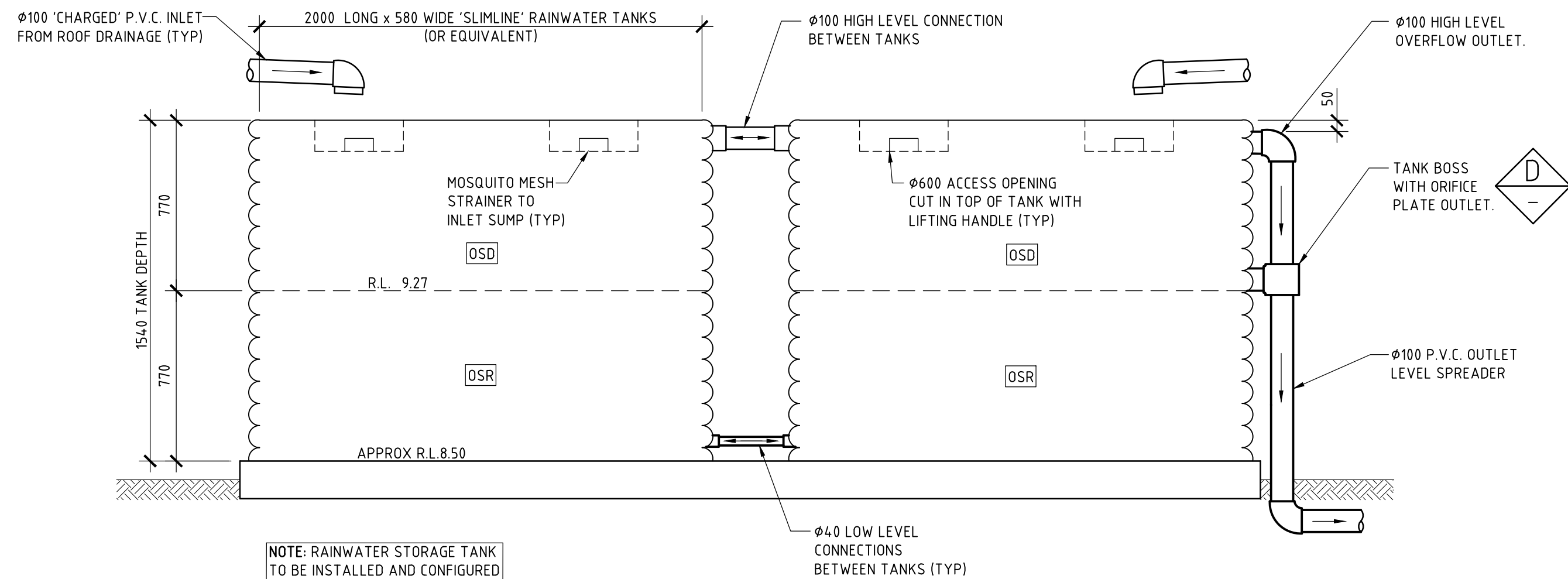
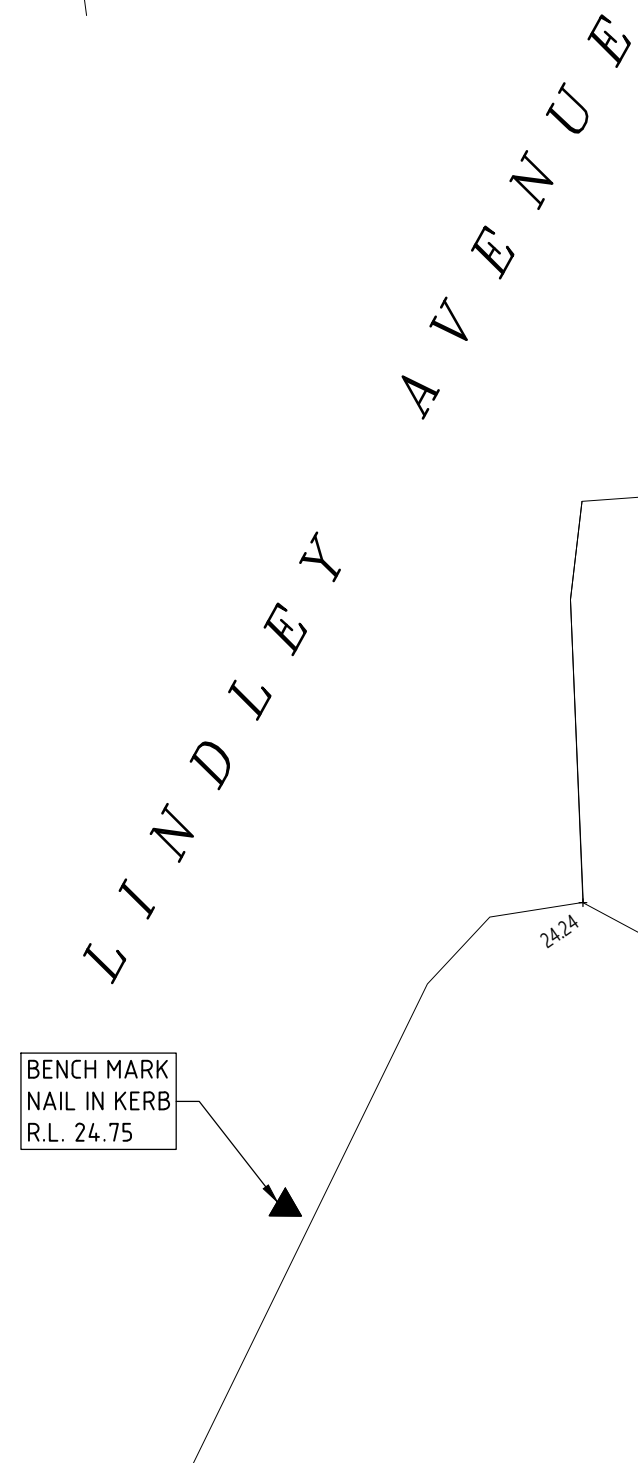




