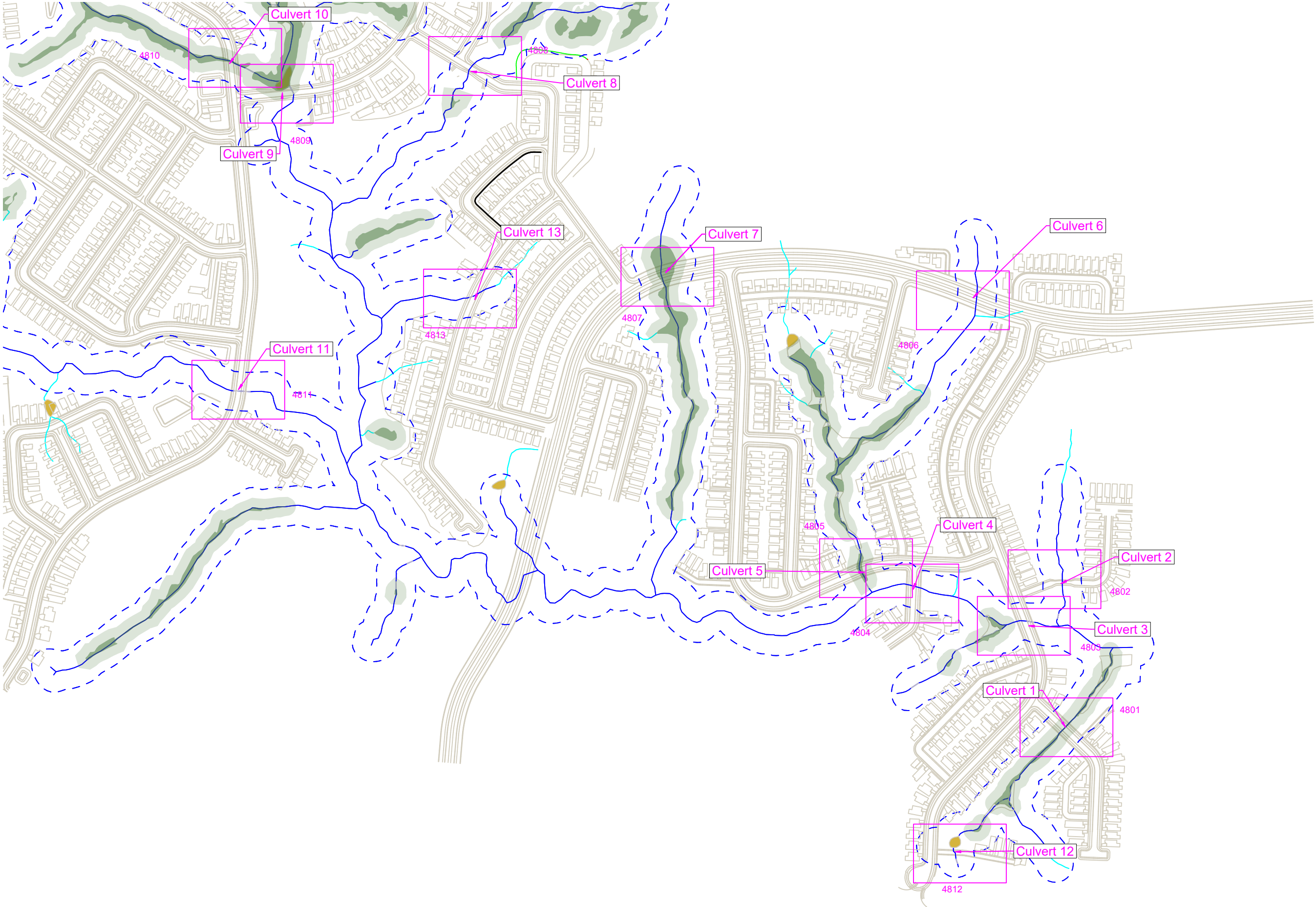
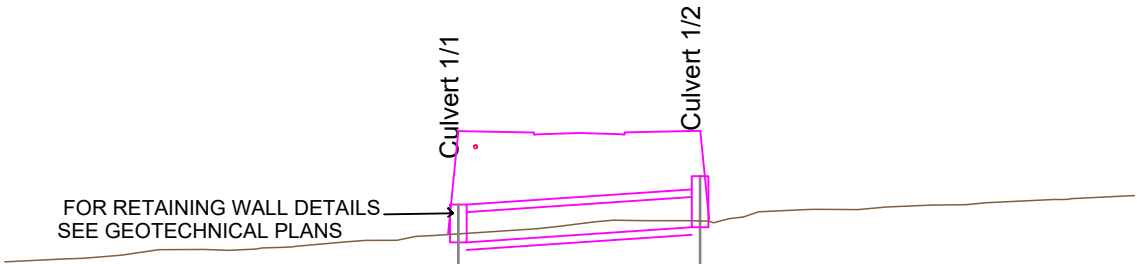
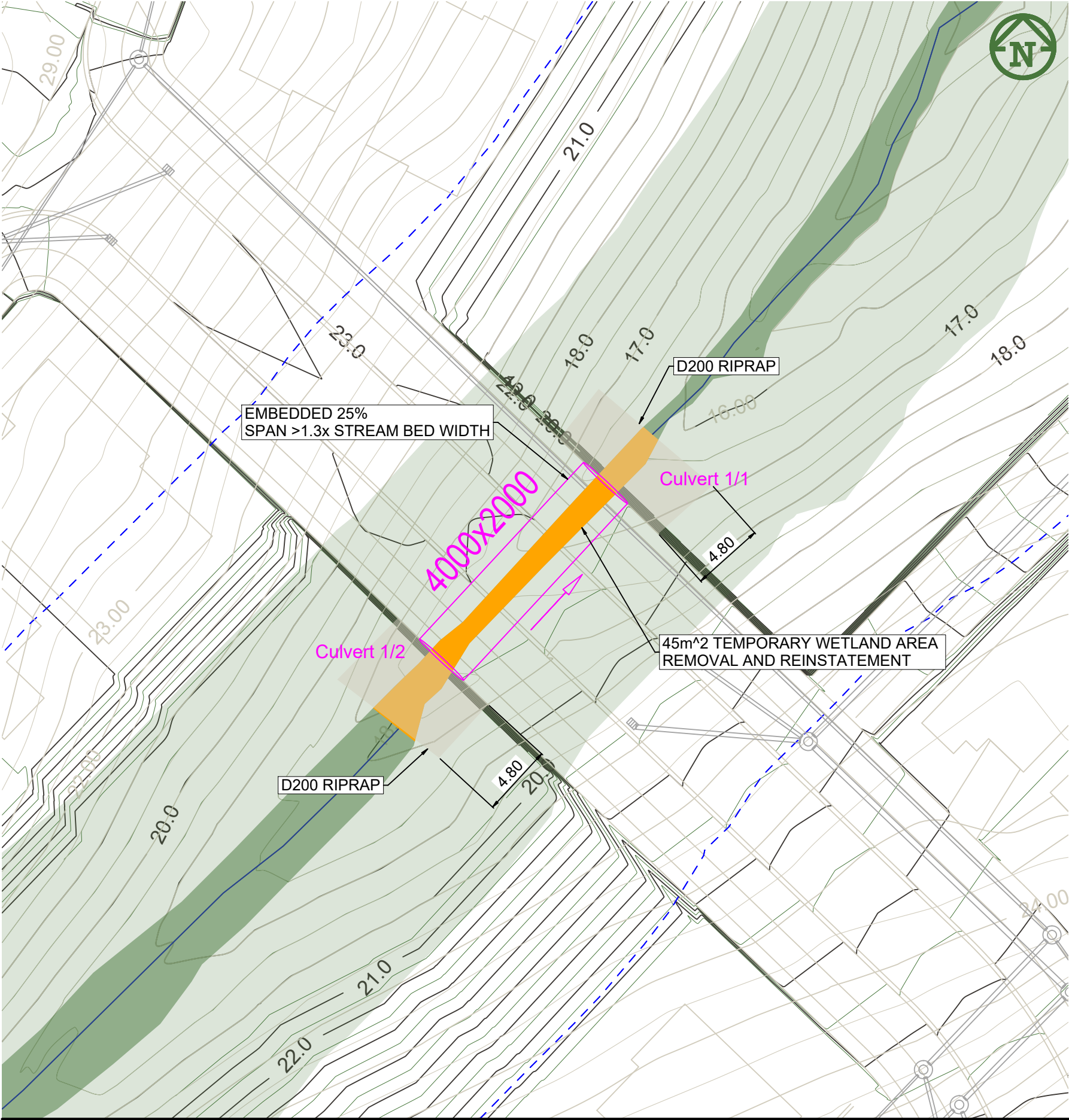
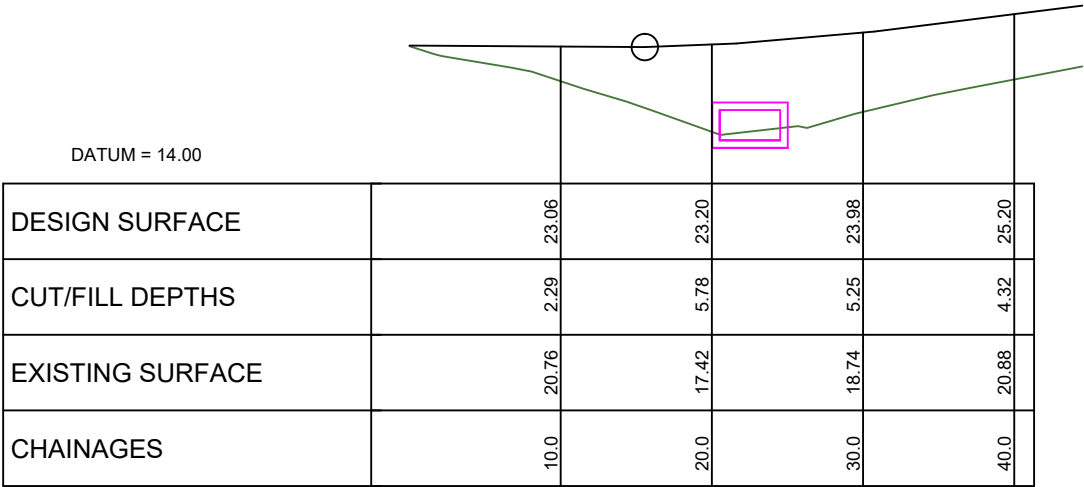






DATUM = 4.0			
DESIGN SURFACE	23.36		23.38
DEPTH TO INVERT	7.36	7.36	6.38
INVERT LEVEL	16.00	16.00	17.00
EXISTING SURFACE	16.56		17.42
PIPE DETAILS	6.25% 4000x2000mme BOX		
LENGTH	15.99m		

