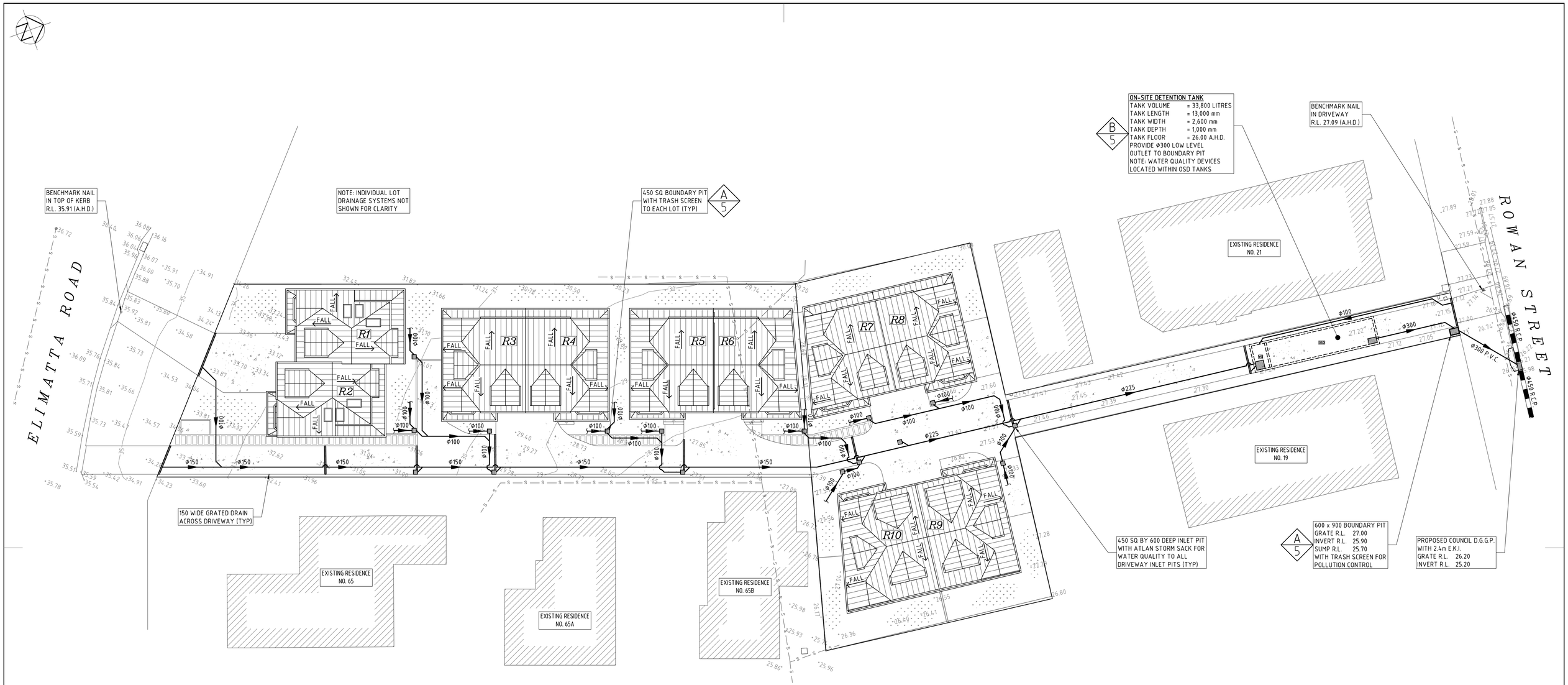

SITE DRAINAGE PLAN

SCALE 1:200
SHOWING SITE DRAINAGE NETWORK. REFER TO
STORM-2 TO STORM-4 FOR LOT DRAINAGE SYSTEMS

DRAINAGE NOTES

1. + DENOTES EXISTING GROUND LEVEL.
2. FALL STORMWATER PIPES AT 1% MIN. UNLESS OTHERWISE NOTED.
3. SUB-SOIL DRAINAGE TO BE CONNECTED TO THE SITE DRAINAGE SYSTEM AS NECESSARY.
4. SURFACE GRATES 300 SQ. UNLESS OTHERWISE NOTED.
5. ALL STORMWATER PIPES TO HAVE SOLVENT CEMENT WATERTIGHT JOINTS.
6. CHECK & LOCATE DEPTH OF EXISTING MAINS & SERVICES PRIOR TO CONSTRUCTION OF STORMWATER SYSTEM AS VARIATIONS IN POSITION OF MAINS COULD AFFECT DRAINAGE CONSTRUCTION DETAILS.
7. INSPECTIONS MUST BE UNDERTAKEN BY THIS OFFICE (BY PRIOR ARRANGEMENT WITH ENGINEER) DURING CONSTRUCTION TO ENABLE FULL CERTIFICATION UPON COMPLETION OF 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 BE 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 UNDERSIDE OF STRUCTURE AT 600mm c/c AS NECESSARY
13. 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.
14. 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.
15. 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.
