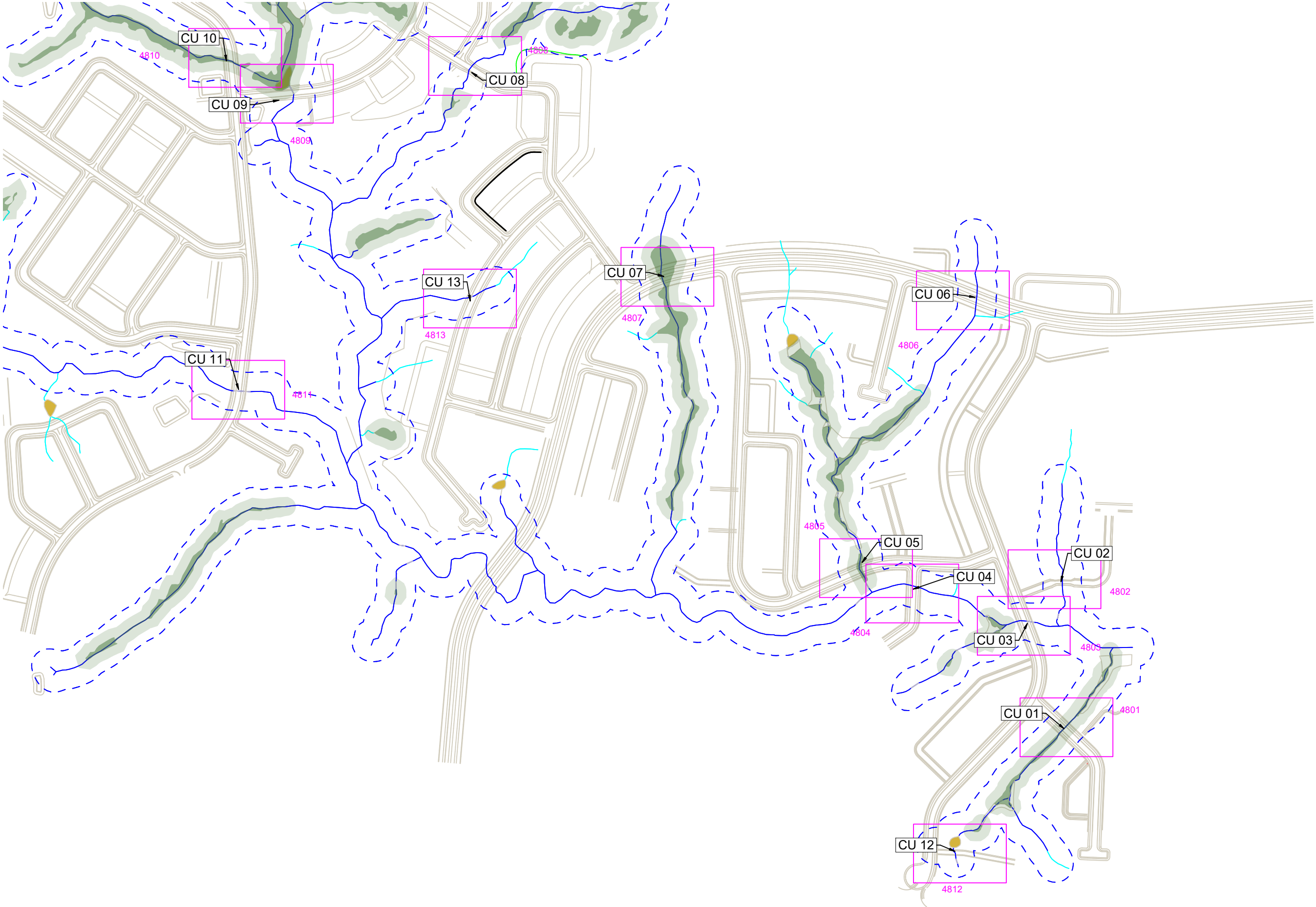
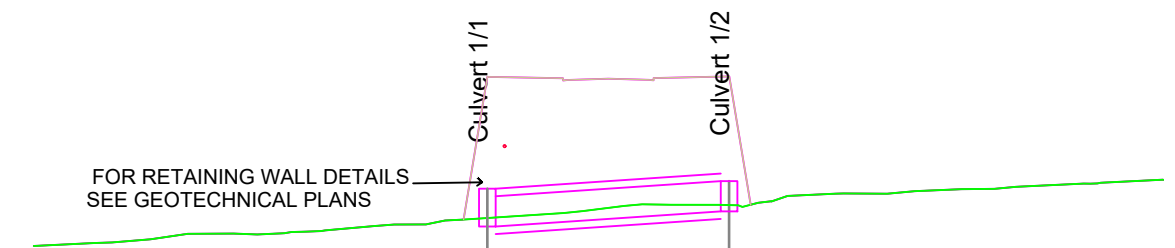




F	FLOOD MODELLING UPDATES	SH	JK	17/07/2025	
E	FOR CONSENT	ZW	JK	2/07/2025	
D	FOR TENDER	MO	PO	15/05/2025	
C	Updated contours	SH	JK	JK 11/02/2025	
B	Updated wetlands	SH	JK	JK 21/01/2025	
A	FIRST ISSUE	SH	JK	JK 16/01/2025	
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



CLIENT:	PROJECT:	TITLE:	PURPOSE OF ISSUE:
VINEWAY LIMITED	DELMORE STAGE 1 & 2 53A, 53B & 55 RUSSELL ROAD OREWA	STORMWATER CULVERT PLAN OVERALL	RESOURCE CONSENT
SCALE:			DO NOT SCALE
DRAWING NO:			REV:
3725-0-4800			F



Culvert 01 - LONGSECTION



SCALE HORIZ=1:500 @ A3

VERT=1:500 @ A3



MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
STAGE 1
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
CULVERT PLAN
CULVERT 1

PURPOSE OF ISSUE:

RESOURCE CONSENT

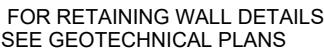
SCALE:

1:300 @ A3

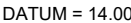
DO NOT SCALE

DRAWING NO:

