PROPOSED DEMOLITION OF EXISTING STRUCTURES AND REMOVAL OF 4 EXISTING TREES. PROPOSED BATTLE AXE SUBDIVISION INTO 2 LOTS AND CONSTRUCTION OF AN ATTACHED DUAL OCCUPANCY WITH SWIMMING POOLS ON FRONT LOT AT 111 SIMMAT AVE, CONDELL PARK

GENERAL

- These drawings shall be read in conjunction with all architectural and other consultants drawings and specifications and with such other written instructions and sketches as may be issued during the course of the Contract. Any discrepancies shall be referred to the Superintendent before proceeding with any related works. Construction from these drawings, and their associated consultant's drawings is not to commence until approved by the Local Authorities.

- During construction the structure shall be maintained in a stable condition and no part shall be overstressed Temporary bracing shall be provided by the builder/isubcontractor to keep the works and excavations stable at all times.
- G7 Any substitution of materials shall be approved by the Engineer and included in any tender.
- G8 All services, or conduits for servicing shall be installed prior to commencement of pavement construction
- The structural components detailed on these drawings have been designed in accordance with the relevant Standards Australia codes and Local Government Ordinances for the following loadings. Refer to the Architectural drawings for proposed floor usage. Refer to drawings for in le loads and superimposed dead

DRAINAGE NOTES

- All pits within the property are to be fitted with "weldlok" or approved equivalent grates: Light duty for landscaped areas Heavy duty where subjected to vehicular traffic
- All pits within the property to be constructed as one of the following:

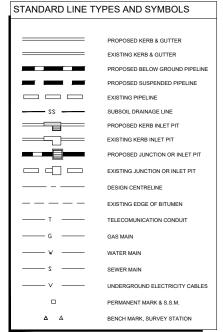
 1) Precast stormwater pits

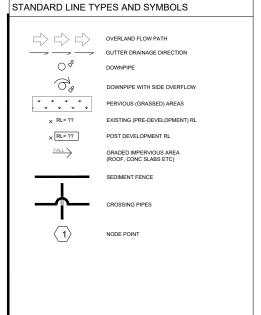
- D7 All pits in roadways are to be fitted with heavy duty grates with locking bolts and continuous hinge
- D8 Provide step irons to stormwater pits greater than 1200 in depth.
- D10 Where a high early discharge (hed) pit is provided all pipes are to be connected to the hed pit, uno. D11 Down pipes shall be a minimum of dn100 sw grade upvc or 100 x100 colorbond/zincalume steel, uno
- D13 Eaves gutters shall be a minimum of 125 wide x 100 deep (or of equivalent area) colorbond or zincalume steel upo
- D14 Subsoil drainage shall be provided to all retaining walls & embankments, with the lines feeding into the

EROSION AND SEDIMENT CONTROL NOTES

- These notes are to be read in conjunction with erosion and sediment control details in this drawing set.
- The contractor shall implement all soil erosion and sediment control measures as necessary and to the satisfaction of the relevant local authority prior to the commencement of and during construction. No disturbance to the site shall be permitted other than in the immediate area of the works and no material shall be removed from the site without the relevant local authority approval. All erosion and sediment control devices to be installed and maintained in accordance with standards outlined in nsw department of housing's "managing uthan stormwater soils and constructions".
- Place straw bales length wise in a row as parallel as possible to the site contours, uno. Bale ends to be tightly butted. Bales are to be placed so that straws are parallel to the row. Bales are to be placed 1.5m to 2m downslope from the toe of the disturbed batter, uno.
- Council approved filter fabric to be entrenched 150mm deep upslope towards disturbed surface. Fabric to be a minimum SF2000 or better. Fix fabric to posts with wire lies or as recomended with manufacturer's specifications. Fabric joints to have a minimum of 150mm overlap. Wire to be strung between posts with filter fabric overlap to prevent sagging.

- pits constructed and protected with silt barrier
- E6 Provide and maintain silt traps around all surface inlet pits until catchment is revegetated or paved.
- The contractor shall implement dust control by regularly wetting down (but not saturating) disturbed area
- Topsoil shall be stripped and stockpiled outside hazard areas such as drainage lines. This topsoil shall be respread later on areas to be revegetated and stabilised only, (i.e. all footpaths, batters, site regarding areas basins and cathorfains). Topsoil shall not be respread on any other areas unless specifically instructed by the superintendent. If they are to remain for longer than one month stockpiles shall be protected from ercsion by covering them with a mulch and hydroseeding and, if necessary, by locating banks or drains downstream of a stockpile to retard slit laden runoff.





