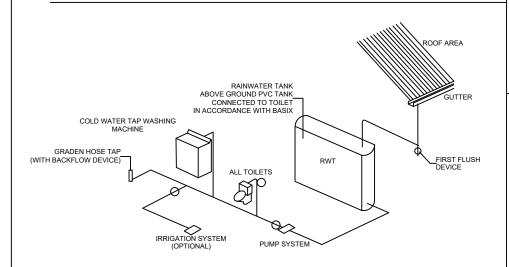


# PIT SECTION (Dimension & Level refer to plan)



RAINWATER TANK DETAIL SCHEMATIC (If Applicable)

- 1. STORM WATER LINES FROM ROOF AREAS ONLY TO RAINWATER TANK.
- 2. ALL EXPOSED PIPE WORK TO BE PAINTED TO WITHSTAND EXTERNAL ELEMENTS.
- 3. FIRST FLUSH WATER DIVERTER AT TANK OR AT INDIVIDUAL DOWN PIPES TO BE INSTALLED.
- 4. AN APPROVED TOP UP SYSTEM TO BE USED VIA MAINS
- 5. PUMPS TO MANUFACTURES SPECIFICATIONS
- 6. RAIN TANK TO BE MANUFACTURES SPECIFICATIONS AND TO COMPLY WITH ALL SYDNEY WATER GUIDELINES.
- 7. RAINWATER TANKS WITH PUMPS TO SUPPLY GARDEN TAPS AND INTERNAL RE-USE AS PER BASIX ASSESSMENT
- 8. PROVIDE DOWN PIPE GUARDS TO ALL DOWN PIPES.
- 9. PROVIDE ONE CLEANING EYE TO ALL CHARGED PIPELINES FOR MAINTENANCE AS PER DETAIL

### DRAINAGE NOTES

- ALL STORM WATER DRAINAGE TO BE IN ACCORDANCE WITH AS3500.3 AND COUNCIL REQUIREMENTS DOWN PIPE LOCATIONS ARE INDICATIVE ONLY. FINAL LOCATION TO BE DETERMINED BY PLUMBER.
- ANY DISCREPANCY OR CONFUSION ON THESE DRAWINGS MUST BE NOTIFIED TO THE ENGINEER BEFORE PROCEEDING FURTHER ON THE WORKS.
- CONTRACTOR SHALL VERIFY THE VALUE OF THE BM PRIOR TO COMMENCEMENT OF WOK
- MAKE SMOOTH JUNCTION WITH EXISTING WORKS
- ALL EXISTING SERVICES IN THE ROAD RESERVE SHALL BE IDENTIFIED PRIOR TO CONSTRUCTION AND RELOCATED AS
- ALL CONTROL MEASURES USED SHALL BE IN ACCORDANCE WITH HE DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT PUBLICATION DATED 1992 TITLED 'URBAN EROSION AND SEDIMENT CONTROL
- ALL GRATED DRAINAGE PITS ARE TO BE BENCHED OR STREAMLINED, UNLESS NOTES OTHERWISE.
- ALL DRAINAGE PIPES ARE TO BE UPVC GRADE, UNLESS NOTED OTHERWISE
- THE MINIMUM COVER OVER ALL DRAINAGE PIPES TO BE 150MM OR 300MM UNDER A DRIVEWAY
- 11. ALL DRAINAGE PIPES ARE TO HAVE MINIMUM PIPE GRADIENT OF 1%

