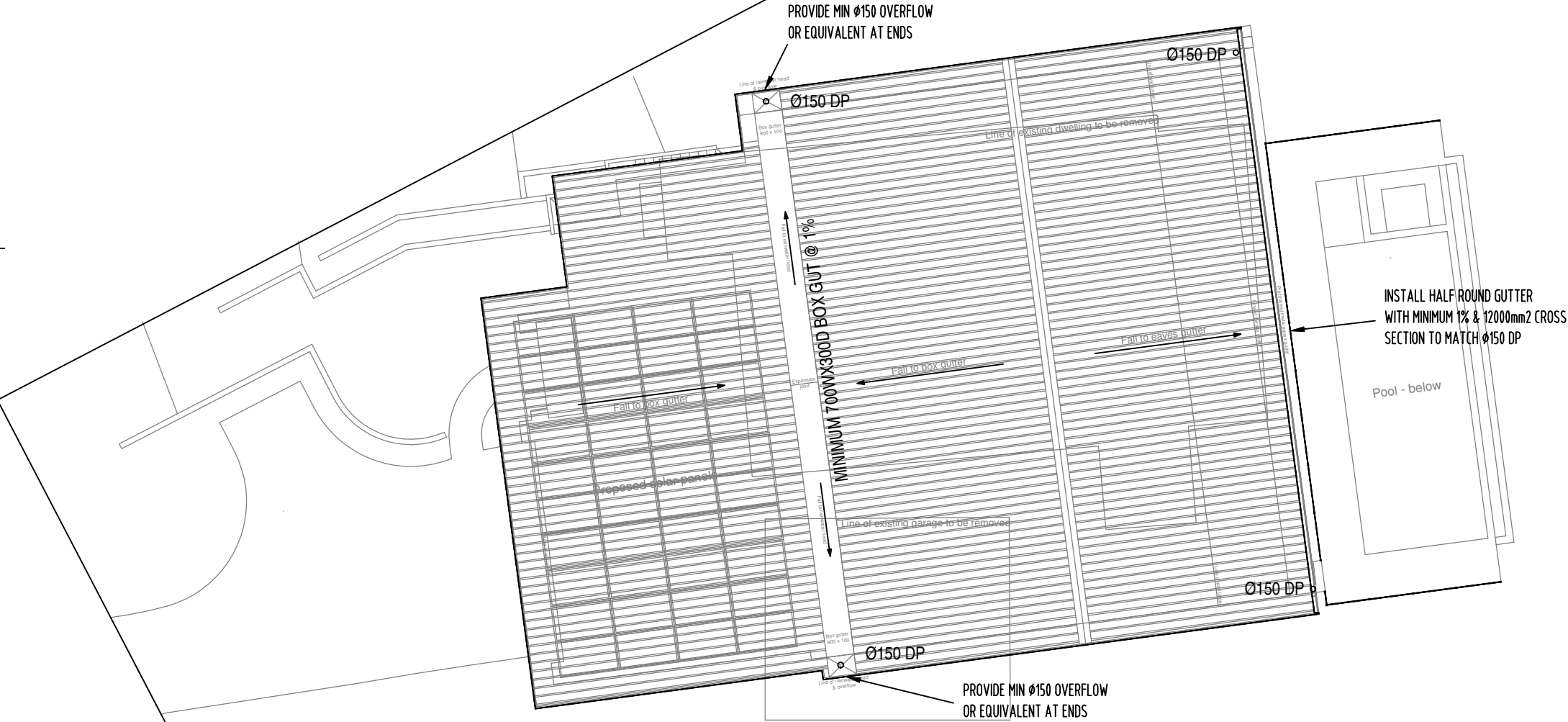


FOR D.A SUBMISSION, NOT FOR CONSTRUCTION



STORMWATER NOTES

1. ALL PIPES AND WORKMANSHIP ARE TO BE SOLVENT WELDED AND INSTALLED IN ACCORDANCE WITH RELEVANT PARTS OF AS/NZS 3500.
2. ALL PIPES ARE MIN 100mm DIA U.N.O LAID AT MIN. 1% GRADE
3. ALL DOWN PIPES SHALL BE 100mm DIA SOLVENT WELDED
4. EAVE GUTTERS SHALL HAVE MIN CROSS-SECT AREA 8500mm². BOX MIN 350WX200D
5. PLUMBER MUST INVESTIGATE ALL UNDERGROUND SERVICES LOCATIONS AND LEVELS BY CONTACTING "DIAL BEFORE YOU DIG" PRIOR TO WORKS COMMENCING. ANY CONFLICT OR DISCREPENCIES WITH DESIGN, THE ENGINEER SHALL BE CONSULTED FOR RESOLUTION.
6. THE LOCATION OF PIPELINE AND D.P SHOWN ARE NOT RESTRICTIVE. THEY CAN BE VARIED TO SUIT SITE CONDITIONS AS LONG AS THE TOTAL AREA DRAINING TO EACH PIPE/D.P REMAINS ESSENTIALLY THE SAME AND MINIMUM GRADIENT IS MAINTAINED.
7. THE DESIGN COVERS THE COLLECTION & DISPOSAL OF SURFACE WATER ONLY. CONSULT OTHER PROFESSIONALS FOR THE COLLECTION & DISPOSAL OF SEEPAGE & SUBSURFACE WATER FLOWS WHERE REQUIRED.