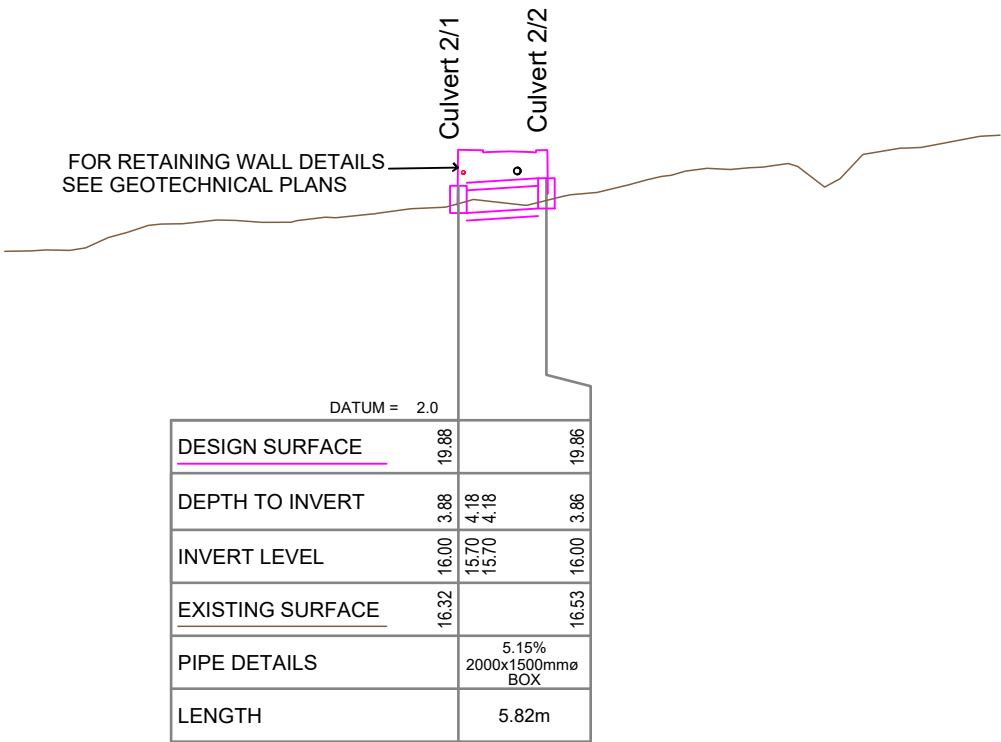
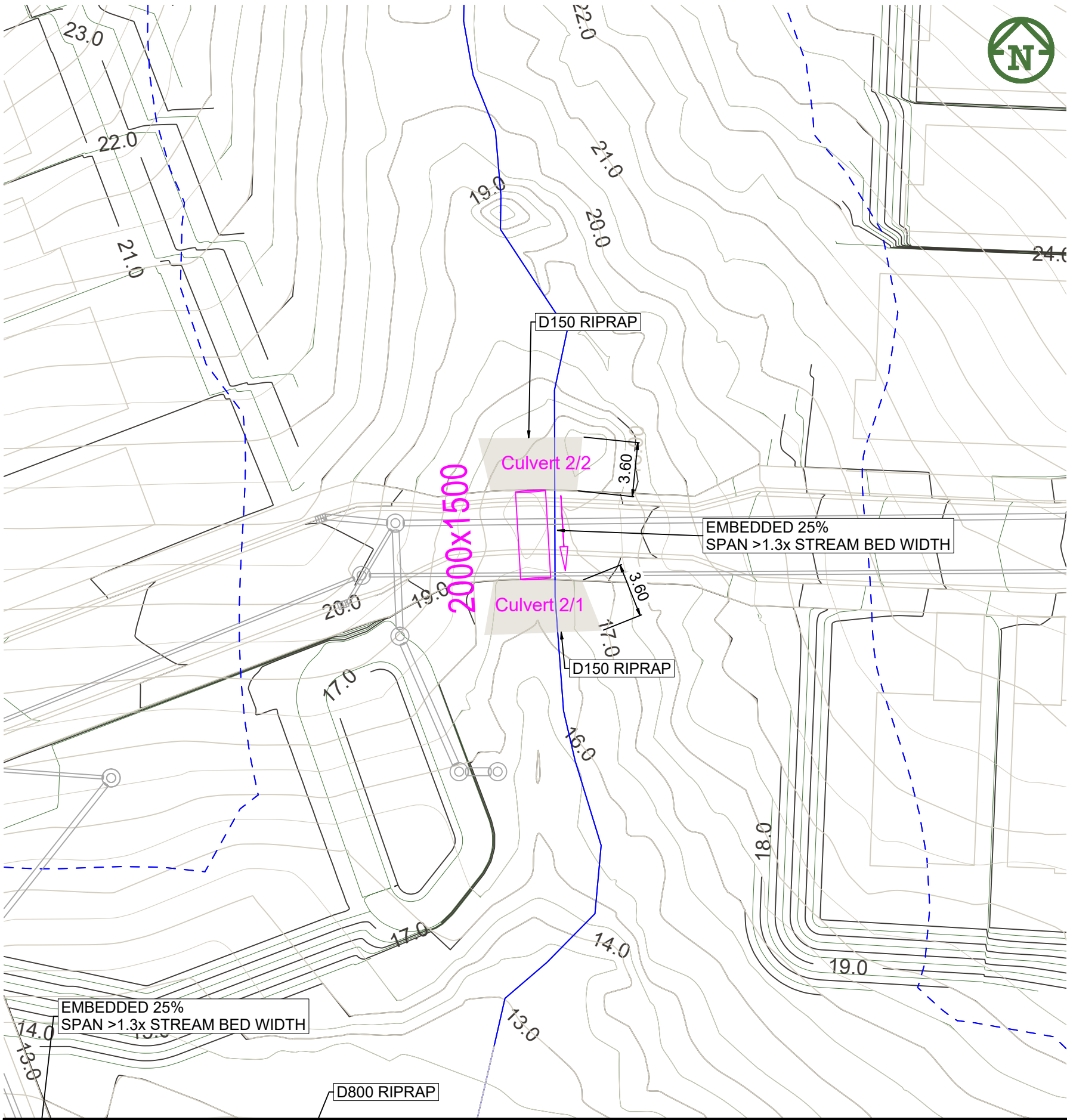
Culvert 01 - LONGSECTION



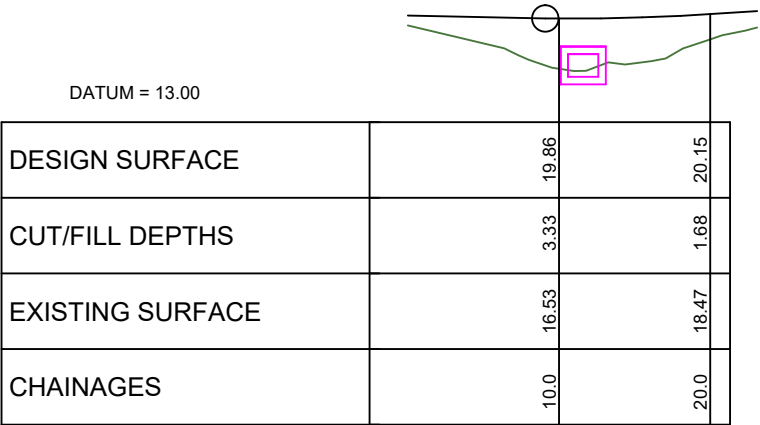
DATUM = 14.00					
DESIGN SURFACE	23.06	23.20	23.98	25.20	
CUT/FILL DEPTHS	2.29	5.78	5.25	4.32	
EXISTING SURFACE	20.76	17.42	18.74	20.88	
CHAINAGES	10.0	20.0	30.0	40.0	

Culvert 01 - ELEVATION VIEW

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

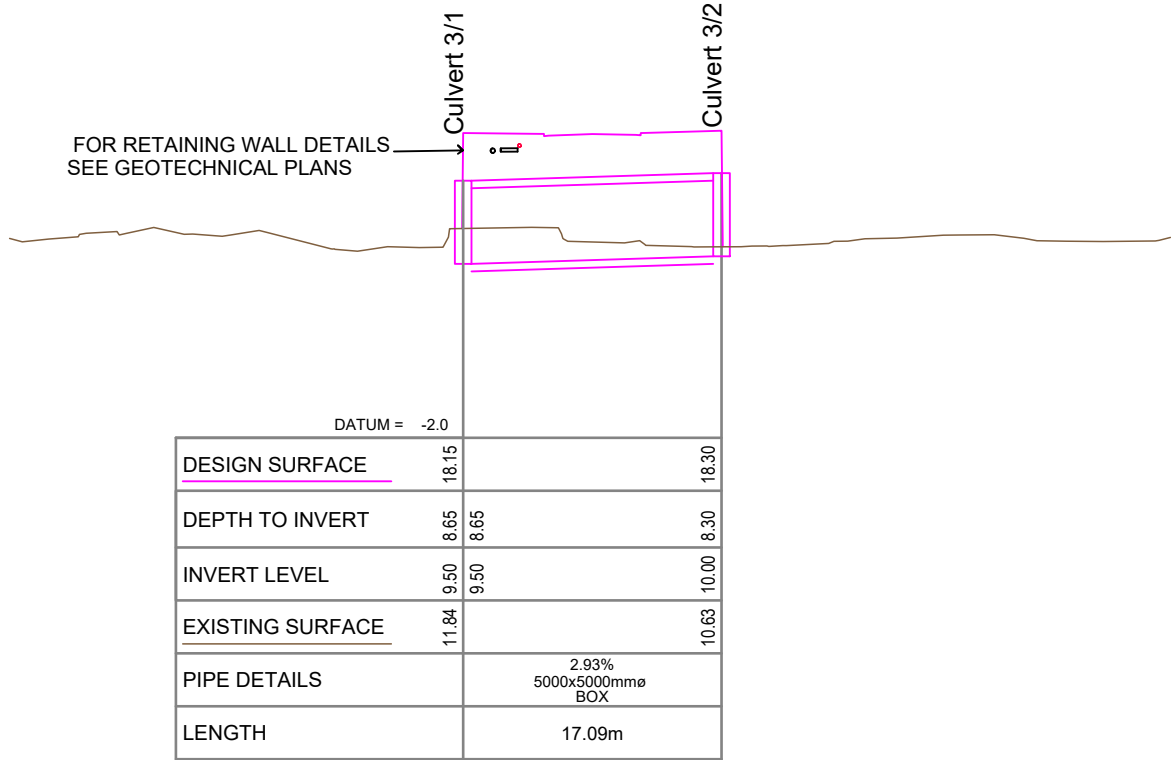
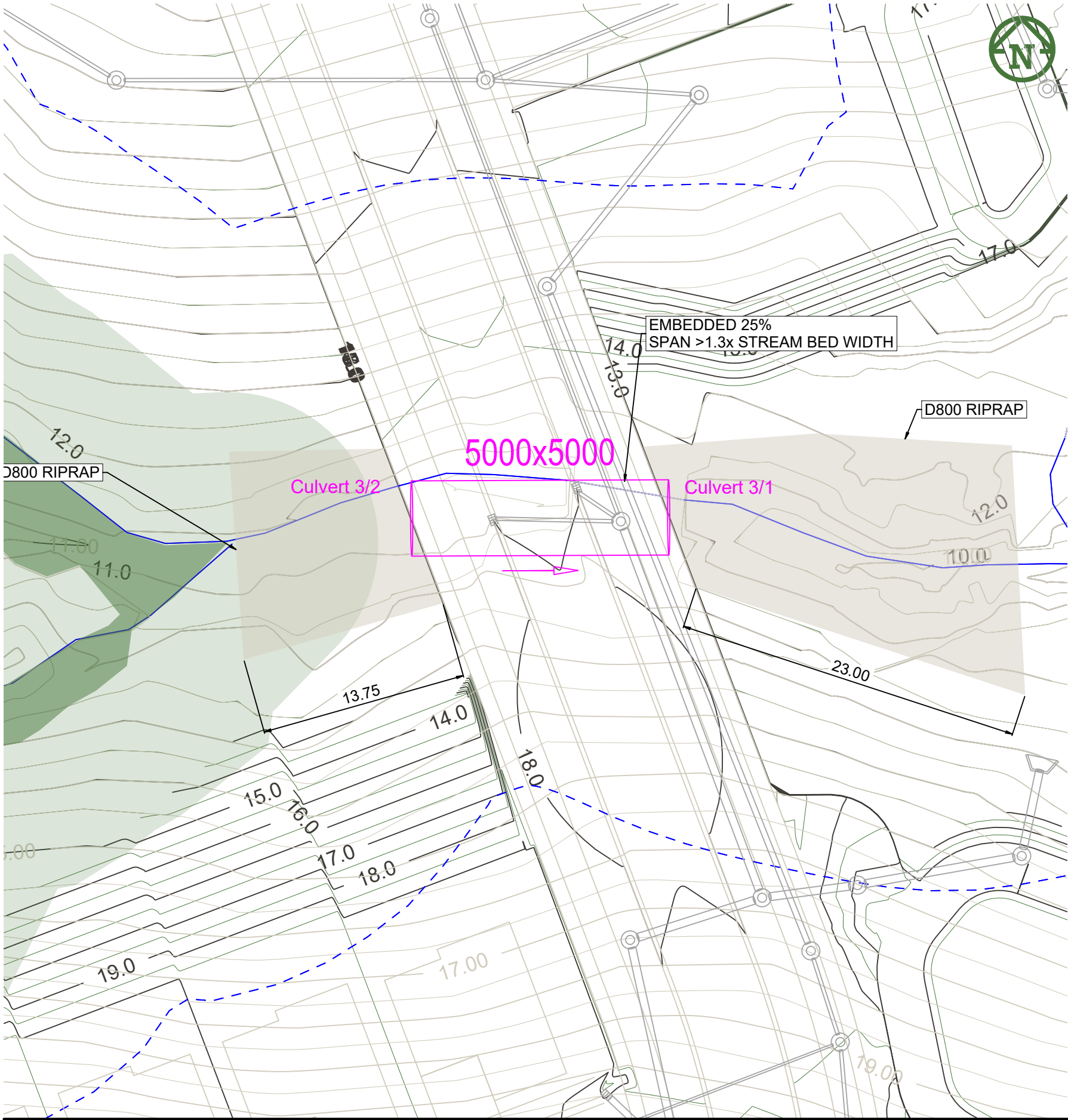


