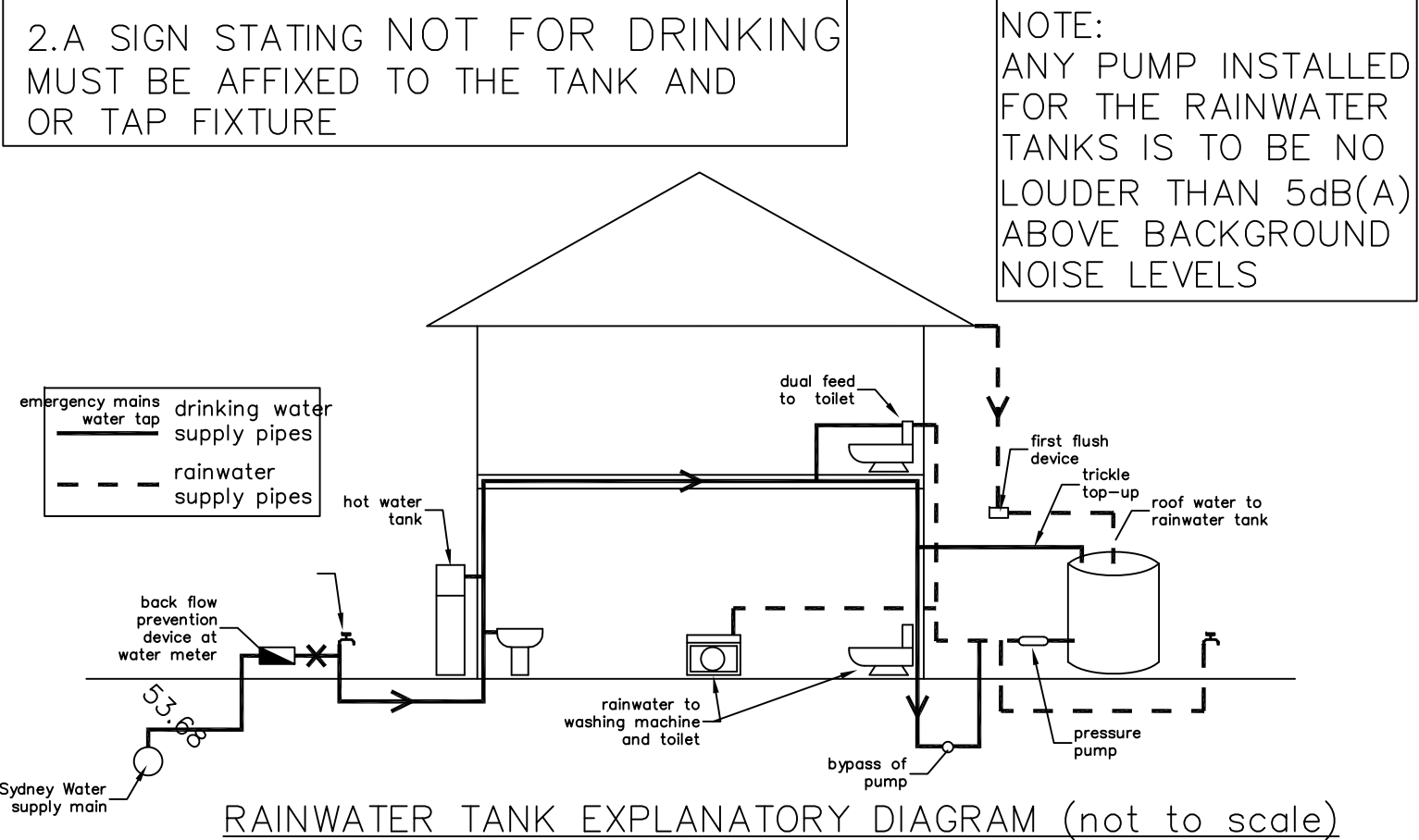
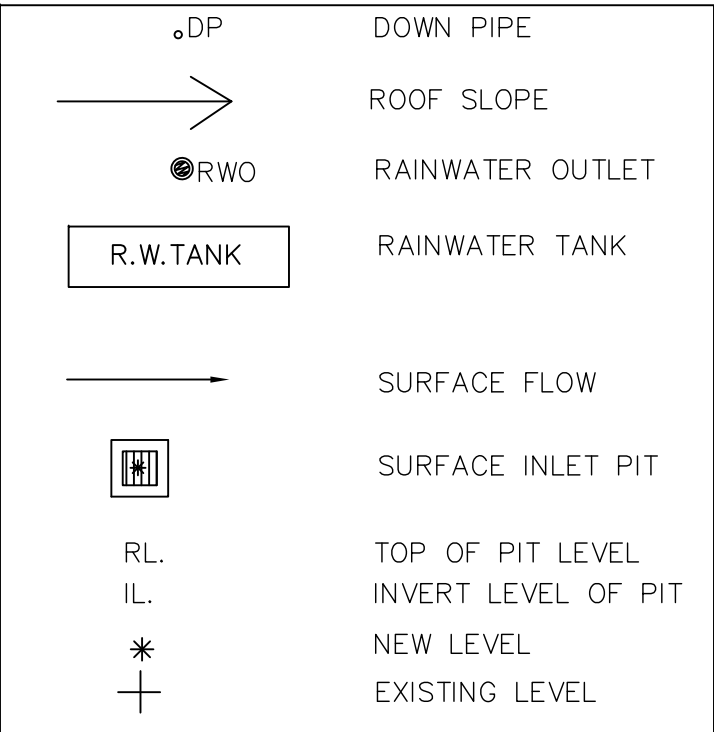