  12. ALL DRAINAGE PITS ARE TO BE INSTALLED WITH A CHILD PROOF SAFETY LATCH ON THE ACCESS GRATE.
- ALL EDGE BEAM PENETRATIONS SHALL BE SLEEVED TO ALLOW FOR RELATIVE MOVEMENT CLOSED-CELL POLYETHYLENE LAGGING SHALL BE USED AROUND ALL PIPE PENETRATIONS THROUGH FOOTINGS OR WALLS
- CONNECTION OF STORM WATER DRAINS SHALL INCLUDE FLEXIBLE CONNECTIONS
- 15. ALL GUTTERS ARE TO BE INSTALLED WITH LEAF SCREENERS
- 16. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE SET IN PLACE PRIOR TO ANY WORKS COMMENCING
- THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL SEDIMENT AND EROSION CONTROL DEVICES AND REMOVE ACCUMULATED SILT FROM SUCH DEVICES BEFORE NO MORE THAN 60% OF THEIR CAPACITY IS LOST. NO SILT SHALL BE PLACED OUTSIDE THE LIMIT OF WORKS
- 18. ALL DISTURBED AREAS SHALL BE STABILIZED BY MEANS OF LANDSCAPING, TURF OR RE-VEGETATED AS SOON AS **POSSIBLE**
- 19. HYDRAULIC DRAWINGS SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL, STRUCTURAL,
- MECHANICAL, ELECTRICAL, CIVIL WORKS DRAWINGS AND SPECIFICATIONS 20. THE FOLLOWING POINTS SHALL BE HOLD POINTS DURING CONSTRUCTION:
  - TRENCH AND BEDDING PRIOR TO LAYING OF PIPES
  - PIPES, PRIOR TO BACKFILLING PITS, PRIOR TO BACKFILLING
  - FINAL INSPECTION

### RAINWATER RE-USE SYSTEM NOTES

- 1. RAINWATER SUPPLY PLUMBING TO BE CONNECTED AS REQUIRED BY THE BASIX CERTIFICATE.
- 2. TOWN WATER CONNECTION TO RAINWATER TANKS TO BE THE SATISFACTION OF SYDNEY WATER. THIS MAY REQUIRE
- a. PERMANENT AIR GAP
- b. A BACK FLOW PREVENTION DEVICE c. NO DIRECT CONNECTION BETWEEN TOWN WATER SUPPLY AND THE RAINWATER SUPPLY.
- d. AN APPROVED STOP VALVE AND/OR PRESSURE LIMITING VALVE AT THE RAINWATER TANKS.
- 3. PROVIDE AT LEAST ONE EXTERNAL HOSE COCK ON THE TOWN WATER SUPPLY FOR FIRE FIGHTING PURPOSES.
- 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.
- 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 CARRIED OUT BY A LICENSED ELECTRICIAN.
- 7. ONLY ROOF RUN-OFF IS TO BE DIRECTED TO THE RAINWATER TANKS. SURFACE WATER INLETS ARE NOT TO BE
- CONNECTED. 8. PIPE MATERIALS FOR RAINWATER SUPPLY PLUMBING ARE TO BE APPROVED MATERIALS TO AS 3500 PART1, 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 AS 2648) OR FOR ABOVE GROUND PIPES BY USING
- ADHESIVE PIPE MARKERS (MADE IN ACCORDANCE WITH AS1345). 9. EVERY RAINWATER SUPPLY OUTLET POINT AND RAINWATER TANK ARE TO BE LABELED "RAINWATER "ON A METALLIC SIGN IN ACCORDANCE WITH AS1319.
- 10. ALL INLETS AND OUTLETS TO THE RAINWATER TANK ARE TO HAVE SUITABLE MEASURES PROVIDED TO PREVENT MOSQUITO AND VERMIN ENTRY

### **OSD & RAINWATER TANK NOTES**

- 1. RAIN TANK TO BE TO MANUFACTURES SPECIFICATIONS AND TO COMPLY WITH ALL SYDNEY WATER GUIDELINES.
- 2. RAINWATER TANKS WITH PUMPS TO SUPPLY GARDEN TAPS AND INTERNAL RE-USE AS PER BASIX ASSESSMENT.
- 3. PROVIDE DOWNPIPE GUARDS TO ALL DOWN PIPES.
- 4. PROVIDE ONE CLEANING EYE TO ALL CHARGED PIPELINES FROM MAINTAINS AS PER DETAIL.

