

4

3

200

150

100

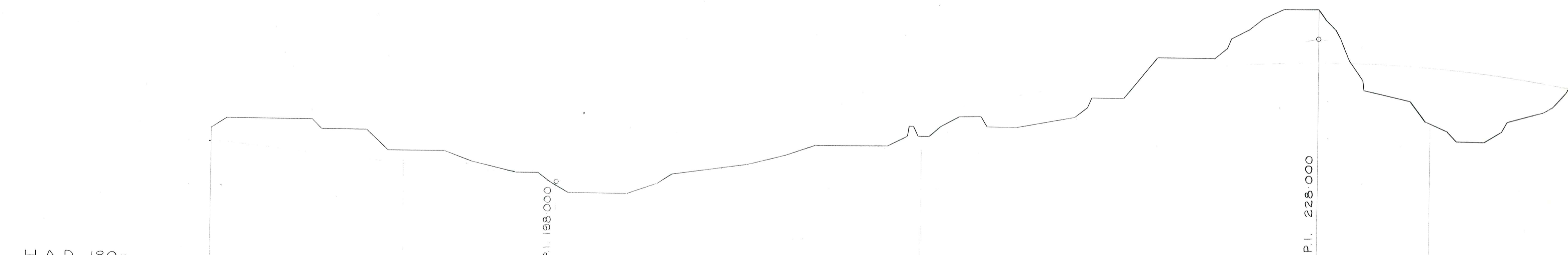
50

30

ORIGINAL SIZE mm



H.A.D. 180 m.	
£ STATION.	228 948 864 0      231 152 1000 0      223 025 1500 0      212 049 2000 0      205 464 2300 0
FINISHED £ LEVEL.	
VERTICAL ALIGNMENT.	400 m. Summit V.C. K = 70 m. + 3.5%      - 2.2%
HORIZONTAL ALIGNMENT.	Straight.      70 m. Trans. 550 m. Rad. 70 m. Trans. CURVE 2.      Straight.      50 m. Trans.      800 m. Radius. CURVE 3.      50 m. Trans.      Straight.



H.A.D. 180 m.	
£ STATION.	205 464 2300 0      201 083 2500 0      200 323 2640 0 V.P.I. 198 000      212 400 3000 0      223 176 3390 0 V.P.I. 228 000      222 937 3500 0      218 705 3640 0
FINISHED £ LEVEL.	
VERTICAL ALIGNMENT.	- 2.2%      300 m. Sag V.C. K = 48 m.      + 4.0%      500 m. Summit V.C. K = 65 m.      - 3.7%
HORIZONTAL ALIGNMENT.	Straight.      60 m. Trans.      600 m. Radius. CURVE 4.      60 m. Trans.      Straight.      60 m. Trans.      600 m. Radius. CURVE 5.      60 m. Trans.

P.W. 482-AI  
Rev. JAN. 1976

AMENDMENTS	BY	APPD	DATE

DESIGNED	BY	CHECKED BY	DATE
	<i>D. C. G.</i>	<i>D. C. G.</i>	5/77
DRAWN	<i>C. Baughen</i>	<i>D. C. G.</i>	8/77
DES. SUP.	<i>D. C. G.</i>	<i>D. C. G.</i>	8/77
DWG. SUP.	<i>D. C. G.</i>	<i>D. C. G.</i>	8/77
RECOMMENDED	<i>D. C. G.</i>	<i>D. C. G.</i>	10/77

F. A. LANGBEIN  
DIRECTOR OF ROADING

E. J. BURT  
CHIEF  
HIGHWAYS ENGINEER

APPROVED  
*R. O. Buller*  
Dist. Civil Eng.

**Ministry of Works and Development**

**CIVIL ENGINEERING DUNEDIN**

CIVIL DESIGN OFFICE.  
N. C. McLEOD, Commissioner

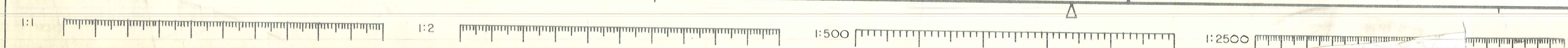
S.H. 8      R.D. 16.      R.S. 295.

