
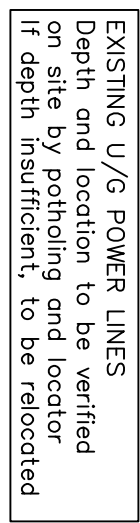


STILL EARTH DAM



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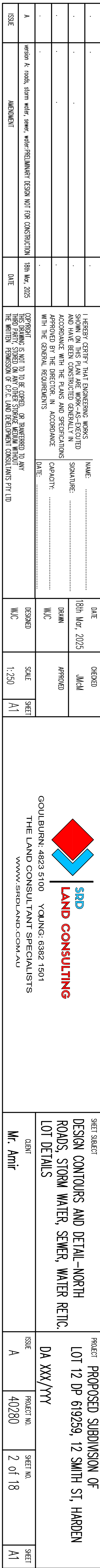


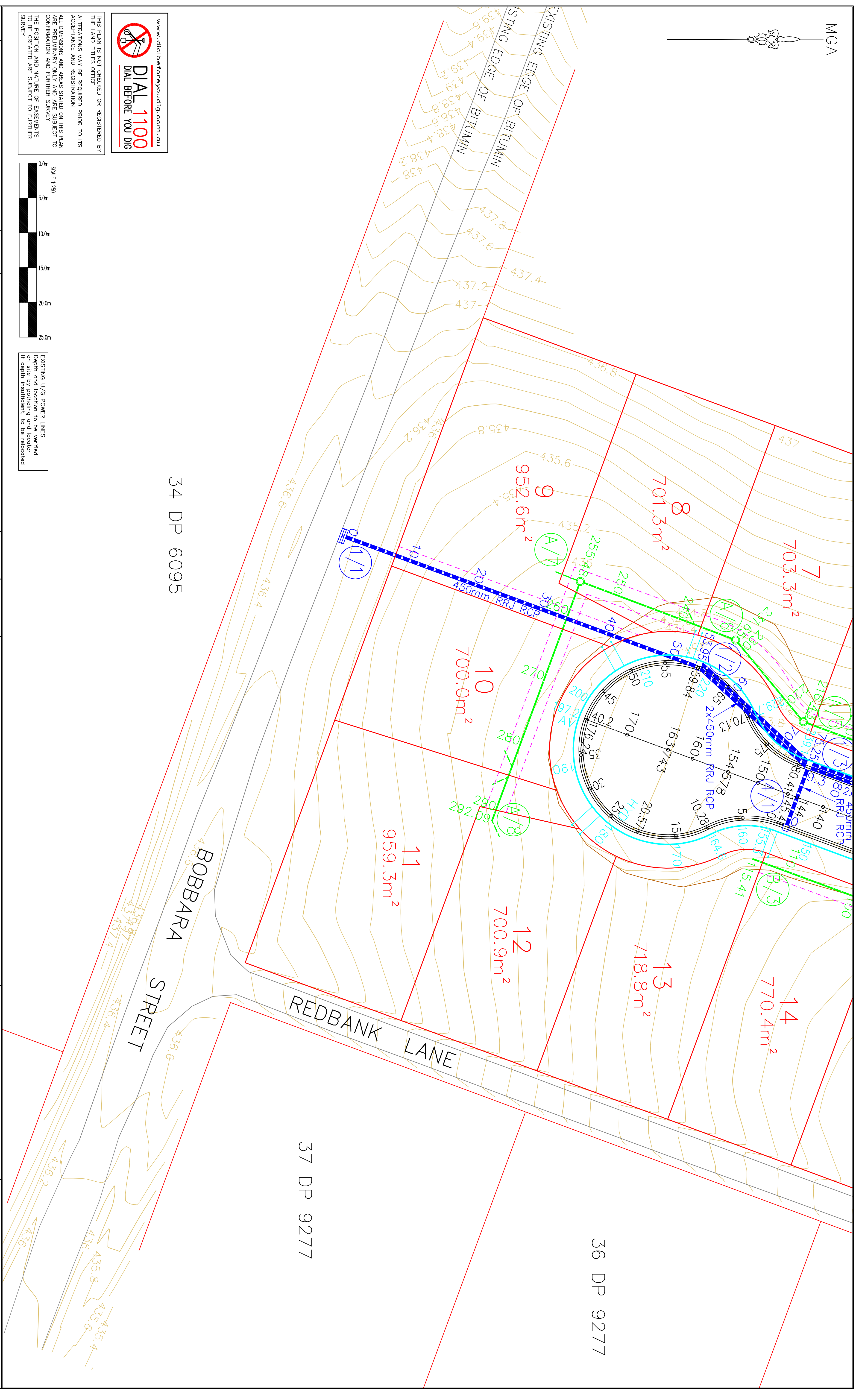
THIS PLAN IS NOT CHECKED OR REGISTERED BY THE LAND TITLES OFFICE.

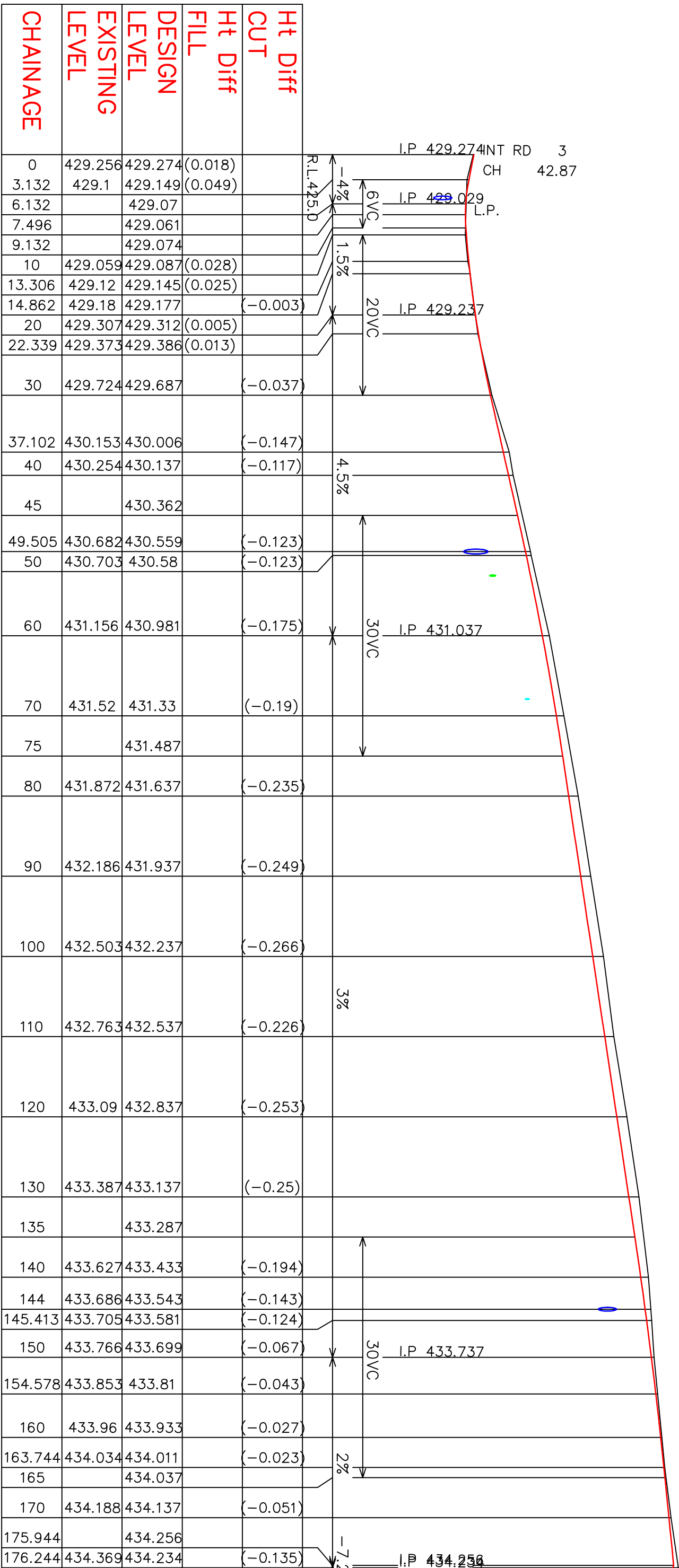
ALTERATIONS MAY BE REQUIRED PRIOR TO ITS ACCEPTANCE AND REGISTRATION.

ALL DIMENSIONS AND AREAS STATED ON THIS PLAN ARE PRELIMINARY ONLY AND ARE SUBJECT TO CONFRONTATION AND FURTHER SURVEY.

THE POSITION AND NATURE OF EASEMENTS TO BE CREATED ARE SUBJECT TO FURTHER SURVEY.

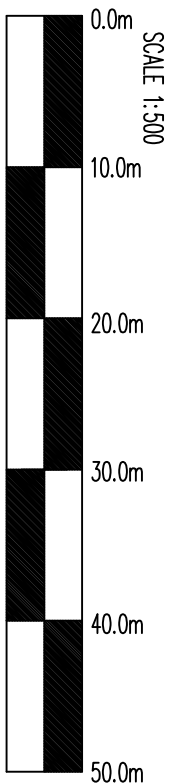
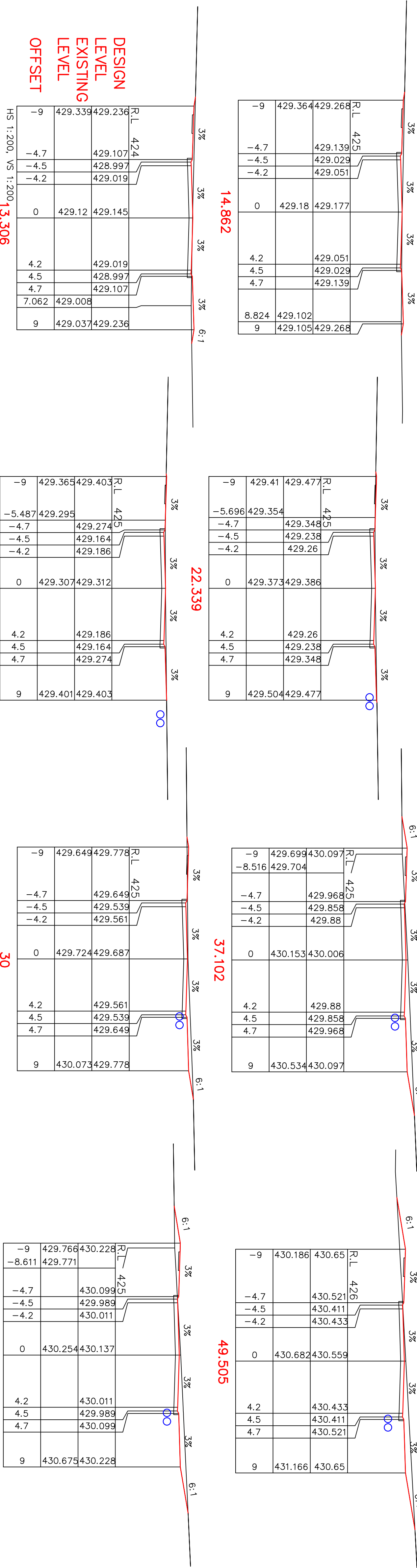


