PROPOSED ALTERATIONS AND ADDITIONS
26 SEAVIEW AVENUE, CURL CURL NSW 2096
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.
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.

EROSION & SEDIMENT CONTROL NOTES

1. ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED, PLACED AND MAINTAINED IN ACCORDANCE WITH LOCAL REGULATORY AUTHORITY SPECIFICATION AND THE EROSION AND SEDIMENT CONTROL PLAN.
2. NO CONSTRUCTION IS TO COMMENCE UNTIL ALL EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE.
3. ALL PERIMETER AND SILTATION CONTROL MEASURES ARE TO BE PLACED PRIOR TO ANY EARTHWORKS AND CLEARING TAKES PLACE.
4. FILTRATION BUFFER ZONES ARE TO BE FENCED OFF AND ACCESS PROHIBITED TO ALL PLANT AND MACHINERY.
5. ALL SEDIMENT TRAPPNG DEVICES ARE TO BE INSPECTED AFTER ALL STORMS FOR STRUCTURAL DAMAGE OR CLOGGING TRAPPED MATERIAL TO BE REMOVED.
6. ALL TOP SOIL IS TO BE STOCKPILED ON SITE FOR REUSE. MEASURES ARE TO BE APPLIED TO PREVENT EROSION OF STOCKPILES.
7. NO DISTURBED AREAS SHALL REMAIN DENUDED LONGER THAN 14 DAYS.
8. NO MORE THAN 150 METRES OF TRENCH IS TO BE OPEN AT ANY TIME.
9. ALL FOOTPATHS BERMS AND BATTER, AD SITE REGRADING AREAS ARE TO BE TOPSOILED WITH MINIMUM 200MM OF SELECTED TOPSOIL.
10. DUST CONTROL MEASURES SHALL BE IMPLEMENTED CONTINUOUSLY DURING CONSTRUCTION WORKS.
11. ALL SITE ACCESS TO BE ACHIEVED FROM DESIGNATED SITE ACCESS PROTECTED BY THE INSTALLATION OF AN APPROVED CONSTRUCTION ENTRY / EXIT RAMP. THIS ENTRY / EXIT RAMP IS TO BE REGULARLY MAINTAINED TO ENSURE ITS EFFECTIVENESS.
12. STREET SWEEPING SHALL BE UNDERTAKEN AS REQUIRED ALONG THE STREET PROPERTY FRONTAGE DURING AND AFTER THE EXCAVATION AND CONSTRUCTION OF THE PROPOSED WORKS UNTIL THE SITE IS FULLY ESTABLISHED.
13. TO PREVENT POLLUTION OF ANY WATERCOURSE AND STREET DRAINAGE SYSTEM THE LOCAL REGULATORY AUTHORITY SHALL BE NOTIFIED AT LEAST 2 DAYS PRIOR TO THE INTENTION TO COMMENCE WORKS FOR COUNCIL TO INSPECT EROSION AND SEDIMENT CONTROL DEVICES WHERE NECESSARY.

NORTHERN BEACHES COUNCIL REQUIREMENTS

THE STORMWATER DRAIAGE SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE NORTHERN BECHES COUNCIL PL-850 (WARRINGAH) STORMWATER MANAGEMENT POLICY AND AUSTRALIAN STANDARDS AS3500.3

ON-SITE DETENTION

ON-SITE DETENTION IS NOT REQUIRED FOR ALTERATIONS AND ADDITIONS DEVELOPMENT

LEGEND

- STORMTECH STAINLESS STEEL GRATED TRENCH DRAIN
- STORMWATER INLET PIT UNLESS NOTED OTHERWISE
- DP5 / 100Ø — DOWNPIPE NUMBER, DOWNPIPE SIZE
- DP5 / SPRD — DOWNPIPE NUMBER, DOWNPIPE SPREADER
- STORMWATER DRAINAGE PIPE

SHEET INDEX

F	SECTION 4.55 ISSUE	26.04.24
E	CONSTRUCTION CERTIFICATE ISSUE	04.01.22
D	BOX GUTTERS REPLACED WITH EAVES GUTTERS	09.10.20
C	SUBSOIL DRAINAGE NOTE ADDED	13.08.20
B	DOWNPIPE AND GUTTER SIZING PROVIDED	10.08.20
No.	REVISION / ISSUE DESCRIPTION	DATE

WATERDESIGN
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CLIENT NAME: ROBBIE BEMPASCUTIO

PROJECT TITLE: ALTERATIONS AND ADDITIONS 26 SEAVIEW AVENUE, CURL CURL NSW 2096

DRAWING TITLE: COVER SHEET AND NOTES

DRAWN: A.L

DATE: 24.07.2020

APPROVED BY: ANDREW LAM MIEAust B.E. Civil (Hons)

JOB No: 2020-037

DWG NO: SW1

no. IN SET: 3

NOTE:

ROAD OPENING PERMIT TO BE OBTAINED FROM COUNCIL PRIOR TO COMMENCEMENT OF ANY WORK IN THE ROAD RESERVE

100 Ø UPVC PIPE @ MIIN 1% GRADE GUTTER OUTLET INVERT RL 36.65

450 x 450 POLLUTION CONTROL PIT GRATE RL 38.15 PIPE INVERT RL 37.65

150 mm Ø UPVC CHARGED PIPE TO RAINWATER TANK. ALL PIPES AND DOWNPIPES SHALL BE FULLY SEALED UP TO THE EAVES GUTTERS

PROVIDE A 3,000 LITRE ABOVE GROUND MODLINE RAINWATER TANK BY KINGSPAN (PH 1300 736562) OR SIMILAR TO LOCAL COUNCIL AND SYDNEY WATER REQUIREMENTS
DIMENSIONS - 2,000 (L) x 800 (W) x 2,020 (H)
BASIX REQUIREMENTS:
- MINIMUM TANK CAPACITY REQUIRED = 2,400 L
- COLLECT A MINIMUM ROOF AREA 0F 200 m2
- CONNECTED TO A TAP LOCATED WITHIN 10 METRES TO THE EDGE OF THE POOL AND A COLD WATER TAP THAT SUPPLIES EACH CLOTHES WASHER

150 mm Ø UPVC CHARGED PIPE TO RAINWATER TANK. ALL PIPES AND DOWNPIPES SHALL BE FULLY SEALED UP TO THE EAVES GUTTERS

DP1 100Ø
DP2 100Ø
DP3 100Ø
*DP4 100Ø
DP5 125Ø
DP6 125Ø
DP7 125Ø
DP8 100Ø
*DP9 100Ø

BG1
BG2
EG3
EG4
EG5
EG6

ENTRY RL 40.730

DOUBLE GARAGE RL 40.730

NEW POOL RL 41.150

No. 26
ALTERATIONS AND ADDITIONS
LOWER GROUND FLOOR FFL 38.580
GROUND FLOOR FFL 41.150
FIRST FLOOR FFL 44.250

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DIAL 1100 BEFORE YOU DIG TM
DIAL BEFORE YOU DIG SHOULD BE CONTACTED PRIOR TO ANY EXCAVATION ON SITE

ROOF DESIGN SUMMARY

DOWNPIPE	EFFECTIVE ROOF AREA (m^2)	RAINFALL INTENSITY (mm/hr)	FLOW RATE (l/s)	TOTAL FLOW RATE (l/s)	GUTTER AREA REQUIRED (mm^2)	GUTTER DIMESIONS (mm)	DOWNPIPE SIZE (mm)
DP1	30.0	262	2.2	2.2	BOX GUTTER 1	200 x 125	100Ø
DP2	30.0	262	2.2	2.2	BOX GUTTER 1	200 x 125	100Ø
DP3	19.0	262	1.4	1.4	BOX GUTTER 2	200 x 125	100Ø
*DP4	19.0	262	1.4	3.6	BOX GUTTER 2	200 x 125	100Ø
DP5	52.1	200	2.9	2.9	EG3 - 9,400	#170 x 110	125Ø
DP6	68.2	200	3.8	3.8	EG3 - 12,000	#170 x 110	125Ø
DP7	34.2	200	1.9	1.9	EG4 - 7,000	#170 x 110	125Ø
DP8	16.0	200	0.9	0.9	EG5 - 3,800	SHEERLINE	100Ø
*DP9	3.0	200	0.2	2.4	EG6 - 7,500	SHEERLINE	100Ø

*DP4 & *DP9 - INCLUDES SPREADER DOWNPIPE FROM UPPER ROOF WATER FROM DP1 & DP2
- REFERS TO CUSTOM MADE LYSUAGHT SHEERLINE EAVES GUTTER PROFILE OR SIMILAR
NOTE:
- ALL GUTTERS SHALL HAVE A MINIMUM GRADIENT 1:500 OR STEEPER
- A MINIMUM 25mm FREEBOARD REQUIRED FROM GUTTER OVERFLOW DEVICE TO TOP OF FASCIA IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS 3500.3 - APPENDIX G
- CUSTOM GUTTER CONSTRUCTION DETAILS TO BE IN ACCORDANCE WITH ARCHITECTURAL DESIGN

NOTE: SUBSOIL AG PIPE DRAINAGE

ALL SUBSOIL AG PIPE DRAINAGE LINES AS SHOWN IN THE STRUCTURAL DESIGN PROJECT No. 30605 BY MCKEE AND ASSOCIATES SHALL BE GRAVITY DRAINED TO THE POLLUTION CONTROL PIT VIA THE STORMWATER PIPED DRAINAGE SYSTEM