3725-0-4801



Culvert 02 - LONGSECTION



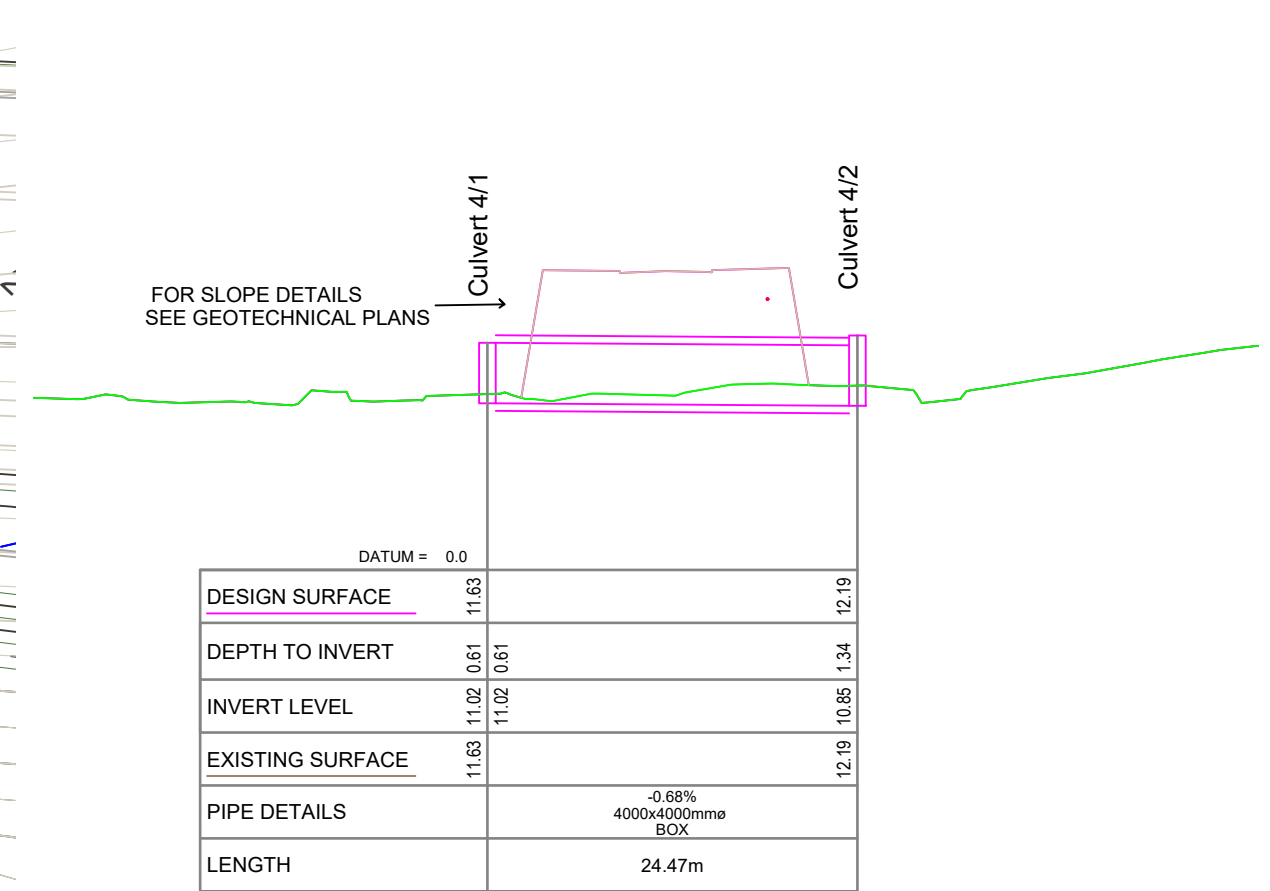
VERT=1:500 @ A3



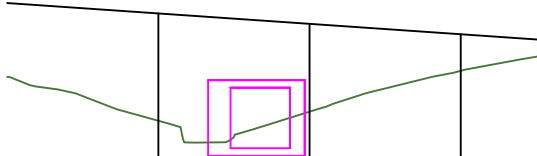
VINEWAY LIMITED

STORMWATER
CULVERT PLAN
CULVERT 2

REV:



Culvert 04 - LONGSECTION

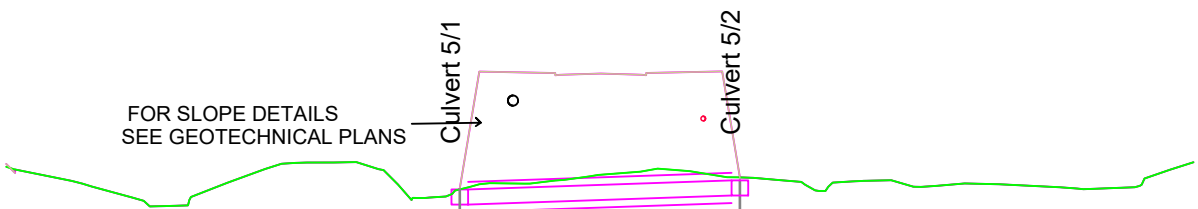
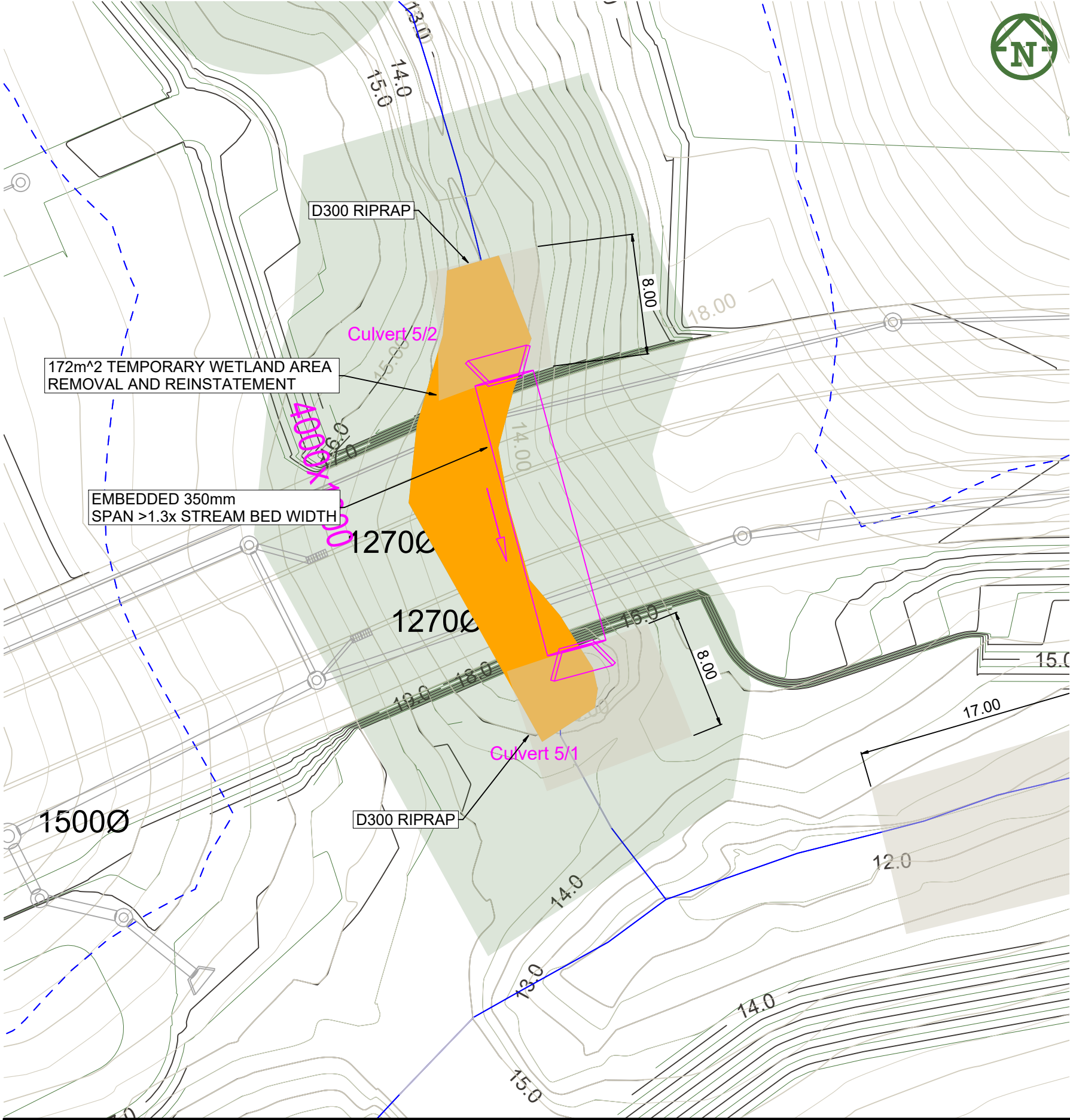


DATUM = 8.00

DESIGN SURFACE	19.79	19.10	18.41
CUT/FILL DEPTHS	7.10	5.81	2.42
EXISTING SURFACE	12.69	13.29	15.99
CHAINAGES	10.0	20.0	30.0

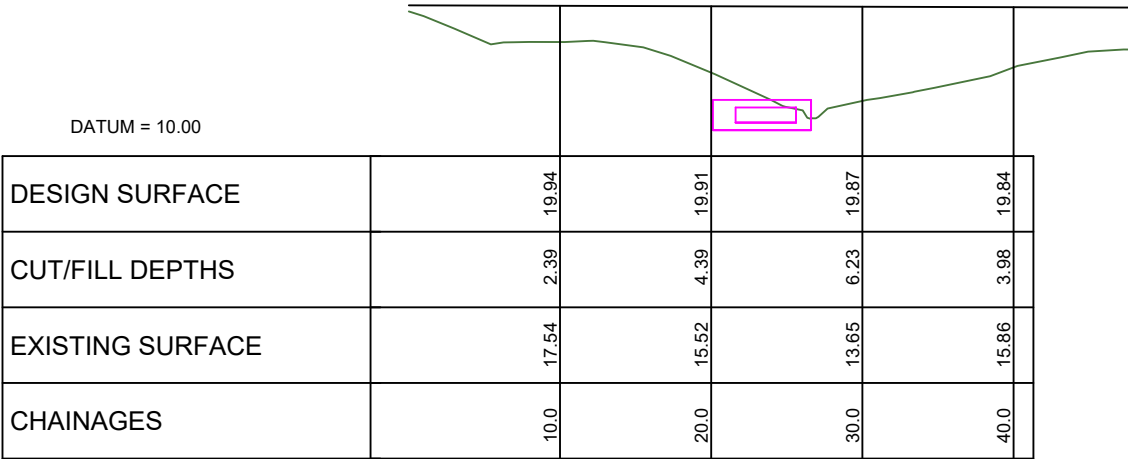
SCALE HORIZ=1:500 @ A3 VERT=1:500 @ A3

					CLIENT:			PROJECT:			TITLE:			PURPOSE OF ISSUE:		
F	FLOOD MODELLING UPDATES	SH	JK	17/07/2025	 VINEWAY LIMITED		DELMORE STAGE 1 53A, 53B & 55 RUSSELL ROAD OREWA <td colspan="2" rowspan="6"> STORMWATER CULVERT PLAN CULVERT 4 </td> <td colspan="2" rowspan="6"> RESOURCE CONSENT SCALE: 1:300 @ A3 DO NOT SCALE DRAWING NO: 3725-0-4804 REV: F </td>		STORMWATER CULVERT PLAN CULVERT 4		RESOURCE CONSENT SCALE: 1:300 @ A3 DO NOT SCALE DRAWING NO: 3725-0-4804 REV: F					
E	FOR CONSENT	ZW	JK	2/07/2025												
D	FOR TENDER	MO	PO	15/05/2025												
C	Updated contours	SH	JK	JK 11/02/2025												
B	Updated wetlands	SH	JK	JK 21/01/2025												
A	FIRST ISSUE	SH	JK	JK 16/01/2025												
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE											



