

PROPOSED SECONDARY DWELLING NO.8 ARMSTRONG STREET, RYLSTONE NSW

DRAWING LIST	
SHEET NUMBER	SHEET TITLE
SW000	STORMWATER GENERAL NOTES
SW001	STORMWATER DRAINAGE PLAN

GENERAL

- 1 THE PLUMBER/DRAINER SHALL INSPECT THE SITE AND CONFIRM THE EXISTING SITE STRUCTURES, SERVICES AND CONDITIONS PRIOR TO PROCEEDING. SHOULD ANY DISCREPANCIES BE FOUND, CONTACT THE ENGINEER FOR DISCUSSION PRIOR TO PROCEEDING THE WORKS.
- 2 LOCATION OF STORMWATER SYSTEMS, INCLUDING DOWNPIPES, PIPES, PITS, ONSITE DETENTION AND RAINWATER TANK ARE INDICATIVE ONLY. EXACT LOCATION SHALL BE DETERMINED ON SITE BY THE PLUMBER/DRAINER TO SUITE SITE CONDITIONS.
- 3 THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND OTHER CONSULTANT DRAWINGS. IF ANY DISCREPANCIES BE FOUND, CONTACT THE ENGINEER FOR DISCUSSION PRIOR TO PROCEEDING THE WORKS.
- 4 ALL MATERIAL AND WORKMANSHIP TO BE CARRIED OUT IN ACCORDANCE WITH AS3500.3:2018 STORMWATER DRAINAGE, BCS AND LOCAL COUNCIL POLICY, CONSENT AND REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE PLUMBER/DRAINER TO OBTAIN AND APPROVALS/PERMITS/LICENSES ISSUED BY THE AUTHORITIES PRIOR TO PROCEEDING WITH STORMWATER WORKS.
- 5 ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED AND CONFIRMED ONSITE BY THE PLUMBER/DRAINER PRIOR TO COMMENCEMENT OF WORKS.
- 6 THESE DRAWINGS ARE NOT TO BE SCALED FOR DIMENSIONS NOR TO BE USED FOR SETOUT PURPOSES.
- 7 THESE DRAWINGS DEPICT THE DESIGN OF SURFACE STORMWATER RUNOFF DRAINAGE SYSTEMS ONLY AND DO NOT DEPICT ROOF DRAINAGE OR SUBSOIL DRAINAGE SYSTEMS. UNLESS NOTED OTHERWISE, THE DESIGN OF ROOF AND SUBSOIL DRAINAGE SYSTEMS IS THE RESPONSIBILITY OF OTHERS.
- 8 ALL DOWNPIPES TO BE Ø100 SEWER GRADE AND FULLY SEALED U.N.O. ALL STORMWATER PIPES TO BE Ø100 SEWER GRADE AT 1% MIN. FALL U.N.O. ALL MATERIALS USED IN THE WORK SHALL BE NEW AND CONFORM WITH RELEVANT AUSTRALIAN STANDARDS AND BEAR THE REQUIRED STANDARDS MARK.
- 9 INSPECTION AND CERTIFICATE, IF REQUIRED, SHALL BE DONE PRIOR TO BACKFILLING. ALLOW 24 HOUR NOTICE FOR THE ENGINEER TO CARRY OUT INSPECTION.
- 10 ANY DAMAGE TO SERVICES DURING CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY AT THE PLUMBER/DRAINER'S OWN EXPENSE.

UTILITIES

- 1 THE LOCATION OF UTILITIES SHOWN ON THESE DRAWINGS ARE INDICATIVE ONLY. THE CONTRACTOR SHALL, BEFORE COMMENCING ANY WORKS:
 - a. DETERMINE THE EXTENT OF EXISTING UTILITY SURVEY AND INFORMATION REFERENCED ON THESE DRAWINGS.
 - b. OBTAIN CURRENT DIAL BEFORE YOU DIG PLANS AND INFORMATION BY TELEPHONING 1100 OR FAX 1300 682 077 TO ASCERTAIN THE EXACT LOCATION OF UTILITIES.
- 2 THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE VICINITY OF EXISTING UTILITY SERVICES.
- 3 THIS FIRM WILL NOT BE LIABLE FOR ANY COSTS ARISING FROM DAMAGE TO ANY UTILITY SERVICES CAUSED BY THE CONTRACTOR



DRAINAGE NOTES

- 1 UNLESS NOTED AS OTHERWISE, ALL DOWNPIPES TO BE Ø100 ROUND (OR 100x75 RECTANGULAR) AND FULLY SEALED. ALL STORMWATER PIPES TO BE Ø100 SEWER GRADE AND TO BE LAID AT 1% MINIMUM FALL UNLESS NOTED AS OTHERWISE. ALL MATERIALS USED IN THE WORK SHALL BE NEW AND CONFORM WITH RELEVANT AUSTRALIAN STANDARDS AND BEAR THE REQUIRED STANDARDS MARK.