LEGE	ND		
AHD	Australian height datum	SS	Stainless steel
AG	Ag-pipe (Sub soil drainage)	SU	Box gutter sump
ARI	Average recurrence interval	TW	Top of wall
BG	Box Gutter	TWL	Top water level
BWL	Bottom water level	U/S	Underside of slab
CL	Cover level	VG	Vally gutter
CO	Clean out inspection opening	UNO	Unless noted otherwise
DCP	Discharge control pit		
DP	Down pipe		
DRP	Dropper pipe		
EBG	Existing box gutter		
EDP	Existing down pipe		
EEG	Existing eaves gutter		
EG	Eaves gutter		
FRC	Fiber reinforced concrete		
FW	Floor waste		
GD	Grated drain		
GSIP	Grated surface inlet pit		
HED	High early discharge		
HP	High point of gutter		
IL	Invert level		
IO O/F	Inspection opening		
	010111011		
OSD	On-site detention		
PSD P1	Permissible site discharge		
P1 RCP	Pipe 1 Reinforced concrete pipe		
RHS	Rectangular hollow section		
RI	Reduced level		
RR.I	Rubber ring joint		
RRT	Rubber ring joint Rainwater re-use tank		
RWH	Rain water head		
RWO	Rain water outlet		
SLAP	Sealed lid access pit		
SP	Spreader pipe		
SPR	Spreader		

RECOMMENDED MAINTENANCE SCHEDULE				
DISCHARGE CONTROL PIT (DCP)	FREQUENCY	RESPONSIBILITY	PROCEDURE	
Inspect flap valve and remove any blockage.	Six monthly	Owner	Remove grate. Ensure flap valve moves freely and remove any blockages or debris.	
Inspect screen and clean.	Six monthly	Owner	Revove grate and screen if required and clean it.	
Inspect & remove any blockage of orifice.	Six monthly	Owner	Remove grate & screen to inspect orifice. see plan for location of dcp.	
Inspect dcp sump & remove any sediment-sludge.	Six monthly	Owner	Remove grate and screen. Remove sediment/sludge build-up and check orifice and flap valve clear.	
Inspect grate for damage or blockage.	Six monthly	Owner	Check both sides of grate for corrosion, (especially corners and welds) damage or blockage.	
Inspect return pipe from storage and return any blockage.	Six monthly	Owner	Remove grate and screen. ventilate underground storage if present. open flap valve and remove any blockages in return line. Check for sludge/debris on upstream side of return line.	
Inspect outlet pipe and remove any blockage.	Six monthly	Maintenance Contractor	Remove grate and screen. ventilate underground storage if present. Check orifice and remove any blockages in outlet pipe. Flush outlet pipe to confirm it drains freely. Check for sludge/debris on upstream side of return line.	
Check fixing of step irons is secure.	Six monthly	Maintenance Contractor	Remove grate and ensure fixings secure prior to placing weight on step iron.	
Inspect overflow weir & remove any blockage.	Six monthly	Maintenance Contractor	Remove grate and open cover to ventilate underground storage if present. ensure weir clear of blockages.	
Empty basket at overflow weir (if present).	Six monthly	Maintenance Contractor	Remove grate and ventilate underground storage chamber if present. Empty basket, check fixings secure and not corroded.	
Check attachment of orifice plate to wall of pit (gaps less than 5 mm).	Annually	Maintenance Contractor	Remove grate and screen. ensure plate mounted securely, tighten fixings if required. seal gaps as required.	
Check attachment of screen to wall of pit.	Annually	Maintenance Contractor	Remove grate and screen. ensure screen fixings secure. repair as required.	
Check screen for corrosion.	Annually	Maintenance Contractor	Remove grate and examine screen for rust or corrosion, especially at corners or welds.	
Check attachment of flap valve to wall of .	Annually	Maintenance Contractor	Remove grate. Ensure fixings of valve are secure.	
Check flap valve seals against wall of pit.	Annually	Maintenance Contractor	Remove grate. fill pit with water and check that flap seals against side of pit with minimal leakage.	
Check any hinges of flap valve move freely.	Annually	Maintenance Contractor	Remove grate. Test valve hinge by moving flap to full extent.	
Inspect dcp walls (internal and external, if appropriate) for cracks or spalling.	Annually	Maintenance Contractor	Remove grate to inspect internal walls. Repair as required. Clear vegetation from external walls if necessary and repair as required.	
Check step irons for corrosion.	Annually	Maintenance Contractor	Remove grate. Examine step irons and repair any corrosion or damage.	
Check orifice diameter correct and retains sharp edge.	Five yearly	Maintenance Contractor	Compare diameter to design (see work-as- executed) and ensure edge is not pitted or damaged.	
STORAGE		•		
Inspect & remove any blockage of orifice.	Six monthly	Owner	Remove grate and screen. remove sediment/sludge build-up.	
Check orifice diameter correct and retains sharp edge.	Six monthly	Owner	Remove blockages from grate and check if pit blocked.	
Inspect screen and clean.	Six monthly	Owner	Remove debris and floatable material likely to be carried to grates.	
Check attachment of orifice plate to wall of pit (gaps less than 5 mm).	Annually	Maintenance	Remove grate to inspect internal walls, repair as required, clear vegetation from external walls if necessary and repair as required.	
Check attachment of screen to wall of pit.	Five yearly	Maintenance Contractor	Compare actual storage available with work-as executed plans. If volume loss is greater than 5%, arrange for reconstruction to replace the volume lost. Council to be notified of the proposal.	
Check attachment of screen to wall of pit.	Five yearly	Maintenance Contractor	Check along drainage lines and at pits for subsidence likely to indicate leakages.	