Culvert 02 - LONGSECTION

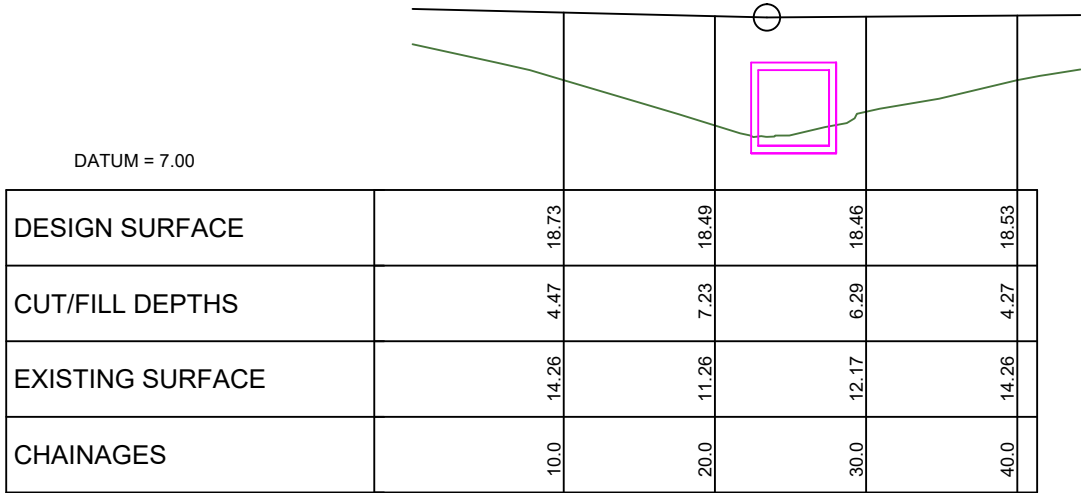


Culvert 02 - ELEVATION VIEW

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

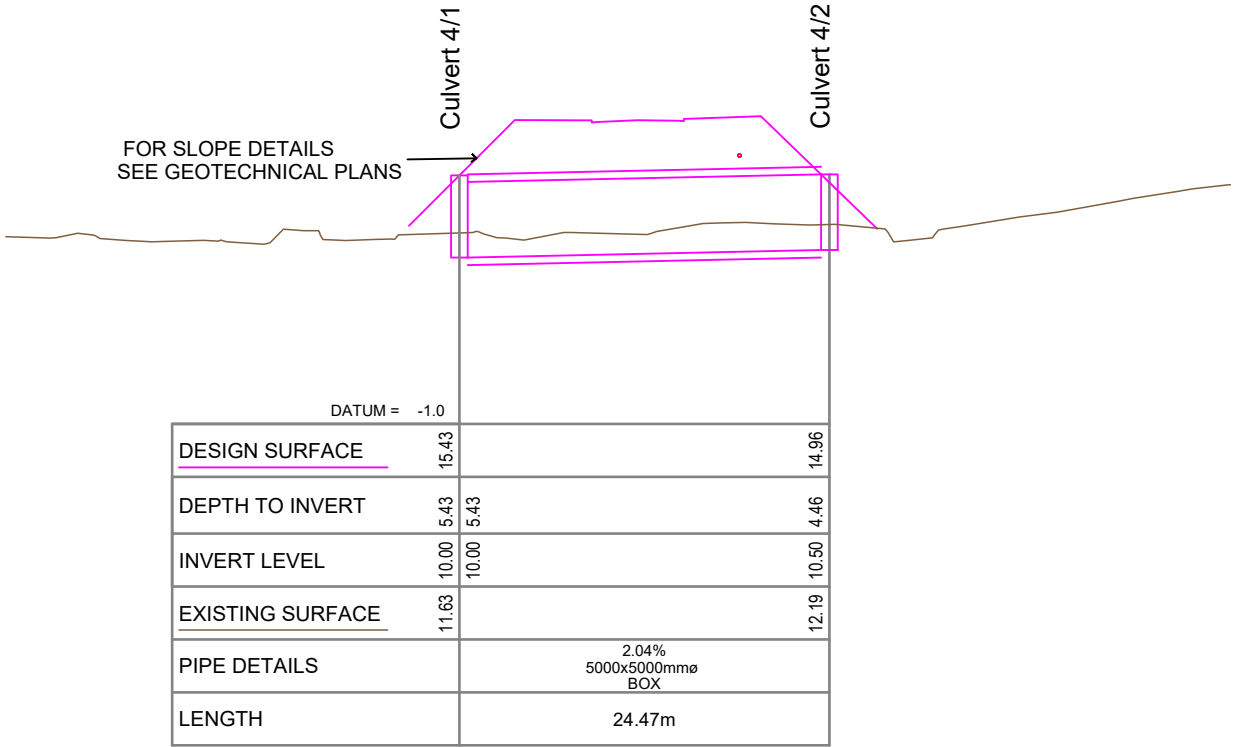
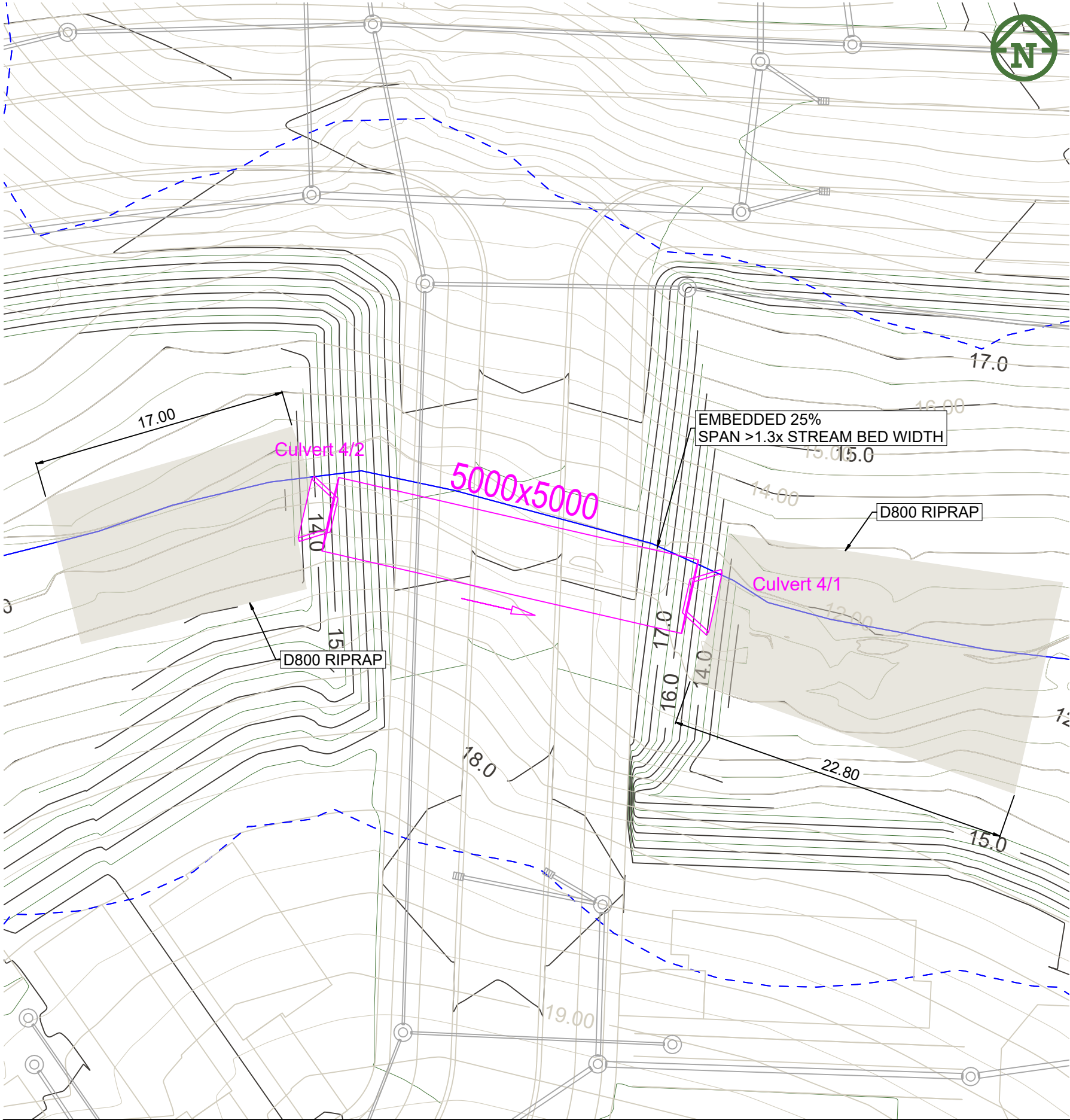