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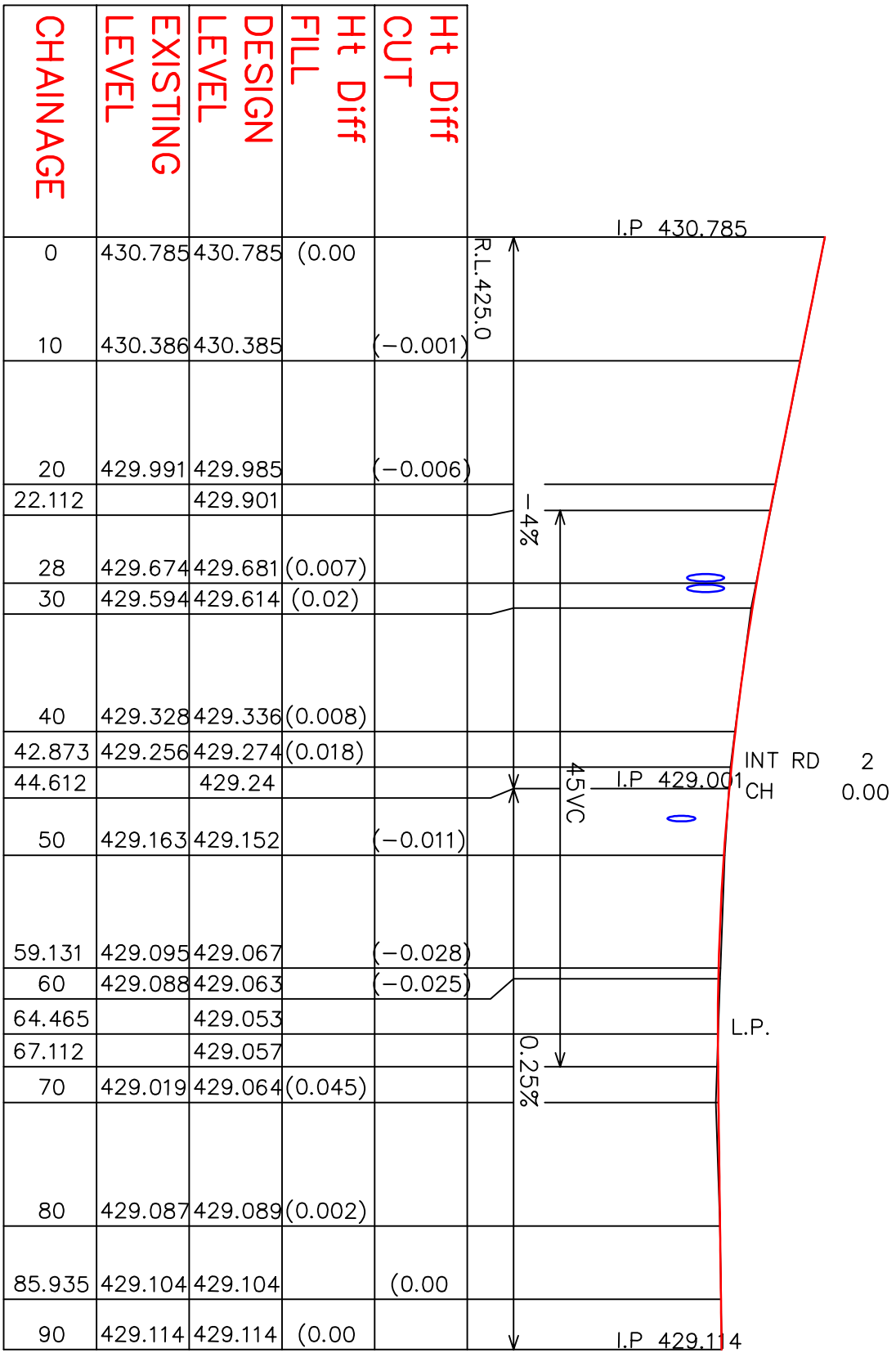


HORIZONTAL SCALE 1:500, VERTICAL SCALE 1:100

SUBDIVISION ROAD CL

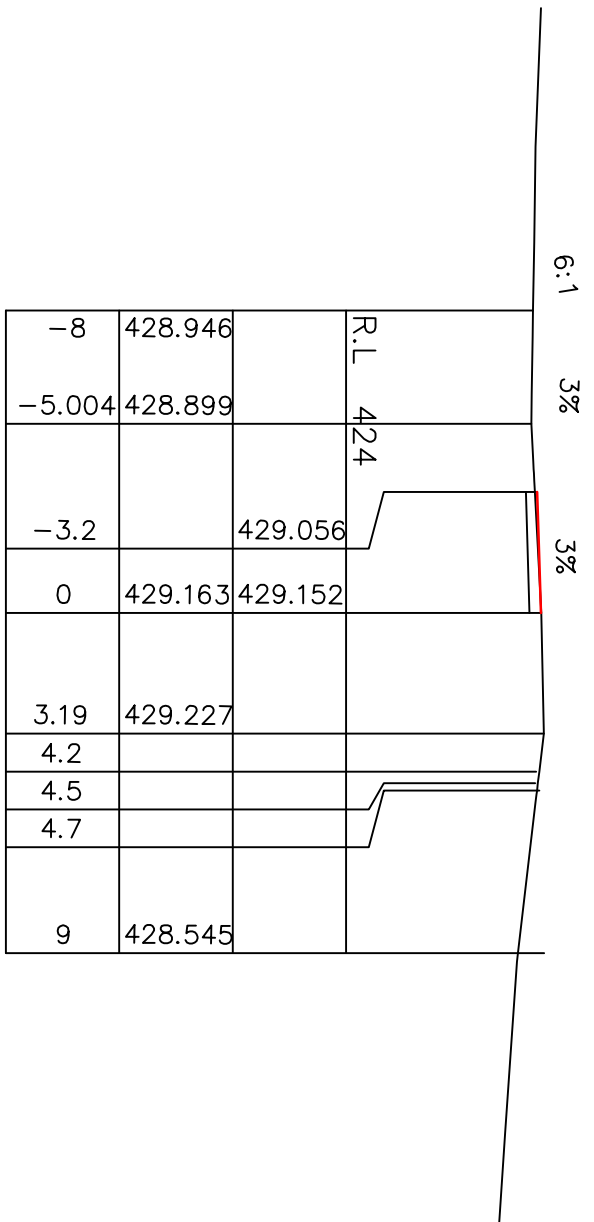


ISSUE	AMENDMENT	DATE	NAME: SIGNATURE: CAPACITY: DATE:		DATE	CHECKED	SHEET SUBJECT		PROJECT	PROJECT NO.	SHEET NO.	SHEET
A	version k, roads, storm water, sewer, water-PRELIMINARY DESIGN NOT FOR CONSTRUCTION	18th Mar, 2025	I HEREBY CERTIFY THAT ENGINEERING WORKS SHOWN ON THIS DRAWING HAVE BEEN DESIGNED AND HAVE BEEN CONSTRUCTED GENERALLY IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE DIRECTOR, IN ACCORDANCE WITH THE GENERAL REQUIREMENTS		18th Mar, 2025	W/C	W/C	DESIGNED	1:500/100	1:200/200	A1	A1
GOLDBURN, 4823 5100 YOUNG, 6382 1501 THE LAND CONSULTANT SPECIALISTS www.srdland.com.au												
SUBDIVISION ROAD LONG AND CROSS SECTIONS												
DA XXX/YYY												
LOT 12 DP 619259, 12 SMITH ST, HARDEN												

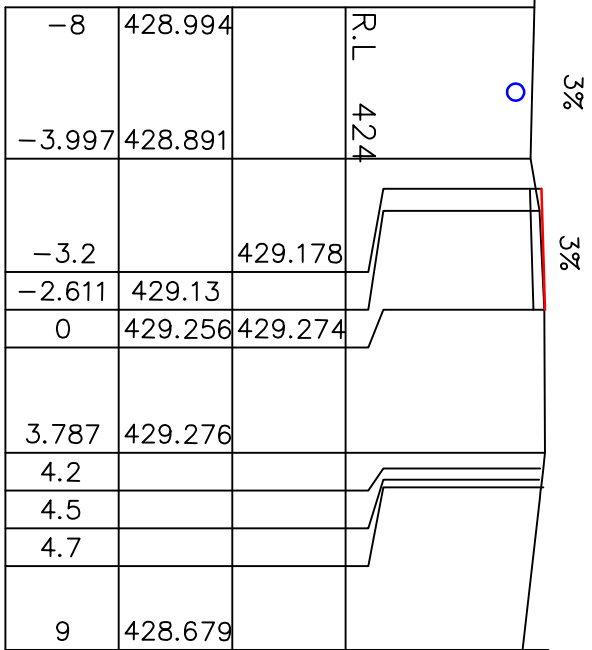


HORIZONTAL SCALE 1:500, VERTICAL SCALE 1:100

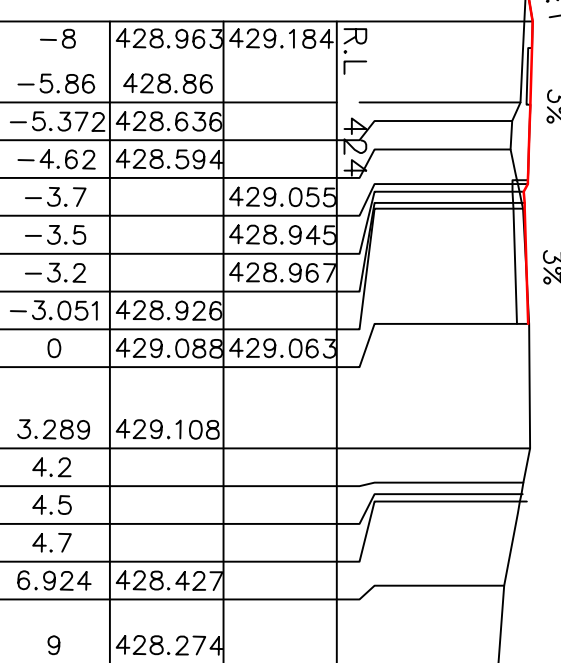
SMITH STREET CL



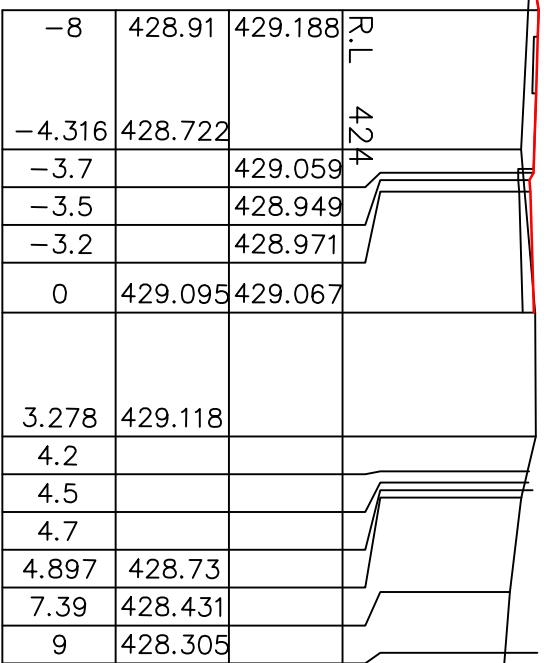
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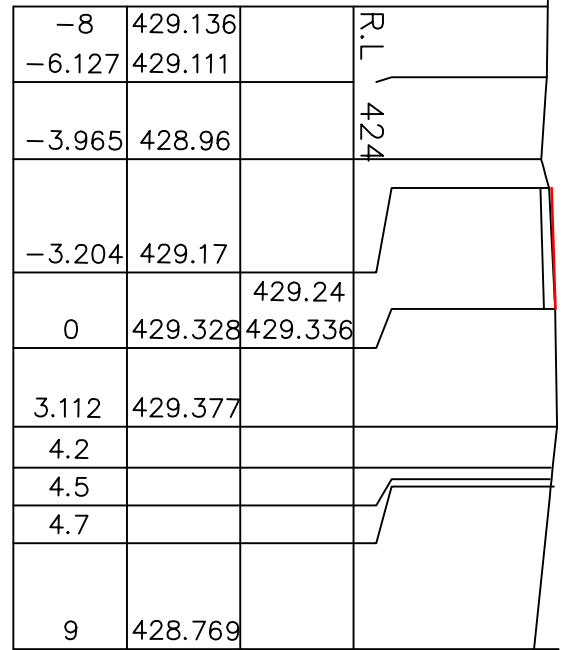
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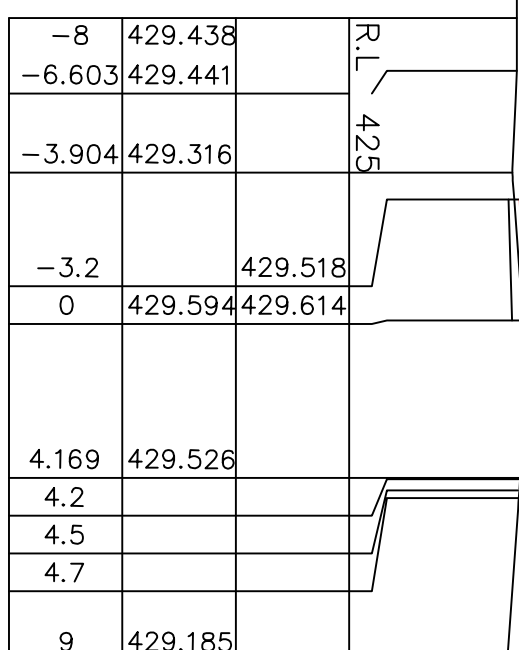
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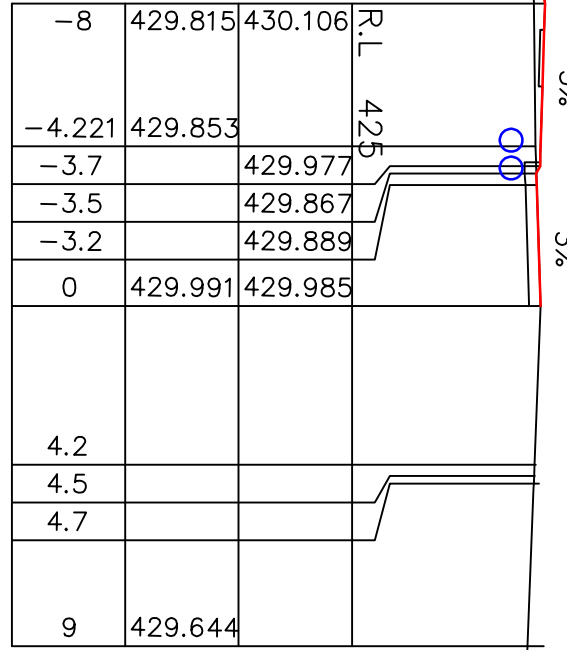
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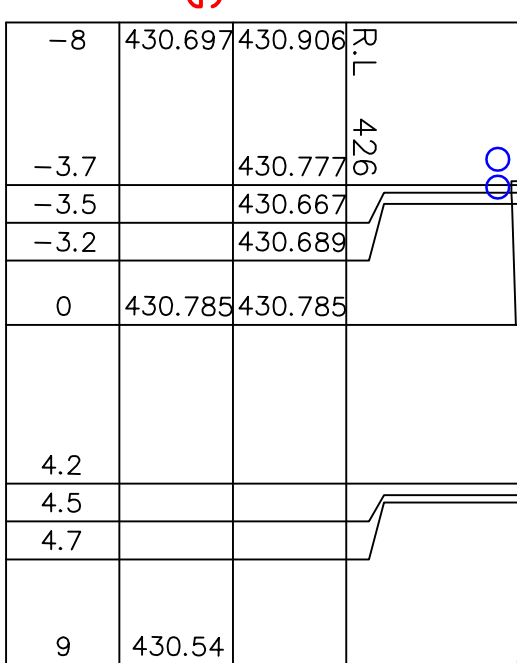
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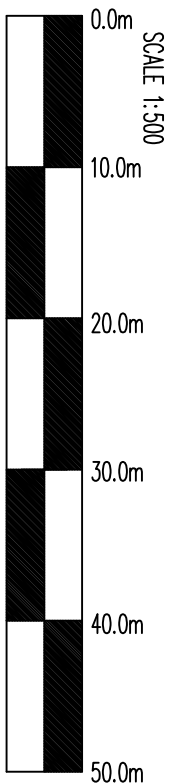
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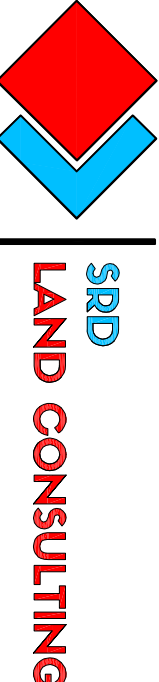


