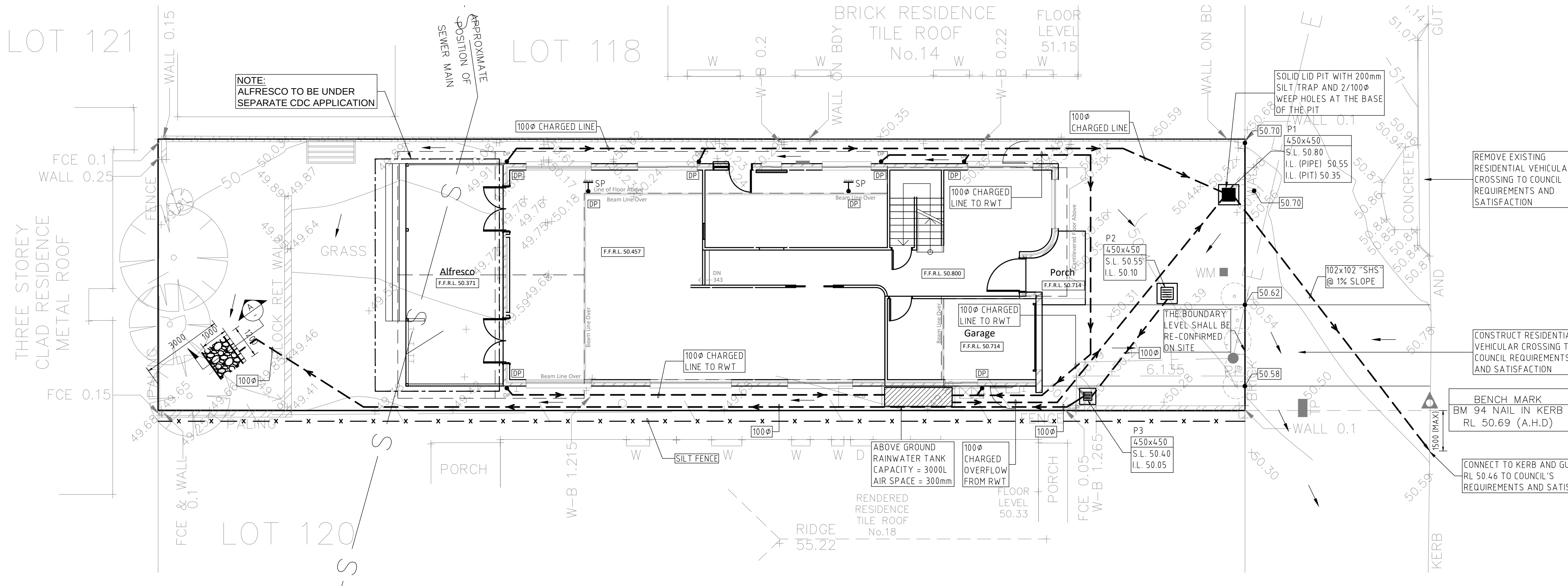




RAINWATER TANK NOTES:

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 BASIC REQUIREMENT (TO BE RE-CONFIRMED FROM BASIC 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 MOTORIZED PUMP TO PROVIDE ACCEPTABLE WATER PRESSURE.

PUMP NOISE:  
PUMP MUST 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 FAILURE 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

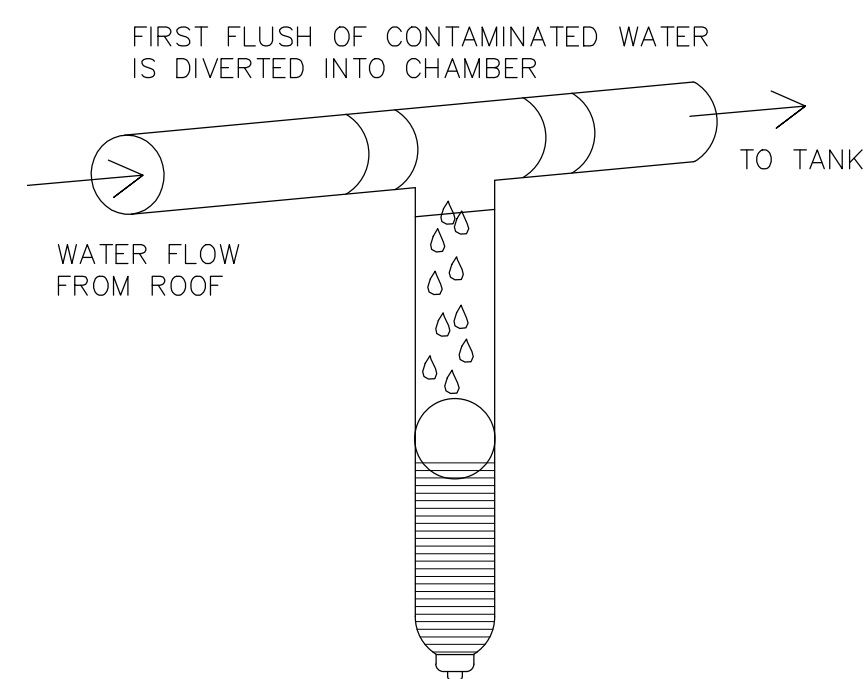
ON GOING MAINTENANCE:  
TANKS WILL BE WELL KEPT AND MAINTAINED BY THE OWNER.

