

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

BENCHMARK NAIL IN TOP OF KERB R.L. 5.38 (A.H.D.)

PROVIDE 100 WIDE GAP IN HOB EACH END FOR EMERGENCY OVERFLOW (TYPICAL FOR ALL BALCONY AREAS)

PROVIDE 100 WIDE GRATED DRAINS TO UPPER LEVEL BALCONIES WITH TILLED FALLS TO SUIT NOTE: DISCHARGE GRATES ONTO ADJACENT LOWER LEVEL ROOF AREAS AS NECESSARY

PROVIDE PERMEABLE PAVERS OR APPROVED EQUIVALENT TO DRIVEWAY

PROVIDE 150 WIDE GRATED DRAIN ACROSS GARAGE DOOR

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

SITE DRAINAGE PLAN
SCALE 1:100

PROVIDE 300 WIDE & 200 LONG BY 150 DEEP RAIN HEAD WITH Ø100 P.V.C. OUTLET FROM BASE AND PROVISION FOR EMERGENCY OVERFLOW (TYP)

CONNECT RISING MAIN FROM LOWER GROUND FLOOR TO INLET PIT AND WITH NON-RETURN VALVE. SEE LOWER GROUND FLOOR PLAN FOR CONTINUATION.

PROVIDE Ø150 P.V.C. OUTLET AND MAKE GOOD CONNECTION TO COUNCIL PIT SPP03604 TO SATISFACTION OF SUPERVISOR ENGINEER

450 SQ. BOUNDARY PIT GRATE R.L. - 2.61 INVERT R.L. - 2.16

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.

RAINWATER RE-USE NOTES AND SPECIFICATIONS

- ROOF WATER ONLY TO BE DRAINED TO THE RAINWATER STORAGE TANKS.
- THE RAINWATER STORAGE TANKS NEEDS TO BE CONNECTED FOR RE-USE AS REQUIRED BY THE OWNER.
- RAINWATER STORAGE TANKS TO BE CONFIGURED IN ACCORDANCE WITH SYDNEY WATER SPECIFICATIONS 'GUIDELINES FOR RAINWATER TANK ON RESIDENTIAL PROPERTIES'.
- 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.
- PROVIDE A MECHANICAL PUMPING ARRANGEMENT (IN SOUND-PROOF HOUSING) TO PUMP SUPPLIERS SPECIFICATION TO SUIT INTENDED USAGE OF RAINWATER STORAGE. PUMPING ARRANGEMENTS MUST COMPLY WITH EPA GUIDELINES.
- INLETS TO RAINWATER TANKS MUST BE SCREENED TO PREVENT THE ENTRY OF FOREIGN MATTER, ANIMALS OR INSECTS.
- 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 HUMAN CONSUMPTION.
- RAINWATER TANKS TO BE PLACED ON A STRUCTURALLY ADEQUATE BASE IN ACCORDANCE WITH THE MANUFACTURER'S OR STRUCTURAL ENGINEER'S DETAILS.
- THE TANK MUST NOT BE INSTALLED OVER ANY MAINTENANCE STRUCTURE OR FITTINGS USED BY A PUBLIC AUTHORITY.
- RAINWATER TANKS AND ASSOCIATED PLUMBING WORKS TO BE INSTALLED AND CONFIGURED BY A LICENSED PLUMBER. PUMP TO BE INSTALLED BY A LICENSED ELECTRICIAN.

PROVIDE RAINWATER STORAGE TANK TO BASIX REQUIREMENTS & WITH Ø100 HIGH LEVEL OVERFLOW OUTLET TO BOUNDARY PIT

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

DRAINAGE FROM ROOF TO CONNECT INTO RAINWATER STORAGE TANK AS NECESSARY (TYP)

3200L SUMP & PUMP PIT WITH 600 SQ. ACCESS GRATE

DRAINAGE FROM SITE LANDSCAPE AREA. SEE CONTINUATION ON SITE DRAINAGE PLAN (TYP)

CONNECT RISING MAIN TO INLET PIT AND PROVIDE NON-RETURN VALVE

LOWER GROUND FLOOR PLAN

SCALE 1:100
SHOWING LOWER GROUND FLOOR LEVEL DRAINAGE PROVISIONS

STORMWATER SYSTEM DESIGN DATA

SITE DATA

SITE AREA = 601.7 m² (100%)
PROPOSED IMPERVIOUS AREA = 356 m² (59%)
PROPOSED LANDSCAPED AREA = 245.7 m² (41%)
EXISTING IMPERVIOUS AREA = 287.8 m² (48%)
EXISTING LANDSCAPED AREA = 313.9 m² (52%)