- 2 UNLESS NOTED AS OTHERWISE, THE PIPE COVER, MEASURED FROM THE TOP OF THE PIPE TO THE FINISHED SURFACE, SHALL BE AS PER THE TABLE BELOW:

PIPE LOCATION	MINIMUM COVER
NOT SUBJECT TO VEHICULAR LOADING	100mm FOR SINGLE DWELLING 300mm FOR ALL OTHER DEVELOPMENTS
SUBJECT TO VEHICULAR LOADING	450mm WHERE NOT UNDER ROAD
UNDER SEALED ROAD	600mm
UNDER UNSEALED ROAD	750mm
UNDER FOOTPATHS	400mm
PARK	400mm
PAVED DRIVEWAY	100mm BELOW UNDER SIDE OF PAVEMENT

- 3 ANY PIPES BENEATH RELEVANT LOCAL AUTHORITY ROAD TO BE RUBBER RING JOINTED RCP, UNLESS NOTED AS OTHERWISE.

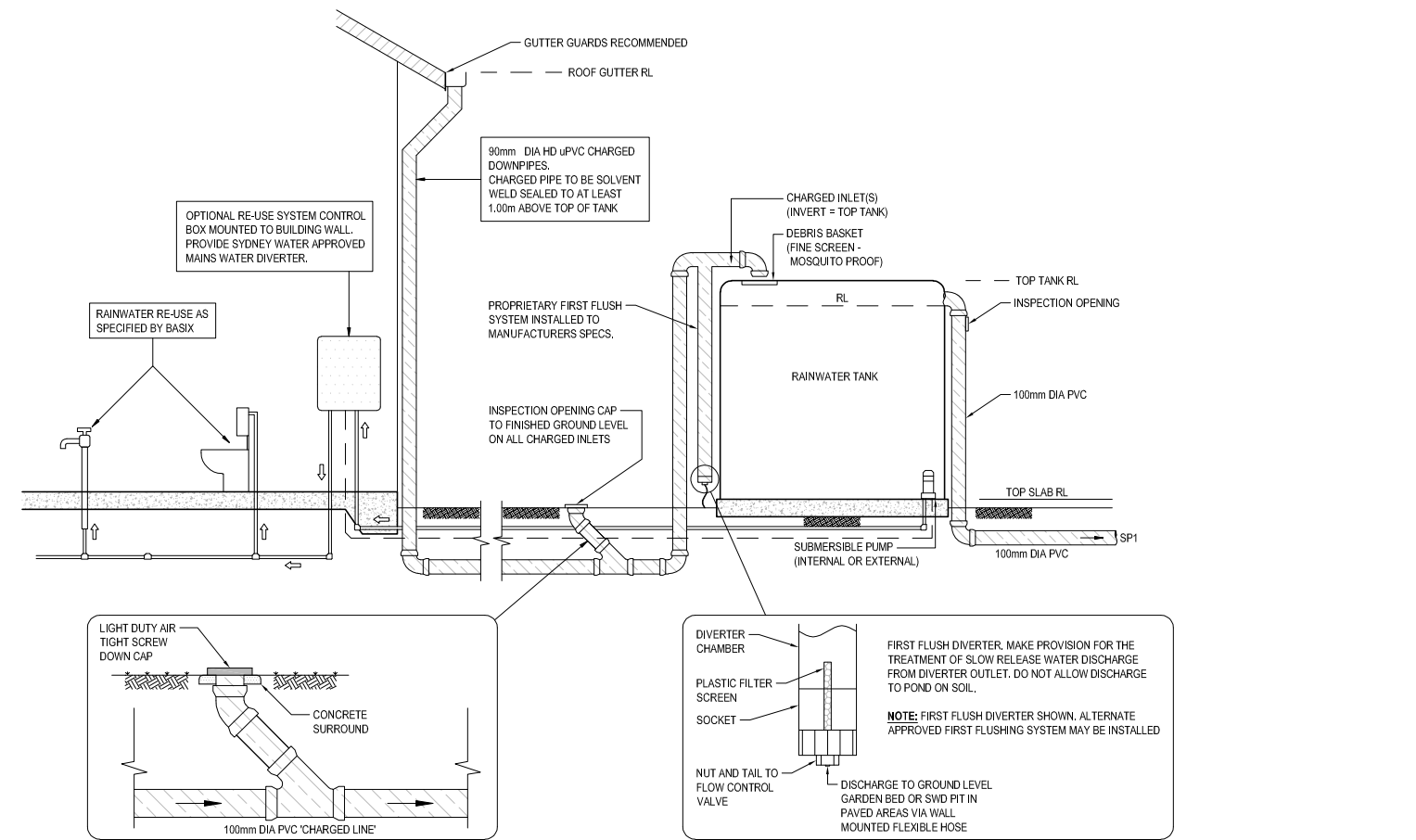
- 4 ALL STORMWATER PIT WITHIN THE PROPERTY ARE TO BE FITTED WITH "WELDOCK" OR APPROVED EQUIVALENT GRATE OF:
 - LIGHT DUTY FOR LANDSCAPED AREAS
 - HEAVY DUTY WHERE SUBJECT TO VEHICULAR TRAFFIC

