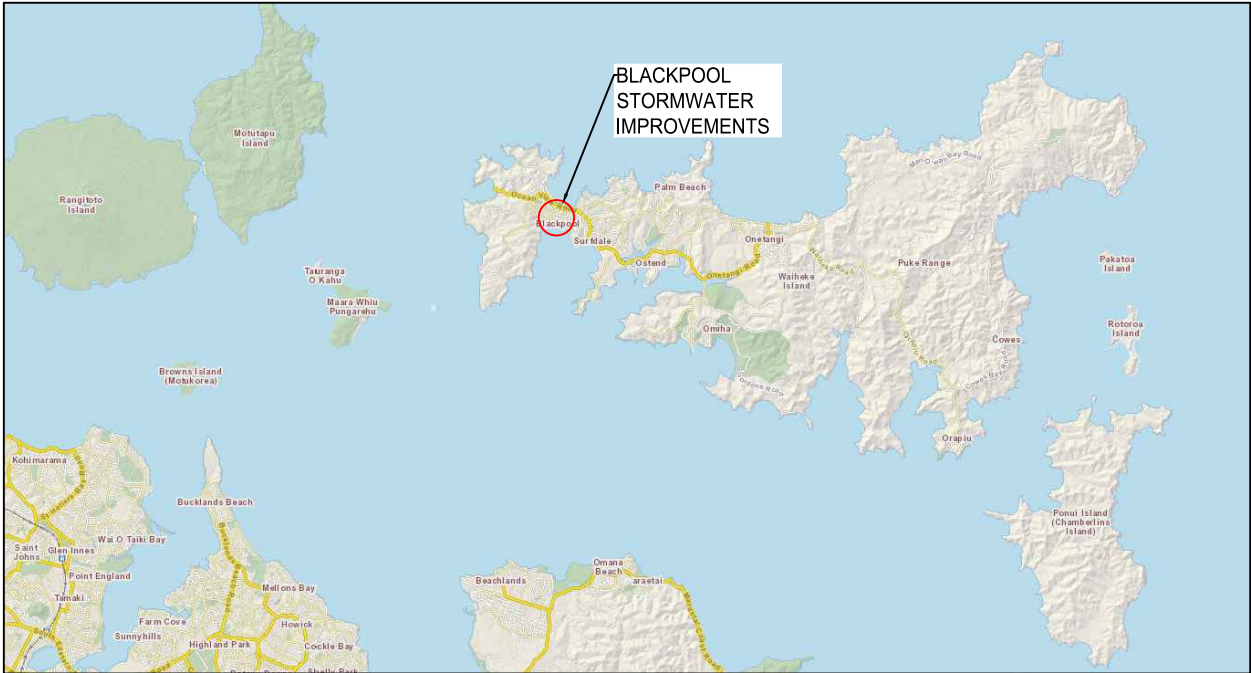


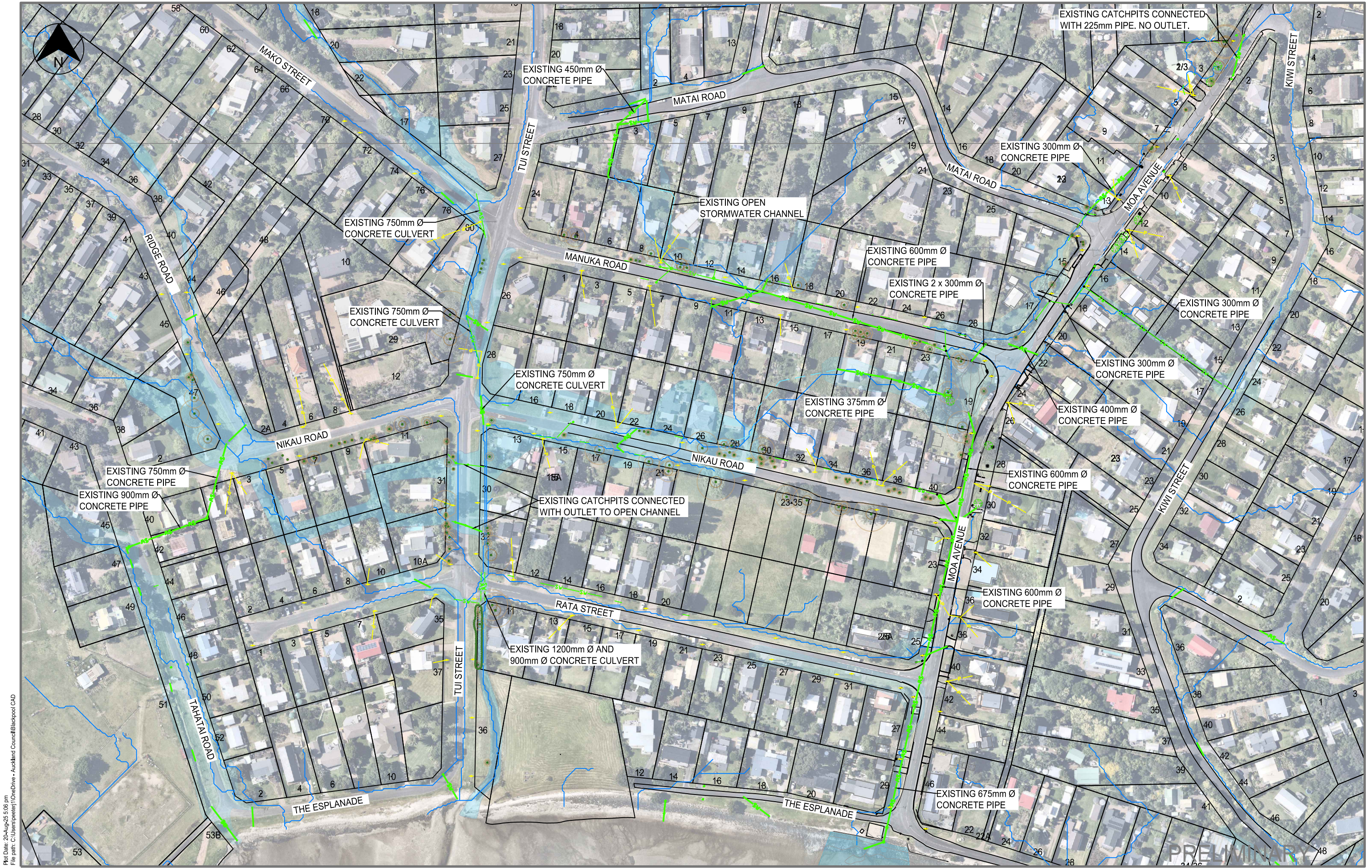
BLACKPOOL CATCHMENT, WAIHEKE ISLAND

BLACKPOOL DRAWING REGISTER			
DRAWING NO.	TITLE		
	OVERVIEW PLANS		
N.007799.60.01-G001	COVER SHEET AND DRAWING LIST		
N.007799.60.01-C001	OVERVIEW PLAN		
N.007799.60.01-C003	PROPOSED WORKS OVERVIEW		
	TUI ST - NIKAU RD SW IMPROVEMENTS		
	TUI ST - NIKAU RD - PLAN AND LONGSECTIONS		
N.007799.60.01-C110	TUI ST TO NIKAU RD - PLAN AND LONGSECITON - INDEX		
N.007799.60.01-C111	TUI ST TO NIKAU RD - PLAN AND LONGSECTION - SHEET 1 OF 4		
N.007799.60.01-C112	TUI ST TO NIKAU RD - PLAN AND LONGSECTION - SHEET 2 OF 4		
N.007799.60.01-C113	TUI ST TO NIKAU RD - PLAN AND LONGSECTION - SHEET 3 OF 4		
N.007799.60.01-C114	TUI ST TO NIKAU RD - PLAN AND LONGSECTION - SHEET 4 OF 4		
	TUI ST - NIKAU RD - CROSS SECTIONS		
N.007799.60.01-C121	TUI ST TO NIKAU RD - CROSS SECTIONS - SHEET 1 OF 4		
N.007799.60.01-C122	TUI ST TO NIKAU RD - CROSS SECTIONS - SHEET 2 OF 4		
N.007799.60.01-C123	TUI ST TO NIKAU RD - CROSS SECTIONS - SHEET 3 OF 4		
N.007799.60.01-C124	TUI ST TO NIKAU RD - CROSS SECTIONS - SHEET 4 OF 4		
	MOA AVE NORTH SW IMPROVEMENTS		
	MOA AVE NORTH - PLAN AND LONGSECTIONS		
N.007799.60.01-C210	MOA AVE NORTH - PLAN AND LONGSECTION - INDEX		
N.007799.60.01-C211	MOA AVE NORTH - PLAN AND LONGSECTION - SHEET 1 OF 2		
N.007799.60.01-C212	MOA AVE NORTH - PLAN AND LONGSECTION - SHEET 2 OF 2		
	MOA AVE NORTH - CROSS SECTIONS		
N.007799.60.01-C221	MOA AVE NORTH - CROSS SECTIONS - SHEET 1 OF 2		
N.007799.60.01-C222	MOA AVE NORTH - CROSS SECTIONS - SHEET 2 OF 2		
	BLACKPOOL STORMWATER IMPROVEMENT DETAILS		
N.007799.60.01-C701	TWIN 6m LONG DRIVEWAY CULVERT >0.5m COVER		
N.007799.60.01-C702	TWIN 12m LONG DRIVEWAY CULVERT >0.5m COVER		
N.007799.60.01-C705	ROAD PRECAST BOX CULVERT		
N.007799.60.01-C706	30 & 32 TUI STREET CULVERT		
N.007799.60.01-C710	OPEN CHANNEL CROSS SECTIONS - SHEET 1		
N.007799.60.01-C711	WATERWAY FEATURES		
N.007799.60.01-C731	INDICATIVE SITE COMPOUND LOCATION		



PRELIMINARY

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					DESIGNED BY: J PEETERS	SIGNED:	DATE: 17/12/2024		DRAWING No. N.007799.60.01.G001	REVISION B	
D	06/08/2025	S92 UPDATE	JP		CHECKED BY: A CUNNINGHAM	SIGNED:	DATE: 17/12/2024				
C	14/03/2025	PIPE ALIGNMENT UPDATED	JP		APPROVED FOR RELEASE BY: A CUNNINGHAM	SIGNED:	DATE: 17/12/2024				
B	11/02/2025	ADDED MHWS	JP								
A	17/12/2024	FOR CONSENT	JP	AC							
REVISION	DATE	AMENDMENT	BY	APPD.							

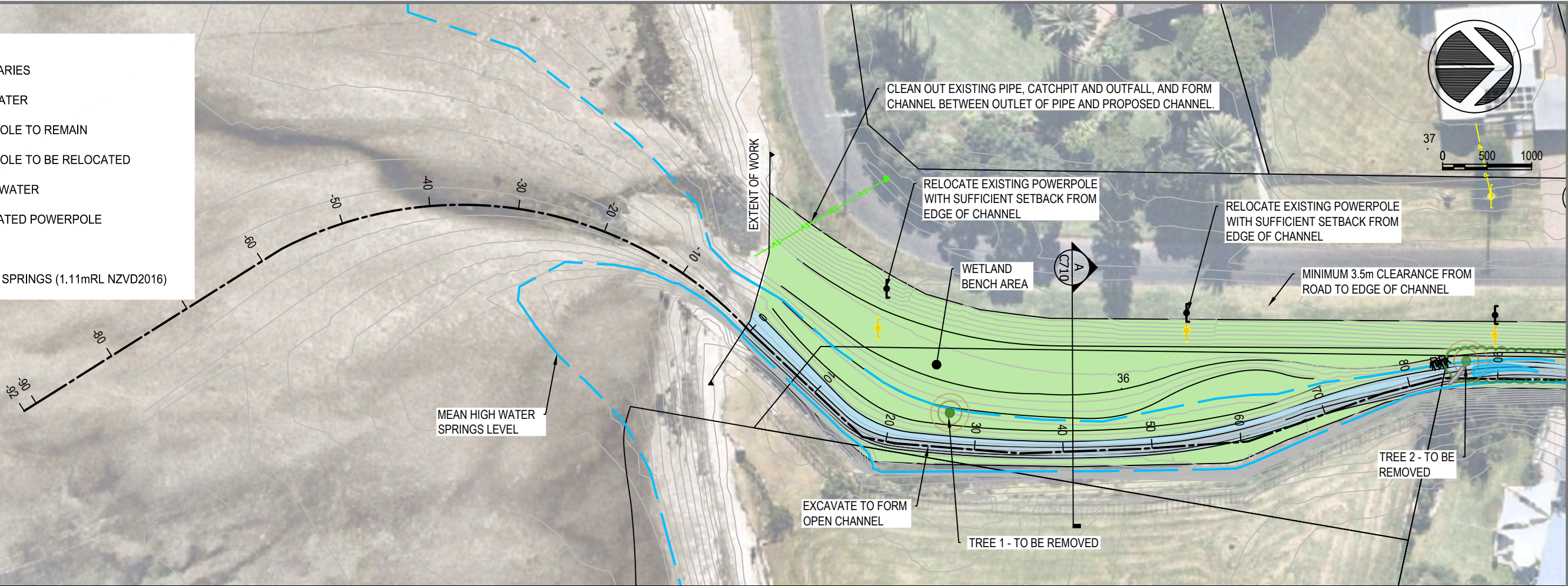


Plot Date: 20-Aug-25 5:06 pm
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				DRAWN BY: J PEETERS		SIGNED:	DATE: 17/12/2024	Healthy Waters Design Office AUCKLAND COUNCIL, LEVEL 3, BLEDISLOE HOUSE	Auckland Council Te Kaunihera o Tamaki Makaurau COPYRIGHT - This drawing, the design and concept, remain the exclusive property of Auckland Council and may not be used without approval. Copyright reserved.	TITLE: BLACKPOOL SW IMPROVEMENTS STAGE 1 OVERVIEW EXISTING SITE AND SERVICES	ORIGINAL SCALE A3		WBS No.	
				DESIGNED BY: J PEETERS		SIGNED:	DATE: 17/12/2024				SCALE 1:2000		N.007799.60	
				CHECKED BY: A CUNNINGHAM		SIGNED:	DATE: 17/12/2024				DRAWING No.		REVISION	
				APPROVED FOR RELEASE BY:		SIGNED:	DATE: 17/12/2024				N.007799.60.01.C001		A	
A 17/12/2024 FOR CONSENT				JP	AC									
REVISION	DATE	AMENDMENT		BY	APPD.	A CUNNINGHAM								

LEGEND

- PROPERTY BOUNDARIES
- EXISTING STORMWATER
- EXISTING POWER POLE TO REMAIN
- EXISTING POWER POLE TO BE RELOCATED
- PROPOSED STORMWATER
- PROPOSED RELOCATED POWERPOLE
- EXISTING TREES
- MEAN HIGH WATER SPRINGS (1.11mRL NZVD2016)



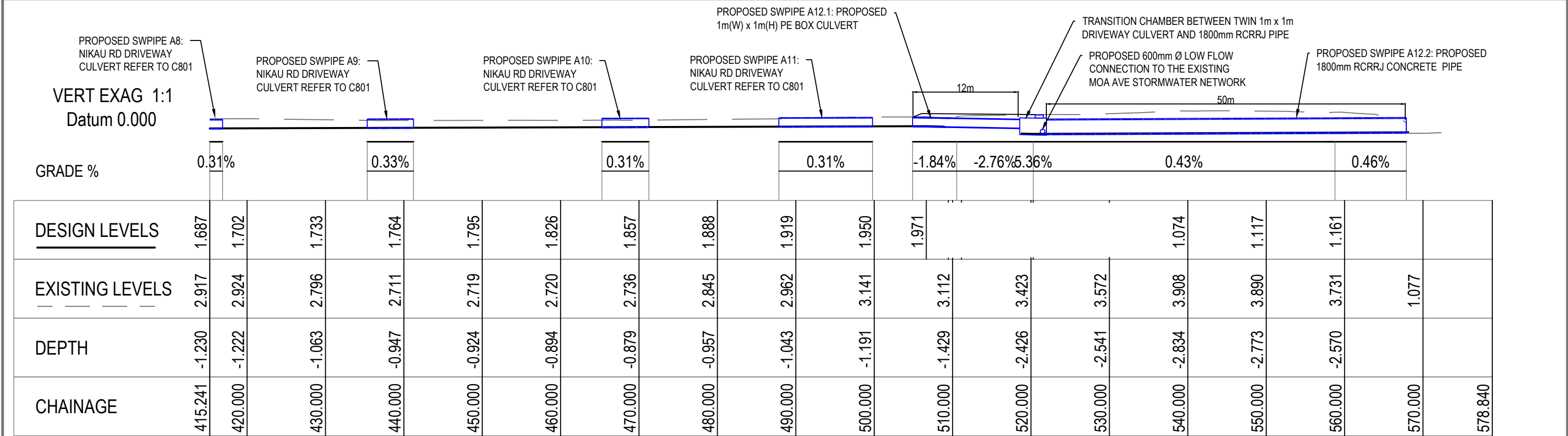
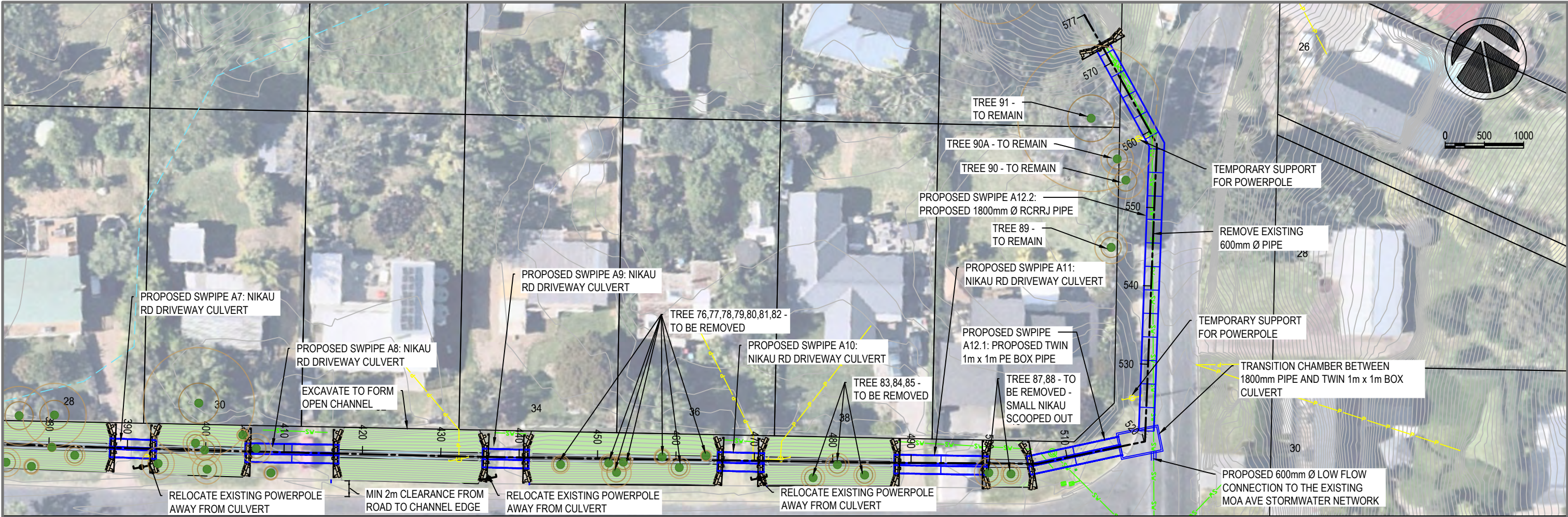
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Datum -2.000

GRADE %

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EXISTING LEVELS	1.080	1.243	1.333	1.539	1.500	1.500	0.754	0.793	0.750	0.715	0.829	0.885
DEPTH	-0.550	-0.707	-0.792	-0.992	-0.947	-0.941	-0.190	-0.223	-0.174	-0.134	-0.241	-0.289
CHAINAGE	-40.000	-30.000	-20.000	-10.000	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000