8. ALL GUTTERS AND ROOF FLASHING INSTALLATION SHALL BE IN ACCORDANCE WITH RELEVANT SECTIONS OF AS3500.3 REGARDING OVERFLOW PROTECTION.
9. ENSURE EXTERNALL FINISHED GROUND LEVELS ARE GRADED AWAY FROM BUILDING AND LOCATED A MINIMUM 150mm BELOW INTERNAL FINISHED FLOOR LEVEL.

RAIN WATER TANKS

1. ONLY ROOF RUNOFF IS TO BE DIRECTED TO RAINWATER TANK
2. SYDNEY WATER SUPPLY TO TOP UP TANKS SHALL BE INSTALLED TO SYDNEY WATER REQUIREMENTS.
- 3 CONNECTION FOR INTERNAL REUSE SHALL BE AS PER D.A CONSENT OR BASIX REQUIREMENTS.
4. ALL RAINWATER TANKS AND ASSOCIATED PIPE WORKS ARE TO BE LABEL LED NON-POTABLE - NOT FOR DRINKING.
5. PROVIDE A PROPRIETOR CONTROLLER BOX TO REGULATE WATER SUPPLY FROM RAINWATER TANKS FOR INTERNAL REUSE.
- 6.PROVIDE LEAF GUARD TO ALL GUTTERS & MOSQUITOES NETTING TO R/W TANKS INLET, WITH APPROPRIATE AIR GAP.
7. RAINWATER TANK INSTALLATION & THEIR ASSOCIATED FITTINGS & FIXTURES SHALL COMPLY WITH RELEVANT SECTIONS OF AS/NZS 2179-1994 & AS 2180-1986.

Rev	Description	Eng	Draft	Date
A	FOR D.A SUBMISSION	MN	MN	26.8.23

Client Mr & Mrs Micallef			
Drawn MN	Designed MN	Checked MN	Scale 1:150
Prj No. 230500	Drw No. C01	Issue A	Date 7.8.23