DETAIL  B
SCALE 1:20

300 SQ. ACCESS GRATE

FALL →

← FALL

Ø100 P.V.C. OUTLET

0.57

50

300 SQ.

Ø100 SLOTTED PIPE IN SOCK AND Ø20 GRAVEL BACKFILL SURROUND 2000mm LONG EACH SIDE OF PIT

20mm AGGREGATE

GEOTEXTILE FILTER FABRIC SURROUND

150 APPROX

300 SQ

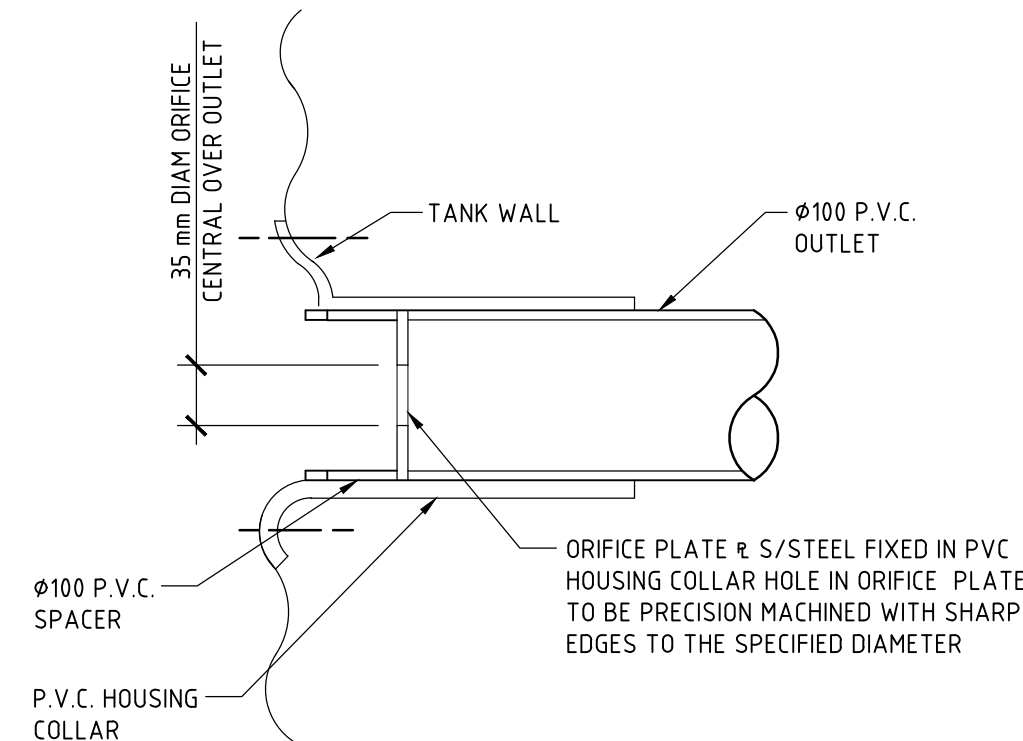
100 SUBSOIL DRAIN AT 1% MIN. GRADE TO PIT

