

NOTE: CHECK & LOCATE DEPTH OF EXISTING MAINS & SERVICES PRIOR TO CONSTRUCTION OF STORMWATER SYSTEM AS VARIATIONS IN POSITION OF MAINS COULD AFFECT DRAINAGE CONSTRUCTION DETAILS

STORMWATER DETENTION TANK
TOTAL VOLUME = 17,500 LITRES
STORAGE VOLUME = 16,250 LITRES
STORAGE LENGTH = 5000mm
STORAGE WIDTH = 2500mm
STORAGE DEPTH = 1300mm
TANK DEPTH = 1400mm
TANK FLOOR = R.L. 86.19

PROVIDE LEVEL SPREADER FOR DISCHARGE OF RUNOFF FROM UPPER TO LOWER ROOF AREA (TYP)

SECURE DRAINAGE LINES TO UNDERSIDE OF FLOOR STRUCTURE AS NECESSARY FOR CONNECTION TO RAINWATER STORAGE TANK

PROVIDE $\phi 100$ DOWNPIPE (TYP)

BENCH MARK
BOX IN KERB
R.L. 99.96 (AHD)

JACQUELENE CLOSE

DRAINAGE NOTES

- + DENOTES EXISTING GROUND LEVEL
- FALL STORMWATER PIPES AT 1% MN UNLESS OTHERWISE NOTED.
- SUB-SOIL DRAINAGE TO BE CONNECTED TO THE SITE DRAINAGE SYSTEM AS NECESSARY.
- SURFACE GRATES 300 SQ. UNLESS OTHERWISE NOTED
- ALL STORMWATER PIPES TO HAVE SOLVENT CEMENT WATERTIGHT JOINTS.
- CHECK & LOCATE DEPTH OF EXISTING MAINS & SERVICES PRIOR TO CONSTRUCTION OF STORMWATER SYSTEM AS VARIATIONS IN POSITION OF MAINS COULD AFFECT DRAINAGE CONSTRUCTION DETAILS.
- INSPECTIONS MUST BE UNDERTAKEN BY THIS OFFICE (BY PRIOR ARRANGEMENT WITH ENGINEER) DURING CONSTRUCTION TO ENABLE FULL CERTIFICATION UPON COMPLETION OF WORKS.
- ALL CONSTRUCTION OF COUNCIL DRAINAGE WORKS TO COMPLY WITH COUNCIL STANDARD.
- REMOVE REDUNDANT DRAINAGE PITS AND SEAL PIPES.
- PIT BENCHING TO BE HALF THE OUTGOING PIPE DIAMETER. CONCRETE FOR BENCHING TO BE 20 MPa MASS CONCRETE.
- APPROVED PRE-CAST PITS MAY BE USED.
- 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 UNDERSIDE OF STRUCTURE AT 600mm c/c AS NECESSARY
- PIPE ROUTES SHOWN ARE INDICATIVE ONLY AND SHOULD BE AS NECESSARY ACCORDING TO SITE CONDITIONS, TREE POSITIONS ETC. CONFIRM SIGNIFICANT CHANGES IN PIPES SYSTEM DETAILS WITH SUPERVISING ENGINEER PRIOR TO COMMENCEMENT OF DRAINAGE CONSTRUCTION WORKS.
- CONTRACTOR SHALL ENSURE THAT SERVICES TO BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED. CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS WHERE REQUIRED. ONCE WORKS ARE COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL TEMPORARY SERVICES AND MAKE GOOD ALL DISTURBED AREAS.
- STORMWATER SYSTEM REQUIRES SIGNIFICANT MAINTENANCE DUE TO POTENTIAL HIGH POLLUTANT LOAD. FILTERS AND POLLUTANT TRAPS SHOULD BE CHECKED AFTER LARGE STORM EVENTS AND CLEANED EVERY 6 MONTHS.
- PLUMBING AND DRAINAGE WORKS TO COMPLY WITH AS-3500, THE NATIONAL DRAINAGE & PLUMBING CODE.
- WHERE POSSIBLE, DRAINAGE LINES SHALL BE LAID IN AREAS PREVIOUSLY DISTURBED BY OTHER SITE WORKS AND FOLLOW TOPOGRAPHICAL FEATURES TO REDUCE IMPACT AND AVOID TREE ROOTS.
- THIS STORMWATER MANAGEMENT PLAN HAS BEEN PREPARED FOR D.A. SUBMISSION TO COUNCIL AND DOES NOT NECESSARILY CONTAIN ALL APPROPRIATE INFORMATION TO ENABLE FOR ISSUE TO PLUMBER/BUILDER FOR CONSTRUCTION. CONTACT TAYLOR CONSULTING FOR MORE INFORMATION.

