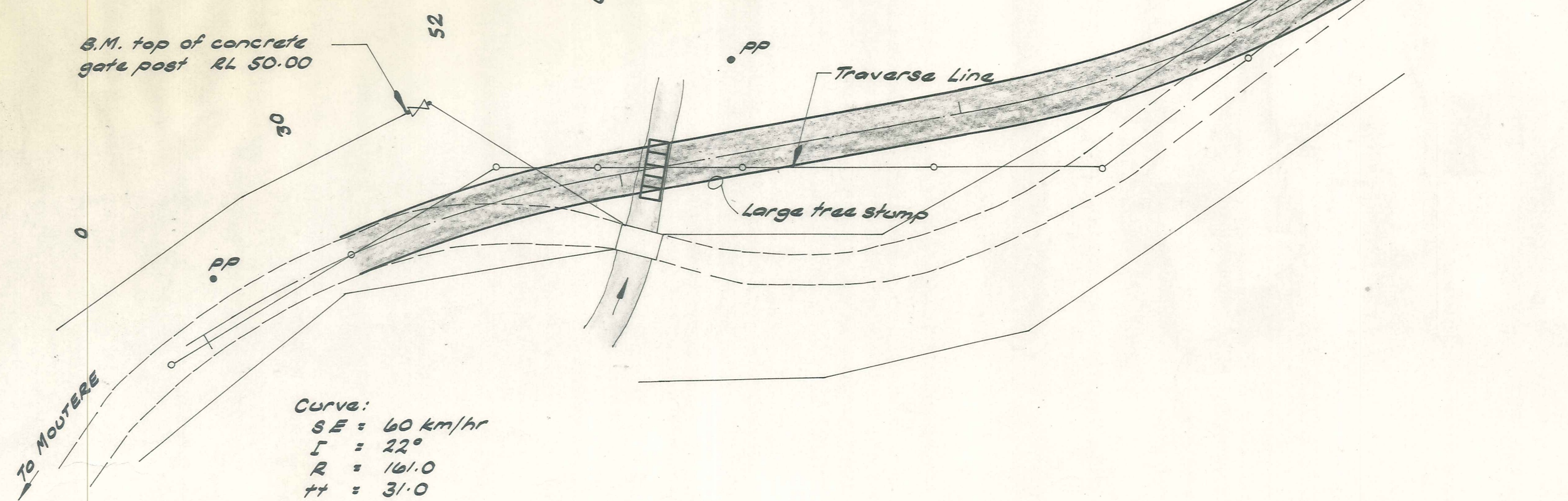


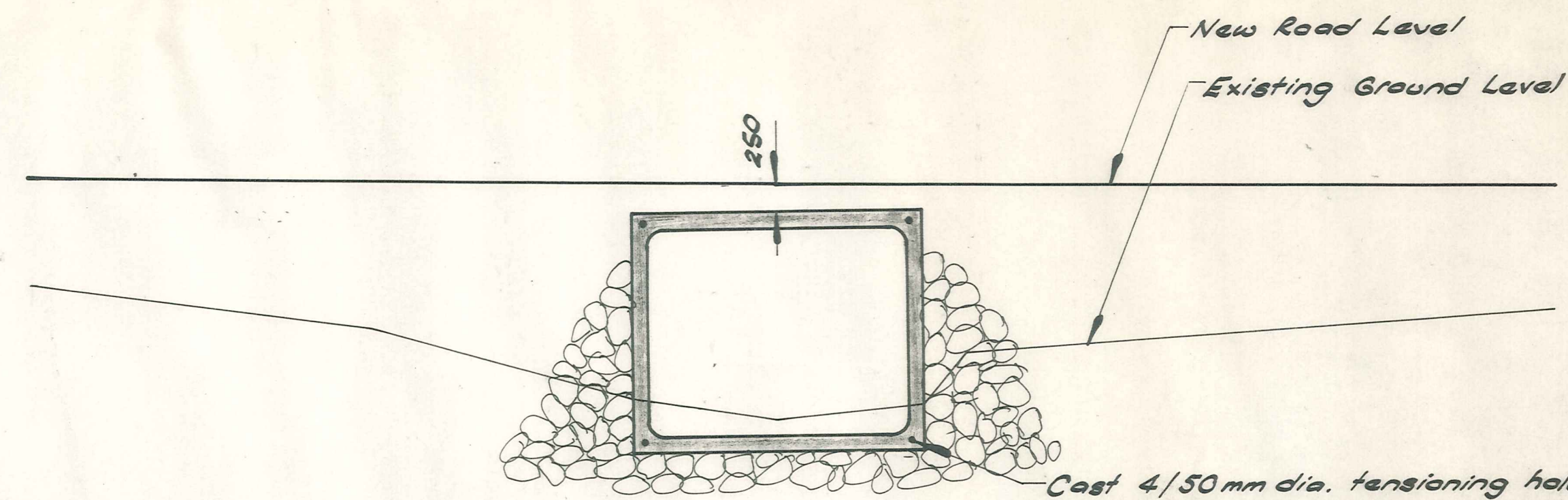
Curve:
 SV = 60 km/hr
 I = 27°
 R = 161.0
 Tt = 38.65
 Et = 4.57
 Max. SE 8%

