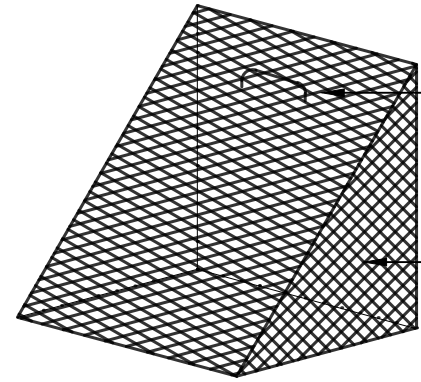


NOTE

- PRIOR TO ANY NEW PIPES CONNECTION, EXISTING STORMWATER DRAINAGE PIPE SHOULD BE CCTV CAMERA CHECKED BY PROFESSIONAL LICENCED PLUMBER TO ENSURE THERE IS NO BLOCKAGE AND LEAKAGE.
- EXISTING STORMWATER DRAINAGE SYSTEM IS ASSUMED ON THE PLAN. LICENCED PLUMBER/BUILDER SHOULD LOCATE THE EXISTING DRAINAGE SYSTEM PRIOR TO ANY CONSTRUCTION.



HANDLE

TRASH SCREEN TO PROTECT THE ORIFICE AND DOWNSTREAM DRAINAGE SYSTEM.(MAXIMESH RH3030 OR EQUIVALENT) SCREEN MUST BE PLACED SO THAT THE LONG AXIS OF THE OVAL SHAPED HOLES ARE HORIZONTAL WITH THE PROTRUDING LIP ANGLED UPWARDS AND FACING DOWNSTREAM.

SITE INFORMATION

- CANTERBURY-BANKSTOWN COUNCIL
- TOTAL SITE AREA: 627.08 m²
- PRE- IMPERVIOUS AREA: 492.49m² (DRIVEWAY AND ROOF AREAS)
- PRE-IMPERVIOUS AREA RATIO: 78.53%
- POST- IMPERVIOUS AREA: 504.48M² (DRIVEWAY AND ROOF AREAS)
- POST-IMPERVIOUS AREA RATIO: 78.92%->78.53%

OSD IS NOT REQUIRED DUE TO INSIGNIFICANT INCREASE THE STORMWATER RUNOFF AS PER COUNCIL S DCP - DEVELOPMENT ENGINEERING STANDARDS GUIDE SECTION 7.

ABBREVIATIONS

- AH----ACCESS HATCH
DDO----DISH DRAIN OUTLET
CO----CLEAR OUT
DCP----DISCHARGE CONTROL PIT
DP-----DOWNPIPE
FFL----FINISH FLOOR LEVEL
FW-----FLOOR WASTE
GL-----GROUND FLOOR LEVEL
IL-----INVERT LEVEL
OSD-----ON SITE DETENTION
PD-----PLANTERS DRAIN
PFO----PLANTER FLOOR OUTLET
PP-----PLANTER PIT
RH-----RAINWATER HEAD
RP-----RELN PIT
RO-----ROOF OUTLET
SDO---STRIP DRAIN OUTLET
SIP----SURFACE INLET PIT
STP----SILT TRAP PIT
SP-----SPREADER
TD-----TUN DISH

