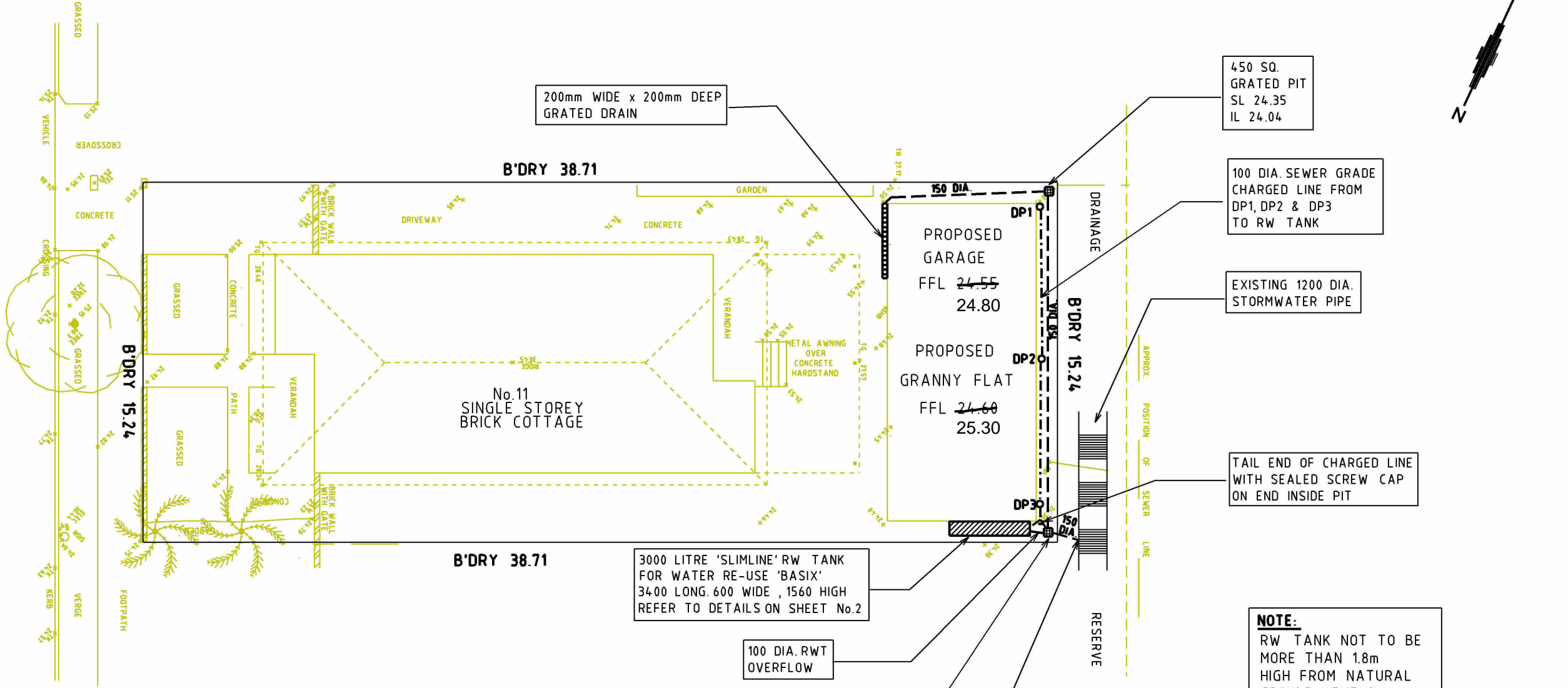


ALL OF ROOF AREA
TO RW TANK

TUDOR

STREET



- NOTES :
1. ALL DOWNPIPES THAT ARE CHARGED (DP1 - DP3 INCLUSIVE) AND ARE TO BE 100 DIA. SEWER GRADE FOR FULL LENGTH. UNDERGROUND PIPES TO BE 100 DIA.
 2. ALL CHARGED LINES TO BE 100 SEWER GRADE TO ENSURE INTEGRITY OF CHARGE AND SOLVENT WELDED.
 3. GUTTER PROTECTION SYSTEM ARE HIGHLY RECOMMENDED TO BE INSTALLED TO MINIMISE LEAVES & DEBRIS ENTERING THE SYSTEM. (BY THE OWNER)