- 5 UNLESS NOTED AS OTHERWISE, MINIMUM INTERNAL DIMENSIONS FOR STORMWATER AND INLET PITS SHALL BE GIVEN IN TABLE BELOW:

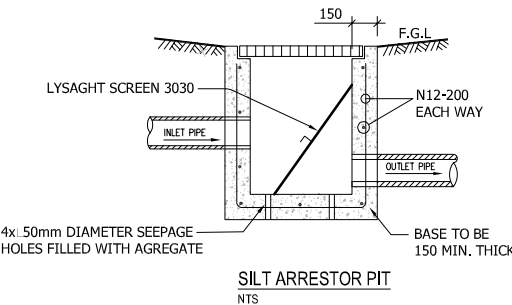
DEPTH TO INVERT OF OUTLET	MINIMUM INTERNAL DIMENSION (mm)	
	WIDTH	LENGTH
UP TO 450mm	450	450
450mm TO 600mm	600mm	600mm
600mm TO 900mm	600	600
900mm TO 1500 (*)	900	900
1500 TO 2000 (*)	1200	1200

- 6 ALL PITS IN ROADWAY SHALL BE FITTED WITH HEAVY DUTY GRATES WITH LOCKING BOLTS AND CONTINUOUS HINGES.

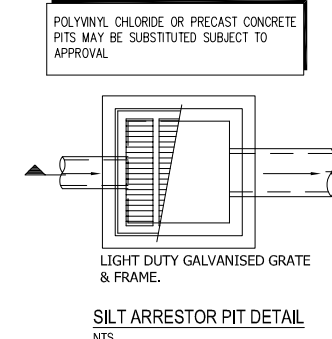
- 7 SUB-SOIL DRAINS FOR RETAINING WALL AND EMBANKMENTS SHALL BE INSTALLED BY THE BUILDER AND CONNECTED TO STORMWATER LINES. ALL AGG. LINES SHALL BE 100mm DIA., UNLESS NOTED OTHERWISE



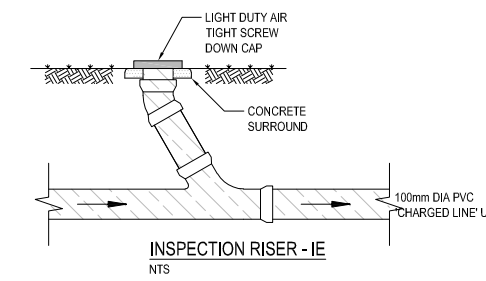
RAINWATER RE-USE TANK - ABOVE GROUND
NTS