TUI-NIKAU LONG SECTION

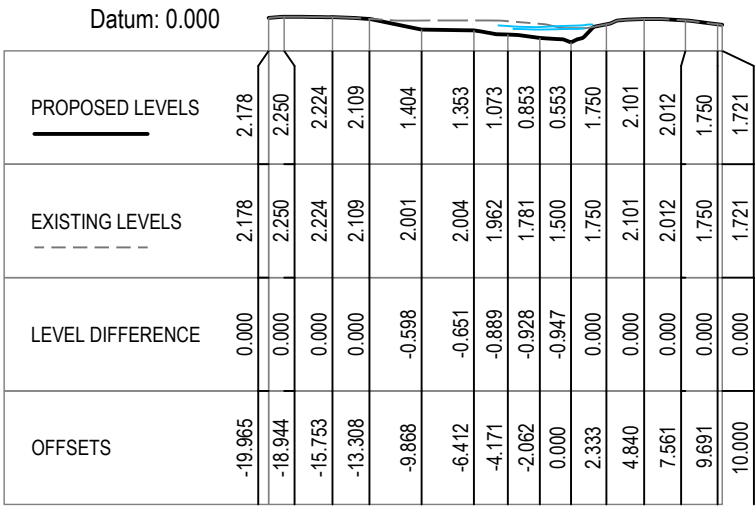
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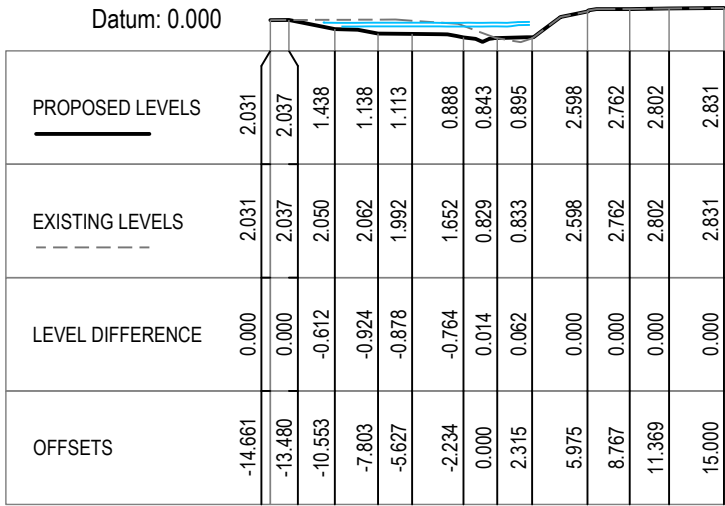
TUI-NIKAU LONG SECTION

Pld Date: 20-Aug-25 5:07 pm
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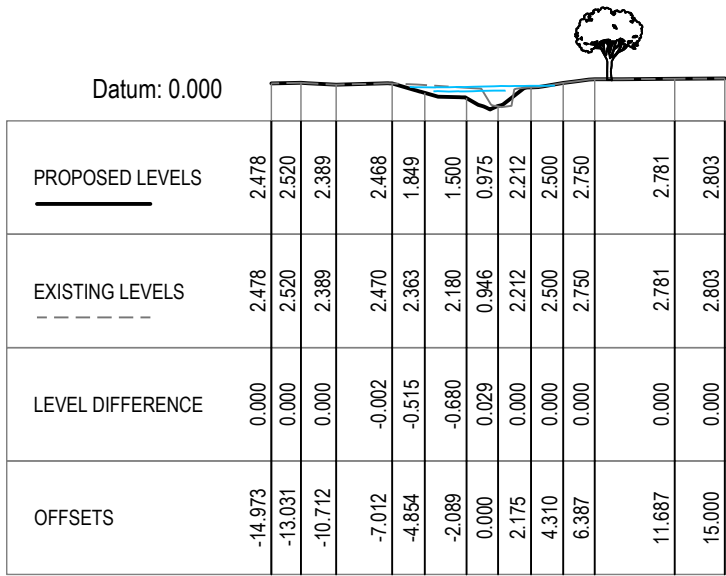
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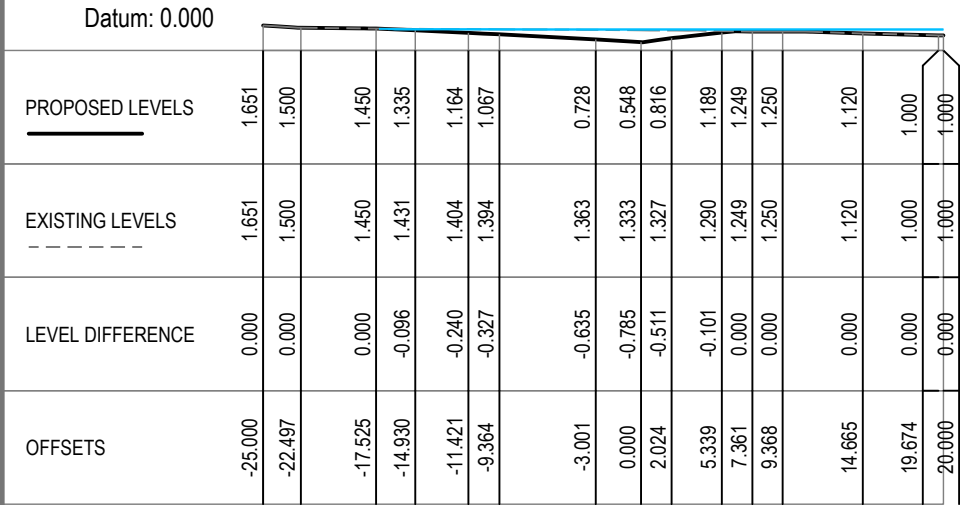
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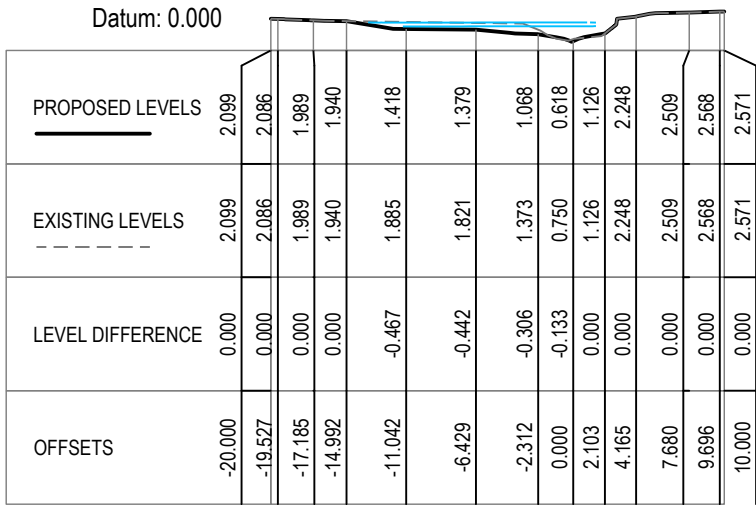
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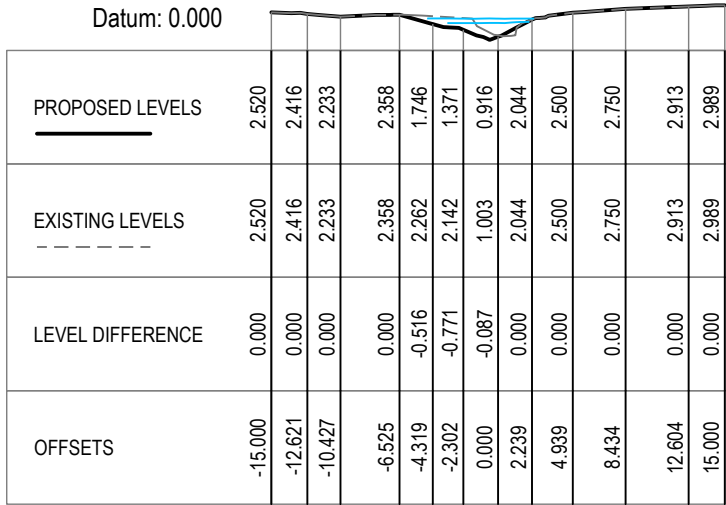
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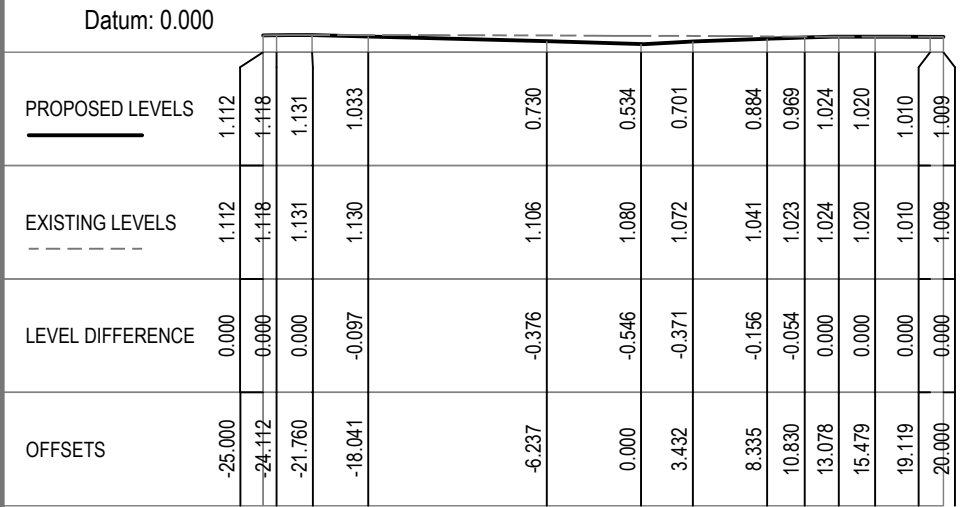
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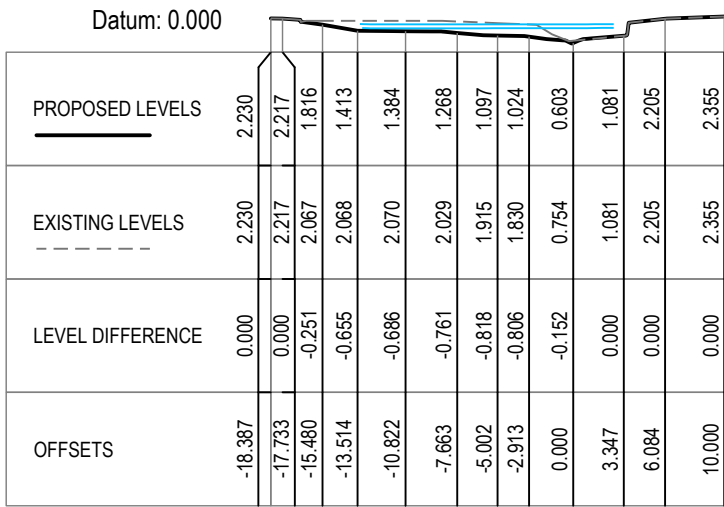
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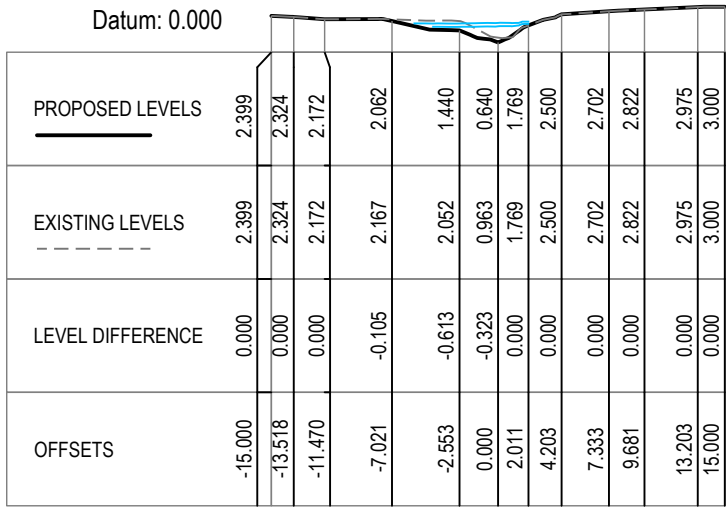
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CHAINAGE -40.000

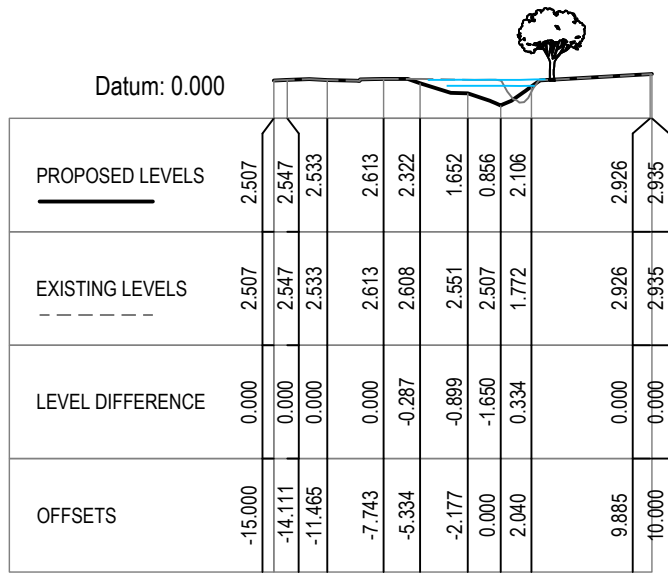


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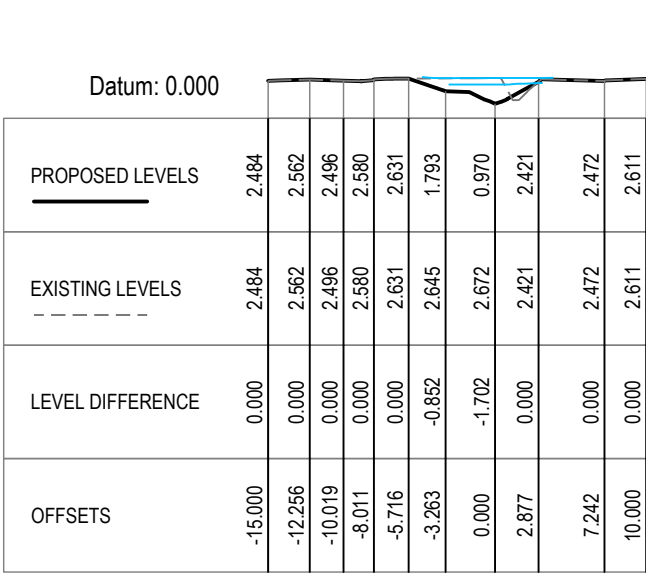


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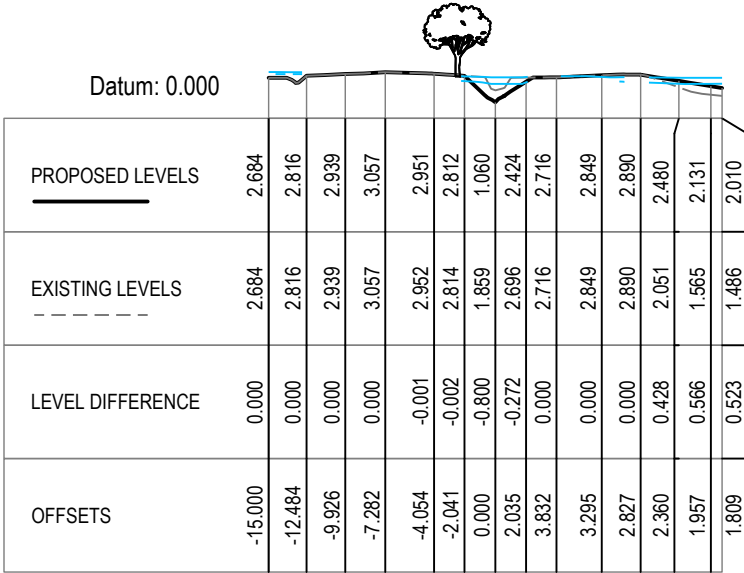
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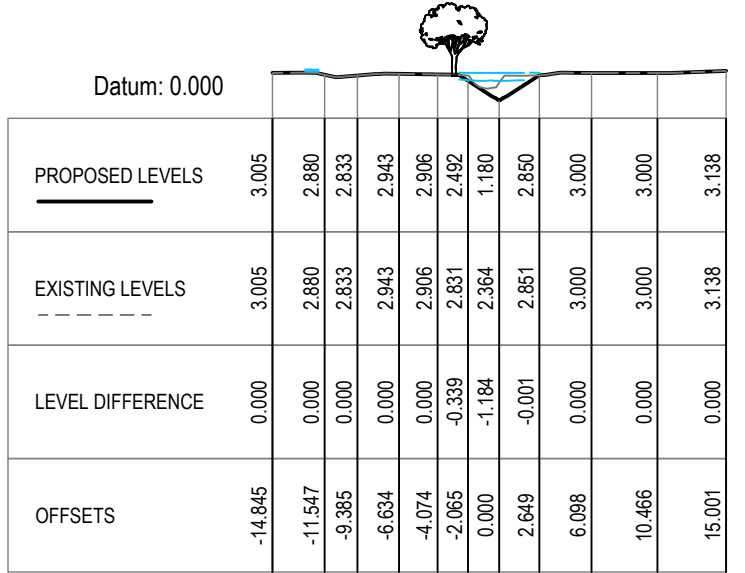
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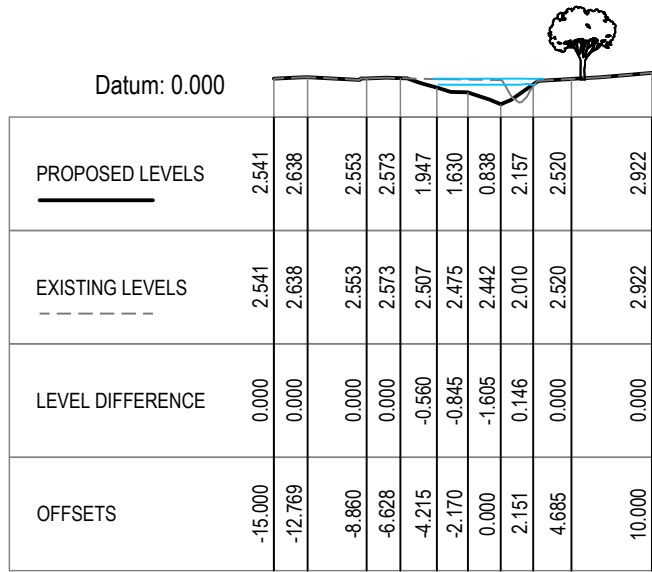
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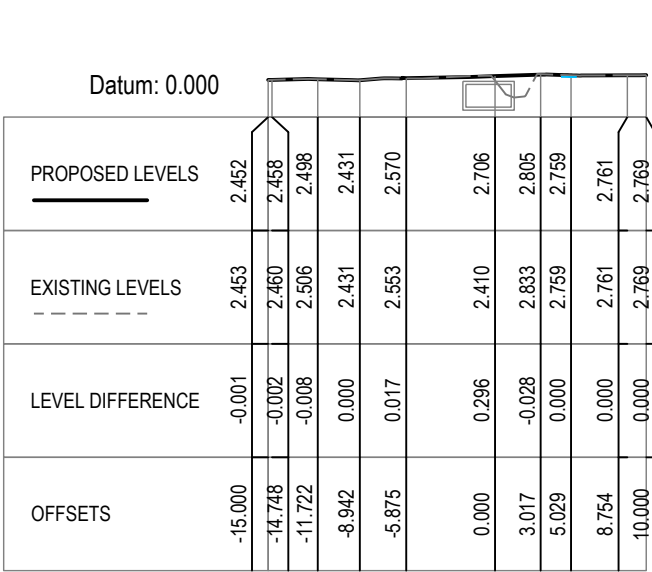
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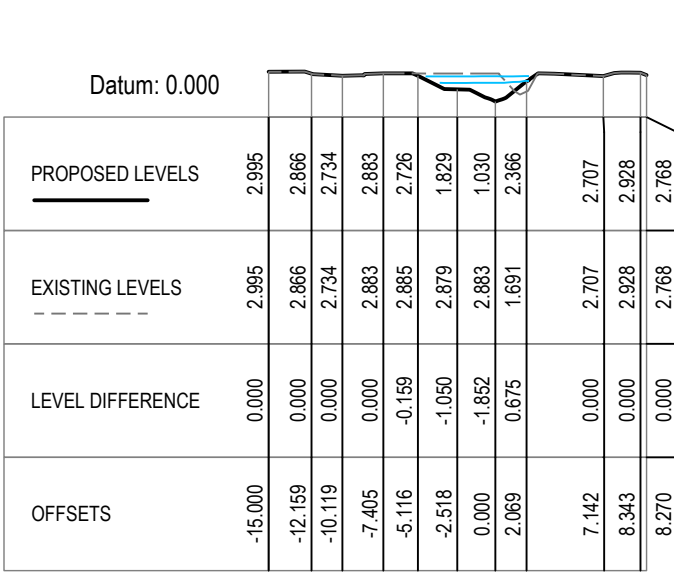
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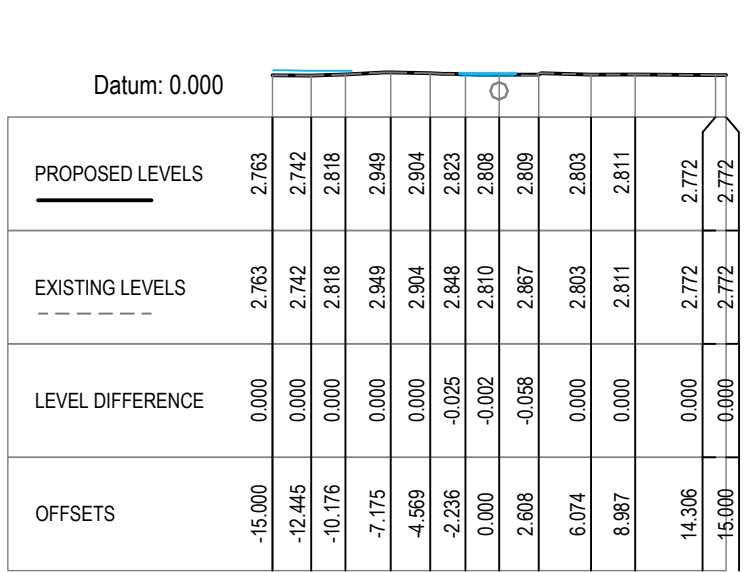
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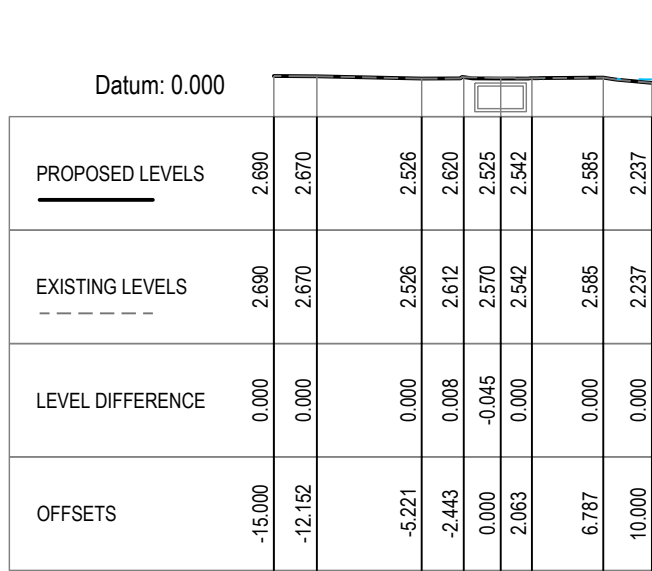
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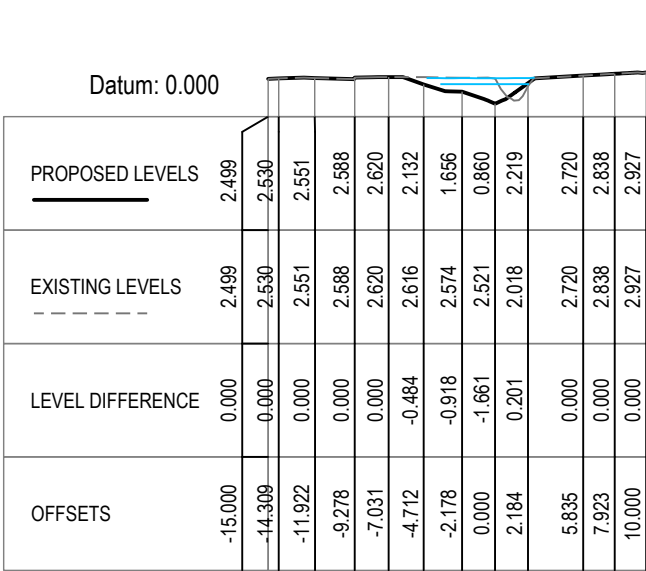
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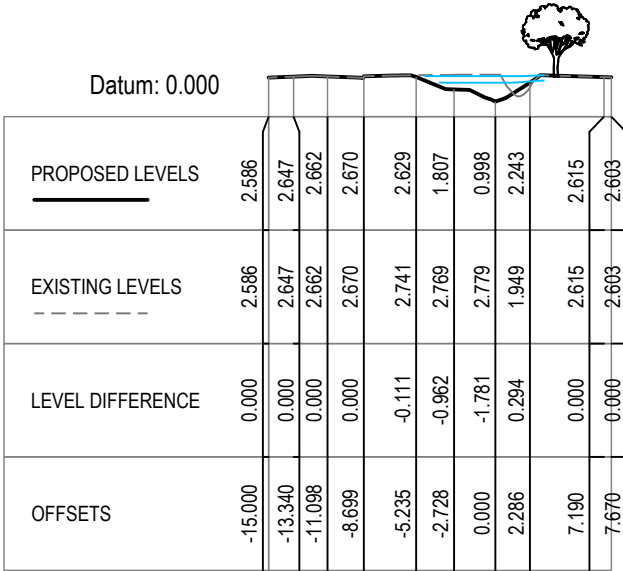
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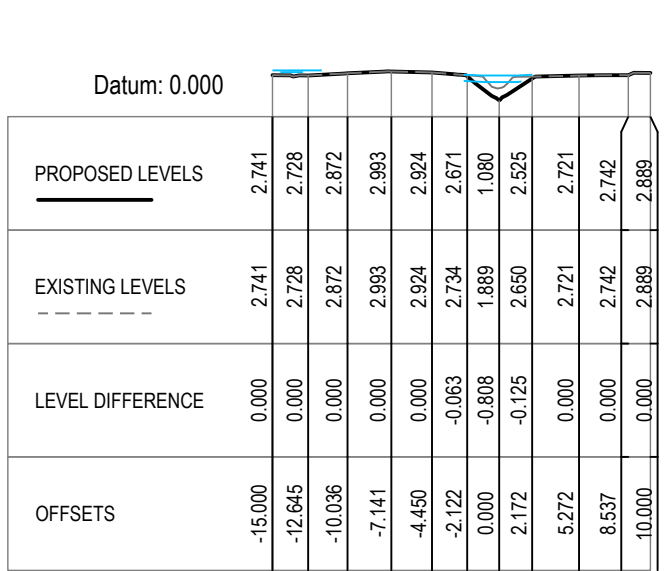
CHAINAGE 140.000