PITS UP TO 600 DEEP TO BE 450 X 450 U.N.O PITS UP TO 900 DEEP TO BE 600 X 600 U.N.O PITS UP TO 1200 DEEP TO BE 900 COVER AND SUMP GRATES SHALL COMPLY WITH AS 2733 &AS 4198 DOWNPIPES TO BE 100 DIA IF CHARGED AND 100 X 50 BOX IF AS 3500 3 2 4 11 & AS 4198

GUTTER OUTLETS SHALL BE FITTED VERTICALLY TO THE SOLE OF THE EAVE GUTTER.

RAINHEADS TO HAVE AN OVERFLOW DUCK OR WEIR 50MM BELOW THEIR CREST.

SUBSOIL DRAINS TO BE IN ACCORDANCE WITH AS2439.1 CLASS 100 TO BE USED ONLY IN SINGLE DWELLINGS. ALL PIPE JOINTS TO BE IN ACCORDANCE WITH AS 3500. 3.2.2.7

ALL VALVES TO BE IN ACCORDANCE WITH AS3500.3.2

EXPANSION JOINTS SHALL COMPLY WITH AS3500.3.2: TABLE 4.1 PVC JOINTS AND ACCESSORIES TO COMPLY WITH AS2179.2 & AS4198.

ALL TRENCHES TO BE IN ACCORDANCE WITH AS3500.3.2:7.2.8-14.

EMBEDMENT MATERIAL AND TRENCH FILL TO ALL PIPS & SUBSOIL, DRAINS TO BE IN ACCORDANCE WITH AS3500.3.2:7. IT IS THE BUILDER'S RESPONSIBILITY TO CONFIRM THAT LEVELS AND SURVEYS ARE IN ACCORDANCE WITH LEVELS ON SITE & ARE APPROVED BY COUNCIL & ARCHITECT BEFORE COMMENCING WORK

NO SEWER VENTS, GULLY PITS OR SIMILAR TO BE LOCATED BELOW THE MAXIMUM WATER SURFACE LEVEL IN DETENTION BASIN

ALL FENCES WHICH MAY DIVERT FLOW FROM PROPOSED DIRECTION TO BE RAISED 100MM. ALL DRAINAGE AREAS TO HAVE OVERFLOW MECHANISM IN PLACE IN THE EVENT OF BLOCKAGE WITH MIN 200 X 100 OVERFLOW SECTION THROUGH PLANTERS, PARAPETS ETC

ALL EXTERIOR FINISHED GROUND LEVELS ARE TO BE SLOPING AWAY FROM PERIMETER WALLS IN ALL CASES. ALL FINISHED FLOOR LEVELS ARE NOMINATED BY THE ARCHITECT

- RAINWATER TANKS ARE TO BE SIZED AND CONNECTED TO SERVICES AS SPECIFIED IN THE BASIX REPORT AND TO COUNCILS REQUIREMENT
- ALL RAINWATER TANK SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH MANUFACTURES AND
- ALL PIPE WORK IS TO BE UNDERTAKEN BY LICENSED PLUMBER AND A FIRST FLUSH DEVICE MUST BE FITTED WHERE APPROPRIATE
- THE TANK SHOULD BE PRE-FABRICATED AND MUST BE STRUCTURALLY SOUND AND DESIGNED FOR HYDROSTATIC AND **BUOYANCIES FORCES WHERE APPROPRIATE.**
- ANY INLET MUST BE SCREENED TO PREVENT ENTRY OF FOREIGN MATTER AND MOSQUITO BREEDING, AND TANKS AND ASSOCIATED STRUCTURES ARE TO BE CHILDPROOFED.
- TANKS MUST NOT BE INSTALLED OVER OR IMMEDIATELY ADJACENT TO A WATER OR SEWER MAIN OR OVER ANY EASEMENTS, STRUCTURES, OR FITTINGS USED IN THEIR MAINTENANCE WITHOUT MEETING THE REQUIREMENTS AND APPROVAL OF RELEVANT PUBLIC AUTHORITY.
- MAINTENANCE OF THE TANK, ASSOCIATED DEVICES (E.G. FIRST FLUSH DEVICES AND INLET SCREEN), AND THE WATER
- SUPPLY AREA (SUCH AS ROOF GUTTERS) SHOULD BE IN ACCORDANCE WITH THE MANUFACTURES INSTRUCTIONS.

