

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

PROVIDE Ø100 DOWNPIPE (TYP)

PROVIDE 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 BOUNDARY PIT (TYP)

300 SQ. BY 300 DEEP INLET PIT  
NOTE: ALL PITS TO HAVE 2.0m LONG SUB-SOIL TAIL INLET

NOTE: PLUMBER TO PERFORM WATER TESTING OF EXISTING PIPED SYSTEM TO DETERMINE CAPACITY AND STATE OF REPAIR. PLUMBER TO INSPECT & REPAIR DAMAGED SECTIONS OF EXISTING PIPE (INCLUDING DOWNPIPES) AS NECESSARY OR PROVIDE NEW DRAINAGE LINES WHERE NECESSARY SUBJECT TO THE APPROVAL BY THE SUPERVISING ENGINEER.

PROVIDE Ø100 SUB-SOIL DRAINAGE LINE IN AGGREGATE SURROUND & CONNECT INTO P.V.C. HARDLINE AS NECESSARY

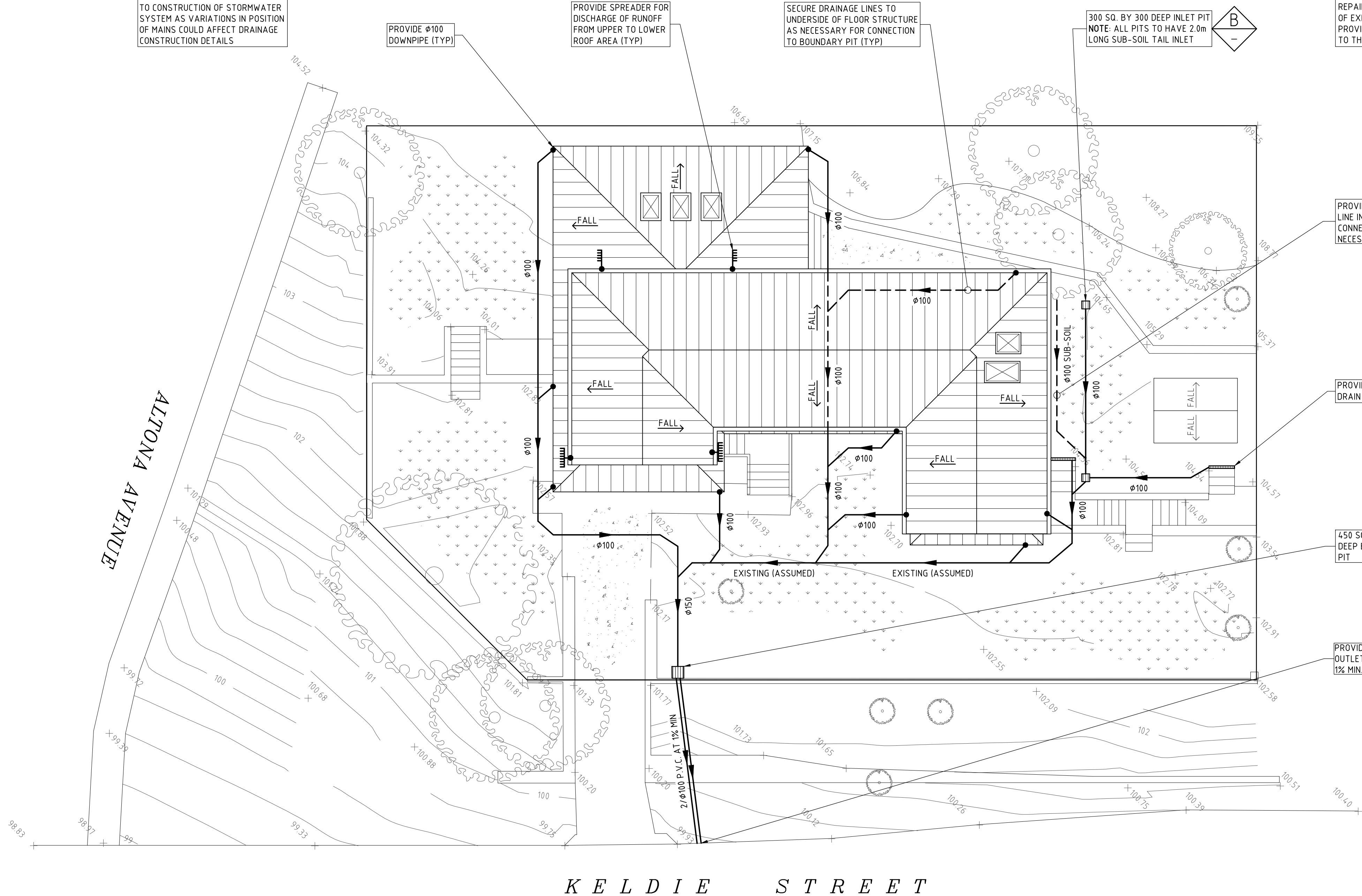
PROVIDE 100 GRATED DRAIN (TYP)