NOTES:

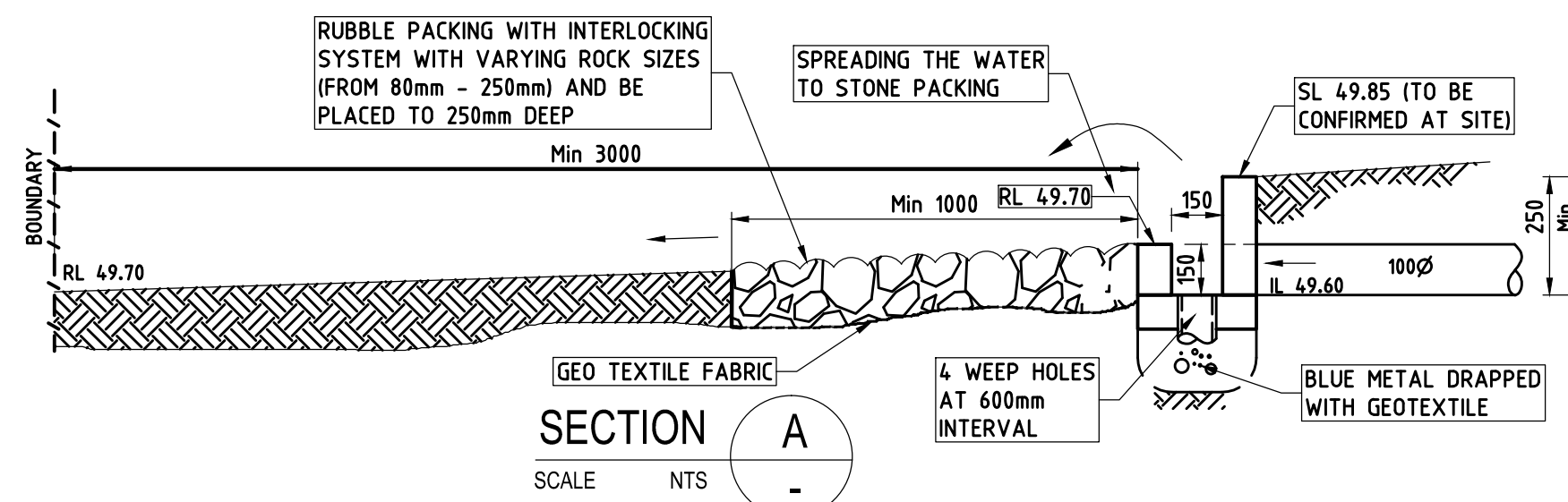
1. ALL WORKS TO BE CONSTRUCTED TO THE REQUIREMENTS AND SATISFACTION OF NORTHERN BEACHES COUNCIL DCP.
2. PRIOR TO COMMENCEMENT OF ANY SITE WORKS, THE BUILDING CONTRACTOR/PLUMBER HAS TO EXPOSE ALL SERVICES IN THE FULL WIDTH OF THE FOOTPATH TO ENSURE THERE ARE NO OBSTRUCTIONS IN THE LINE OF THE DRAINAGE DISCHARGE.
3. THE DRAINAGE CONTRACTOR IS TO LOCATE AND RELOCATE AS NECESSARY ALL SERVICES ON SITE.
4. THE BUILDER IS TO VERIFY ALL LEVELS ON THE SITE PRIOR TO COMMENCING CONSTRUCTION.
5. SILT FENCE IS TO BE ERECTED PRIOR TO COMMENCING WORK. FENCE TO BE MAINTAINED IN WORKING ORDER DURING THE ENTIRE CONSTRUCTION PERIOD.
6. W.A.E. DRAWING BY A REGISTERED SURVEYOR IS REQUIRED PRIOR TO CERTIFICATION OF DRAINAGE.
7. U.N.O. ALL DOWN PIPES ARE TO BE 1000.
8. U.N.O. ALL PIPES TO BE 1000" CLASS 'SH' WITH 1% MIN SLOPE.
9. ALL THE RETAINING WALLS TO STRUCTURAL ENGINEERS DETAIL AND SHOULD BE WITHIN THE SITE BOUNDARY.
10. ALL THE DOWN PIPES FROM THE ROOF GUTTER TO RAINWATER TANK SHALL BE CHARGED LINES AND SOLVENT WELD JOINTED.