STORMWATER SYSTEM DESIGN DATA

SITE DATA

SITE AREA = 868 m² (100%)
PROPOSED IMPERVIOUS AREA = 319 m² (37%)
PROPOSED LANDSCAPED AREA = 549 m² (63%)

DSO SYSTEM DESIGN DATA

PARTIAL PERMISSIBLE SITE FLOWS (STATE OF NATURE FOR CATCHMENT = 588 m²)

5 YR ARI = 12 l/s

PARTIAL DEVELOPED SITE FLOWS (FOR CATCHMENT = 588 m²)

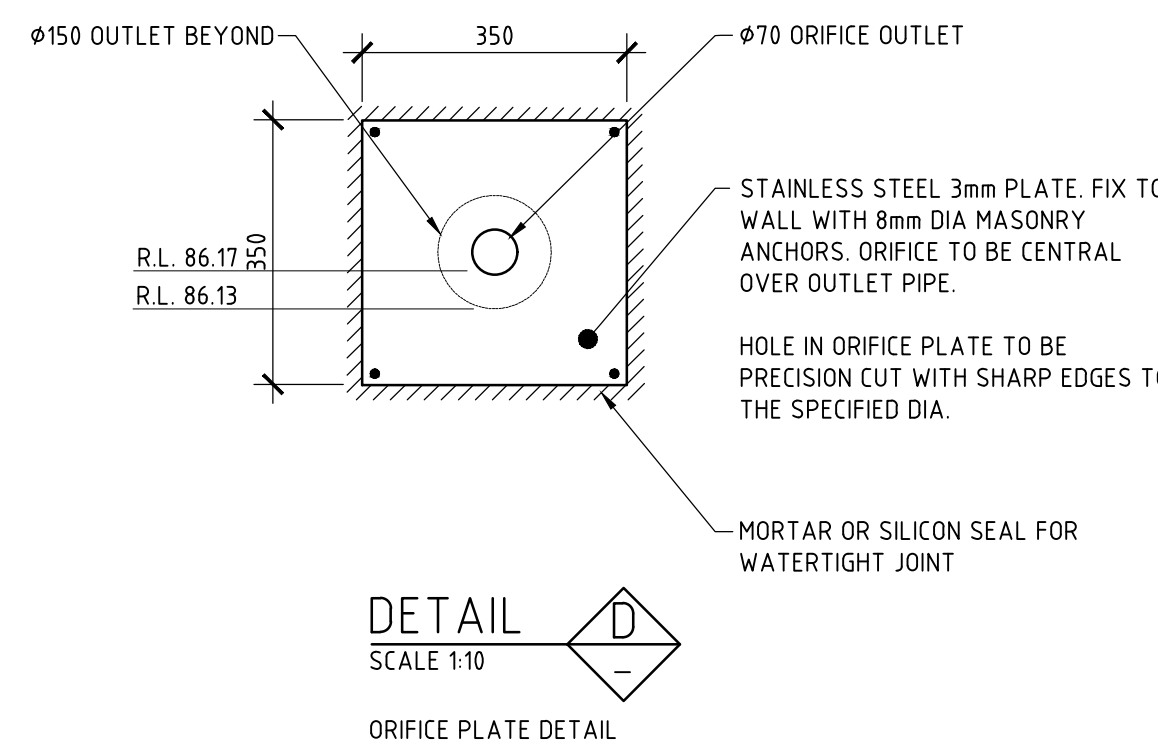