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 DISTURBED BY OTHER SITE WORKS AND FOLLOW TOPOGRAPHICAL FEATURES TO REDUCE IMPACT AND AVOID TREE ROOTS
18. THIS STORMWATER MANAGEMENT PLAN HAS BEEN PREPARED FOR SUBMISSION TO COUNCIL/CERTIFEIR 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

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

STORMWATER SYSTEM DESIGN DATA

SITE DATA

SITE AREA = 2340 m² (100%)
PROPOSED IMPERVIOUS AREA = 1674 m² (72%)
PROPOSED LANDSCAPED AREA = 667 m² (28%)

NORTHERN BEACHES COUNCIL - REGION 1: NORTHERN CATCHMENTS

TOTAL INCREASE IN IMPERVIOUS AREA > 50m²; OSD REQUIRED

OSD SYSTEM DESIGN DATA

EXISTING SITE FLOWS

5 YR ARI = 45 l/s
100 YR ARI = 111 l/s

DEVELOPED SITE FLOWS

5 YR ARI = 45 l/s
100 YR ARI = 88 l/s

DETENTION SYSTEM DATA

AREA DRAINING TO THE TANK = 68 m²
MAX. 100YR TWL = RL 42.90
ORIFICE DIAM = 95 mm
SSR = 57.40 m³

STORMWATER SYSTEM DESIGN DATA

SITE DATA

SITE AREA = 2,344.7 m² (100%)
PROPOSED IMPERVIOUS AREA = 1,754.3 m² (75%)
PROPOSED LANDSCAPED AREA = 580.4 m² (35%)
EXISTING IMPERVIOUS AREA = 951.1 m² (41%)
EXISTING LANDSCAPED AREA = 1,393.6 m² (59%)