CONCEPT DRAINAGE PLAN

SCALE 1:200

- GRAVITY LINES
- - - - - 100 DIA. CHARGED LINES TO RW TANK

STORMWATER NOTES

1. CONTOUR PLAN SUPPLIED BY OTHERS
2. ALL STORMWATER PIPES ARE TO BE 150mm DIA. UPVC UNLESS NOTED OTHERWISE.
3. DEPTH & LOCATION OF SERVICES TO BE CONFIRMED BY BUILDER PRIOR TO COMMENCEMENT OF ANY DRAINAGE WORKS TO ENSURE NO CONFLICT ARISES.
4. THESE PLANS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL PLANS.
5. FINAL DRAINAGE LINE OUTLET LEVEL & DATUM TO BE EXPOSED & CONFIRMED BY BUILDER PRIOR TO COMMENCEMENT OF WORKS. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES.
6. SYDNEY WATER TO BE ADVISED & CONSULTED WITH ANY CONSTRUCTION OVER/NEAR SEWER MAIN LINES FOR APPROPRIATE DESIGN REQUIREMENTS.

| LEGEND | |
|--------|-------------------------------|
| ● DP | DOWNPIPE |
| ⊕ | DOWNPIPE SPREADER |
| ⊙ | 100 DIA. YARD SUMP |
| ▬ | 200x150 DEEP GRATED BOX DRAIN |
| INV | INVERT LEVEL (PIPE / PIT) |
| 0.00 | PROPOSED SURFACE LEVEL |
| +0.00 | EXISTING REDUCED LEVEL |
| S.L. | SURFACE LEVEL |
| I.L. | INVERT LEVEL |
| F.F.L. | FINISHED FLOOR LEVEL |
| — X — | SEDIMENT CONTROL BARRIER |
| — S — | SEWER |
| ⊗ | INSPECTION OPENING RISER 1/0 |

DESIGNED & CHECKED
BY
Oliver Daher
OLIVER DAHER
B.E. CIVIL
M.I.E. AUST.

| REV | DESCRIPTION | DESN | CHKD | DATE |
|-----|---------------|------|------|----------|
| B | | | | |
| A | ISSUED FOR DA | | | 25.05.23 |

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CLIENT
MR. & MRS SAUMA

TITLE
H/No.11 TUDOR STREET,
BELMORE

| PROJECT | | PROPOSED GRANNY FLAT | |
|----------------|-----------------|----------------------|---------|
| SCALE | 1:200 | ORIGINAL SIZE | A3 |
| DATE | 25.05.23 | | |
| DRAWN | BJC | DESIGNED | OD |
| | | INT | CHECKED |
| | | OD | INT |
| DRAWING NUMBER | 5499-1 (1 OF 4) | | |
| | | REVISION | A |

