

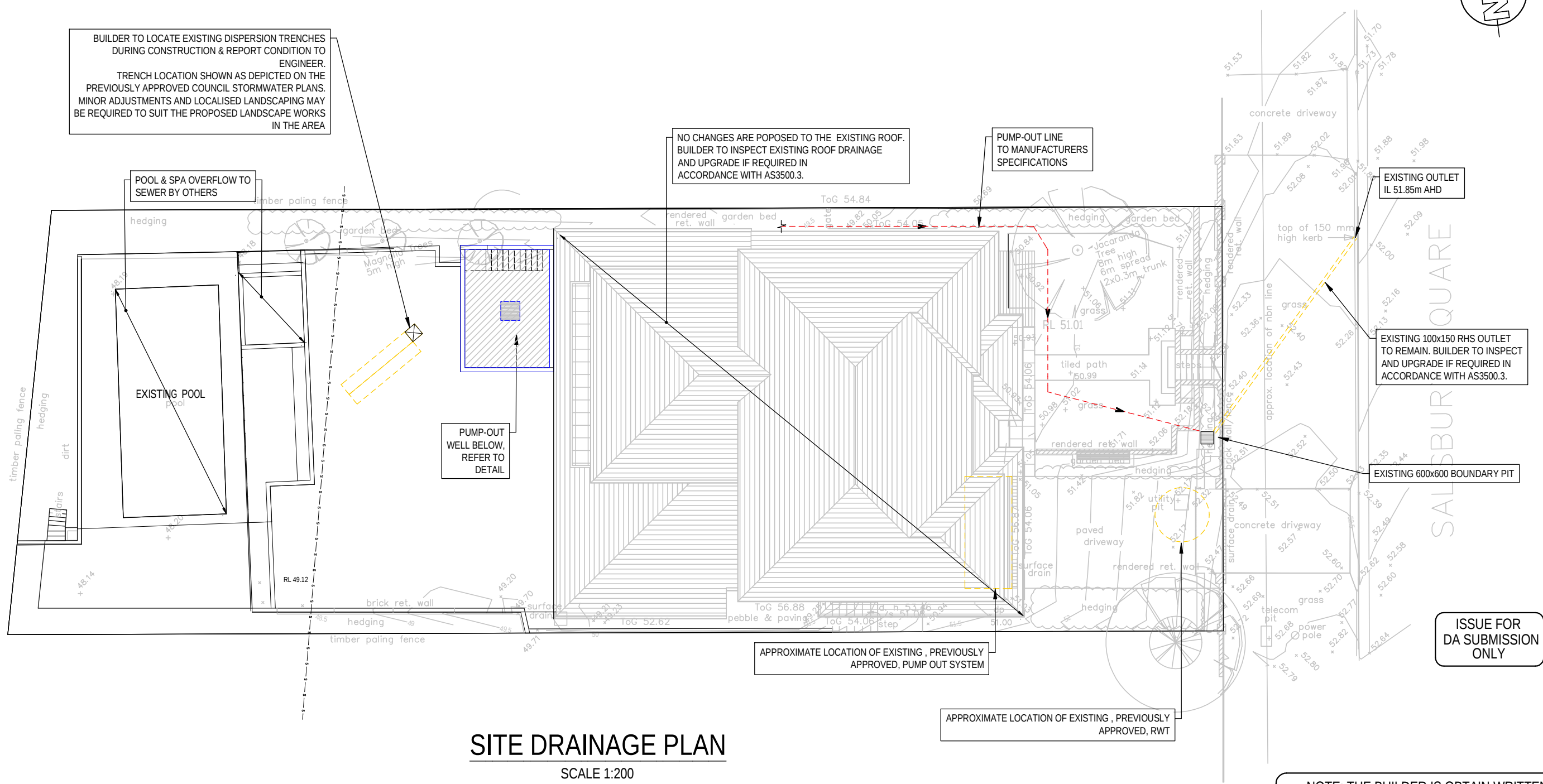
STORMWATER DRAINAGE NOTES:

- ALL PIPES TO BE 100mm Ø uPVC, LAID AT 1% MINIMUM GRADE TO AS1254.2002 U.N.O.
- ALL PIPES SHALL BE LAID ON A 75mm SAND BED, COMPACTED TO 100% S.M.D.D BELOW PAVEMENTS. (NO COMPACTION IS REQUIRED BELOW LANDSCAPING).
- COVER TO SURFACE FROM TOP OF PIPE TO BE 300mm MINIMUM. BACKFILL TO BE ADEQUATELY CONSOLIDATED AROUND PIPES BY METHOD OF RAMMING AND WATERING IN. TRENCHES TO BE FILLED WITH GRANULAR MATERIAL AS SPECIFIED.
- DOWNPIPE LOCATIONS ARE INDICATIVE ONLY. LOCATIONS TO BE CONFIRMED WITH ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
- PROVIDE CLEANING EYES AND LEAF CATCHERS TO ALL DOWNPIPES.
- ALL WORK TO BE IN ACCORDANCE WITH LOCAL COUNCIL STANDARDS AND SPECIFICATIONS.
- ALL LEVELS SHOWN ARE TO AHD.
- ENSURE THAT ALL PITS AND STORMWATER PIPES ARE LOCATED CLEAR FROM TREE ROOT SYSTEMS.
- ALL EXISTING EARTHENWARE PIPES TO BE UPGRADED TO uPVC.
- ALL WORKS TO BE IN ACCORDANCE WITH AS3500.3-2003 NATIONAL PLUMBING AND DRAINAGE CODE PART 3 - STORMWATER DRAINAGE.
- SUBSOIL DRAINS ARE TO BE INSTALLED IN ACCORDANCE WITH AS3500.3 ALONGSIDE WALLS THAT IMPEDE THE NATURAL FLOW OF GROUNDWATER. THIS MAY ALSO INVOLVE TRENCHING INTO THE CLAY OR ROCK SUBGRADE TO DIRECT GROUNDWATER AWAY FROM STRUCTURES.
- EXISTING ROOF DRAINAGE AND SITE DRAINAGE SYSTEM TO BE CHECKED AND UPGRADED AS REQUIRED. BUILDER TO INSPECT AND UPGRADE DRAINAGE IN ACCORDANCE WITH AS3500.3 IF REQUIRED.

- TO ENSURE THAT SEEPAGE WATER IS NOT BEING PUMPED CONTINUALLY OUT TO THE STREET, THE PUMPS IN THE BASEMENT SHALL BE ADJUSTED TO PERMIT STORAGE IN THE BASEMENT PIPE SYSTEM (REFER DETAIL FOR RL) PRIOR TO THE PUMPS CUTTING IN. THE PUMPS SHOULD THEN DISCHARGE ALL WATER SO THAT ONLY MINIMAL WATER IS LEFT OVER THE PUMP INTAKE AS REQUIRED BY THE MANUFACTURER.
- THE PUMPS SHALL OPERATE ALTERNATELY TO RL INDICATED ON DETAILS, WITH BOTH PUMPS OPERATING IN UNISON AT RL INDICATED ON DETAILS, (WITH HIGH LEVEL ALARM) IF THE WATER LEVEL RISES HIGHER THAN 100mm ABOVE THE INVERT OF THE INLET PIPE AND/OR ABOVE THE MAXIMUM WATER LEVEL AFTER THE FIRST PUMP HAS COME ON. THE BASEMENT IS TO BE SIGN POSTED TO PERMIT ADDITIONAL STORAGE VOLUME (UP TO 100mm IN DEPTH) DURING A MAJOR STORM EVENT.
- ALL WORKS TO BE IN ACCORDANCE WITH AS 3500.3: 2021 SECTION 8 PUMPED SYSTEMS
- PUMPS SHALL BE IN DUPLICATE. THE MAXIMUM CAPACITY OF EACH PUMP SHALL BE SELECTED SO THAT THE CAPACITY OF THE SYSTEM RECEIVING THE DISCHARGE IS NOT EXCEEDED. THE PUMP CONTROLS SHALL BE SET UP TO ENABLE ALTERNATE PUMP OPERATION AT EACH START. IN THE EVENT THAT A PUMP FAILS TO OPERATE WHEN THE WATER LEVEL IN THE WET WELL REACHES THE PUMP START, THE OTHER PUMP SHALL BE ACTIVATED AND A VISIBLE ALARM INITIATED. IN THE EVENT THAT BOTH PUMPS FAIL TO OPERATE AN AUDIBLE ALARM SHALL BE INITIATED.
- PUMPING EQUIPMENT SHALL BE SECURELY FIXED TO THE WET WELL USING CORROSION RESISTANT FIXINGS.
- PUMPS SHALL BE FITTED WITH A GATE VALVE AND NON-RETURN VALVE ON THE DELIVERY SIDE OF EACH PUMP.
- PUMPS SHALL HAVE FLANGES OR UNIONS INSTALLED TO FACILITATE REMOVAL.
- PUMPS SHALL BE CONTROLLED SO AS TO LIMIT THE NUMBER OF STARTS PER HOUR TO WITHIN THE CAPACITY OF THE ELECTRICAL MOTORS AND EQUIPMENT, AND SHALL, AS FAR AS PRACTICABLE, EMPTY THE CONTENTS OF THE WET WELL AT EACH OPERATION.
- PROVIDE BACKUP GENERATOR WITH SUITABLE POWER SUPPLY TO RUN PUMPS IN UNISON TO ENSURE THAT IN THE EVENT OF A BLACKOUT OR POWER INTERRUPTION THE PUMPS CONTINUE TO OPERATE.