Ø100 P.V.C TO PIT

- DENOTES EXISTING GROUND LEVEL.
2. FALL STORMWATER PIPES AT 1% MINUS OTHERWISE NOTED.
3. SUB-SLOPE DRAINAGE TO BE CONNECTED TO THE SITE DRAINAGE SYSTEM AS NECESSARY.
4. SURFACE GRATES 450 SQ. UNLESS OTHERWISE NOTED.
5. ALL STORMWATER PIPES TO HAVE SOLVENT CEMENT WATER TIGHT JOINTS.
6. CHECK & LOCATE DEPTH OF EXISTING MANH & SERVICES PRIOR TO CONSTRUCTION STORMWATER SYSTEM AS VARIATIONS IN POSITION OF MANH COULD AFFECT DRAINAGE CONSTRUCTION DETAILS.
7. INSPECTIONS MUST BE UNDERTAKEN BY THIS OFFICE BY PRIOR ARRANGEMENT (W/ENGINEER) DURING CONSTRUCTION TO ENABLE FULL CERTIFICATION (ON COMPLETION WORKS).
8. ALL CONSTRUCTION OF COUNCIL DRAINAGE WORKS TO COMPLY WITH COUNCIL STANDARD.
9. REMOVE REDUNDANT DRAINAGE PITS AND SEAL PIPES.
10. PIT BENCHING TO BE HALF THE OUTGOING PIPE DIAMETER. CONCRETE FOR BENCHING TO 20 MPa MASS CONCRETE.
11. APPROVED PRE-CAST PITS MAY BE USED.
12. ALL PIPES TO BE LAID ON COMPACTED FINE CRUSHED ROCK OR SAND BEDDING 75mm THICK & PIPES BACKFILLED WITH COMPACTED SAND TO 300mm ABOVE TOP OF PIPE, ELSE ATTACHED TO UNDERSTORY OF STRUCTURE AT 400mm c/c AS NECESSARY.
13. PIPE ROUTES/SUPERSHOWN ARE INDICATIVE ONLY AND SHOULD BE AS NECESSARY ACCORDING TO SITE CONDITIONS & EXISTING POSITIONS ETC. CONFORM SIGNIFICANT CHANGES IN PIPES SYSTEM DETAILS WITH SUPERVISING ENGINEER PRIOR TO COMMENCEMENT OF DRAINAGE CONSTRUCTION WORKS.
14. CONTRACTOR SHALL ENSURE THAT SERVICES TO BUILDINGS NOT AFFECTED BY THE WORK ARE NOT DISRUPTED. CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS WHERE REQUIRED. UNO WORKS ARE COMPLETED AND COMMISSIONED, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY SERVICES & MAKE GOOD ALL DISTURBED AREAS.
15. STORMWATER SYSTEMS REQUIRE SIGNIFICANT MAINTENANCE DUE TO POTENTIAL HIGH POLLUTANT LOAD. FILTERS AND POLLUTANT TRAPS SHOULD BE CHECKED AFTER LARGE STORM EVENTS AND CLEANED EVERY 6 MONTHS.
16. PLUMBING AND DRAINAGE WORKS TO COMPLY WITH AS-3500, THE NATIONAL DRAINAGE PLUMBING CODE.
17. WHERE POSSIBLE, DRAINAGE LINES SHALL BE LAID IN AREAS PREVIOUSLY DISRUPTED BY OTHER SITE WORKS AND FOLLOW TOPOGRAPHICAL FEATURES TO REDUCE IMPACT & AVOID TREE ROOTS.
18. THIS STORMWATER MANAGEMENT PLAN HAS BEEN PREPARED FOR D.A. SUBMISSION. COUNCIL AND DOES NOT NECESSARILY CONTAIN ALL APPROPRIATE INFORMATION. CONTRACTOR TO ADVISE TO PLUMBER/BUILDER FOR CONSTRUCTION. CONTACT TAYLOR CONSULTING FOR MORE INFORMATION.

