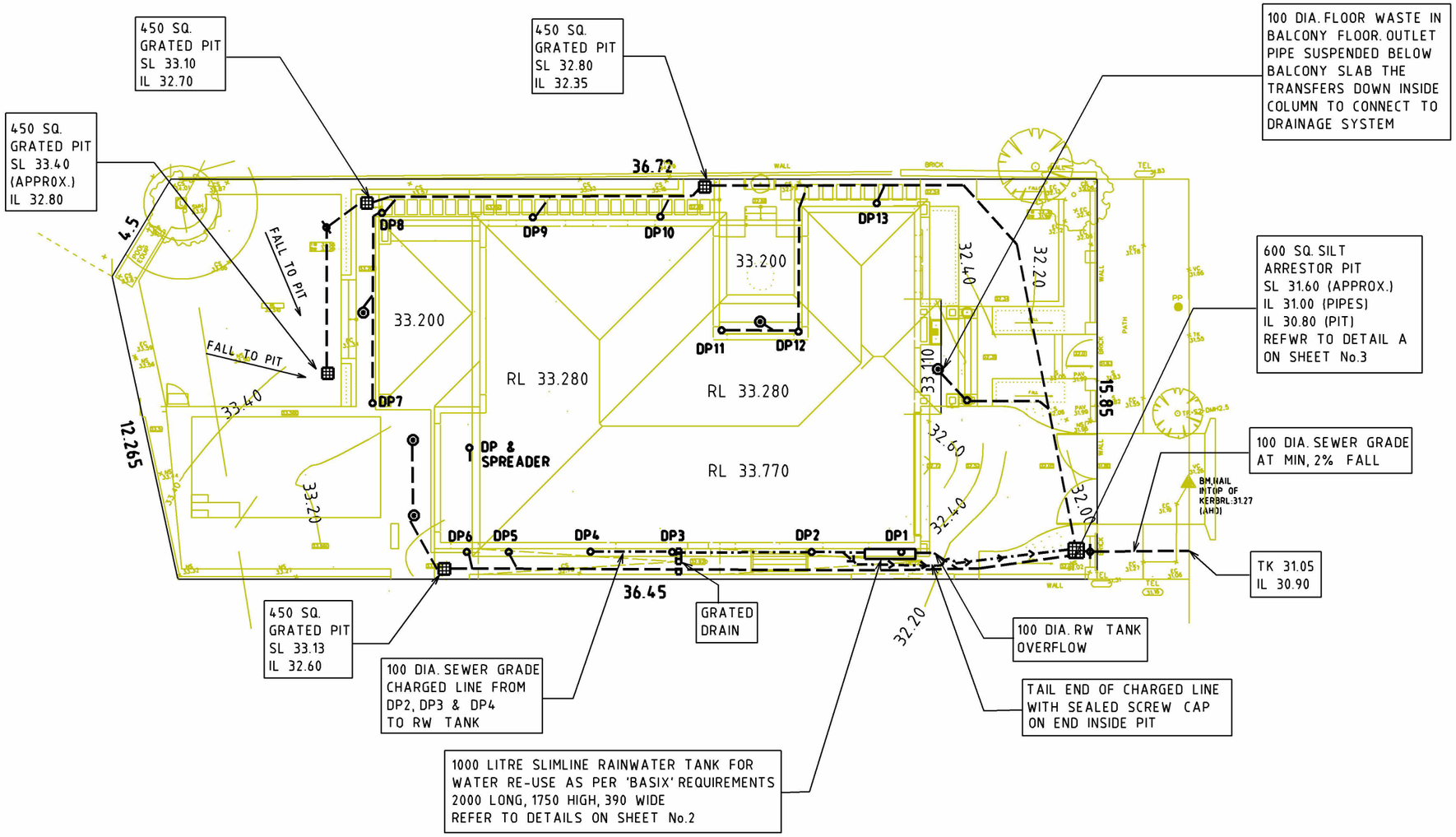
85m2 OF ROOF AREA
TO RW TANK



NOTES :

1. ALL DOWNPIPES ARE CHARGED 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)

DRAINAGE PLAN

SCALE 1:200

- GRAVITY LINES
- 100 DIA. CHARGED SEWER GRADE TO RW TANK
- INDICATES 100 DIA. FLOOR WASTE (SPS BRAND)
- INDICATES VERTICAL DROP IN PIPE TO LOWER SURFACE LEVELS

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 FLOOR WASTE
	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
FFL	FINISHED FLOOR LEVEL
—x—	SEDIMENT CONTROL BARRIER
—S—	SEWER
	INSPECTION OPENING RISER I/O