REALIGNMENT      R.P. 295/4 - R.P. 295/11.

RAILWAY SADDLE - GIBRALTAR ROCK SECTION.

SCHEME PLAN: PROFILE      864 m - 3640 m.

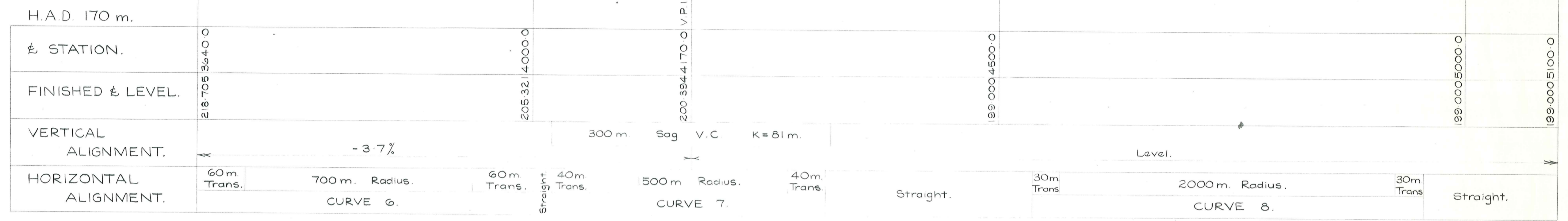
ORIGINAL SCALES	Vert. 1:500.	Horiz. 1:2500.	FILE
JOB	CODE	SHEET	REVISION
7/75/8	5704	16	