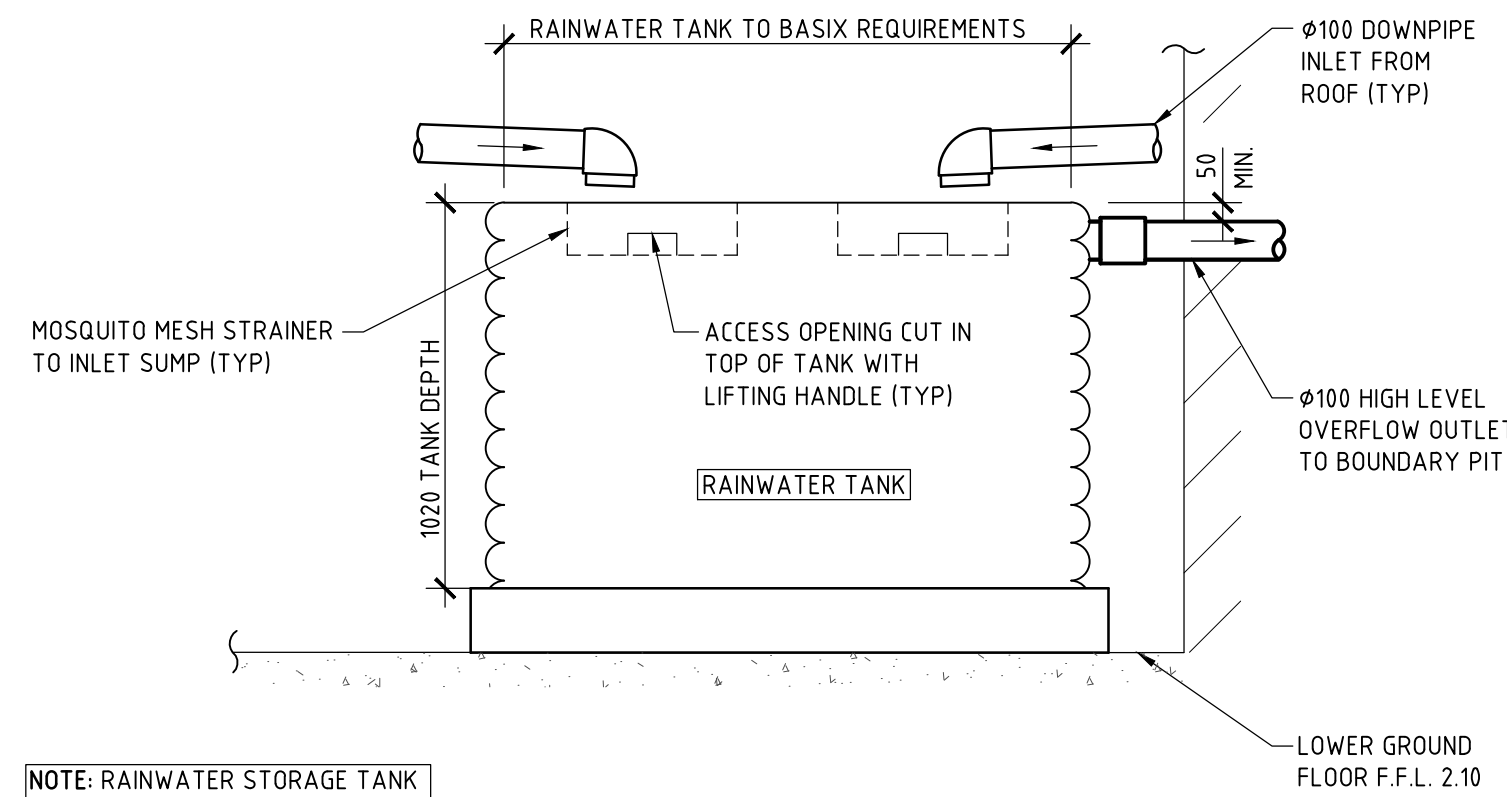
ISSUE DATE	REVISION
29 AUG 2025	CHANGES MADE TO SUIT LATEST PLANS

TITLE
STORMWATER MANAGEMENT PLAN
14 STEWART AVENUE, CURL CURL

DRAWN: LI
ENGINEER: DMS
DATE: 22 AUGUST 2025
CHECKED: [Signature]
SCALE: @ A1
1:100
BY: BE Civil (Hons) MIE Aust.