DATUM = 1.0		
DESIGN SURFACE	12.77	13.50
DEPTH TO INVERT	1.07	1.20
INVERT LEVEL	11.70	12.30
EXISTING SURFACE	12.71	13.50
PIPE DETAILS	3.24% 4000x1000mmø BOX	
LENGTH	18.53m	

Culvert 05 - LONGSECTION



DATUM = 10.00					
DESIGN SURFACE		19.94	19.91	19.87	19.84
CUT/FILL DEPTHS		2.39	4.39	6.23	3.98
EXISTING SURFACE		17.54	15.52	13.65	15.86
CHAINAGES		10.0	20.0	30.0	40.0

Culvert 05 - ELEVATION VIEW

SCALE HORIZ=1:500 @ A3 VERT=1:500 @ A3

F	FLOOD MODELLING UPDATES	SH	JK	17/07/2025	
E	FOR CONSENT	ZW	JK	2/07/2025	
D	FOR TENDER	MO	PO	15/05/2025	
C	Updated contours	SH	JK	JK 11/02/2025	
B	Updated wetlands	SH	JK	JK 21/01/2025	
A	FIRST ISSUE	SH	JK	JK 16/01/2025	
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



VINEWAY LIMITED

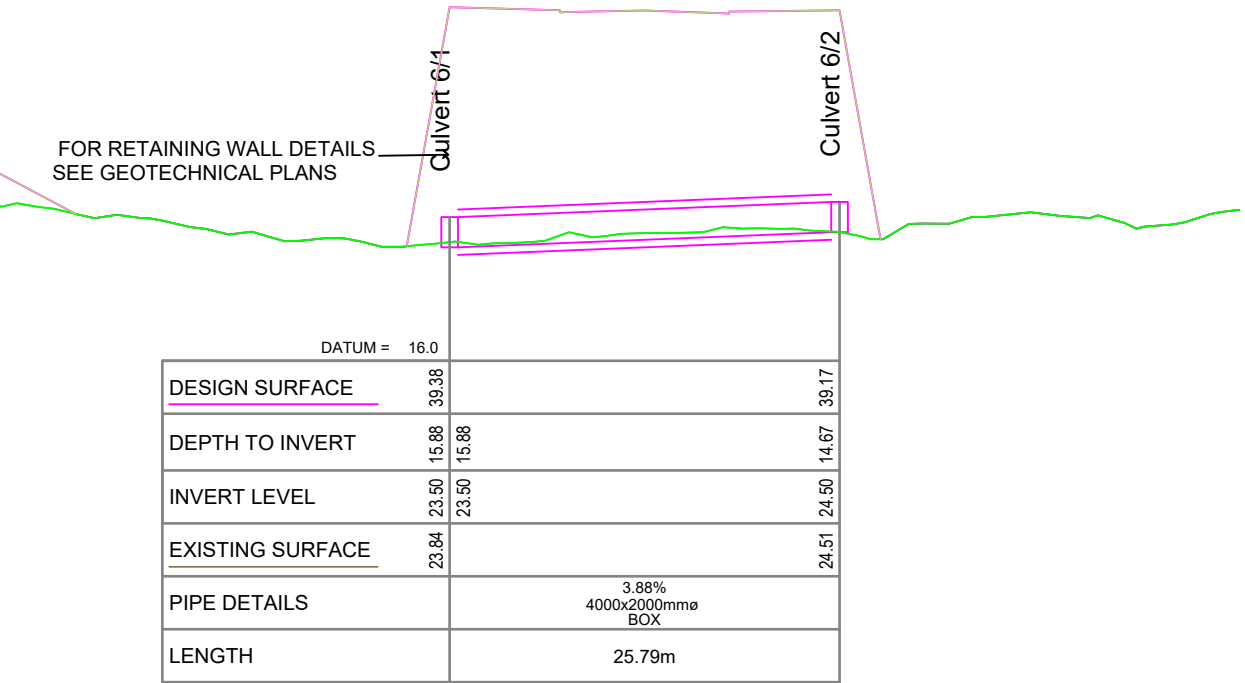
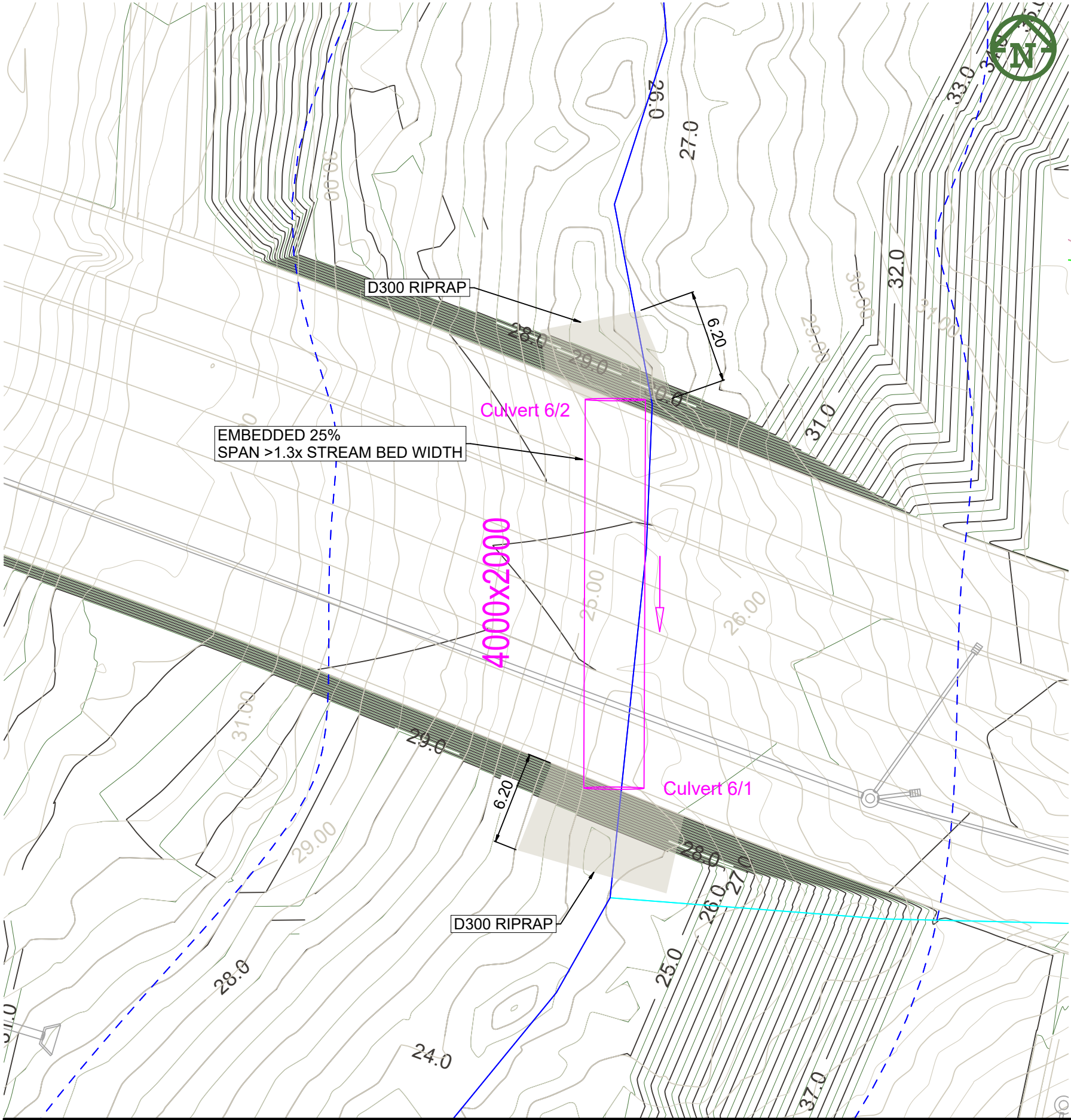
DELMORE
STAGE 1
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
CULVERT PLAN
CULVERT 5