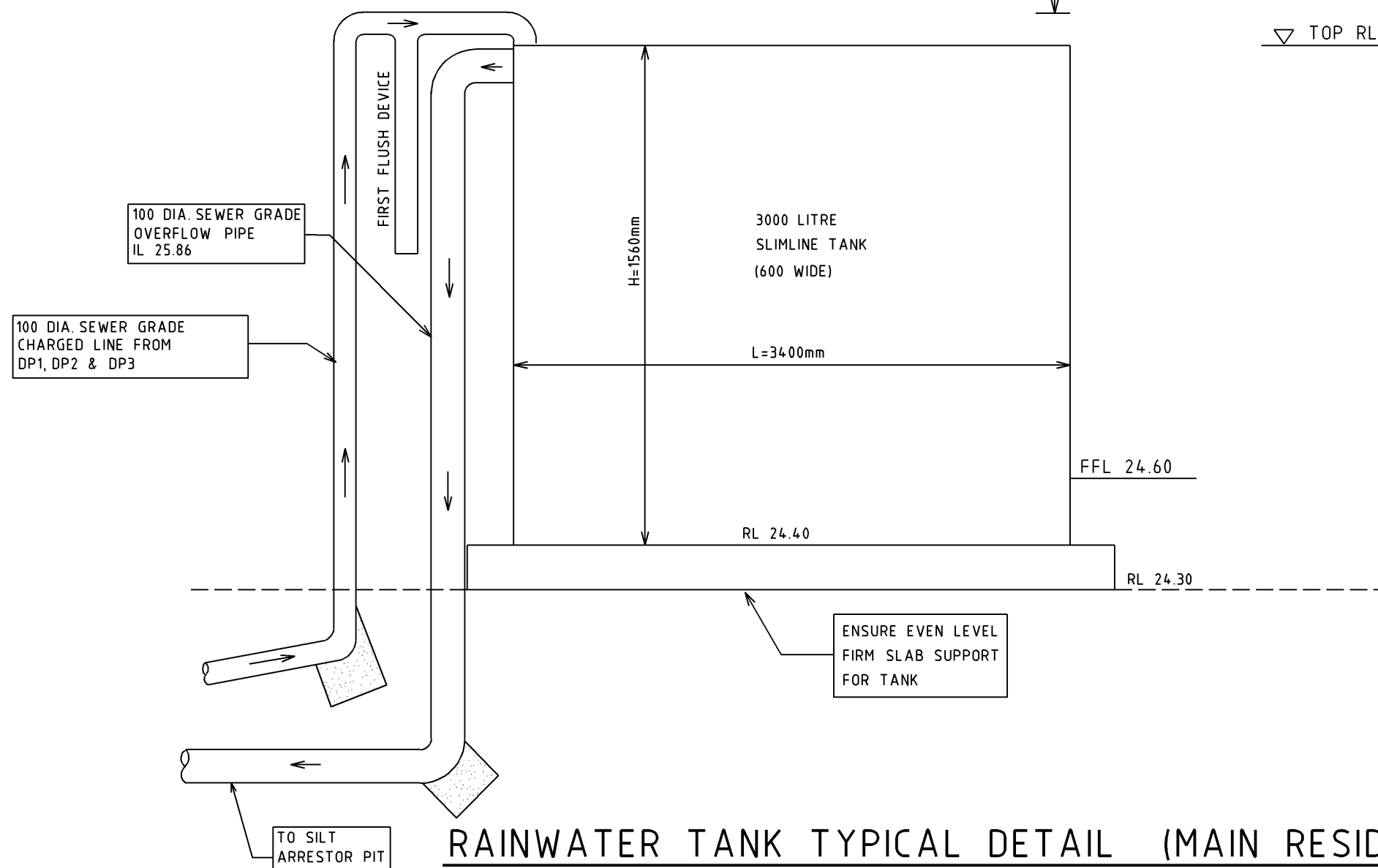
ALL OF ROOF AREA
TO RW TANK

NOTE:
RW TANK NOT TO BE
MORE THAN 1.8m
HIGH FROM NATURAL
GROUND LEVELS

LOWEST GUTTER INVERT
EAVE LINE RL 27.35 (APPROX.)

STATIC HEAD
ENSURE 700mm VERTICAL DISTANCE
BETWEEN SIDE OF GUTTER TO TOP
OF CHARGED LINE AT TANK ENTRY
TO ENSURE INTEGRITY OF CHARGED LINE
ALL JOINTS SOLVENT WELDED

▽ TOP RL 25.96



RAINWATER TANK TYPICAL DETAIL (MAIN RESIDENCE)