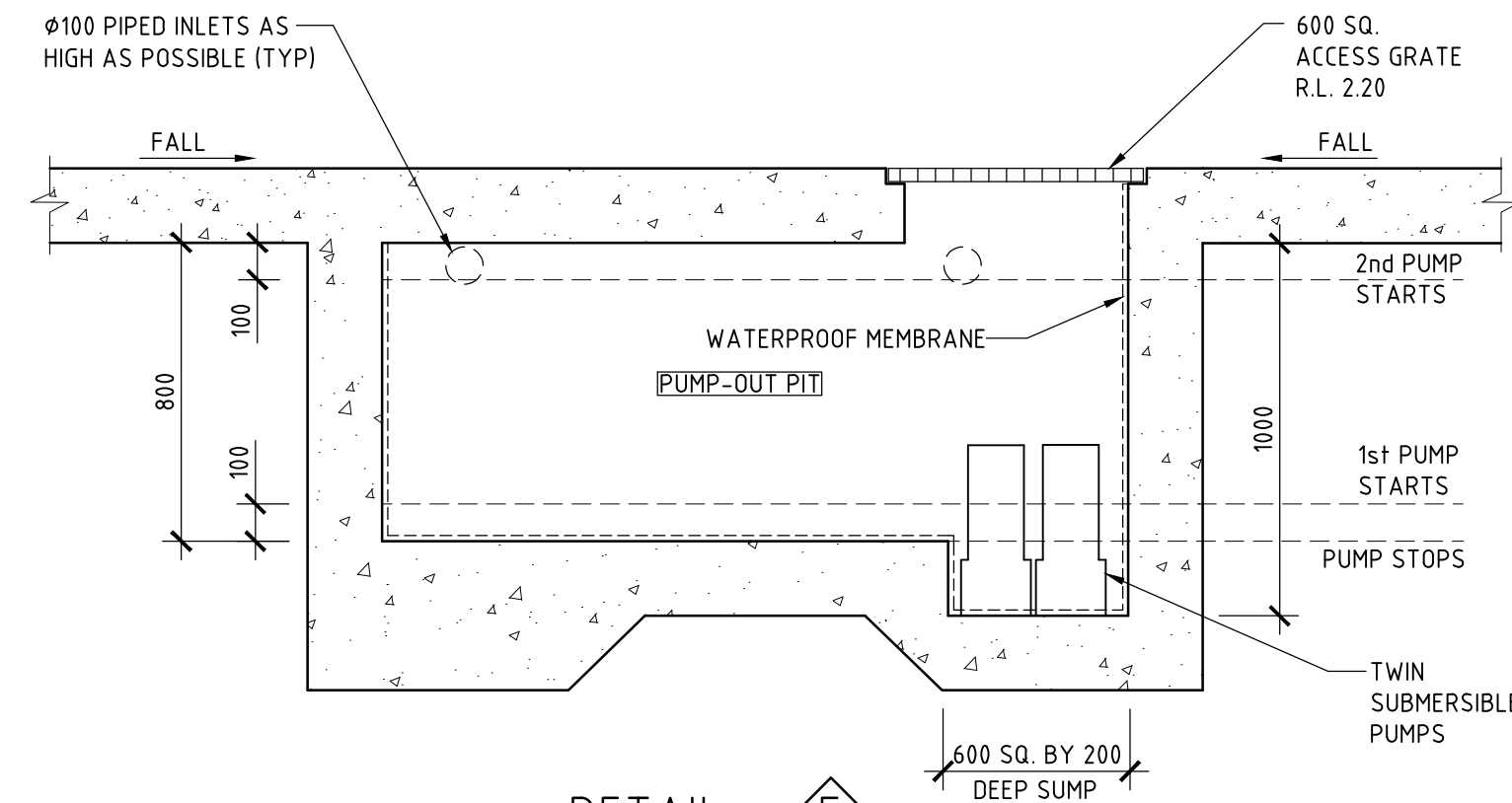


DRAWING NO.
STORM-1/A



NOTE: RAINWATER STORAGE TANK TO BE INSTALLED AND CONFIGURED TO SYDNEY WATER, COUNCIL AND MANUFACTURER'S REQUIREMENTS.