ISSUE DATE	REVISION
27 OCT 2025	CHANGES MADE TO SUIT UPDATED ROOF PLAN

TITLE
STORMWATER MANAGEMENT PLAN
67 ELIMATTA ROAD, MONA VALE

DRAWN	DATE	CHECKED	SCALE @ A1
TDR	16 OCTOBER 2025	BE Civil (Hons) MIE Aust.	1:200
ENGINEER JPL			

DRAWING NO. STORM - 1/A

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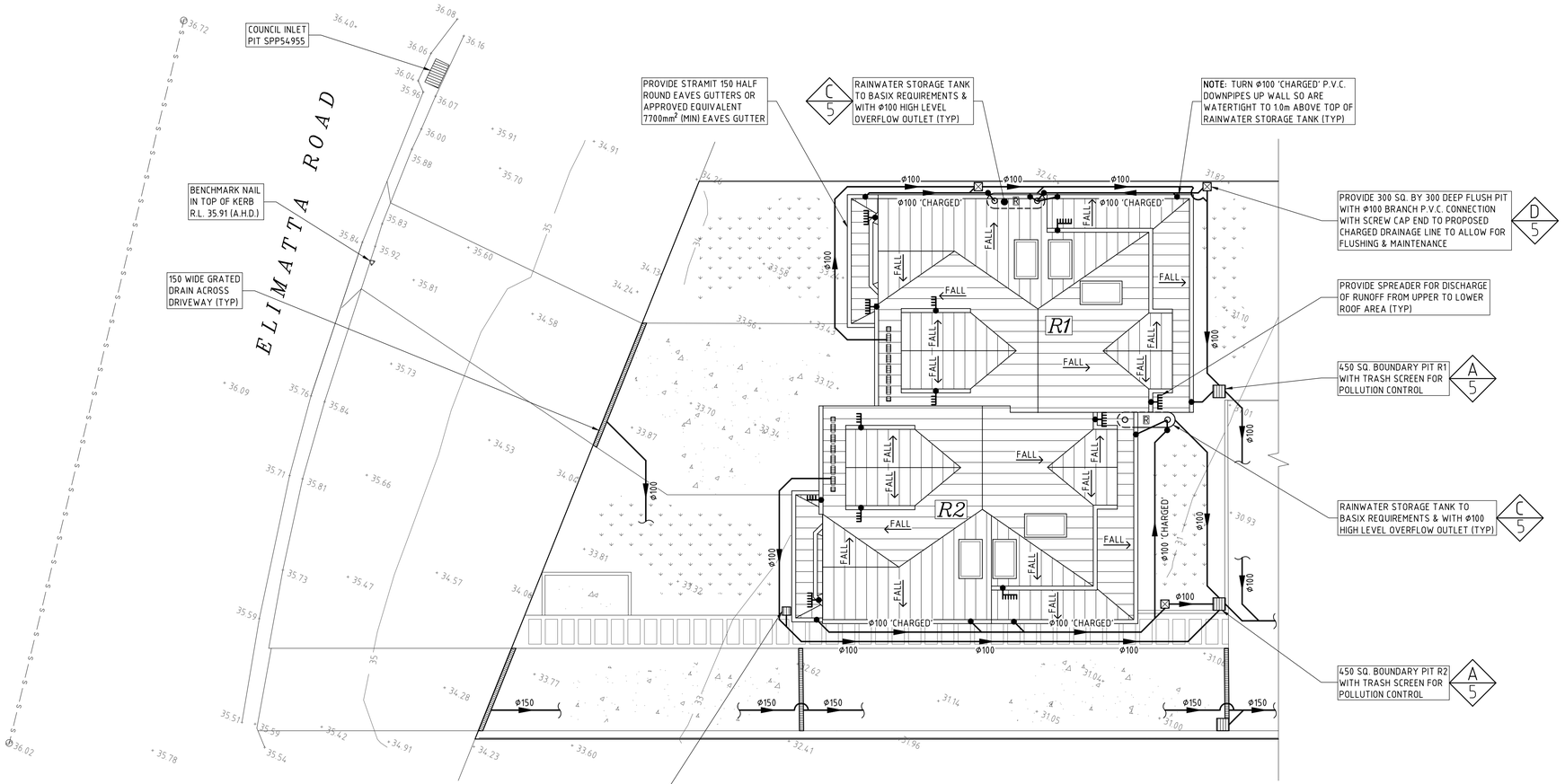

PARTIAL SITE DRAINAGE PLAN

SCALE 1:100

NOTE: SHOWING SITE DRAINAGE FOR R1 & R2.

REFER TO STORM-1 FOR COMMUNITY AREA DRAINAGE SYSTEM

DRAINAGE NOTES

1. + DENOTES EXISTING GROUND LEVEL
2. FALL STORMWATER PIPES AT 1% MIN. UNLESS OTHERWISE NOTED.
3. SUB-SOIL DRAINAGE TO BE CONNECTED TO THE SITE DRAINAGE SYSTEM AS NECESSARY.
4. SURFACE GRATES 300 SQ. UNLESS OTHERWISE NOTED.
5. ALL STORMWATER PIPES TO HAVE SOLVENT CEMENT WATERTIGHT JOINTS.
6. CHECK & LOCATE DEPTH OF EXISTING MAINS & SERVICES PRIOR TO CONSTRUCTION OF STORMWATER SYSTEM AS VARIATIONS IN POSITION OF MAINS COULD AFFECT DRAINAGE CONSTRUCTION DETAILS.
7. INSPECTIONS MUST BE UNDERTAKEN BY THIS OFFICE (BY PRIOR ARRANGEMENT WITH ENGINEER) DURING CONSTRUCTION TO ENABLE FULL CERTIFICATION UPON COMPLETION OF WORKS.
8. ALL CONSTRUCTION OF COUNCIL DRAINAGE WORKS TO COMPLY WITH COUNCIL STANDARD.
9. REMOVE REDUNDANT DRAINAGE PITS AND SEAL PIPES.
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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 UNDERSIDE OF STRUCTURE AT 600mm c/c AS NECESSARY
13. 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.
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18. THIS STORMWATER MANAGEMENT PLAN HAS BEEN PREPARED FOR SUBMISSION TO COUNCIL/CERTIFEIR AND DOES NOT NECESSARILY CONTAIN ALL APPROPRIATE INFORMATION TO ENABLE FOR ISSUE TO PLUMBER/BUILDER FOR CONSTRUCTION. CONTACT TAYLOR CONSULTING FOR MORE INFORMATION.