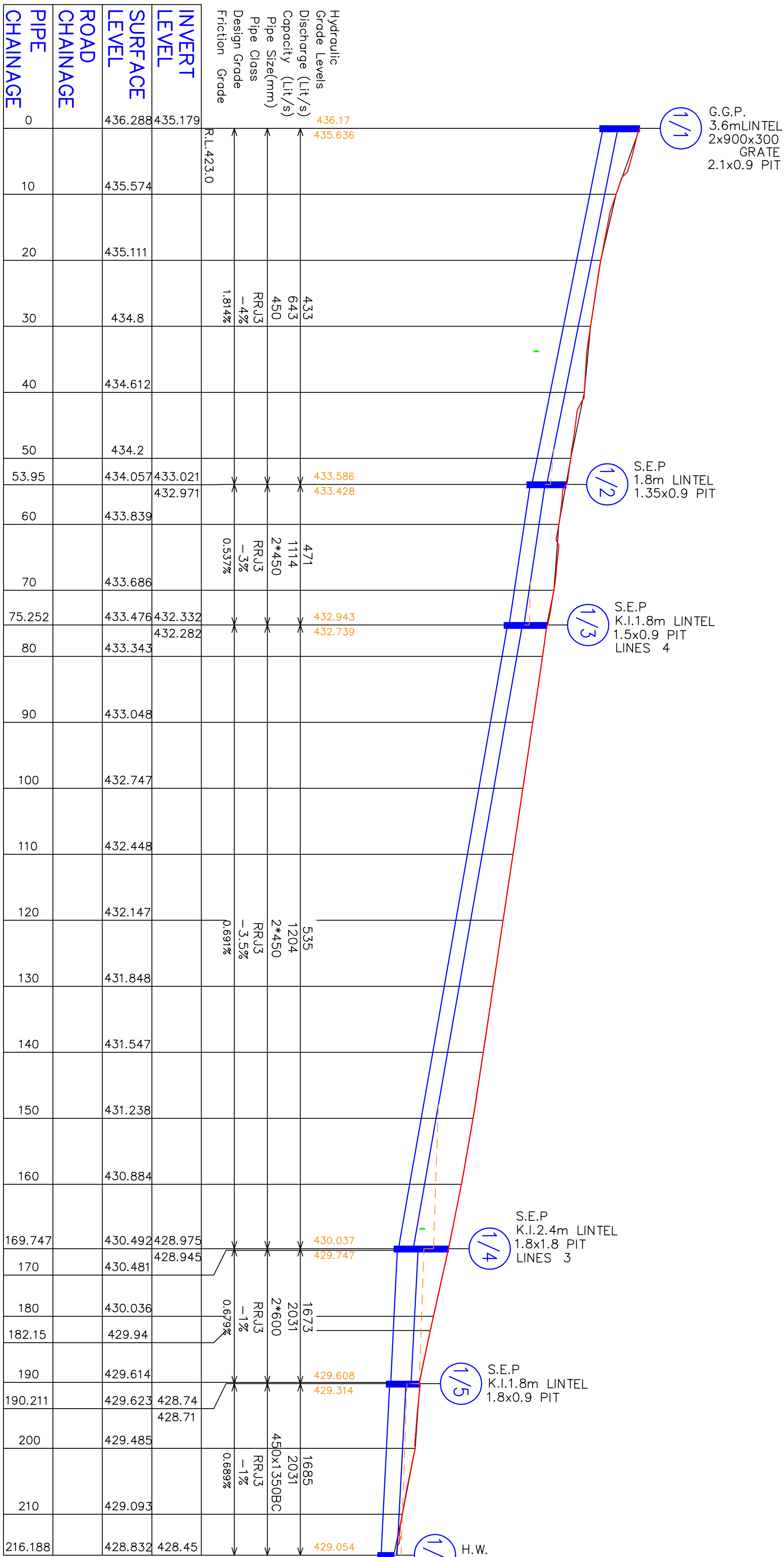
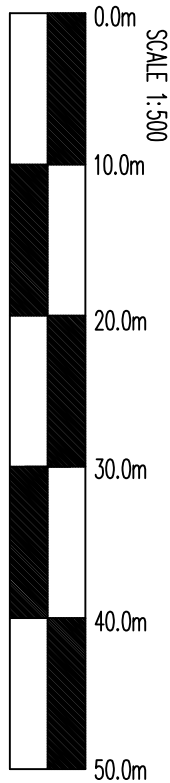
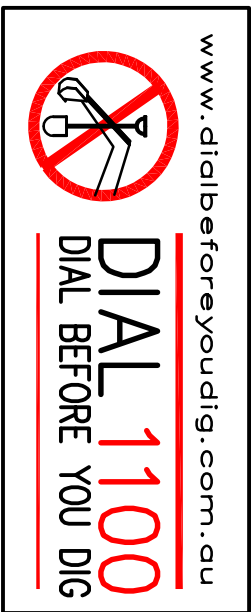
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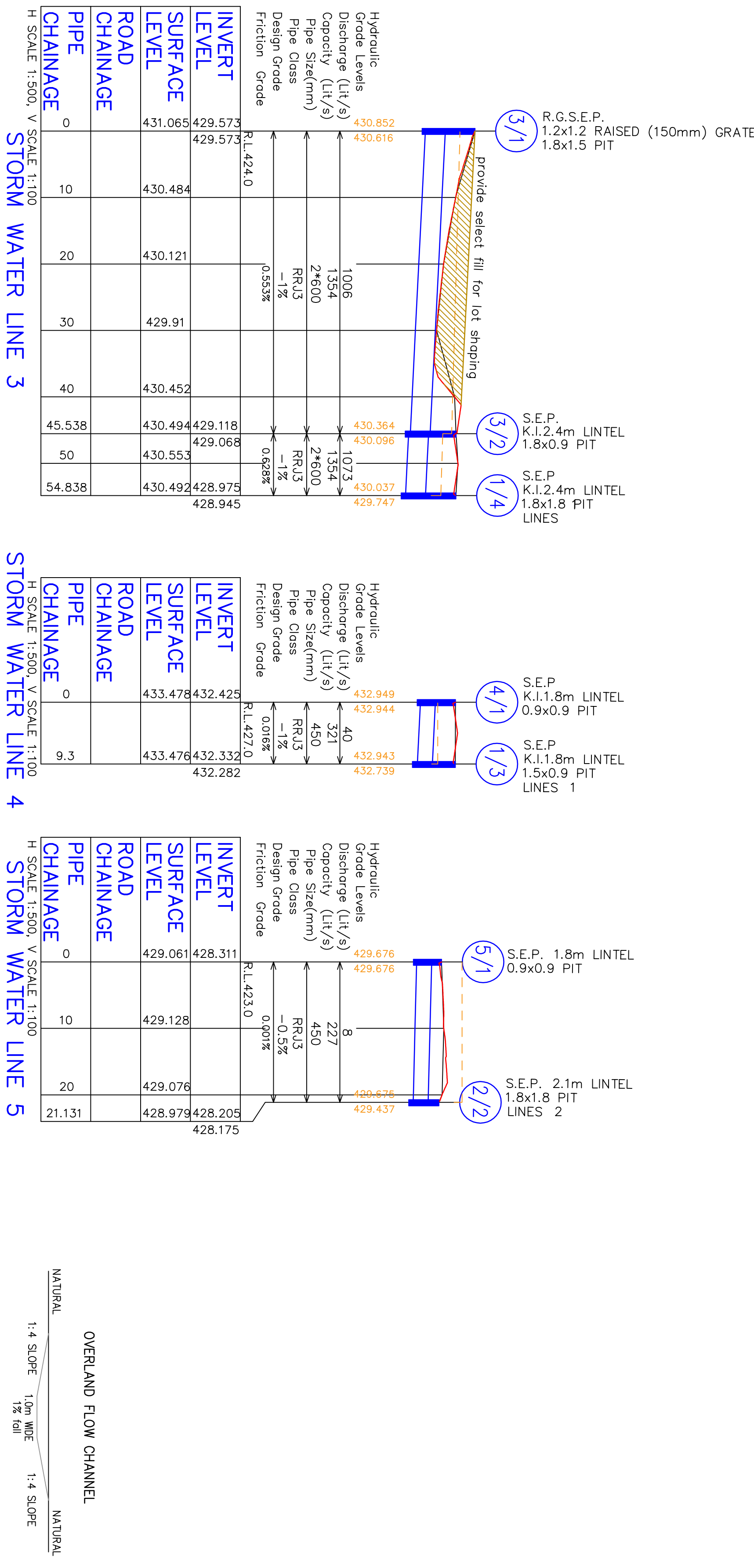