   THE RAINWATER TANK AND SERVICES, PIPELINES, TANK OUTLET. VALVES ETC. SHALL BE CLEARLY, PERMANENTLY AND APPROPRIATELY MARKED AND LABELED.
- ANY APPROPRIATE BACK FLOW PREVENTION MEASURE ARE TO BE INSTALLED AND MAINTAINED TO PREVENT CONTAMINATIONS OF WATER SUPPLY TO SYDNEY WATER REQUIREMENTS.

  ANY PUMP AND ELECTRICAL CONNECTIONS ARE INSTALLED BY LICENSED ELECTRICIAN IN ACCORDANCE WITH
- MANUFACTURES SPECIFICATIONS. AND SATISFY STATUTORY NOISE LEVELS.
- ADEQUATE SEPARATION TO PARALLEL POTABLE WATER SUPPLY LINES IS TO BE ADHERED TO.
- RAINWATER IS ONLY TO BE COLLECTED FROM ROOFS AND ASSOCIATED SURFACES CONSTRUCTED FROM APPROPRIATE MATERIALS FROM 'NON' ASBESTOS ROOFS.
- WHERE STORM WATER LINES ARE CHARGED INTO THE RAINWATER TANK PROVIDE CLEANING EYE TO BASE OF DOWN PIPES AND ENSURE DOWN PIPES ARE WATERTIGHT SEALED TO GUTTER LEVEL.

Double Storey House

PROJECT:

CLIENT:

ust not be scaled. he scaled in the scale of the scale of

CITY COUNCIL: Canterbury - Bankstown ZONING: R2

D.P: 18432

PROJECT ADDRESS:

311-313 Stacey street, Bankstown NSW 2200

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- 2. Consistency between similar materials to be maintained. Premium Design and Engineering to be notified of any discrepencies, dimensional inconsistencies or the need for clarification prior to manufacture.

3- Premium Design and Engineering to approve all detailed drawings/setting out prior to construction. 4-Contractors to confirm stability and leasability of all units/components prior to manufacture. 5- All drawing measurements to be verified on site - do not scale from documents. 6- Refer to, and read this document in conjunction with Specification or any other plans such as architectural, hydraulic and electrical (if

DATE COMMENTS

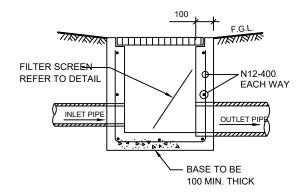
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38 RESTWELL St BANKSTOWN 2200 TEL: 02-9709 3807

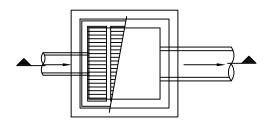
ISSUE DATE: 05/05/2025 SCALE: NTS

A. ASHOSH M. HAMMOUD DWG.No.

TITLE DRAWING: **GENERAL NOTES 1** 



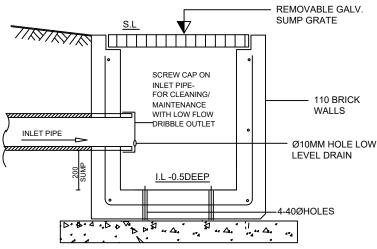
# TYPICAL PIT



LIGHT DUTY GALVANISED GRATE & FRAME.