## DRAINAGE CALCULATION

1. TOTAL SITE AREA =  $404.50\text{m}^2 < 450\text{m}^2$
2. OSD IS NOT REQUIRED FOR THIS DEVELOPMENT



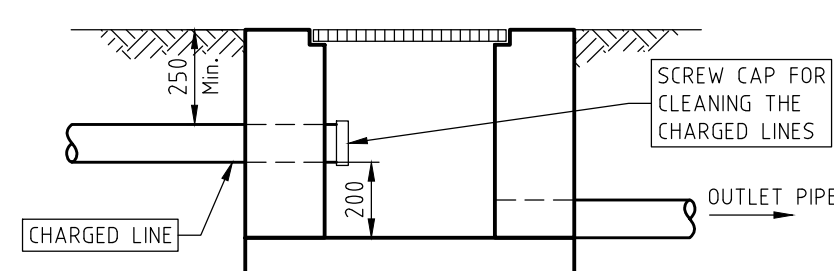
FIRST FLUSH WATER DIVERTER DETAIL  
NOT TO SCALE



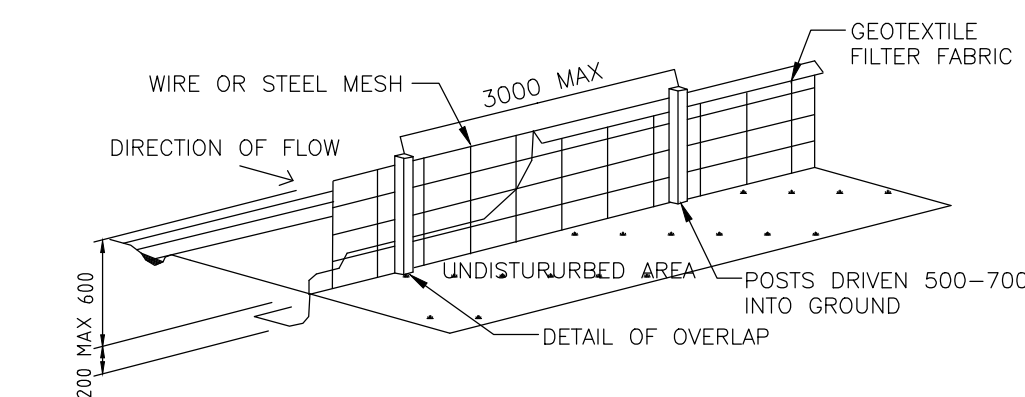
SECTION A

SCALE      NTS

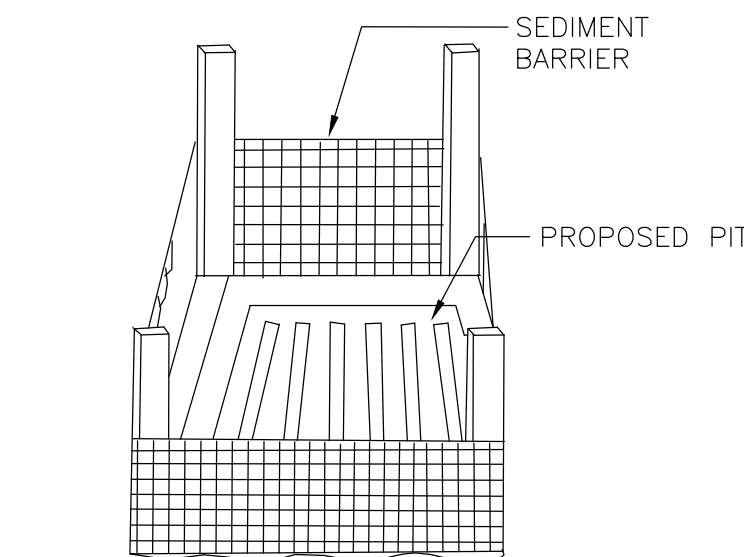