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ISSUE DATE	REVISION
27 OCT 2025	CHANGES MADE TO SUIT UPDATED ROOF PLAN

TITLE
STORMWATER MANAGEMENT PLAN - LOT 1 TO LOT 2
67 ELIMATTA ROAD, MONA VALE

DRAWN	DATE	CHECKED	SCALE @ A1
TDR	15 OCTOBER 2025	BE Civil (Hons) MIE Aust.	1:100
ENGINEER JPL			

DRAWING NO. STORM - 2/A

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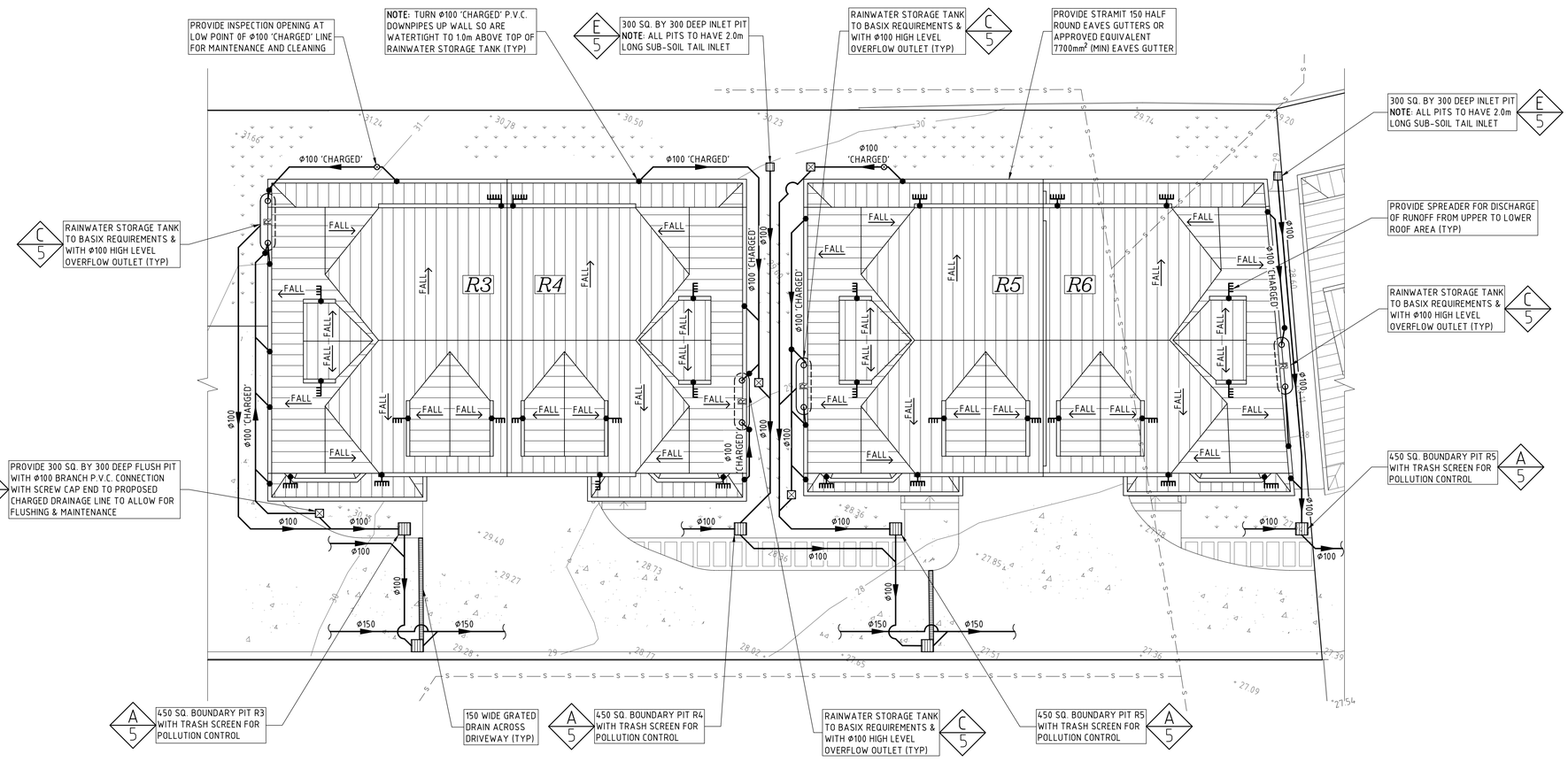