CHAINAGE 160.000



CHAINAGE 210.194



CHAINAGE 240.000

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				J PEETERS	17/12/2024
				A CUNNINGHAM	17/12/2024
A	17/12/2024	FOR CONSENT	JP	AC	A CUNNINGHAM
					17/12/2024

Pld Date: 20-Aug-25 5:07 pm
File path: C:\Users\peeterj1\OneDrive - Auckland Council\Blackpool CAD

Datum: 0.000				
PROPOSED LEVELS				3.243
EXISTING LEVELS	-15.000	3.243	3.112	3.000
LEVEL DIFFERENCE	-10.286	0.000	0.000	2.855
OFFSETS	-7.493	0.000	0.000	2.342

CHAINAGE 320.000

Datum: 0.000				
PROPOSED LEVELS				2.986
EXISTING LEVELS	-15.000	2.986	2.945	2.853
LEVEL DIFFERENCE	-13.676	0.000	0.000	2.753
OFFSETS	-9.872	0.000	0.000	2.578

CHAINAGE 360.000

Datum: 0.000				
PROPOSED LEVELS				2.882
EXISTING LEVELS	-15.000	2.882	2.891	2.980
LEVEL DIFFERENCE	-14.057	0.000	0.000	2.942
OFFSETS	-8.029	0.000	0.000	2.325

CHAINAGE 398.933

Datum: 0.000				
PROPOSED LEVELS				2.826
EXISTING LEVELS	-15.000	2.826	2.783	2.755
LEVEL DIFFERENCE	-10.672	0.000	0.000	2.740
OFFSETS	-7.556	0.000	0.003	2.747

CHAINAGE 440.000

Datum: 0.000				
PROPOSED LEVELS				3.474
EXISTING LEVELS	-15.000	3.474	3.453	3.334
LEVEL DIFFERENCE	-13.885	0.000	0.000	3.261
OFFSETS	-11.436	0.000	0.000	3.008

CHAINAGE 300.000

Datum: 0.000				
PROPOSED LEVELS				3.071
EXISTING LEVELS	-15.000	3.071	3.000	2.984
LEVEL DIFFERENCE	-12.560	0.000	0.000	3.000
OFFSETS	-10.016	0.000	0.000	1.968

CHAINAGE 340.000

Datum: 0.000				
PROPOSED LEVELS				2.772
EXISTING LEVELS	-15.000	2.772	2.772	2.763
LEVEL DIFFERENCE	-13.011	0.000	0.000	2.757
OFFSETS	-9.460	0.000	0.000	2.750

CHAINAGE 380.000

Datum: 0.000				
PROPOSED LEVELS				2.879
EXISTING LEVELS	-15.000	2.879	3.000	3.000
LEVEL DIFFERENCE	-9.656	0.000	0.000	2.990
OFFSETS	-7.249	0.000	0.000	2.393

CHAINAGE 420.000

Datum: 0.000				
PROPOSED LEVELS				3.037
EXISTING LEVELS	-12.046	3.037	3.016	2.698
LEVEL DIFFERENCE	-11.060	0.000	0.000	2.942
OFFSETS	-9.094	0.000	0.000	2.912

CHAINAGE 280.000

Datum: 0.000				
PROPOSED LEVELS				3.077
EXISTING LEVELS	-15.000	3.077	3.012	2.994
LEVEL DIFFERENCE	-12.608	0.000	0.000	2.992
OFFSETS	-9.491	0.000	0.000	2.872

CHAINAGE 330.465

Datum: 0.000				
PROPOSED LEVELS				2.776
EXISTING LEVELS	-15.000	2.776	2.755	2.750
LEVEL DIFFERENCE	-8.654	0.000	0.000	2.335
OFFSETS	-4.918	0.000	0.000	1.455

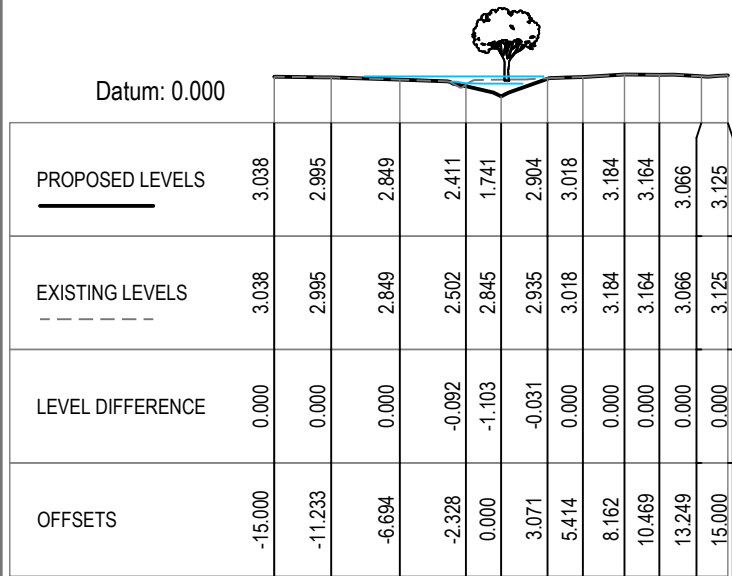
CHAINAGE 376.021

Datum: 0.000				
PROPOSED LEVELS				2.886
EXISTING LEVELS	-15.000	2.886	2.919	3.000
LEVEL DIFFERENCE	-12.637	0.000	0.000	2.453
OFFSETS	-6.503	0.000	0.000	1.587

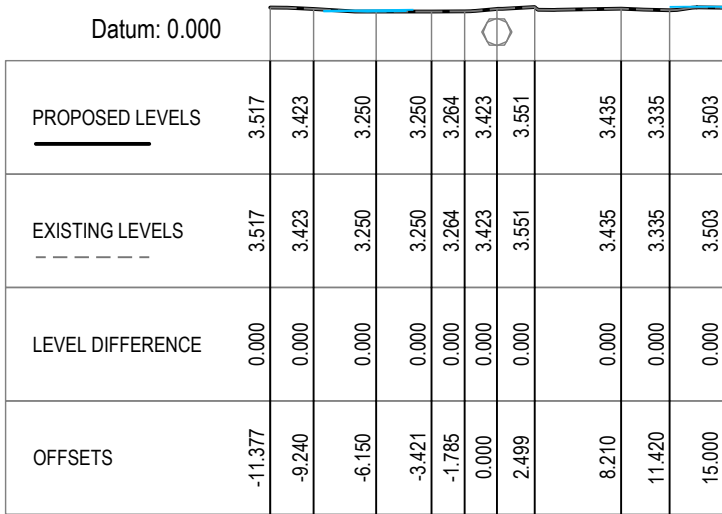
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				J PEETERS		17/12/2024			NIKAU RD - TUI ST			
				A CUNNINGHAM		17/12/2024			CROSS SECTIONS - SHEET 3 OF 4		N.007799.60.01.C123	A
A	17/12/2024	FOR CONSENT		JP	AC	A CUNNINGHAM				17/12/2024		

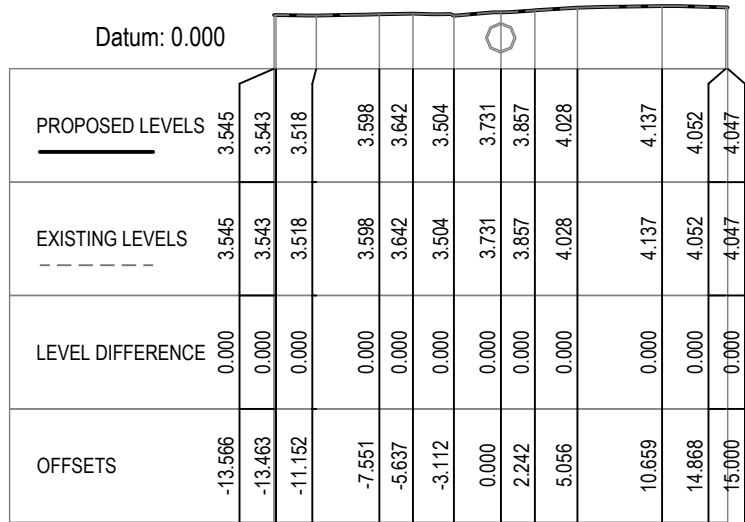
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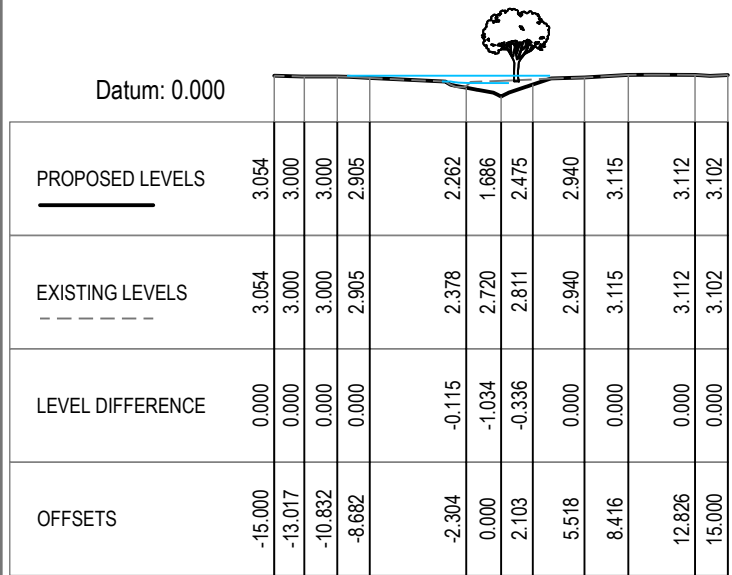
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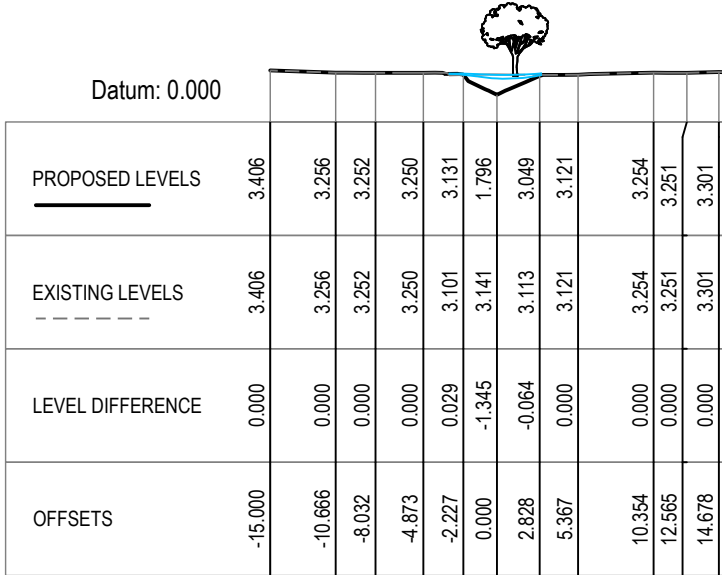
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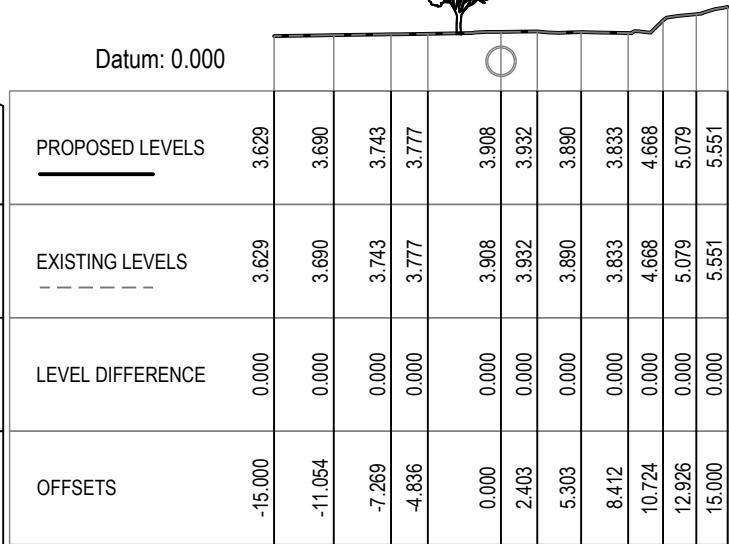
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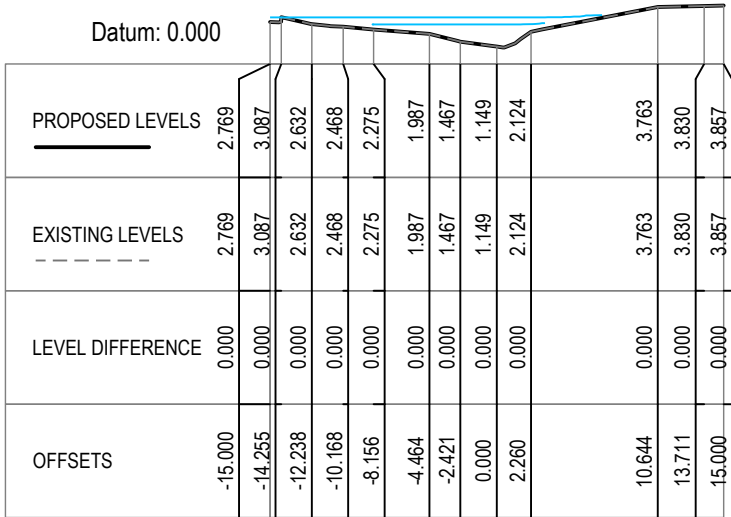
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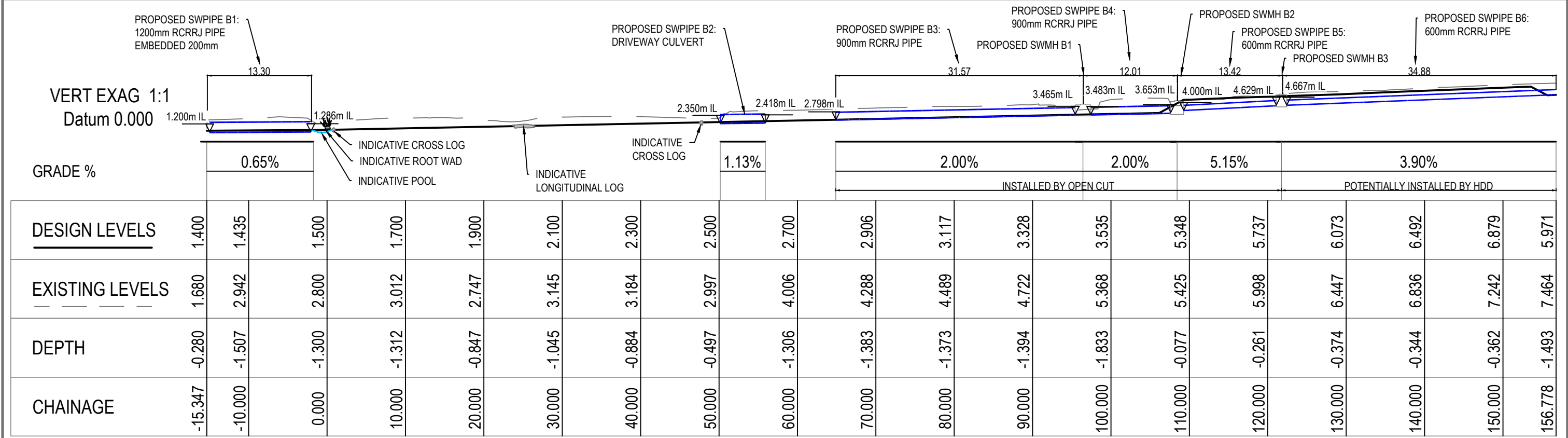
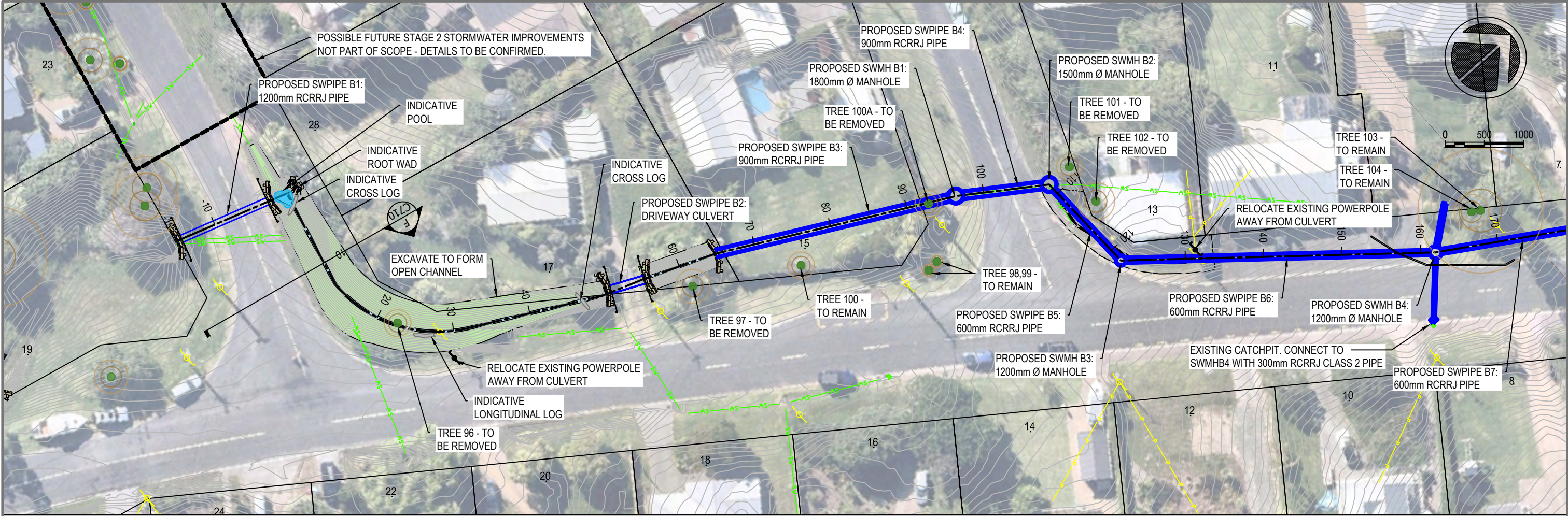