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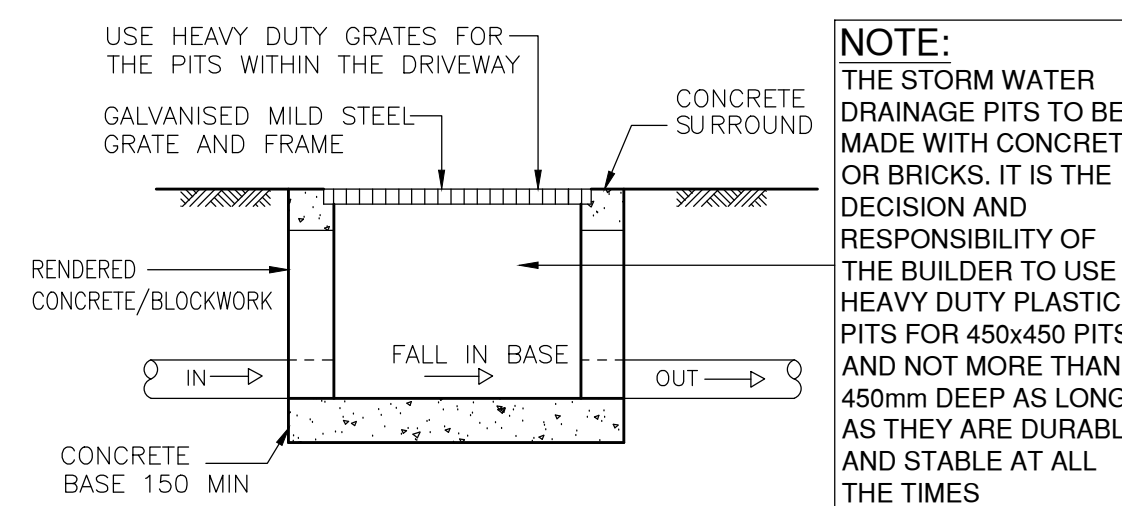
TYPICAL CHARGED LINE  
CLEAN OUT CONNECTION TO A PIT  
NOT TO SCALE



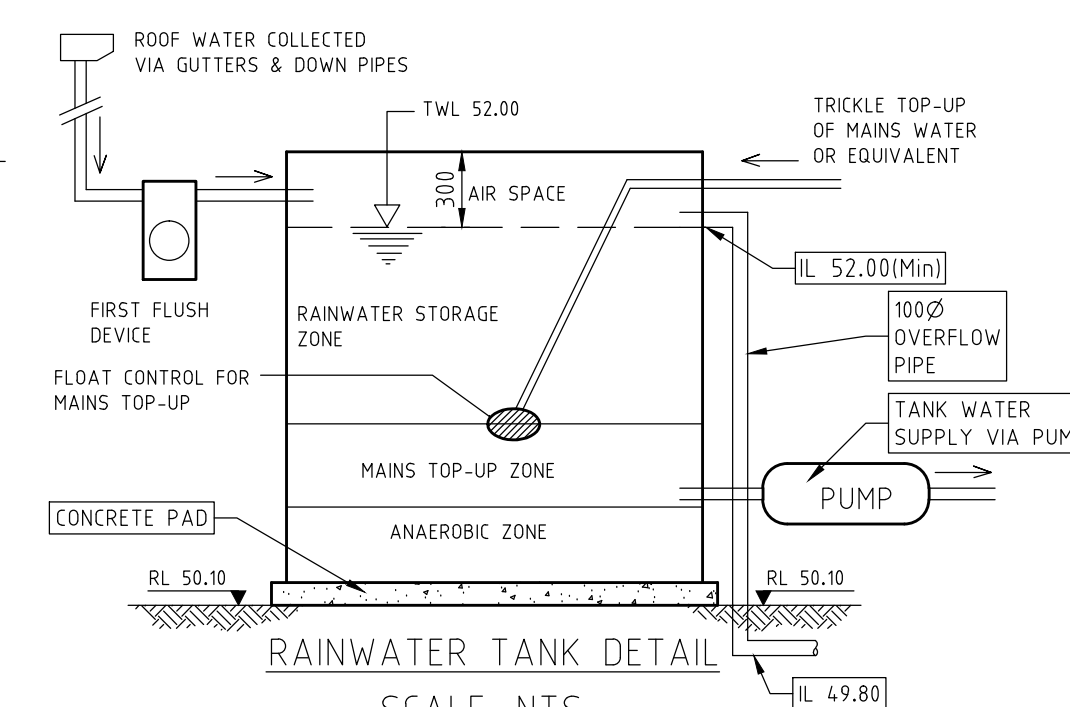
SILT FENCE DETAIL (TO BE WITHIN THE PROPERTY BOUNDARY  
-DURING CONSTRUCTION ONLY)  
NOT TO SCALE