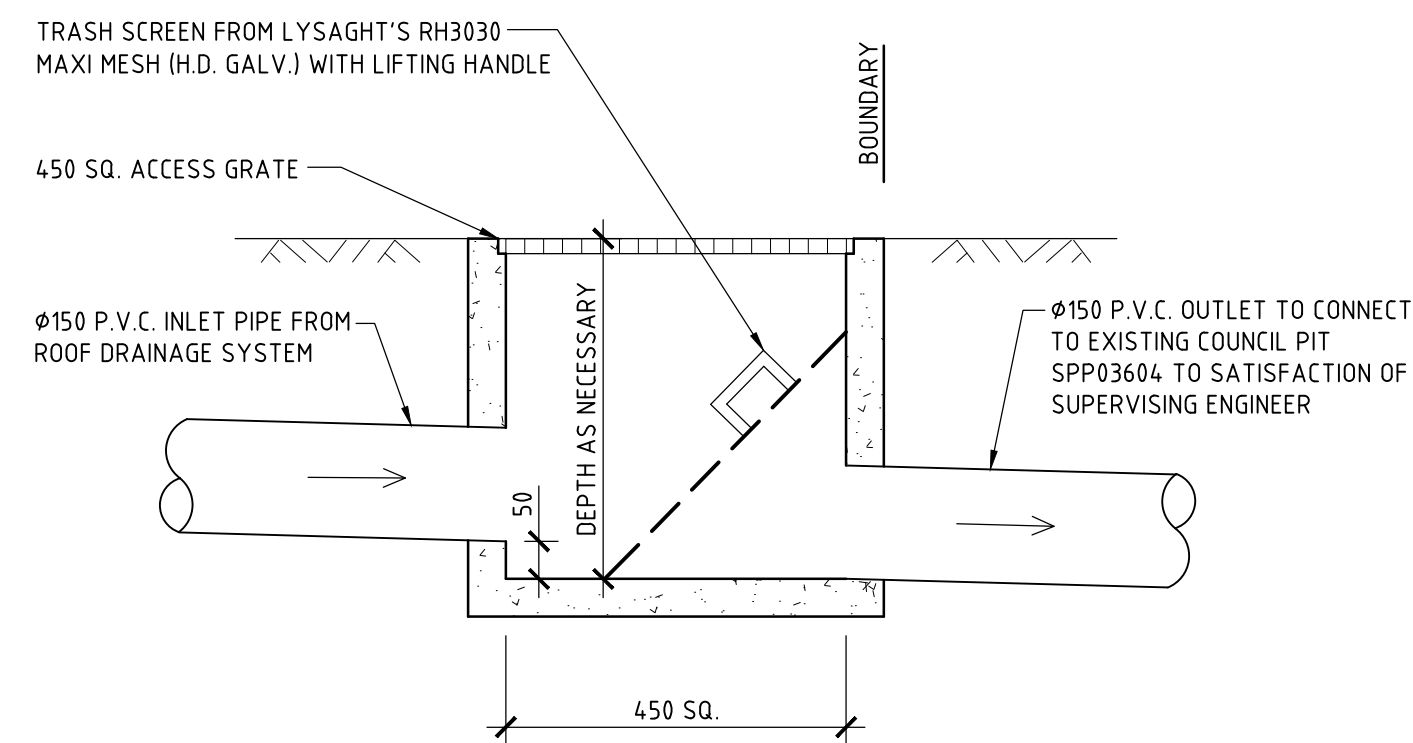
DETAIL A
SCALE 1:20



- PUMP NOTES**
1. TWIN SUBMERSIBLE PUMPS TO BE PROVIDED IN PUMP PIT.
 2. PUMPS TO OPERATE ALTERNATELY AT LOW INLET FLOWRATE & CONCURRENTLY AT HIGH INLET FLOWRATE.
 3. PUMP CAPACITY TO BE 3.0 l/s EACH FOR STATIC HEAD = 8.0m (EXCLUDES OUTLET PIPE LOSSES).
 4. PROVIDE EXTERNAL CONTROL PANEL WITH AUDIO, VISUAL ALARMS & BATTERY POWER BACK-UP.
 5. INLET PIPE TO BE LOCATED CLEAR OF THE HIGH LEVEL FLOAT SWITCH TO PREVENT FALSE ALARMS.