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CHAINAGE 572.375

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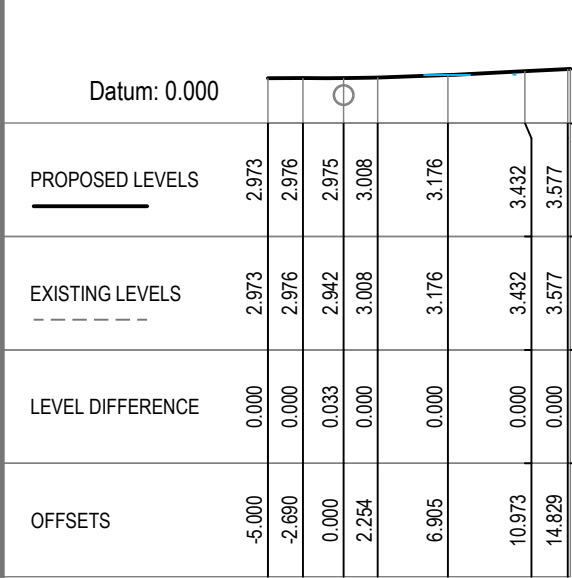


MOA-AVE-NORTH LONG SECTION

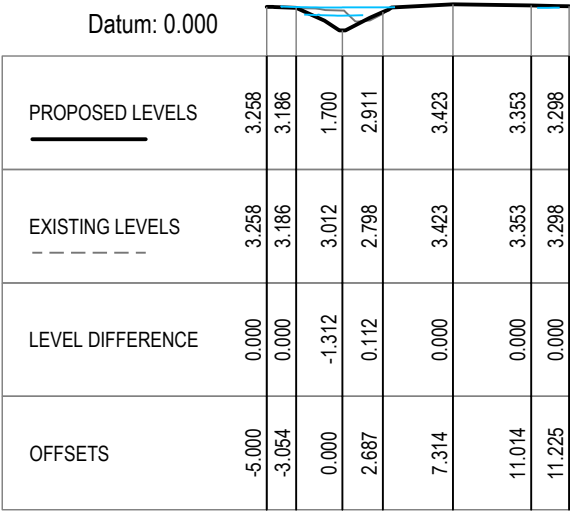
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				J PEETERS		17/12/2024								
C	06/08/2025	S92 UPDATE		JP									N.007799.60.01.C211	C
B	11/02/2025	ADDED MHWS		JP	AC	A CUNNINGHAM					17/12/2024			
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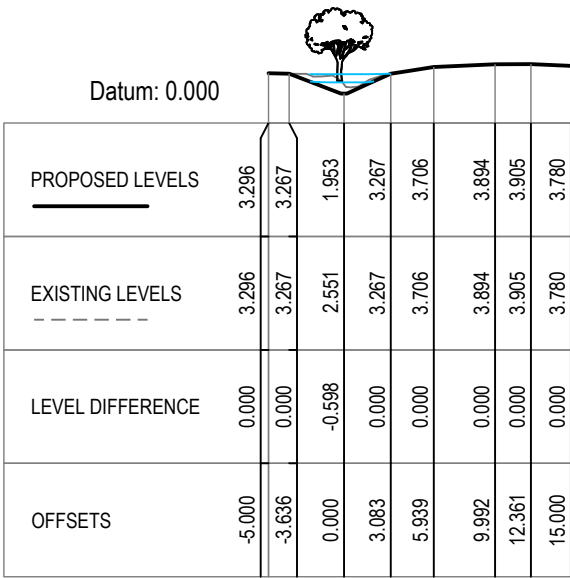
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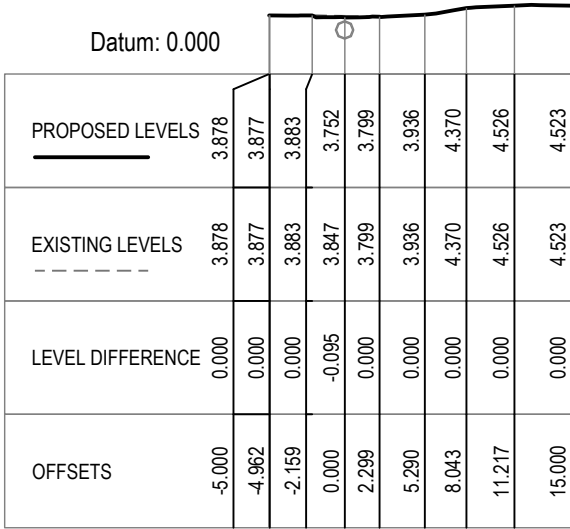
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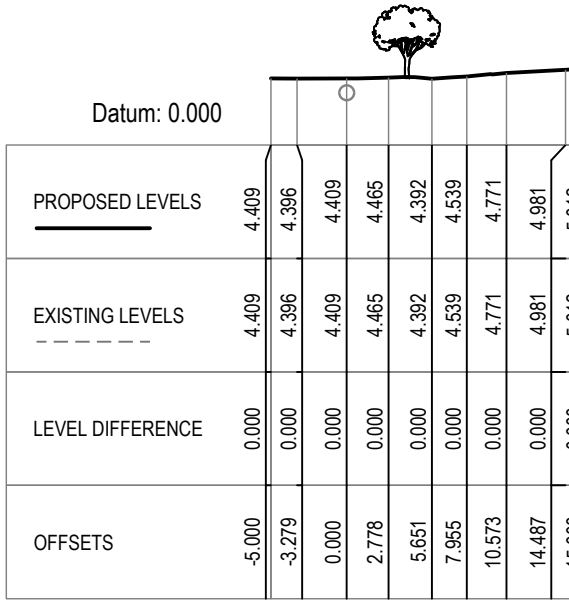
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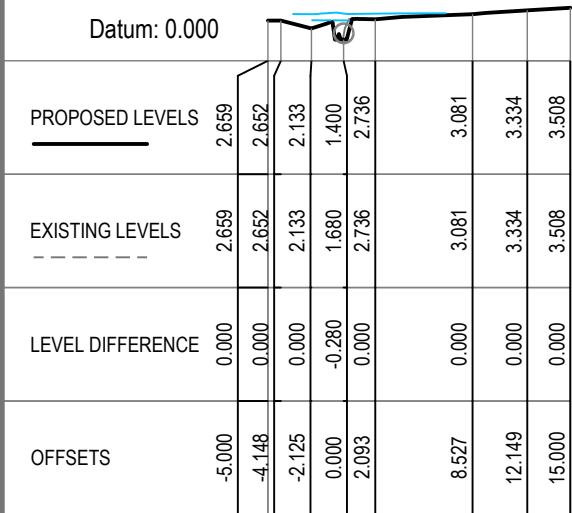
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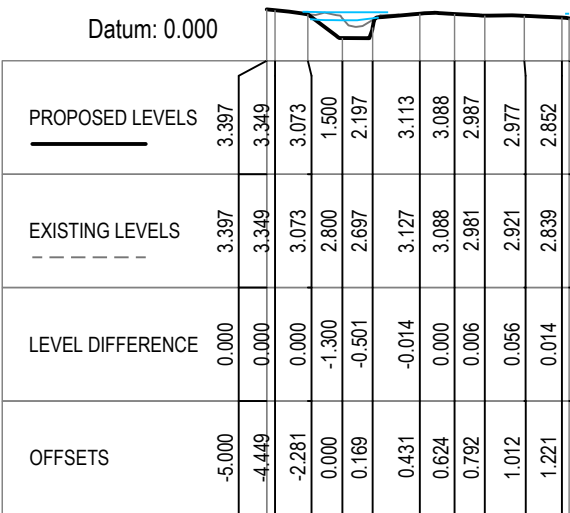
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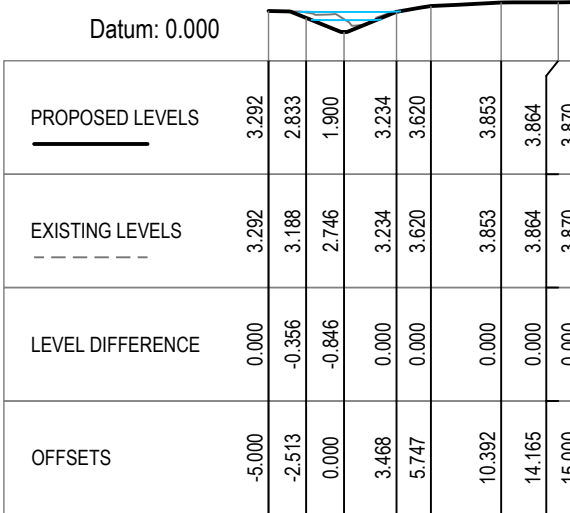
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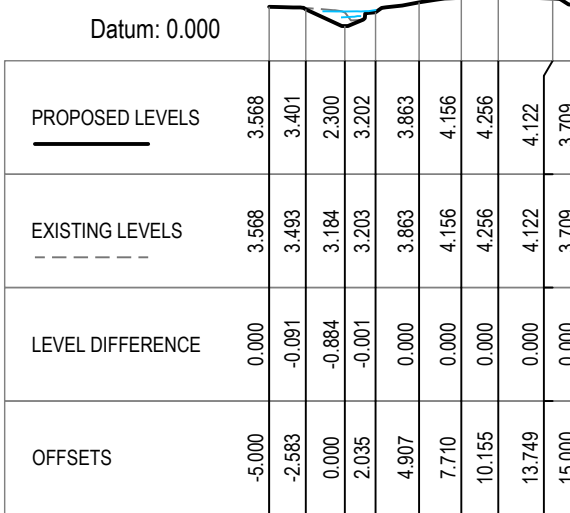
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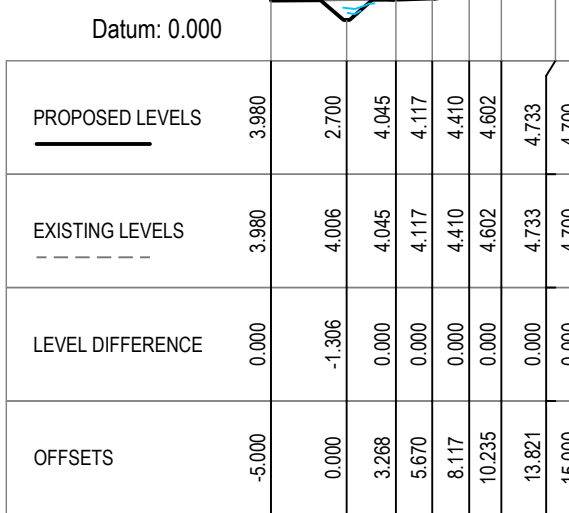
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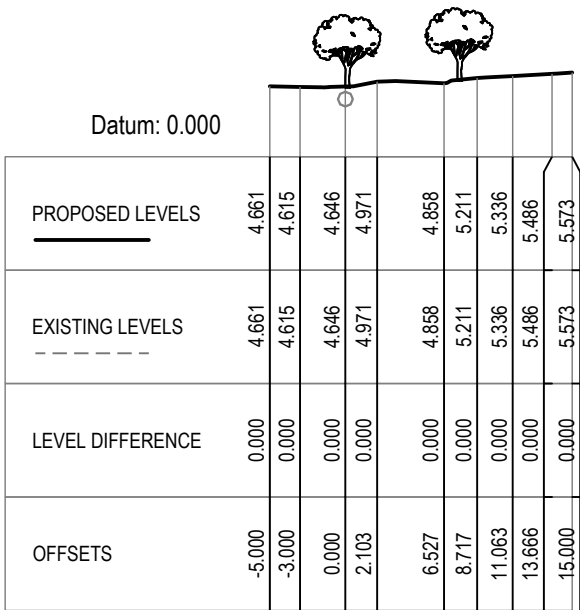
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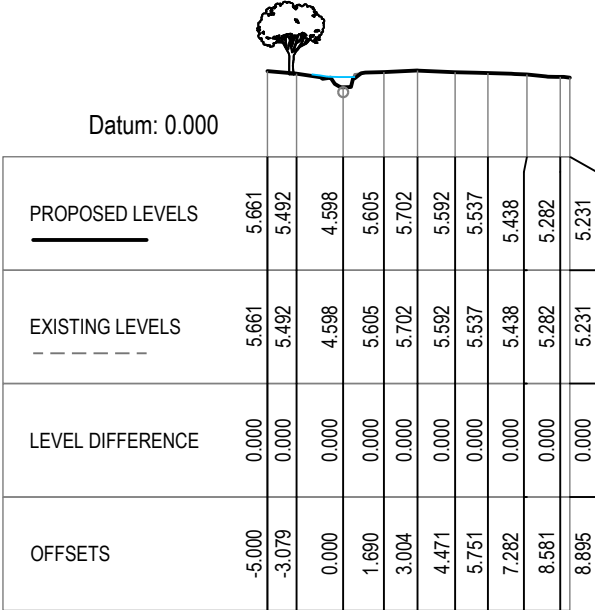
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					J PEETERS	17/12/2024
					A CUNNINGHAM	17/12/2024
A	17/12/2024	FOR CONSENT	JP	AC	A CUNNINGHAM	17/12/2024