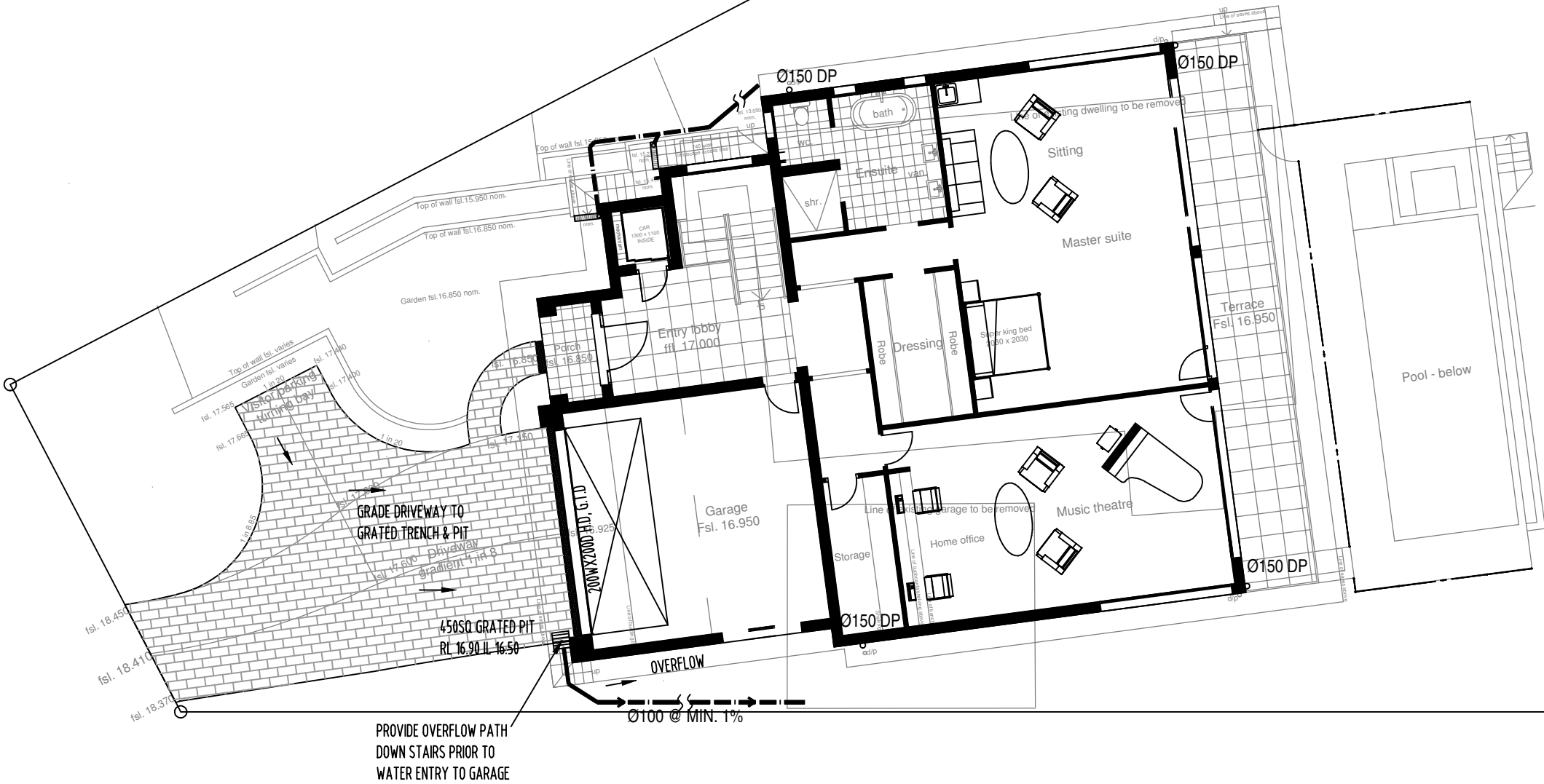
Title ROOF STORMWATER
Project New Residence at 212 Hudson Parade, Claireville



