

Distance	0	30	60	90	120	150	180	210	240	270	300	322
Proposed Level	50		54.33		53.75		52.59		51.43		50.27	49.68
Paq Level	55.254	54.594	54.328	53.846	53.252	52.802	52.038	51.637	50.945	50.272	49.870	49.259

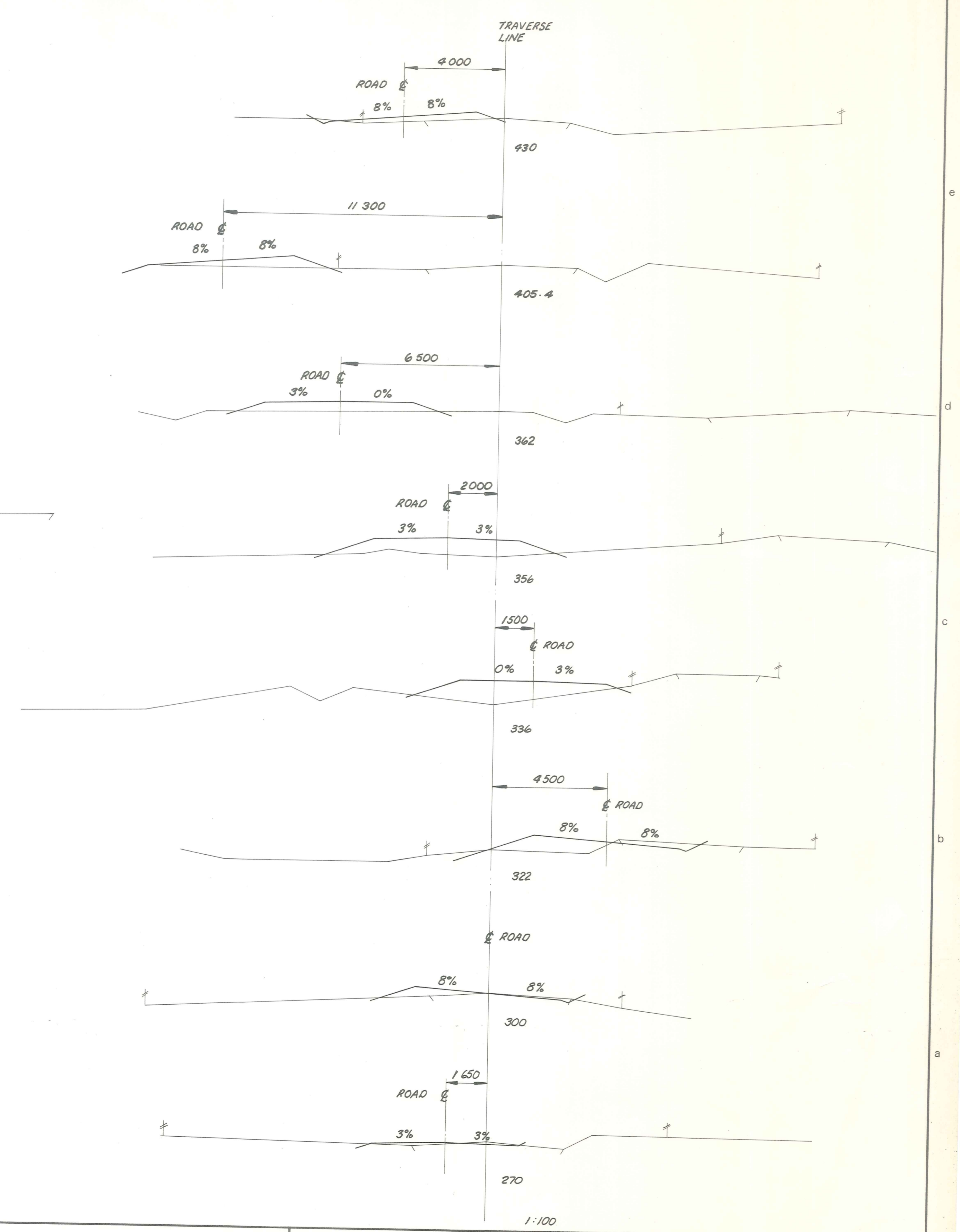