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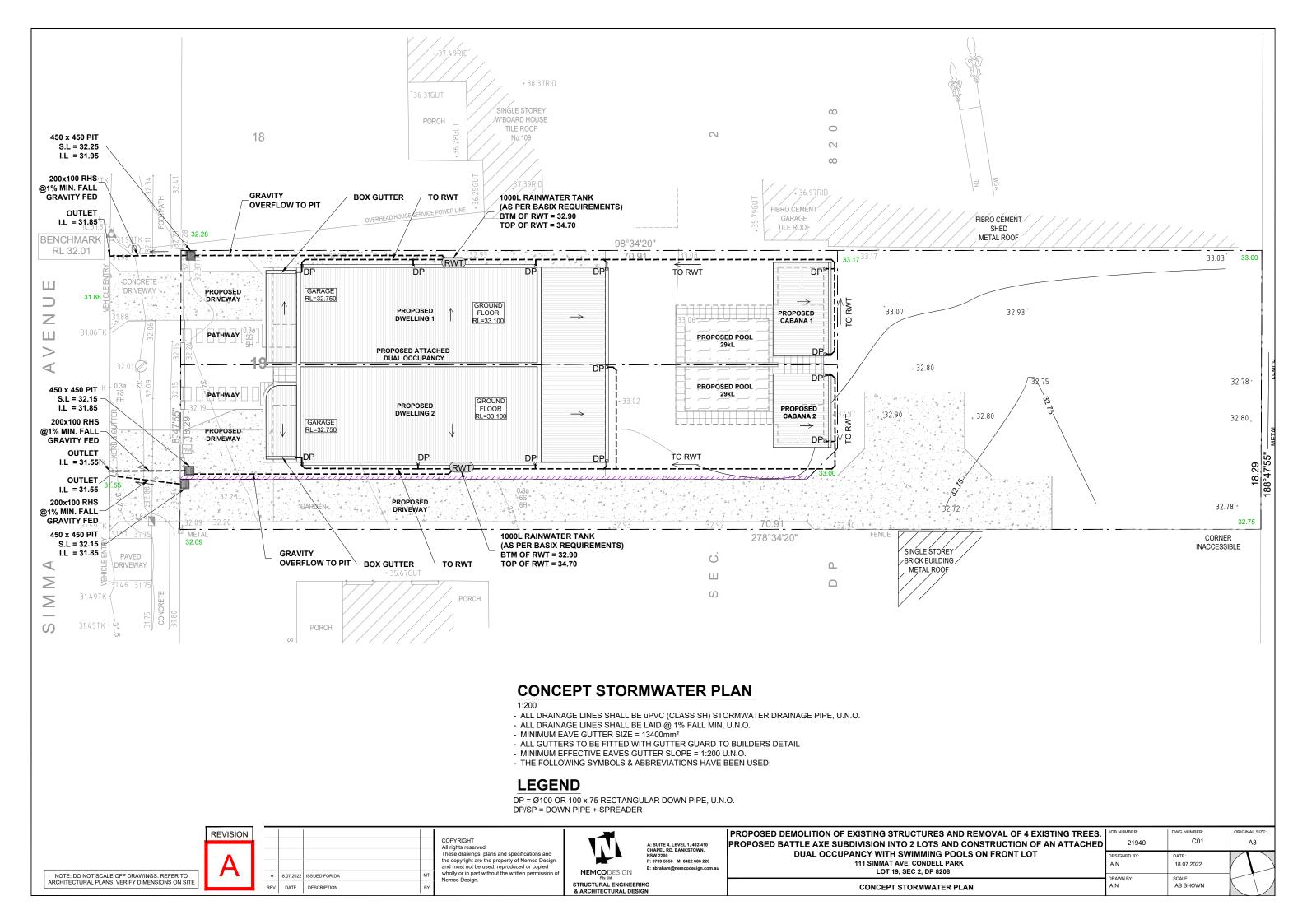
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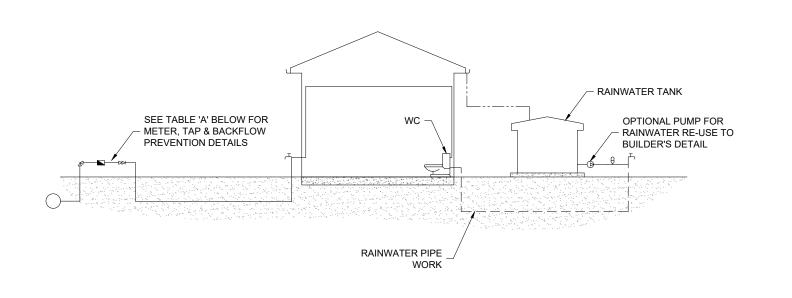
STRUCTURAL ENGINEERING
& ARCHITECTURAL DESIGN