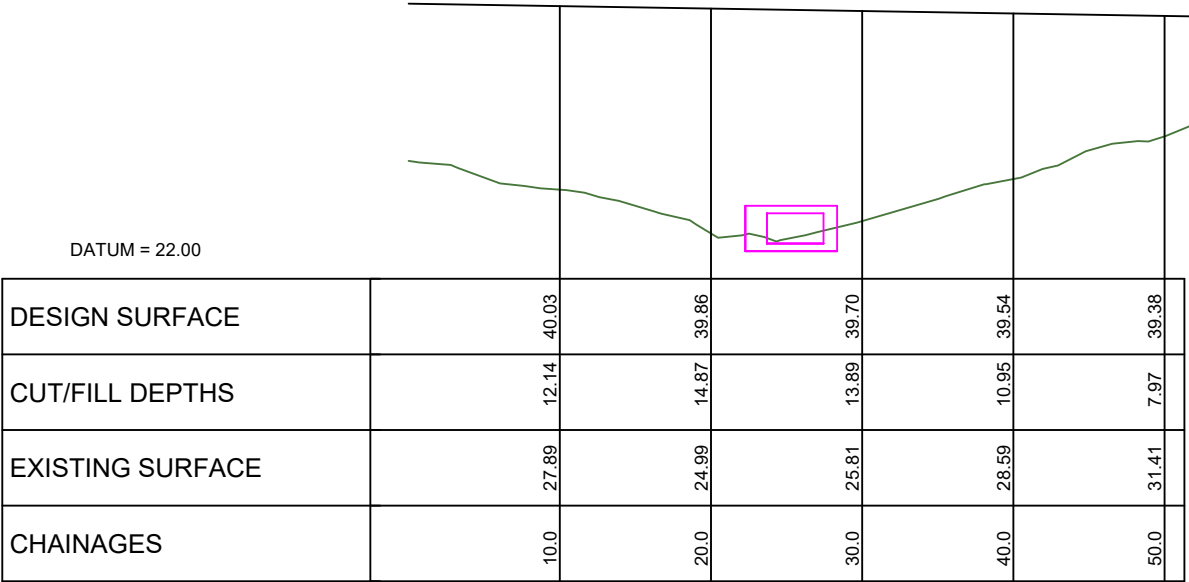
PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:300 @ A3
DO NOT SCALE
DRAWING NO:
3725-0-4805

REV:
F

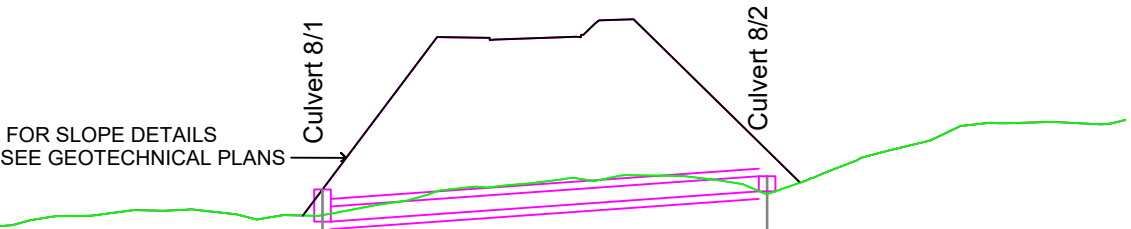
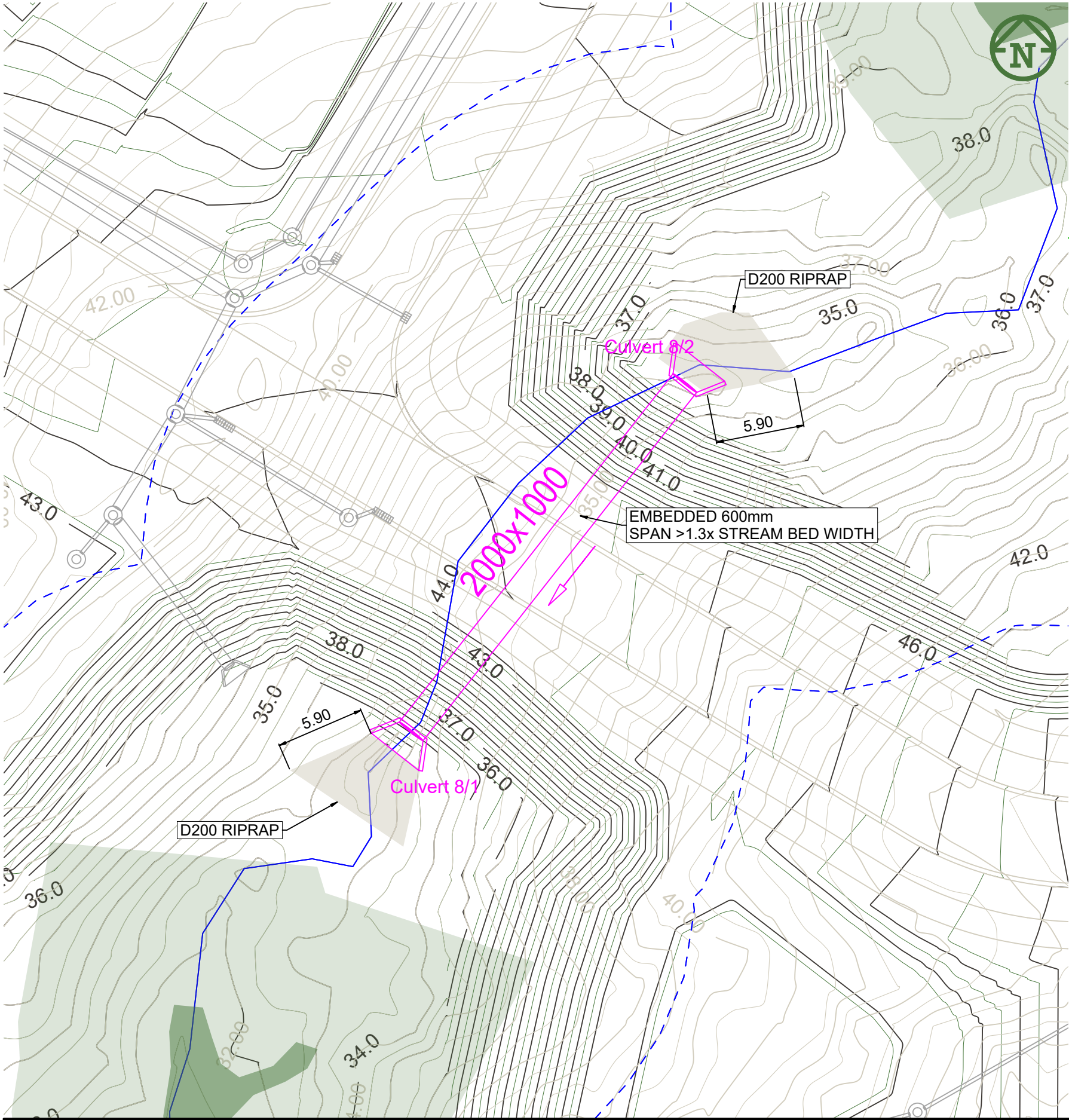


Culvert 06 - LONGSECTION



Culvert 06 - ELEVATION VIEW

SCALE HORIZ=1:500 @ A3 VERT=1:500 @ A3



DATUM = 23.0			
DESIGN SURFACE	34.13		36.72
DEPTH TO INVERT	2.13	2.13	2.72
INVERT LEVEL	32.00	32.00	34.00
EXISTING SURFACE	32.43		33.82
PIPE DETAILS	6.8% 2000x1000mmø BOX		
LENGTH	29.41m		