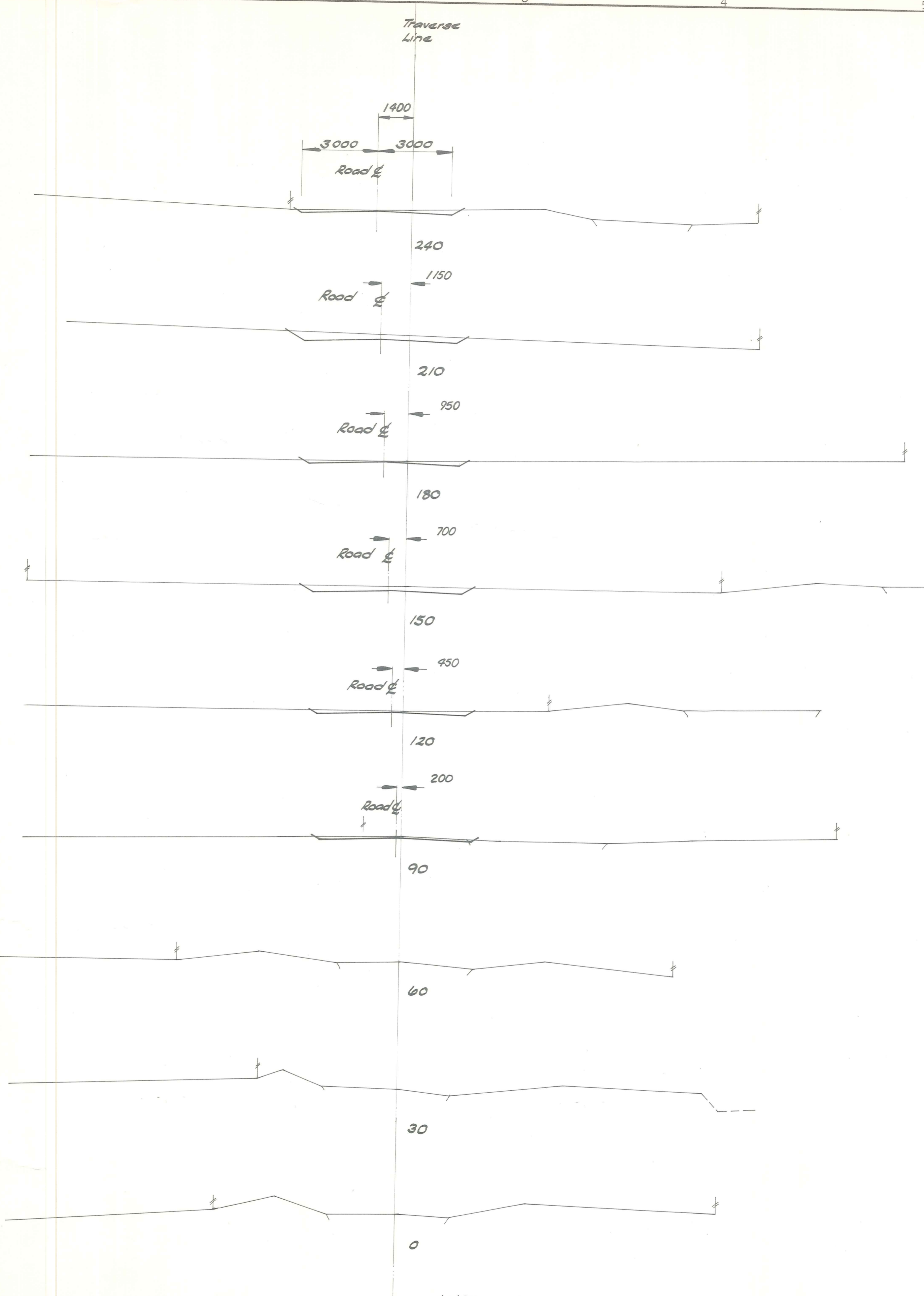
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 CONSULTING CIVIL & STRUCTURAL ENGINEERS  
 Dunedin PO Box 5269 Ph 777-133 Invercargill PO Box 576 Ph 83-049  
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VINCENT COUNTY COUNCIL