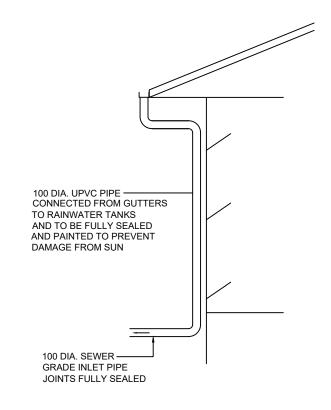
### TYPICAL PIT DETAIL

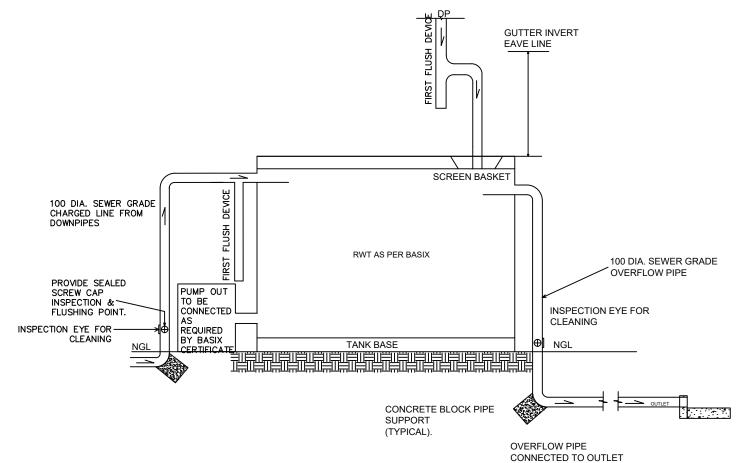
BRICKWORK/BLOCKWORK WALLS OR PRECAST CONCRETE PITS MAY BE SUBSTITUTED SUBJECT TO APPROVAL



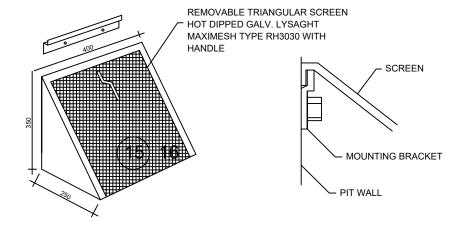
200mm DEEP BED OF 10mm Ø AGGREGATE WRAPPED IN GEOTEXTILE FABRIC

### MAINTENANCE PIT





TYPICAL CHARGED **DOWNPIPE** 



### MULTI PURPOSE FILTER SCREEN

TITLE DRAWING:

PRODUCT CODE: MMMPS (MASCOT ENGINEERING) FITTED TO CONTROL PIT PRIOR TO OUTLET

## TYPICAL TANK DETAIL

- TANK WATER TAPS SHALL BE MARKED "RAINWATER NOT TO BE USED FOR HUMAN CONSUMPTION".
- RAINWATER TANK SHALL BE CONNECTED TO MAIN WATER SUPPLY AS BACKUP.
- THE PUMPS ARE TO BE INSTALLED IN ACCORDANCE WITH COUNCIL POLICY
- TANK TO BE CONNECTED TO ALL TOILETS FOR TOILET FLUSHING, TO THE COLD WATER TAPS THAT SUPPLIES EACH WASHING MACHINE FOR CLOTHES WASHING & OUT DOOR TAPS FOR IRRIGATION USE.
- RAINWATER TANKS TO BE CLEANED OUT EVERY 6 MONTHS.
   WATER TANK AND ASSOCIATED STRUCTURE TO BE THE SAME COLOUR, OR A COLOUR COMPLEMENTARY TO THE DWELLING.
- TOP OF TANK TO BE BELOW TOP OF NEAREST FENCE, 0R 2.1 METRES, WHICH EVER IS LESSER.
- THE WATER TANK SHOULD BE LOCATED AT LEAST 900mm FROM ANY PROPERTY BOUNDARY. - PLUMBING FROM THE WATER TANK IS TO BE KEPT SEPARATE FROM THE RETICULATED WATER SUPPLY
- TANK TO BE BUILT ON SELF SUPPORTING BASE.
   PROVIDE BACK-FLOW PREVENTION DEVICE AT MAINS WATER METER.
- ROOF DRAINING TO TANK MUST NOT CONTAIN LEAD, TAR BASED PAINTS AND ASBESTOS.
- WATER TO BE DRAWN FROM ANAEROBIC ZONE OF TANK

The contractor and / or subcontractors shall be responsible for all levels and dimensions prior to commending on site or off site constructions and / or fabrications. These drawing must not be scaled.