NOT TO SCALE

RAINWATER RE-USE SYSTEM NOTES

1. RAINWATER SUPPLY PLUMBING TO BE CONNECTED TO COLD WATER WASHING MACHINE TAP(S).ALL TOILETS & ALL EXTERNAL TAPS.
2. TOWNWATER CONNECTION TO RAINWATER TANK TO BE TO THE SATISFACTION OF SYDNEY WATER,THIS MAY REQUIRE PROVISION OF:
 - A. PERMANENT AIR GAP
 - B. A BACKFLOW PREVENTION DEVICE
 - C. NO DIRECT CONNECTION BETWEEN TOWN WATER SUPPLY AND THE RAIN SUPPLY.
 - D. AN APPROVED STOP VALVE AND/OR PRESSURE LIMITING VALVE AT THE RAINWATER TANK
3. PROVIDE AT LEAST ONE (1) EXTERNAL HOSE COCK ON THE TOWN WATER FOR FIRE FIGHTING.
4. PROVIDE APPROPRIATE FLOAT VALVES AND/OR SOLENOID VALVES TO CONTROL TOWN WATER SUPPLY INLET TO TANK IN ORDER TO ACHIEVE THE TOP-UP ZONE INDICATED ON THE TYPICAL DETAIL.
5. ALL PLUMBING WORKS ARE TO BE CARRIED OUT BY LICENSED PLUMBERS IN ACCORDANCE WITH AS3500.1 NATIONAL PLUMBING AND DRAINAGE CODE.
6. PRESSURE PUMP ELECTRICAL CONNECTION TO BE OUT CARRIED BY LICENSED ELECTRICIAN.
7. ONLY ROOF RUN-OFF IS TO BE DIRECTED TO THE RAINWATER TANK. SURFACE WATER INLETS ARE NOT TO BE CONNECTED.
8. PIPE MATERIALS FOR RAINWATER SUPPLY PLUMBING ARE TO BE APPROVED MATERIALS TO AS3500 PART 1 SECTION 2 AND TO BE CLEARLY AND PERMANENTLY IDENTIFIED "RAINWATER" .THIS MAY BE ACHIEVED FOR BELOW GROUND PIPES USING IDENTIFICATION TAPE (MADE IN ACCORDANCE WITH AS2648) OR FOR ABOVE GROUND PIPES BY USING ADHESIVE PIPE MARKERS (MADE IN ACCORDANCE WITH AS1345).
9. EVERY RAINWATER SUPPLY OUTLET POINT AND THE RAINWATER TANK ARE TO BE LABELLED "RAINWATER" ON A METALLIC SIGN IN ACCORDANCE WITH AS1319.
10. ALL INLETS & OUTLETS TO THE RAINWATER TANK TO HAVE SUITABLE MEASURES PROVIDED TO PREVENT MOSQUITO & VERMIN ENTRY.
11. PROVIDE ADDITIONAL WASHING MACHINE (COLD) WATER SUPPLY TAP FROM MAINS WATER FOR FUTURE OPTIONAL CHOICE BY RESIDENTS.
12. SYDNEY WATER'S APPROVAL IS REQUIRED FOR ANY TOP UP FROM DRINKING WATER SUPPLY, REGARDLESS OF TANK SIZE.
13. THE INLET FILLING RATE FROM DRINKING WATER SUPPLY IS TO BE RESTRICTED TO A MAXIMUM OF TWO(2) LITRES PER MINUTE FOR EACH HOUSE, TOWN HOUSE OR UNIT SUPPLIED FROM THE TANK.

RAINWATER TANK NOTES

1. INSTALL LEAF STRAINERS, SCREENS, STOP VALVES CHECK VALVE, PUMPS, FLOW RESTRICTORS TO AUSTRALIAN STANDARDS MANUFACTURERS DETAIL AND TO SYDNEY WATER REQUIREMENTS.
2. ALL PLUMBING & ELECTRICAL TO BE COMPLETED IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS.