SILT ARRESTOR PIT
NTS



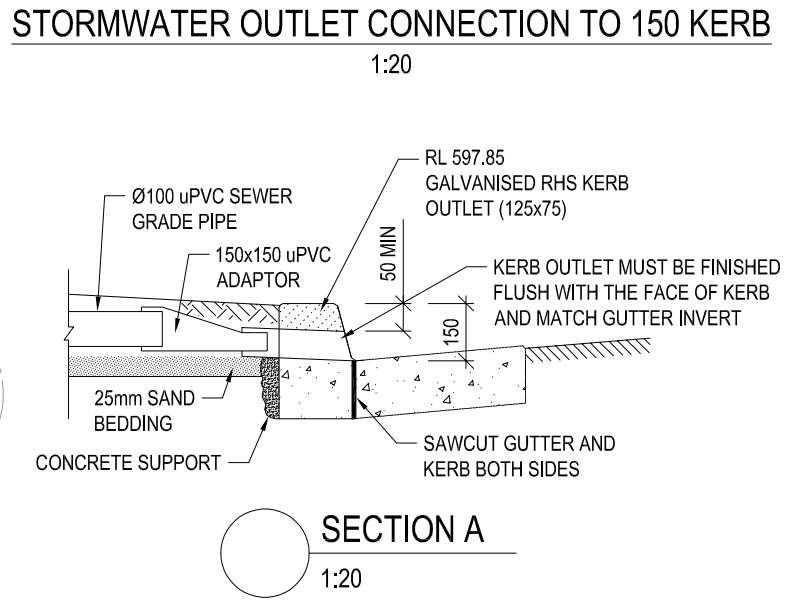
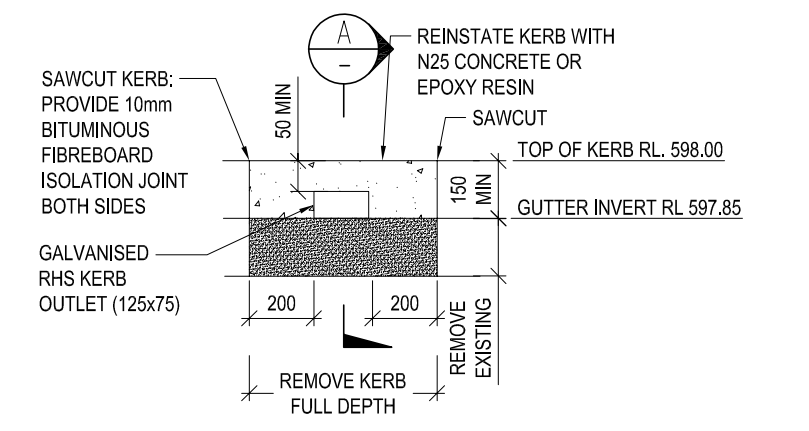