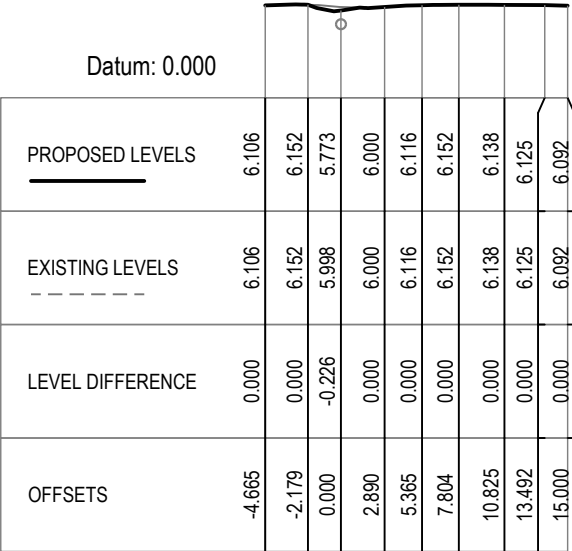
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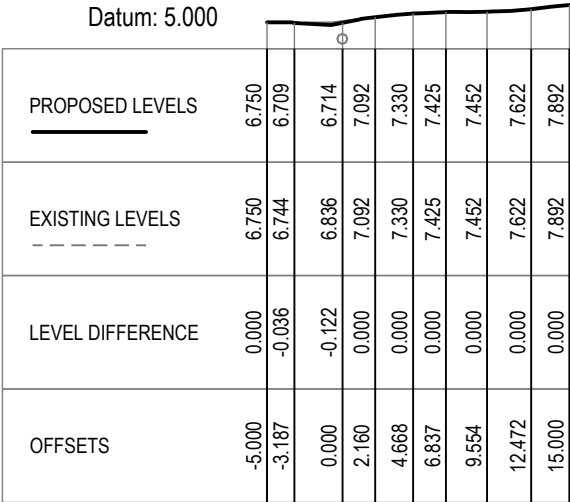
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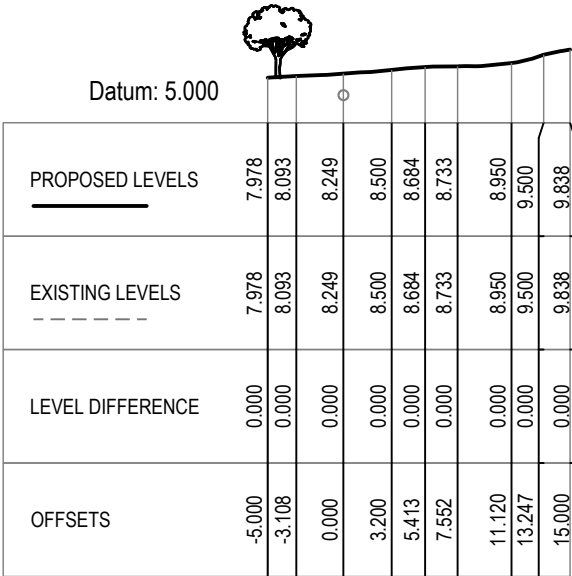
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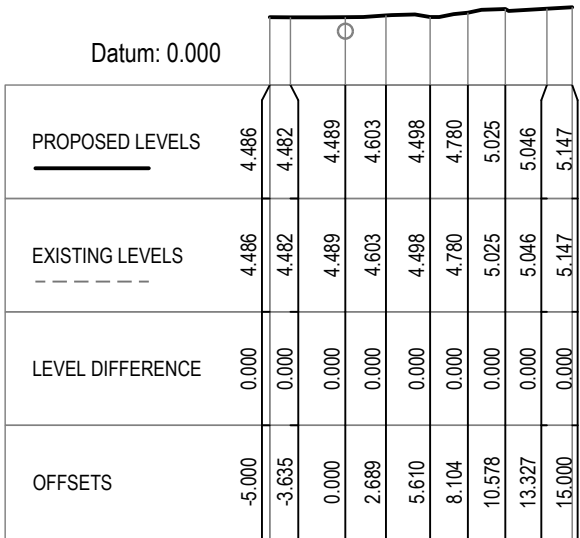
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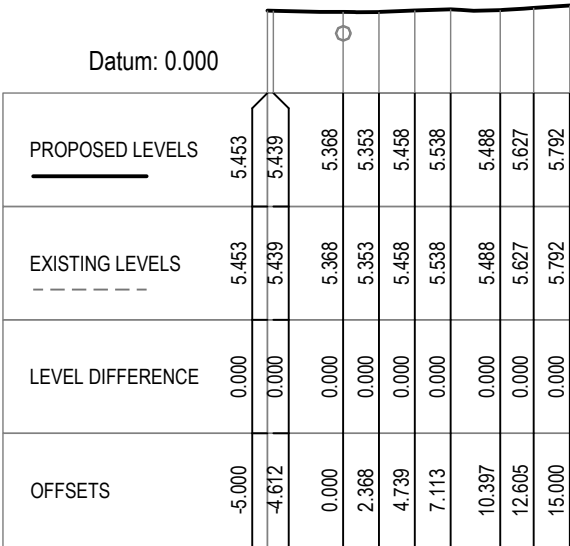
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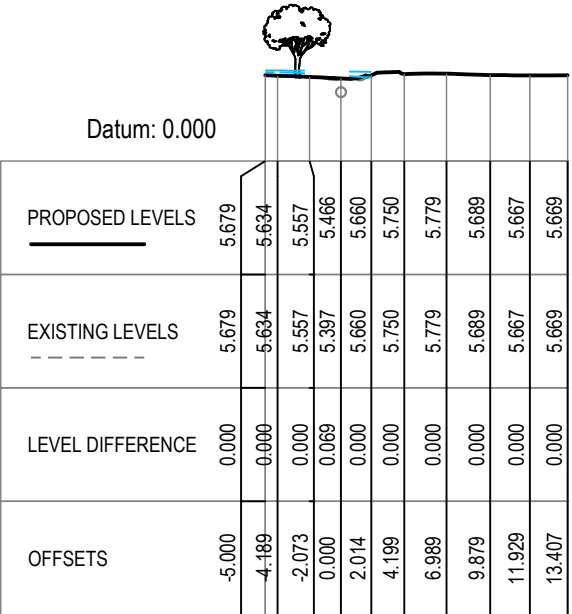
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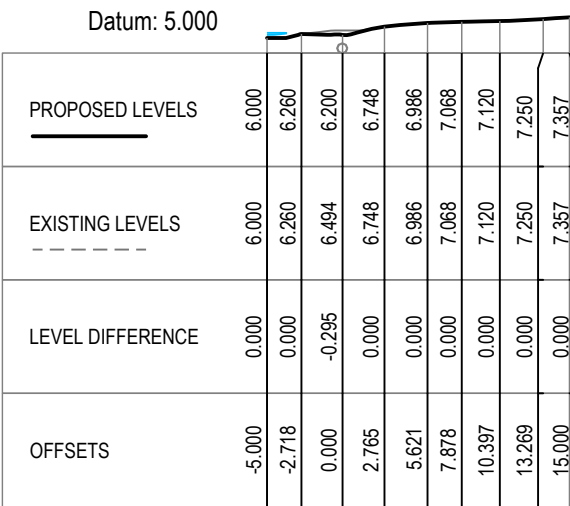
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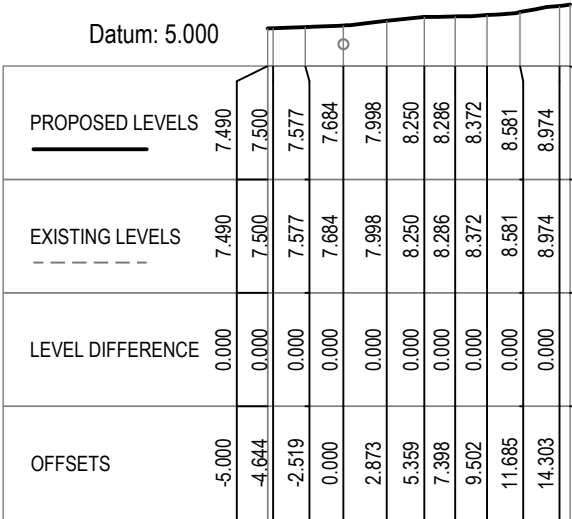
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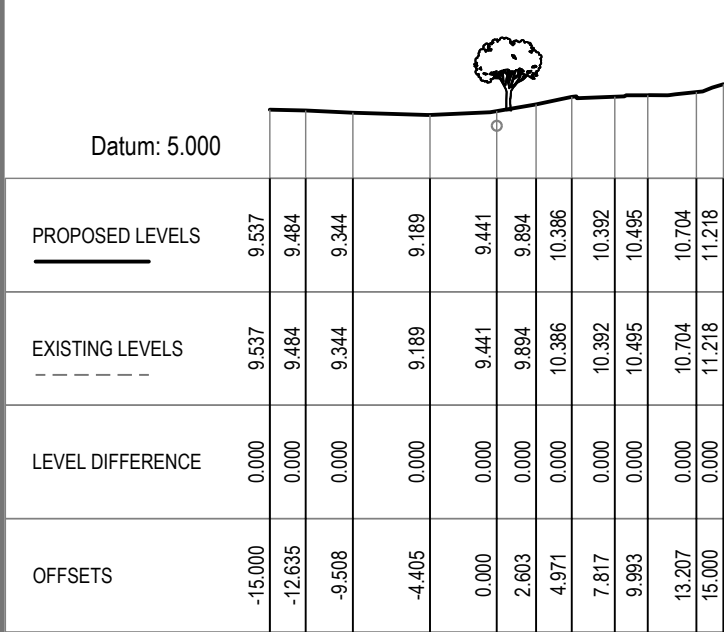
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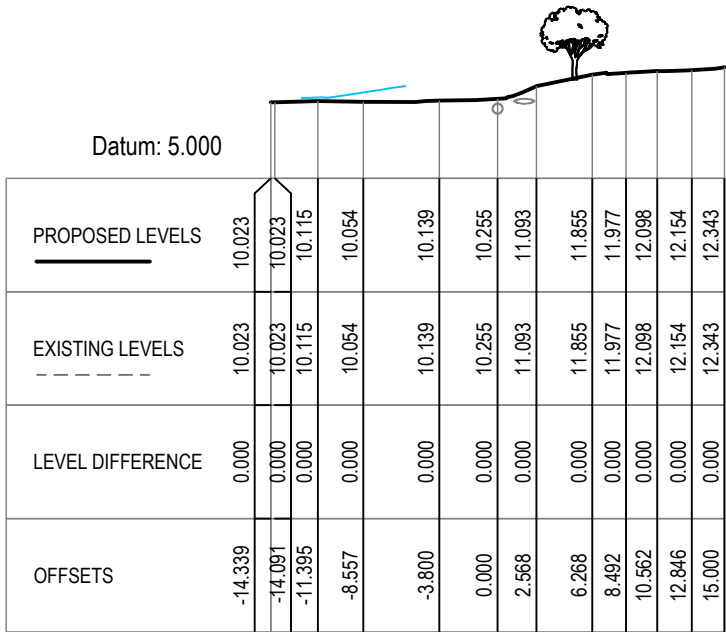
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A	17/12/2024	FOR CONSENT		JP	AC	
					A CUNNINGHAM	17/12/2024

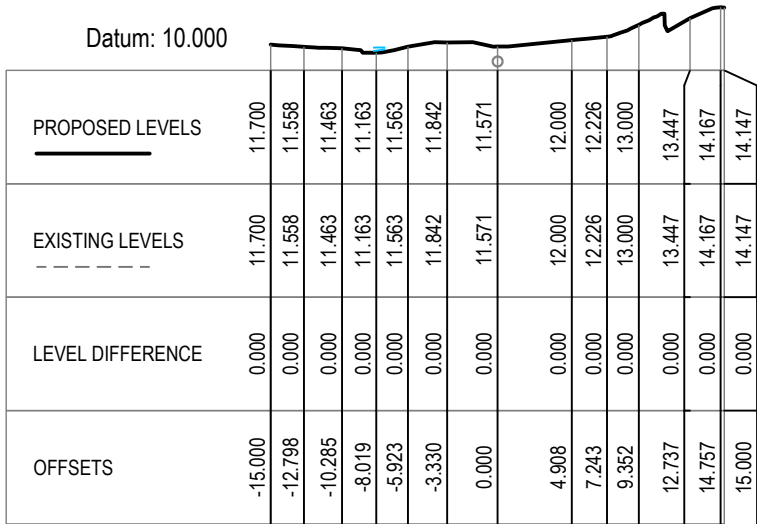
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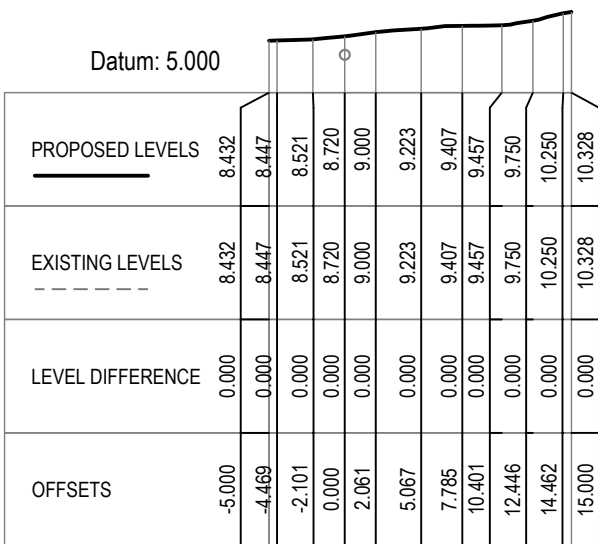
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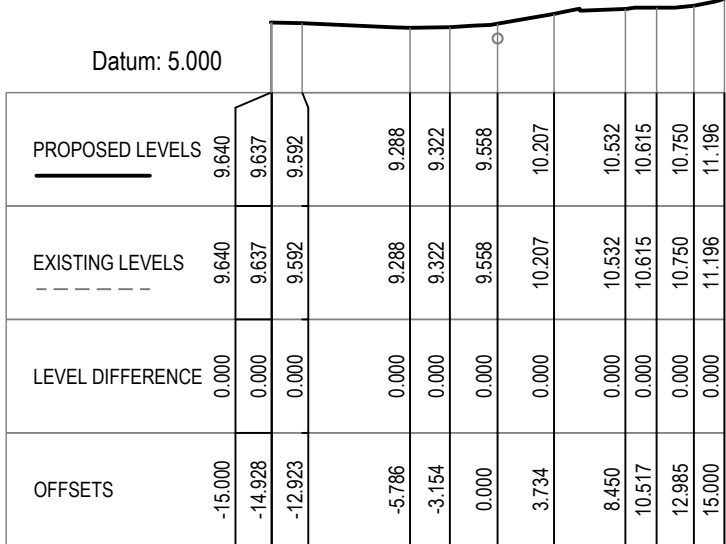
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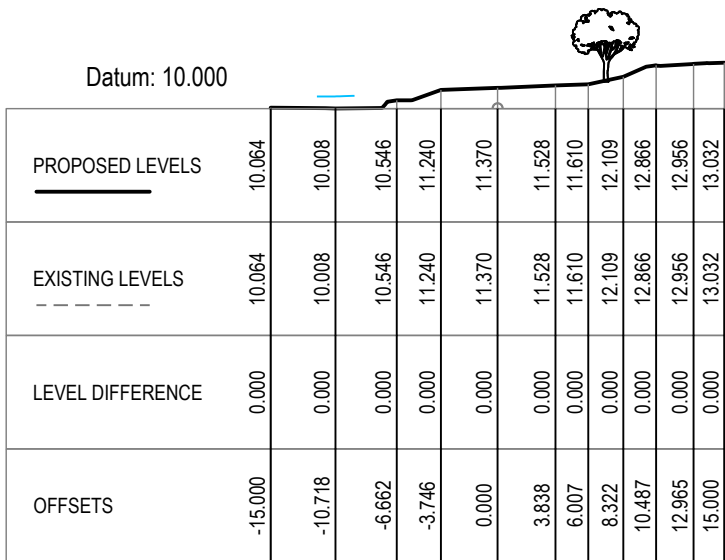
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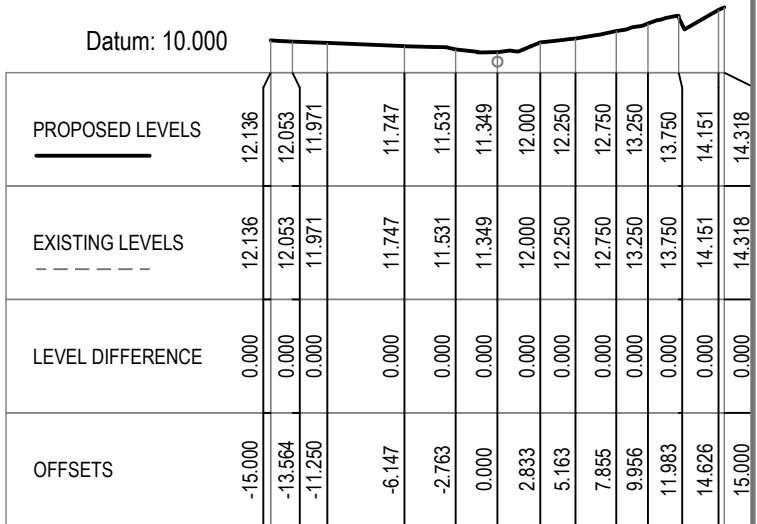
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CHAINAGE 200.000

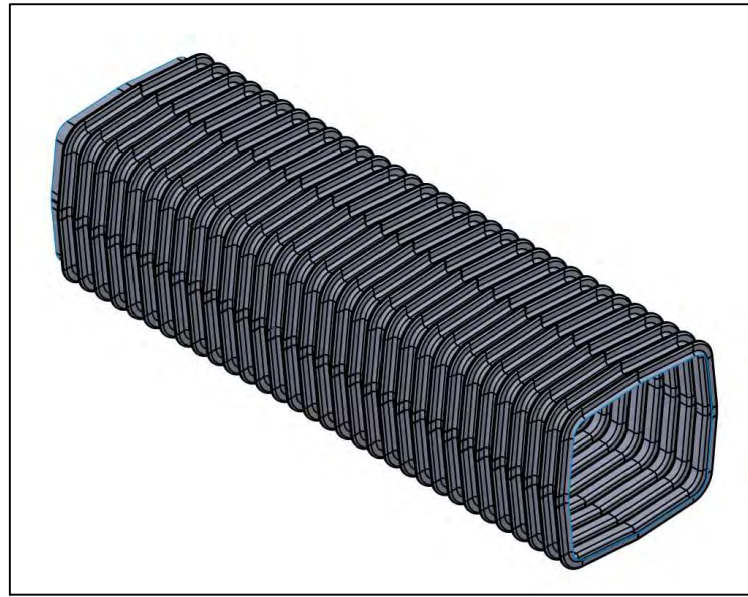
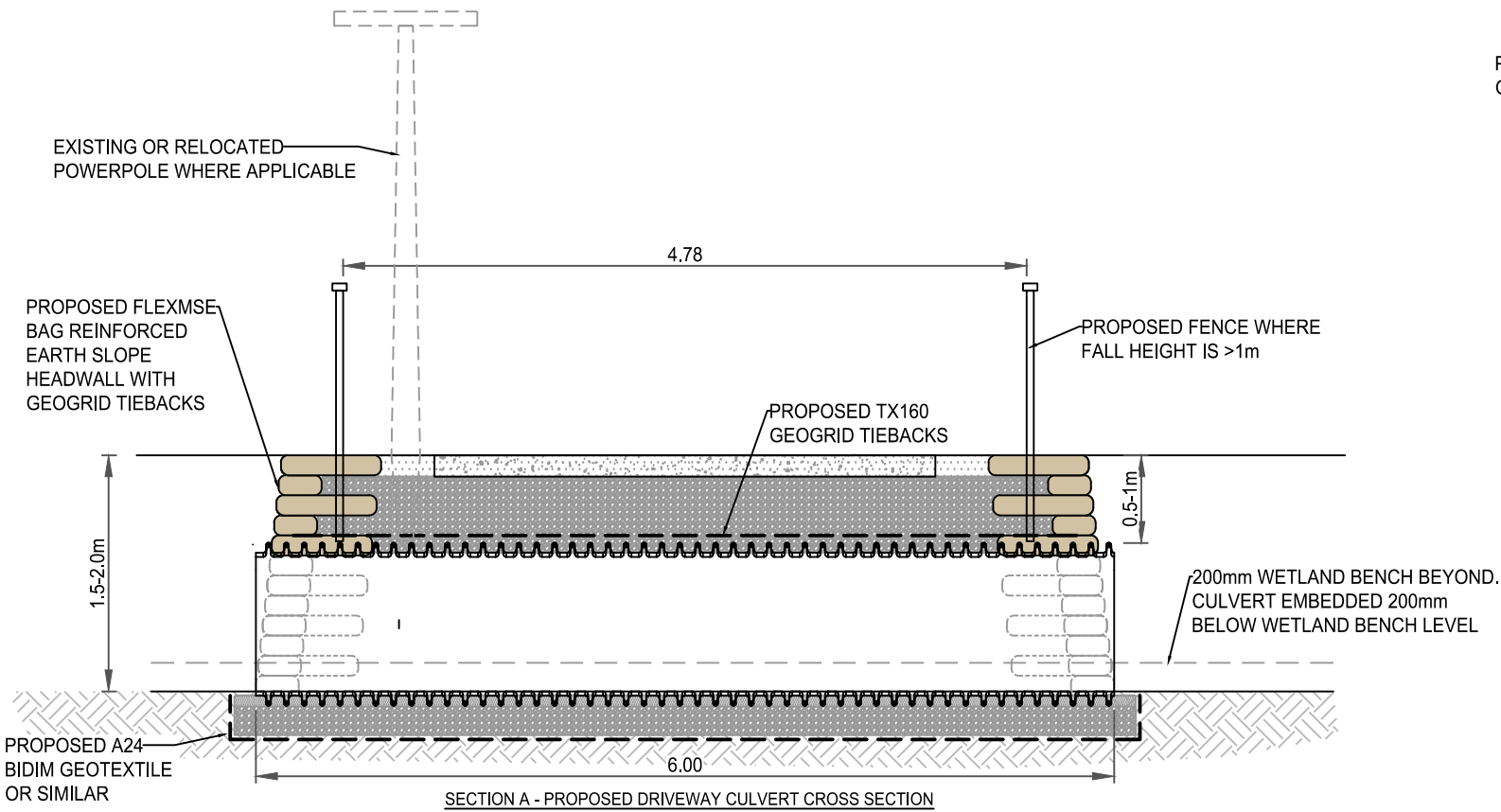
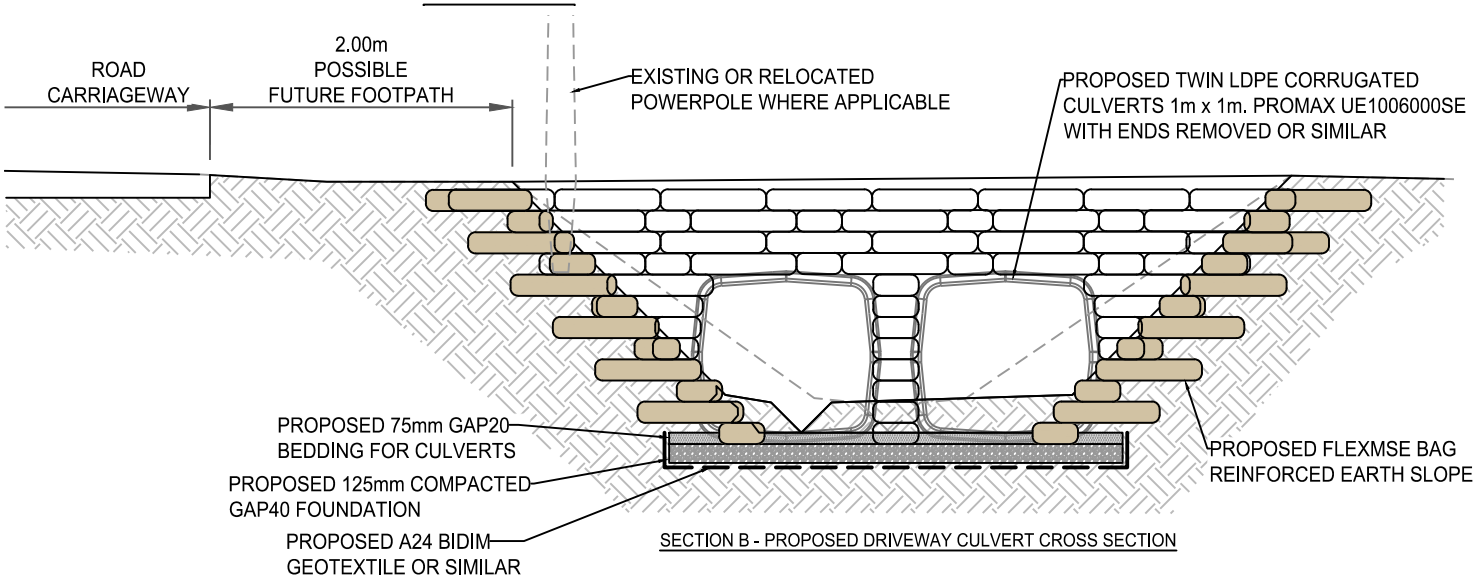
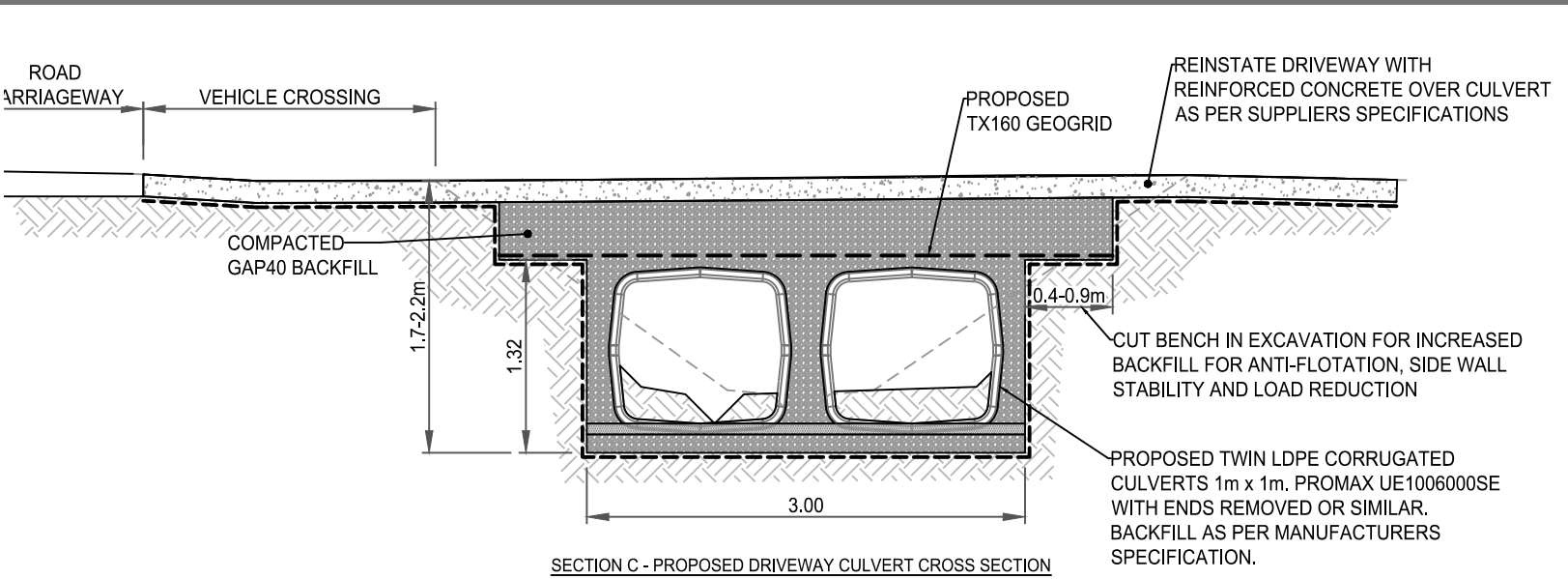
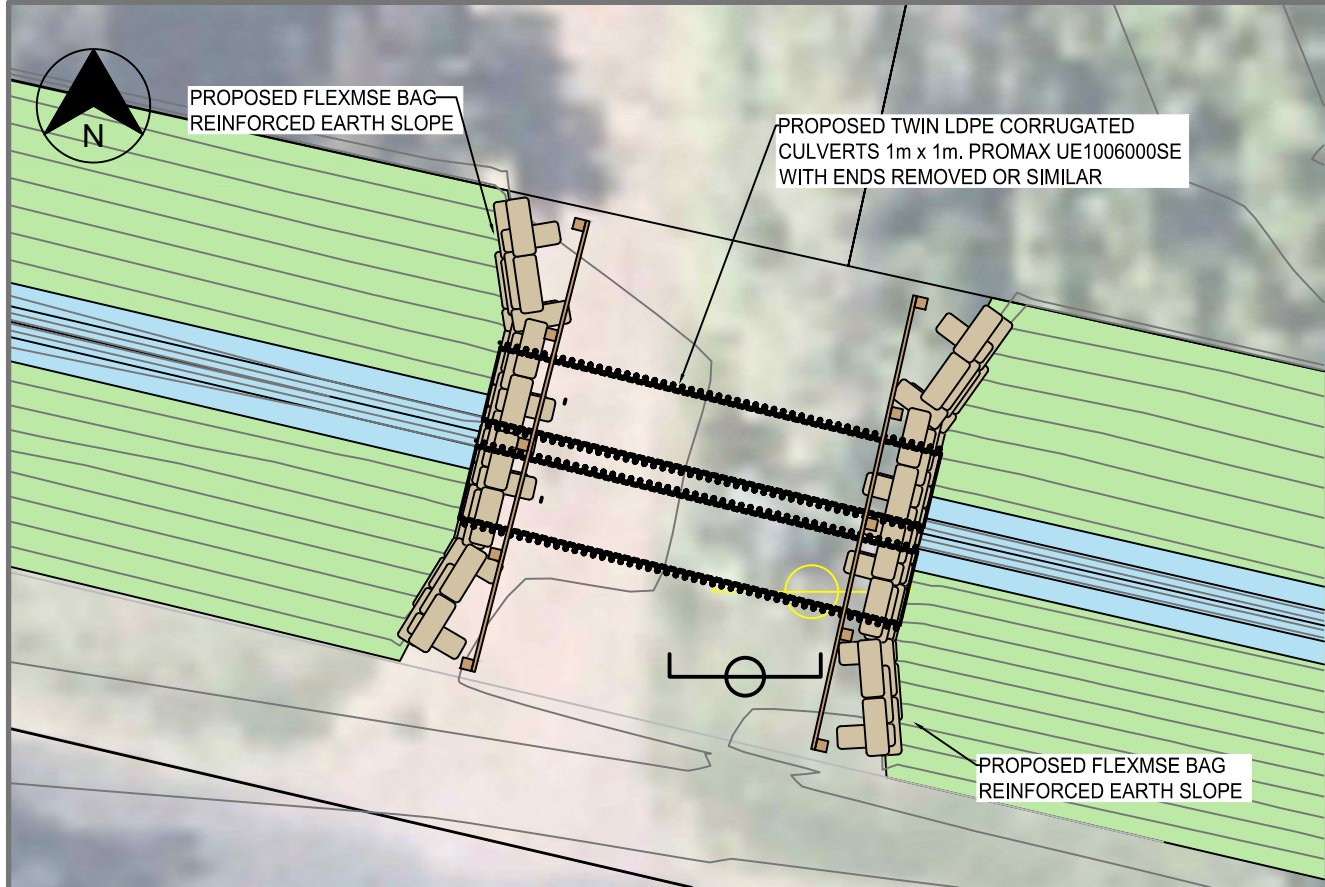