450 SQ. BY 600 DEEP BOUNDARY PIT

PROVIDE 2/Ø100 P.V.C. OUTLETS TO KERB AT 1% MIN. AND 150mm APART

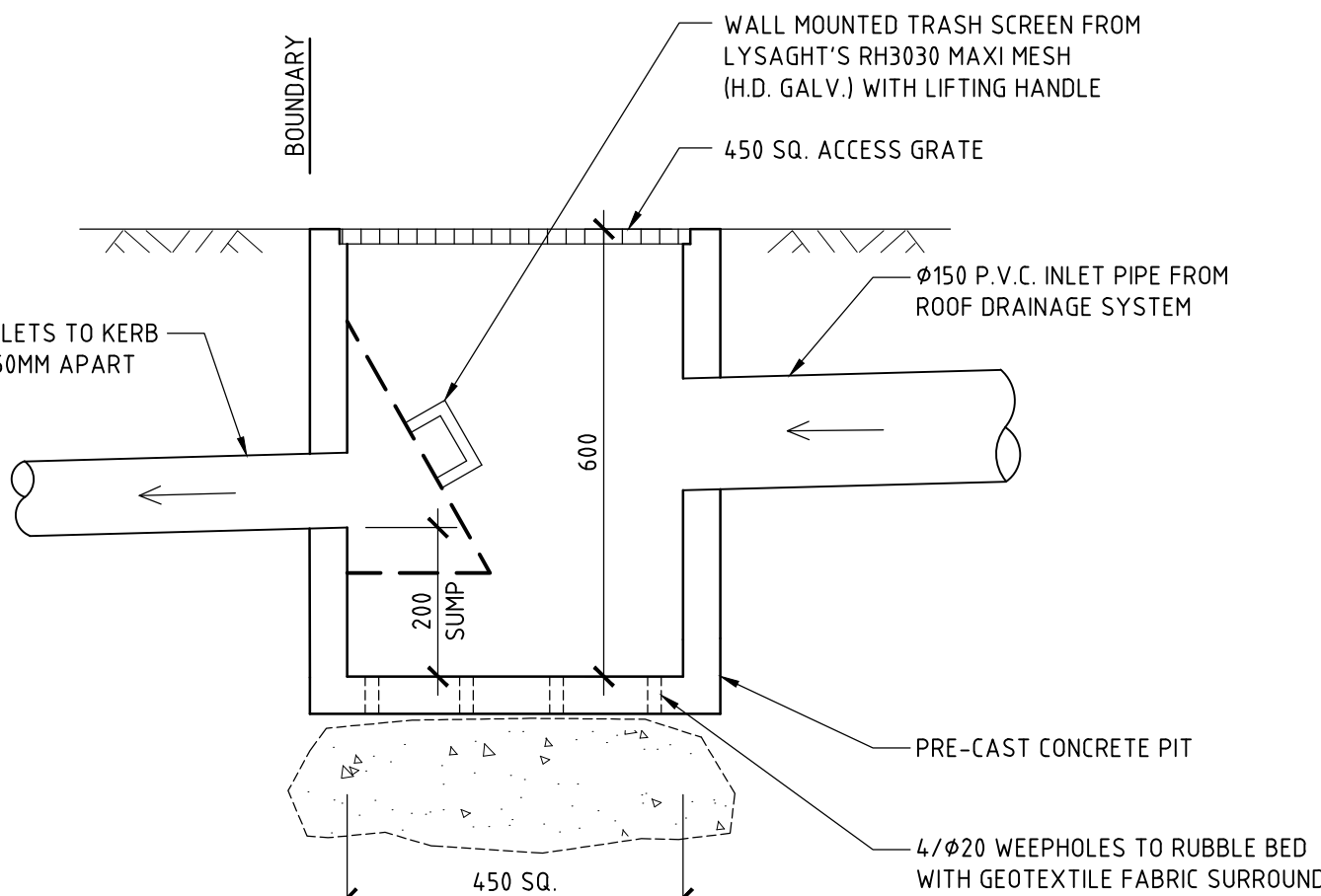
#### DRAINAGE NOTES

- + DENOTES EXISTING GROUND LEVEL
- FALL STORMWATER PIPES AT 1% MIN. 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 SUBMISSION TO COUNCIL/CERTIFIER AND DOES NOT NECESSARILY CONTAIN ALL APPROPRIATE INFORMATION TO ENABLE FOR ISSUE TO PLUMBER/BUILDER FOR CONSTRUCTION. CONTACT TAYLOR CONSULTING FOR MORE INFORMATION.