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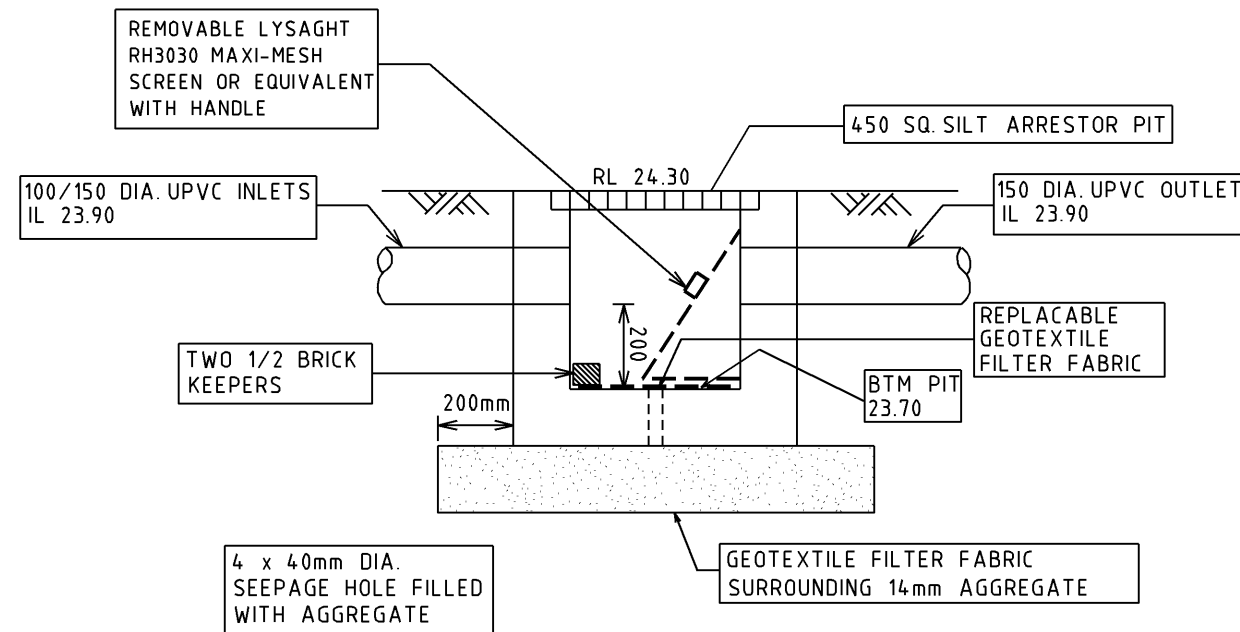
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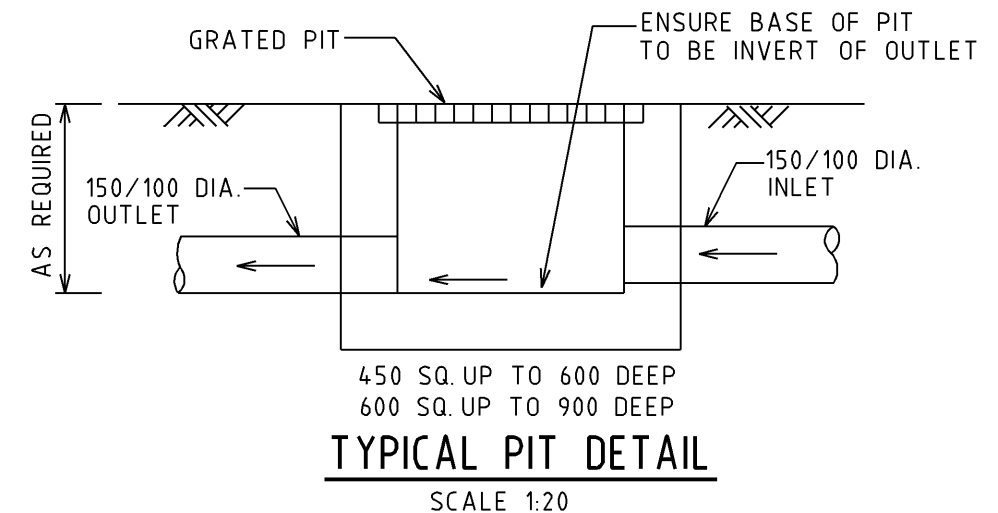
PROJECT
PROPOSED GRANNY FLAT

| | | | | | |
|--------------------------|--|---------------------|------|------------------|---------------|
| SCALE 1:200 | | ORIGINAL SIZE A3 | | DATE 25.05.23 | |
| DRAWN BJC | | DESIGNED OD | INIT | CHECKED OD | INT |
| DRAWING NUMBER 5499-2 | | | | | REVISION A |