		NAME:		DATE: 18th Mar, 2025		CHECKED: MCM		<div><div>GOULBURN: 4823 5700 YOUNG: 6382 1501 THE LAND CONSULTANT SPECIALISTS www.srdland.com.au</div></div>															
		SIGNATURE:		DRAWN: WJC		APPROVED:																	
		CAPACITY:		DATE:																			
		DATE:		DATE:																			
A		version k, roads, storm water, sewer, water-REQUIREMENT DESIGN NOT FOR CONSTRUCTION						18th Mar, 2025		DESIGNED: WJC		SCALE: 1:500/100		SHEET: A1		PROJECT: PROPOSED SUBDIVISION OF LOT 12 DP 619259, 12 SMITH ST, HARDEN							
ISSUE		AMENDMENT						DATE		WJC		1:200/200		A1		CLIENT: Mr. Amir		PROJECT NO: 40280		SHEET NO: 7 of 18		SHEET: A1	



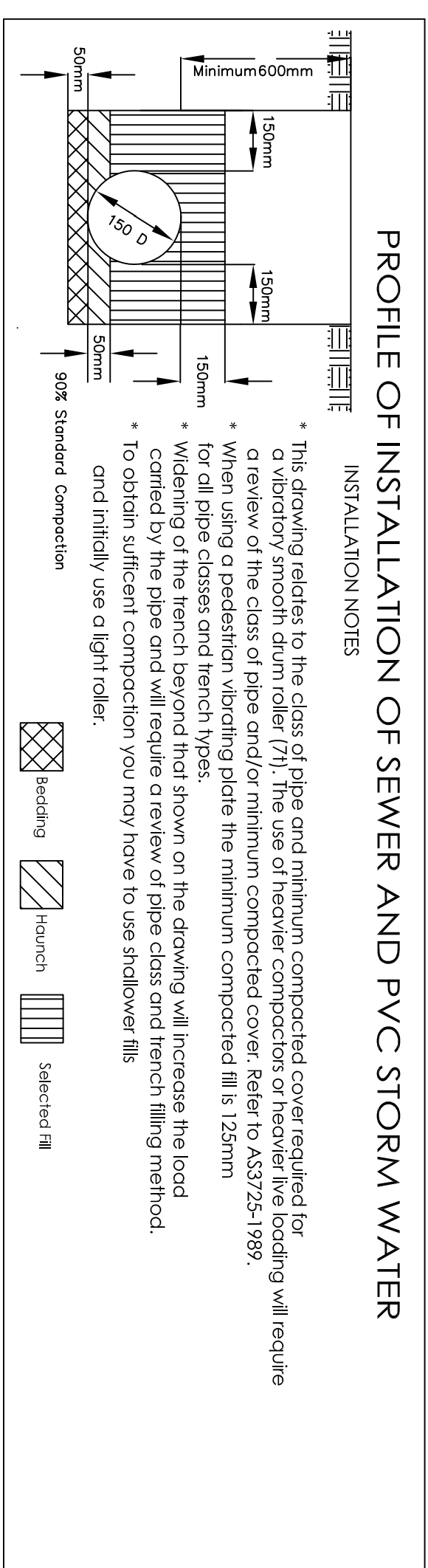
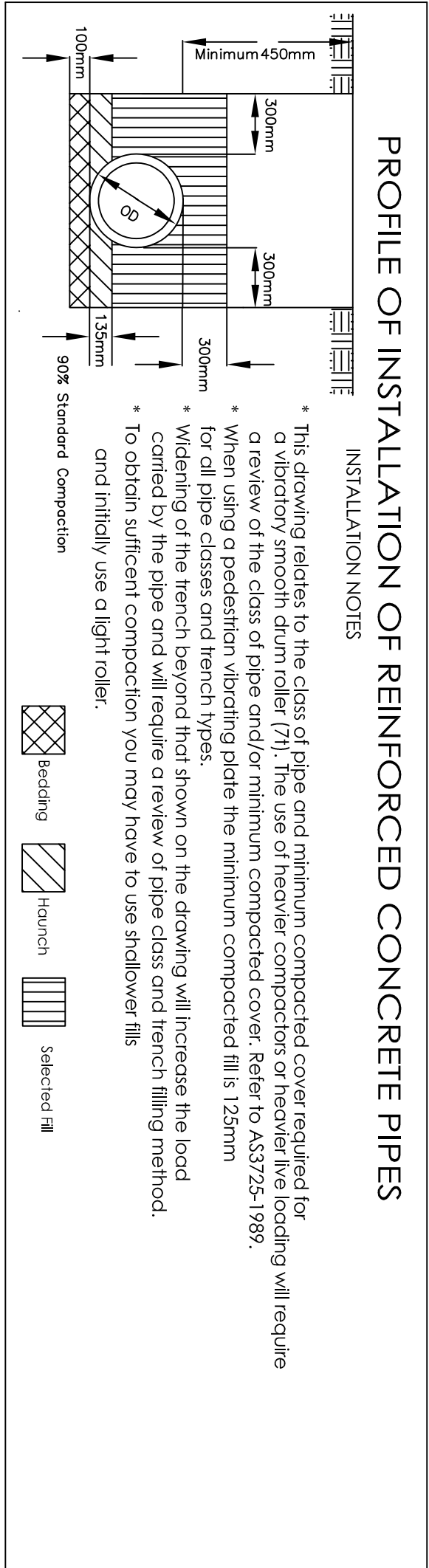
STORM WATER LINE 1

STORM WATER LINE 2



STORM WATER LINE 4

STORM WATER LINE 5



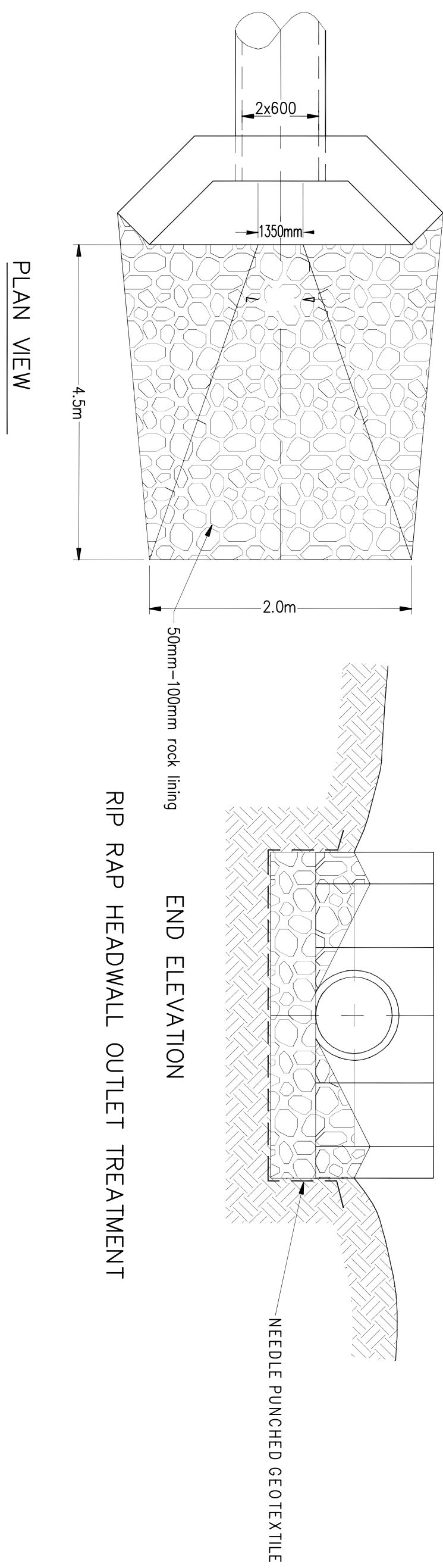
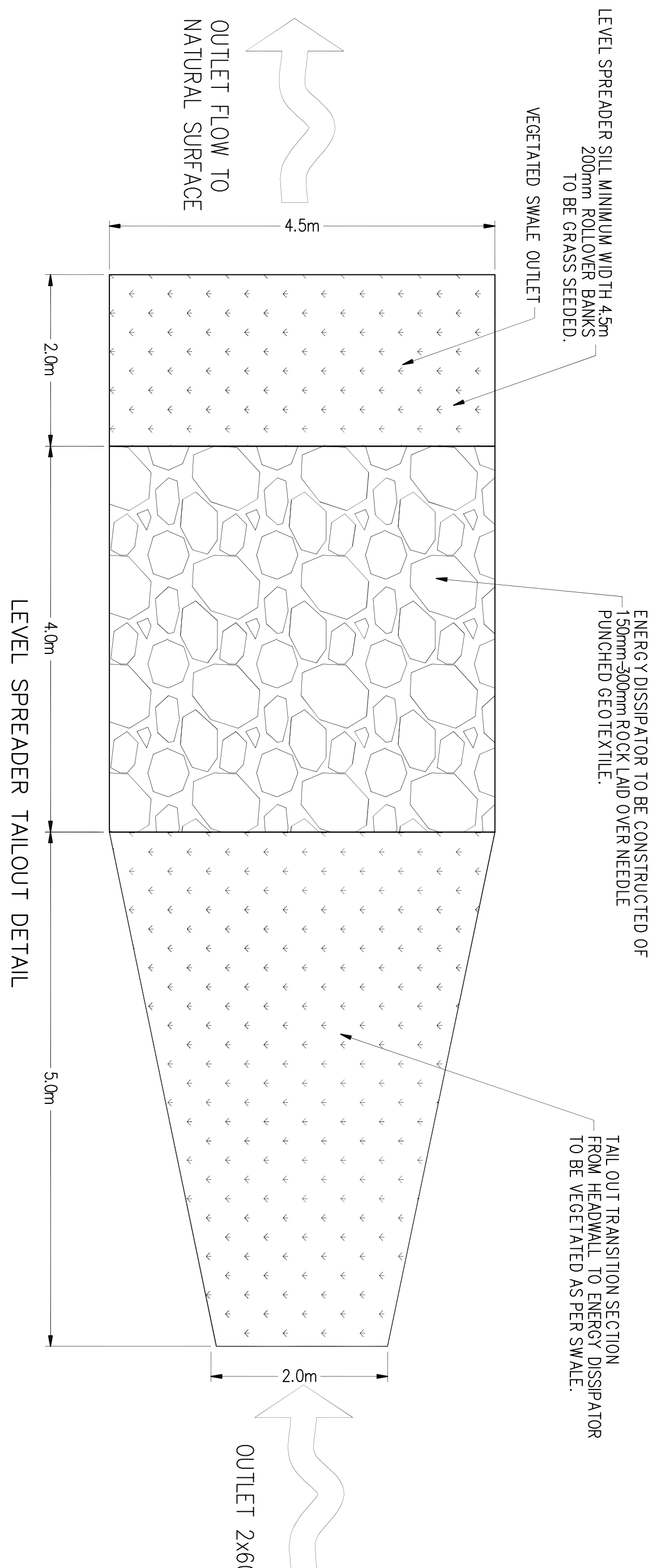
NAME:		DATE: 18th Mar, 2025		CHECKED: JMK	
SIGNATURE:		DRAWN: WJC		APPROVED:	
CAPACITY:		DATE:		SCALE: 1:500/100	
DESIGNED: WJC		SCALE: 1:500/100		SHEET: A1	
GOLDBURN: 4823 5100 YOUNG: 6382 1501					
THE LAND CONSULTANT SPECIALISTS					
WWW.SRLAND.COM.AU					
SHEET SUBJECT: STORM WATER LONG SECTIONS		CLIENT: Mr. Amir		PROJECT: PROPOSED SUBDIVISION OF LOT 12 DP 619259, 12 SMITH ST, HARDEN	
ISSUE: A		PROJECT NO: 40280		SHEET NO: 9 of 18	
SHEET: A1		SHEET: A1		SHEET: A1	