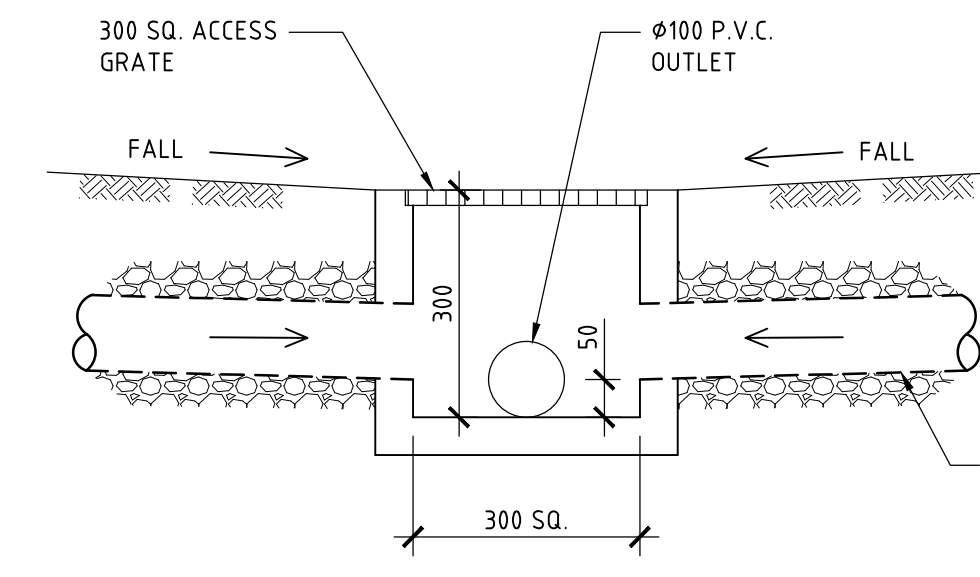
DETAIL F
SCALE 1:20

SHOWING PUMP AND SUMP CONFIGURATION
NOTE: SUMP MAY BE A PROPRIETARY PRODUCT AS PREFERRED BY DEVELOPER



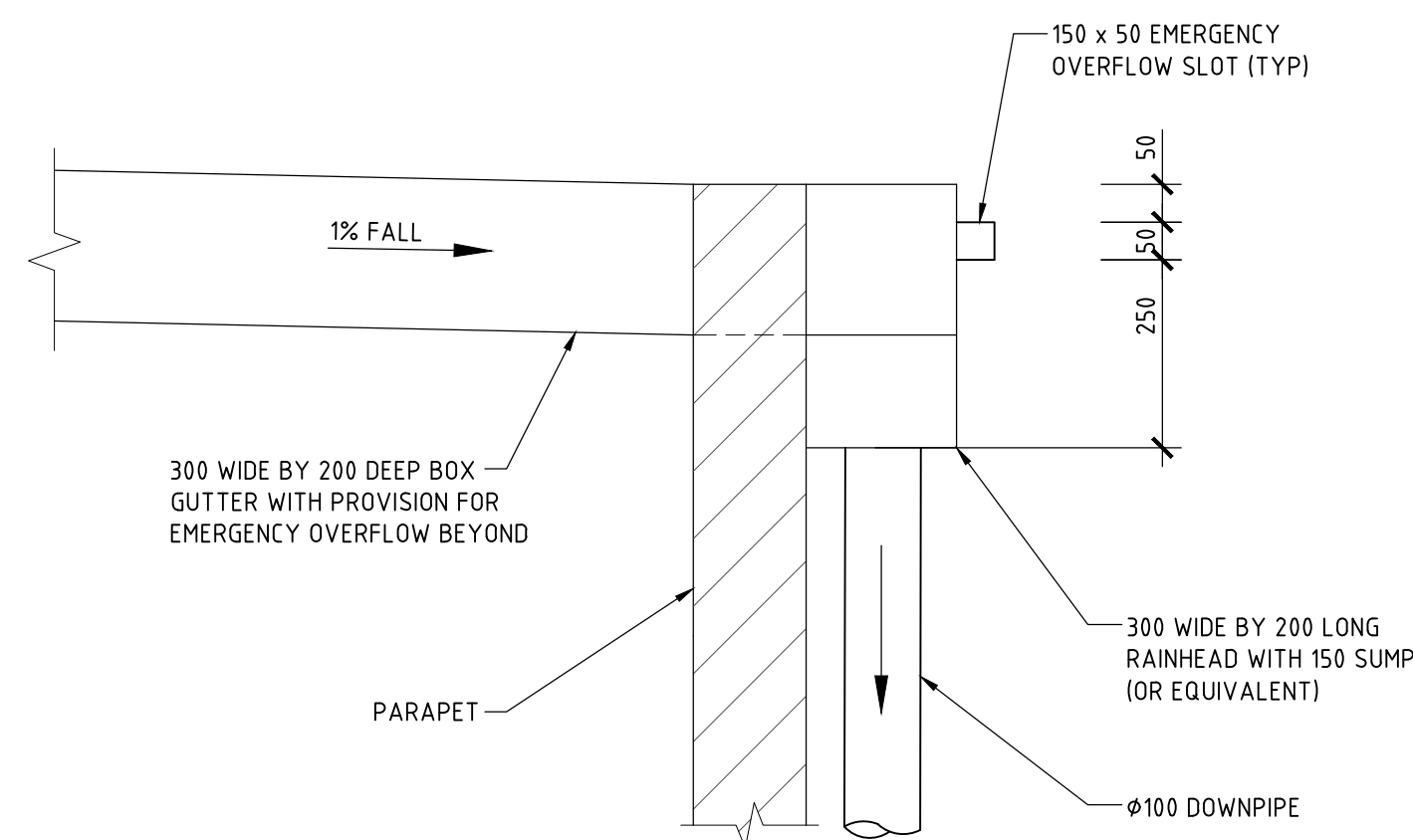
DETAIL B
SCALE 1:10

TYPICAL BOUNDARY PIT DETAIL

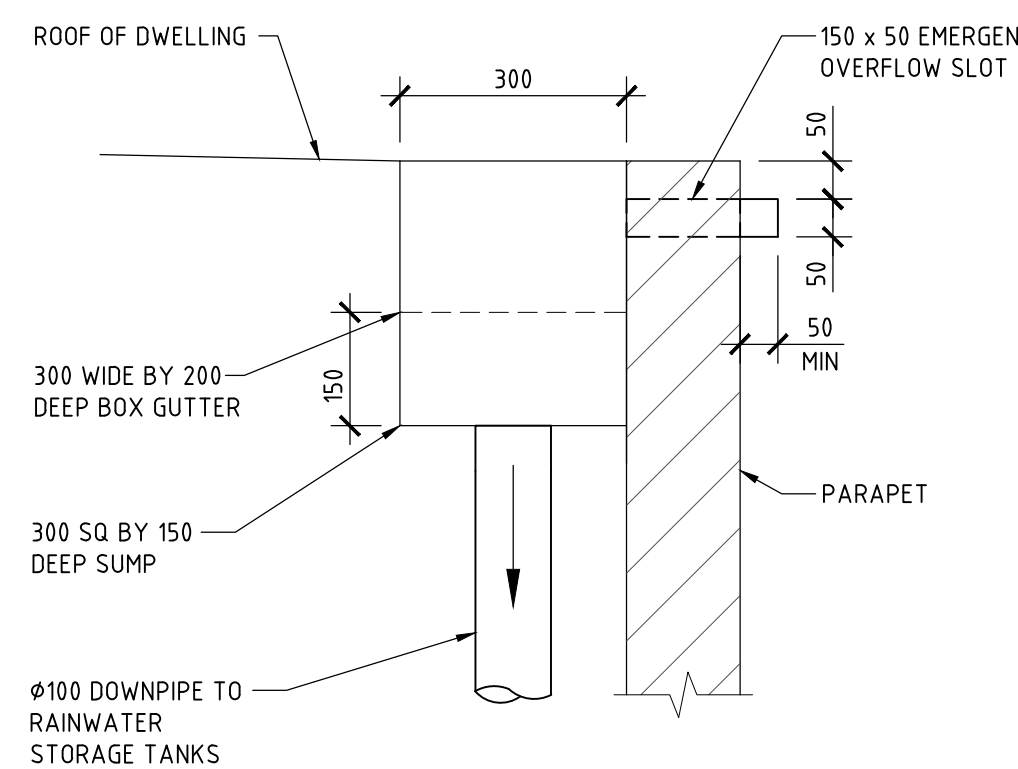


DETAIL C
SCALE 1:10

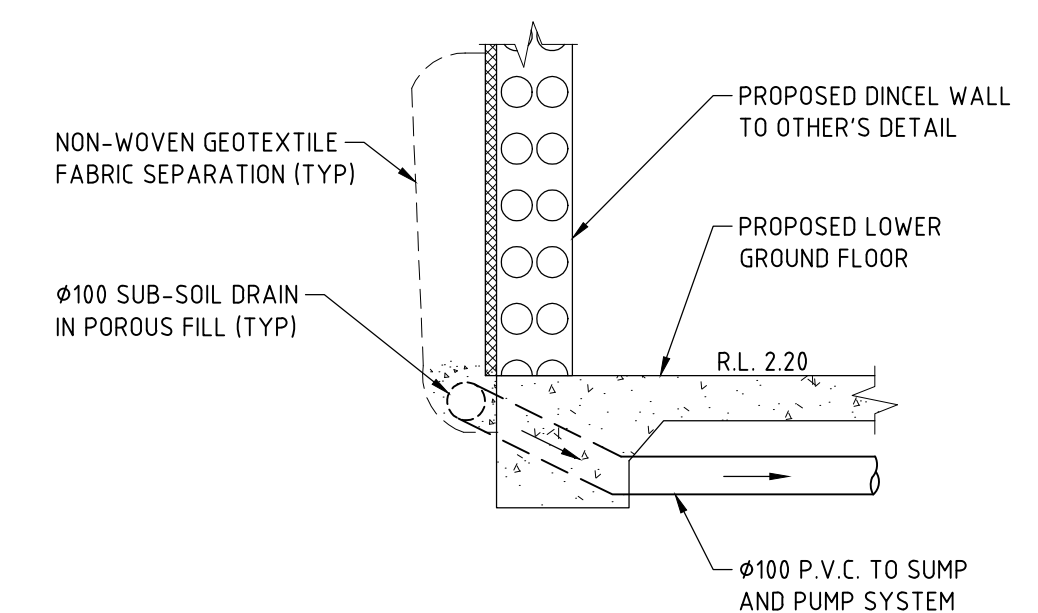
TYPICAL SURFACE INLET PIT DETAIL



DETAIL D
SCALE 1:10



DETAIL E
SCALE 1:10



DETAIL G
SCALE 1:20

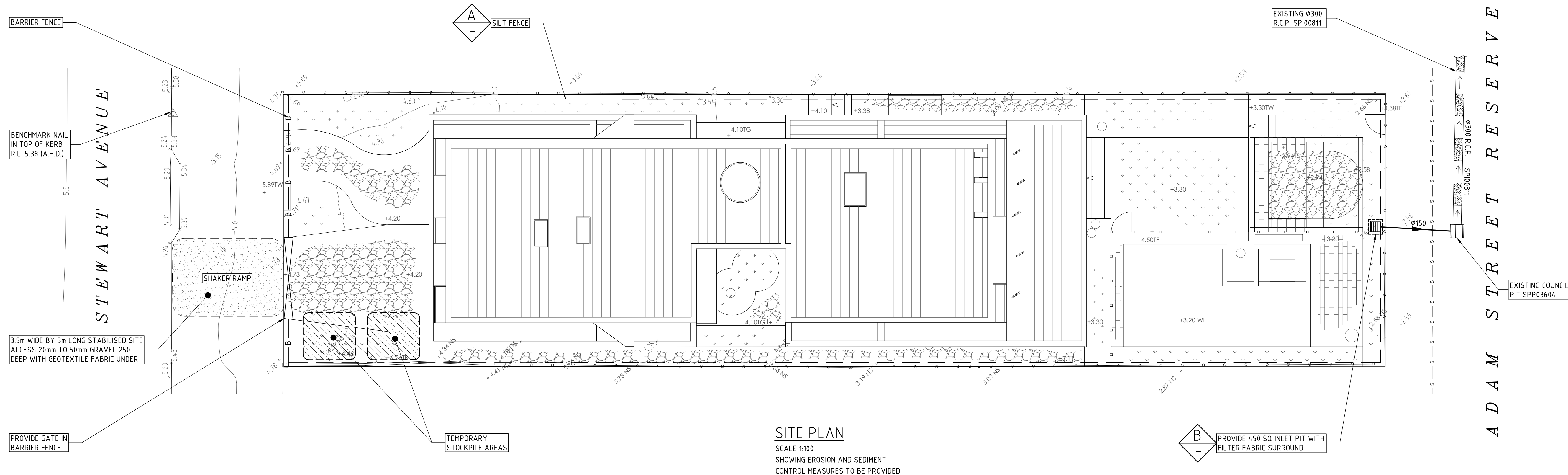