A: SUITE 4, LEVEL 1, 402-410 CHAPEL RD, BANKSTOWN, NSW 2200 P: 9709 5556 M: 0422 606 228

DUAL OCCUPANCY WITH SWIMMING POOLS ON FRONT LOT 111 SIMMAT AVE, CONDELL PARK LOT 19, SEC 2, DP 8208 STORMWATER - GENERAL NOTES

PROPOSED DEMOLITION OF EXISTING STRUCTURES AND REMOVAL OF 4 EXISTING TREES.	JOB NUMBER:	DWG NUMBER:	ORIGINAL SIZE:
PROPOSED BATTLE AXE SUBDIVISION INTO 2 LOTS AND CONSTRUCTION OF AN ATTACHED	21940	C00	A3
DUAL OCCUPANCY WITH SWIMMING POOLS ON FRONT LOT	DESIGNED BY:	DATE:	
111 SIMMAT AVE, CONDELL PARK LOT 19. SEC 2. DP 8208	A.N	18.07.2022	$\langle \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
LOT 19, SEC 2, DF 6200	DRAWN BY:	SCALE:	T ,
STORMWATER - GENERAL NOTES	A.N	AS SHOWN	$\setminus \setminus /$
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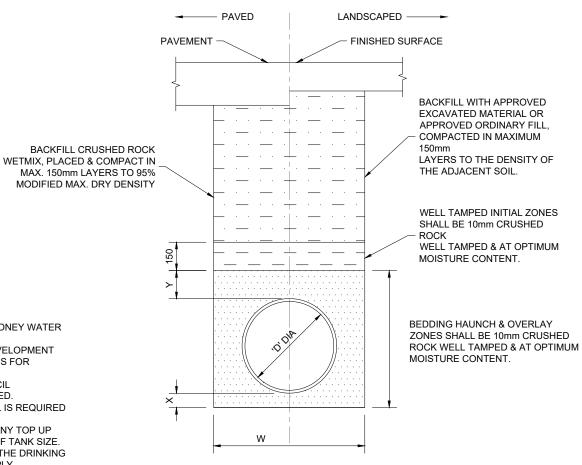