#### SITE DRAINAGE PLAN

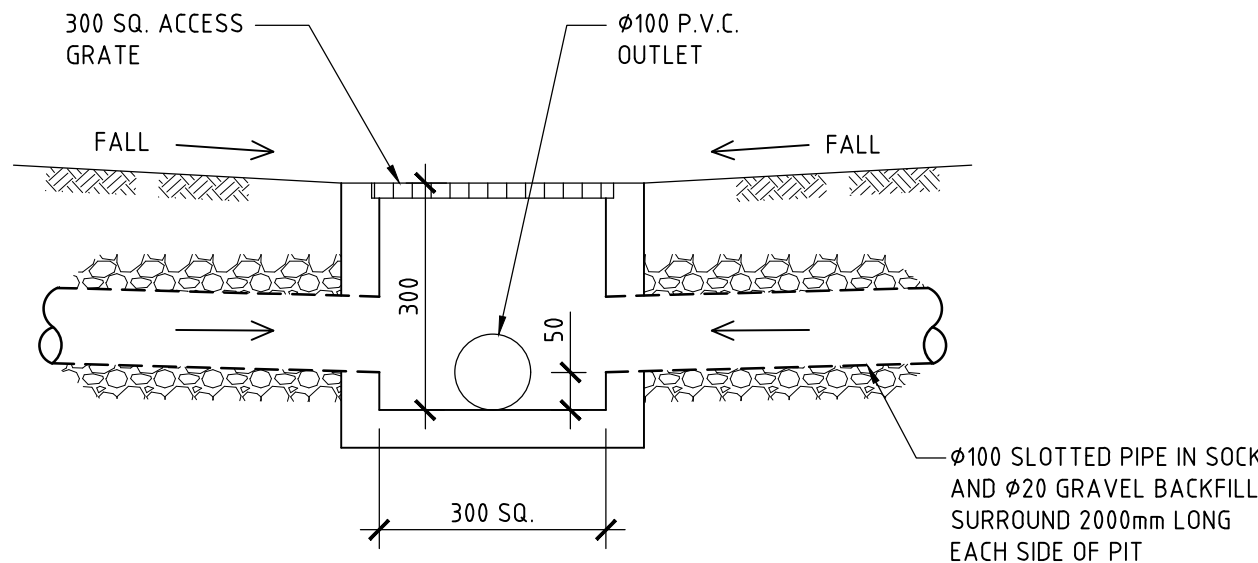
SCALE 1:100



#### DETAIL A

SCALE 1:10

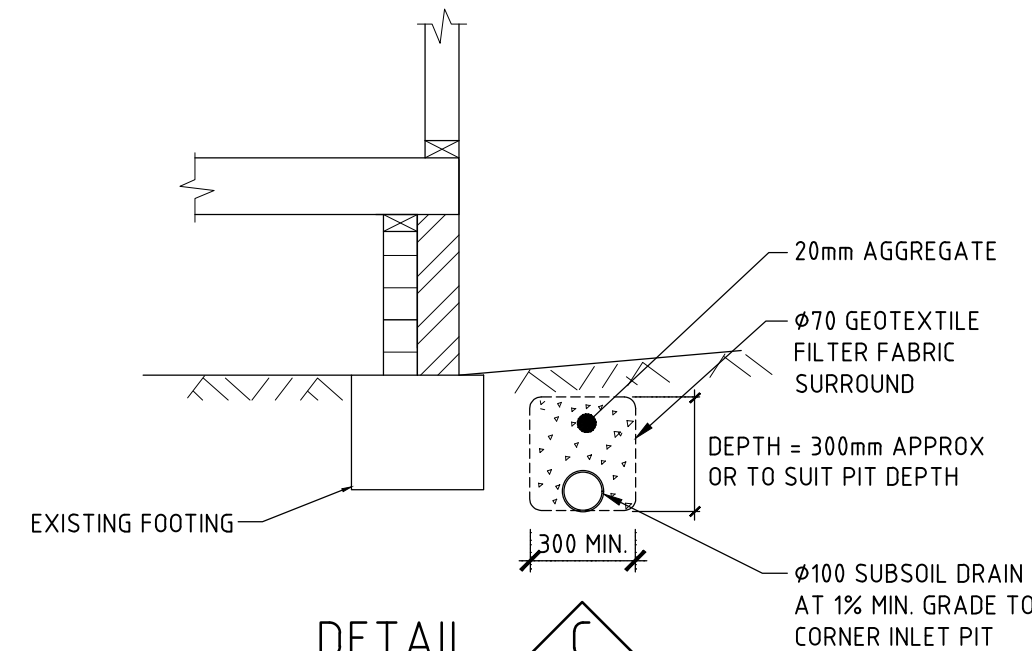
TYPICAL BOUNDARY PIT DETAIL



#### DETAIL B

SCALE 1:10

TYPICAL SURFACE INLET PIT DETAIL



#### DETAIL C

SCALE 1:20

TYPICAL SUB-SOIL DRAINAGE ALONG FOUNDATION WALL

#### STORMWATER SYSTEM DESIGN DATA

##### SITE DATA

SITE AREA = 691.2 m<sup>2</sup> (100%)  
PROPOSED IMPERVIOUS AREA = 289.9 m<sup>2</sup> (42%)  
PROPOSED LANDSCAPED AREA = 401.3 m<sup>2</sup> (58%)  
EXISTING IMPERVIOUS AREA = 310 m<sup>2</sup> (45%)  
EXISTING LANDSCAPED AREA = 381.2 m<sup>2</sup> (55%)

ISSUE	DATE	REVISION

TITLE  
**STORMWATER MANAGEMENT PLAN**  
46A KELDIE STREET, FORESTVILLE

DRAWN: HSC  
DATE: 21 DECEMBER 2022  
CHECKED: [Signature]  
SCALE: A1  
1:100  
1:20  
1:10

BE Civil (Hons) MIE Aust.

**TAYLOR**  
CONSULTING  
CIVIL & STRUCTURAL ENGINEERS

STORM-1