HYDROLOGICAL DESIGN SHEET

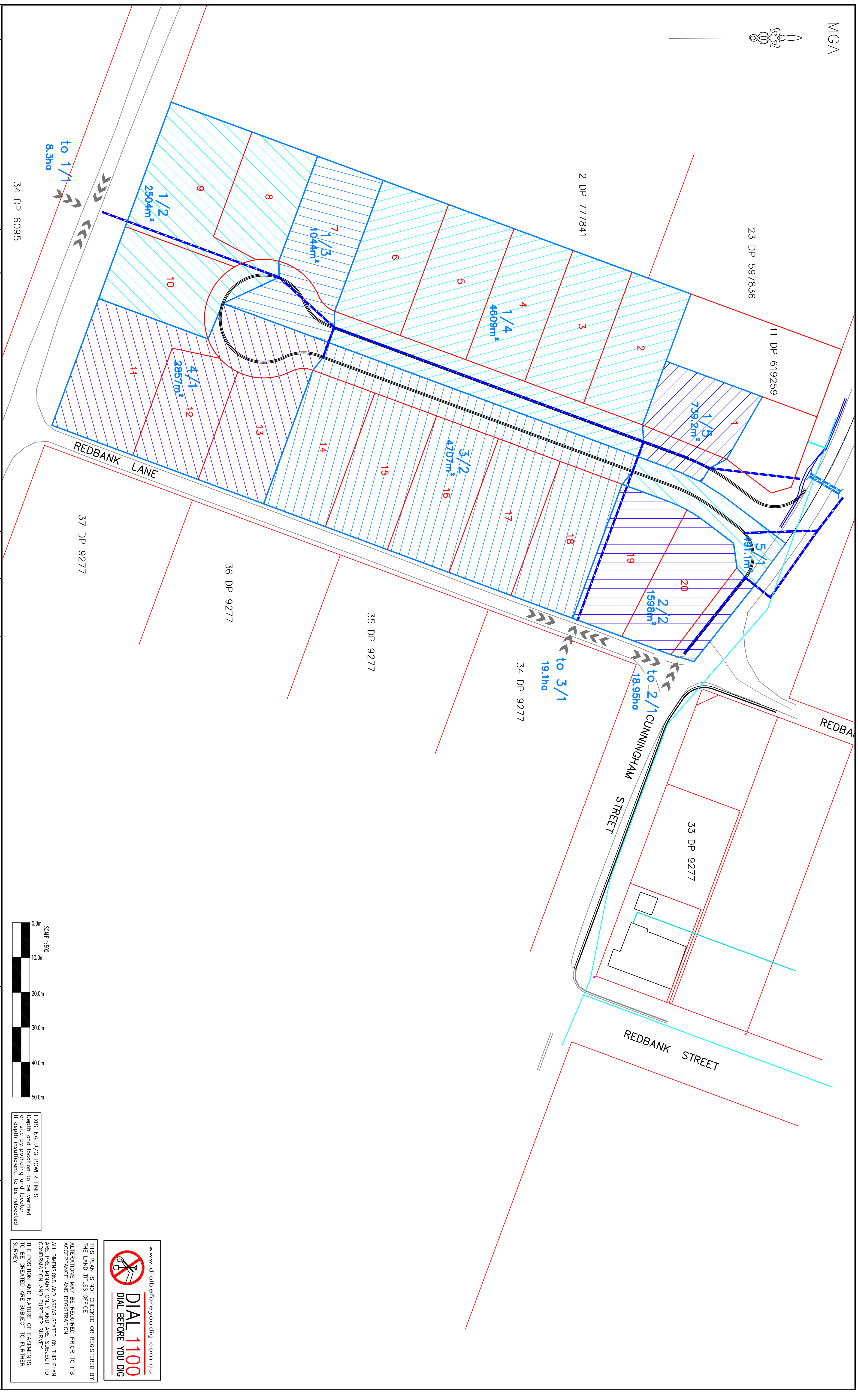
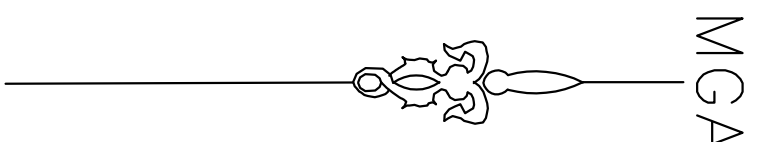
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HYDRAULIC DESIGN SHEET

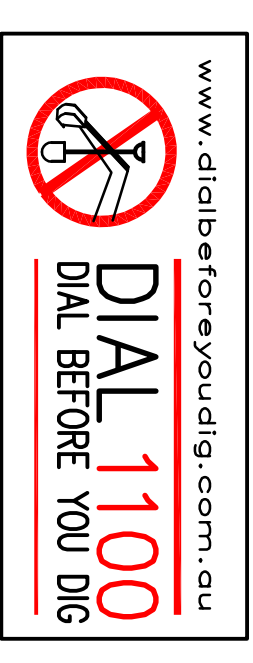
PIT	TIME	INTENSITY	AREAS	FLOW	LENGTH	DIAMETER	GRADE	H.G.L.GRADE	VEL	Q/A	K	HEAD LOSS	VEL CAP	PIPE VEL	PIPE CAP	PIPE TIME	C-C W. N-MANNINGS MAX TIME 20 TEST ONLY BY PASS-O AREA=SUM OF REMARKS
	min	mm/hr	ha	L/s	m	mm	%	%	m/s			m	m/s	m/s	L/s	min	
LINE 4 4/1-1/3	20	72 20ty	0.201	40	9.3 ND.012	457	1	0.016	0.246	1.5	0.005	1.962	1.34	322	0.12		
LINE 3 3/1-3/2	20	72 20ty	5.007	1007	45.538 2 ND.012	604	1	0.553	1.757	1.5	0.236	2.363	2.58	1354	0.29		
3/2-1/4	20	72 20ty	5.337	1073	9.3 604 ND.012	604	1	0.628	1.873	1.5	0.268	2.363	2.62	1354	0.06		
LINE 1 1/1-1/2	20	72 20ty	2.156	433	53.95 ND.012	457	4	1.814	2.643	1.5	0.534	3.924	4.21	644	0.21		
1/2-1/3	20	72 20ty	2.346	472	21.302 2 ND.012	457	3	0.537	1.438	1.5	0.158	3.398	3.26	1115	0.11		
1/3-1/4	20	72 20ty	2.652	535	ND.012	477	3.5	0.691	1.631	1.5	0.204	3.671	3.56	1204	0.44		
1/4-1/5	20	72 20ty	8.335	1674	20.464 ND.012	450 1350BC	1	0.679	1.947	1.5	0.29	2.363	2.63	2031	0.13		
1/5-1/6	20	72 20ty	8.353	1685	25.977 ND.012	450 1350BC	1	0.689	1.961	1.5	0.294	2.363	2.64	2031	0.16		
LINE 5 5/1-2/2	15.9	81 20ty	0.036	8	21.31 ND.012	457	0.5	0.001	0.05	1.5	0	1.387	0.65	228	0.54		
LINE 2 2/1-2/2	20	72 20ty	4.872	979	28 ND.012	604 2	3.6	0.523	1.709	1.5	0.224	4.484	4.18	2569	0.11		
2/2-2/3	20	72 20ty	5.026	1011	ND.012	604	1	0.557	1.763	1.5	0.238	2.363	2.58	1354	0.06		
2/3-2/4	20	72 20ty	5.026	1011	23.454 2 ND.012	604	1	0.557	1.763	1.5	0.238	2.363	2.58	1354	0.15		
2/4-2/5	20	72 20ty	5.026	1011	11.844 2 ND.012	604	1	0.557	1.763	1.5	0.236	2.363	2.58	1354	0.08		



		SHEET SUBJECT		PROJECT	
		STORM WATER HYDRAULICS & HYDROLOGY		PROPOSED SUBDIVISION OF LOT 12 DP 619259, 12 SMITH ST, HARDEN	
		DA XXX/YYY			
CLIENT	ISSUE	PROJECT NO.	SHEET NO.	SHEET	
Mr. Amir	A	40280	10 of 18	A1	
<div><div><p>SRD LAND CONSULTING</p></div><div><p>GOULBURN, 4823 5100 YOUNG, 6382 1501</p><p>THE LAND CONSULTANT SPECIALISTS</p><p>www.srland.com.au</p></div></div>					
		DESIGNED SCALE SHEET			
		W/C 1:500/100 A1			
		DATE: 18th Mar, 2025			
		BRAM APPROVED			
		CAPACITY:			
		DATE:			
		I HEREBY CERTIFY THAT ENGINEERING WORKS SHOWN ON THIS PLAN ARE WORK-AS-EXECUTED AND HAVE BEEN CONSTRUCTED GENERALLY IN ACCORDANCE WITH THE CONDITIONS AND SPECIFICATIONS APPROVED BY THE DIRECTOR, IN ACCORDANCE WITH THE GENERAL REQUIREMENTS			
		COPYRIGHT IS NOT TO BE COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF C.P.C. LAND DEVELOPMENT CONSULTANTS PTY LTD			
		version A, roads, storm water, water-PRELIMINARY DESIGN NOT FOR CONSTRUCTION			
		AGREEMENT DATE 18th Mar, 2025			
		ISSUE			



EXISTING U/G POWER LINES
Depth and location to be verified on site by potholing and locator if depth insufficient, to be relocated