YOUNG HILL CREEK BRIDGE ROADING  
 APPROACH ROADING DETAILS

AMENDMENTS				NAME	DATE	JOB NO.	Sheet No
NO.	BY	DATE	Appvd.	M BLARIE	JUNE 82	9067	1
				DJ Tyssen	JUNE 82		of 4 shts
					7/82	File 156	L.B. - F.B. -





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VINCENT COUNTY COUNCIL

YOUNG HILL CREEK BRIDGE ROADING  
 APPROACH ROADING CROSS SECTIONS

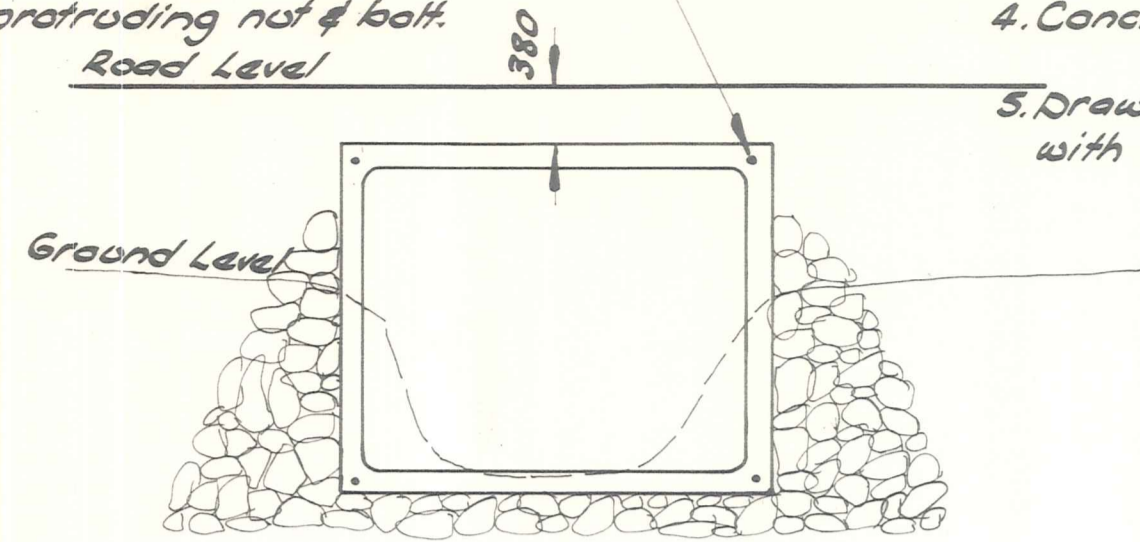
AMENDMENTS				NAME	DATE	JOB NO.	Sheet No
NO.	BY	DATE	Appvd.	Surveyed	M BLAKIE	JUNE 82	9067
				Drawn	"	"	3
				Calculations	"	"	of 4 shts
				Traced	D J Tyssen	June 82	
				Checked		7/82	
				Approved			

File 156 L.B. - F.B.