Whole numbers = mm  
Decimalised expressions = m

4  
3  
2  
1

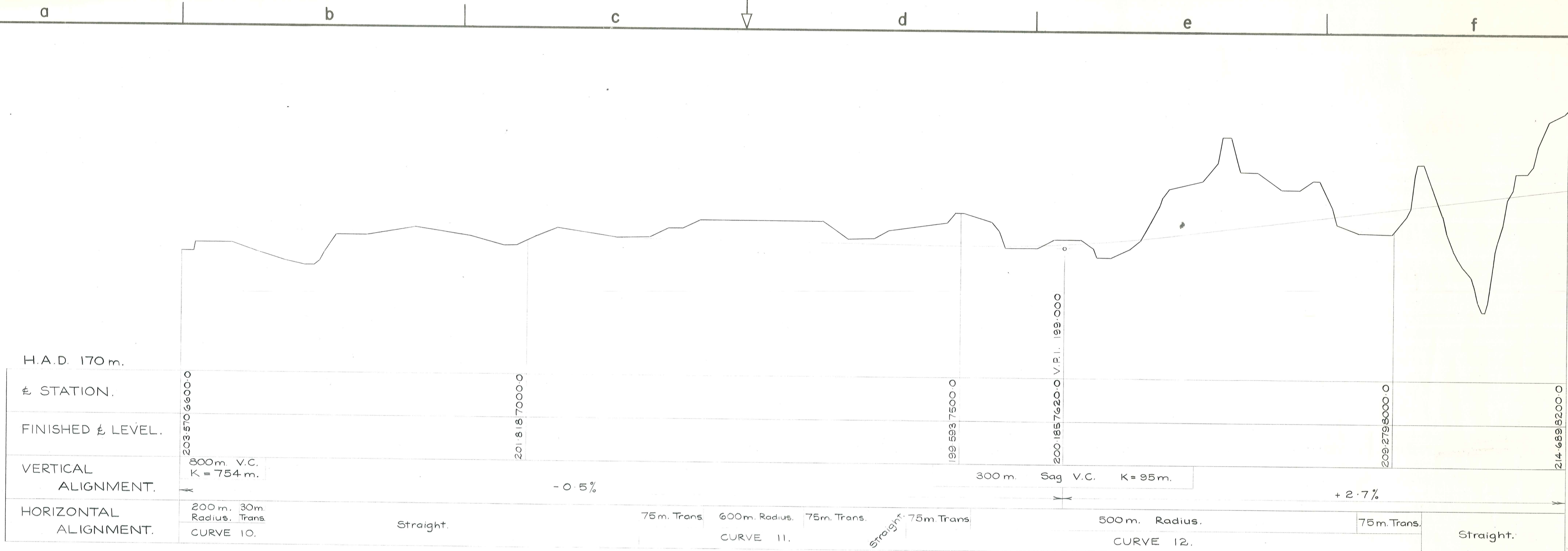
ORIGINAL SIZE mm



DESIGNED	BY <i>D. C. Carter</i>	CHECKED BY <i>D. C. Carter</i>	DATE 6/77	F. A. LANGBEIN DIRECTOR OF ROADING		S.H. 8.	R.D. 16.	R.S. 295.	ORIGINAL SCALES	Vert. 1:500.	FILE	
DRAWN	<i>C. Baughen</i>		8/77	E. J. BURT CHIEF HIGHWAYS ENGINEER		CIVIL ENGINEERING DUNEDIN	REALIGNMENT	R.P. 295/4	R.P. 295/11.	Horiz. 1:2500.		
DES. SUP.	<i>D. Carter</i>		4/77			GIBRALTAR ROCK	SONORA CREEK SECTION.					
DWG. SUP.	<i>D. Carter</i>		3/77			SCHEME PLAN: PROFILE 3640m. - 6600m.						
RECOMMENDED.	<i>K. O. Buller</i>		10/77	APPROVED K. O. Buller Dist. Civil Eng.	CIVIL DESIGN OFFICE. N.C. McLEOD. Commissioner				JOB	CODE	SHEET	REVISION
AMENDMENTS				BY	APPD	DATE			7/75/8	5704	17	

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0

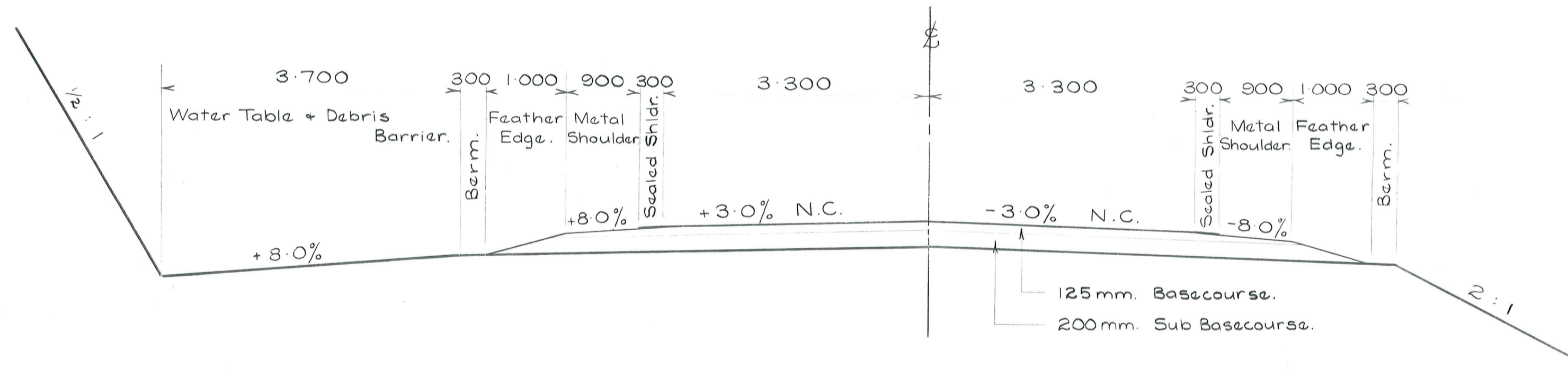
4  
3  
2



H.A.D. 170 m.										
£ STATION.	203 570 66000	201 818 70000	199 593 75000	200 185 76200	209 279 80000	214 669 82000				
FINISHED £ LEVEL.										
VERTICAL ALIGNMENT.	800 m. V.C. K = 754 m.			300 m. Sag V.C. K = 95 m.						
HORIZONTAL ALIGNMENT.	200 m. 30m Radius. Trans. CURVE 10.	Straight.	75 m. Trans. 600 m. Radius. CURVE 11.	75 m. Trans. Straight. 75 m. Trans.	500 m. Radius. CURVE 12.	75 m. Trans.				Straight.

