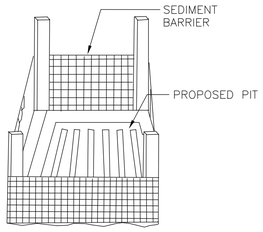
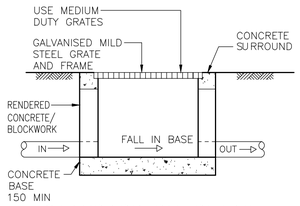


SEDIMENT BARRIER AROUND STORMWATER PIT (DURING CONSTRUCTION)

NOT TO SCALE



STANDARD PIT DETAIL

NOT TO SCALE

THIS IS AN

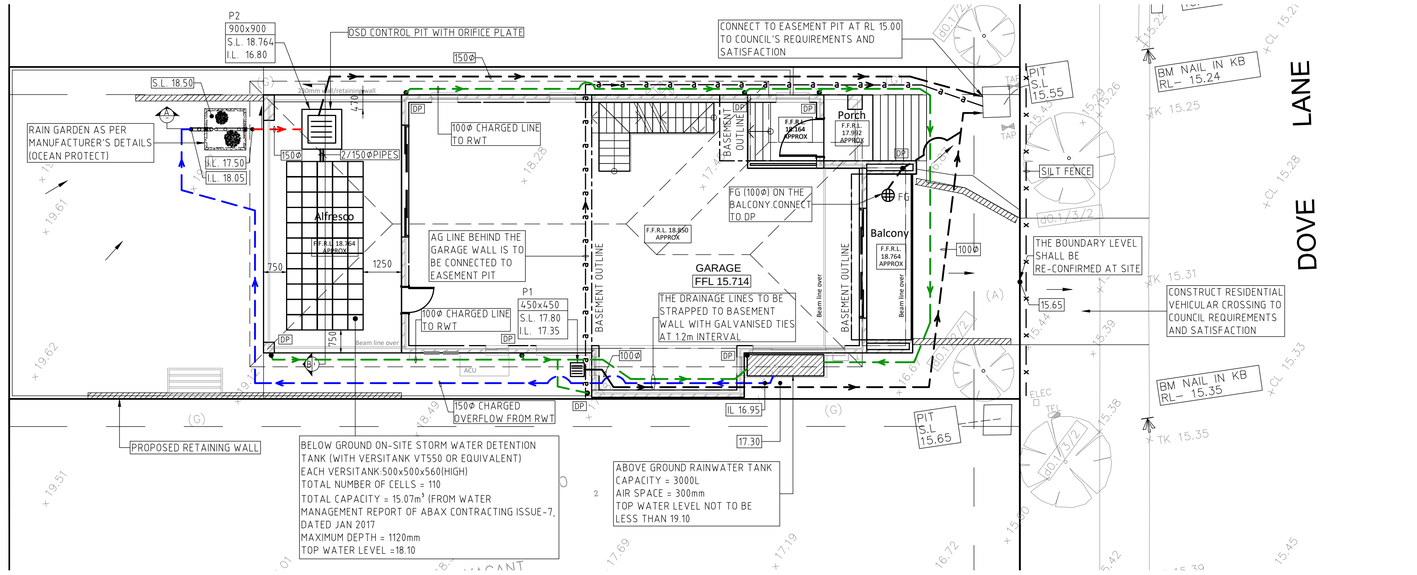
ON-SITE STORMWATER DETENTION SYSTEM

REQUIRED BY YOUR LOCAL COUNCIL

IT IS AN OFFENCE TO REDUCE THE VOLUME OF THE TANK OR BASIN OR TO INTERFERE WITH THE ORIFICE PLATE THAT CONTROLS THE OUTFLOW

THE BASE OF THE OUTLET CONTROL PIT AND THE DEBRIS SCREEN MUST BE CLEANED OF DEBRIS AND SEDIMENT ON A REGULAR BASIS BY THE OWNER

