDITION

	DRAWING TITLE:	DRAWN: A I	APPROVED BY:			
١S	COVER SHEET AND NOTES		ANDREW LAM MIEAust B.E. Civil (Hons)			
		01.07.2021				
		JOB No:	DWG NO: no. IN SET	-		
		2021-038	SW1 3	No.	. REVISION / ISSUE DESCRIPTION DA	TE

NORTHERN BEACHES COUNCIL REQUIREMENTS

THE STORMWATER DRAINAGE SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH NORTHERN BEACHES COUNCIL WATER MANAGEMENT FOR DEVELOPMENT POLICY REGION 1 - NORTHERN CATCHMENT AND AUSTRALIAN STANDARDS AS3500.3

DESIGN PARAMETERS

SITE AREA (m2)	886.8
PRE-DEVELOPMENT TOTAL IMPERVIOUS AREA (m2)	352.5
POST-DEVELOPMENT IMPERVIOUS AREA (m2)	465.0
INCREASE IN IMPERVIOUS AREA (m2)	112.5
MINIMUM OSD STORAGE CAPACITY REQUIRED (L)	9,000
MAXIMUM OSD DISCHARGE RATE (I/s)	4.0
ORIFICE PLATE DIAMETER (mm)	38
TOTAL STORAGE VOLUME PROVIDED (L)	10,000
BASIX CERTIFICATE REQUIREMENTS	
NO RAINWATER TANK REQUIRED	



SHEET INDEX

DVER SHEET AND NOTES	SHEET SW1
FORMWATER MANAGEMENT PLAN	SHEET SW2
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	ANDREW LA MIEAust B.E.	M Civil (Hons)			
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APPROVED BY:					
	ANDREW LAM MIEAust B.E. Civil (Hons)				
	DWG NO:	no. IN SET			
	SW3	3	No.	REVISION / ISSUE DESCRIPTION	DATE

SCALE N.T.S * EVERY EXTERNAL SUPPLY OUTLET FROM RAINWATER RE-USE TANK TO BE LABELED WITH METALLIC WARNING SIGN

TYPICAL WARNING SIGN



INSPECTION OPENING

OSD CONTROL INSTALL 'TANKWORKS' PERSPEX CIRCULAR ORIFICE DISK WITH 38mm ORIFICE HOLE DRILLED THROUGH (OR SIMILAR).