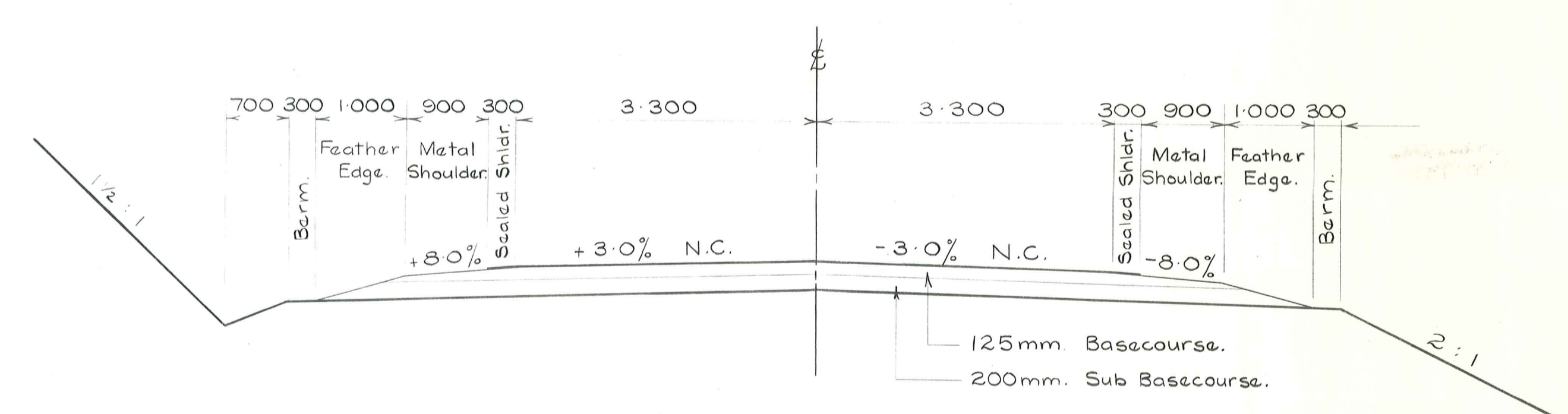
PROFILE 6600m - 8200m.

SCALES. Vert. 1:500.  
Horiz. 1:2500.



TYPICAL CROSS SECTION. 864m. - 2600m.

SCALE. 1:50.