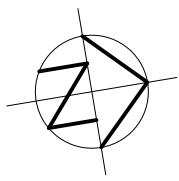
SHOWING SUBTERRANEAN DRAINAGE PROVISIONS AT GARAGE LEVEL

ISSUE DATE	REVISION
27 AUG 2025	CHANGES MADE TO SUIT CLIENT'S COMMENTS

TITLE			
STORMWATER MANAGEMENT DETAILS 14 STEWART AVENUE, CURL CURL			
DRAWN	DATE	CHECKED	SCALE
LI	22 AUGUST 2025	<i>[Signature]</i>	A1
ENGINEER			
DMS			1:20 1:10
BE Civil (Hons) MIE Aust.			



DRAWING NO
STORM-2/A



SITE PLAN
SCALE 1:100
SHOWING EROSION AND SEDIMENT
CONTROL MEASURES TO BE PROVIDED

SCHEDULE OF WORKS

PLAN TO BE READ IN CONJUNCTION WITH DWG STORM-1 SITE STORMWATER
MANAGEMENT PLAN

DESCRIPTION

THE PROJECT IS THE PROVISION OF A NEW RESIDENTIAL DWELLING. THE TOTAL
DISTURBED AREA IS APPROXIMATELY 0.06 Ha.

EROSION

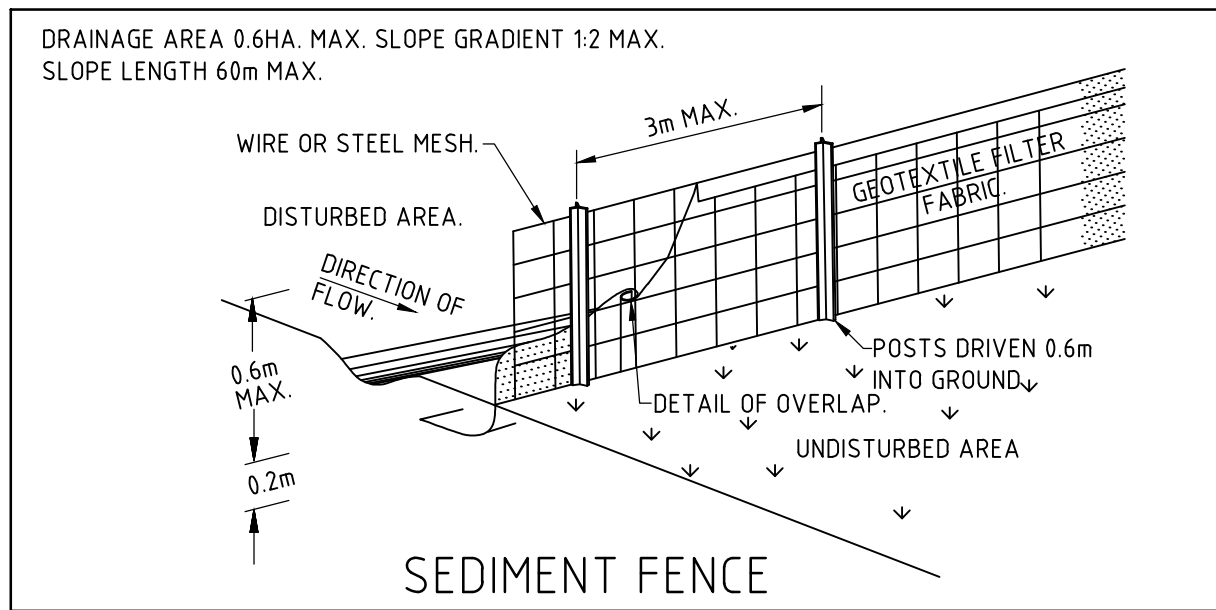
NO AREA IS TO BE DISTURBED OTHER THEN THAT DIRECTLY AFFECTED BY
ACCESS, SITE REGRADING, SERVICING, ROAD WORKS AND DRAINAGE WORKS.
FOR ALL OTHER AREAS ENTRY IS PROHIBITED AND IS TO BE CLEARLY DEFINED
WITH THE INSTALLATION OF BARRIER FENCING. UPSTREAM WATER IS TO BE
DIRECTED AROUND THE SITE WITHOUT CONTAMINATION.