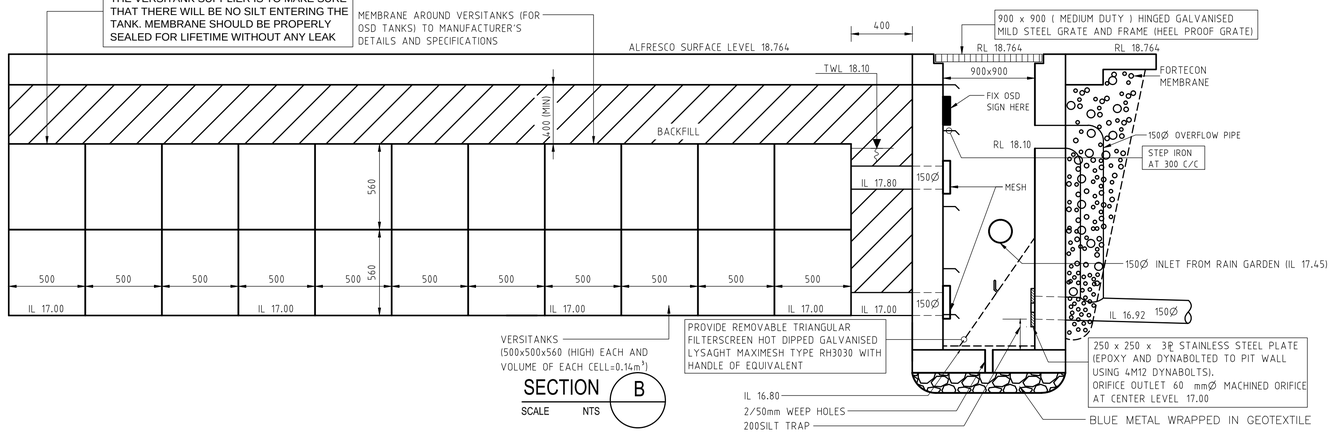
THIS PLATE MUST NOT BE REMOVED



STORMWATER DRAINAGE LAYOUT PLAN

SCALE:- 1:100 @ A1

NOTE:
THE VERSITANK SUPPLIER IS TO MAKE SURE THAT THERE WILL BE NO SILT ENTERING THE TANK. MEMBRANE SHOULD BE PROPERLY SEALED FOR LIFETIME WITHOUT ANY LEAK



RAINWATER TANK NOTES:

CAPACITY:
RAINWATER TANK HAS A CAPACITY AS MARKED IN THE PLAN.

RAINWATER CONNECTION:
TANK WATER WILL BE PLUMBED TO ALL OUTDOOR WATERING, ALL TOILETS AND LAUNDRY ROOM AS PER BASIX REQUIREMENT (TO BE RE-CONFIRMED FROM BASIX REPORT

FIRST FLUSH:
'FIRST FLUSH' DEVICE WILL BE FITTED TO REMOVE SURFACE CONTAMINATION.

NON DRINKING:
TANK WATER WILL NOT BE CONNECTED TO DRINKING OR BATHING WATER OUTLETS.

FULLY ENCLOSED:
TANKS WILL BE FULLY ENCLOSED AND SEALED TO PREVENT ACCESS BY MOSQUITOES.

NON REFLECTIVE FINISH:
TANKS SURFACES WILL HAVE NON REFLECTIVE FINISH.

WARNING LABELS:
A LABEL WILL BE AFFIXED TO THE TANKS WARNING THAT WATER IS NOT TO BE CONSUMED AND RAINWATER SIGNAGE WILL BE PLACED ABOVE ALL TANK WATER OUTLETS.

ROOFING MATERIALS:
THE ROOF SURFACE FROM WHICH RAINWATER IS BEING DRAWN WILL NOT CONTAIN LEAD,TAR,ASBESTOS OR PAINTS

BASE:
TANKS WILL BE BUILT ON A SELF SUPPORTING BASE (ABOVE GROUND TANKS ONLY)

WATER PRESSURE:
TANKS WILL BE FITTED WITH SMALL MOTORISED PUMP TO PROVIDE ACCEPTABLE WATER PRESSURE.

PUMP NOISE:
PUMP WILL BE DESIGNED AND LOCATED NOT TO CAUSE A NOISE DISTURBANCE TO NEIGHBOURS (GENERALLY NOT 5 dBA ABOVE BACKGROUND NOISE)

INSTALLATION.
WILL BE INSTALLED BY A LICENSED PLUMBER IN ACCORDANCE WITH SYDNEY WATER REQUIREMENTS AND THE" NSW CODE OF PRACTICE:PLUMBING AND DRAINAGE

BACK FLOW PREVENTION:
A BACK FLOW PREVENTION DEVICE WILL BE PROVIDED AT THE MAINS WATER METER

DUAL SUPPLY.
A TRICKLE TOP-UP SYSTEM WILL BE PROVIDED AT THE MAINS WATER.