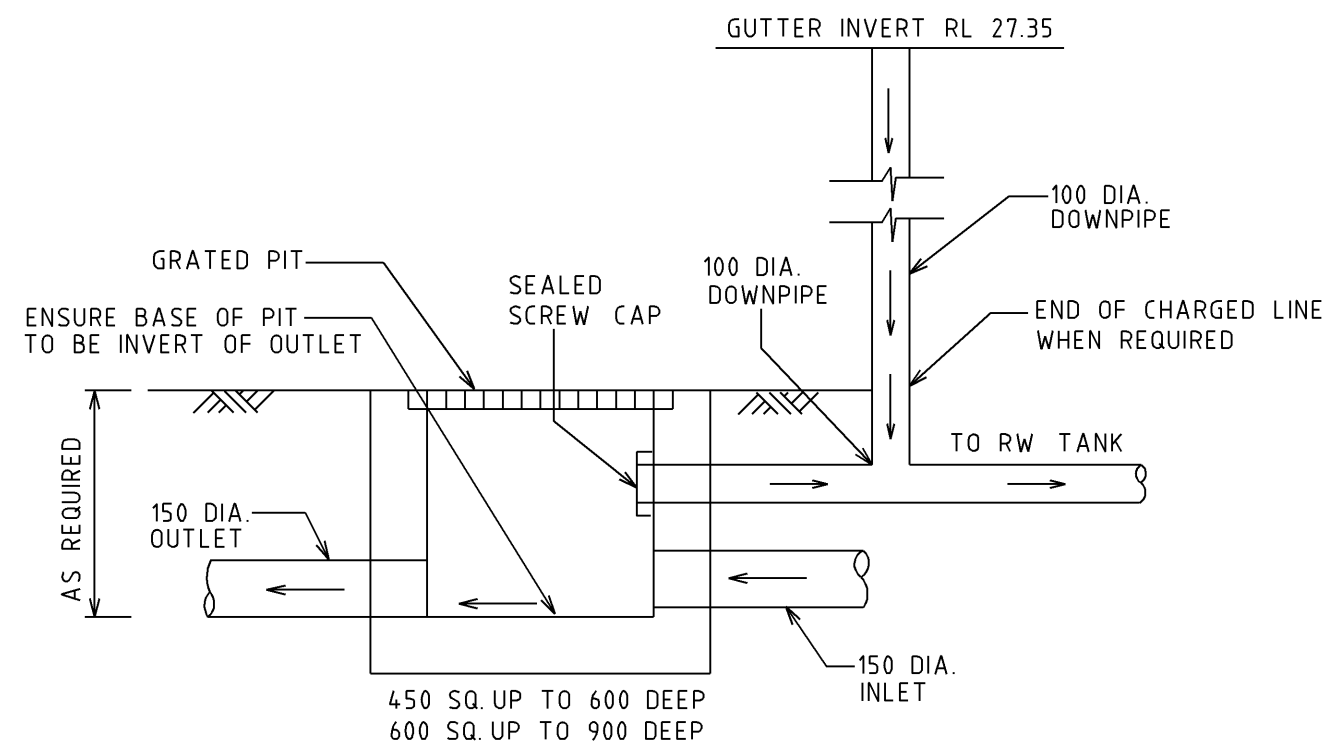
SILT ARRESTOR PIT DETAIL A

SCALE 1:20



TYPICAL PIT DETAIL

SCALE 1:20



TYPICAL PIT DETAIL

(WITH TAIL END OF CHARGED LINE SHOWN)