2. ROOF WATER ONLY TO BE DRAINED TO THE RAINWATER STORAGE TANKS.
3. THE RAINWATER STORAGE TANKS NEEDS TO BE CONNECTED FOR RE-USE AS REQUIRED BY THE OWNER
4. RAINWATER STORAGE TANKS TO BE CONFIGURED IN ACCORDANCE WITH SYDNEY WATER SPECIFICATIONS' GUIDELINES FOR RAINWATER TANK ON RESIDENTIAL PROPERTIES'.
5. PROVIDE MAINS 'TOP-UP' SUPPLY TO RAINWATER TANKS. MAINS 'TOP-UP' ZONE TO BE BASED ON THE DAILY NON-POTABLE USAGE THAT MAY BE EXPECTED FROM THE TANKS.
6. PROVIDE A MECHANICAL PUMPING ARRANGEMENT (IN SOUND-PROOF HOUSING) TO PUMP SUPPLIERS SPECIFICATION TO SUST INTENDED USAGE OF RAINWATER STORAGE. PUMPING ARRANGEMENTS MUST COMPLY WITH EPA GUIDELINES.
7. INLETS TO RAINWATER TANKS MUST BE SCREENED TO PREVENT THE ENTRY OF FOREIGN MATTER, ANIMALS OR INSECTS.
8. A SIGN MUST BE AFFIXED TO THE RAINWATER TANKS CLEARLY STATING THAT THE WATER IN THE TANKS IS RAINWATER AND IS NOT TO BE USED FOR HUMANE CONSUMPTION
9. RAINWATER TANKS TO BE PLACED ON A STRUCTURALLY ADEQUATE BASE IN ACCORDANCE WITH THE MANUFACTURER'S OR STRUCTURAL ENGINEER'S DETAILS.
10. THE TANKS MUST NOT BE INSTALLED OVER ANY MAINTENANCE STRUCTURE OR FITTINGS USED BY A PUBLIC AUTHORITY.
11. RAINWATER TANKS AND ASSOCIATED PUMPING WORKS TO BE INSTALLED AND CONFIGURED BY A LICENSED PLUMBER. PUMP TO BE INSTALLED BY A LICENSED ELECTRICIAN

ROOF AREA DRAINING TO THE TANK = 75 m^2
 TERRACE AREA NOT DRAINING TO THE TANK = 25 m^2
 IMPERVIOUS AREA DRAINING TO OSD = 75 m^2
 ORIFICE DIAM = 35 mm
 SSR = 1.46 m^3



A diamond-shaped sign with a horizontal line across the middle. The top half contains the letter 'D' and the bottom half contains a minus sign (-).

[illegible]

BE Civil (Hons) MIE Aust

STORM-1