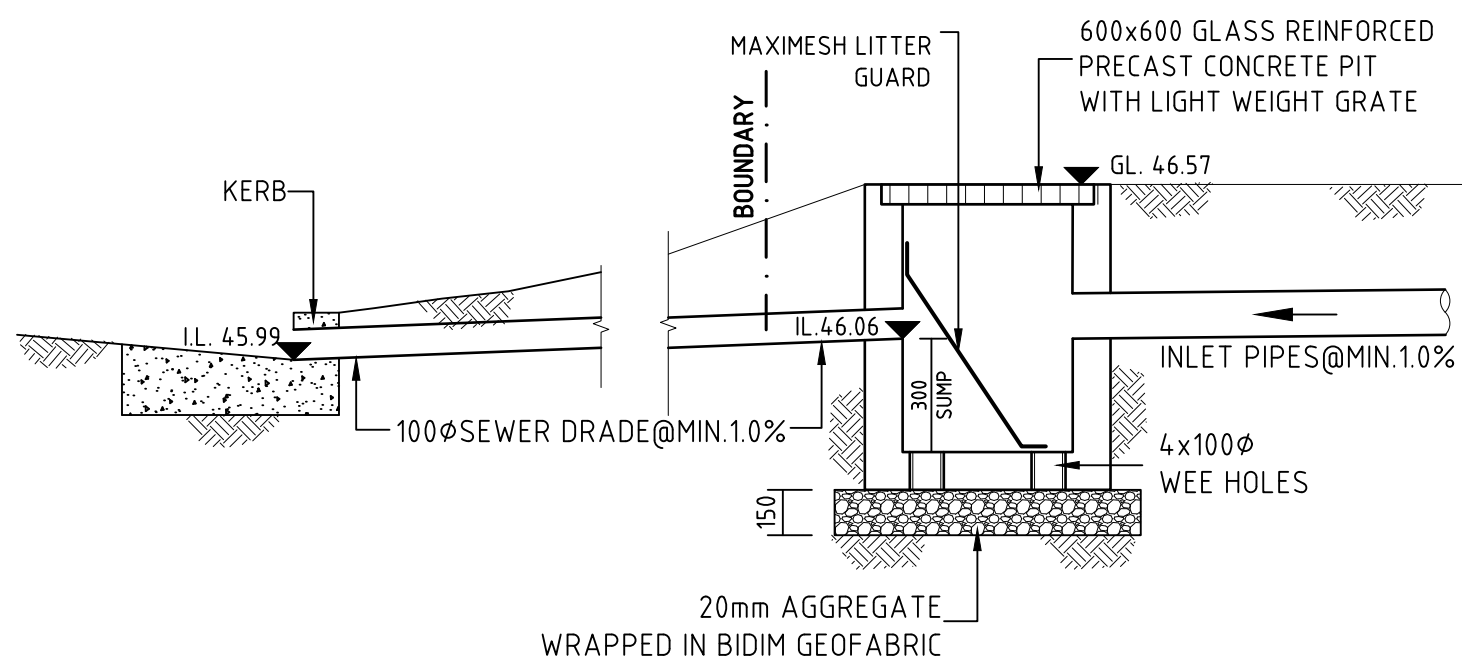
STORMWATER DRAINAGE NOTES

- PROVIDE INSPECTION OPENINGS TO ALL DOWNPIPES NOT DIRECTLY CONNECTED TO PITS.
- ALL PIPES TO BE 100Ø UPVC SEWER GRADE UNO, LAID ON A MIN 1% GRADE, MINIMUM 300mm COVER UNO.
- PIT SIZE
 - TO BE 450x450mm, PITS ARE 600mm OR LESS DEEP TO BE 450X450mm.
 - TO BE 600x600mm, PITS ARE GREATER THAN 600mm BUT LESS THAN 1000mm DEEP.
- ALL PIPES TO BE ADVISED.
- ALL PIT FLOORS TO HAVE A MINIMUM OF 20mm FALL, PROFILED AND STEAMLINED (FOR HALF OF THE DEPTH OF THE PIPE) IN THE DIRECTION OF FLOW.
- ALL GRATES ON THE DRIVEWAY TO BE HEAVY DUTY.
- ALL GUTTERS, PITS, PIPES AND DOWNPIPES TO BE INSTALLED IN ACCORDANCE WITH AS3500.3.2.12018.
- THE CONNECTION TO COUNCIL'S DRAINAGE SYSTEM SHALL BE CONSTRUCTED PRIOR TO THE CONSTRUCTION OF ALL INTERNAL DRAINAGE. THE COUNCIL ENGINEER BEING GIVEN 48 HOURS NOTICE PRIOR TO CONSTRUCTION.
- DRIVEWAY BOUNDARY LEVEL'S MUST BE CONFIRMED PRIOR TO CONSTRUCTION.