SCALE 1:20

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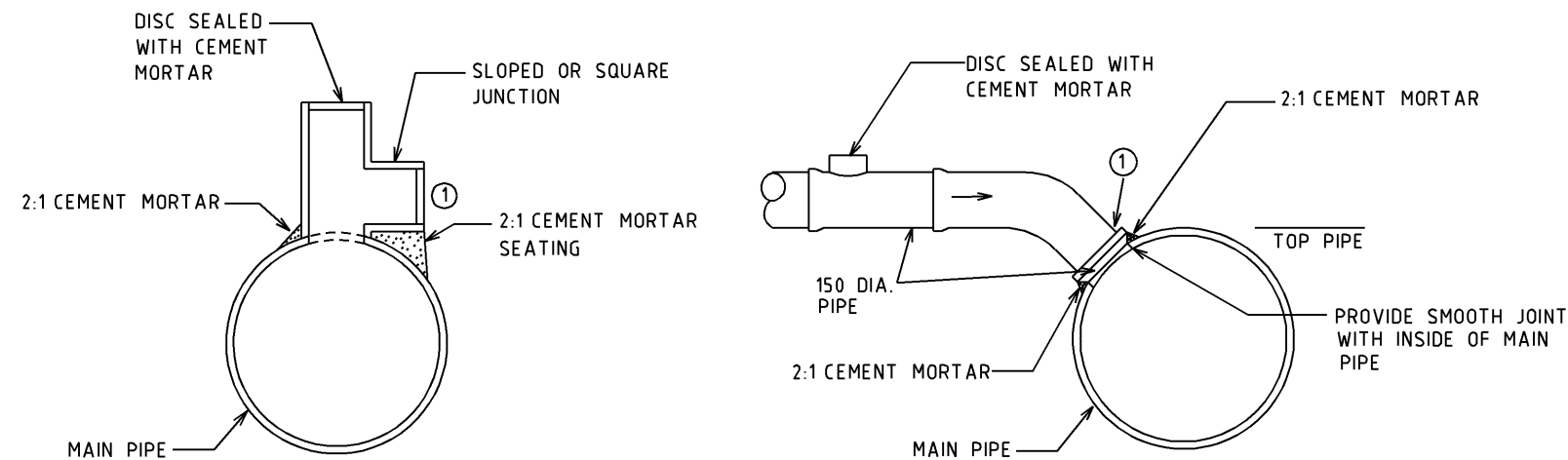
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| DRAWING NUMBER 5499-3 | | | | | REVISION A |



CONNECTION DETAIL
NTS

CONNECTIONS OF DRAINAGE LINES TO R.C. PIPE

1. THE R.C. STORMWATER PIPE SHALL BE PIERCED BY A NEAT OPENING AS SHOWN TO ALLOW THE CONNECTION OF A SQUARE, SLOPED JUNCTION OR BEND WHICH SHALL NOT PROTRUDE BEYOND THE INNER SURFACE OF THE R.C. STORMWATER LINE.
2. THE INTERNAL JUNCTION SHALL BE SMOOTHLY FINISHED WITH 2:1 CEMENT MORTAR SO AS TO PRESENT NO OBSTRUCTION WITHIN THE INTERNAL SURFACE OF THE R.C. STORMWATER PIPE. THE LINE IS NOT TO EXTEND BEYOND JOINT 1 UNTIL APPROVED BY COUNCIL.
3. THE HOLE IN COUNCIL'S PIPE IS TO BE FORMED BY CAREFUL DRILLING TO NEATLY ACCEPT THE OUTSIDE DIAMETER OF THE PIPE.
4. ANY DAMAGE TO THE STRUCTURE OF COUNCIL'S PIPE TO BE MADE GOOD TO THE SATISFACTION OF THE CHIEF ENGINEER, IF NECESSARY BY REPLACEMENT OF THE PIPE
5. PIPE FITTINGS TO BE VITRIFIED CLAY OR S.H. SEWER QUALITY U.P.V.C.
6. COUNCIL LINE TO BE LEFT FREE OF DROPPED CLAY, CONCRETE, MORTAR, ETC.

DESIGNED & CHECKED
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| DRAWING NUMBER 5499-4 | REVISION A | |