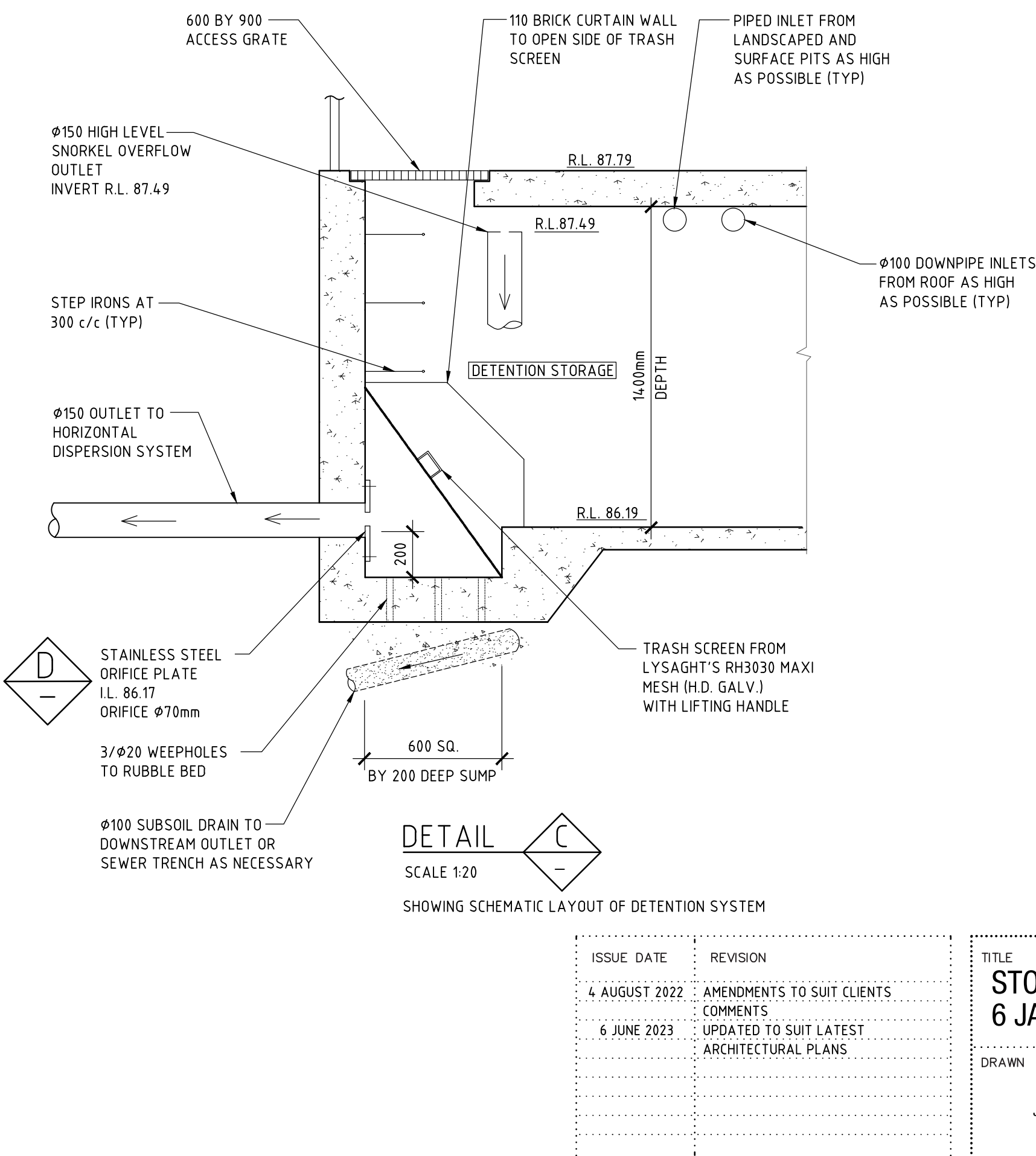
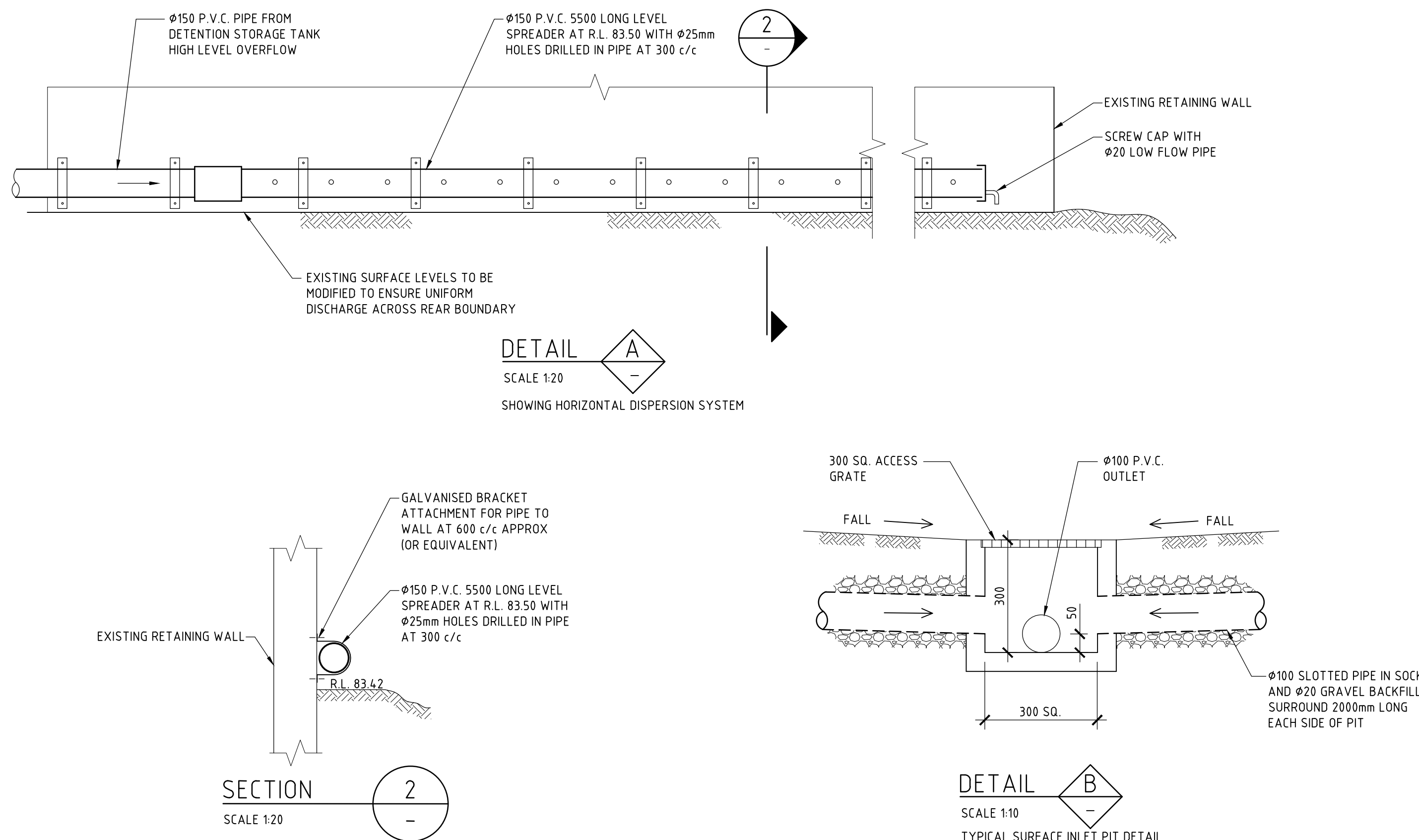
100 YR ARI = 12 l/s

DETENTION SYSTEM DATA

AREA DRAINING TO THE TANK = 588 m²
ORIFICE DIA. = 70 mm
SSR = 16.25 m³

SITE DRAINAGE PLAN

SCALE 1:100



STORMWATER SYSTEM DESIGN DATA

SITE DATA

SITE AREA = 868 m² (100%)
PROPOSED IMPERVIOUS AREA = 313 m² (36%)
PROPOSED LANDSCAPED AREA = 555 m² (64%)
EXISTING IMPERVIOUS AREA = 247 m² (28%)
EXISTING LANDSCAPED AREA = 621 m² (72%)

ISSUE DATE	REVISION
4 AUGUST 2022	AMENDMENTS TO SUIT CLIENTS COMMENTS
6 JUNE 2023	UPDATED TO SUIT LATEST ARCHITECTURAL PLANS

TITLE STORMWATER MANAGEMENT PLAN 6 JACQUELENE CLOSE, BAYVIEW			
DRAWN JBP	DATE 11 JULY 2022	CHECKED 	SCALE @ A1 1:100 1:10 1:20
TAYLOR CONSULTING CIVIL & STRUCTURAL ENGINEERS			