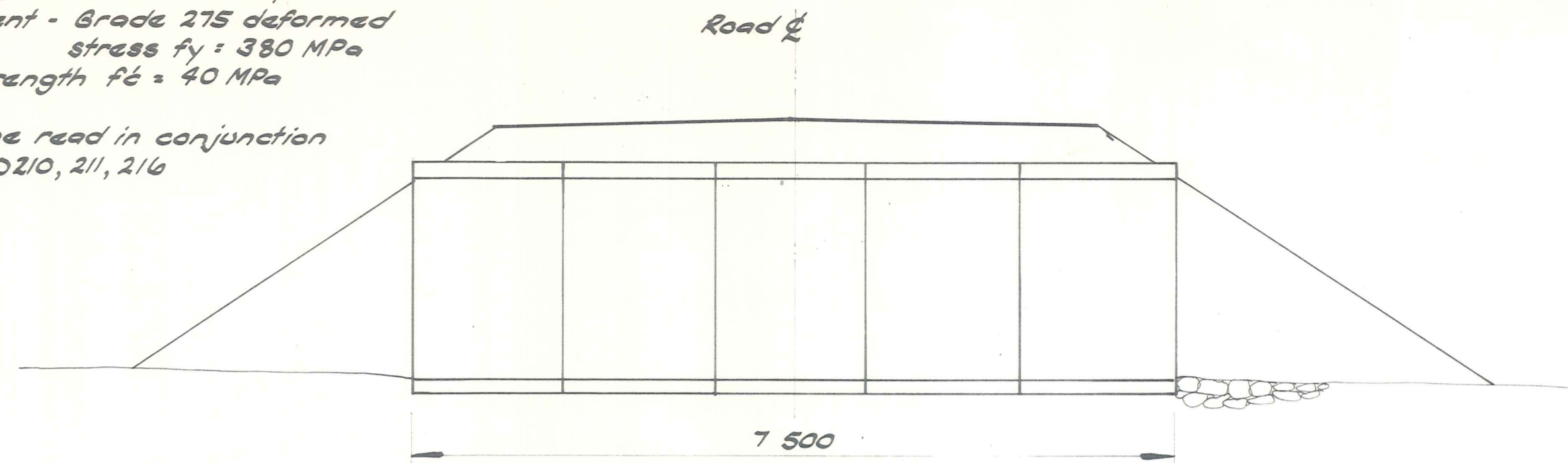
Cast 4/50 mm dia tensioning holes in each corner for 20 mm dia. MS rods threaded each end & tightened to take up between units, grout recess & denso tape protruding nut & bolt.

- Notes: 1. Design Live Load HN-HO-72  
 2. Design reqd. MWD CDP 706/A  
 3. Reinforcement - Grade 275 deformed stress  $f_y = 380$  MPa  
 4. Concrete Strength  $f_c = 40$  MPa

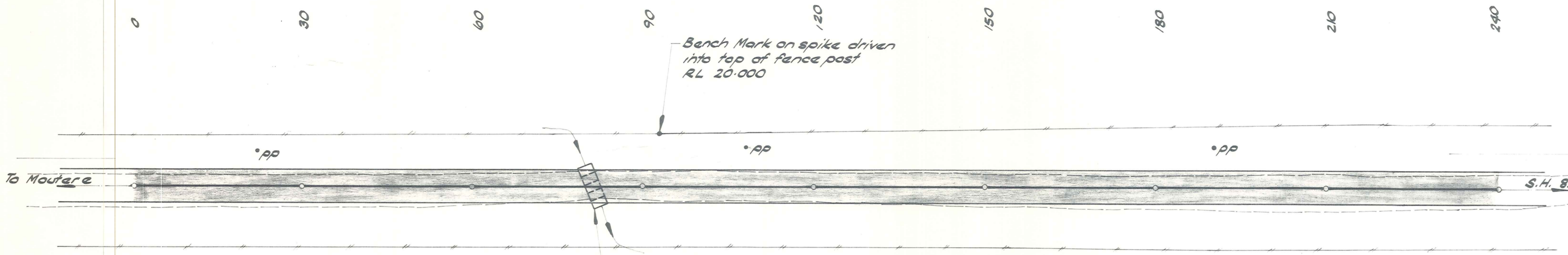
5. Drawing to be read in conjunction with MWD CD210, 211, 216