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

REV	DESCRIPTION	DESN	CHKD	DATE
A	ISSUED FOR DA			22.11.24

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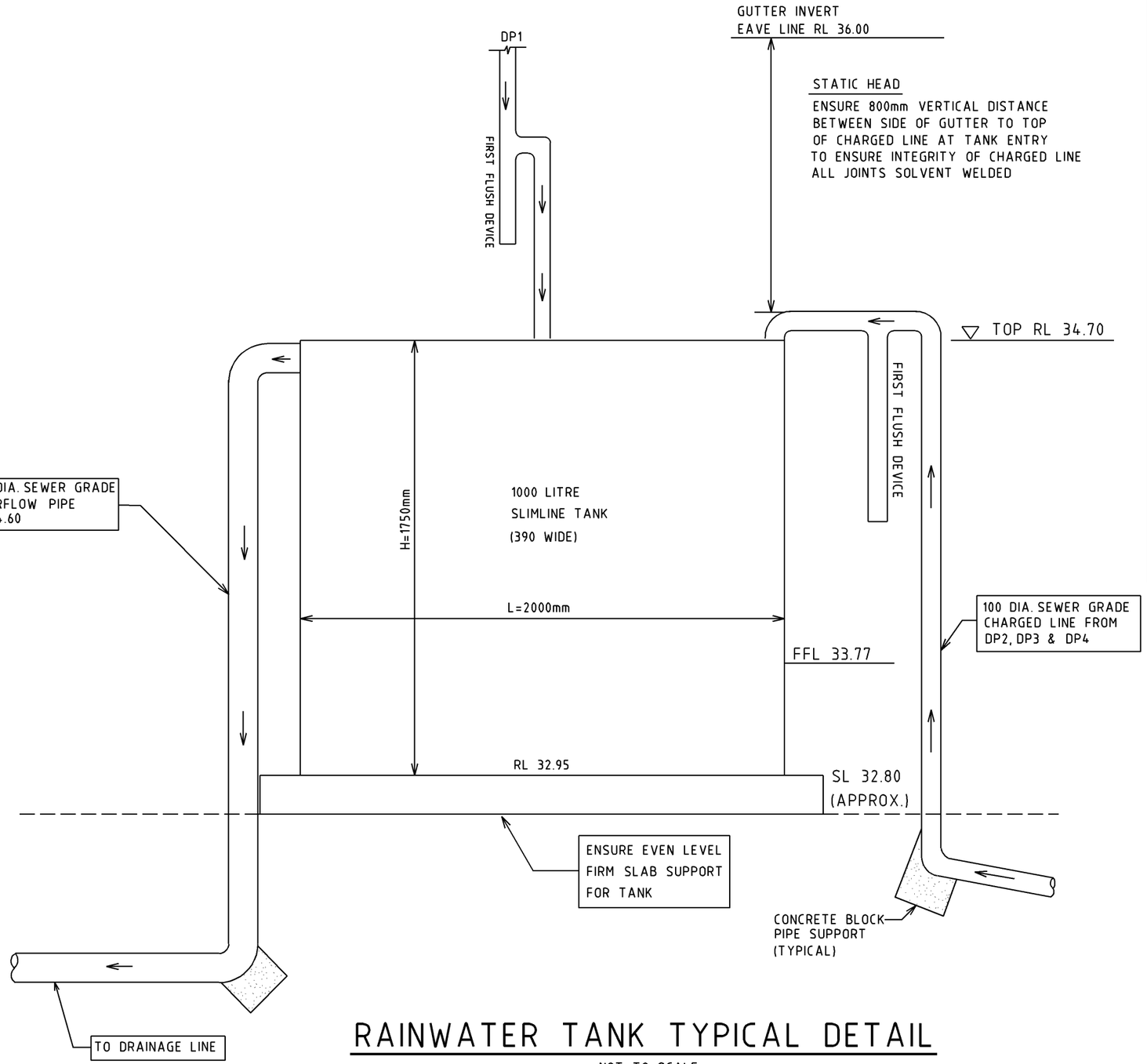
CLIENT: KURMOND HOMES

TITLE: H/No.3 COLLINGWOOD AVENUE, EARLWOOD

PROJECT: PROPOSED NEW RESIDENCE

SCALE	ORIGINAL SIZE		DATE	
1:200	A3		22.11.24	
DRAWN	DESIGNED	INIT	CHECKED	INIT
BJC	OD		OD	
DRAWING NUMBER			REVISION	
5564-1 (1 of 3)			A	

85m2 OF ROOF AREA
TO RW TANK



RAINWATER TANK TYPICAL DETAIL

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 SATISIFACTION 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.