NOTE:
1. TANK WATER IS NOT RECOMMENDED FOR HUMAN CONSUMPTION.
2. A SIGN STATING NOT FOR DRINKING MUST BE AFFIXED TO THE TANK AND OR TAP FIXTURE



- NOTES
1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, STRUCTURAL DRAWINGS AND THE SPECIFICATION.
 2. PRIOR TO COMMENCEMENT OF WORKS THE CONTRACTOR SHALL SATISFY HIMSELF OF THE CORRECT LOCATION OF EXISTING SERVICES WHETHER INDICATED OR NOT ON THE PLANS. ANY DAMAGE TO EXISTING SERVICES SHALL BE RECTIFIED AT THE CONTRACTORS EXPENSE.
 3. TRAFFIC MANAGEMENT MEASURES HAVE TO BE IMPLEMENTED AND MAINTAINED DURING CONSTRUCTION, ALL IN ACCORDANCE WITH COUNCIL'S REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN ACCESS ALONG THE FOOTPATH.
 4. THE CONTRACTOR SHALL EFFECT TEMPORARY DRAINAGE MEASURES TO AVOID LOCALISED PONDING OF SURFACE RUN-OFF.
 5. REFER TO ARCHITECT'S DRAWINGS FOR ALL DETAILS (LEVELS, GRADING ETC.) OF DRIVEWAYS, CONCRETE AND PAVED AREAS, AND RETAINING WALL TYPES AND LOCATIONS.
 6. REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR DETAILS AND EXTENT OF ALL LANDSCAPED AREAS.
 7. ALL SWD PIPES ARE UPVC AT 1.0% MINIMUM GRADE (UNO).
 8. SWD PITS CAN BE PRE-CAST SIZED AS FOLLOWS:
450mm SQ. UP TO 600mm DEEP
600mm SQ. UP TO 1000mm DEEP
 9. ALL PITS LOCATED IN TRAFFICABLE AREAS, (IE, DRIVEWAYS) TO HAVE MEDIUM DUTY GRATED COVERS SUITABLE FOR WITHSTANDING LOADS ASSOCIATED WITH SMALL TRUCKS.
 10. PROVIDE STEP IRONS TO ALL PITS GREATER THAN 1.2m DEEP.
 11. THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO COMMENCEMENT OF WORKS.
 12. TOPSOIL SHALL BE STRIPPED DOWN STOCKPILED OUTSIDE HAZARD AREAS SUCH AS DRAINAGE LINES. THIS TOPSOIL IS TO BE RESPREAD LATER ON AREAS TO BE REVEGETATED.
 13. THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL SEDIMENT AND EROSION CONTROL DEVICES AND REMOVE ACCUMULATED SILT FROM SUCH DEVICES. ALL SILT REMOVED SHALL BE DISPOSED OF AS DIRECTED BY THE SUPERINTENDENT. THE PERIOD FOR MAINTAINING THESE DEVICES SHALL BE AT LEAST UNTIL ALL DISTURBED AREAS ARE REVEGETATED AND FURTHER AS MAY BE DIRECTED BY THE SUPERINTENDENT OR COUNCIL.
 14. THE CONTRACTOR SHALL MAINTAIN DUST CONTROL UNTIL FINAL COMPLETION OF WORKS.