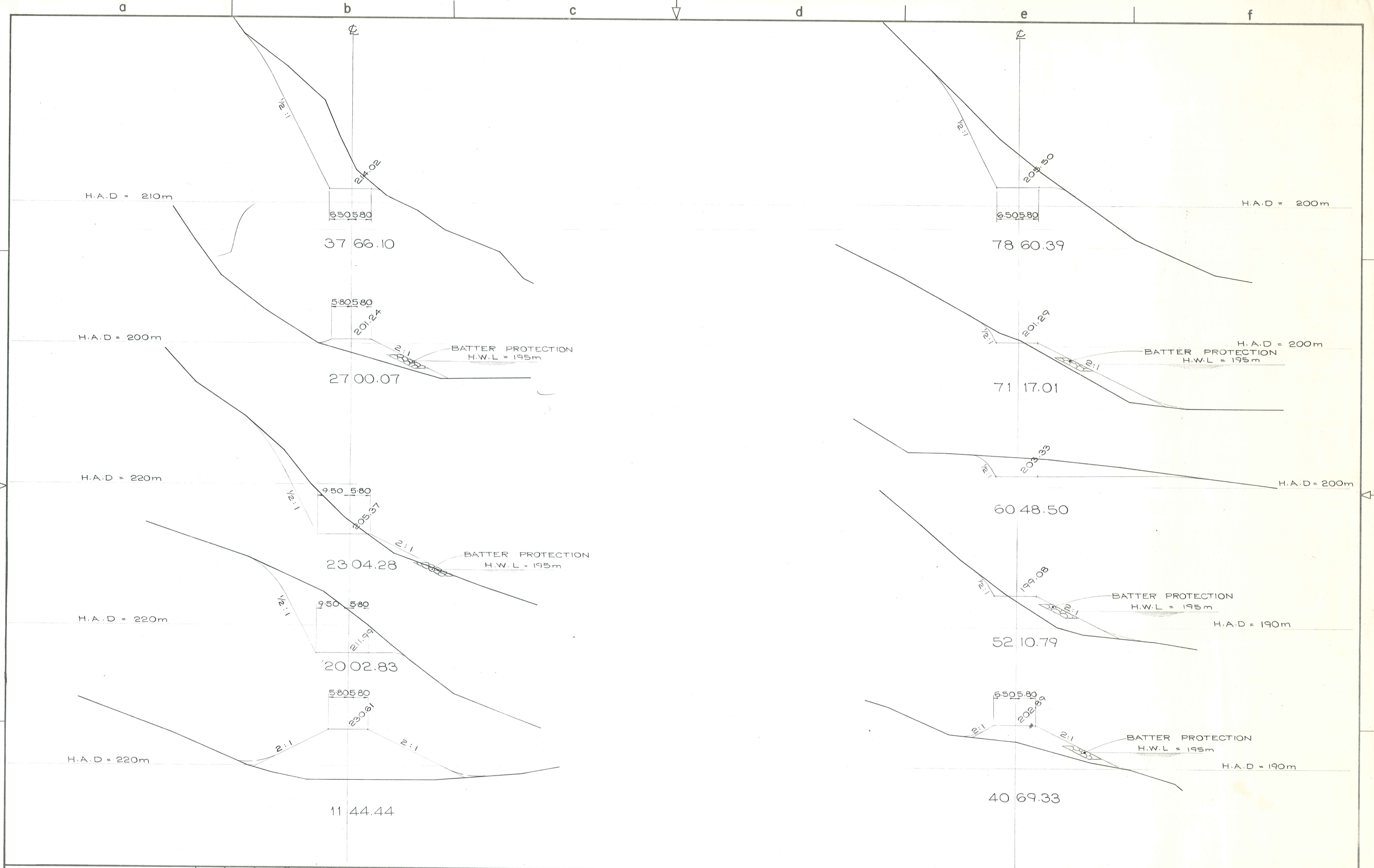
TYPICAL CROSS SECTION. 2600m. - 6600m.

SCALE. 1:50.

DESIGNED	BY	CHECKED BY	DATE	F. A. LANGBEIN DIRECTOR OF ROADING	Ministry of Works and Development	S.H.8. R.D.16. R.S.295. REALIGNMENT R.P.295/4 - R.P.295/11. GIBRALTAR ROCK - SONORA CREEK SECTION.	ORIGINAL SCALES	As Shown.	FILE	
DRAWN			8/77	E. J. BURT CHIEF HIGHWAYS ENGINEER			CIVIL ENGINEERING DUNEDIN			
DES. SUP.			4/77	APPROVED	CIVIL DESIGN OFFICE.	SCHEME PLAN : PROFILE & TYPICAL SECTIONS.	JOB	CODE	SHEET	REVISION
DWG. SUP.			8/77	R. O. BULLER Dist. Civil Eng.	N.C. McLEOD, Commissioner		7/75/8	5704	18	
AMENDMENTS				BY	APP'D	DATE				



4  
3  
2  
1  
0  
50  
100  
150  
200  
300  
ORIGINAL SIZE mm



DESIGN		BY	CHECKED BY	DATE	F. A. LANGBEIN DIRECTOR OF ROADING	 <b>Ministry of Works and Development</b> <b>CIVIL ENGINEERING DUNEDIN</b> CIVIL DESIGN DIV.	S.H.8 RD 16 RS 295		ORIGINAL SCALES	FILE		
DRAWN				6/77	E. J. BURT CHIEF HIGHWAYS ENGINEER		REALIGNMENT FROM RP 295/4 - RP 295/11		1:500			
DES. SUPVD				6/77			CROMWELL RLY YARDS - SONORA CRK SECTION		JOB	CODE	SHEET	REVISION
DRG. SUPVD				8/77			SCHEME PLAN: REPRESENTATIVE CROSS SECTIONS		7175/8	5704	19	
RECOMMENDED				10/12/77	APPROVED							
DIST. HIGHWAYS ENG				13/10/77	N. C. McLEOD Commissioner							