B.M. top of concrete gate post RL 50.00



Curve:
 SE = 60 km/hr
 I = 22°
 R = 161.0
 Tt = 31.0
 Et = 3.01
 Max. SE 8%

PLAN 1:500

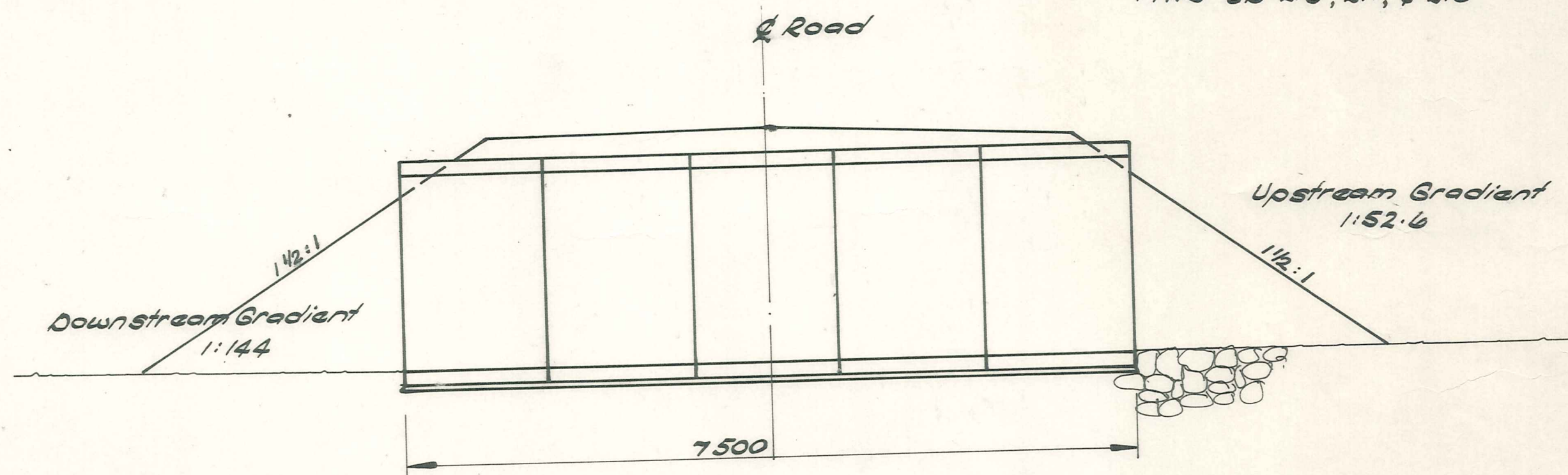


CROSS SECTION ON BRIDGE C

Cast 4/50 mm dia. tensioning holes in each corner for 20mm dia. MS rods threaded each end & tightened to take up between units, grout recess & dense tape protruding rod & nut.

NOTES: Design Live Load - HN-HO-72
 Design reqd. MWD CDP 706/A
 Reinforcement - grade 275 deformed.
 - stress $f_y = 380$ MPa
 Concrete Strength - $f_c = 40$ MPa