STORMWATER PLAN

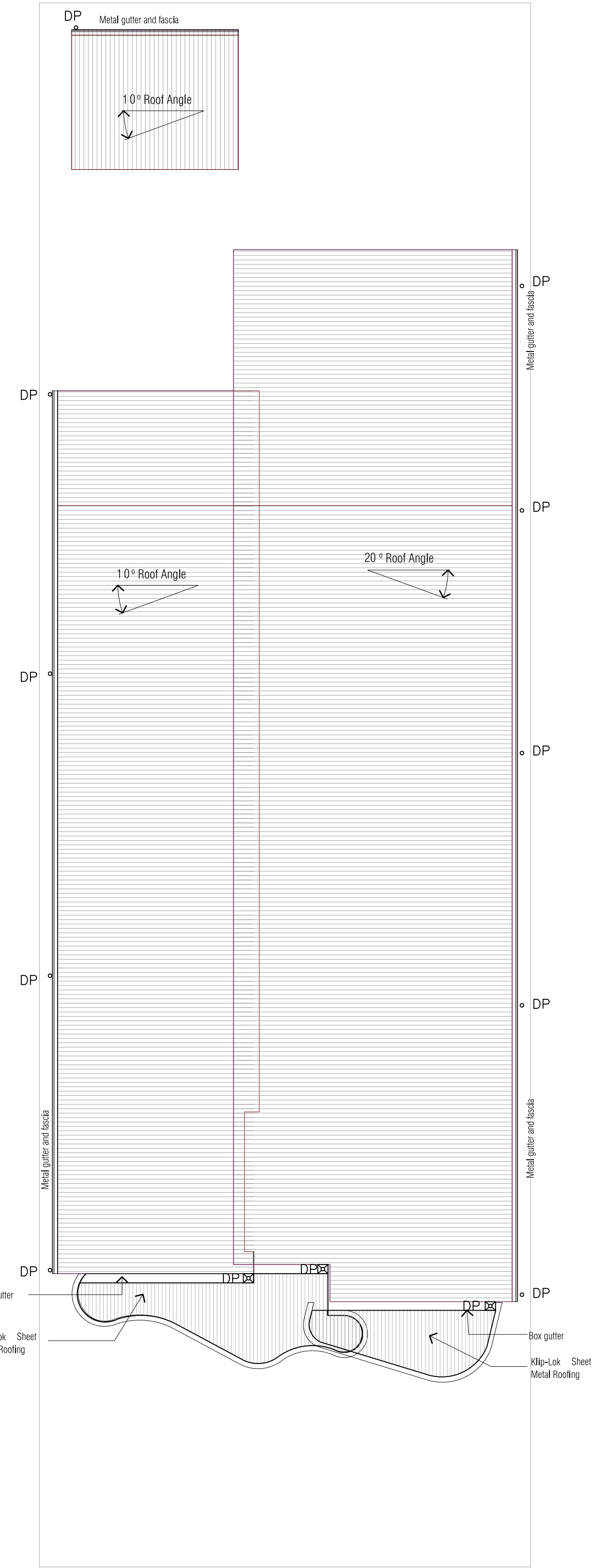
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* NEW LEVEL
+ EXISTING LEVEL
ALL DP TO BE 100 UPVC

