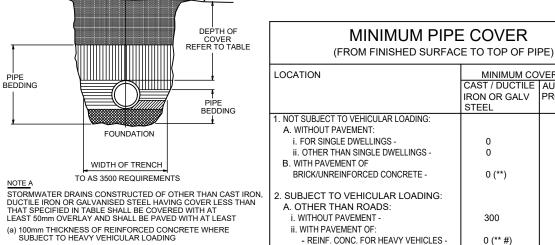
PROPOSED TORRENS TITLE SUBDIVISION 63 FRANCIS STREET, MANLY NSW 2095 STORMWATER MANAGEMENT CONCEPT DESIGN

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
- 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.



RIGID

PIPES

SIDE ZONE

HAUNCH ZONE

BED ZONE

BACKFILL

PIPE OVERLAY

RIGID PIPES

-EXISTING SURFACE

FLEXIBLE PIPES

LEGEND - TRENCH BACKFILL

FLEXIBLE PIPES

PIPE SIDE

PIPE UNDERLAY

SUPPORT

SYMBOL

	i. FOR SINGLE DWELLINGS - ii. OTHER THAN SINGLE DWELLINGS - B. WITH PAVEMENT OF	0 0	100 300		
	BRICK/UNREINFORCED CONCRETE -	0 (**)	50 (**)		
CAST IRON, ESS THAN	2. SUBJECT TO VEHICULAR LOADING: A. OTHER THAN ROADS:				
EAST	i. WITHOUT PAVEMENT -	300	450		
ERE	ii. WITH PAVEMENT OF:				
	- 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				
	IN EMBANKMENT CONDITIONS	300	500 (#)		
	(*) 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

MINIMUM PIPE COVER

MINIMUM COVER (mm)

IRON OR GALV

STEEL

CAST / DUCTILE AUTHORISED

PRODUCTS (*)

)19

WATERDESIGN 1 FLAME TREE PLACE CHERRYBROOK NSW 2126	CLIENT NAME:	PROJECT TITLE:	DRAWING TITLE:	DRAWN: AI
All design and drawings are the property of Waterdesign Civil Engineers. All design and drawings are the property of Waterdesign Civil Engineers. This drawing must not a used, reproduced or copied without the written approval of Waterdesign Civil Engineers.		TORRENS TITLE SUBDIVISION 63 FRANCIS STREET MANLY NSW 2095	COVER SHEET AND NOTES	DATE: 05.09.20 JOB No: 2019-04

NORTHERN BEACHES (MANLY) COUNCIL REQUIREMENTS

THE STORMWATER DRAINAGE SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH MANLY COUNCIL'S SPECIFICATION FOR ON-SITE STORMWATER MANAGMENT 2003 AND AUSTRALIAN RAINFALL AND RUNOFF

DESIGN PARAMETERS:- 20 year ARI storm

SITE AREA (m2). 7434

ON-SITE DETENTION REQUIREMENTS:

THE DEVELOPMENT IS A TORRENS TITLE SUBDIVISION OF ONE LOT INTO TWO. THERE IS NO CHANGES PROPOSED TO THE EXISTING DWELLING ON PROPOSED LOT A. ON-SITE DETENTION WILL BE PROVIDED WITH THE DESIGN OF A FUTURE DWELLING HOUSE ON LOT B. A POSITIVE COVENANT SHALL BE CREATED ON THE 88B INSTRUMENT AFFECTING LOT B