PARTIAL SITE DRAINAGE PLAN

SCALE 1:100

NOTE: SHOWING SITE DRAINAGE FOR AREA R3-R6. REFER TO STORM-1 FOR COMMUNITY AREA DRAINAGE SYSTEM

DRAINAGE NOTES

1. + DENOTES EXISTING GROUND LEVEL
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3. SUB-SOIL DRAINAGE TO BE CONNECTED TO THE SITE DRAINAGE SYSTEM AS NECESSARY.
4. SURFACE GRATES 300 SQ. UNLESS OTHERWISE NOTED.
5. ALL STORMWATER PIPES TO HAVE SOLVENT CEMENT WATERTIGHT JOINTS.
6. CHECK & LOCATE DEPTH OF EXISTING MAINS & SERVICES PRIOR TO CONSTRUCTION OF STORMWATER SYSTEM AS VARIATIONS IN POSITION OF MAINS COULD AFFECT DRAINAGE CONSTRUCTION DETAILS.
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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 UNDERSIDE OF STRUCTURE AT 600mm c/c AS NECESSARY
13. PIPE ROUTES SHOWN ARE INDICATIVE ONLY AND SHOULD BE AS NECESSARY ACCORDING TO SITE CONDITIONS. TREE POSITIONS ETC. CONFIRM SIGNIFICANT CHANGES IN PIPE'S SYSTEM DETAILS WITH SUPERVISING ENGINEER PRIOR TO COMMENCEMENT OF DRAINAGE CONSTRUCTION WORKS.
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RAINWATER RE-USE NOTES AND SPECIFICATIONS

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4. PROVIDE MAINS 'TOP-UP' SUPPLY TO RAINWATER TANK. MAINS TOP-UP ZONE TO BE BASED ON THE DAILY NON-POTABLE USAGE THAT MAY BE EXPECTED FROM THE TANK.
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7. A SIGN MUST BE AFFIXED TO THE RAINWATER TANK CLEARLY STATING THAT THE WATER IN THE TANK IS RAINWATER AND IS NOT TO BE USED FOR HUMAN CONSUMPTION.
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10. RAINWATER TANK AND ASSOCIATED PLUMBING WORKS TO BE INSTALLED AND CONFIGURED BY A LICENSED PLUMBER. PUMP TO BE INSTALLED BY A LICENSED ELECTRICIAN.