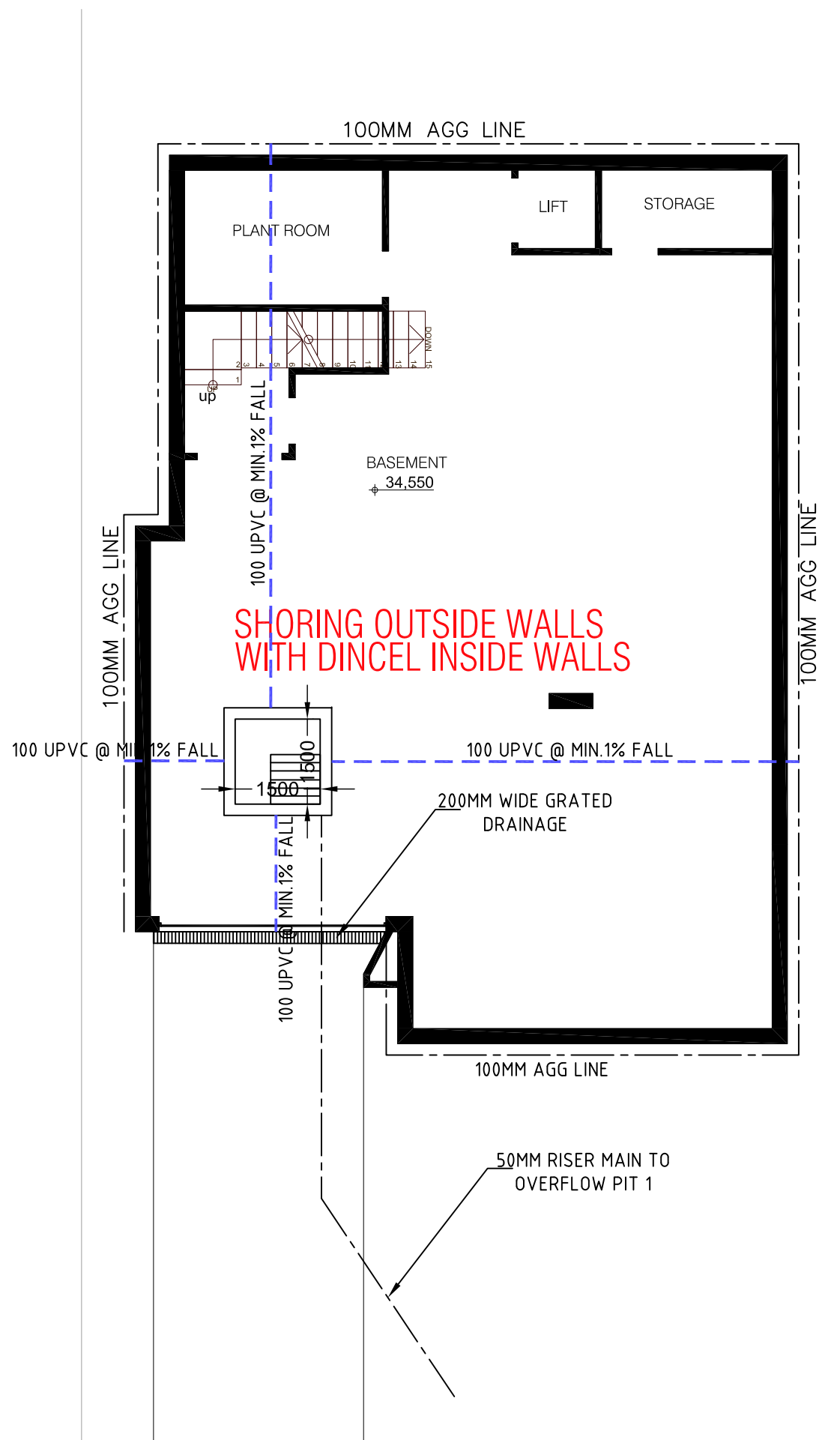


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ISSUE	DATE	REVISION & AMENDMENT	DRAWN