CHAINAGE 227.837



CHAINAGE 242.939

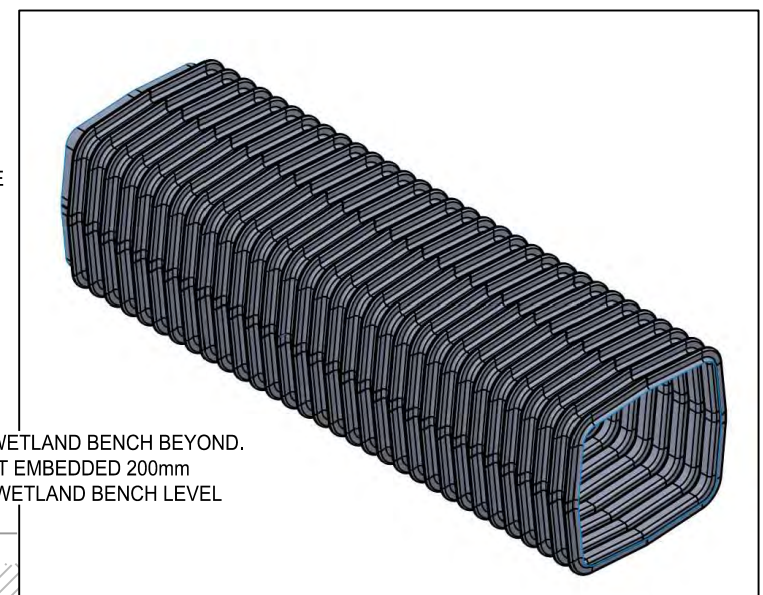
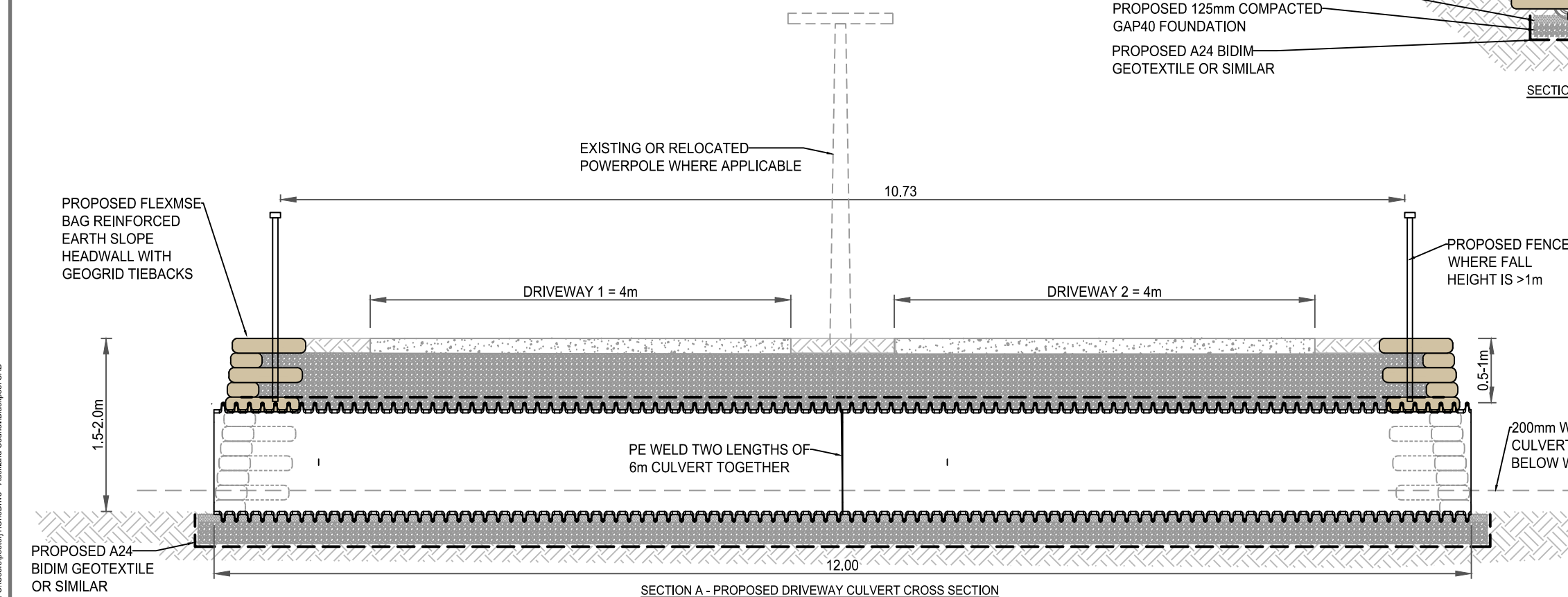
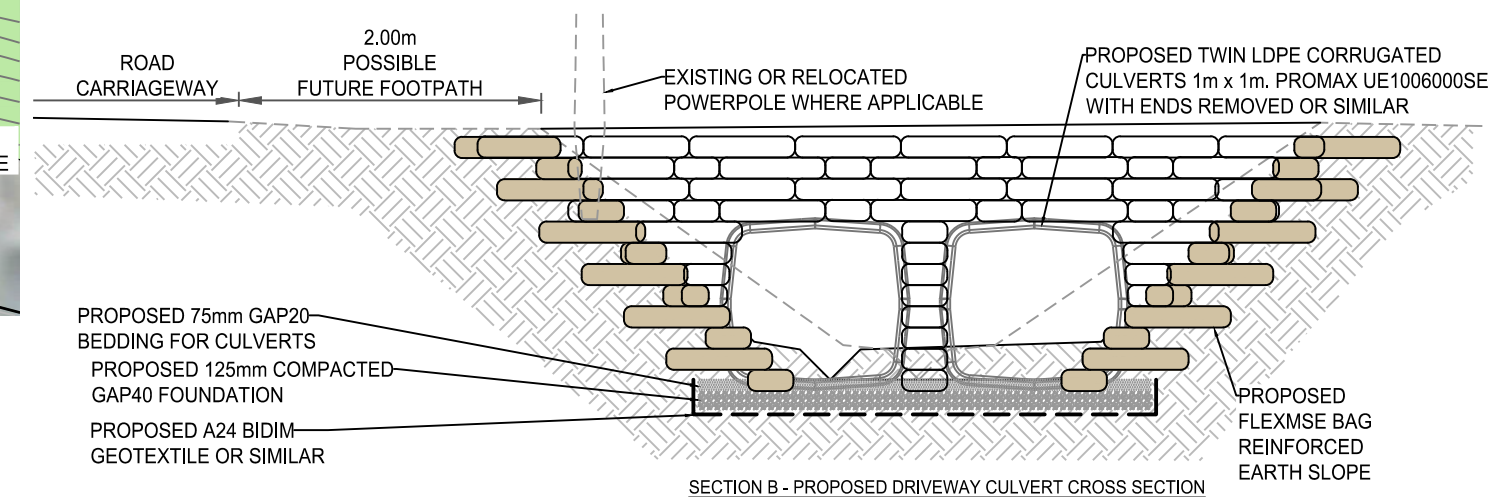
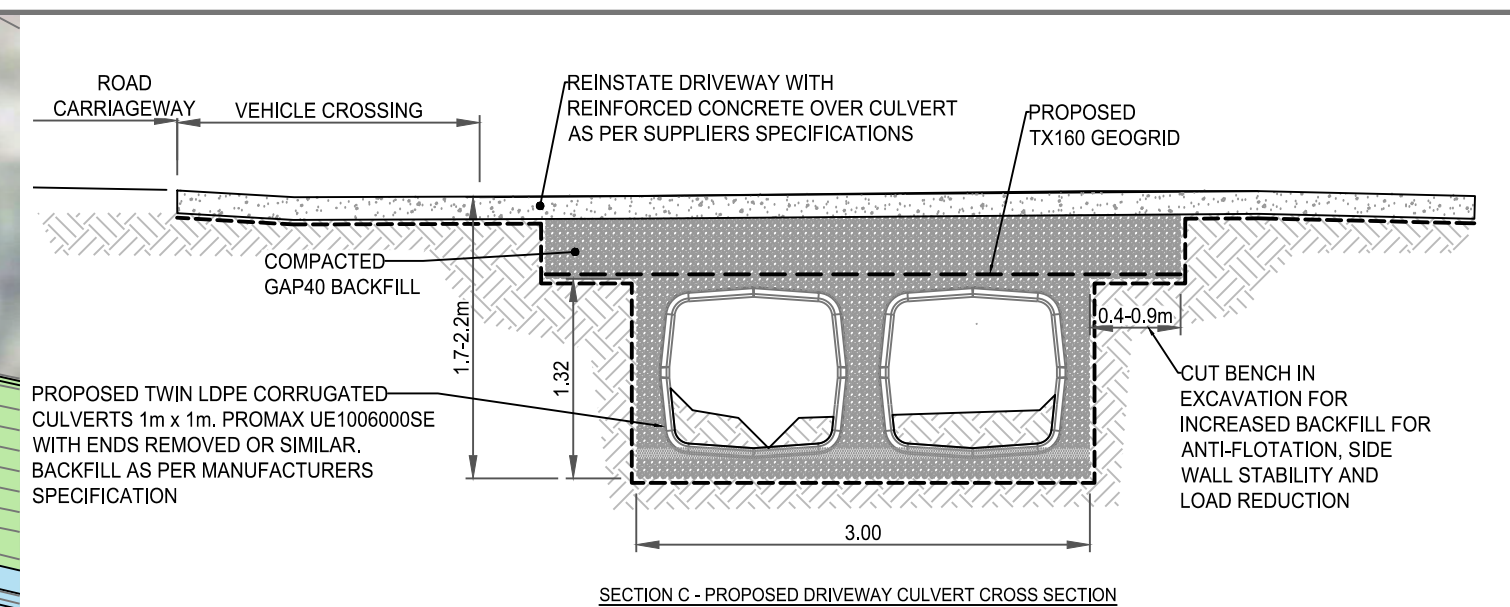
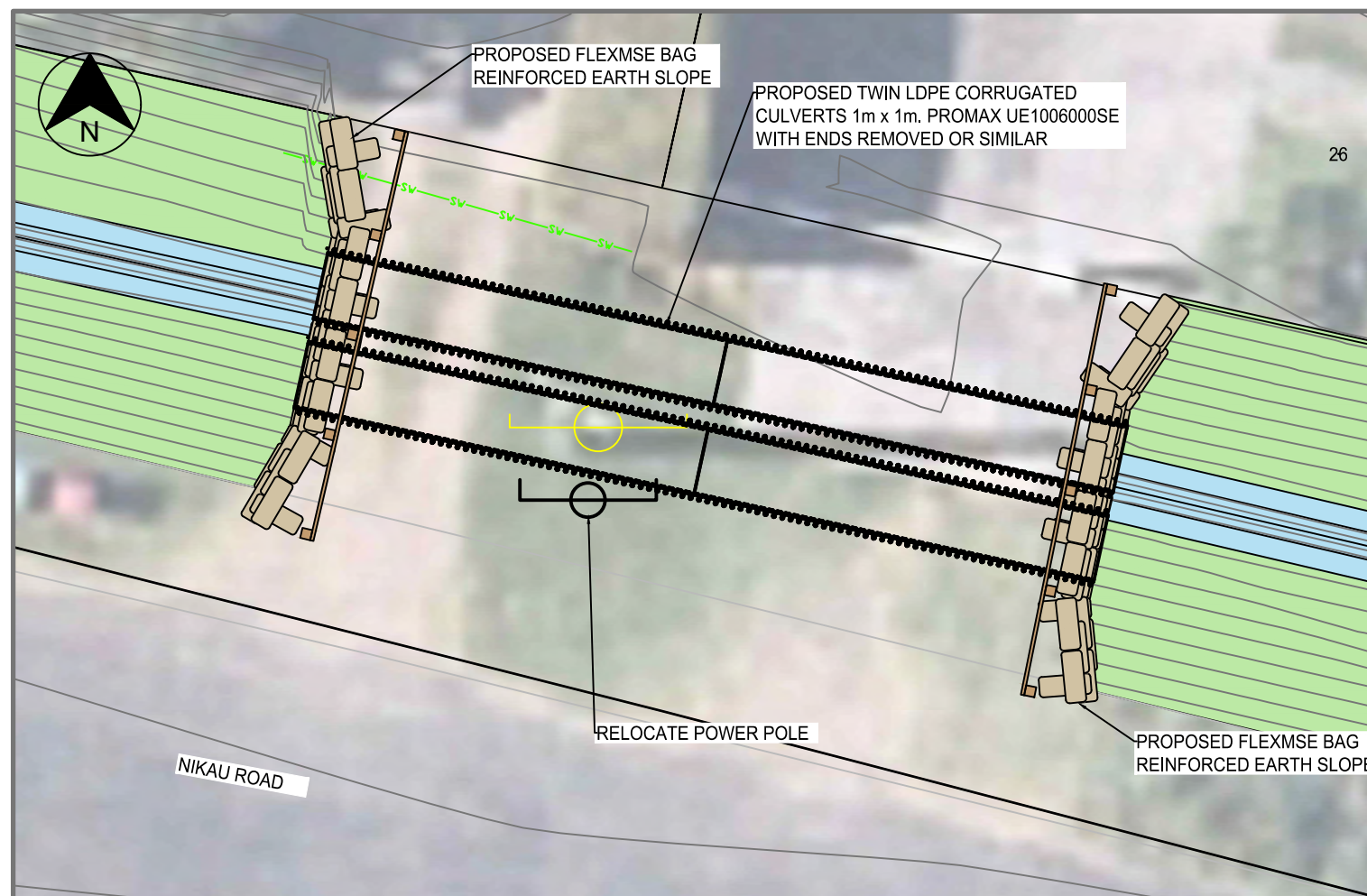
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					A CUNNINGHAM	17/12/2024
A	17/12/2024	FOR CONSENT	JP	AC	A CUNNINGHAM	17/12/2024