ISSUE DATE	REVISION
27 OCT 2025	CHANGES MADE TO SUIT UPDATED ROOF MODEL

TITLE
STORMWATER MANAGEMENT PLAN - LOT 3 TO LOT 6
67 ELIMATTA ROAD, MONA VALE

DRAWN	DATE	CHECKED	SCALE @ A1
TDR	16 OCTOBER 2025	BE Civil (Hons) MIE Aust.	1:100
ENGINEER JPL			

DRAWING NO. STORM - 3/A

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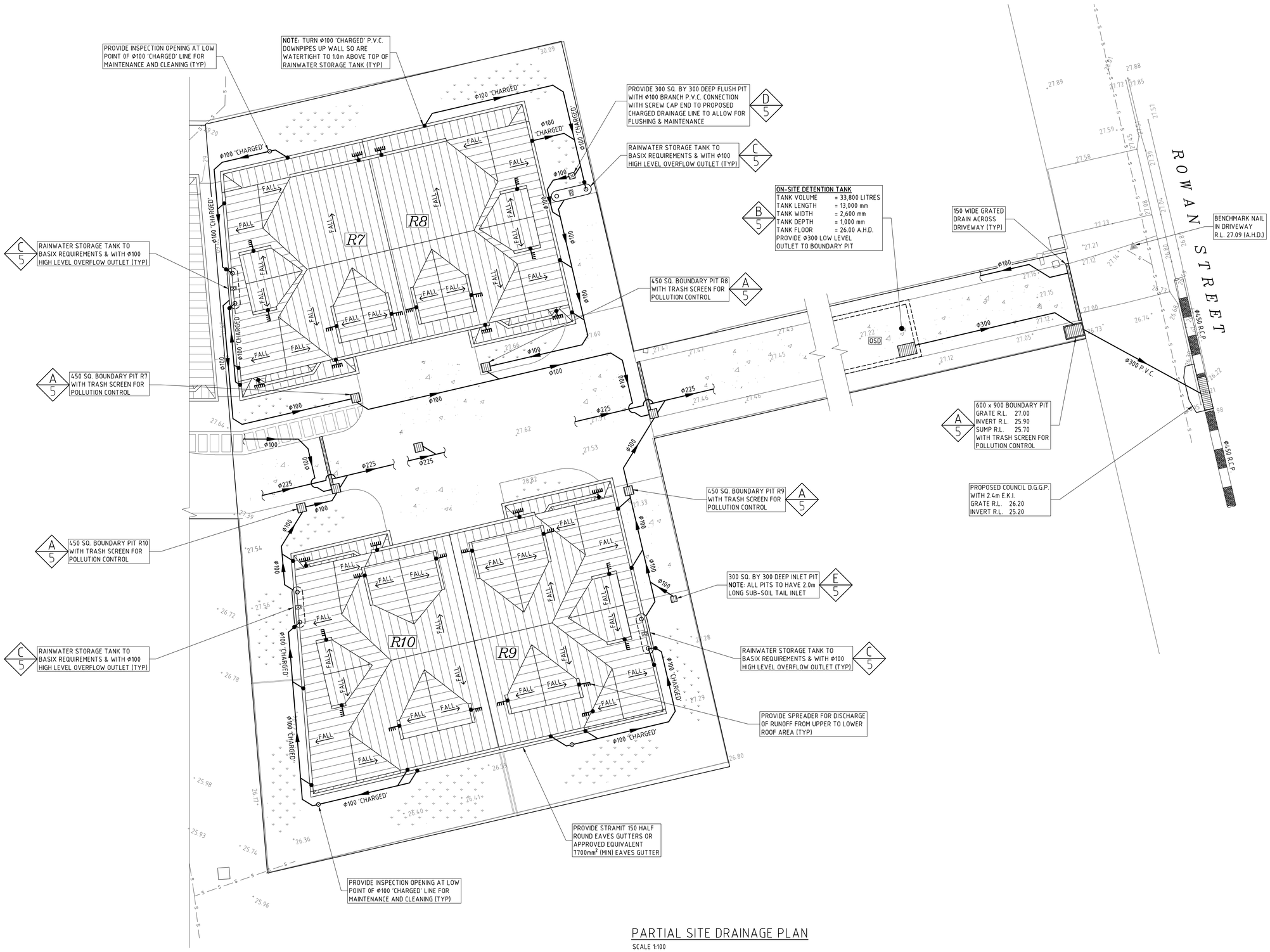