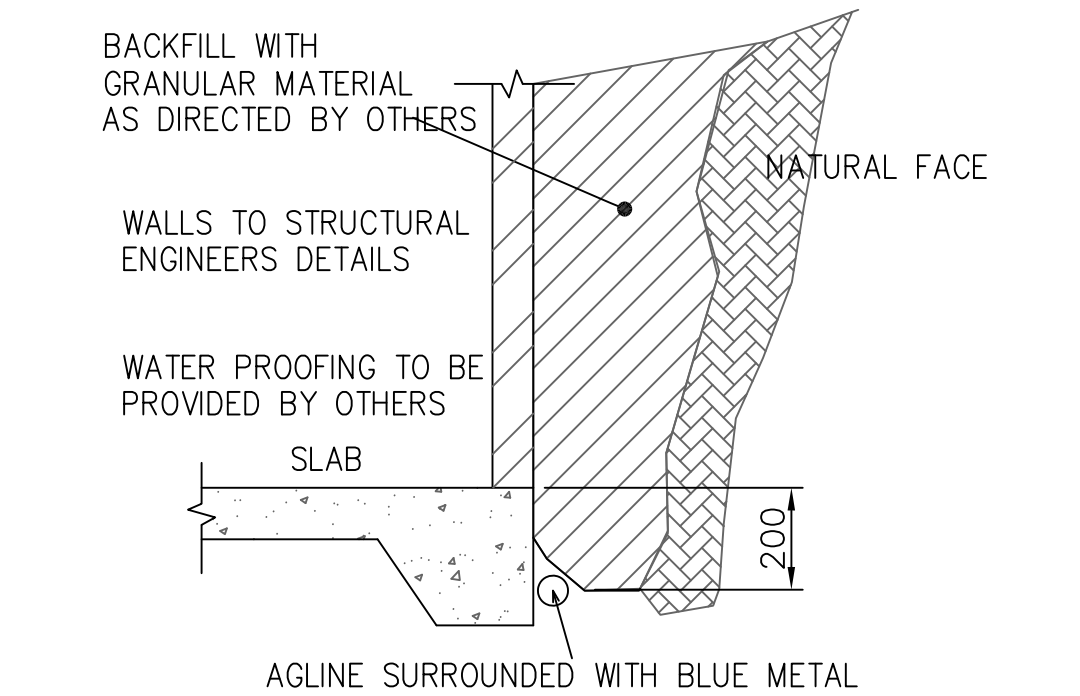
NOBLE AVENUE MBC ENGINEERING MBC ENGINEERING PTY LTD PO BOX 269, PARRAMATTA EMAIL: mbceconsulting@live.com MOBILE: 0432546227	PROPOSED RESIDENTIAL AT: 219 NOBLE AVE, GREENACRE	TITLE: STORMWATER DRAINAGE PLAN	DRAWN BY :		DATE : 13/05/2024		JOB No : 2024213		SET OF :	
			DESIGNED: C.Z.(BE, MIEAust 3928680)		SCALE : 1:100 1:20		SHEET No : S1			