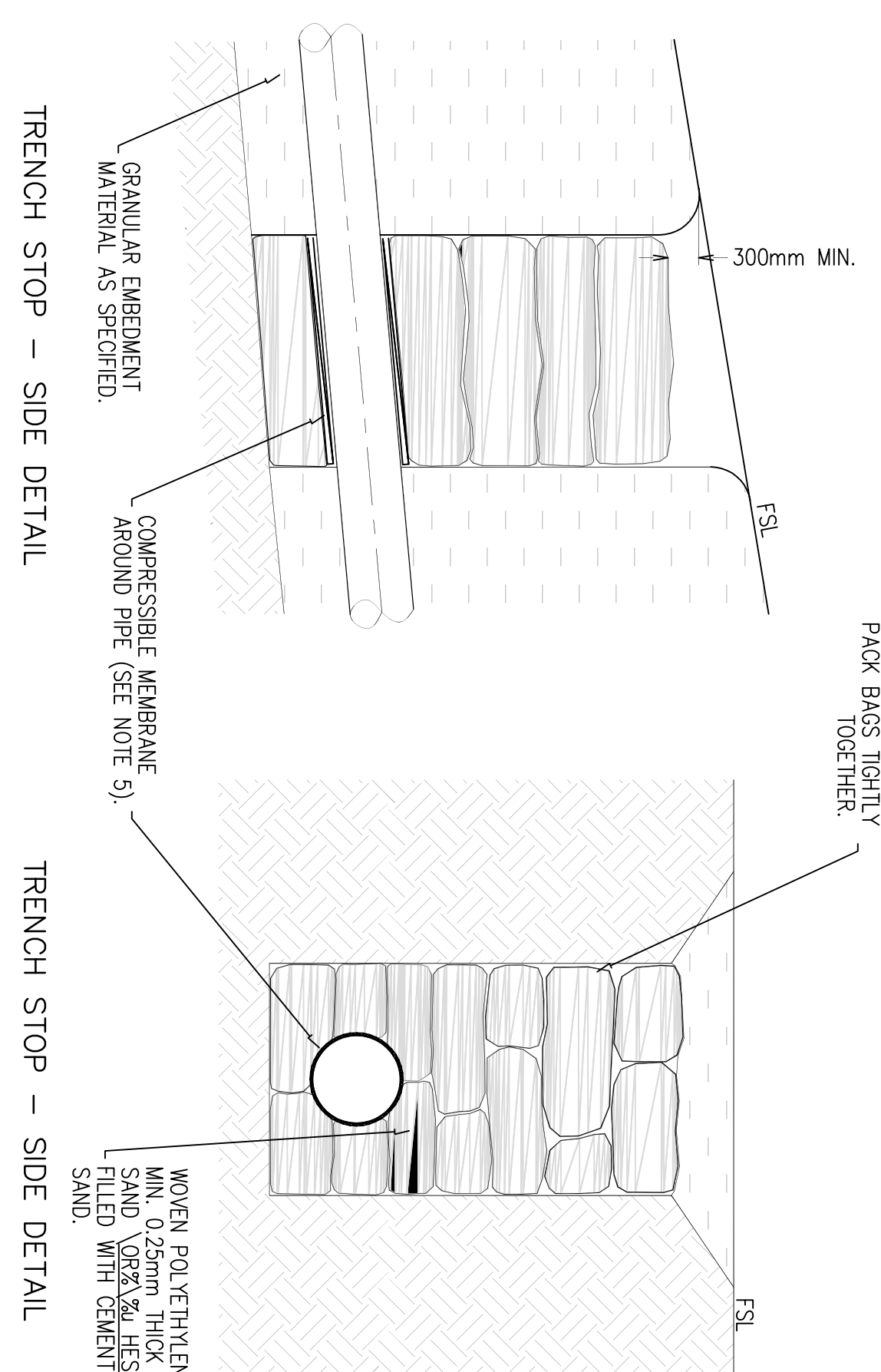
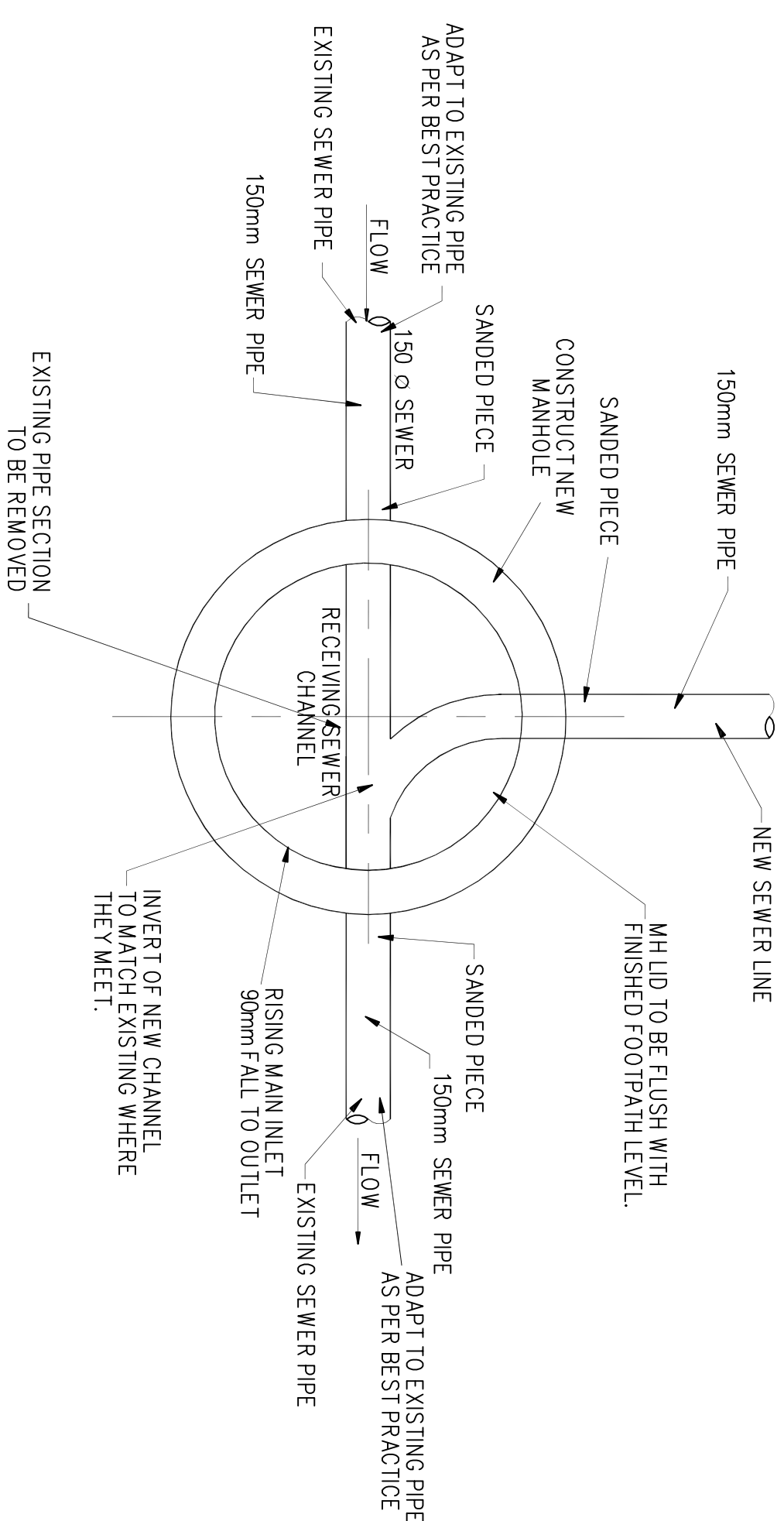
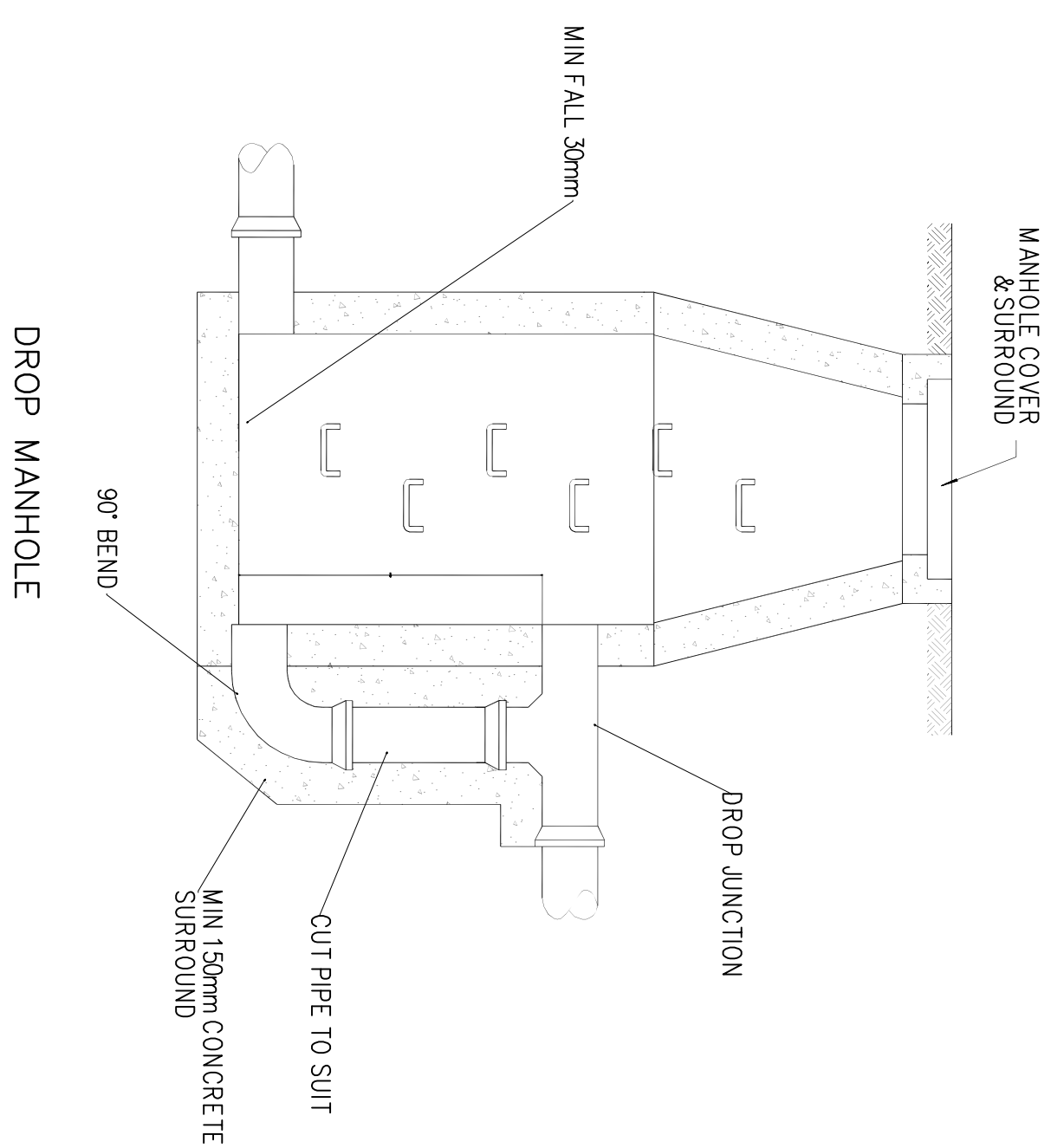
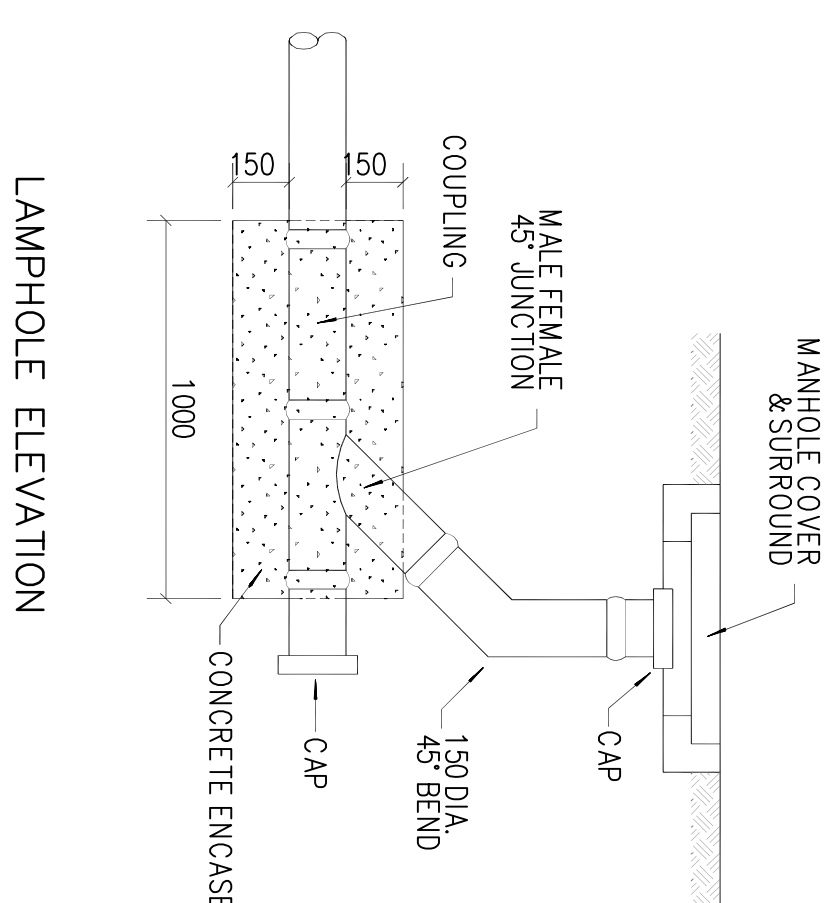
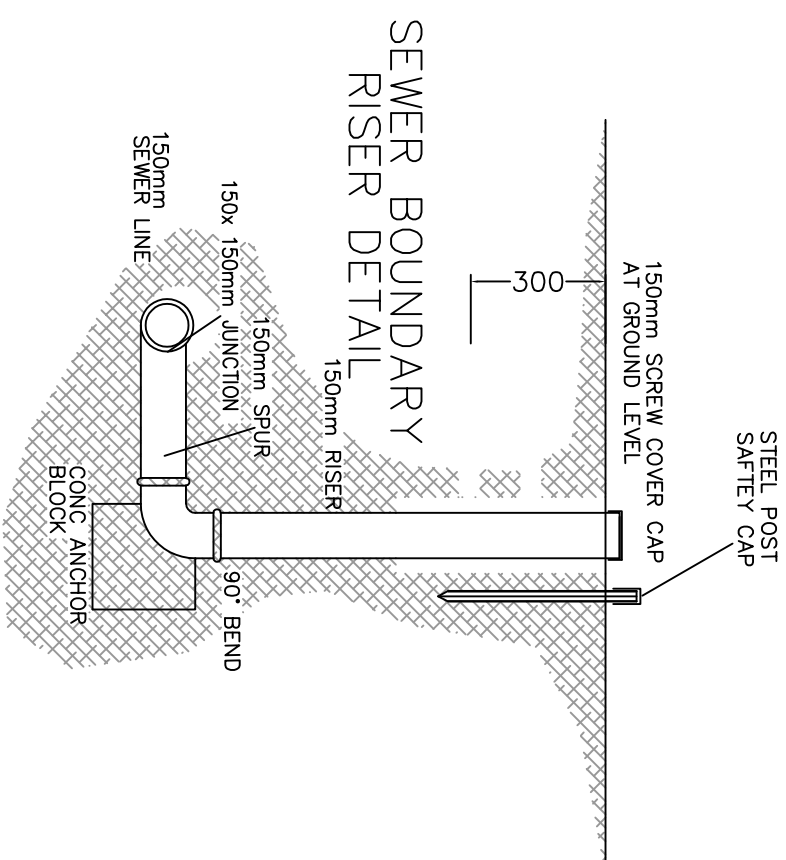
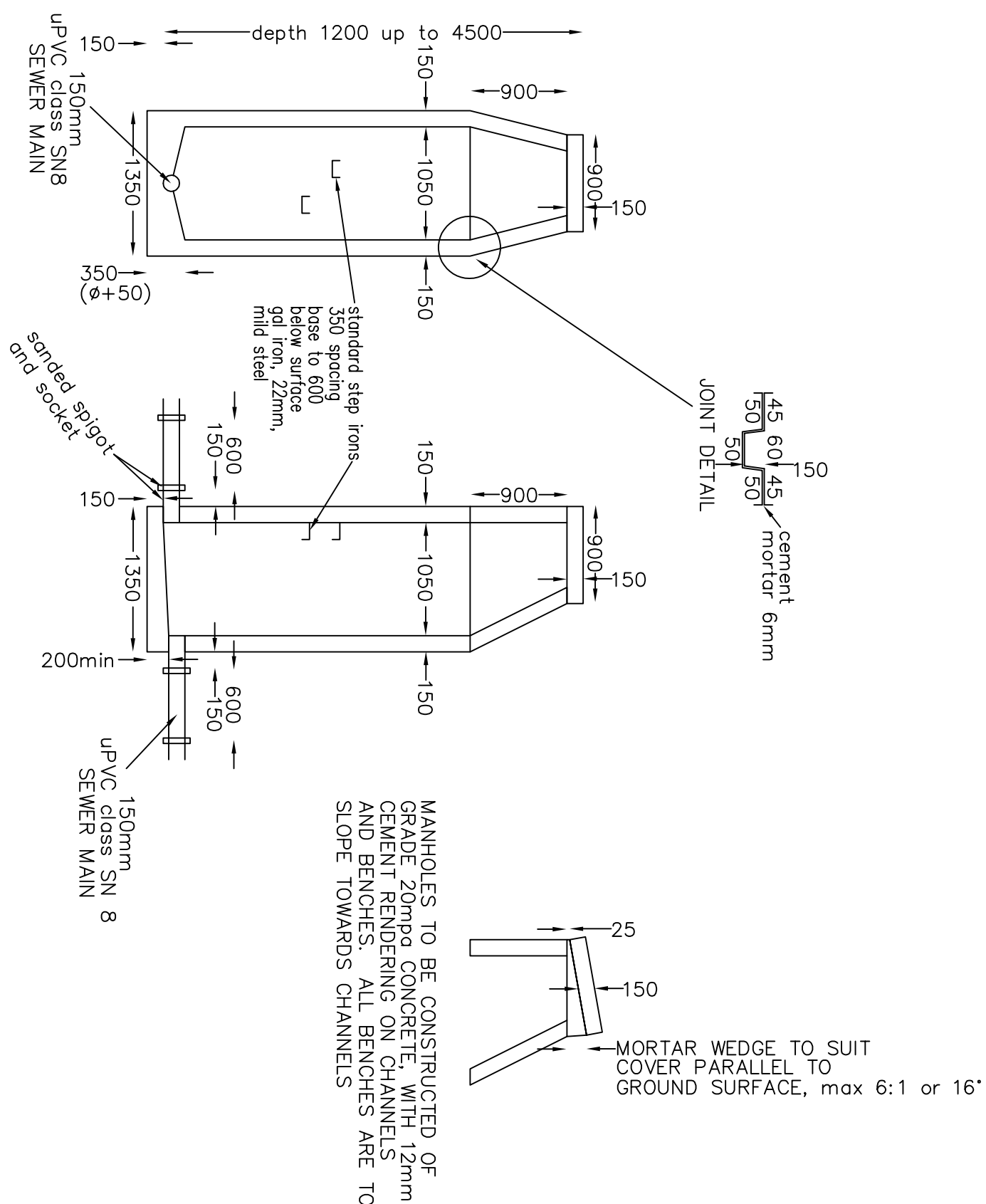
THIS PLAN IS NOT CHECKED OR REGISTERED BY THE LAND TITLES OFFICE.