Culvert 03 - LONGSECTION

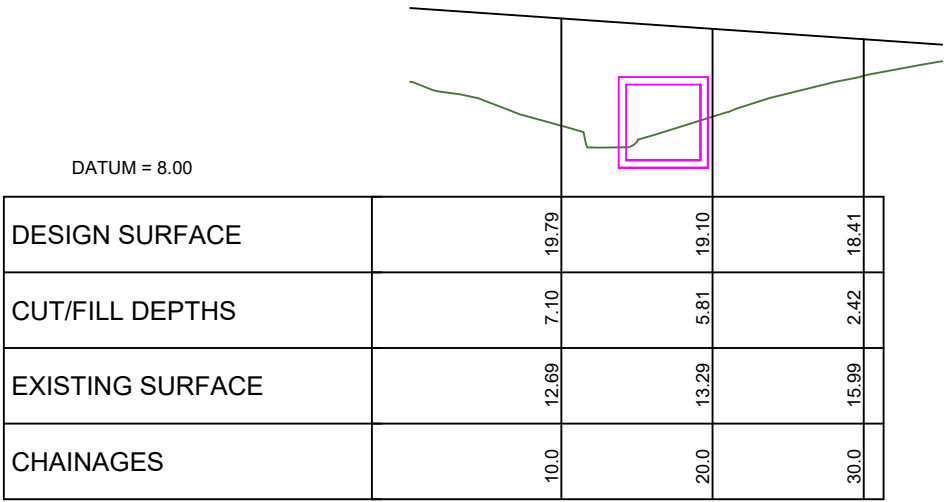


Culvert 03 - ELEVATION VIEW

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



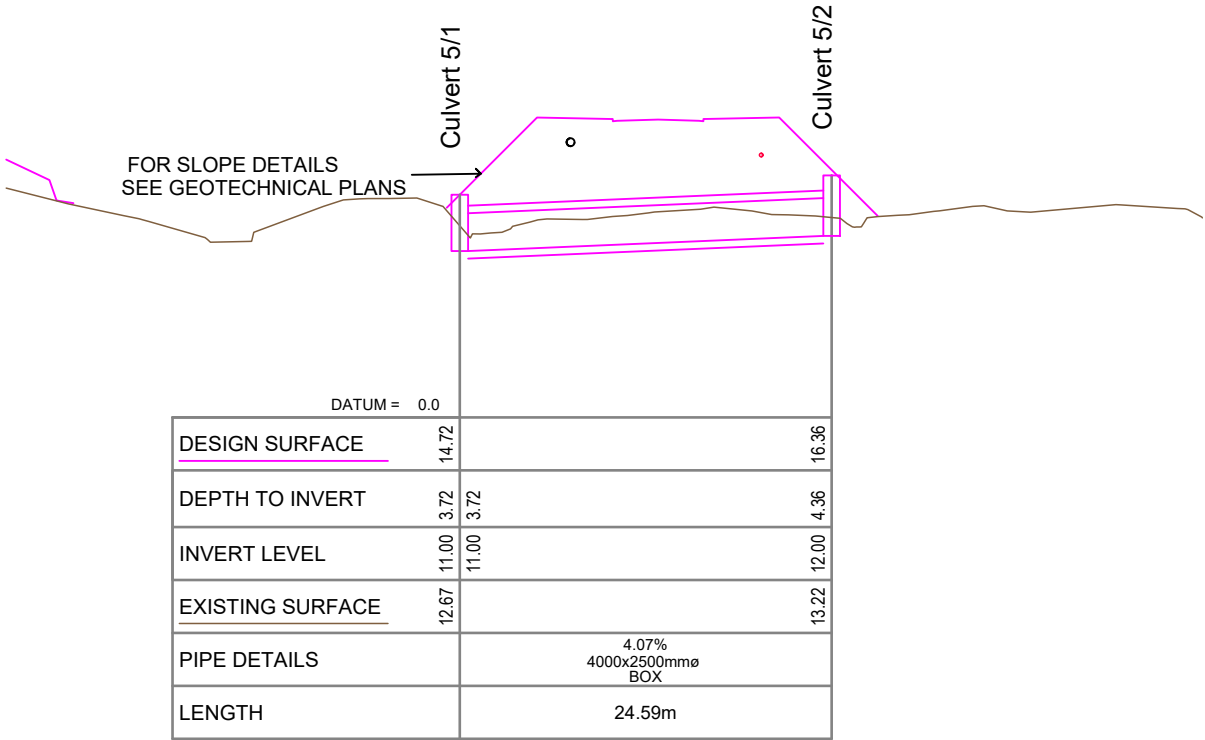
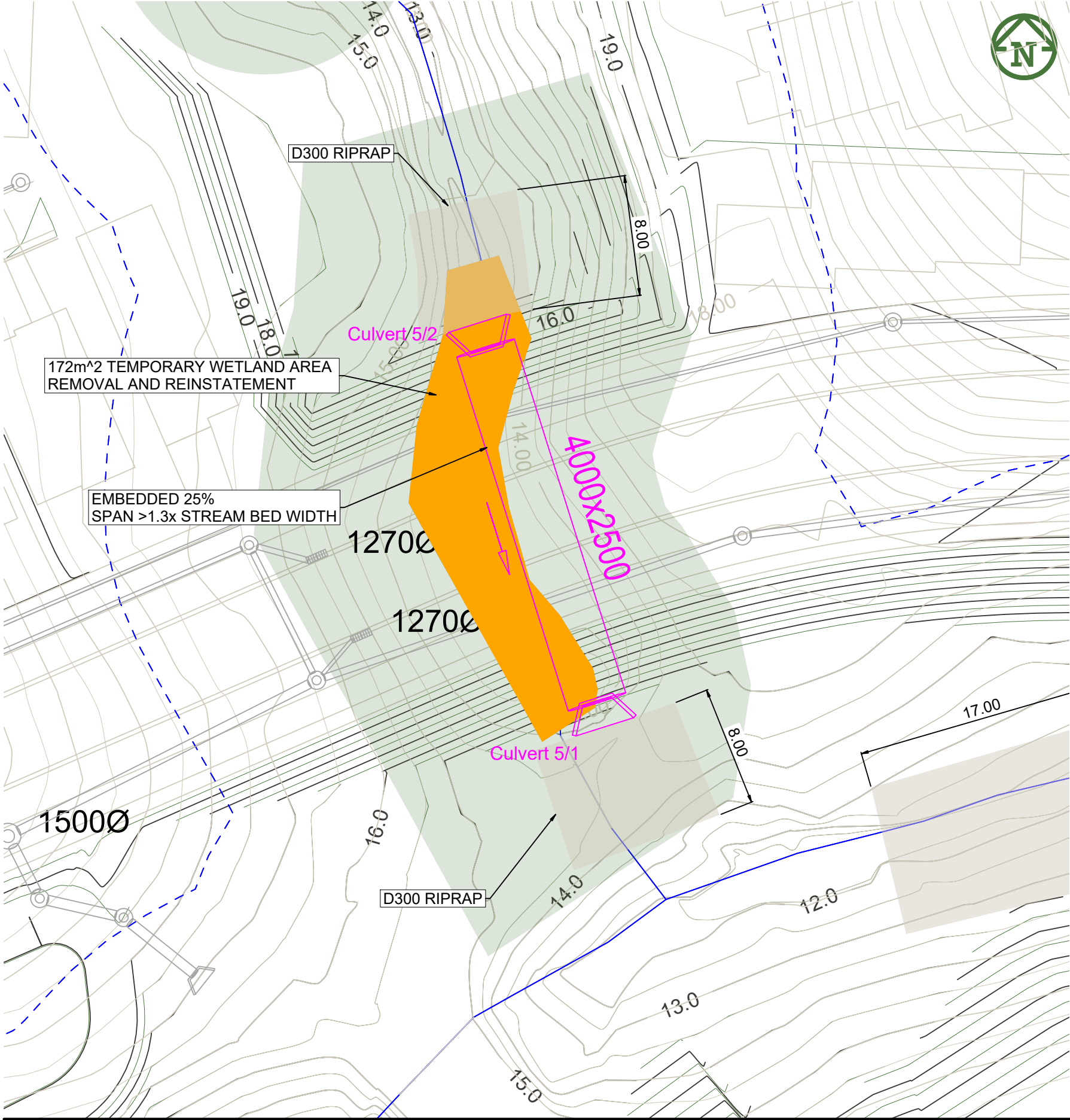
Culvert 04 - LONGSECTION



Culvert 04 - ELEVATION VIEW

SCALE HORIZ=1:500 @ A3

VERT=1:500 @ A3

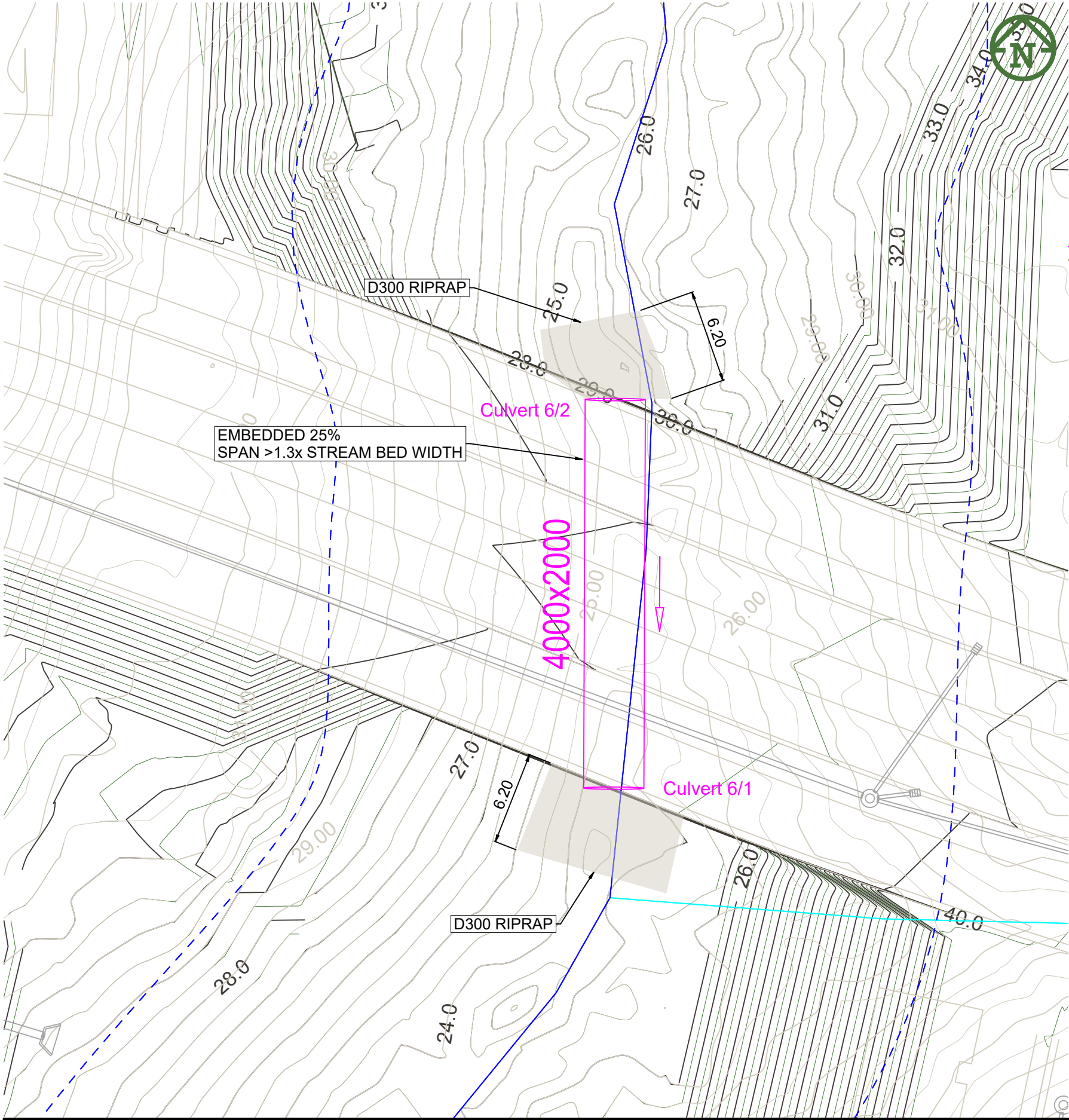


Culvert 05 - LONGSECTION



Culvert 05 - ELEVATION VIEW

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



DATUM = 16.0		
DESIGN SURFACE	39.38	39.17
DEPTH TO INVERT	15.88	14.67
INVERT LEVEL	23.50	24.50
EXISTING SURFACE	23.84	24.51
PIPE DETAILS	3.88% 4000x2000mmø BOX	
LENGTH	25.79m	