SITE INFORMATION SUMMARY	
COUNCIL	NORTHERN BEACHES COUNCIL MANLY AREA - REGION 3 - ZONE 1
SITE AREA	1138 m ²
EXISTING IMPERVIOUS AREA	570 m ² (50%)
PROPOSED IMPERVIOUS AREA	614 m ² (54%)
INCREASE	44 m ²
SINCE THE INCREASE IN IMPERVIOUS AREA IS LESS THAN 50m ² AND TOTAL IMPERVIOUS PERCENTAGE LESS THAN 60%, OSD IS NOT RECOMMENDED FOR THIS DEVELOPMENT.	
LEGEND	
-- -- ➔ -- --	PUMP LINE, TO PUMP MANUFACTURERS SPECIFICATIONS.
= = = = =	EXISTING STORMWATER PIPELINE
DIAL BEFORE YOU DIG NOTICE	
NO INVESTIGATION OF UNDERGROUND SERVICES HAS BEEN MADE. ALL RELEVANT AUTHORITIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION ON OR NEAR THE SITE DEVELOPERS & EXCAVATORS MAY BE HELD FINANCIALLY RESPONSIBLE BY THE ASSET OWNER SHOULD THEY DAMAGE UNDERGROUND NETWORKS. <u>CARELESS DIGGING CAN:</u> - CAUSE DEATH OR SERIOUS INJURY TO WORKERS AND THE GENERAL PUBLIC - INCONVENIENCE USERS OF ELECTRICITY, GAS, WATER AND COMMUNICATIONS - LEAD TO CRIMINAL PROSECUTION AND DAMAGES CLAIMS - CAUSE EXPENSIVE FINANCIAL LOSSES TO BUSINESS - CUT OFF EMERGENCY SERVICES - DELAY PROJECT COMPLETION TIMES WHILE THE DAMAGE IS REPAIRED	
MINIMISE YOUR RISK AND DIAL BEFORE YOU DIG. – TEL. 1100 www.dialbeforeyoudig.com.au 1100 BEFORE YOU DIG	

			Client		Project	9 SALISBURY SQUARE SEAFORTH		Designed CH	06/06/2022		
			Architect				Checked CH	Approved CH	Scale 1 : 200		
			SCOPE ARCHITECTS			Title	GENERAL NOTES	Drawing number SW01	Job number 2022044	Revision A	
A	ISSUE FOR DA SUBMISSION ONLY. NOT FOR CONTRUCTION	06/06/22									PO BOX: 1510, DEE WHY ABN - 90 645 409 801
	AMENDMENT	DATE									

