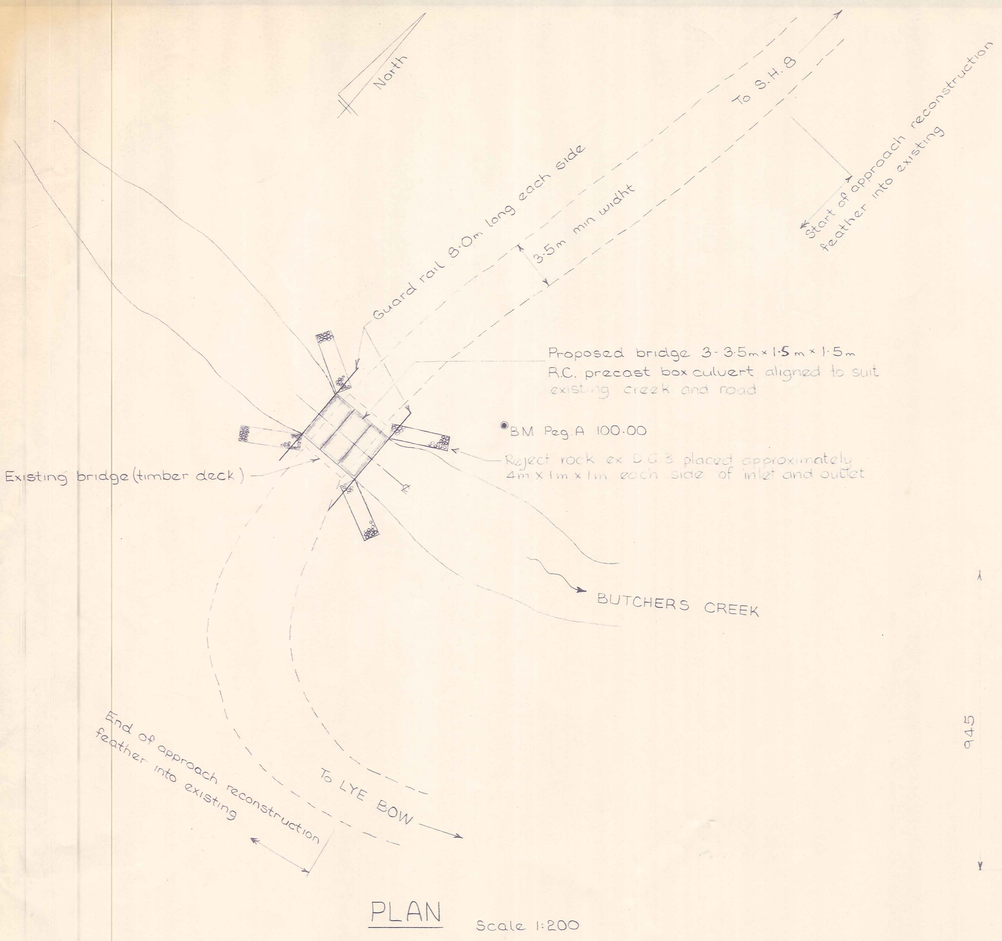
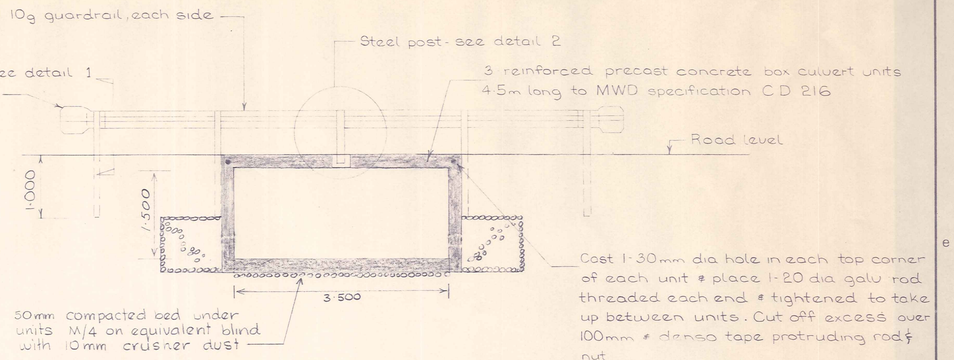
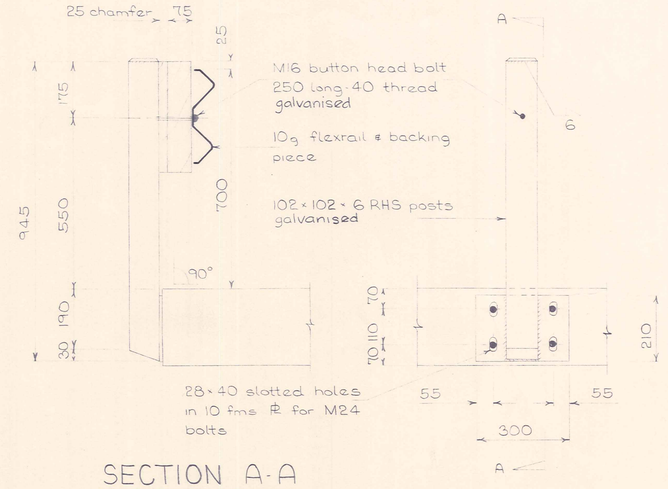


