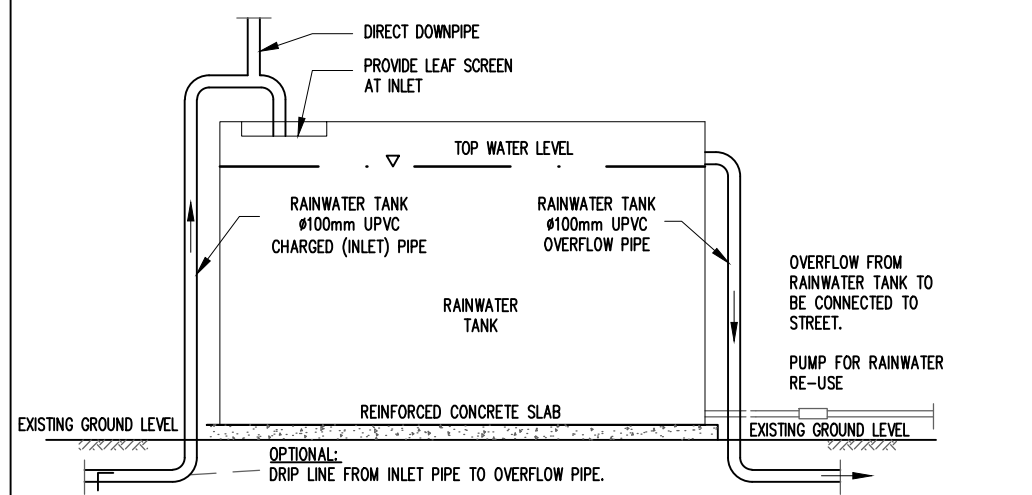


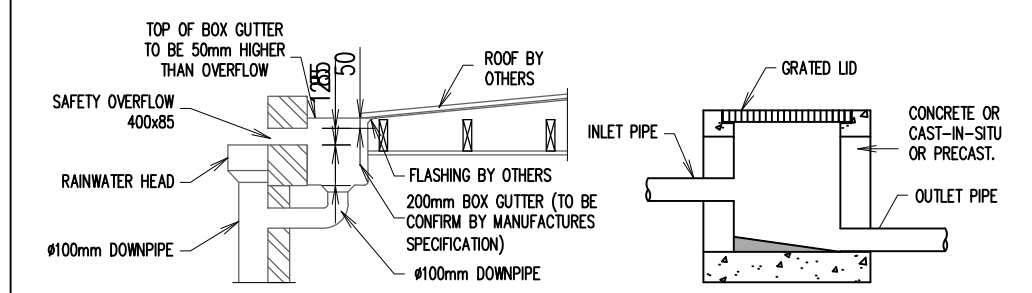
DUAL WATER & RAINWATER SUPPLY DIAGRAM

SCALE NTS



RAINWATER REUSE TANK CONNECTION DETAILS

SCALE NTS

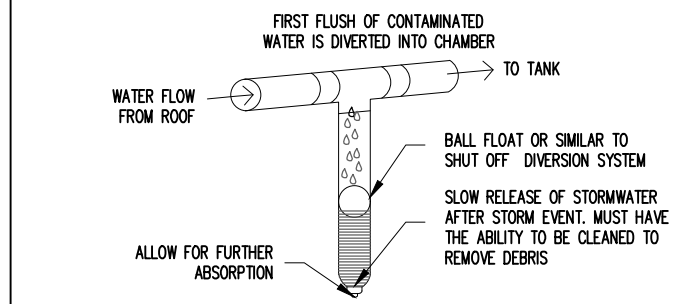


RAINWATER OUTLET WITH BOX GUTTER

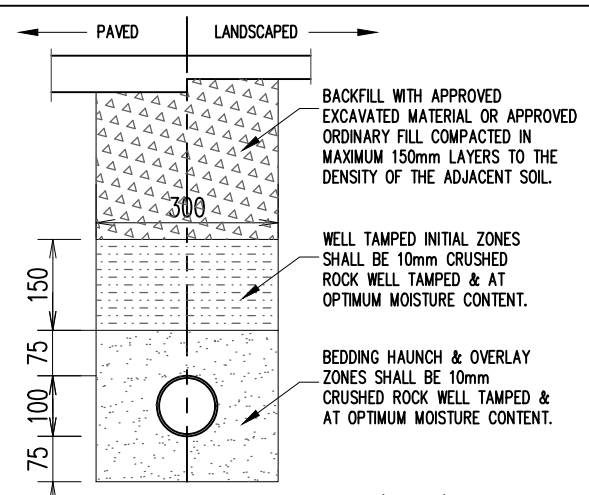
TO BE USED IF REQUIRED

TYPICAL GRATED PIT

TO BE USED IF REQUIRED

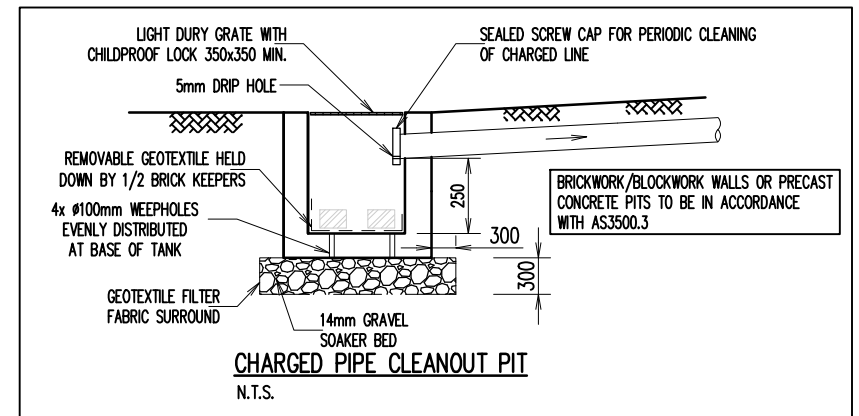


FIRST FLUSH WATER DIVERTER DETAIL



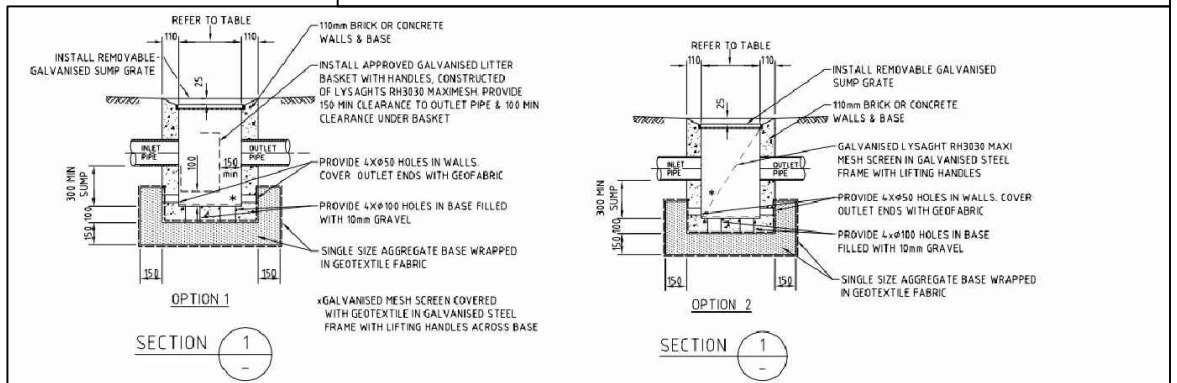
TYPICAL PIPE LAYING DETAILS (N.T.S.)

- NOTES:
1. ALL WORK TO BE DONE TO THE SATISFACTION OF CANTERBURY BANKSTOWN CITY COUNCIL.
 2. PROPOSED CONCRETE DRIVEWAY TO BE CONSTRUCTED IN ACCORDANCE WITH PLANS, SPECIFICATIONS, AND LEVEL ISSUED SEPARATELY BY COUNCIL (IF APPLICABLE) AND RELEVANT AUSTRALIAN STANDARDS INCLUDING AS2890.1