BACK UP SUPPLY:
A BACK UP SUPPLY OF MAINS WATER WILL BE PROVIDED IN EVENT OF FALIURE OR MAINTENANCE.

ANAEROBIC ZONE.
WATER WILL BE DRAWN FROM ABOVE THE ANAEROBIC ZONE OF TANKS.

TANK CONSTRUCTION.
TANKS WILL BE STRUCTURALLY SOUND AND CONSTRUCTED IN ACCORDANCE WITH AS/NZ3500.1.2-1998.NATIONAL PLUMBING AND DRAINAGE-WATER SUPPLY-ACCEPTABLE SOLUTIONS.

AIR GAP:
TANKS WILL BE PROVIDED WITH AN AIR GAP IN ACCORDANCE WITH AS/NZ 3500.1.2 AND AS2845.2

ON GOING MAINTENANCE.
TANK WILL BE WELL KEPT AND MAINTAINED BY THE OWNER.

NOTES:

1. ALL WORKS TO BE CONSTRUCTED TO THE REQUIREMENTS AND SATISFACTION OF THE NORTHERN BEACHES COUNCIL DCP.
2. THE DRAINAGE CONTRACTOR IS TO LOCATE AND RELOCATE AS NECESSARY ALL SERVICES ON SITE.
3. THE BUILDER IS TO VERIFY ALL LEVELS ON THE SITE PRIOR TO COMMENCING CONSTRUCTION.
4. SILT FENCE IS TO BE ERECTED PRIOR TO COMMENCING WORK. FENCE TO BE MAINTAINED IN WORKING ORDER DURING THE TIME OF CONSTRUCTION.
5. W.A.E. DRAWING BY A REGISTERED SURVEYOR IS REQUIRED PRIOR TO CERTIFIATION OF DRAINAGE.
6. U.N.O. ALL DOWN PIPES ARE TO BE 100Ø.
7. U.N.O. ALL PIPES TO BE 100Ø CLASS 'SH' WITH 1% MIN SLOPE.
8. ALL THE RETAINING WALLS TO STRUCTURAL ENGINEERS DETAIL AND SHOULD BE WITHIN THE SITE BOUNDARY.
9. ALL THE DOWN PIPES FROM THE ROOF GUTTER TO RAINWATER TANK SHALL BE CHARGED LINES AND SOLVENT WELD JOINTED.
10. PROVIDE OSD SIGN IN THE OSD CONTROL PIT.

LEGEND

DRAINAGE LINE
AG. LINE — a — a
SILT FENCE
EXISTING LEVEL x 44.10 DESIGN LEVEL x 45.61
SILT BARRIER AROUND PIT
CLEANING EYE (OR INSEPECTION EYE) CE
SURFACE LEVEL SL 45.50
INVERT LEVEL IL 45.00
REMOVED TREE

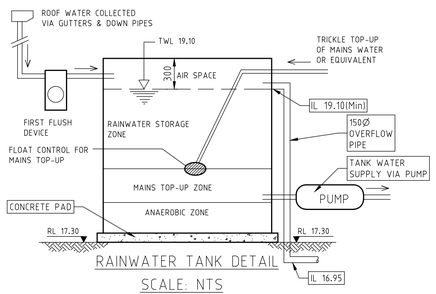
SURFACE INLET PIT
JUNCTION PIT
DOWN PIPE DP
SPREADER PIPE SP
PLANTER GRATE PG
FLOOR GRATE FG
DROPPER DR
STEP IN THE RETAINING WALL

NOTE:
CLEAN OUT LINES FROM THE CHARGED LINES TO BE CONNECTED TO THE NEAREST PITS WITH END CAP AT THE PIT END

NOTE:
THE PIT SURFACE LEVELS AND THE TOP OF RETAINING WALLS SHALL BE RE-CONFIRMED AT SITE

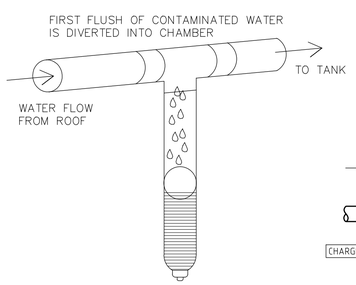
NOTE:
PRIOR TO CONSTRUCTION THE BUILDER IS TO COORDINATE ALL THE PLANS (ARCHITECTURE PLAN, LANDSCAPE PLAN, STRUCTURAL ENGINEER'S PLAN AND THE STORMWATER PLAN) TO MAKE SURE ALL THE DESIGN LEVELS, DOWNPIPE LOCATIONS AND THE FLOOR LEVELS ARE SAME IN ALL THE PLANS.