SEDIMENT CONTROL

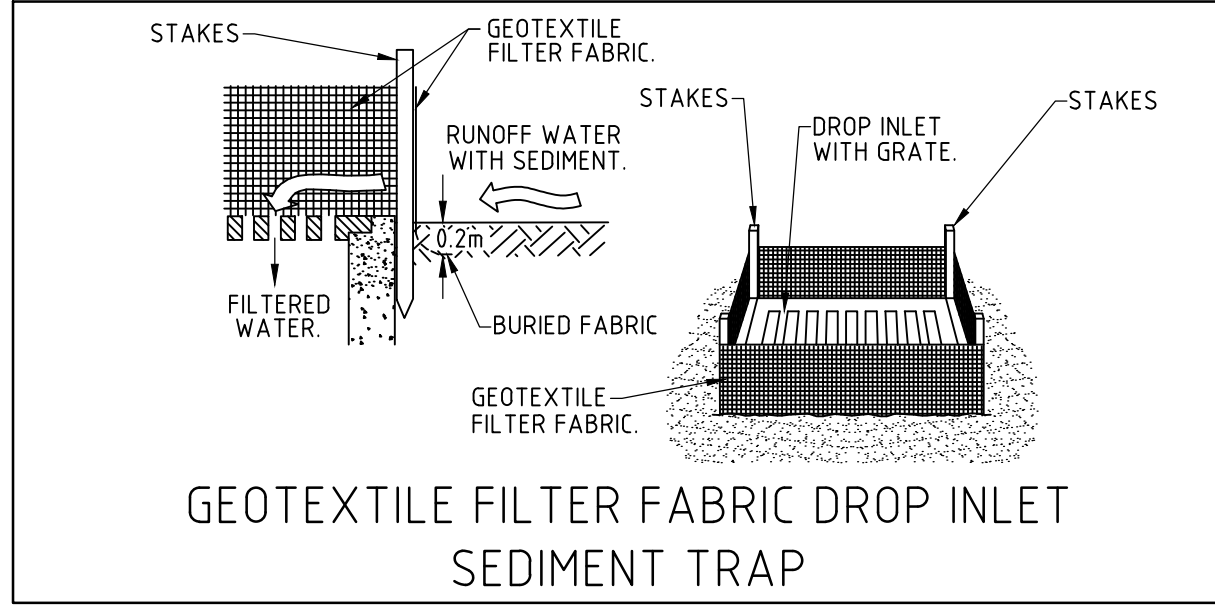
CONTROL WILL BE VIA THE INSTALLATION OF SILT FENCES AS SHOWN ON PLAN.
STOCK PILES ARE TO BE LOCATED IN AREAS SHOWN ON THE PLAN (CLEAR OF
SERVICING, WATERCOURSES, ROAD AND DRAINAGE WORKS) AND PROVIDED
WITH SILT FENCES ON THEIR DOWNSTREAM SIDE.

PHASING OF WORKS

1. INSTALL ALL BARRIER AND SILT FENCING. BARRIER FENCING MAY BE
ERECTED AND REMOVED AS NECESSARY TO SUIT STAGING OF
WORKS.
2. INSTALL ALL TEMPORARY DRAINAGE STRUCTURES AS NECESSARY.
3. STRIP & STOCKPILE TOPSOIL.
4. UNDERTAKE SITE DEVELOPMENT.
5. AS EARTHWORKS ARE COMPLETED THESE AREAS ARE TO BE
TOPSOILED, SEEDED AND MULCHED OR PAVED WITHIN 20 WORKING
DAYS.
6. ONLY AT THE COMPLETION OF WORKS AND STABILIZATION OF
AREAS UPSTREAM ANY CONTROL DEVICES TO BE REMOVED.



DETAIL A
NOT TO SCALE



DETAIL B
NOT TO SCALE

ISSUE DATE	REVISION
29 AUG 2025	CHANGES MADE TO SUIT LATEST PLANS

TITLE			
EROSION AND SEDIMENT CONTROL PLAN 14 STEWART AVENUE, CURL CURL			
DRAWN	DATE	CHECKED	SCALE
LI	22 AUGUST 2025		A1 1:100
ENGINEER	DMS	BE Civil (Hons) MIE Aust.	

TAYLOR

DRAWING NO
STORM-3/A