 3. ALL PIPES TO BE MIN. 100mm DIA UNLESS NOTED OTHERWISE (UNO).
 4. ALL PIPES TO BE GRADE UPVC AT MIN. 1% UNLESS INVERT LEVELS INDICATE OTHERWISE
 5. CONNECT GARBAGE BINS AREAS TO SEWER BY OTHERS
 6. ALL GRATES TO BE FITTED WITH CHILDPROOF LOCKS
 7. PROVIDE AG LINES FOR DEEP SOIL AREAS & CONNECT IT TO STORMWATER SYSTEM BY GRAVITY
 8. PROPOSED RETAINING WALLS LEVELS AND DETAILS TO BE CONFIRMED BY ARCHITECT/LANDSCAPE ARCHITECT
 9. SUBSOIL DRAINAGE TO BE PROVIDED FOR RETAINING WALLS
 10. DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS
 11. REFER ARCHITECTURAL DRAWINGS FOR ALL SETOUT LEVELS, FALLS, ETC.
 12. ALL TRAFFICABLE DRAINS TO BE HEAVY DUTY



CHARGED PIPE CLEANOUT PIT

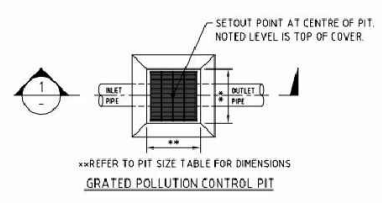
N.T.S.