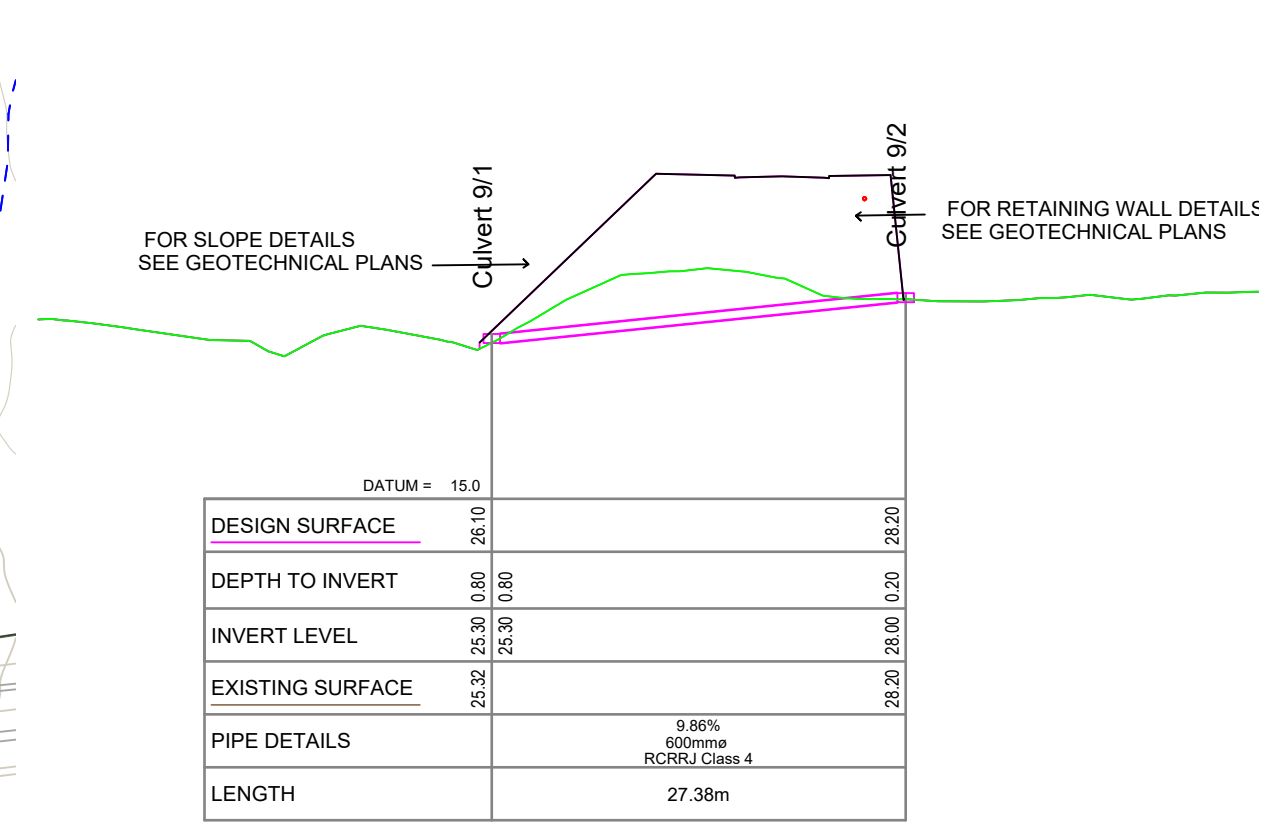
Culvert 08 - LONGSECTION



DATUM = 31.00					
DESIGN SURFACE		45.14	44.49	44.25	44.12
CUT/FILL DEPTHS		7.32	9.15	8.89	4.35
EXISTING SURFACE		37.83	35.34	35.36	39.77
CHAINAGES		10.0	20.0	30.0	40.0

Culvert 08 - ELEVATION VIEW

SCALE HORIZ=1:500 @ A3 VERT=1:500 @ A3



	10.0	20.0	30.0	40.0	50.0
CHAINAGES					
EXISTING SURFACE	30.13	28.05	28.18	28.56	30.02
CUT/FILL DEPTHS	6.10	8.31	8.29	8.04	6.70
DESIGN SURFACE	36.23	36.35	36.48	36.60	36.72

VERT=1:500 @ A3



MCKENZIE & CO.

DELMORE
STAGE 2
88, 138 & 132 UPPER OREWA ROAD
OREWA

PURPOSE OF ISSUE:

RESOURCE CONSENT

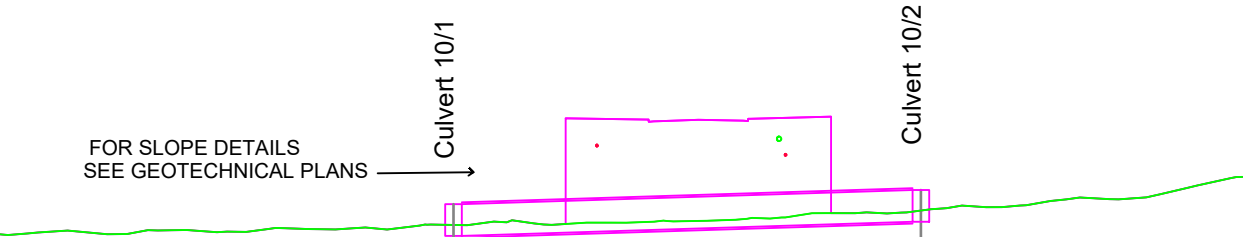
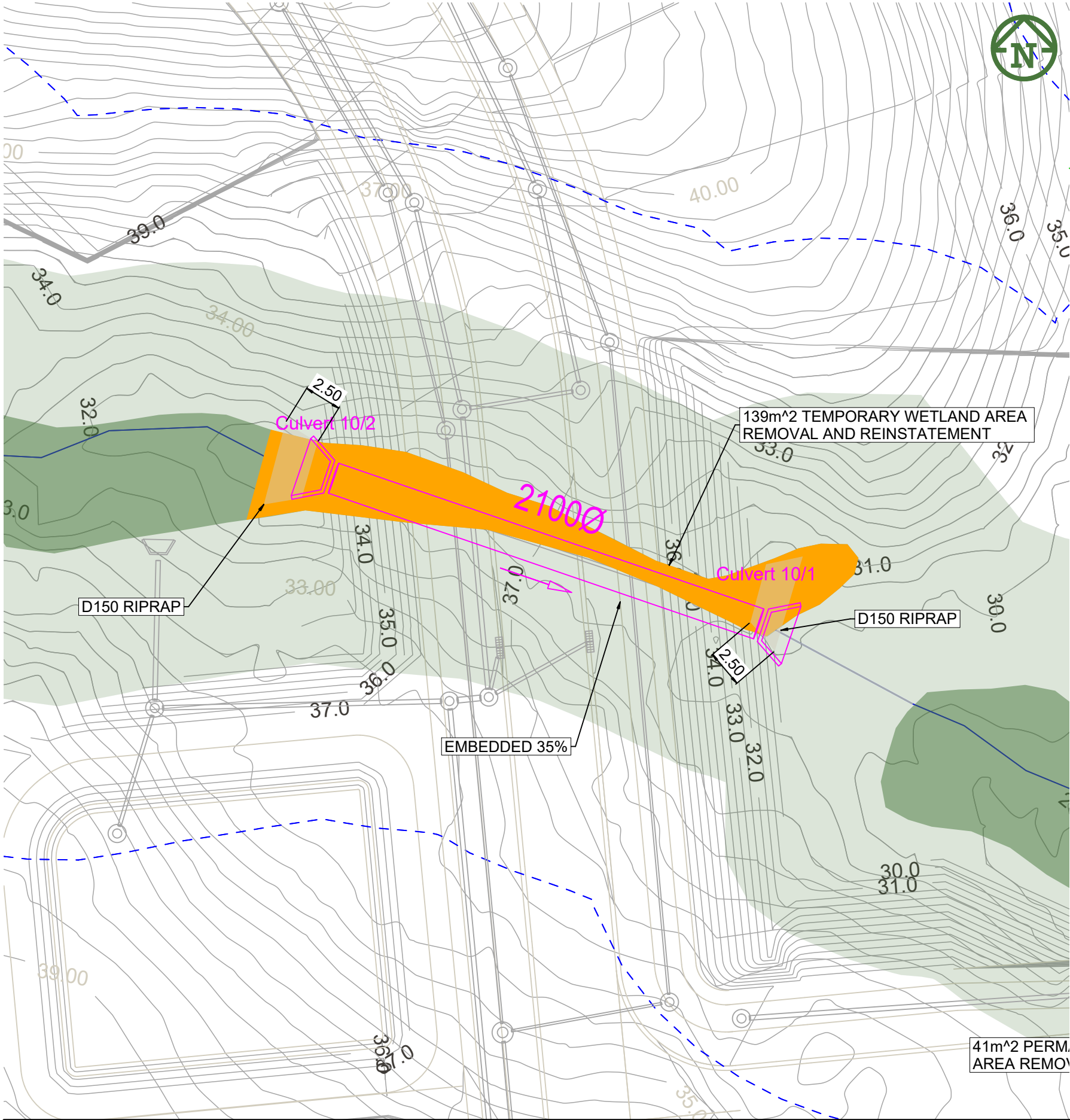
SCALE:

1:300 @ A3

DO NOT SCALE

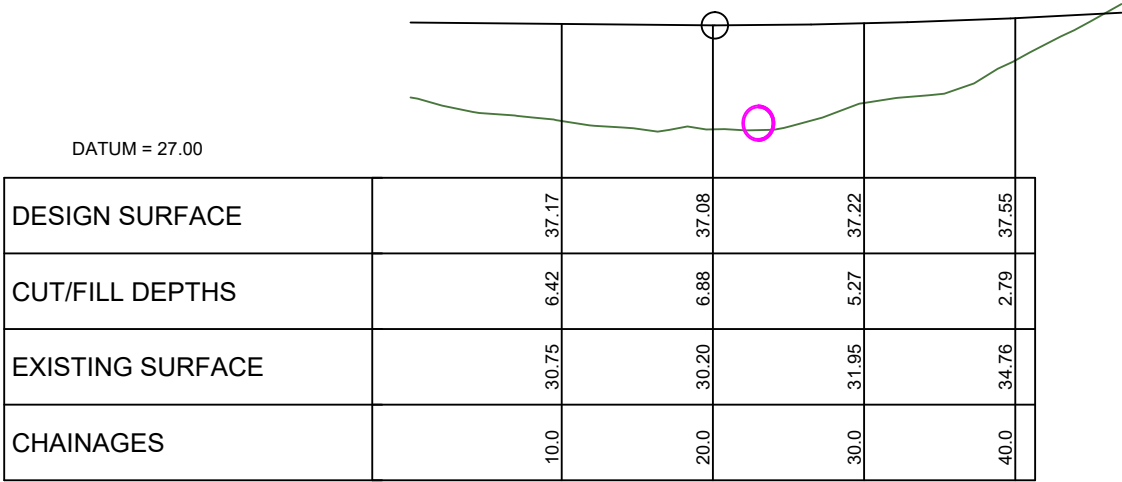
DRAWING NO:

3725-0-4809



DATUM = 18.0			
DESIGN SURFACE	30.05		31.01
DEPTH TO INVERT	0.72	0.72	0.74
INVERT LEVEL	29.33	29.33	30.27
EXISTING SURFACE	30.05		31.01
PIPE DETAILS	3.02% 2100mmø RCRRJ Class 4		
LENGTH	30.91m		

Culvert 10 - LONGSECTION



DESIGN SURFACE	37.17	37.08	37.22	37.55
CUT/FILL DEPTHS	6.42	6.88	5.27	2.79
EXISTING SURFACE	30.75	30.20	31.95	34.76
CHAINAGES	10.0	20.0	30.0	40.0

Culvert 10 - ELEVATION VIEW

SCALE HORIZ=1:500 @ A3

VERT=1:500 @ A3

F	FLOOD MODELLING UPDATES	SH	JK	17/07/2025	
E	FOR CONSENT	ZW	JK	2/07/2025	
D	FOR TENDER	MO	PO	15/05/2025	
C	Updated contours	SH	JK	JK 11/02/2025	
B	Updated wetlands	SH	JK	JK 21/01/2025	
A	FIRST ISSUE	SH	JK	JK 16/01/2025	
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



VINEWAY LIMITED

DELMORE
STAGE 2
88, 138 & 132 UPPER OREWA ROAD
OREWA

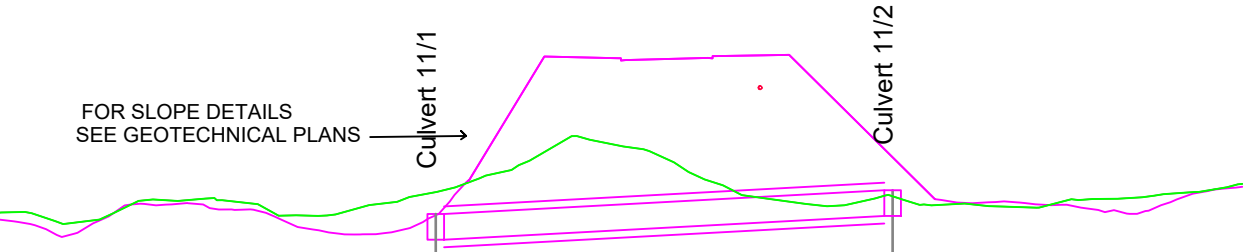
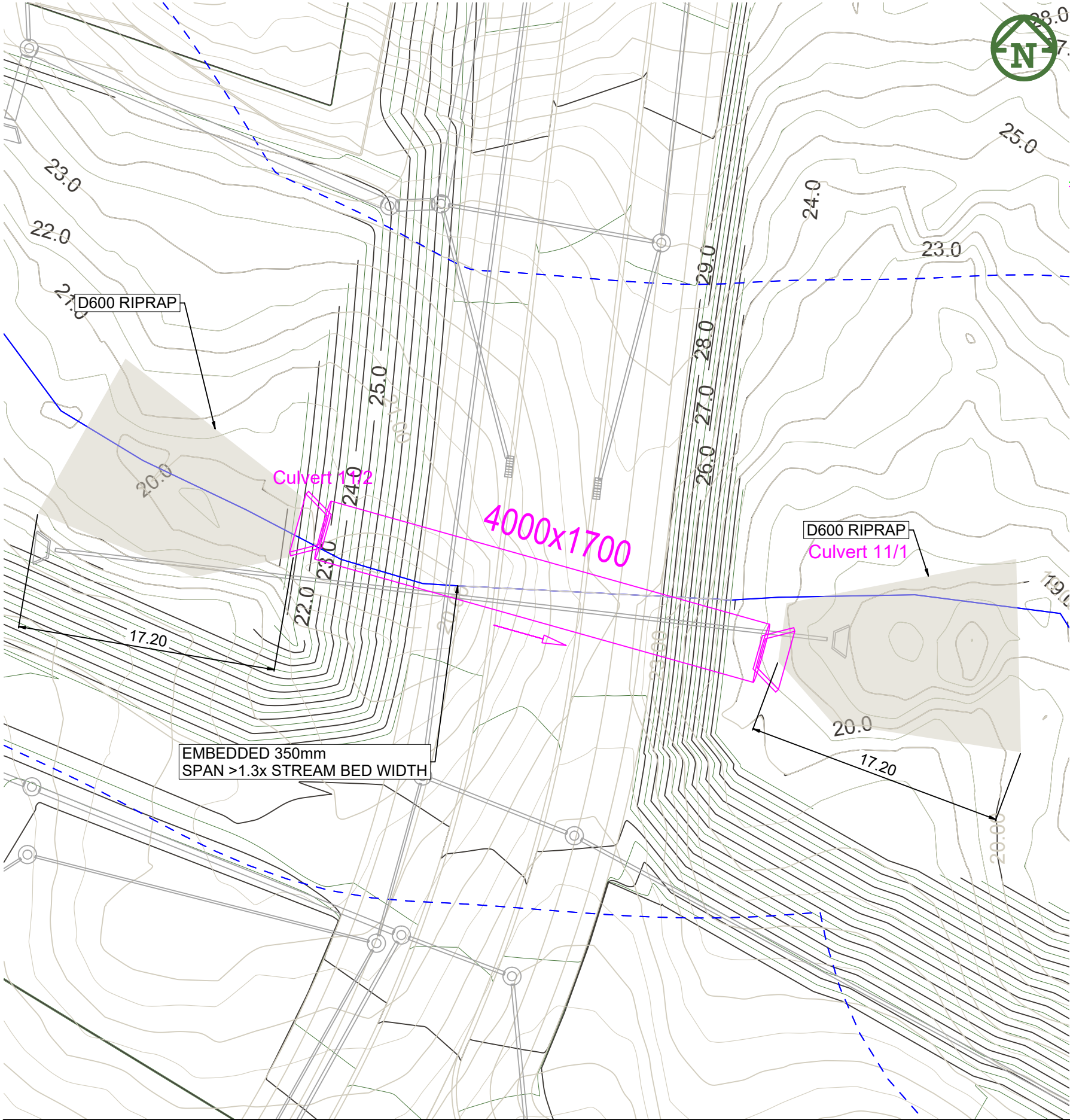
STORMWATER
CULVERT PLAN
CULVERT 10