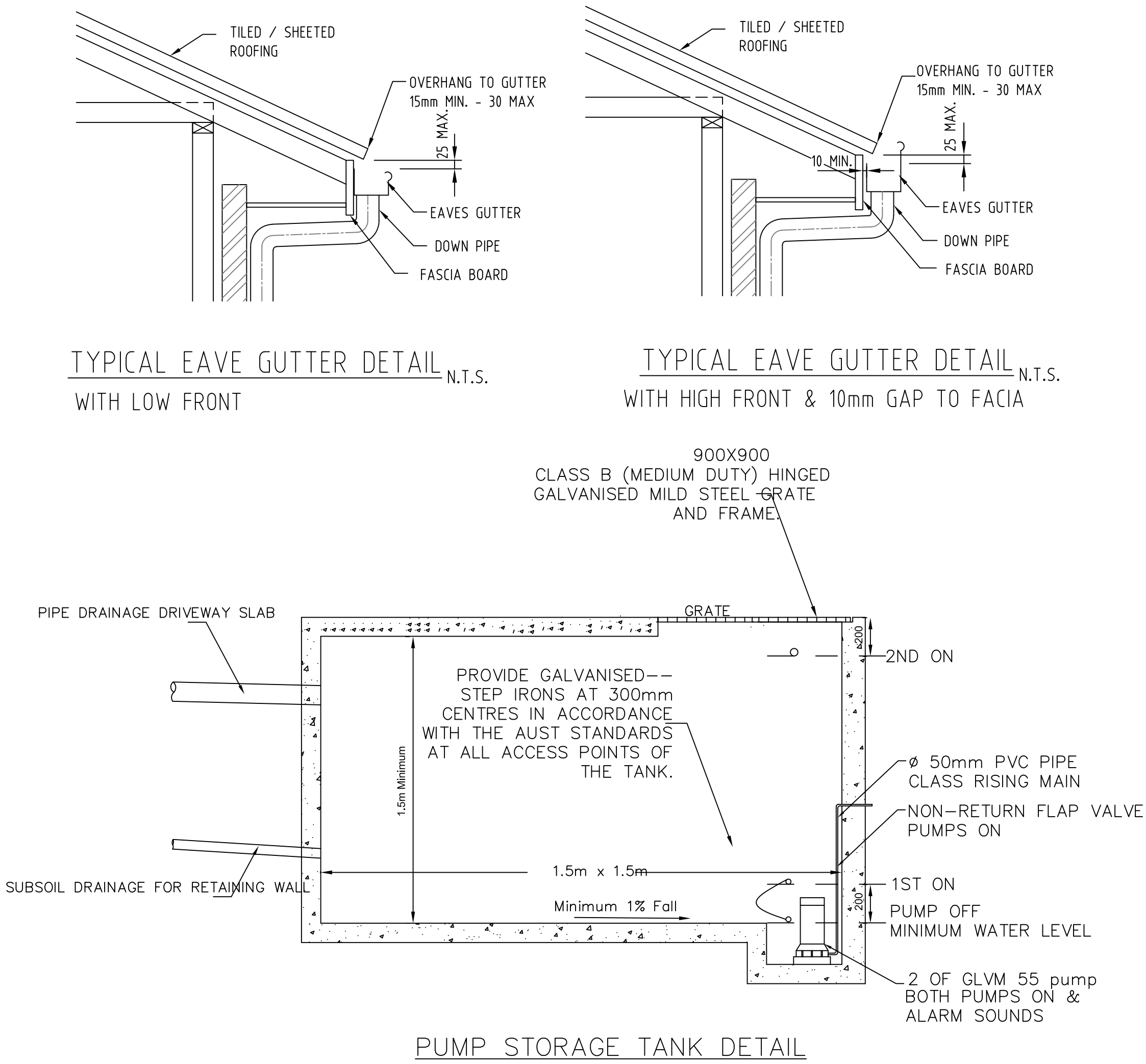
ROOF PLAN



BASEMENT PLAN

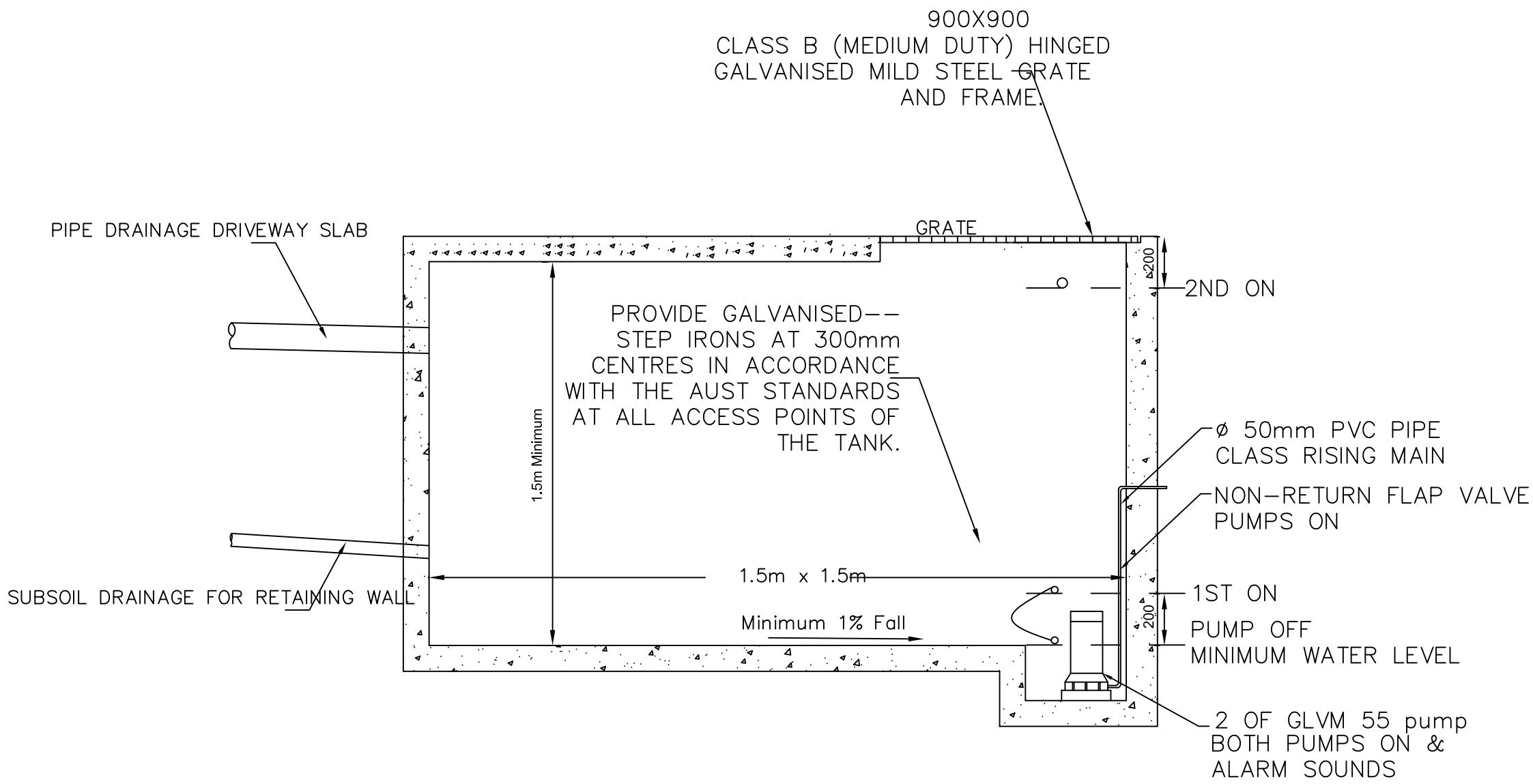


TYPICAL RETAINING WALL DRAINAGE DETAIL



TYPICAL EAVE GUTTER DETAIL WITH LOW FRONT

TYPICAL EAVE GUTTER DETAIL WITH HIGH FRONT & 10mm GAP TO FACIA



PUMP STORAGE TANK DETAIL

PUMP-OUT PIT DESIGN NOTES:

THE PUMP OUT SYSTEM SHALL BE DESIGNED TO BE OPERATED IN THE FOLLOWING MANNER:

- * THE PUMPS SHALL BE PROGRAMMED TO WORK ALTERNATELY SO AS TO ALLOW BOTH PUMPS TO HAVE AN EQUAL OPERATION LOAD AND PUMP LIFE
- * A LOW LEVEL FLOAT SHALL BE PROVIDED TO ENSURE THAT THE MINIMUM REQUIRED WATER LEVEL IS MAINTAINED WITHIN THE SUMP AREA OF THE BELOW GROUND TANK. IN THIS REGARD THIS FLOAT WILL FUNCTION AS AN OFF SWITCH FOR THE PUMPS,
- * A SECOND FLOAT SHALL BE PROVIDED AT A HIGHER LEVEL, APPROXIMATELY 200MM ABOVE THE MINUM WATER LEVEL. WHEREBY ONE OF THE PUMPS WILL OPERATE AND DRAIN THE TANK TO THE LEVEL OF THE LOW LEVEL FLOAT.
- * A THIRD FLOAT SHALL BE PROVIDED AT A HIGH LEVEL, WHICH IS APPROXIMATELY THE ROOF LEVEL OF THE BELOW GROUND TANK. THIS FLOAT SHOULD BE START THE OTHER PUMP THAT IS NOT OPERATING AND ACTICATE THE ALARM.
- * A ALARM SYSTEM SHALL BE PROVIDED WITH A FLASHING STROBE LIGHT AND A PUMP FAILURE WARNING SIGN WHICH ARE TO BE LOCATED AT THE DRIVEWAY ENTRANCE TO THE BASEMENT LEVEL. THE ALARM SYSTEM SHALL BE PROVIDED WITH A BATTERY BACK-UP IN CASE OF POWER FAILURE.
- *CONTRACTOR IS TO CONFIRM PUMP ELECTRICAL LOAD AND CONNECTION WITH ELECTRICAL CONTRACTOR AT BEGINNING OF THE PROJECT.

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MBC ENGINEERING

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TITLE:

STORMWATER DRAINAGE PLAN

DRAWN BY :	DATE : 13/05/2024	JOB No : 2024213	SET OF :
DESIGNED: C.Z.(BE, MIEAust 3928680)	SCALE : 1:100 1:20	SHEET No : S2	