SECTION 1

SECTION 2

- NOTES:
1. GEOTEXTILE IS TO BE BMDM A14, PROPEX 4550 OR SIMILAR WITH COEFFICIENT OF PERMEABILITY GREATER THAN 50E-4m/s.
 2. FOR PIPES >925 USE PROPRIETARY UNIT.
 3. STEP IRON LADDER TO BE PROVIDED FOR PITS DEEPER THAN 1200mm PLACED ON A WALL CLEAR OF FLOW WHERE POSSIBLE, IN ACCORDANCE WITH BCC STANDARD S-122.
 4. AGGREGATE TO BE APPROVED SINGLE SIZE 5mm, 7mm, 10mm 14mm OR 20mm.
 5. ALL DIMENSIONS ARE IN MILLIMETRES.



GRATED POLLUTION CONTROL PIT

PIT SIZE TABLE	
INTERNAL PIT SIZE	DEPTH
300 X 300	~ 600
450 X 450	600-800
600 X 600	800-1000
600 X 900	1000-1300
900 X 900	~1300

CITY OF CANTERBURY BANKSTOWN-BANKSTOWN BRANCH		STD DWG N°
STANDARD		S-106
POLLUTION CONTROL PIT FOR PIPES UP TO 225 DIA		Sheet 01 of 1
PLAN VIEW, SECTIONS AND GENERAL DETAILS		Author/Date: 6/10/2016

GENERAL INFORMATION

GENERAL NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL, LANDSCAPE AND OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS AND WITH OTHER SUCH WRITTEN INSTRUCTION AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEERS BEFORE PROCEEDING WITH THE WORK.
2. ALL DIMENSIONS ARE IN MILLIMETERS & ALL LEVELS ARE IN METERS, UNO (UNLESS NOTED OTHERWISE).
3. NO DIMENSION SHALL BE OBTAINED BY SCALING THE DRAWINGS.
4. EXISTING SERVICES LOCATIONS SHOWN INDICATIVE ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE & LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF ANY WORKS.
5. ALL BALCONIES AND ROOFS TO BE DRAINED AND TO HAVE SAFETY OVERFLOWS IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS. ALL EXTERNAL SLABS TO BE WATERPROOFED.
6. DURING EXCAVATION WORK, THE STRUCTURE SHALL BE MAINTAINED IN A STABLE AND NO PART SHALL BE OVERSTRESSED.
7. ALL WORK IS TO BE UNDERTAKEN IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS & SPECIFICATION.
8. EXISTING SERVICES WHERE SHOWN HAVE BEEN PLOTTED FROM SUPPLIED DATA AND SUCH THEIR ACCURACY CAN NOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LEVEL OF ALL EXISTING SERVICE PRIOR TO THE COMMENCEMENT OF WORK.
9. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACK FILLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL COUNCIL.
10. ALL TRENCH BACK FILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
11. ON COMPLETION OF STORMWATER INSTALLATION, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL CONDITION, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS AND ROAD PAVEMENTS, UNLESS DIRECTED OTHERWISE.
12. CONTRACTOR TO OBTAIN ALL AUTHORITY APPROVALS UNLESS DIRECTED OTHERWISE.
13. LOCATION OF DOWNPIPES AND FLOOR WASTES ARE INDICATIVE ONLY. DOWN PIPE AND FLOOR WASTE SIZE, LOCATION AND QUANTITY TO BE DETERMINED BY BUILDER & IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARD.
14. ANY DISCREPANCIES OR OMISSIONS SHALL BE REFERRED TO THE DESIGN ENGINEER FOR RESOLUTION.
15. ALL PITS OR GRATES IN TRAFFICABLE AREAS TO BE HEAVY DUTY. ALL GRATES TO HAVE CHILD PROOF LOCKS
16. ALL GUTTERS WILL BE FITTED WITH LEAF GUARDS AND SHOULD BE INSPECTED AND CLEANED TO ENSURE LEAF LITTER CANNOT ENTER THE DOWNPIPES.
17. ENSURE ALL DRAINAGE WORKS ARE AWAY FROM TREE ROOTS.