PARTIAL SITE DRAINAGE PLAN

SCALE 1:100

NOTE: SHOWING SITE DRAINAGE FOR AREA R7-R10. REFER TO STORM-1 FOR COMMUNITY AREA DRAINAGE SYSTEM

DRAINAGE NOTES

1. + DENOTES EXISTING GROUND LEVEL
2. FALL STORMWATER PIPES AT 1% MIN. UNLESS OTHERWISE NOTED.
3. SUB-SOIL DRAINAGE TO BE CONNECTED TO THE SITE DRAINAGE SYSTEM AS NECESSARY.
4. SURFACE GRATES 300 SQ. UNLESS OTHERWISE NOTED.
5. ALL STORMWATER PIPES TO HAVE SOLVENT CEMENT WATERTIGHT JOINTS.
6. CHECK & LOCATE DEPTH OF EXISTING MAINS & SERVICES PRIOR TO CONSTRUCTION OF STORMWATER SYSTEM AS VARIATIONS IN POSITION OF MAINS COULD AFFECT DRAINAGE CONSTRUCTION DETAILS.
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RAINWATER RE-USE NOTES AND SPECIFICATIONS

1. ROOF WATER ONLY TO BE DRAINED TO THE RAINWATER STORAGE TANK.
2. THE RAINWATER STORAGE TANK NEEDS TO BE CONNECTED FOR RE-USE AS REQUIRED BY THE OWNER.
3. RAINWATER STORAGE TANK TO BE CONFIGURED IN ACCORDANCE WITH SYDNEY WATER SPECIFICATIONS 'GUIDELINES FOR RAINWATER TANK ON RESIDENTIAL PROPERTIES'.
4. PROVIDE MAINS 'TOP-UP' SUPPLY TO RAINWATER TANK. MAINS TOP-UP ZONE TO BE BASED ON THE DAILY NON-POTABLE USAGE THAT MAY BE EXPECTED FROM THE TANK.
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ISSUE DATE	REVISION
27 OCT 2025	CHANGES MADE TO SUIT UPDATED ROOF PLAN

TITLE
STORMWATER MANAGEMENT PLAN - LOTS R7 TO R10
67 ELIMATTA ROAD, MONA VALE

DRAWN	DATE	CHECKED	SCALE @ A1
TDR	16 OCTOBER 2025	BE Civil (Hons) MIE Aust.	1:100
ENGINEER JPL			

DRAWING NO. STORM - 4/A

TAYLOR

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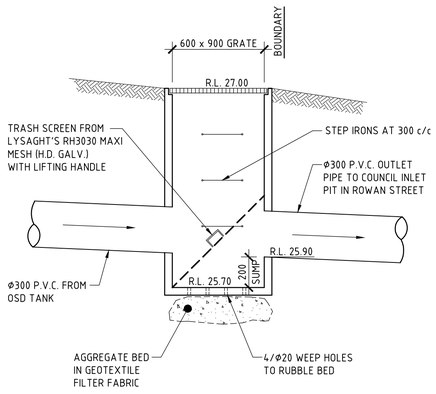
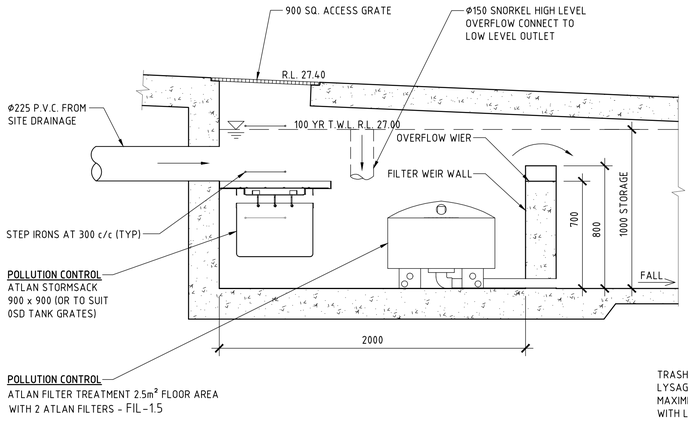