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2. Consistency between similar materials to be maintained. Premium Design and Engineering to be notified of any discrepencies, dimensional inconsistencies or the need for clarification prior to manufacture

**GENERAL NOTES 2** 

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### ENGINEERING DESIGN PREMIUM

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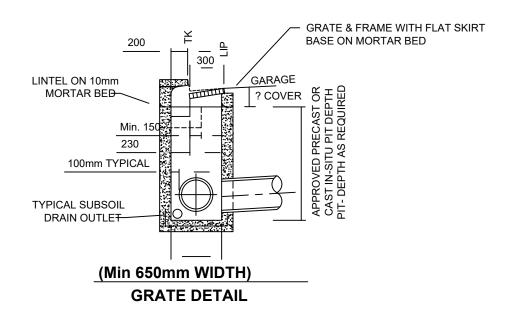


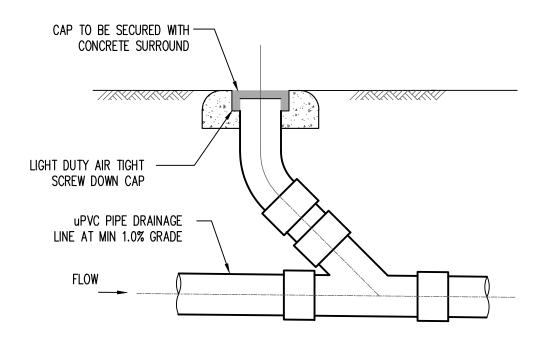
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ISSUE DATE: 05/05/2025

SCALE: NTS

Designed&Drawn by: A ASHOSH M. HAMMOUD DWG.No. A. ASHOSH



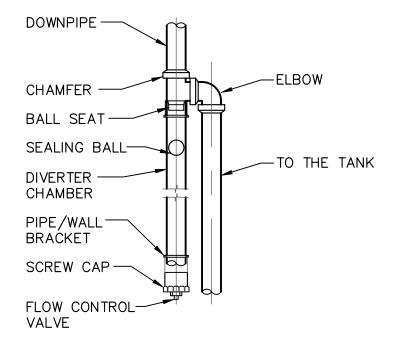






# TYPICAL MARKER PLATE FOR RAINWATER TANK

LEGEND: BACKGROUND IS YELLOW TEXT IS WHITE ON BLACK BACKGROUND





NOTES AND INSTRUCTIONS:

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PROJECT ADDRESS:

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DATE	COMMENTS

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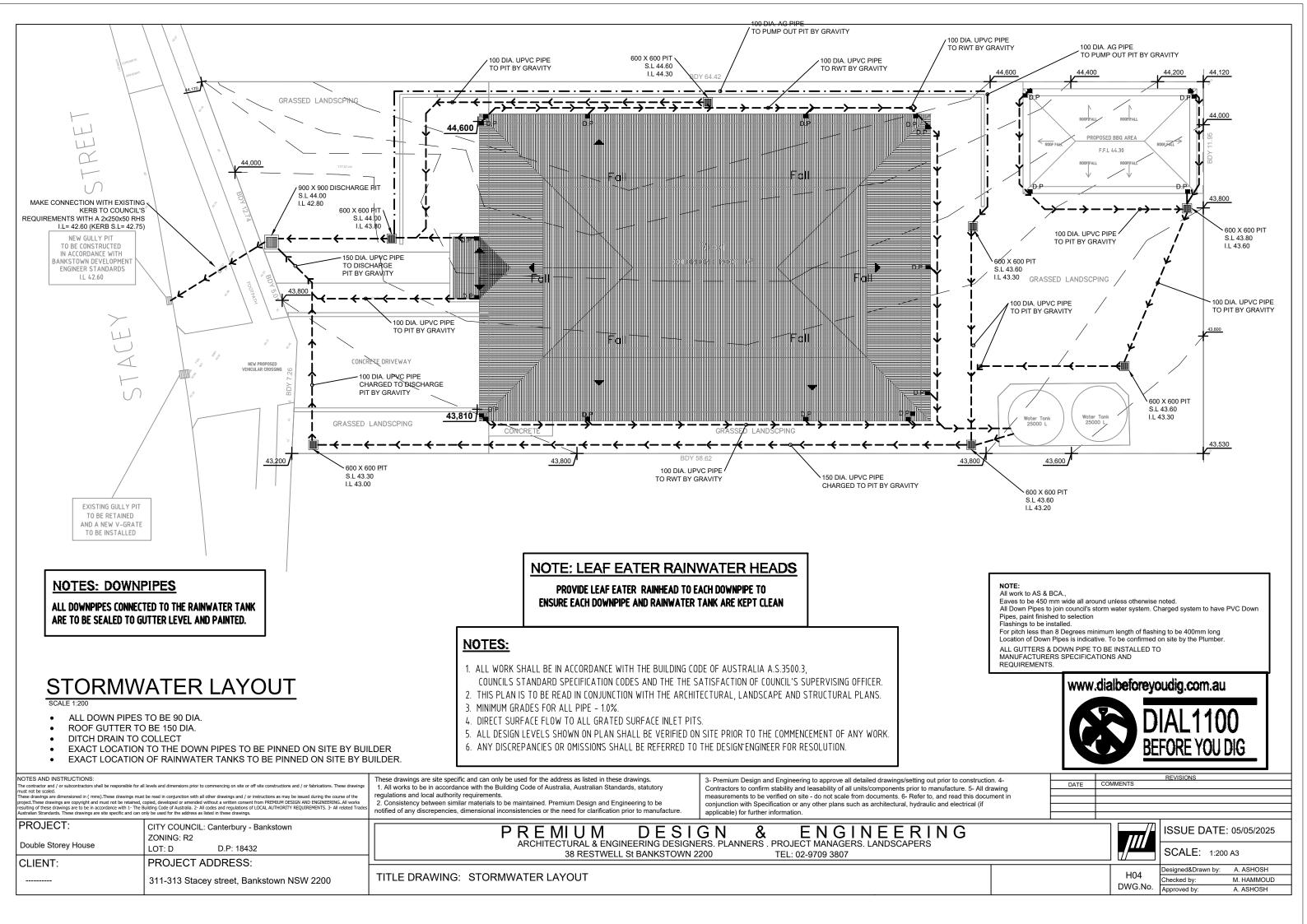
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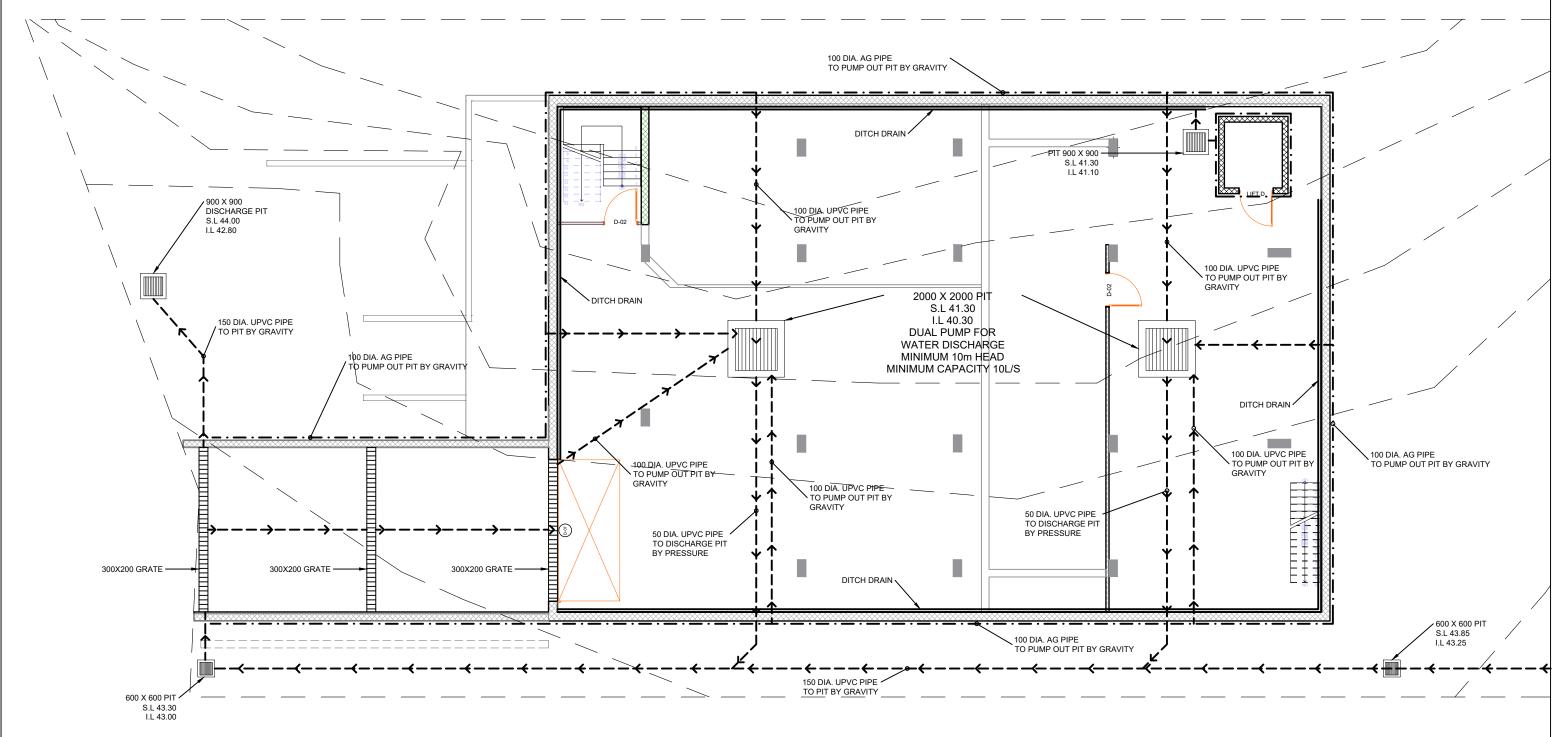
ISSUE DATE: 05/05/2025

SCALE: NTS

Designed&Drawn by: A. ASHOSH M. HAMMOUD DWG.No. Approved by:

TITLE DRAWING: GENERAL NOTES 3





# **BASEMENT STORMWATER LAYOUT**

- ALL DOWN PIPES TO BE 90 DIA.
- ROOF GUTTER TO BE 150 DIA.
- DITCH DRAIN TO COLLECT
- EXACT LOCATION TO THE DOWN PIPES TO BE PINNED ON SITE BY BUILDER
- EXACT LOCATION OF RAINWATER TANKS TO BE PINNED ON SITE BY BUILDER.

NOTES AND INSTRUCTIONS:

must not be scaled.

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TITLE DRAWING: BASEMENT STORMWATER LAYOUT

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DATE	COMMENTS

3		,
PROJECT:		CITY COUNCIL: Canterbury - Bankstown
١.		ZONING: R2
	Double Storey House	LOT: D D.P: 18432
CLIENT:		PROJECT ADDRESS:
		044 040 01
	<del></del>	311-313 Stacey street, Bankstown NSW 2200

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ISSUE DATE: 05/05/2025

A. ASHOSH

H05 M. HAMMOUD DWG.No. A. ASHOSH