RAINWATER TANK INFORMATION

1. RAINWATER TANK TO COLLECT RAIN RUNOFF FROM AT LEAST AS PER BASIX SQUARE METERS OF ROOF AREA.
2. PROPOSED RAINWATER TANK SIZE AS PER SUPPLIERS SPECIFICATIONS
3. RAINWATER TANKS SHALL BE CONNECTED TO MAINS WATER SUPPLY AS BACKUP.
4. PUMPS SHALL PROVIDE MINIMUM 150KPa PRESSURE.
5. RAINWATER TANK TO BE CONNECTED AS PER BASIX REQUIREMENTS.
6. A SIGN TO BE INSTALLED STATING "NOT FOR HUMAN CONSUMPTION".
7. TANKS TO BE PLUMBED TO TOP-UP FROM THE POTABLE WATER SUPPLY DURING DRY PERIODS WHEN THE TANKS ARE 80% EMPTY.
8. NO DIRECT CROSS-CONNECTION WITH THE SYDNEY WATER POTABLE SUPPLY AND AN AIR GAP MAINTAINED ABOVE THE OVERFLOW IN THE TANK.
9. ANY OPENINGS SHALL BE MESHED OR SEALED TO PREVENT MOSQUITOS BREEDING AND ENTRY OF ANIMALS OR FOREIGN MATTER.
10. RAINWATER TANKS TO BE CLEANED OUT EVERY 6 MONTHS.
11. ALL DOWNPIPES TO BE SEALED TO UNDERSIDE OF FIRST FLOOR GUTTER AS DRAINAGE SYSTEM IS CHARGED TO FACILITATE PROPOSED ABOVE GROUND REUSE TANK.
12. THIS SYSTEM TO BE DESIGNED WITH A 'FIRST FLUSH' DIVERSION TO REMOVE ROOF CONTAMINANTS.
13. REUSE WATER TO BE DIRECTED TO THE FOLLOWING:
 - A. MINIMUM 1 OUTDOOR GARDEN TAP
 - B. ALL CISTERNS (TOILETS)
 - C. COLD WATER SERVICE TO THE CLOTHES WASHER.

DRAINAGE REQUIREMENTS

- D1. ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH CURRENT EDITIONS OF AS2870, AS/NZS 2032 INTALL OF PVC PIPES AND AS/NZS 3500 PLUMBING & DRAINAGE.
- D2. PLUMBING TRENCHES SHALL BE SLOPED AWAY FROM THE HOUSE AND SHALL BE BACKFILLED WITH CLAY IN THE OP 300mm WITHIN 1.5m OF THE HOUSE. THE CLAY USED FOR BACKFILLING SHALL BE COMPACTED. WHERE PIPES PASS UNDER THE FOOTING SYSTEM, THE TRENCH SHALL BE BACKFILLED WITH CLAY OR CONCRETE TO RESTRICT THE INGRESS OF WATER BENEATH THE FOOTING SYSTEM.
- D3. DRAINAGE SHALL BE CONSTRUCTED TO AVOID WATER PONDING AGAINST OR NEAR THE FOOTING.
- D4. ECAVATION NEAR THE EDGE OF THE FOOTING SYSTEM SHALL BE BACKFILLED IN SUCH A WAY AS TO PREVENT ACCESS OF WATER TO THE FOUNDATION.
- D5. WATER RUN-OFF SHALL BE COLLECTED AND CHANNELLED AWAY FROM THE HOUSE DURING CONSTRUCTION.
- D6. PENETRATIONS OF THE EDGE BEMS AND FOOTING BEAMS ARE TO BE AVOIDED, BUT WHERE NECESSARY SHALL BE SLEEVED TO ALLOW FOR MOVEMENT.
- D7. CONNECTION OF STORMWATER DRAINS AND WASTE DRAINS SHALL BE INCLUDED FLEXIBLE CONNECTIONS.



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STORMWATER MANAGEMENT - SECTIONS AND DETAILS SHEET 1

SCALE: N.T.S. U.N.O.

DESIGN BY:	DRAWN BY:	CHECK BY:	PAGE:
R.H.	I.R.	R.H.	2 OF 2

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