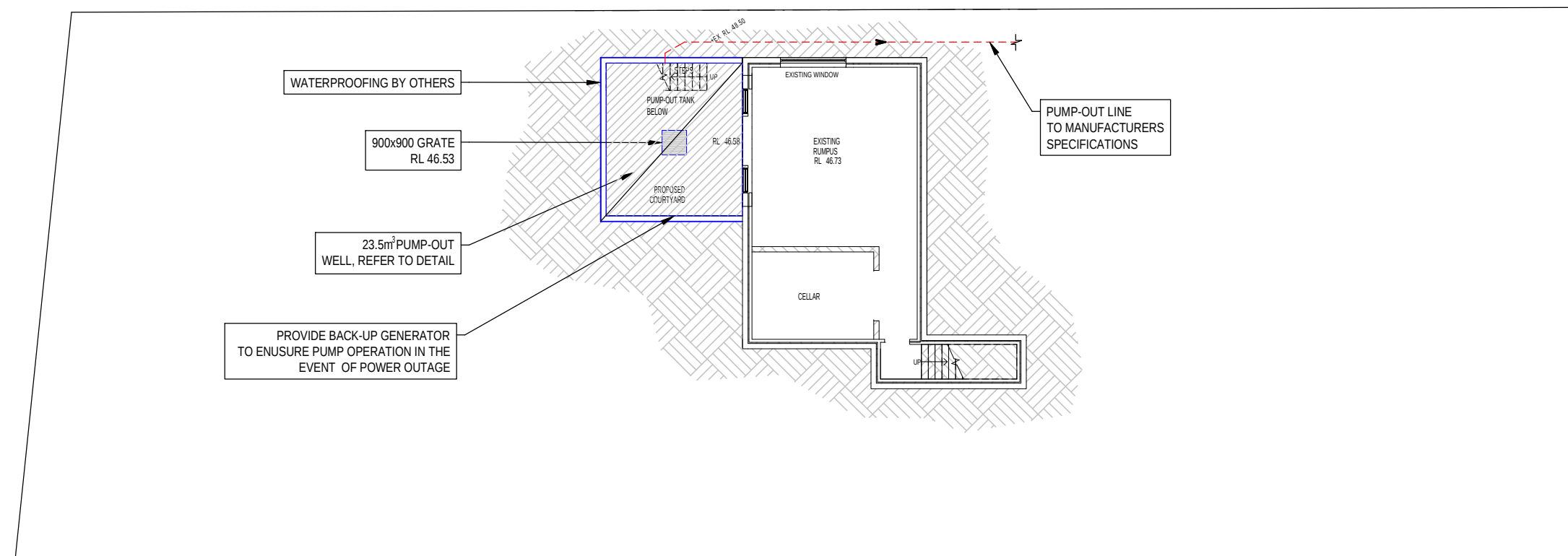


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NOTE: THE BUILDER IS OBTAIN WRITTEN APPROVAL FROM THE ENGINEER IF EXISTING STORMWATER PIPES ARE TO BE RE-USED. THE PIPES SHOULD BE IN GOOD CONDITION OR REPAIRED AS REQUIRED.

NOTE: SUBSOIL DRAINAGE TO BE PROVIDED
AS REQUIRED IN ACCORDANCE WITH
AS.3500.3 AND NCC REQUIREMENTS

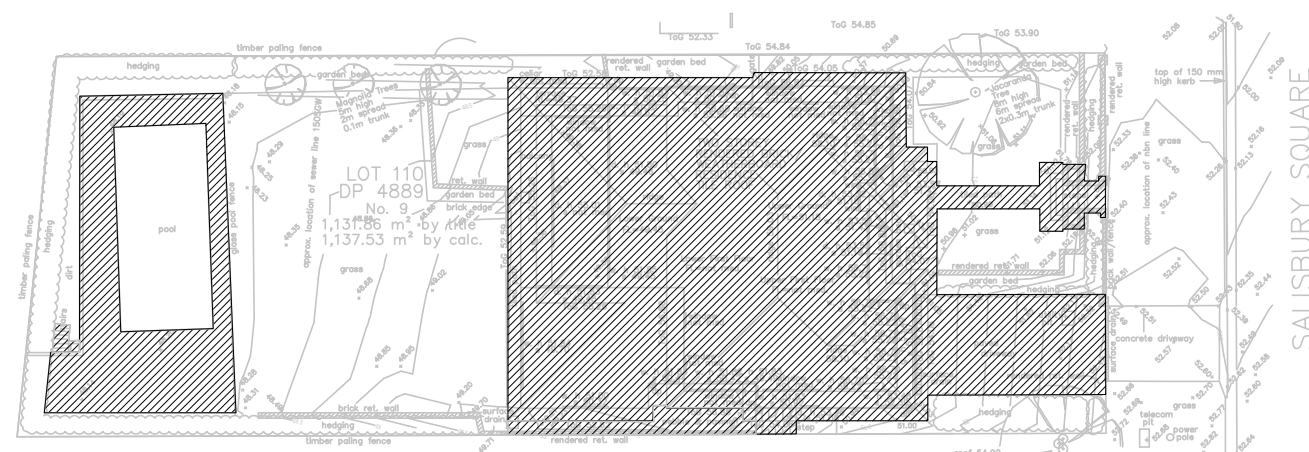
			Client	 APPROVED CONSULTING ENGINEERS	Project	9 SALISBURY SQUARE SEAFORTH		Designed CH	06/06/2022
			Architect				Checked CH	Approved CH	Scale 1 : 200
			SCOPE ARCHITECTS PO BOX: 1510, DEE WHY ABN - 90 645 409 801		Title	GROUND & FIRST FLOOR DRAINAGE PLAN	Drawing number SW02	Job number 2022044	Revision A
A	ISSUE FOR DA SUBMISSION ONLY. NOT FOR CONTRUCTION	06/06/22							
	AMENDMENT	DATE							