Culvert 06 - LONGSECTION

DATUM = 22.00					
DESIGN SURFACE	40.03	39.86	39.70	39.54	39.38
CUT/FILL DEPTHS	12.14	14.87	13.89	10.95	7.97
EXISTING SURFACE	27.89	24.99	25.81	28.59	31.41
CHAINAGES	10.0	20.0	30.0	40.0	50.0

Culvert 06 - ELEVATION VIEW

SCALE HORIZ=1:500 @ A3

VERT=1:500 @ A3

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

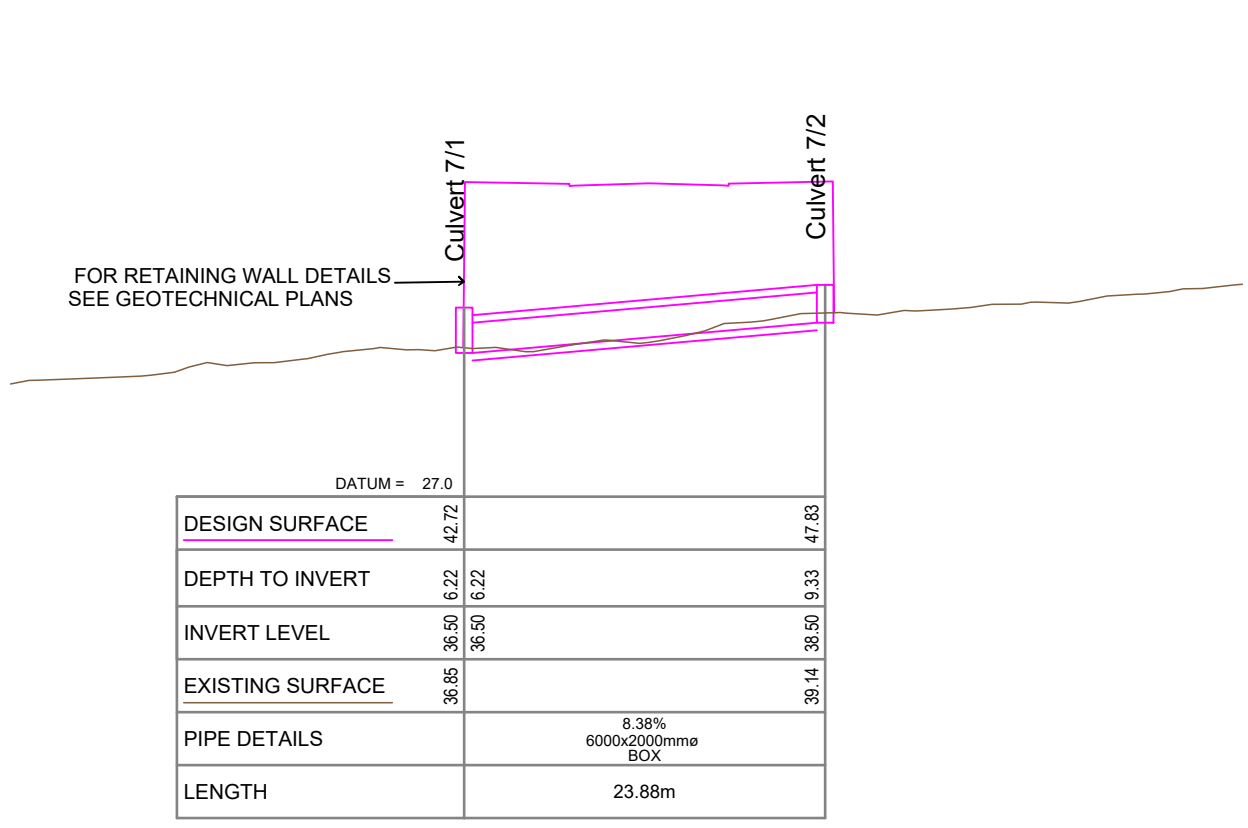
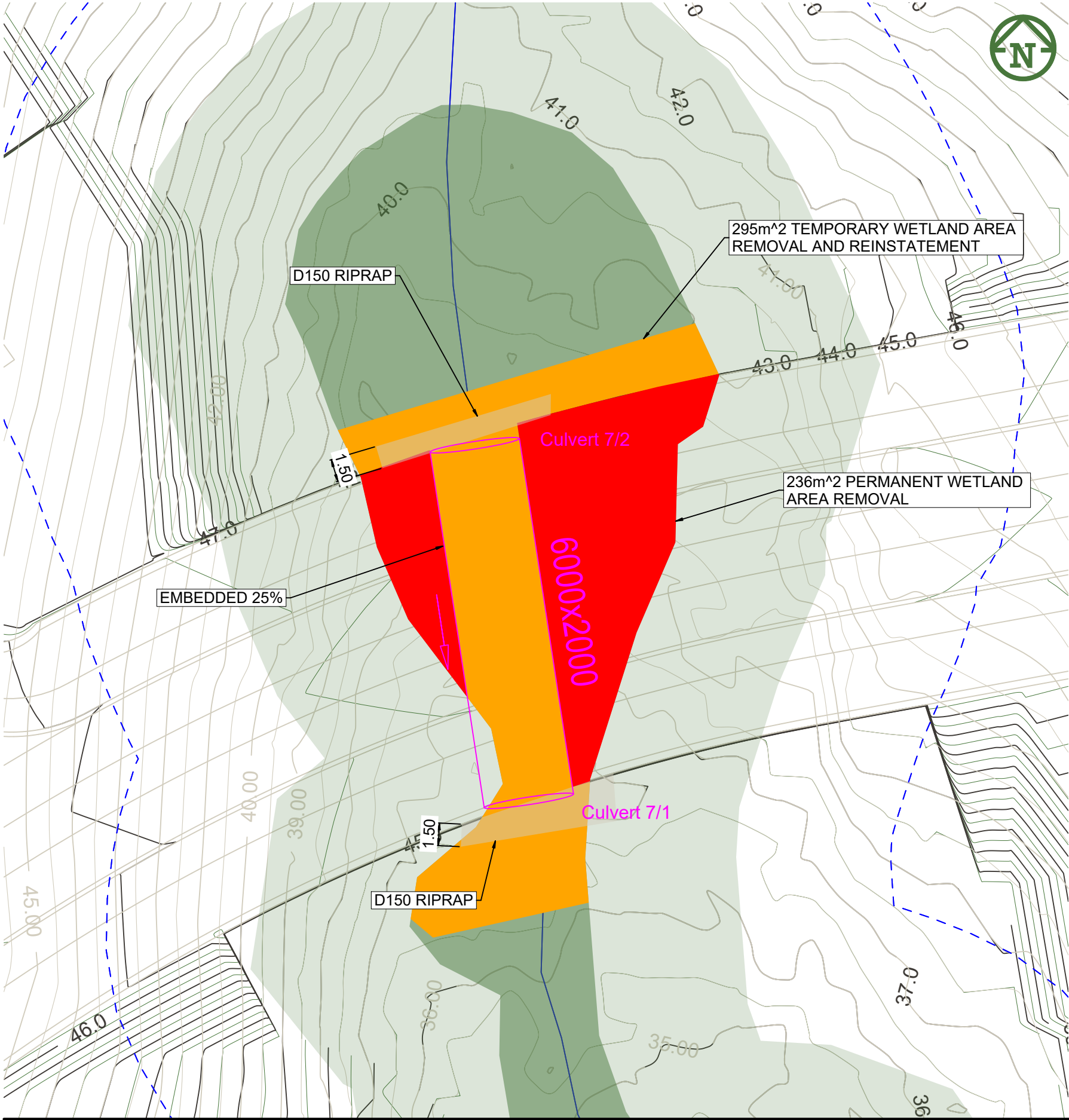
STORMWATER
CULVERT PLAN
CULVERT 6