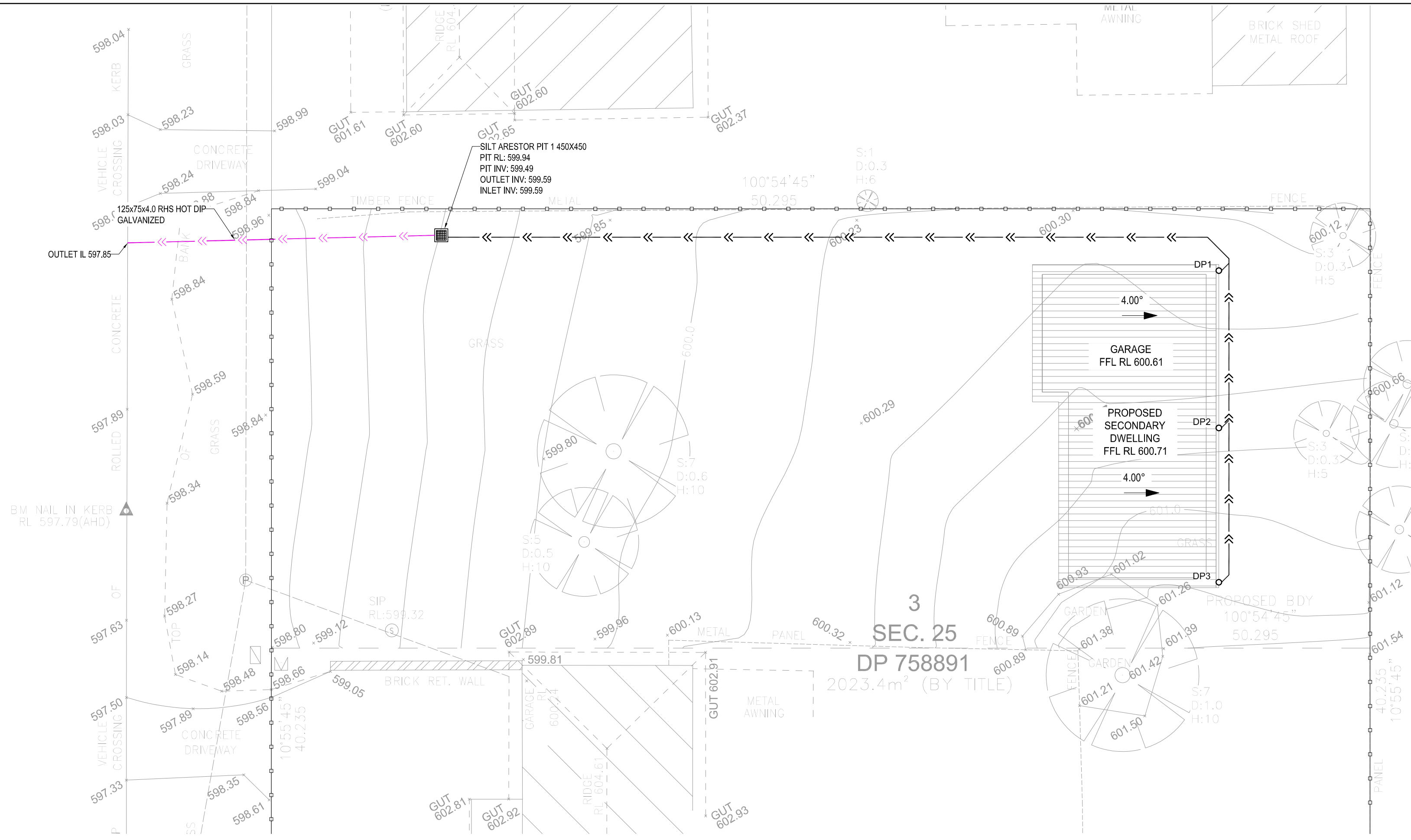
SILT ARRESTOR PIT DETAIL
NTS