CULVERT PRODUCT SPECIFICATION - PROMAX ENDURO
6,000L CHAMBER CONVERTED TO 6m LONG CULVERT

PRELIMINARY

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				DESIGNED BY: J PEETERS	SIGNED:	DATE: 17/12/2024					
				CHECKED BY: A CUNNINGHAM	SIGNED:	DATE: 17/12/2024					
				APPROVED FOR RELEASE BY: A CUNNINGHAM	SIGNED:	DATE: 17/12/2024					
REVISION	DATE	FOR CONSENT	AMENDMENT	BY	APPD.					DRAWING No.	REVISION
A	17/12/2024	FOR CONSENT		JP	AC					N.007799.60.01.C701	A



CULVERT PRODUCT SPECIFICATION - PROMAX ENDURO
6,000L CHAMBER CONVERTED TO 6m LONG CULVERT

PRELIMINARY

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A	17/12/2024	FOR CONSENT		JP AC	APPROVED FOR RELEASE BY:	SIGNED:	DATE:
REVISION	DATE	AMENDMENT		RY APPD	A CUNNINGHAM		DATE:

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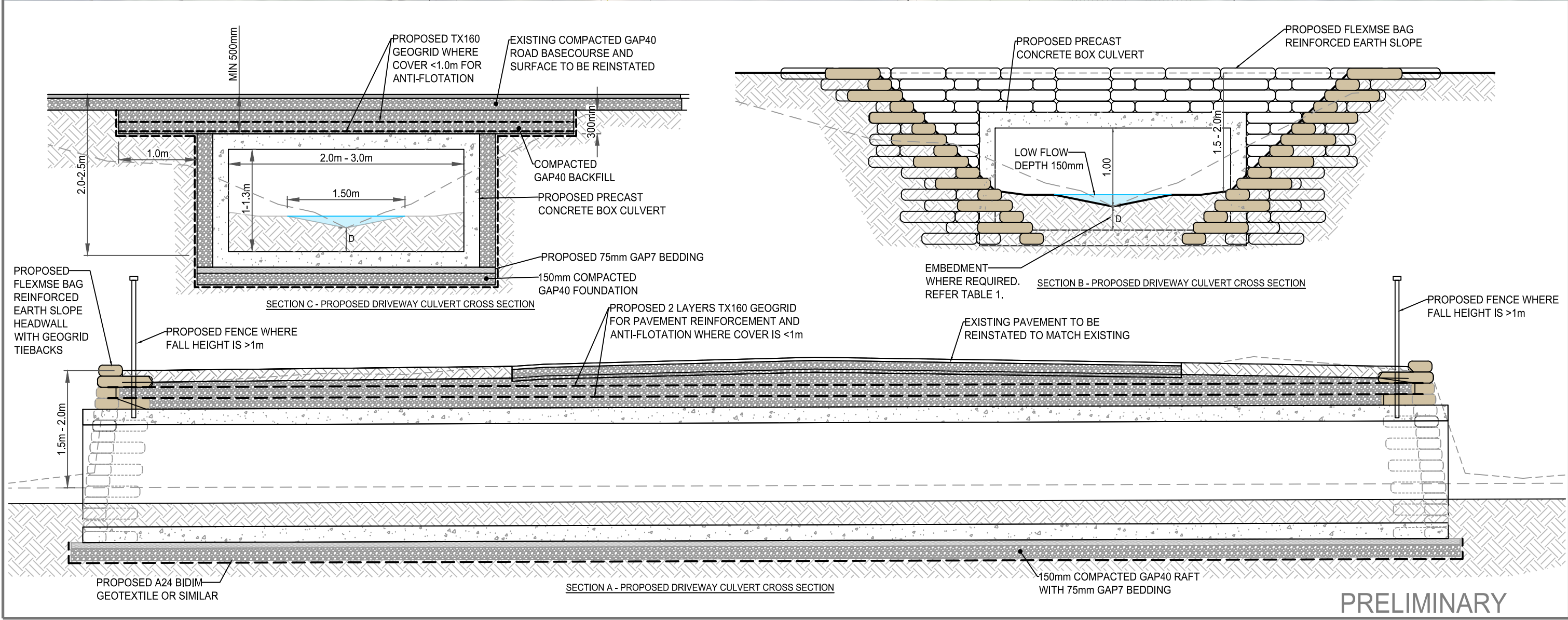
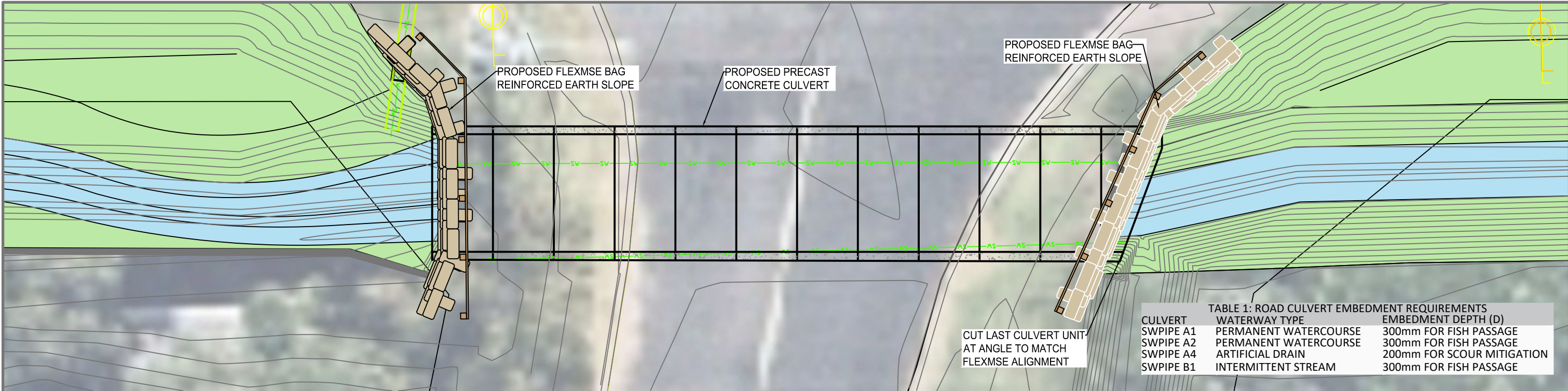
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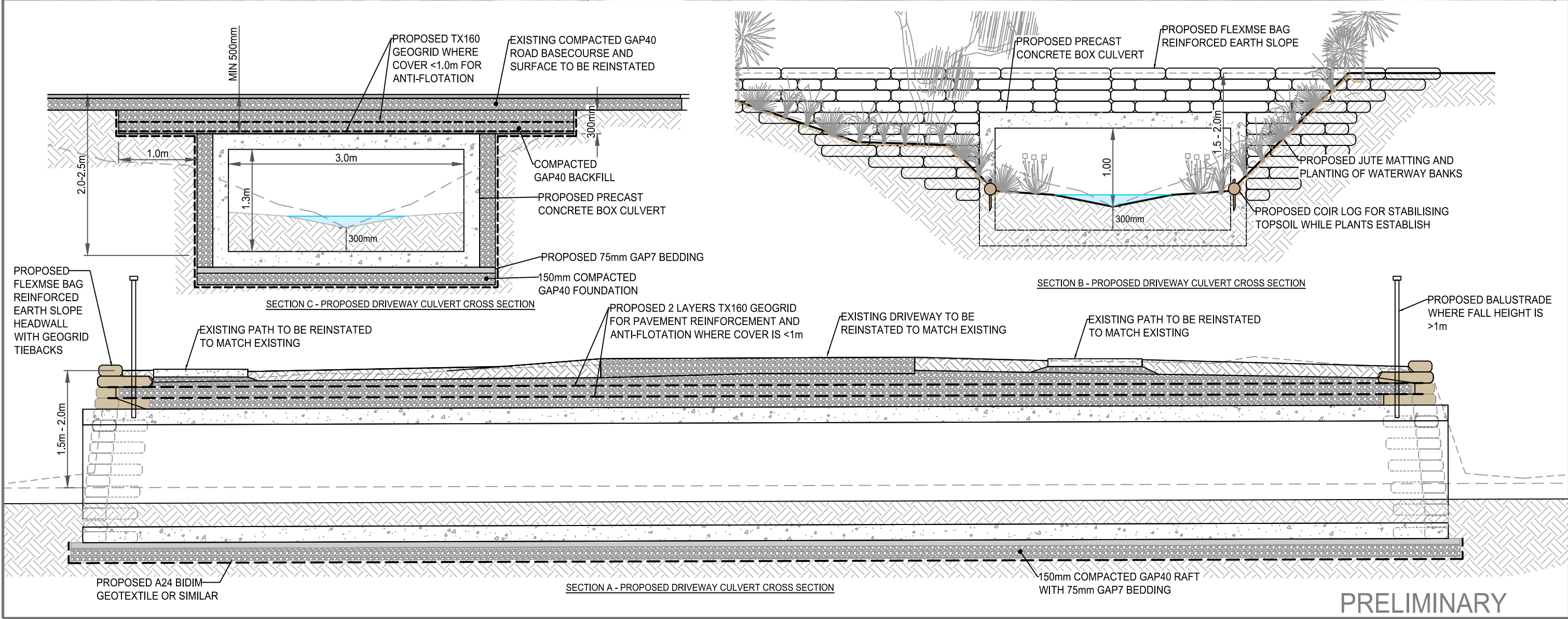
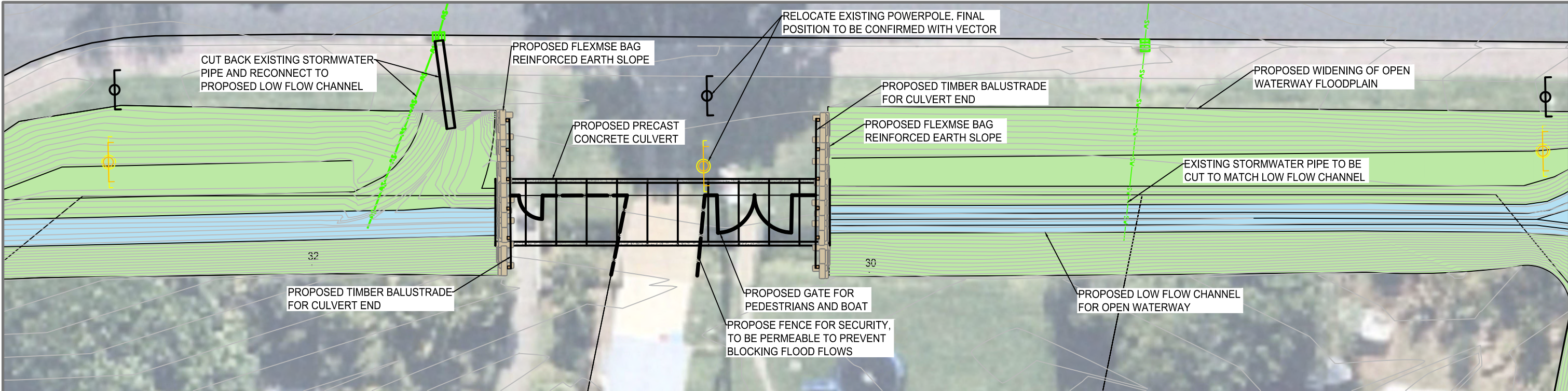
TITLE: **BLACKPOOL SW IMPROVEMENTS STAGE 1
DETAILS
TWIN 12m LONG DRIVEWAY CULVERT >0.5m COVER**

ORIGINAL SCALE A3	WBS No.
SCALE 1:2000	N.007799.60
DRAWING No.	REVISION
N.007799.60.01.C702	A



PRELIMINARY

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					DESIGNED BY: J PEETERS	SIGNED:	DATE: 17/12/2024	SCALE 1:2000				N.007799.60			
					CHECKED BY:	SIGNED:	DATE:	DRAWING No.				REVISION			
B	17/02/2024	FOR CONSENT		JP	AC	A CUNNINGHAM	SIGNED:	DATE: 17/12/2024				N.007799.60.01.C705		B	
A	17/12/2024	FOR CONSENT		JP	AC	APPROVED FOR RELEASE BY: A CUNNINGHAM	SIGNED:	DATE: 17/12/2024							
REVISION	DATE	AMENDMENT		BY	APPD.										

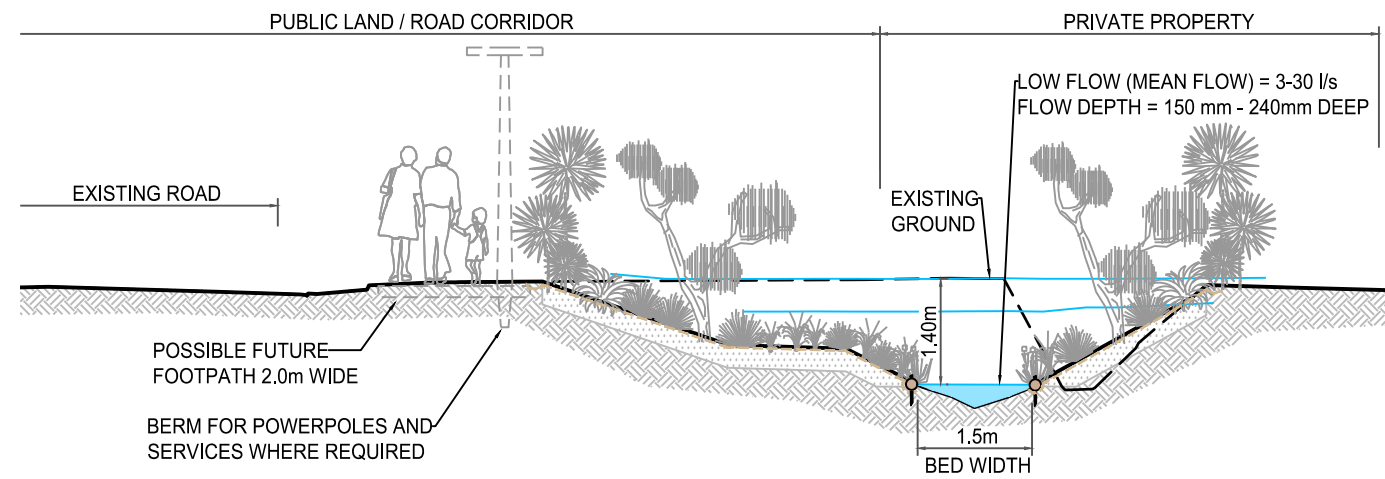


PRELIMINARY

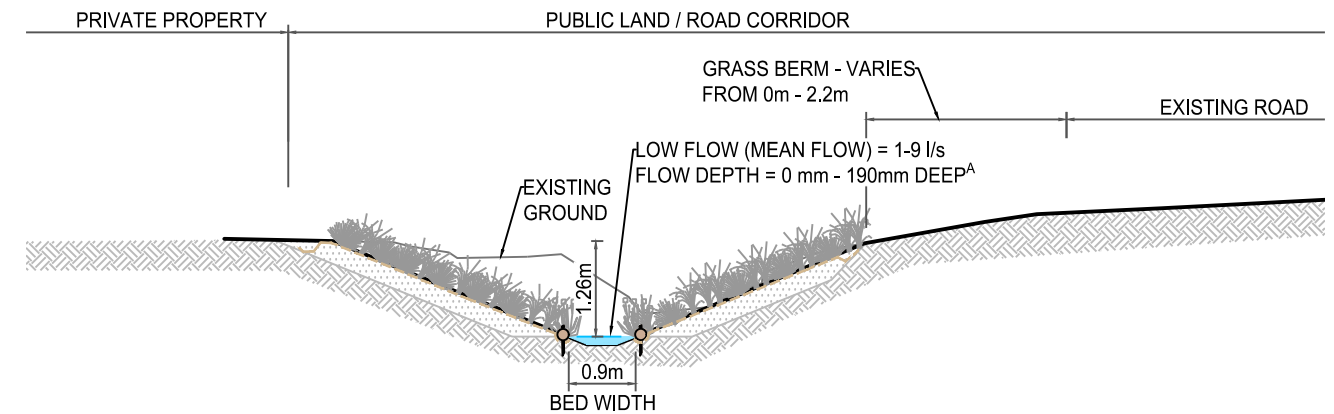
				DRAWN BY: J PEETERS	SIGNED:	DATE: 17/12/2024	Healthy Waters Design Office AUCKLAND COUNCIL, LEVEL 3, BLEDISLOE HOUSE	Auckland Council Te Kaunihera o Tamaki Makaurau COPYRIGHT - This drawing, the design and concept, remain the exclusive property of Auckland Council and may not be used without approval. Copyright reserved.	TITLE: BLACKPOOL SW IMPROVEMENTS STAGE 1 DETAILS 30 & 32 TUI STREET CULVERT	ORIGINAL SCALE A3		WBS No.	
				DESIGNED BY: J PEETERS	SIGNED:	DATE: 17/12/2024				NTS		N.007799.60	
				CHECKED BY: A CUNNINGHAM	SIGNED:	DATE: 17/12/2024				DRAWING No.		REVISION	
				APPROVED FOR RELEASE BY: A CUNNINGHAM	SIGNED:	DATE: 17/12/2024				N.007799.60.01.C706		A	
A	2025-04-24	FOR CONSENT		JP	AC								
REVISION	DATE	AMENDMENT		BY	APPD.								

Plot Date: 20-Aug-25 5:09 pm
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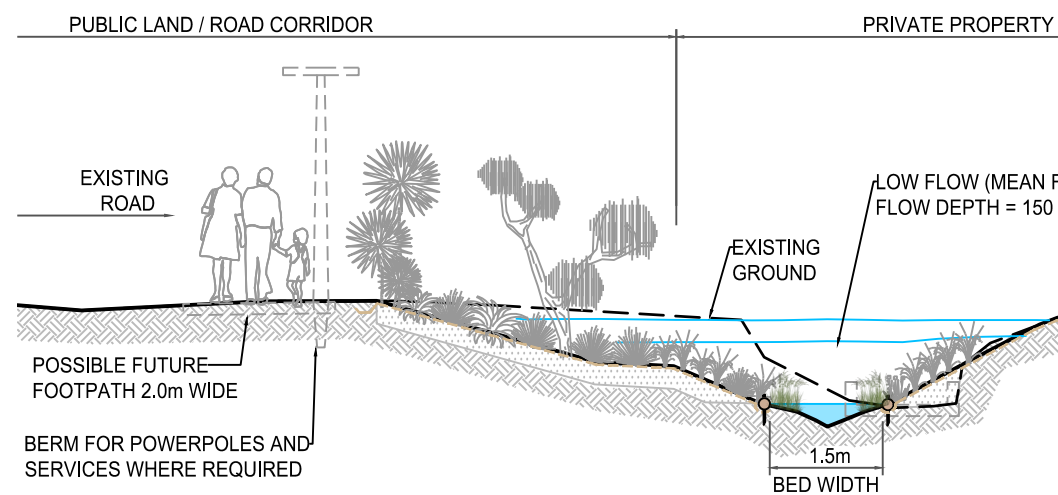
NOTE:
A. THIS SECTION OF STREAM IS INTERMITTENT SO IS
LIKELY TO BE DRY IN SOME PERIODS WITH NO DEPTH



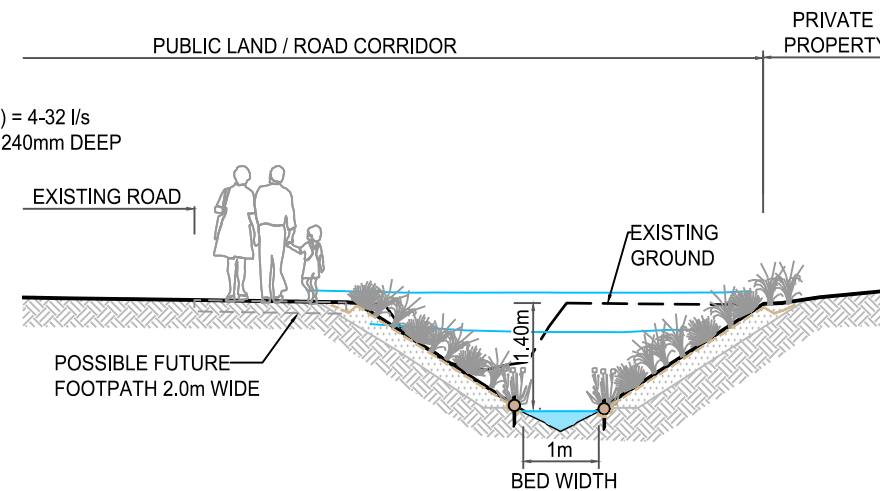
SECTION C - OPEN CHANNEL DETAIL - TUI ST TO NIKAU RD - CHAINAGE 200 (P3)