TABLE A			
RAINWATER	METER	TYPE	TYPE OF
TANK LOCATION	I SIZE (mm)	OF TAP	BACKFLOW PREVENTION
ABOVE GROUND	20	BALL VALVE	DUAL CHECK VALVE
			(COMBINED WITH METER)
	25	BALL VALVE	DUAL CHECK VALVE
	≥ 32	BALL VALVE	DUAL CHECK VALVE
BELOW GROUND	20	BALL VALVE	TESTABLE DOUBLE CHECK VALVE
	25	BALL VALVE	TESTABLE DOUBLE CHECK VALVE
	≥ 32	BALL VALVE	TESTABLE DOUBLE CHECK VALVE

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE

LEGEND

- PRESSURE VESSEL
- METER
- BALL VALVE RIGHT ANGLE TYPE
- DUAL CHECK VALVE
- PUMP
- **GARDEN TAP**
- DRINKING WATER SUPPLY PIPES
- RAINWATER SUPPLY PIPES

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--- DOWN PIPES

- **DIAGRAM NOTES:**
- 1 DRAWING TO BE READ IN CONJUNCTION WITH SYDNEY WATER PLUMBING REQUIREMENTS
- 2 FOR TANKS 10,000 LITRES OR LESS, COUNCIL DEVELOPMENT CONSENT IS NOT REQUIRED, IF THEIR CONDITIONS FOR INSTALLATION ARE FOLLOWED.
- 3 FOR TANKS GREATER THAN 10,000 LITRES COUNCIL DEVELOPMENT CONSENT IS GENERALLY REQUIRED.
- 4 FOR TANKS MORE THAN 10,000 LITRES APPROVAL IS REQUIRED FOR BUILDING OVER SEWERS.
- SYDNEY WATER'S APPROVAL IS REQUIRED FOR ANY TOP UP FROM DRINKING WATER SUPPLY, REGARDLESS OF TANK SIZE. NO DIRECT CONNECTION IS ALLOWED BETWEEN THE DRINKING WATER SUPPLY AND THE RAINWATER TANK SUPPLY.
- RAINWATER PIPEWORK IS SHOWN ON THE DIAGRAM AS SUPPLYING INTERNAL AND EXTERNAL RAINWATER USES. CUSTOMERS MAY WANT ONE OR THE OTHER.

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ANY DESIGNED ACCESS LID INTO RAINWATER RE-USE TANK IS TO HAVE A LOCKABLE LID. IF THE LID IS DESIGNED TO BE ACCESSED BY A MAINTENANCE PERSON, IT MUST BE AT LEAST 600 mm x 900 mm IN SIZE.

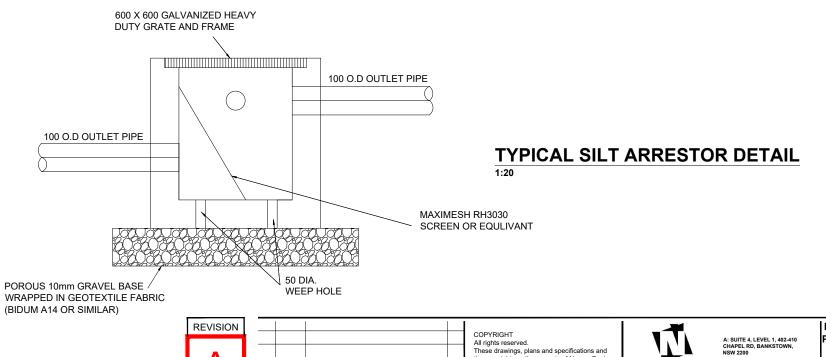
REFER TO PIPE LAYING SPECIFICATION FOR DETAILS.

PIPE DIA 'D'	W	X MIN	Y
100-150	300	75	75
225-300	600	75	75

DUAL DRINKING WATER & RAINWATER SUPPLY DIAGRAM

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UPVC PIPE

TYPICAL PIPE LAYING DETAIL