PURPOSE OF ISSUE:
RESOURCE CONSENT

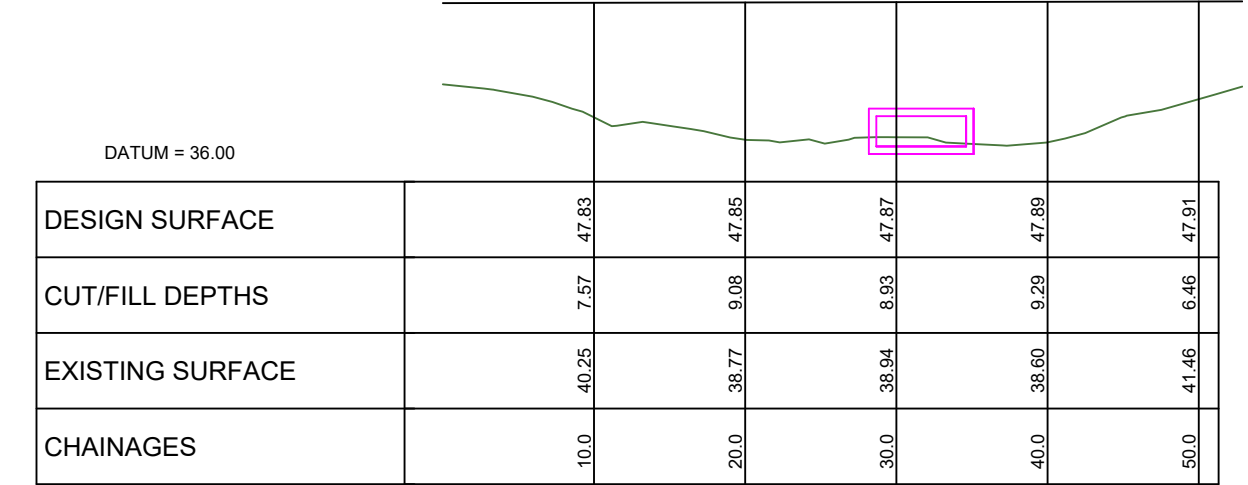
SCALE:
1:300 @ A3
DO NOT SCALE

DRAWING NO:
3725-0-4806

REV:
C

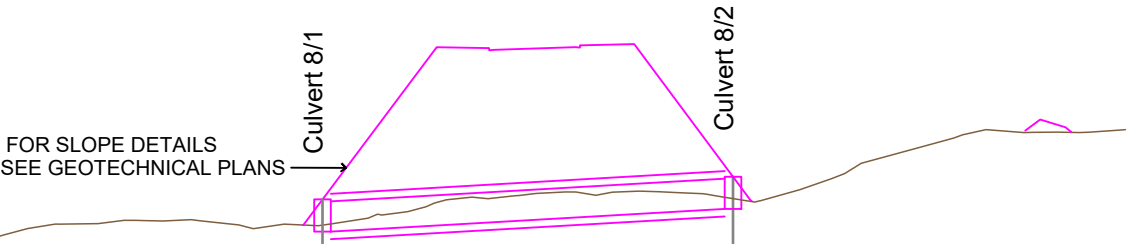
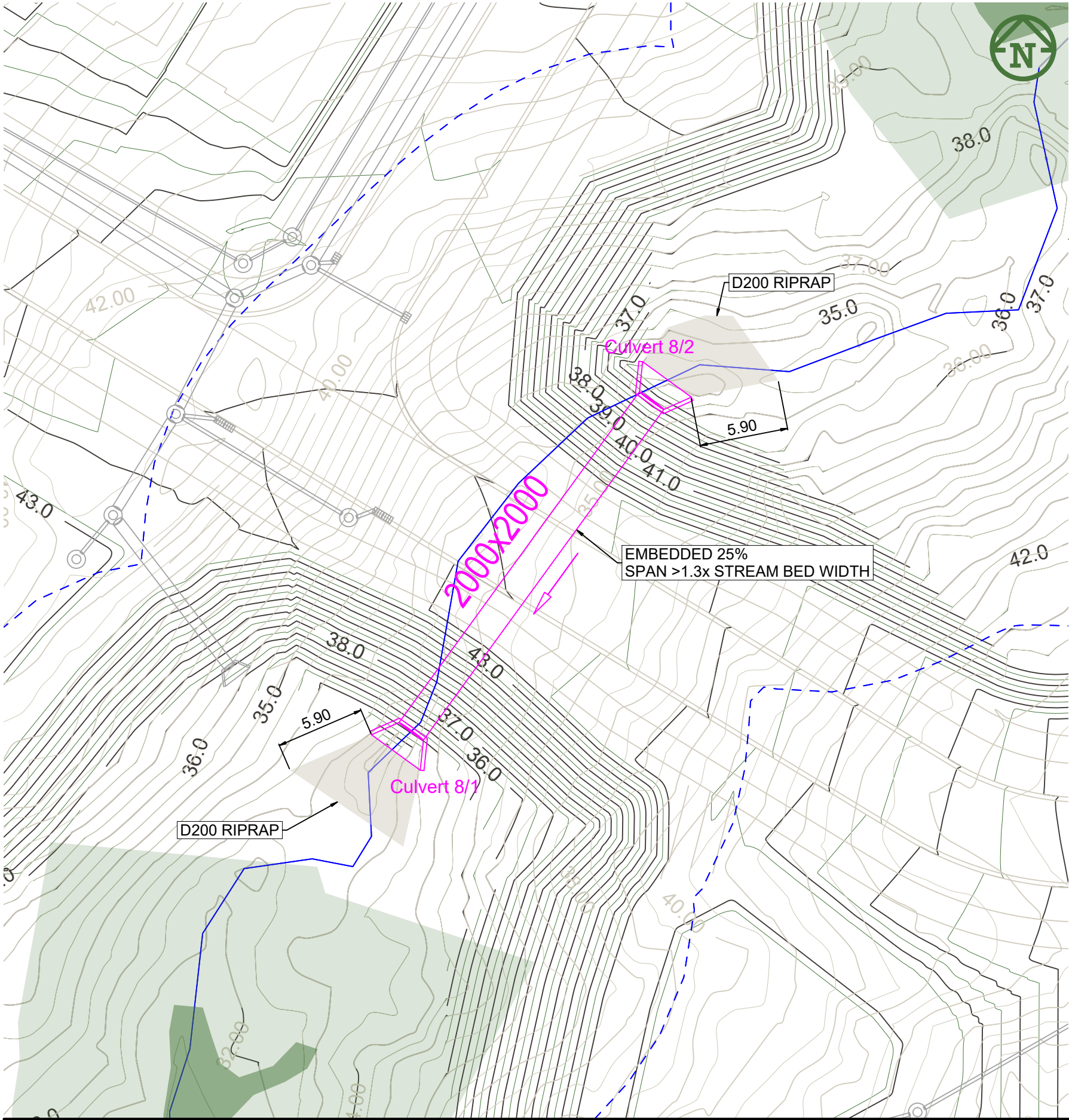


Culvert 07 - LONGSECTION



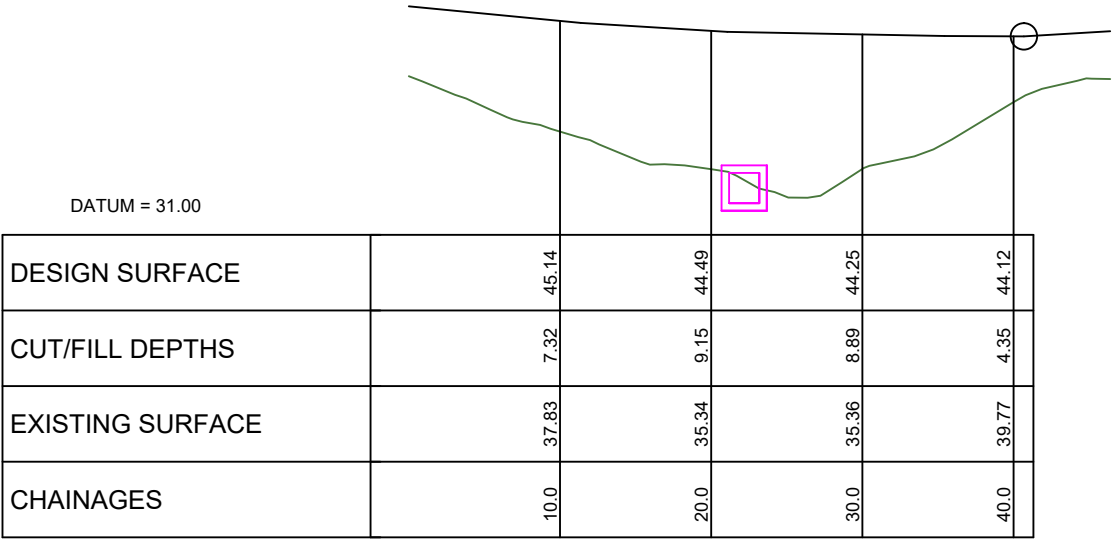
Culvert 07 - ELEVATION VIEW

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



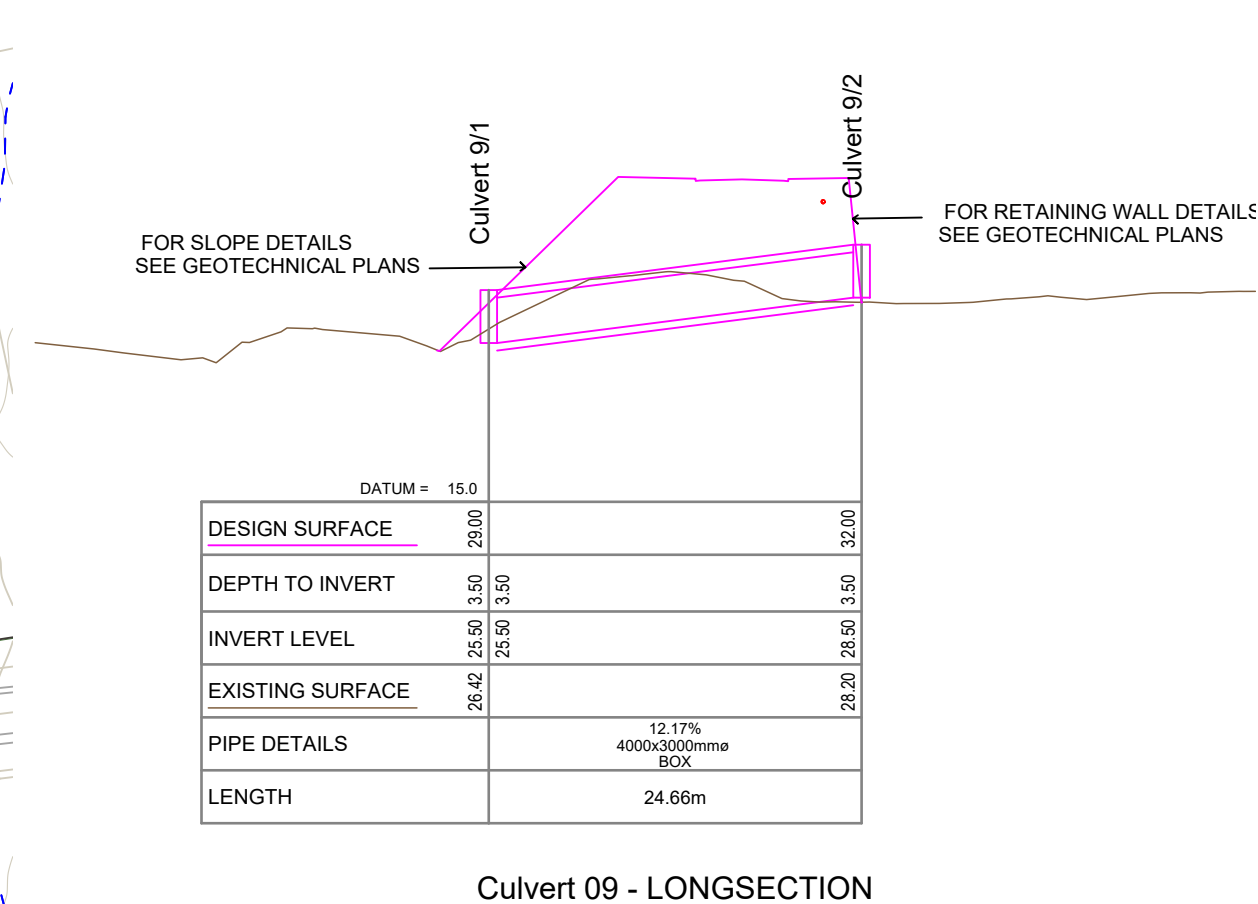
DATUM = 23.0			
DESIGN SURFACE	34.13		35.63
DEPTH TO INVERT	2.13	2.13	
INVERT LEVEL	32.00	32.00	33.50
EXISTING SURFACE	32.43		34.18
PIPE DETAILS	5.52% 2000x2000mmø BOX		
LENGTH	27.15m		

Culvert 08 - LONGSECTION

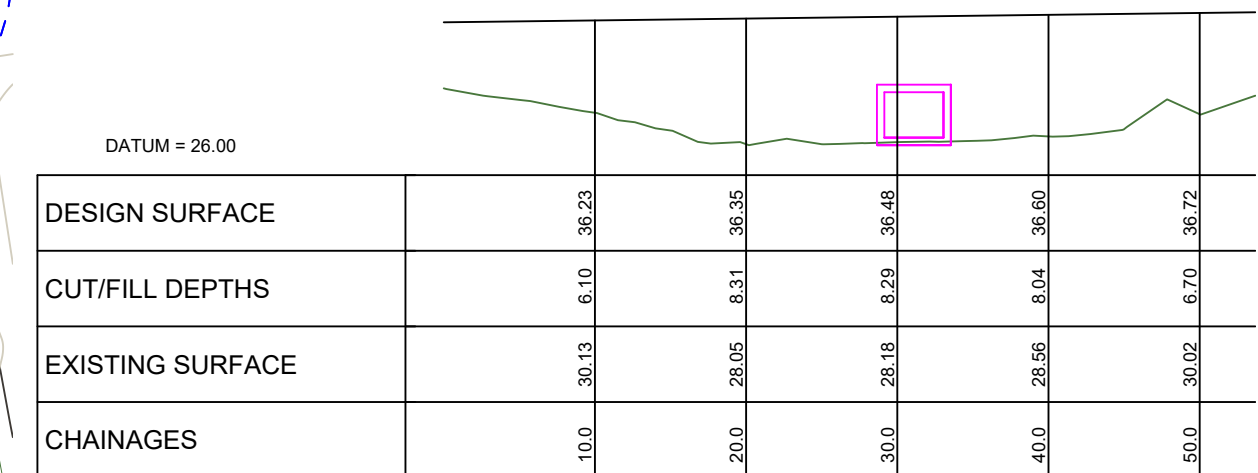


DESIGN SURFACE		45.14	44.49	44.25	44.12
CUT/FILL DEPTHS		7.32	9.15	8.89	4.35
EXISTING SURFACE		37.83	35.34	35.36	39.77
CHAINAGES		10.0	20.0	30.0	40.0