Drawg to be read in conjunction with MWD CD 210, 211, & 216

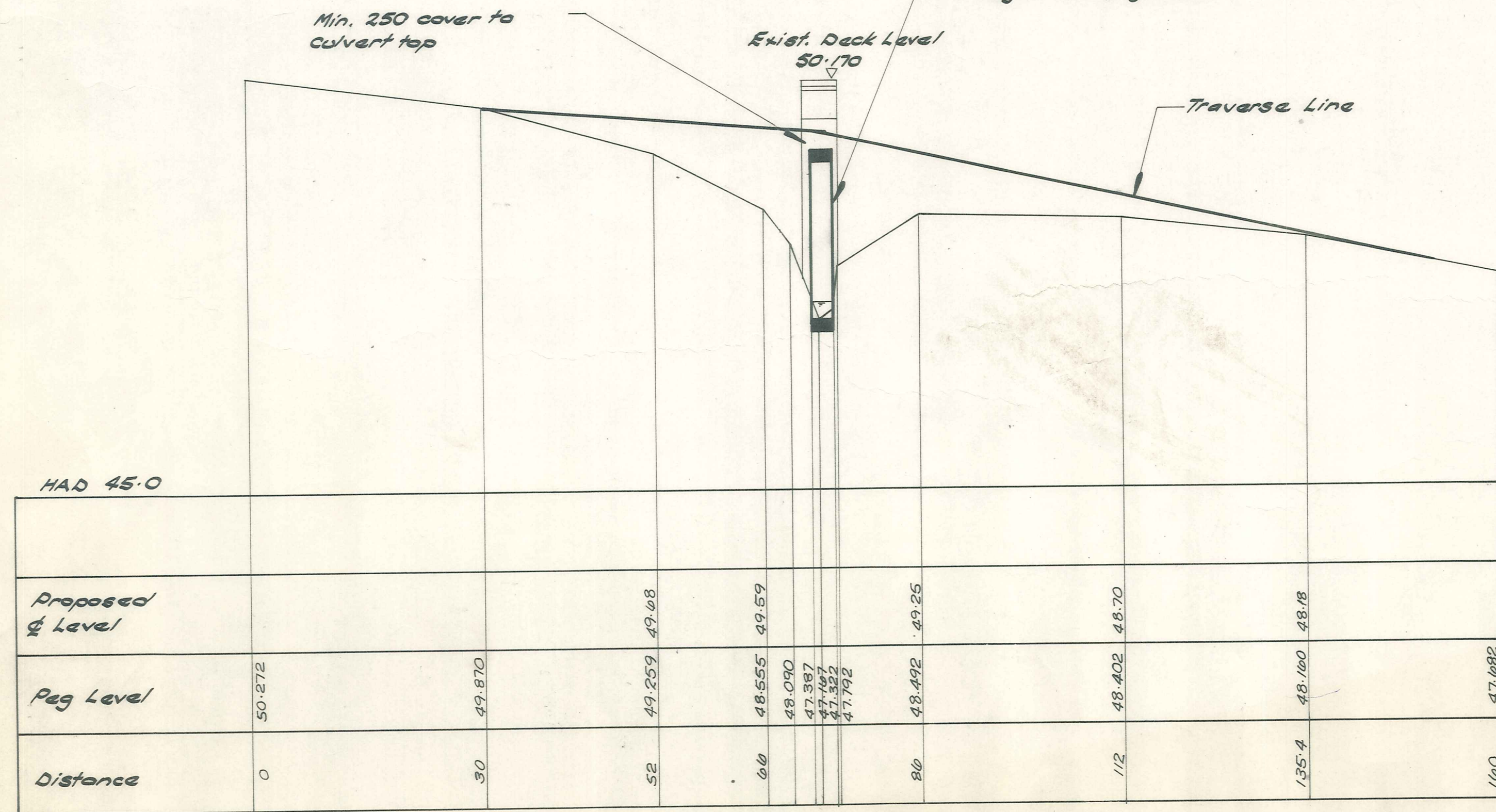


CROSS SECTION ON CULVERT D 1:50

5 - 2m x 2.5m x 1.5m RC box culvert on slight skew to new ϕ for best fit to existing creek alignment & grade.

Min. 250 cover to culvert top

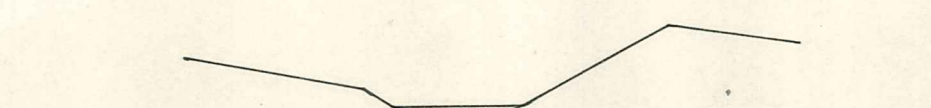
Exist. Deck Level 50.170



LONGITUDINAL SECTION Scale; Horiz. 1:500 Vert. 1:50



DOWNSTREAM 36m FROM BRIDGE



UPSTREAM 36m FROM BRIDGE

TYPICAL STREAM SECTIONS 1:100

DUFFILL WATTS & KING LTD
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 Balclutha PO Box 220 Ph 81-664 Cromwell PO Box 82 Ph 50-391