NOTE:- TREE PRESERVATION

IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN ANY APPROVALS NECESSARY FROM LOCAL COUNCIL PRIOR TO TO ANY WORKS COMMENCING WITH RESPECT TO THE POTENTIAL IMPACT ON ANY TREES FOR ANY WORKS SHOW ON THIS DRAWING

0 10m
SCALE 1:150 @ A3

WATERDESIGN CIVIL ENGINEERS
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PROJECT TITLE: ALTERATIONS AND ADDITIONS
26 SEAVIEW AVENUE
CURL CURL NSW 2096

DRAWING TITLE: STORMWATER MANAGEMENT PLAN

DRAWN: A.L
DATE: 24.07.2020
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APPROVED BY: ANDREW LAM MIEAust B.E. Civil (Hons)
DWG NO: SW2
no. IN SET: 3

No.	REVISION / ISSUE DESCRIPTION	DATE
F	SECTION 4.55 ISSUE	26.04.24
E	CONSTRUCTION CERTIFICATE ISSUE	04.01.22
D	BOX GUTTERS REPLACED WITH EAVES GUTTERS	09.10.20
C	SUBSOIL DRAINAGE NOTE ADDED	13.08.20
B	DOWNPIPE AND GUTTER SIZING PROVIDED	10.08.20

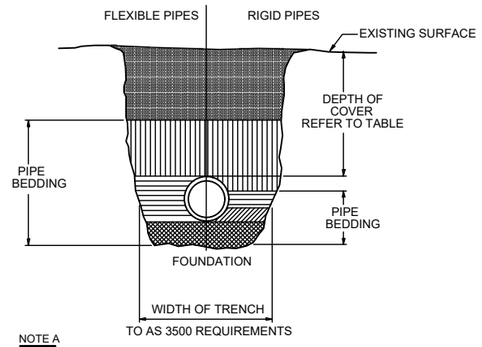
TYPICAL WARNING SIGN

SCALE N.T.S

* EVERY EXTERNAL SUPPLY OUTLET FROM RAINWATER RE-USE TANK TO BE LABELED WITH METALLIC WARNING SIGN

LEGEND - TRENCH BACKFILL

SYMBOL	FLEXIBLE PIPES	RIGID PIPES
	BACKFILL	
	PIPE OVERLAY	
	PIPE SIDE SUPPORT	SIDE ZONE
	–	HAUNCH ZONE
	PIPE UNDERLAY	BED ZONE



NOTE A

STORMWATER DRAINS CONSTRUCTED OF OTHER THAN CAST IRON, DUCTILE IRON OR GALVANISED STEEL HAVING COVER LESS THAN THAT SPECIFIED IN TABLE SHALL BE COVERED WITH AT LEAST 50mm OVERLAY AND SHALL BE PAVED WITH AT LEAST