SECTION AT CULVERT  
1:50

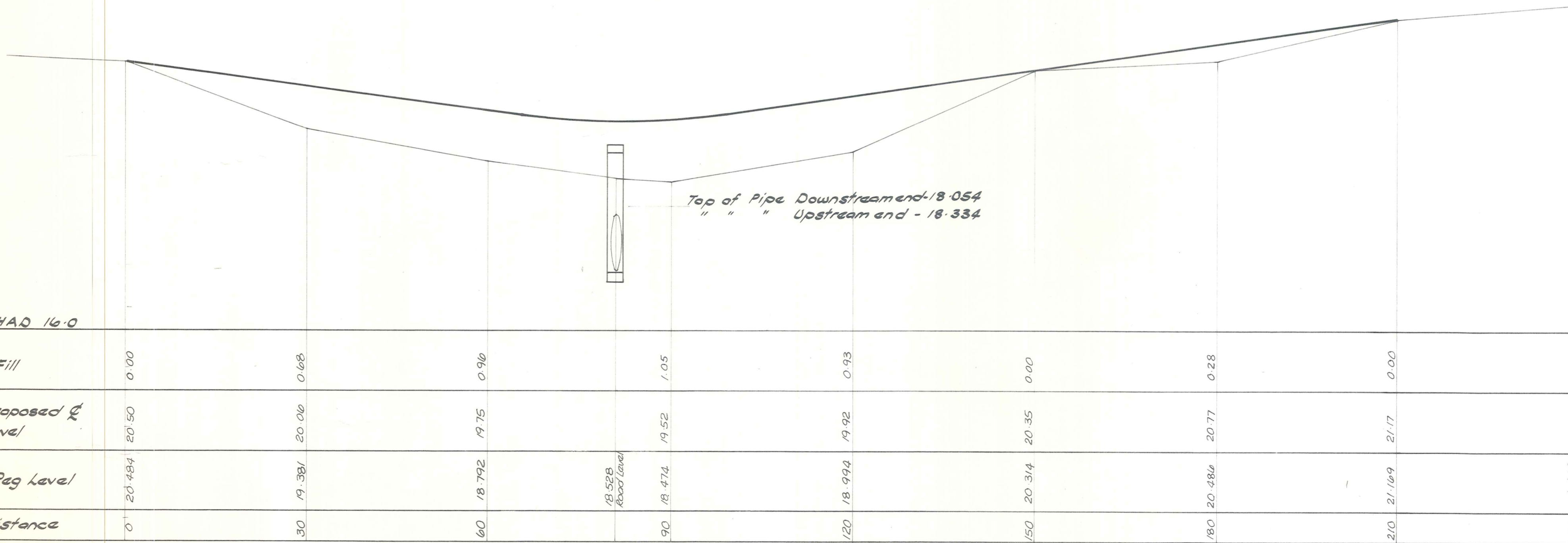


SECTION ON CULVERT Q  
1:50



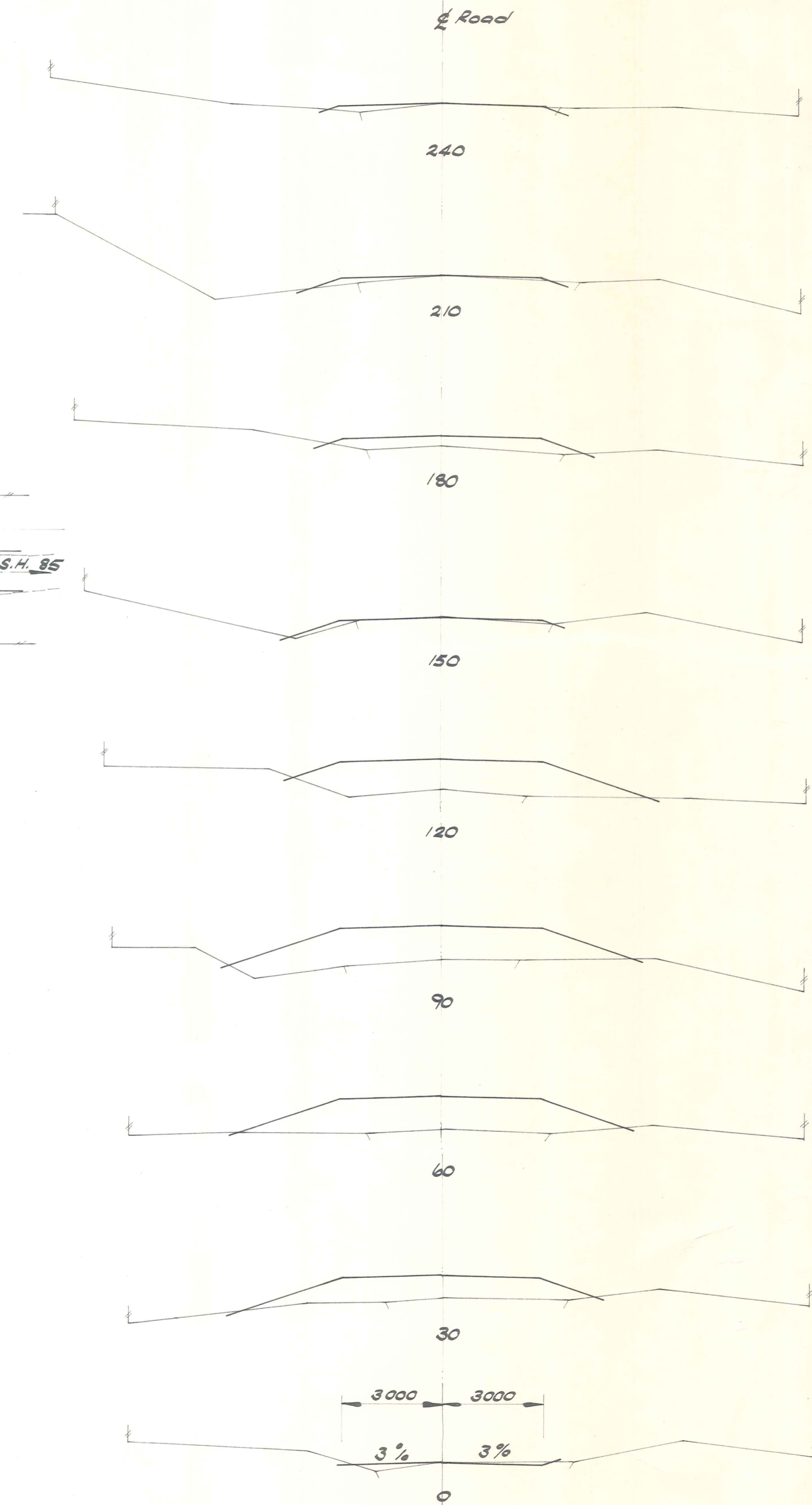
PLAN 1:50

Remove 1000 dia. culvert & replace with 5/ 2000 x 2500 x 1500 R.C. box culvert on skew to  $\phi$  for best fit to existing creek alignment & grade



LONGITUDINAL SECTION

Scales; Horiz. 1:500  
Vert. 1:50



CROSS SECTIONS  
1:100

Distance	0	30	60	90	120	150	180	210	240
Fill	0.00	0.68	0.96	1.05	0.73	0.00	0.28	0.00	
Proposed $\phi$ Level	20.50	20.06	19.75	19.52	19.92	20.35	20.77	21.17	
Peg Level	20.484	19.381	18.792	18.474	18.994	20.314	20.486	21.169	21.409
				18.528 Road Level					

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VINCENT COUNTY COUNCIL

MOUTERE - DISPUTED SPUR ROAD  
 PLAN & SECTIONS

AMENDMENTS			NAME		DATE	JOB NO.	Sheet No	
NO.	BY	DATE	Appvd.	Surveyed	M.J. BLAIKIE	20.7.82	9067	4
				Drawn	"	"		
				Calculations	J.R. WATTS			of 4 shts
				Traced	D.J. TYSSSEN			
				Checked				
				Approved				

File 156 L.B. 413 F.B.