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:300 @ A3
DO NOT SCALE

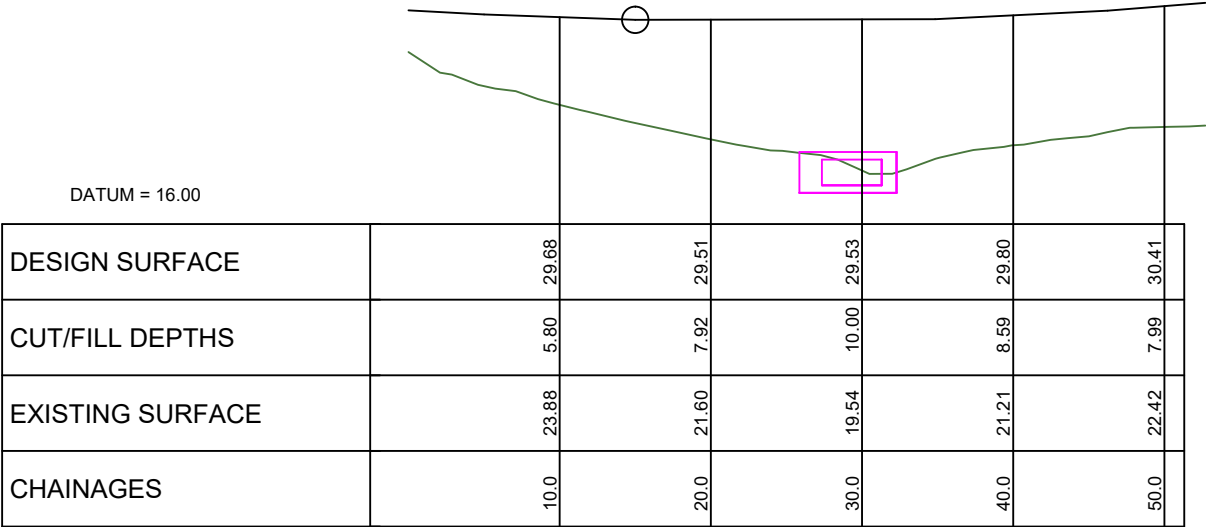
DRAWING NO:
3725-0-4810

REV:
F

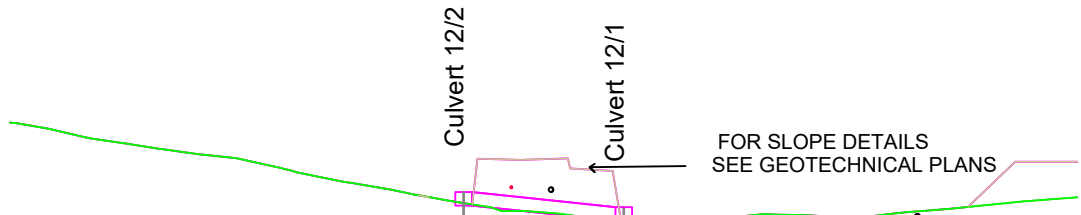
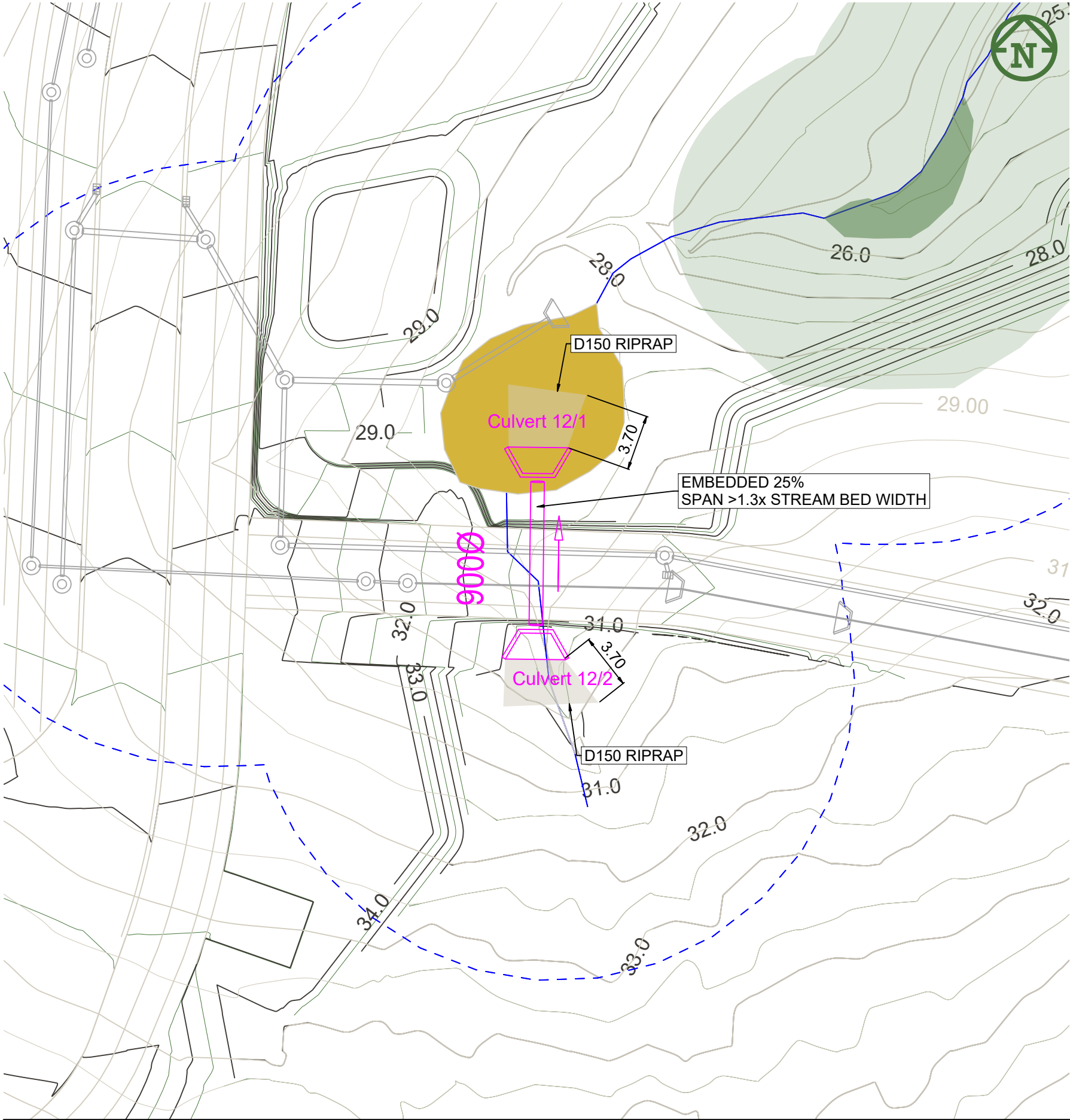


DATUM = 8.0			
DESIGN SURFACE	18.95		22.78
DEPTH TO INVERT	1.62	1.62	3.88
INVERT LEVEL	17.33	17.33	18.90
EXISTING SURFACE	20.48		20.20
PIPE DETAILS	5.2% 4000x1700mmø BOX		
LENGTH	30.22m		

Culvert 11 - LONGSECTION

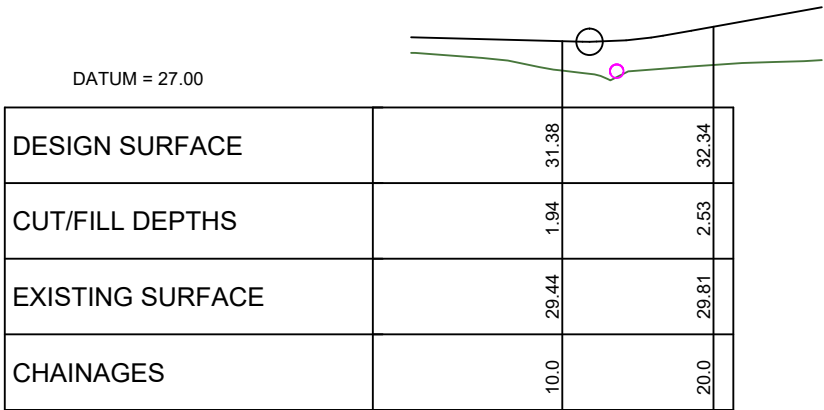


Culvert 11 - ELEVATION VIEW
SCALE HORIZ=1:500 @ A3
VERT=1:500 @ A3



DATUM = 15.0			
DESIGN SURFACE	29.17		28.19
DEPTH TO INVERT	0.17	0.19	0.19
INVERT LEVEL	29.00	28.00	28.00
EXISTING SURFACE	29.17	28.19	28.00
PIPE DETAILS	9.44% 900mmø RCRRJ		
LENGTH	10.59m		