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

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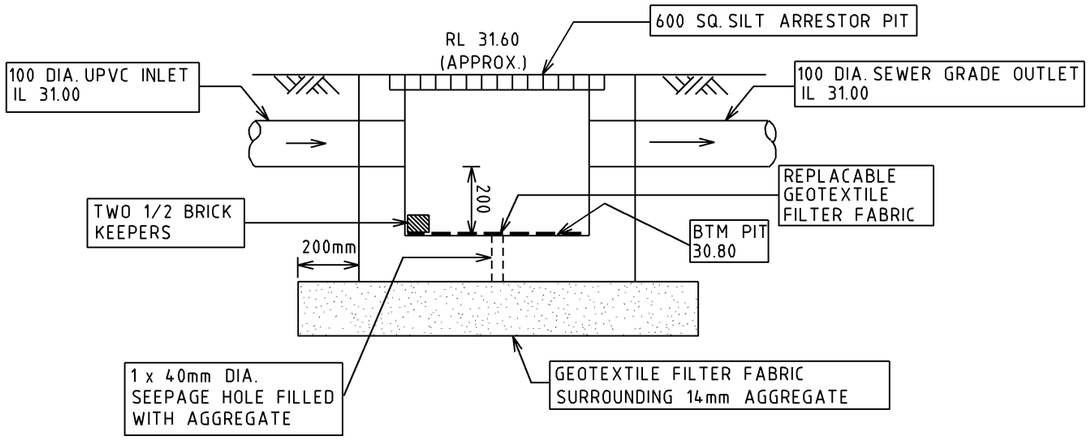
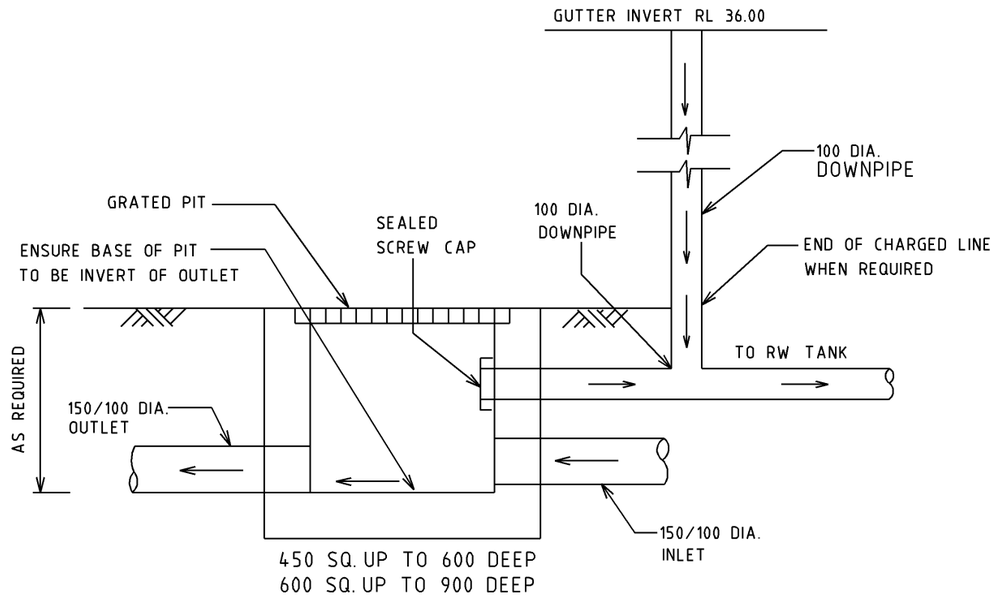
SCALE	ORIGINAL SIZE		DATE
AS SHOWN	A3		22.11.24
DRAWN: BJC	DESIGNED: OD	INIT	CHECKED: OD	INIT
DRAWING NUMBER: 5564-2			REVISION: A



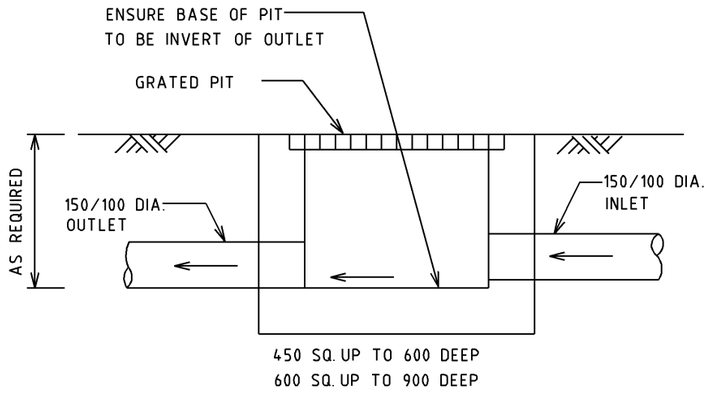
SILT ARRESTOR PIT DETAIL A

SCALE 1:20



TYPICAL PIT DETAIL
(WITH TAIL END OF CHARGED LINE SHOWN)

SCALE 1:20



TYPICAL PIT DETAIL

SCALE 1:20

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