ALTERATIONS MAY BE REQUIRED PRIOR TO ITS ACCEPTANCE AND REGISTRATION

ALL DIMENSIONS AND AREAS STATED ON THIS PLAN ARE RELATIVE TO A CORNER SUBJECT TO CONFIRMATION AND FURTHER SURVEY.

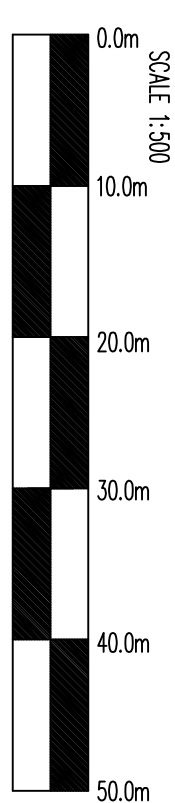
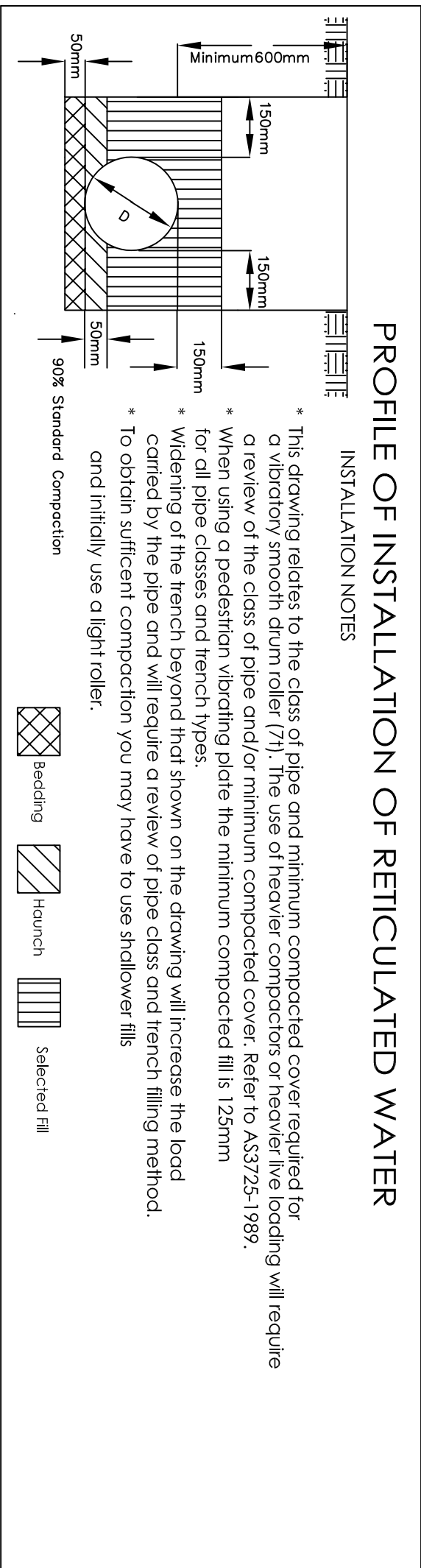
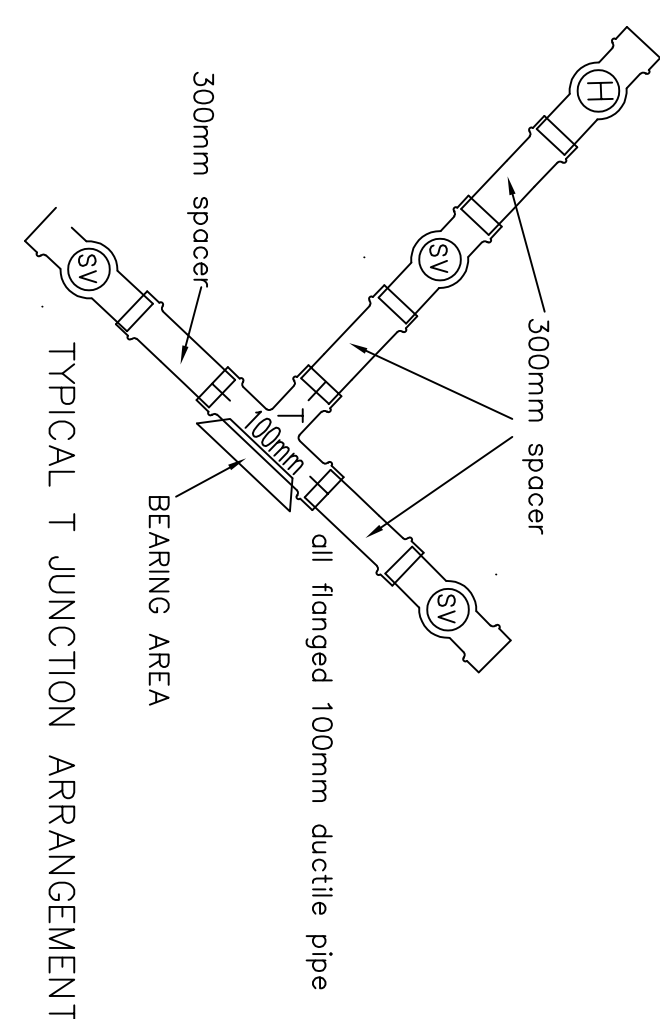
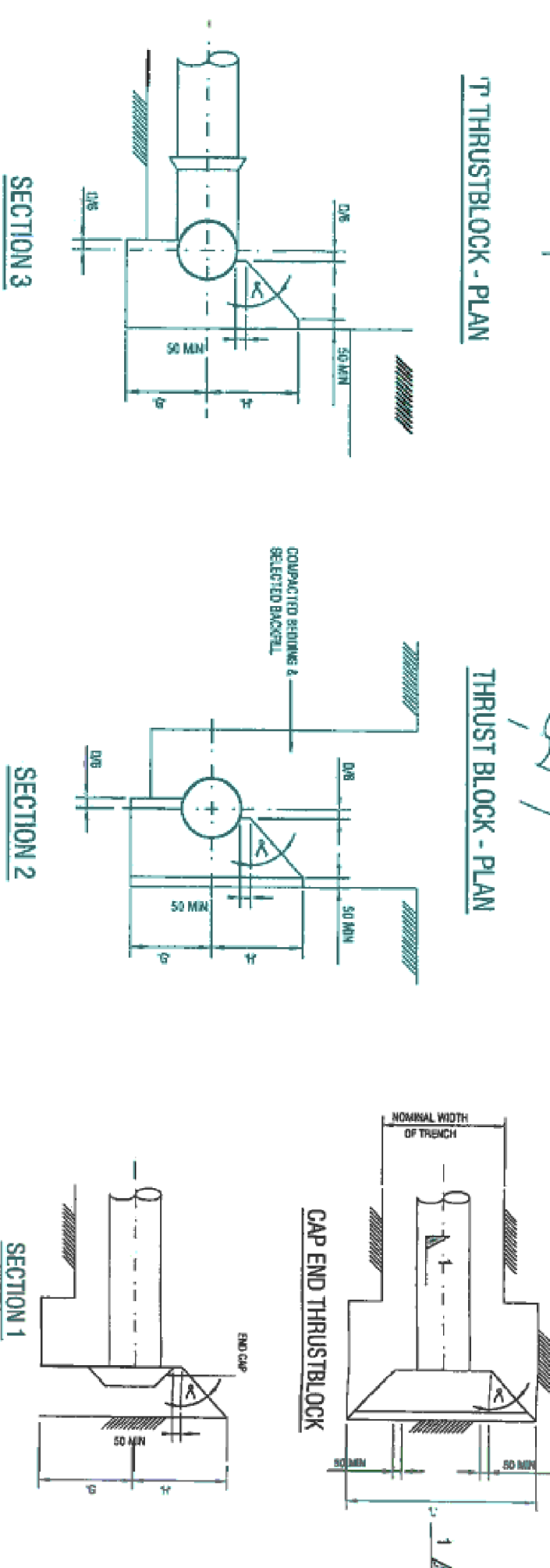
THE POSITION AND NATURE OF EASEMENTS TO BE CREATED ARE SUBJECT TO FURTHER SURVEY

		DATE		CHECKED	<div><p>SRD LAND CONSULTING</p><p>GOULBURN: 4823 5700 YOUNG: 6382 1501 THE LAND CONSULTANT SPECIALISTS www.srdland.com.au</p></div>
		18th Mar, 2025		JLM	
		DRAW		APPROVED	
		W/C			
		DATE:			
I HEREBY CERTIFY THAT ENGINEERING WORKS SHOWN ON THIS PLAN ARE WORK-AS-EXECUTED AND HAVE BEEN CONSTRUCTED GENERALLY IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS PROVIDED IN THE ACCOMPANYING CAPACITY WITH THE GENERAL REQUIREMENTS		NAME:			
		SIGNATURE:			
		CAPACITY:			
		DATE:			
A		version A: roads, storm water sewer, waterPRELIMINARY DESIGN NOT FOR CONSTRUCTION			
ISSUE		ACCOMMOD		DATE	
		18th Mar, 2025			
		DESIGNED		SCALE	SHEET
		W/C		1:500	A1
		SHEET SUBJECT			
		PROJECT			
		CATCHMENT PLAN			
		PROPOSED SUBDIVISION OF LOT 12 DP 619259, 12 SMITH ST, HARDEN			
		DA XXX/YYY			
		CLIENT	ISSUE	PRODUCT NO.	SHEET NO.
		Mr. Amir	A	40280	11 of 18
					A1




1. CONSTRUCT TRENCH STOPS AT LOCATIONS SPECIFIED ON THE SEWER PROFILES.
2. SEAL BAGS TO PREVENT LEAKAGE OF CONTAINED MATERIAL.
3. DO NOT DEFORM PIPES DURING PLACEMENT OF TRENCH STOPS.
4. PROVIDE CONTINUOUS DRAINAGE PATH THROUGH TRENCH STOPS AND BULKHEADS, AROUND MANHOLES AND IN TRENCH EXCAVATIONS ACROSS ROADWAYS.
5. COMPRESSIBLE MEMBRANE AROUND PIPE TO BE 3mm THICK RUBBER FOR TRENCH STOPS.