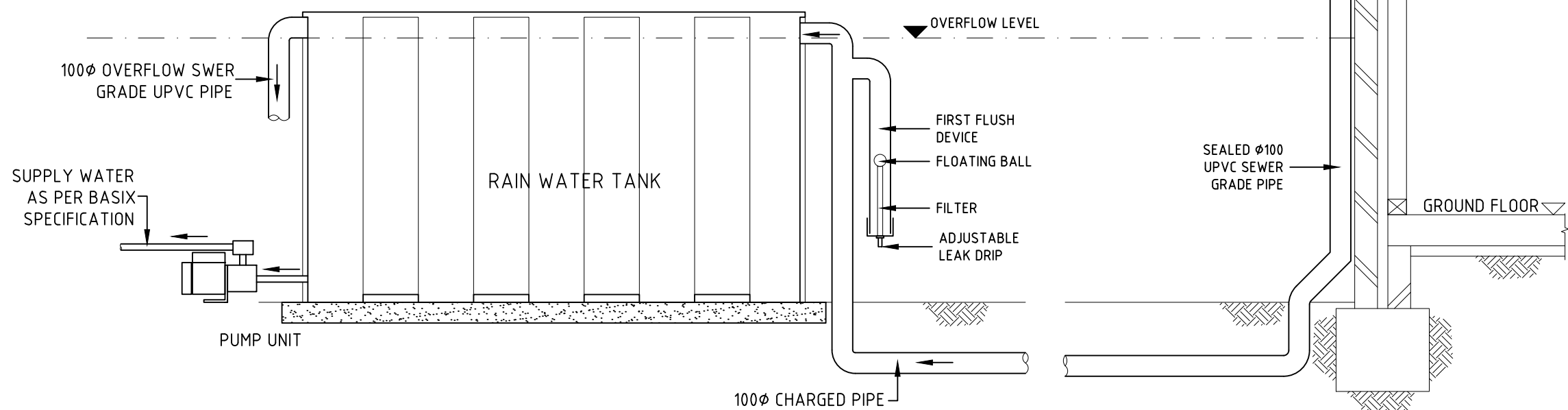
RAINWATER REUSE NOTES:

- EVERY FIXTURE SERVICED FROM THE RECYCLED WATER SUPPLY MUST BE NOTED WITH A PLAQUE FOR IDENTIFICATION AND MARKED WITH "NOT FOR HUMAN CONSUMPTION" OR "NON-POTABLE WATER".
- OVERFLOW FROM RAINWATER TANK TO BE CONNECTED TO STORMWATER DRAINAGE SYSTEM.
- ALL RECYCLE WATER PIPES TO BE COLOUR CODED FOR IDENTIFICATION.
- WATER AUTHORITY MUST BE CONTACTED REGARDING RECYCLED WATER ON THE BUILDING AND FOR THE BACKFLOW PREVENTION REQUIREMENTS AND TOP-UP SYSTEM.
- ANY GARDEN OR CARWASH TAPS CONNECTED RECYCLE SYSTEM MUST BE LOCATED 15m MIN. ABOVE THE SURFACE.
- FOR PERIOD OF LOW WATER LEVEL IN THE RAINWATER TANK, A CONNECTION TO WATER MAIN IS NEEDED AND TO BE PROVIDED IN ACCORDANCE WITH THE WATER AUTHORITY.
- PUMPS AND FILTERS ON OUTLETS FROM RECYCLE SYSTEM TO BE SUPPLIED AS MAY BE REQUIRED.

SITE AND GROUND FLOOR STORMWATER DRAINAGE CONCEPT PLAN SCALE: 1:100



600x600
SILT
ARRESTOR
PIT



2000L RAINWATER TANK DETAILS

DOWN PIPE DETAILS

REV.	DATE	BY	CHECKED	AMENDMENTS
A	05 MAR 25	L.Z.	S.W.W.	PRELIMINARY ISSUE

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JOB NAME:
**PROPOSED GARAGE AND SECONDARY DWELLING
AT 11 ELIZABETH CRES YAGOONA**

CLIENT, ARCHITECT:
GEORGE BANKS ARCHITECTURE

DRAWING TITLE:
**SITE AND GROUND FLOOR STORMWATER
DRAINAGE PLAN**

No. IN SET	JOB No	2322.25	DRG. No	REV
			D1	A
SCALE	DESIGNED	DRAWN	DATE	No.
N.T.S.	S.W.W.	L.Z.	MAR 2025	

APPROVED BY:  **STEVEN WATERS**
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CIVIL AND STRUCTURAL



NOTE

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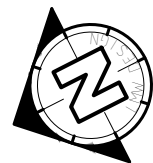
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DOWNPIPE SIZING:

ALL THE DOWNPIPES ARE DESIGNED FOR A 1:100 ARI FOR 5 MIN DURATION, 201mm/h.

1. NEW ROOF CATCHMENT AREA: 287m²
2. ARI 5MIN/100YR: 201mm/h
3. DOWNPIPE SIZE: Ø100mm
4. NO. OF DP: 3.49 = 4DP
5. NO. OF DP PROVIDED: 7DP



ROOF FLOOR STORMWATER DRAINAGE CONCEPT PLAN SCALE: 1:100

A	05 MAR 25	L.Z.	S.W.W.	PRELIMINARY ISSUE
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