SEDIMENT BARRIER AROUND  
STORMWATER PIT (DURING  
CONSTRUCTION)

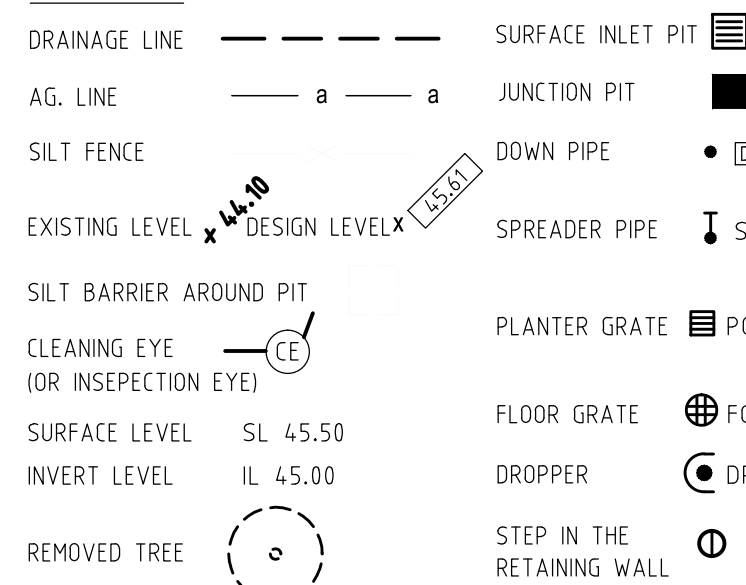


STANDARD PIT DETAIL  
(PROVIDE STEP IRONS @ 300  
CENTRES FOR PITS WHERE THE  
DEPTH EXCEEDS 900mm)



SCALE: NTS

### LEGEND



**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.

**NOTE:**

THE SURFACE INLET PITS SHALL BE HEAVY DUTY PLASTIC PITS IF IT IS LESS THAN 400mm DEEP.

**NOTE:**

PROVIDE FLOOR GRATES (100Ø) FOR THE FIRST FLOOR BALCONIES (DO NOT CONNECT TO THE RAINWATER TANK)

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.

**NOTE:**

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

**NOTE:**

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

|       |            |                           |  |    |                     |                                                                                                                      |                                                              |                                                                                       |          |            |                                                                                                           |                   |
|-------|------------|---------------------------|--|----|---------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------|----------|------------|-----------------------------------------------------------------------------------------------------------|-------------------|
|       |            |                           |  |    | DESIGN BY:          | VNK CONSULTING PTY LTD<br>PO BOX 9118 Harris Park NSW 2150<br>Mobile: 0401 132 386<br>Email: VNKCONSULTING@GMAIL.COM | Drawing Title:<br><br><b>STORMWATER DRAINAGE LAYOUT PLAN</b> |  | DESIGNED | NL         | Project:<br><br><b>PROPOSED DWELLING<br/>LOT 119 (No. 16) ROBERTSON ROAD<br/>NORTH CURL CURL NSW 2099</b> | Ref No. 240421-01 |
|       |            |                           |  |    | PRINCIPAL ENGINEER: | LOGAN N LOGESWARAN                                                                                                   |                                                              |                                                                                       | DRAWN    | AJ         |                                                                                                           | Issue: B          |
| B     | 12.07.2021 | RE-ISSUED FOR DA APPROVAL |  | AJ | QUALIFICATIONS:     | BscEng, MEng, MEngStud, M.ASCE, MIEAust, CPEng, NER                                                                  |                                                              |                                                                                       | DATUM    | AHD        |                                                                                                           | SHEET 1 of 1      |
| A     | 24.04.2021 | ISSUED FOR DA APPROVAL    |  | AJ |                     |                                                                                                                      |                                                              |                                                                                       | DATE     | 24.04.2021 |                                                                                                           |                   |
| Issue | Date       | Description               |  | BY |                     |                                                                                                                      |                                                              |                                                                                       |          |            |                                                                                                           |                   |