	<p>I HEREBY CERTIFY THAT ENGINEERING WORKS SHOWN ON THIS PLAN ARE WORK-AS-EXECUTED AND HAVE BEEN CONSTRUCTED GENERALLY IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY ME OR MY DELEGATEE IN ACCORDANCE WITH THE GENERAL REQUIREMENTS</p> <p>NAME: SIGNATURE: CAPACITY:</p> <p>DATE:</p>					
-		DATE 18th Mar. 2025	CHECKED JMAL			
-		DRAWN WJC	APPROVED			
-		SCALE 1:500/100	SHEET A1			
A	version A: roads, storm water, sewer, water; PRELIMINARY DESIGN NOT FOR CONSTRUCTION	DESIGNED WJC		GOULBURN: 4823 5700 YOUNG: 6392 1501 THE LAND CONSULTANT SPECIALISTS www.srland.com.au		
ISSUE AMENDMENT		DATE 18th Mar. 2025		CLIENT Mr. Amir		
				PROJECT DA XXX/YYY	PROPOSED SUBDIVISION OF LOT 12 DP 619259, 12 SMITH ST., HARDEN	
				PROJECT NO. 40280	SHEET NO. 13 of 18	SHEET A1

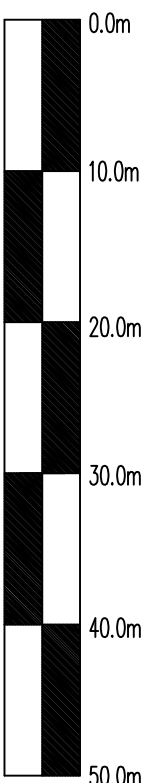


STATION	VERTICAL SCALE	INVERT LEVEL	SURFACE LEVEL	ROAD CHAINAGE	PIPE CHAINAGE
0		429.492	428.792		
10		429.659			
10.955		429.737	429.037		
12.156		429.691	428.991		
20		429.3			
24.806		429.134	428.434		
30		429.261			
33.84		429.375			
40		429.647			
46.949		429.995			
50		430.133			
60		430.576	429.876		
70		430.975			
77.76		431.247	430.547		
327.838		431.324			
90		431.631			
100		431.931			
110		432.231			
120		432.53	431.83		
130		432.831			
140		433.13			
150		433.426			
155.266		433.577			
160		433.705			
164.643		433.834			
170		433.972			
180		434.203	433.503		
190		434.332			
197.199		434.37	433.67		
200		434.369			
210		434.286			
220		434.09			
229.755		433.834			
230		433.825			
239.132		433.577			
240		433.547	432.847		
250		433.261			
260		432.962			
270		432.662			
280		432.362			
290		432.062			
300		431.762			
310		431.459			
316.638		431.247	430.547		
320		431.19			
327.838		431.247	430.547		
77.76					

WATER MAIN

		I HEREBY CERTIFY THAT ENGINEERING WORKS AND DESIGN HAVE BEEN PREPARED AND CHECKED AND HAVE BEEN CONSTRUCTED GENERAL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE DIRECTOR, IN ACCORDANCE WITH THE GENERAL REQUIREMENTS				NAME: SIGNATURE: CAPACITY: DATE:	DATE 18th Mar, 2025	CHECKED JMCM						
							DESIGNED W/C	SCALE 1:500/100	SHEET A1					
A	version 4c, roads, storm water, sewer, water-PRELIMINARY DESIGN NOT FOR CONSTRUCTION	18th Mar, 2025												
ISSUE	AMENDMENT	DATE												
<div><div><div>SRD LAND CONSULTING</div></div><p>GOLBURN, 4823 5100 YONGE, 6382 1501 THE LAND CONSULTANT SPECIALISTS www.srland.com.au</p></div>														
SHEET SUBJECT							PROJECT							
POTABLE WATER LONG SECTIONS							PROPOSED SUBDIVISION OF LOT 12 DP 619259, 12 SMITH ST, HARDEN							
CLIENT							DA XXX/YYY							
Mr. Amir							ISSUE	PROJECT NO.	SHEET NO.	SHEET				
							A	40280	14 of 18	A1				

MGA




AREA OF LAND SHAPING SHOWN BROWN
AREA FILL: 3800sqm
VOL FILL: 425cu
MAX DEPTH 600mm

MGA



EXISTING U/G POWER LINES
Depth and location to be verified on site by potholing and locator. If depth insufficient, to be relocated.

 **DIAL 1100**
DIAL BEFORE YOU DIG


www.dialbeforeyoudig.com.au

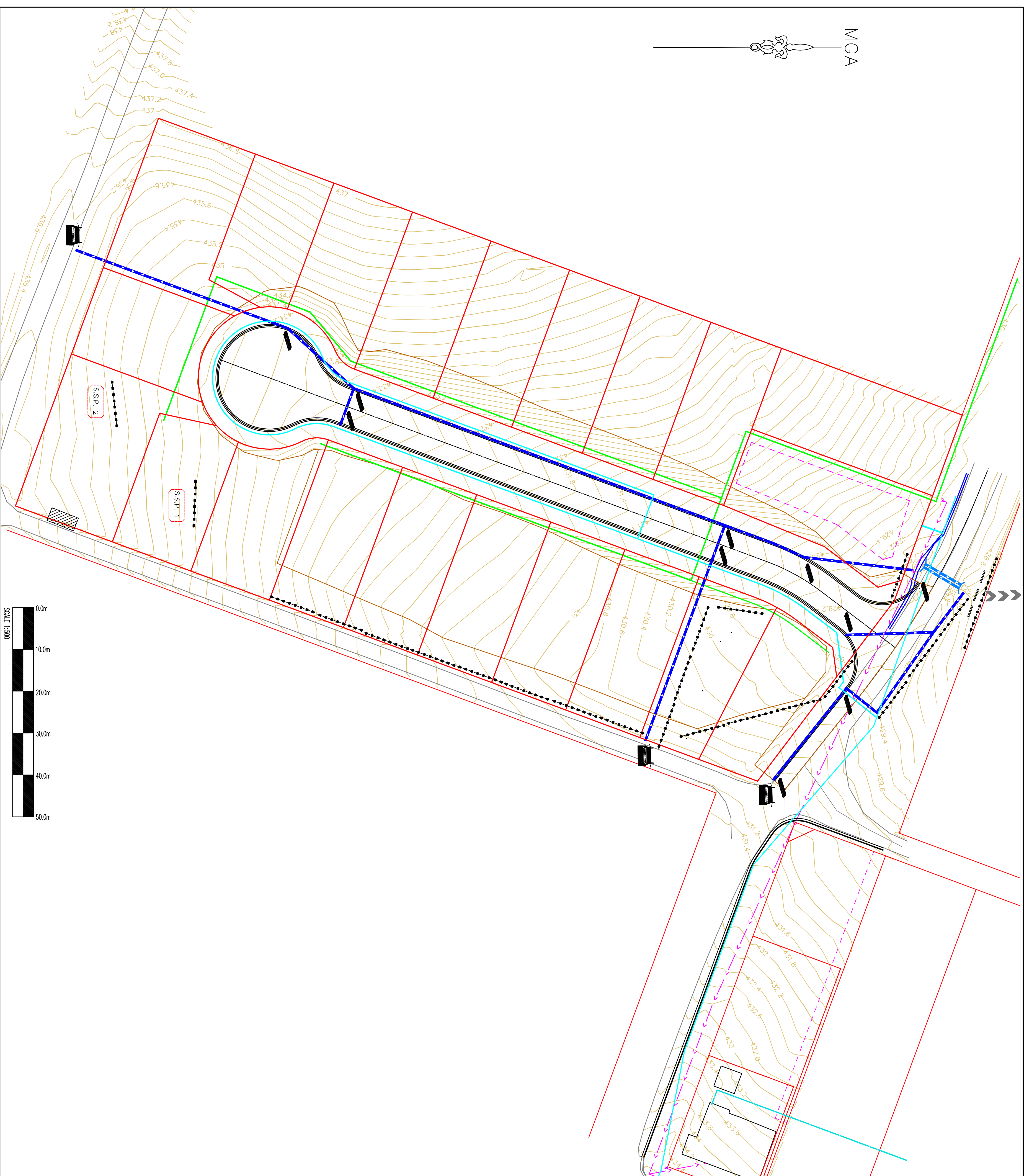
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THE POSITION AND NATURE OF EASEMENTS TO BE CREATED ARE SUBJECT TO FURTHER SURVEY

		I HEREBY CERTIFY THAT ENGINEERING WORKS SHOWN ON THIS PLAN ARE WORK-AS-EXECUTED AND HAVE BEEN CONSTRUCTED GENERALLY IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE DEPARTMENT OF WATER AND POWER IN ACCORDANCE WITH THE GENERAL REQUIREMENTS		NAME:	SIGNATURE:	CAPACITY:	DATE:			
-	-	-	-	18th Mar. 2025	JMAL	APPROVED	DESIGNED WJC	SCALE 1:500	SHEET A1	<div><p>SRD LAND CONSULTING</p><p>GOULBURN: 4823 5700 YOUNG: 6382 1501</p><p>THE LAND CONSULTANT SPECIALISTS</p><p>www.srdland.com.au</p></div>
-	-	-	-	18th Mar. 2025	JMAL	APPROVED	DESIGNED WJC	SCALE 1:500	SHEET A1	
-	-	-	-	18th Mar. 2025	JMAL	APPROVED	DESIGNED WJC	SCALE 1:500	SHEET A1	
-	-	-	-	18th Mar. 2025	JMAL	APPROVED	DESIGNED WJC	SCALE 1:500	SHEET A1	
-	-	-	-	18th Mar. 2025	JMAL	APPROVED	DESIGNED WJC	SCALE 1:500	SHEET A1	
A	version A: roads, storm water, sewer, water	PRELIMINARY DESIGN NOT FOR CONSTRUCTION	18th Mar. 2025	DATE						
ISSUE	AMENDMENT									
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SHEET SUBJECT: AREA OF LOT FILLING FOR DRAINAGE REDIRECTION TO ROAD KERB AND GUTTER										
PRODUCT: PROPOSED SUBDIVISION OF LOT 12 DP 619259, 12 SMITH ST, HARDEN										
DA XXX/YYY										
CLIENT: Mr. Amir										
ISSUE: A										
PROJECT NO. 40280										
SHEET NO. 15 of 18										
SHEET A1										



STANDARD SYMBOLS	
<u>EROSION AND SEDIMENT CONTROL PLANS</u>	
Perimeter Bank.....	
Diversion Bank	
Level Spreader	
Waterway — natural grassed	
— constructed grassed	
— constructed grass with check dam,	
Sediment Basin	
Sediment Trap	
Sediment Fence.....	
Straw Bale Sediment Filter	
Temporary Construction Exit	
Vegetative Filter Strip	
Soil Stock Pile	
Limit of Clearing and Grading	
Catchment Boundary	
Portable Gravel Sediment Trap	
Geotextile filter pit surround	

[illegible]