CAUTION:
ALL THE LEVELS AND DIMENSIONS ARE CRITICAL. PLEASE FOLLOW THE SW PLAN FOR CONSTRUCTION TO AVOID FINAL CERTIFICATION DELAY. IF YOU SEE SOMETHING NOT CORRECT OR NOT SUITED FOR SITE PLEASE CONTACT THE STORMWATER ENGINEER FOR CLARIFICATION AND FURTHER DIRECTIONS.



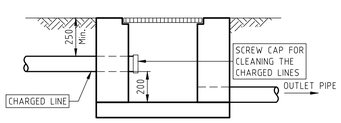
RAINWATER TANK DETAIL

SCALE: NTS



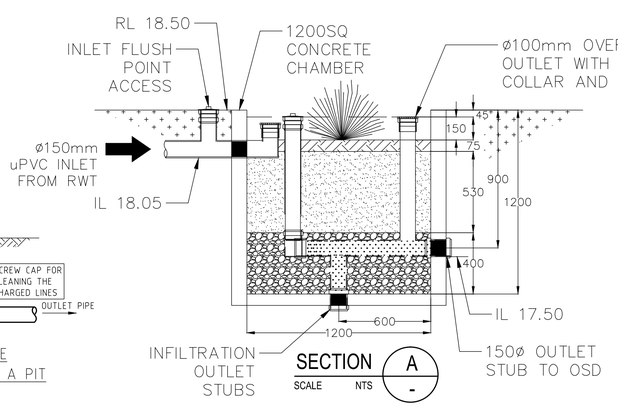
FIRST FLUSH WATER DIVERTER DETAIL

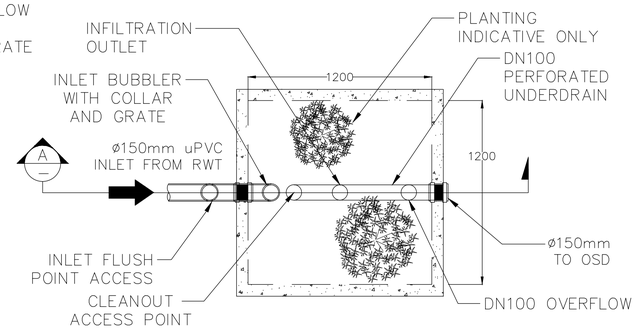
NOT TO SCALE



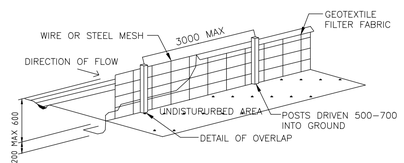
TYPICAL CHARGED LINE CLEAN OUT CONNECTION TO A PIT

NOT TO SCALE





PLAN VIEW - RAIN GARDEN



SILT FENCE DETAIL (TO BE WITHIN THE PROPERTY BOUNDARY -DURING CONSTRUCTION ONLY)

NOT TO SCALE

Issue	Date	Description	BY
B	20.03.2021	RE-ISSUED FOR DA APPROVAL	AJ
A	04.06.2020	ISSUED FOR DA APPROVAL	AJ

DESIGN BY: VNK CONSULTING PTY LTD
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Mobile: 0401 132 386
Email: VNKCONSULTING@GMAIL.COM
PRINCIPAL ENGINEER: LOGAN N LOGESWARAN
QUALIFICATIONS: BscEng, MEng, MEngStud, M.ASCE, MIEAust, CPEng, NER

Drawing Title: STORMWATER DRAINAGE LAYOUT PLAN

DESIGNED	NL
DRAWN	AJ
DATUM	AHD
DATE	04.06.2020

Project: PROPOSED DWELLING
LOT 24 (No. 15) DOVE LANE
WARRIEWOOD NSW 2102

Ref No. 040620-01

Issue: B

SHEET 1 of 1

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