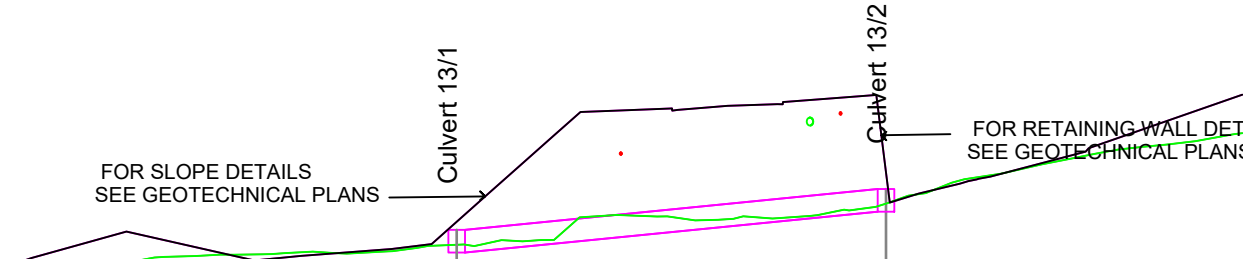
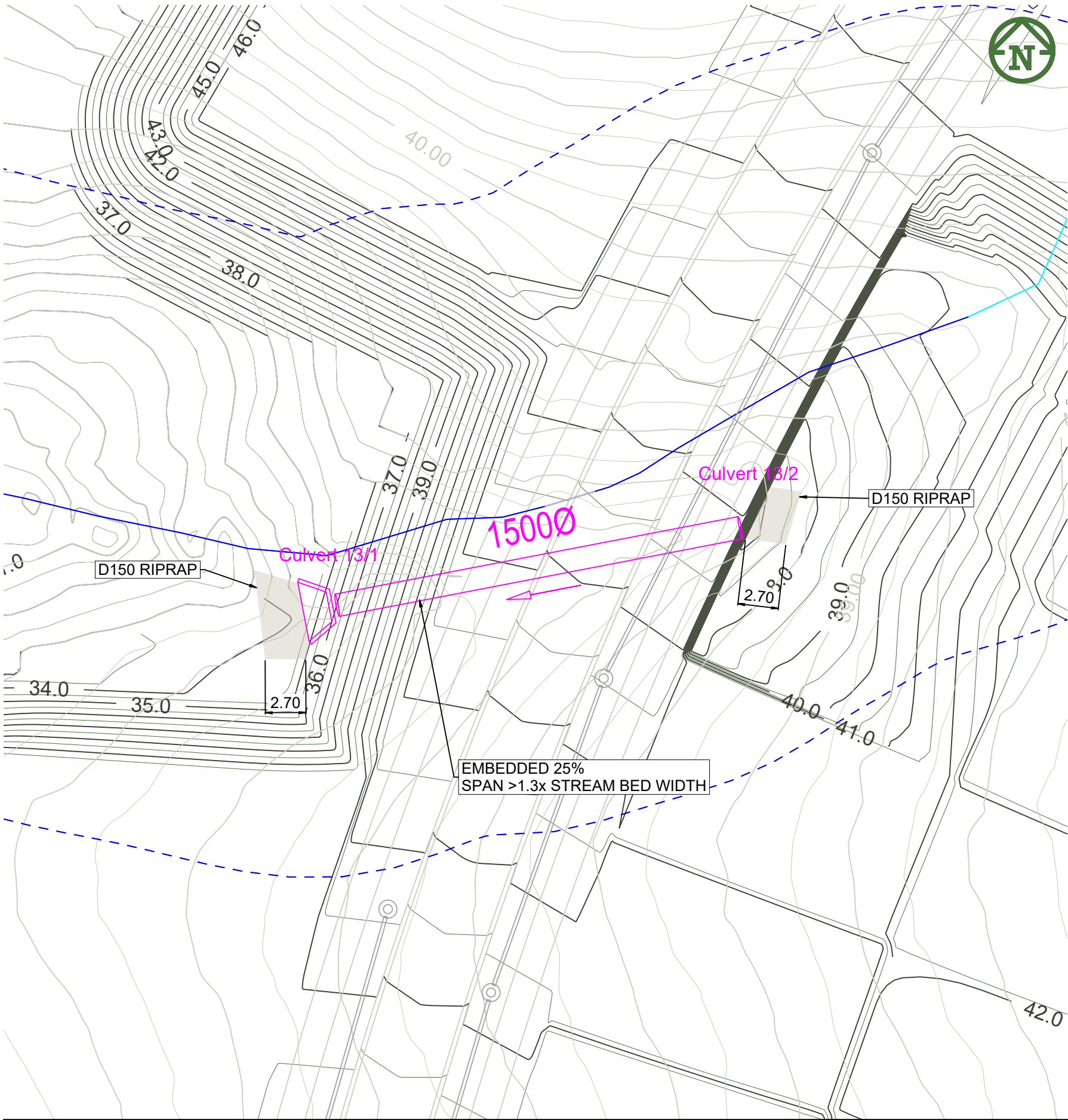
Culvert 12 - LONGSECTION



DATUM = 27.00			
DESIGN SURFACE	31.38		32.34
CUT/FILL DEPTHS	1.94		2.53
EXISTING SURFACE	29.44		29.81
CHAINAGES	10.0		20.0

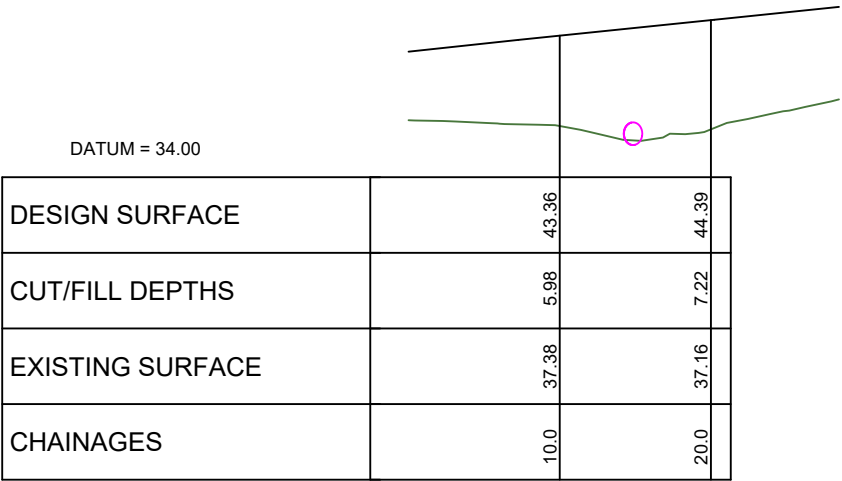
Culvert 12 - ELEVATION VIEW

SCALE HORIZ=1:500 @ A3 VERT=1:500 @ A3



DATUM = 23.0			
DESIGN SURFACE	35.53		38.79
DEPTH TO INVERT	2.03	2.03	2.59
INVERT LEVEL	33.50	33.50	36.20
EXISTING SURFACE	34.01		36.73
PIPE DETAILS	9.51% 1500mmø RCRRJ		
LENGTH	28.4m		

Culvert 13 - LONGSECTION



DATUM = 34.00			
DESIGN SURFACE	43.36		44.39
CUT/FILL DEPTHS	5.98		7.22
EXISTING SURFACE	37.38		37.16
CHAINAGES	10.0		20.0

Culvert 13 - ELEVATION VIEW

SCALE HORIZ=1:500 @ A3 VERT=1:500 @ A3

E	FLOOD MODELLING UPDATES	SH	JK	17/07/2025	
D	S92	ZW	JK	19/06/2025	
C	FOR TENDER	MO	PO	15/05/2025	
B	Updated contours	SH	JK	JK 11/02/2025	
A	FIRST ISSUE	SH	JK	JK 22/01/2025	
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



VINEWAY LIMITED

DELMORE
STAGE 2
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
CULVERT PLAN
CULVERT 13

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:300 @ A3

DO NOT SCALE

DRAWING NO:
3725-0-4813

REV:
E