Culvert 08 - ELEVATION VIEW
SCALE HORIZ=1:500 @ A3
VERT=1:500 @ A3



Culvert 09 - LONGSECTION



Culvert 09 - ELEVATION VIEW

SCALE HORIZ=1:500 @ A3

VERT=1:500 @ A3

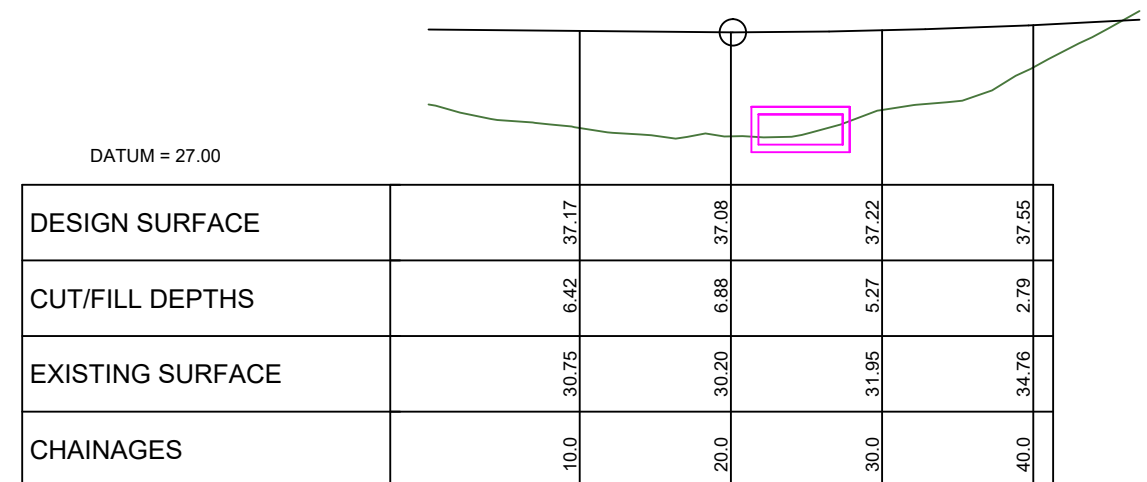


Culvert 10/1

Culvert 10/2

DATUM =	18.0	
<u>DESIGN SURFACE</u>	32.30	
DEPTH TO INVERT	2.80	2.80
INVERT LEVEL	29.50	29.50
<u>EXISTING SURFACE</u>	30.43	
PIPE DETAILS	2.92% 6000x2000mmø BOX	
LENGTH	27.42m	

Culvert 10 - LONGSECTION



Culvert 10 - ELEVATION VIEW

SCALE HORIZ=1:500 @ A3

VERT=1:500 @ A3

PURPOSE OF ISSUE:

VINEWAY LIMITED

DELMORE
STAGE 2

88, 138 & 132 UPPER OREWA ROAD
OREWA

STORMWATER
CULVERT PLAN
CULVERT 10

RESOURCE CONSENT

SCALE:
1:300 @ A3

DO NOT SCALE

DRAWING NO:
3725-0-4810

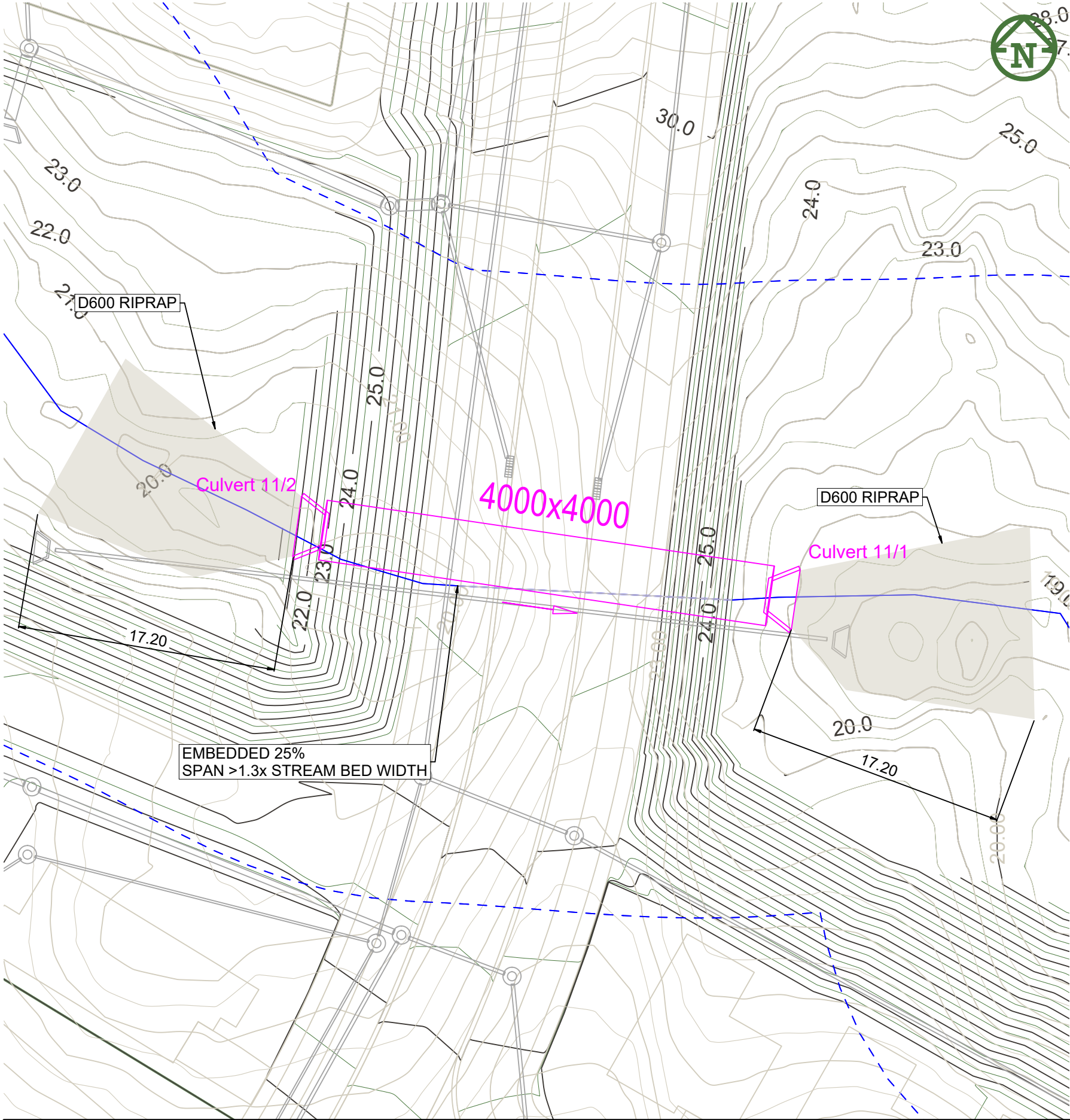
REV:
C

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

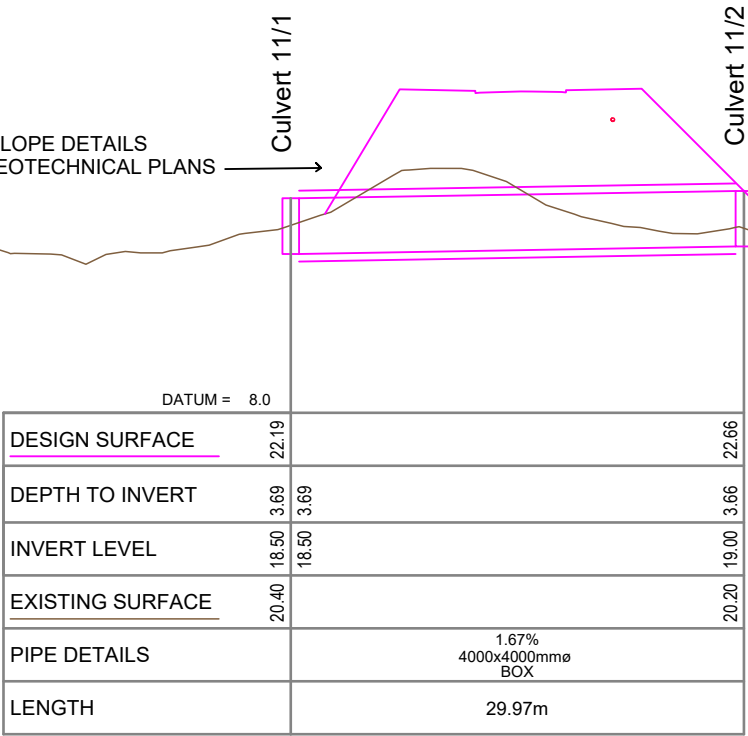


MCKENZIE & CO.