DEVELOPMENT ENGINEERING SOLUTIONS

21 GRAND AVE, WESTMEAD 2145 P 8898 9830 M 0411506738

FOR D.A SUBMISSION, NOT FOR CONSTRUCTION



PROVIDE OVERFLOW PATH
DOWN STAIRS PRIOR TO
WATER ENTRY TO GARAGE

Rev	Description	Eng	Draft	Date
A	FOR D.A SUBMISSION	MN	MN	26.8.23

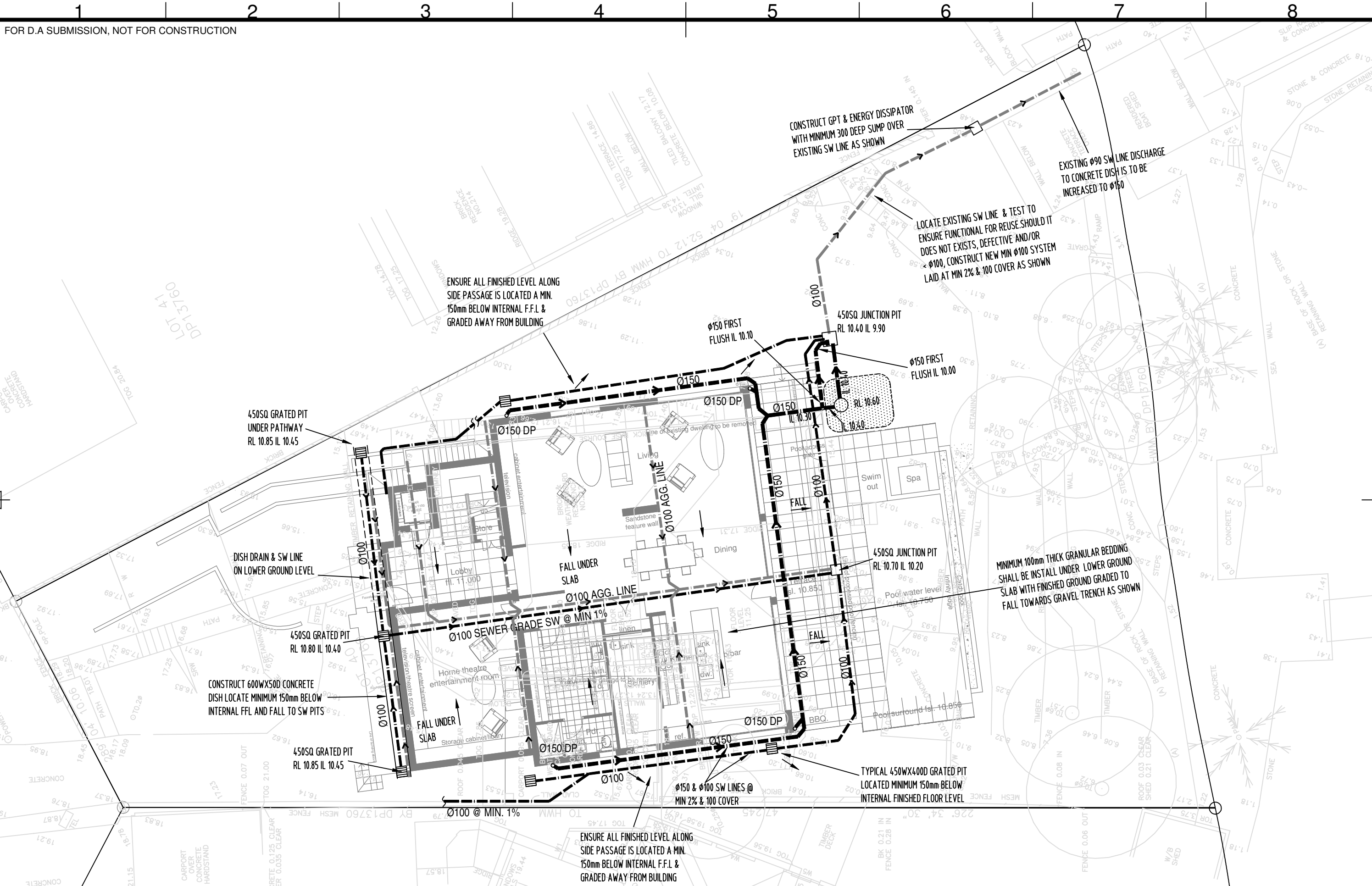
Client Mr & Mrs Micallef			
Drawn MN	Designed MN	Checked MN	Scale 1:150
Proj No. 230500	Drw No. C02	Issue A	Date 7.8.23

Title GROUND FLOOR DRAINAGE
Project New Residence at 212 Hudson Parade, Claireville