PLAN Scale 1:200

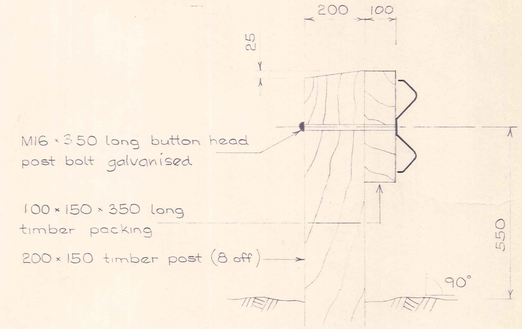


TYPICAL CULVERT CROSS SECTION

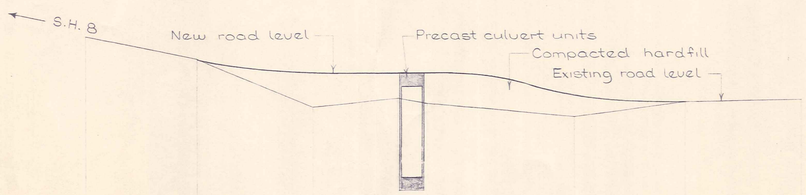
Scale 1:50



SECTION A-A Scale 1:10

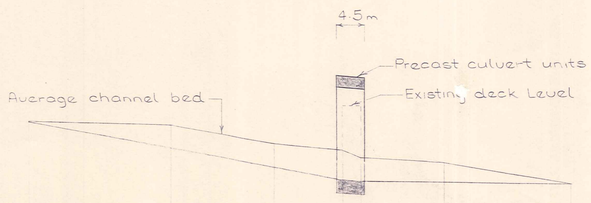


DETAIL 2 DETAIL 1 Scale 1:10



H.A.D 98.0								
Distance	101.22.00	100.84 100.84 18.4	100.65 100.05 37.0	100.62 100.18 51.2	100.62 100.12 55.9	100.25 99.91 79.8	100.16 79.8	100.20 116.7
Existing ℄ level								
Proposed ℄ level								

ROAD LONGITUDINAL SECTION Scale Horiz 1:500 Vert 1:50



H.A.D 98.0							
Distance	99.88 99.88.00	99.48 99.83 23.2	99.16 99.53 40.0	98.75 99.42 51.3	98.72 99.30 54.9	98.92 99.21 68.0	98.77 98.77 88.5
Stream bed level							
New stream bed level							

STREAM BED LONGITUDINAL SECTION

HYDRAULIC DESIGN DATA

Reference TM 61 oct 1975	
Rainfall duration	= 95 min
Return period	= 10 year
Catchment area	= 15.7 km^2
Flood flow Qp	= 0.0139 c RSA $^{3}/_{4}$ = 0.0139 · 6.0 · 10^{2} · 0.22 · 0.87 · $15.7^{3}/_{4}$ = 12.6 m^3/sec
Culvert capacity	= 18.3 m^3/sec n = 0.015

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VINCENT COUNTY COUNCIL

LYE BOW BRIDGE RENEWAL
BUTCHERS CREEK

AMENDMENTS				
NO	BY	DATE		Appvd.
1	H.N	10/85	Change culvert unit size - delete gabions	

	NAME	DATE
Surveyed	P.D	16-4-84
Drawn	P.D	
Calculations	P.D	
Traced	S.K	8.84
Checked		9/84
Approved		12/84

JOB NO. 13043 | Sheet No 1 of 1 shts
File 4043/2 | L.B. 603 | F.B.

ORIGINAL SIZE mm INCHES