PLOT DATE Tue Feb 11 12:07:01 2025 WWW.MCKENZIEANDCO.CO.NZ THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE c:\2d\5\data\MCKFS01\3725-2 Deirmore Stage 2_5201\06000_Engineering Design\6400_12d\Stage 2AB Plotting Culverts\2dmodel Stage 2AB Plotting Culverts



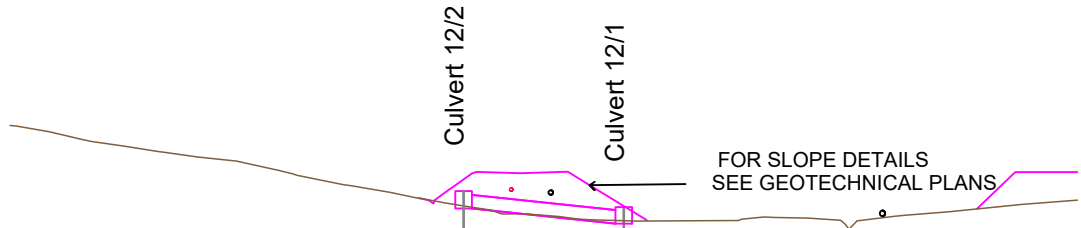
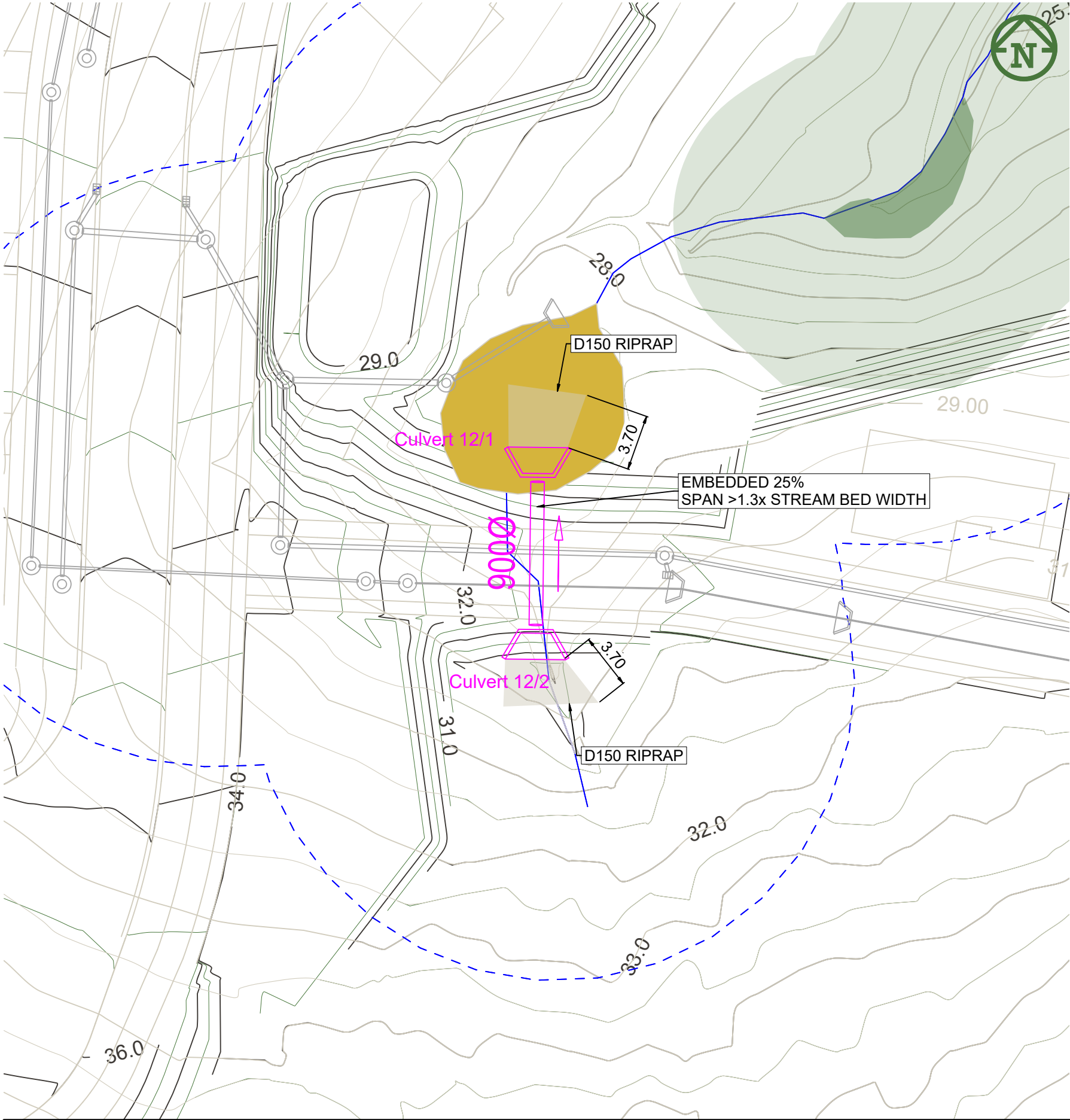
FOR SLOPE DETAILS
SEE GEOTECHNICAL PLANS



Culvert 11 - LONGSECTION

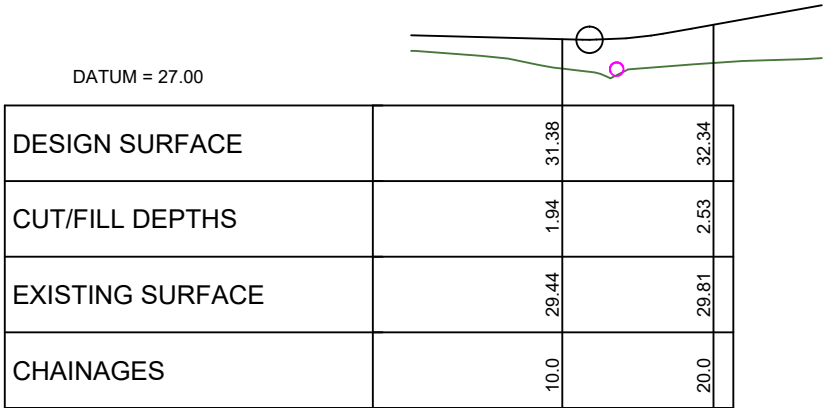


Culvert 11 - ELEVATION VIEW
SCALE HORIZ=1:500 @ A3 VERT=1:500 @ A3



DATUM = 14.0			
DESIGN SURFACE	30.93		29.16
DEPTH TO INVERT	1.93		1.16
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

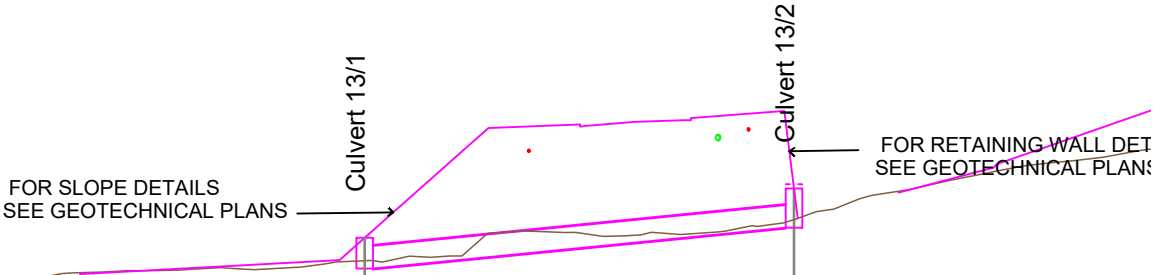
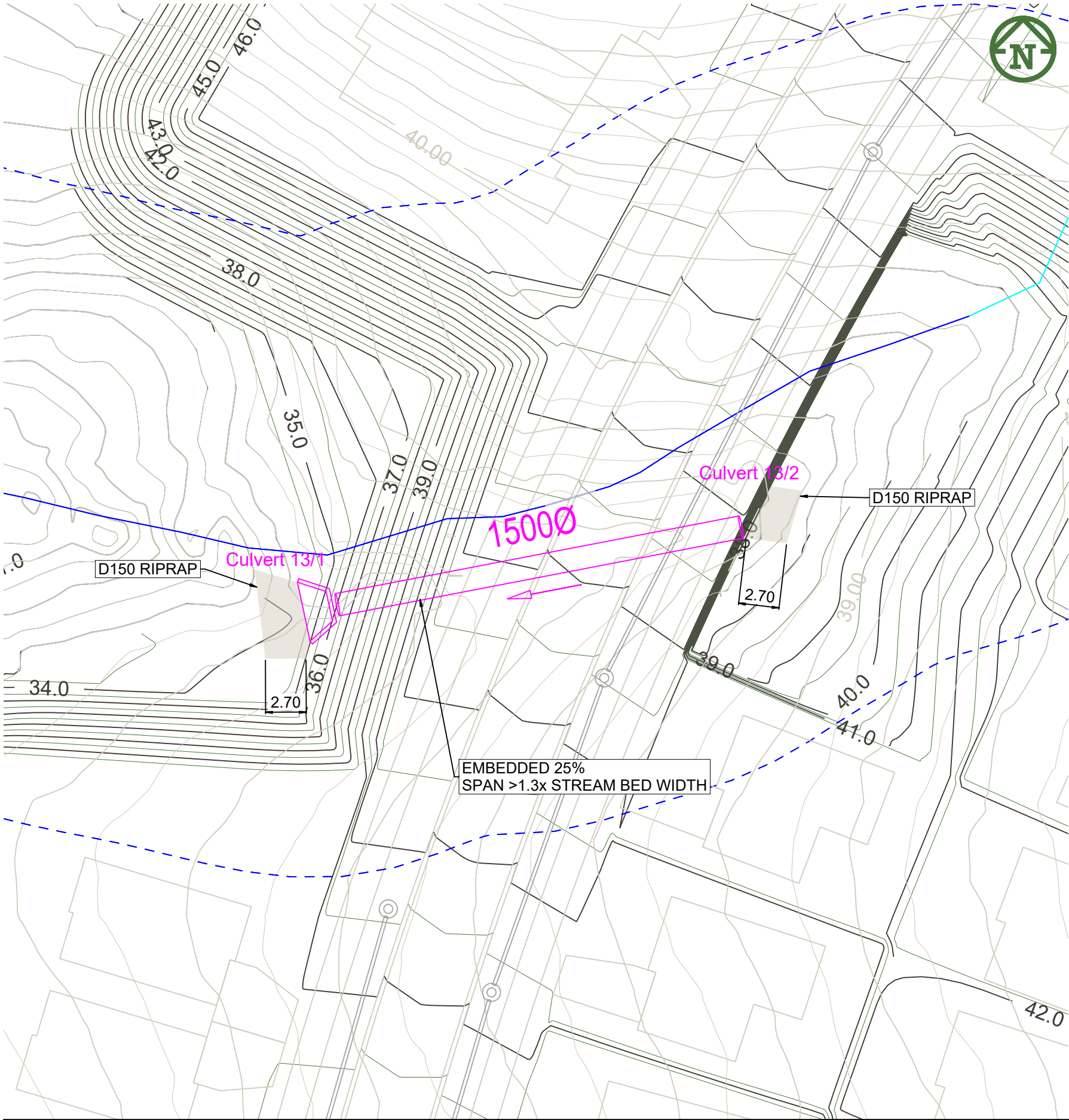


DATUM = 27.00			
DESIGN SURFACE	31.38		32.34
CUT/FILL DEPTHS	1.94		2.53
EXISTING SURFACE	29.44		29.81
CHAINAGES	10.0		20.0

Culvert 12 - ELEVATION VIEW

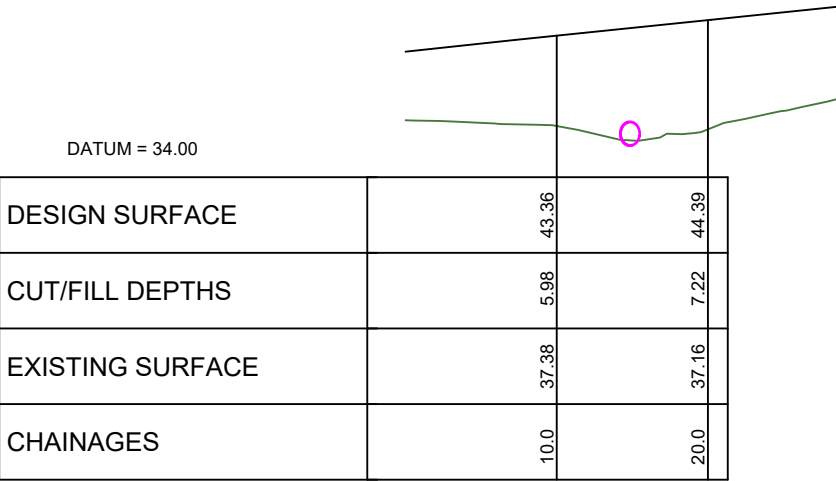
SCALE HORIZ=1:500 @ A3

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	28.39m		

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