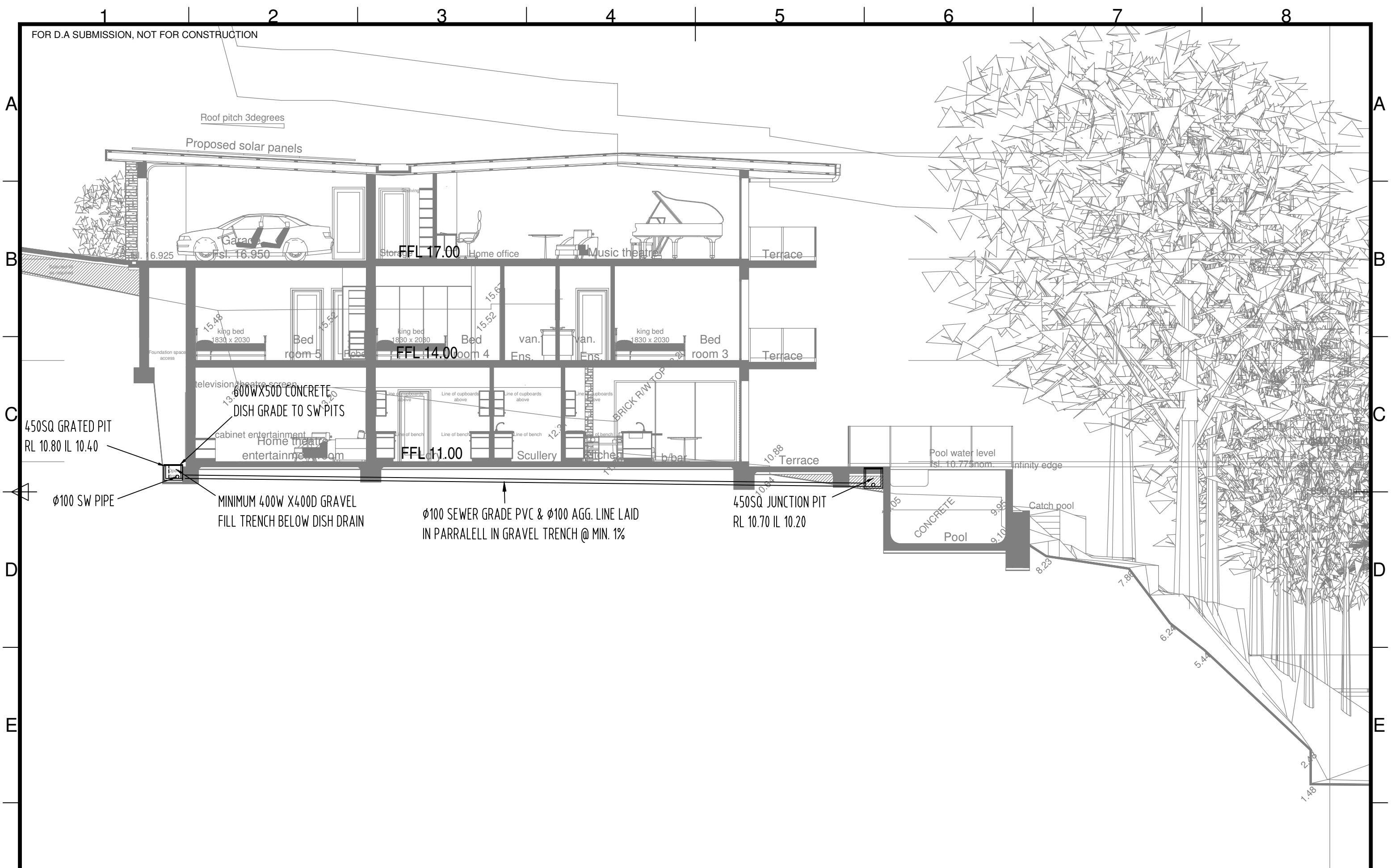
DEVELOPMENT ENGINEERING SOLUTIONS

21 GRAND AVE, WESTMEAD 2145 P 8898 9830 M 0411506738



Rev	Description	Eng	Draft	Date	Client				Title			
					Mr & Mrs Micallef				LOWER GROUND FLOOR DRAINAGE			
					Drawn	Designed	Checked	Scale	Project New Residence at 212 Hudson Parade, Claireville			
					MN	MN	MN	1:150				
					Proj No.	Draw No.	Issue	Date	21 GRAND AVE, WESTMEAD 2145 P 8898 9830 M 0411506738			
					230500	C03	A	7.8.23				
A	FOR D.A SUBMISSION	MN	MN	26.8.23								





F	Rev	Description	Eng	Draft	Date	Client				Title				<div><div></div><div></div><div></div><div></div></div> <div>DEVELOPMENT ENGINEERING SOLUTIONS</div> <div>21 GRAND AVE, WESTMEAD 2145 P 8898 9830 M 0411506738</div>	F
						Mr & Mrs Micallef				LONGSECTION THROUGH BUILDING					
						Drawn	Designed	Checked	Scale	Project New Residence at					
						MN	MN	MN	1:100						
	A	FOR D.A SUBMISSION	MN	MN	19.8.23	Prj No.	Drw No.	Issue	Date	212 Hudson Parade, Claireville					
					230500	C04	A	7.8.23							
	1	2	3								6	7	8		