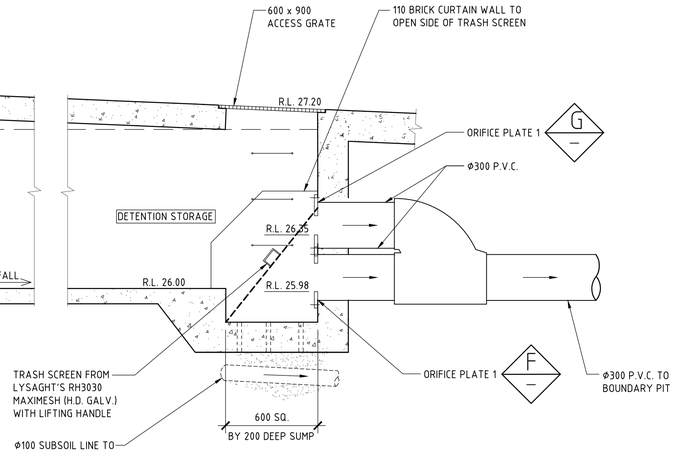
DETAIL A/1
SCALE 1:20

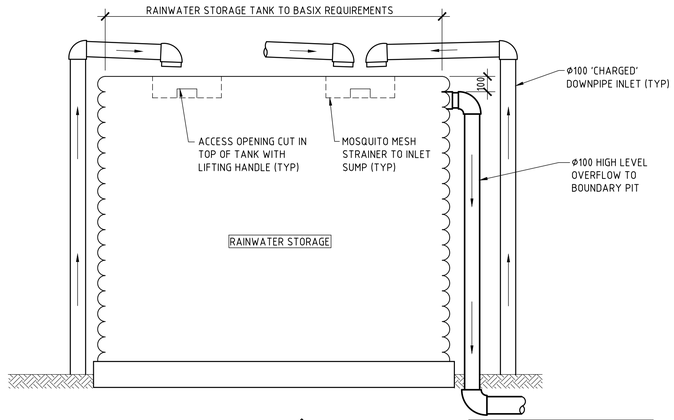
TYPICAL BOUNDARY PIT DETAIL WITH POLLUTION CONTROL MEASURE
NOTE: 450 SQ LOT BOUNDARY PITS SIMILAR



DETAIL B/1
SCALE 1:20

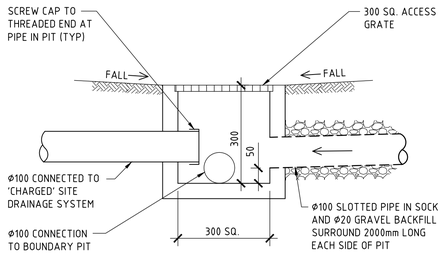
SHOWING SCHEMATIC LAYOUT OF DETENTION TANK WITH POLLUTION CONTROL CHAMBER





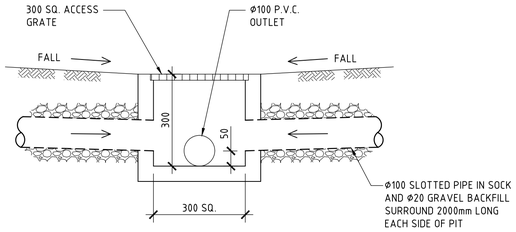
DETAIL C/2
SCALE 1:20

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



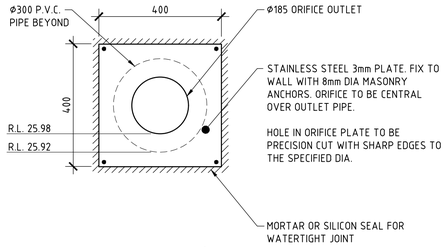
DETAIL D/2
SCALE 1:10

NOTE: SHOWING TYPICAL FLUSH PIT DETAIL



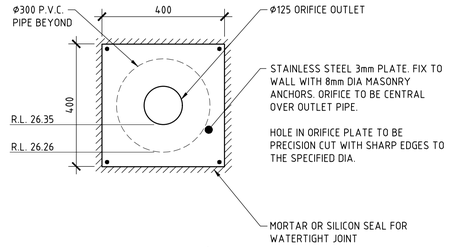
DETAIL E/2
SCALE 1:10

TYPICAL SURFACE INLET PIT DETAIL



DETAIL F/–
SCALE 1:10

ORIFICE PLATE 1 DETAIL



DETAIL G/–
SCALE 1:10

ORIFICE PLATE 2 DETAIL

ISSUE DATE	REVISION

TITLE
STORMWATER MANAGEMENT DETAILS
67 ELIMATTA ROAD, MONA VALE

DRAWN	DATE	CHECKED	SCALE @ A1
TDR	27 OCTOBER 2025	BE Civil (Hons) MIE Aust.	1:20 1:10
ENGINEER JPL			

DRAWING NO. STORM - 5

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