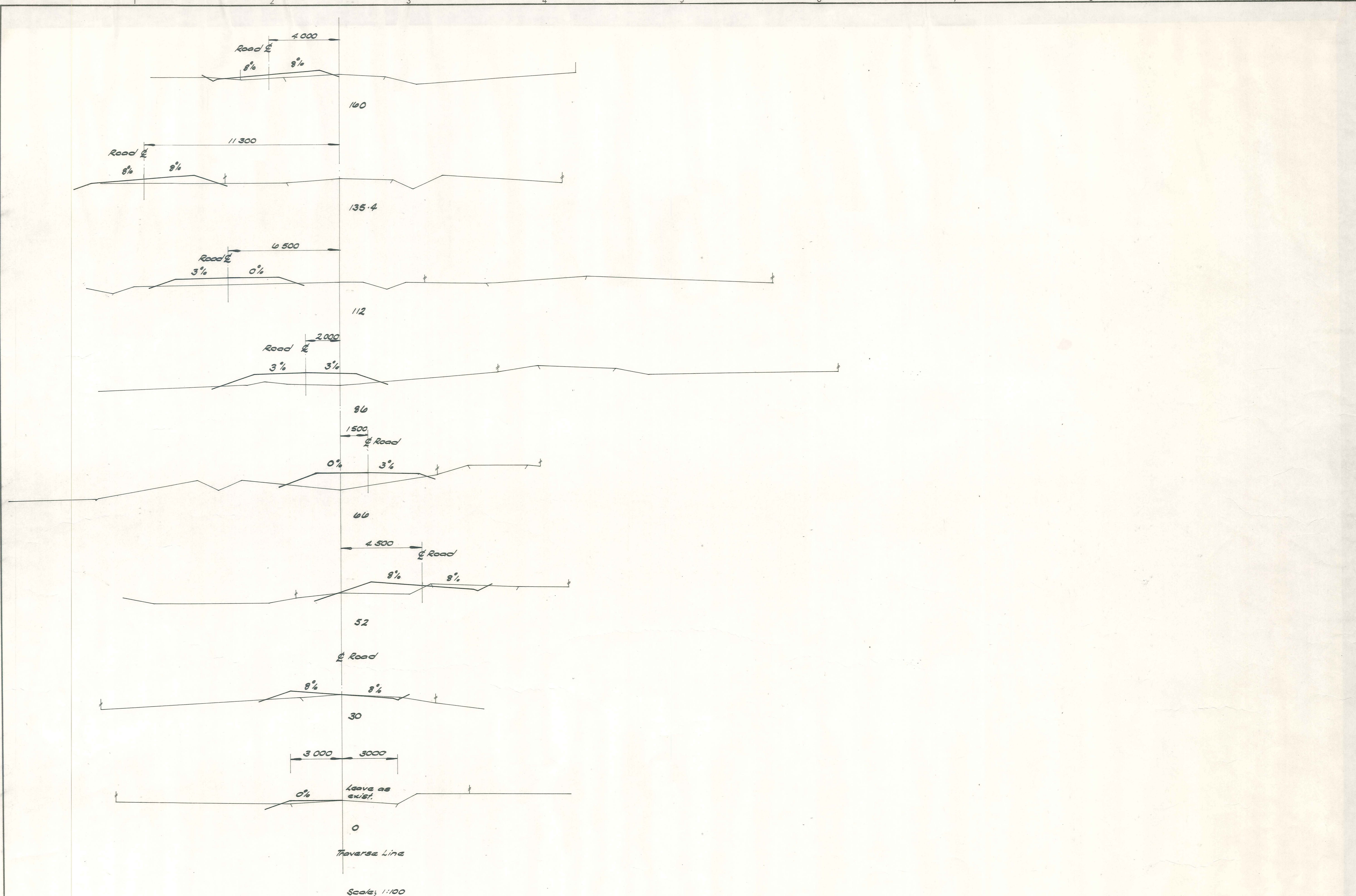
VINCENT COUNTY COUNCIL

YOUNG HILL CREEK BRIDGE REPLACEMENT
 PLAN, SECTION & BOX CULVERT DETAILS

AMENDMENTS			NAME	DATE	JOB NO.	Sheet No	
NO.	BY	DATE			9067	1	
			Appvd. Surveyed	M. Blakie			Oct. 81
			Drawn	J.R.W.			FEB. 82
			Calculations				
			Traced	W. J. J. J.			18.2.82
			Checked			of 2 sheets	
			Approved				

File 156 L.B.VCC413 F.B.

ORIGINAL SIZE
mm INCHES



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VINCENT COUNTY COUNCIL

YOUNG HILL CREEK BRIDGE REPLACEMENT
CROSS SECTIONS

AMENDMENTS			NAME	DATE	JOB NO.	Sheet No
NO.	BY	DATE			9067	2
			Appvd.	Surveyed		
				Drawn		
				Calculations		
				Traced		
				Checked	22.2.82	of 2 shts
				Approved	File 156	L.B.YCC 413