INSPECTION RISER - IE
NTS

ARMSTRONG STREET

LANE

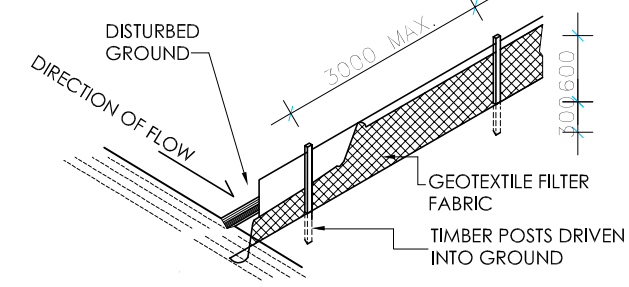


SITE DRAINAGE PLAN

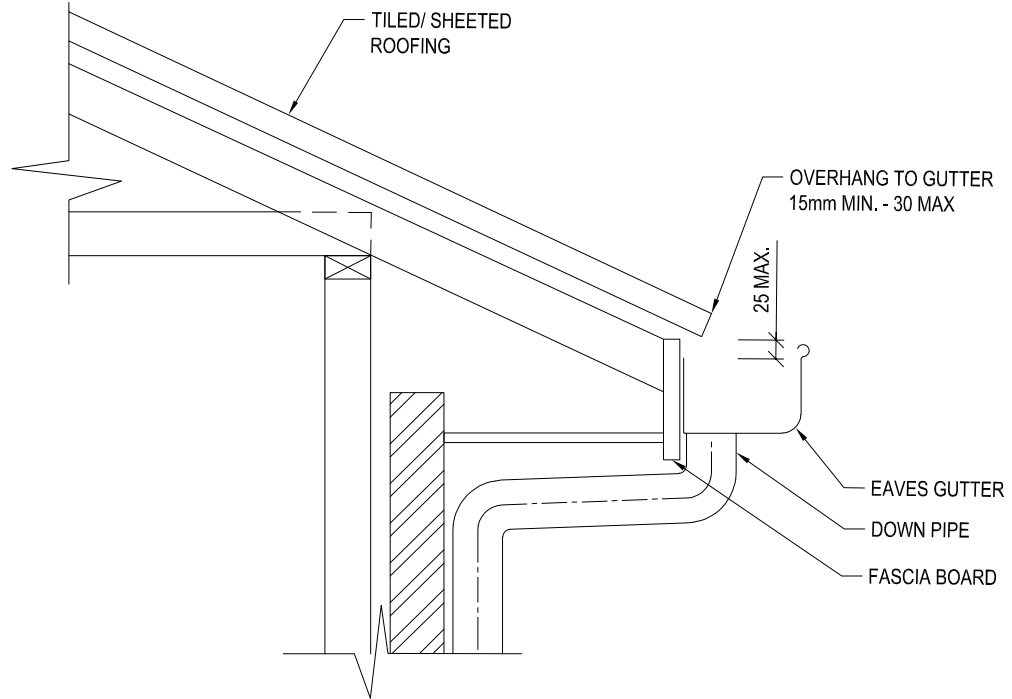
1:150

- IMPORTANT NOTES:**
- ALL DOWNPIPE WITH RAINWATER HEAD ARE FOR GROUND FLOOR ROOF
 - ALL DOWNPIPE WITH SPREADER ARE FOR FIRST FLOOR ROOF
 - ALL DOWNPIPE LOCATIONS ARE INDICATIVE ONLY AND TO BE DETERMINED AND CONFIRMED ON SITE BY THE BUILDER/PLUMBER TO AVOID DOOR AND WINDOW OPENINGS.

- SEDIMENT CONTROL NOTES:**
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES, INCLUDING REVEGETATION AND STORAGE OF SOIL, SHALL BE IMPLEMENTED TO THE STANDARDS OF THE SOIL CONSERVATION OF N.S.W.
 - ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILIZED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
 - SEDIMENT STRAPS SHALL BE CONSTRUCTED AROUND ALL INLET PITS. CONSISTING OF 300mm WIDE x 300mm DEEP TRENCH.
 - ALL SEDIMENT BASINS AND TRAPS SHALL BE CLEANED WHEN THE STRUCTURES ARE A MINIMUM OF 40% FULL OF SOIL MATERIALS, INCLUDING THE MAINTENANCE PERIOD.
 - ALL DISTURBED AREAS SHALL BE REVEGETATED AS SOON AS THE RELEVANT WORKS ARE COMPLETED.
 - SOIL AND STOCKPILES SHALL BE LOCATED AWAY FROM DRAINAGE LINES AND AREA WHERE WATER MAY CONCENTRATE.
 - FILTER SHALL BE CONSTRUCTED BY STRETCHING A FILTER FABRIC (PROPEX OR APPROVED EQUIVALENT BETWEEN POST AT 3.0M CENTERS. FABRIC SHALL BE BURIED 150 mm ALONG ITS LOWER EDGE.



- NOTES:**
- ALL DEMOLITION WORK TO BE CARRIED OUT TO THE SATISFACTION OF THE WORKCOVER'S AUTHORITY
 - ALL DEMOLITION WORK TO BE CARRIED OUT COMPLYING WITH THE OCCUPATIONAL HEALTH & SAFETY ACT 2000.
 - ALL DEMOLITION WORK TO BE CARRIED OUT COMPLYING WITH AS 2600-2001 DEMOLITION OF STRUCTURES.
 - ALL DEMOLITION WORK TO BE CARRIED OUT COMPLYING WITH AS 2002-1988 CODE OF PRACTICE FOR THE SAFE REMOVAL OF ASBESTOS



LEGEND	
	RAINWATER TANK
	PIPE INVERT RL
	DOWNPIPES SPREADER
	DOWNPIPE 100X50 RHS OR Ø90 UPVC PIPE
	DOWNPIPE WITH SQUARE RAINWATER HEAD
	STORMWATER LINE Ø100 UPVC CHARGE LINE FROM DOWNPIPES TO PIT SLOPE 1% MINIMUM
	STORMWATER LINE Ø100 UPVC DISCHARGE FROM PIT TO FRONT KERB AND GUTTER SLOPE 1% MINIMUM
	OVERLAND FLOW
	PIT
	CLEANING EYE (INSPECTION EYE)
	RAINWATER OUTLET
	BOUNDARY LINE
	EXISTING STORMWATER LINE

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- COUNCIL DOCUMENTATION
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STORMWATER DRAINAGE PLAN

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A	ISSUED FOR DA	PD	20.02.2025
ISSUE	AMENDMENT	BY	DATE