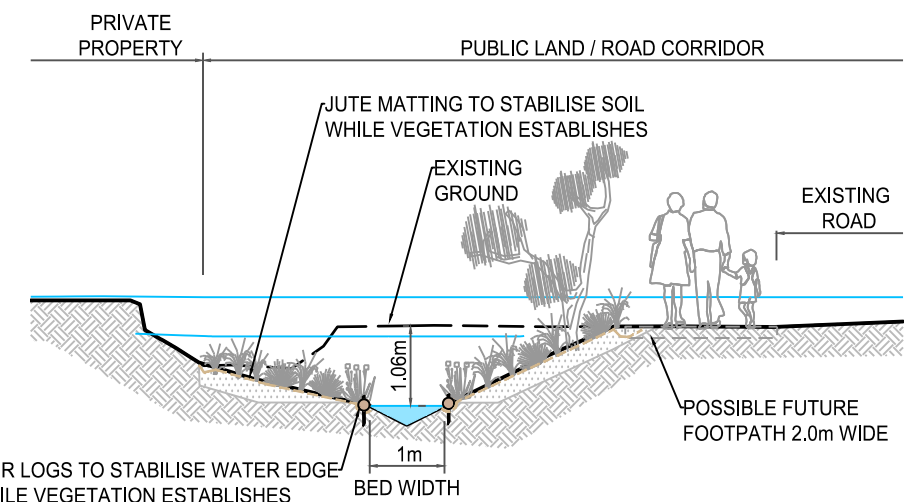
SECTION F - OPEN CHANNEL DETAIL - MOA AVE NORTH - CHAINAGE 20 (P6)



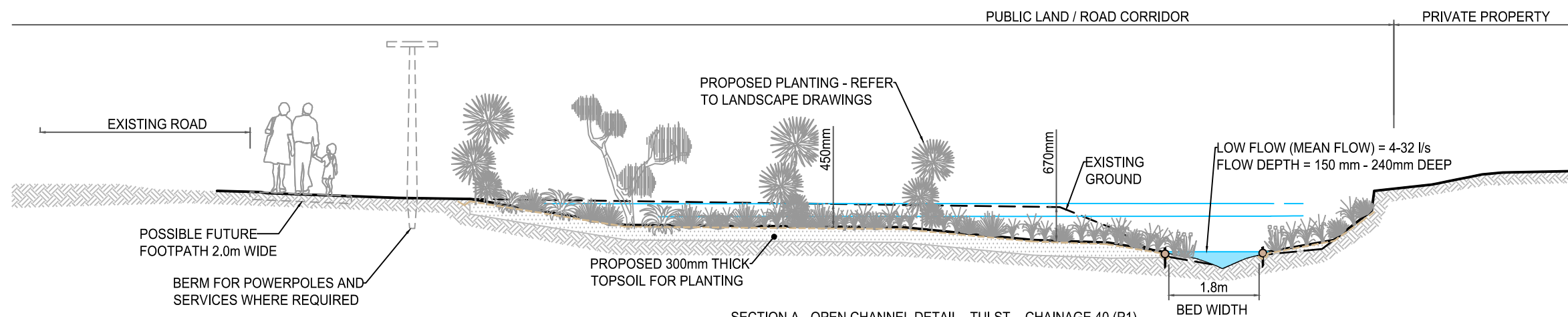
SECTION B - OPEN CHANNEL DETAIL - TUI ST TO NIKAU RD - CHAINAGE 100 (P2)



SECTION D - OPEN CHANNEL DETAIL - TUI ST TO NIKAU RD - CHAINAGE 280



SECTION E - OPEN CHANNEL DETAIL - TUI ST TO NIKAU RD - CHAINAGE 340



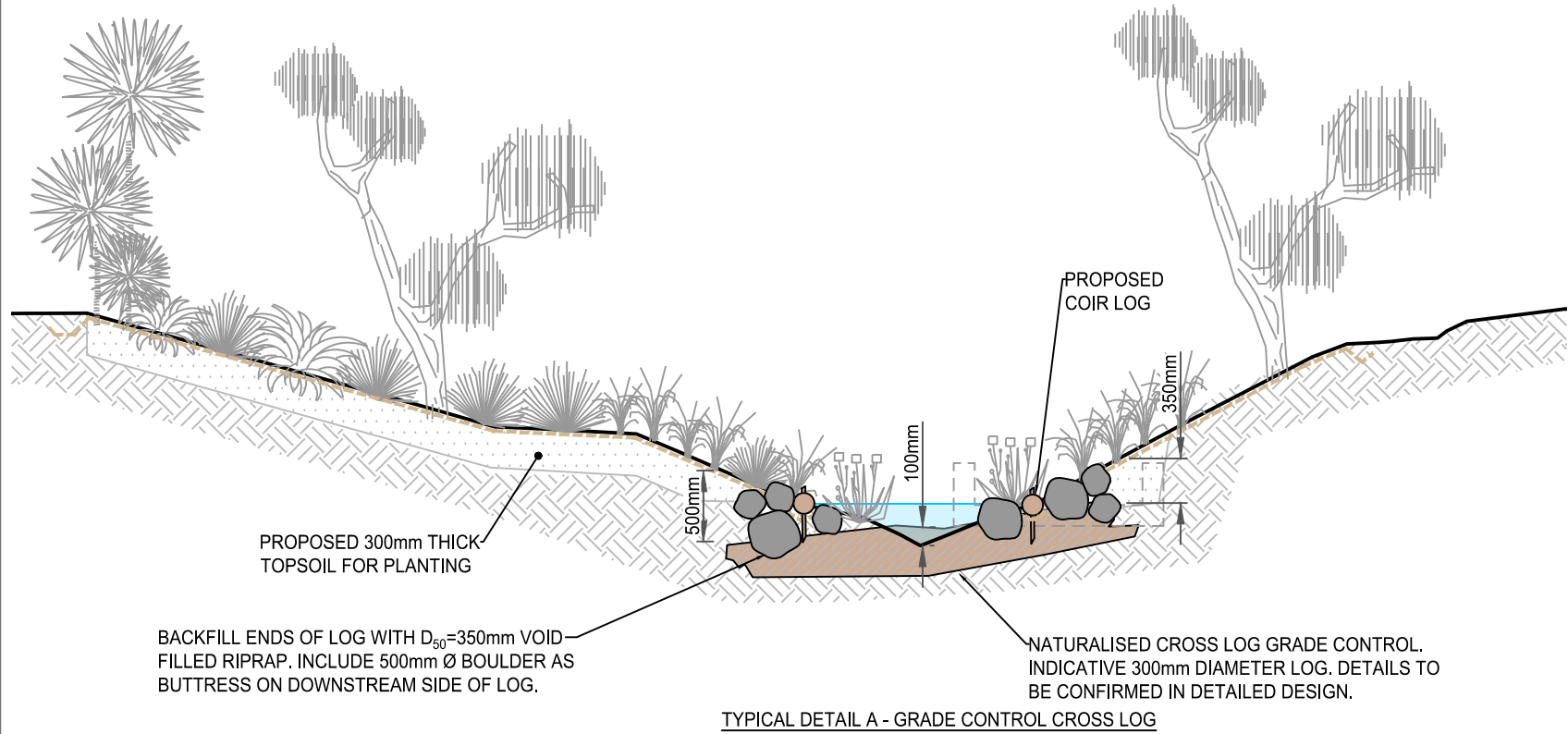
SECTION A - OPEN CHANNEL DETAIL - TUI ST - CHAINAGE 40 (P1)

TABLE 1: LOW FLOW (MEAN FLOW) ESTIMATE		
SECTION	LOW FLOW	LOW FLOW DEPTH
P1	4 - 32 l/s	150 - 240 mm
P2	4 - 32 l/s	150 - 240 mm
P3	3 - 30 l/s	150 - 240 mm
P5	2 - 14 l/s	160 - 200 mm
P6	1 - 9 l/s	0 - 190 mm ^A

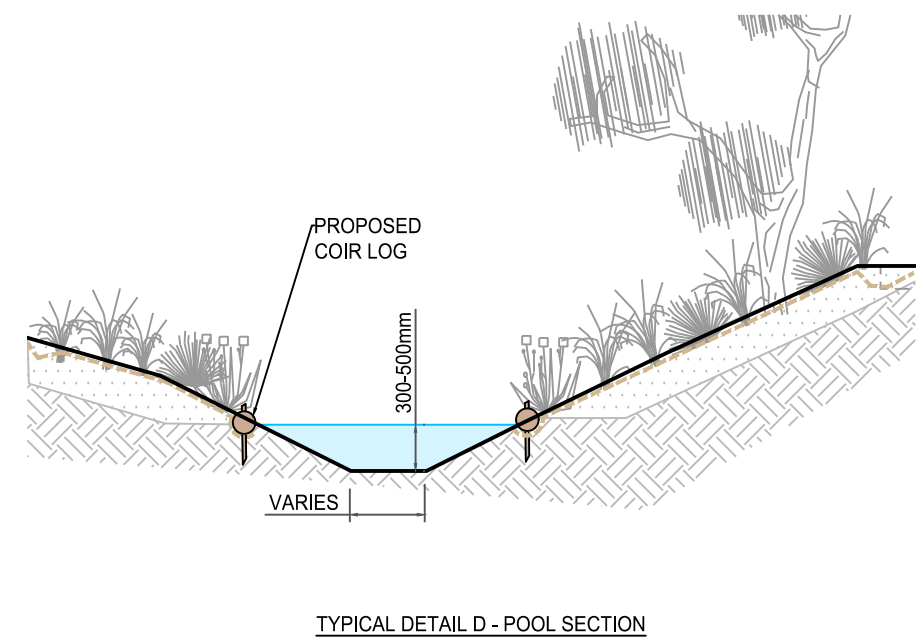
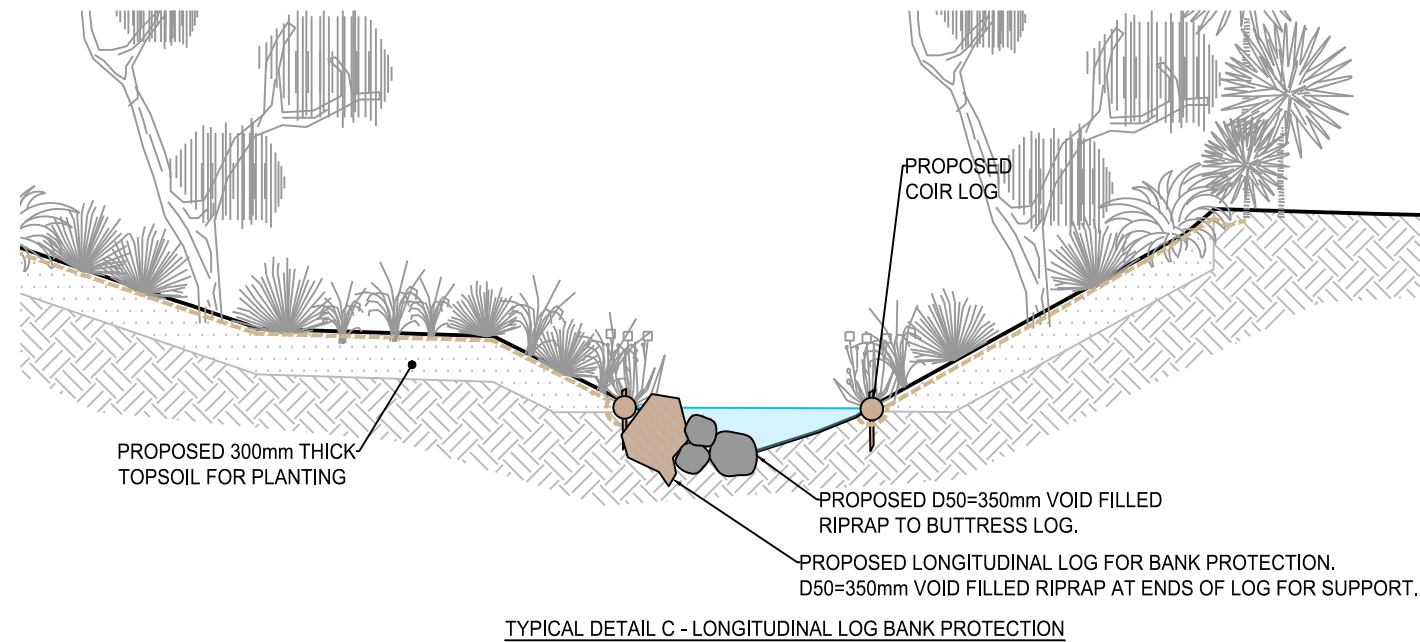
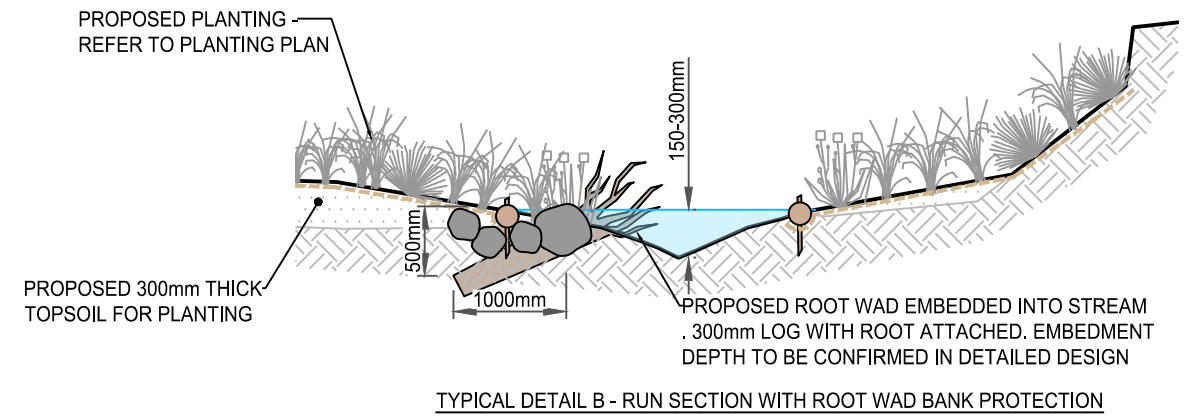
PRELIMINARY

				DRAWN BY: J PEETERS	SIGNED:	DATE: 17/12/2024	 Healthy Waters Design Office AUCKLAND COUNCIL, LEVEL 3, BLEDISLOE HOUSE	 Te Kaunihera o Tamaki Makaurau	TITLE: BLACKPOOL SW IMPROVEMENTS STAGE 1 DETAILS OPEN CHANNEL CROSS SECTIONS	ORIGINAL SCALE A3	WBS No.
				DESIGNED BY: J PEETERS	SIGNED:	DATE: 17/12/2024				SCALE	N.007799.60
				CHECKED BY:	SIGNED:	DATE:				DRAWING No.	REVISION
B	06/08/2025	S92 UPDATE	JP	A CUNNINGHAM		17/12/2024				N.007799.60.01.C710	B
A	17/12/2024	FOR CONSENT	JP AC	APPROVED FOR RELEASE BY:	SIGNED:	DATE:					
REVISION	DATE	AMENDMENT	BY	APPD:	A CUNNINGHAM	17/12/2024					

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- NOTES:
1. DETAILS SHOWN AS INDICATIVE ONLY. DIMENSIONS SUCH AS LOG DIAMETER, EMBEDMENT DEPTH, COVER AND ANCHORING REQUIREMENT TO BE CONFIRMED DURING DETAILED DESIGN.
 2. NO RIFFLE SECTIONS ARE PROPOSED BECAUSE THE WATERWAY RESEMBLES A RIVERINE WETLAND WHICH TYPICALLY DOES NOT HAVE RIFFLES AND IS NATURALLY SOFT-BOTTOMED. GRADE CONTROL LOGS WILL PROVIDE SOME TURBULENCE AND OXYGENATION OF WATER.



PRELIMINARY

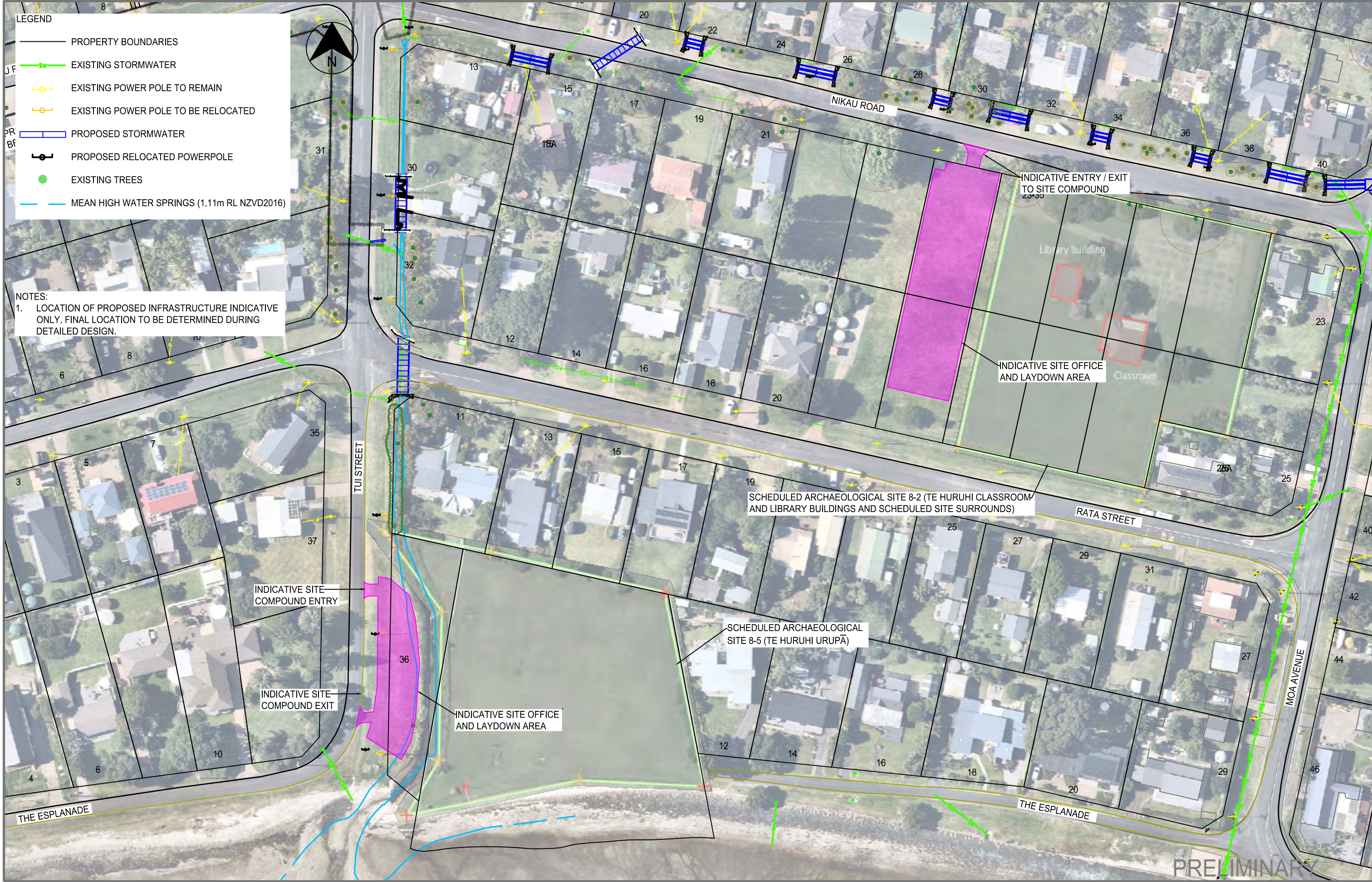
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REVISION	DATE	AMENDMENT	BY	APPD.				
A	17/12/2024	FOR CONSENT	JP	AC				

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TITLE:		ORIGINAL SCALE A3		WBS No.	
BLACKPOOL SW IMPROVEMENTS STAGE 1		SCALE		N.007799.60	
DETAILS		DRAWING No.		REVISION	
WATERWAY FEATURES		N.007799.60.01.C711		A	



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				APPROVED FOR RELEASE BY: A CUNNINGHAM		SIGNED:	DATE: 17/12/2024
REVISION	DATE	AMENDMENT	BY	APPD.			
B	11/02/2025	ADDED MHWS	JP	AC			
A	17/12/2024	FOR CONSENT	JP	AC			

Healthy Waters Design Office		Auckland Council Te Kaunihera o Tamaki Makaurau		TITLE: BLACKPOOL SW IMPROVEMENTS STAGE 1 PROPERTY PLANS INDICATIVE SITE COMPOUND LOCATION
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ORIGINAL SCALE A3 SCALE 1:1000	WBS No. N.007799.60
DRAWING No. N.007799.60.01.C731	REVISION A