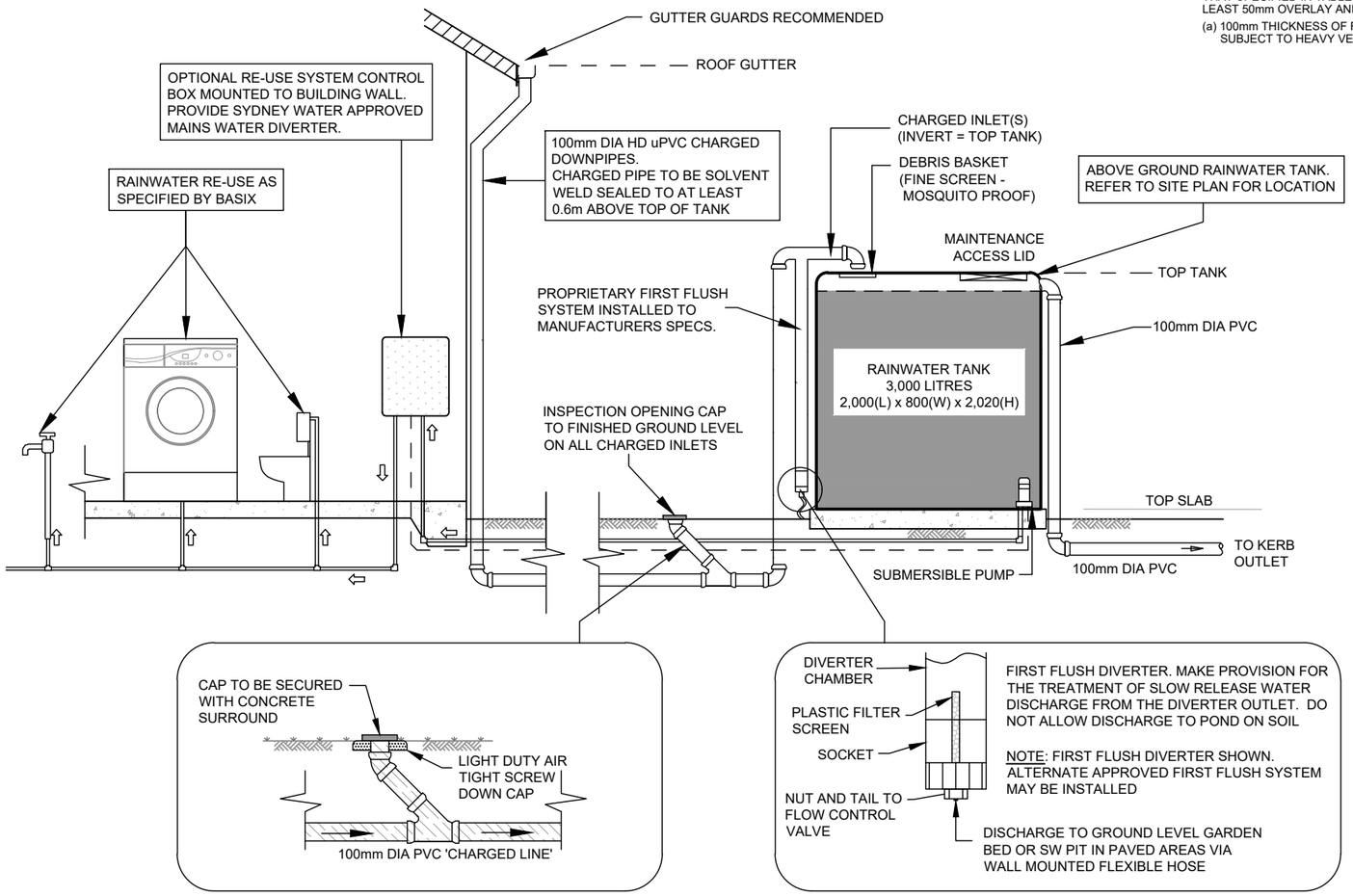
(a) 100mm THICKNESS OF REINFORCED CONCRETE WHERE SUBJECT TO HEAVY VEHICULAR LOADING

MINIMUM PIPE COVER

(FROM FINISHED SURFACE TO TOP OF PIPE)

LOCATION	MINIMUM COVER (mm) CAST / DUCTILE IRON OR GALV STEEL	MINIMUM COVER (mm) AUTHORISED PRODUCTS (*)
1. NOT SUBJECT TO VEHICULAR LOADING:		
A. WITHOUT PAVEMENT:		
i. FOR SINGLE DWELLINGS -	0	100
ii. OTHER THAN SINGLE DWELLINGS -	0	300
B. WITH PAVEMENT OF BRICK/UNREINFORCED CONCRETE -	0 (**)	50 (**)
2. SUBJECT TO VEHICULAR LOADING:		
A. OTHER THAN ROADS:		
i. WITHOUT PAVEMENT -	300	450
ii. WITH PAVEMENT OF:		
- REINF. CONC. FOR HEAVY VEHICLES -	0 (** #)	100 (** #)
- BRICK/UNREINF. CONC LIGHT VEHICLES -	0 (** #)	75 (** #)
B. ROADS		
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

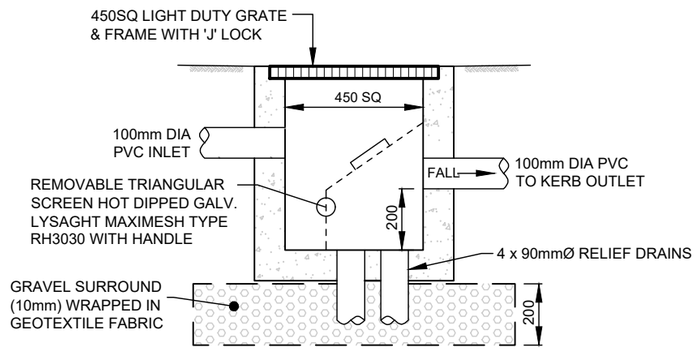


TYPICAL ABOVE GROUND RAINWATER TANK DETAIL

NOT TO SCALE

BASIX CERTIFICATE REQUIREMENTS

- A MINIMUM 2,400 LITRE RAINWATER TANK
- CONFIGURE RAINWATER TANK TO COLLECT A MINIMUM 200 m2 ROOF AREA
- CONNECTED TO A TAP LOCATED WITHIN 10m FROM THE POOL EDGE AND A COLD WATER TAP THAT SUPPLIES EACH CLOTHES WASHER



POLLUTION CONTROL PIT DETAIL

NOT TO SCALE

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PROJECT TITLE: ALTERATIONS AND ADDITIONS
26 SEAVIEW AVENUE
CURL CURL NSW 2096

DRAWING TITLE: SECTIONS AND DETAILS

DRAWN: A.L
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