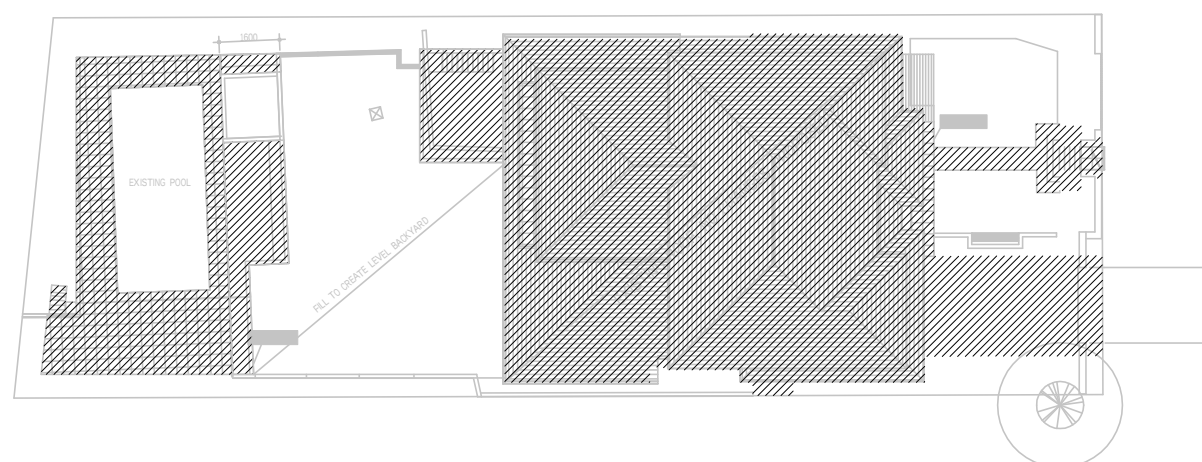
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			Client SAMUEL ALLEN Architect SCOPE ARCHITECTS PO BOX: 1510, DEE WHY ABN - 90 645 409 801	 APPROVED CONSULTING ENGINEERS	Project	9 SALISBURY SQUARE SEAFORTH		Designed CH	06/06/2022
					Checked CH	Approved CH	Scale 1 : 200		
					Title	BASEMENT DRAINAGE PLAN & DETAILS	Drawing number SW03	Job number 2022044	Revision A
A	ISSUE FOR DA SUBMISSION ONLY. NOT FOR CONTRUCTION	06/06/22							
	AMENDMENT	DATE							



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			Client	SAMUEL ALLEN	 APPROVED CONSULTING ENGINEERS	Project	9 SALISBURY SQUARE SEAFORTH		Designed CH	06/06/2022	
			Architect	SCOPE ARCHITECTS		Checked CH	Approved CH	Scale 1 : 200			
A	ISSUE FOR DA SUBMISSION ONLY. NOT FOR CONTRUCTION	06/06/22					Title	BASEMENT DRAINAGE PLAN & DETAILS	Drawing number SW04	Job number 2022044	Revision A
	AMENDMENT	DATE		PO BOX: 1510, DEE WHY ABN - 90 645 409 801							