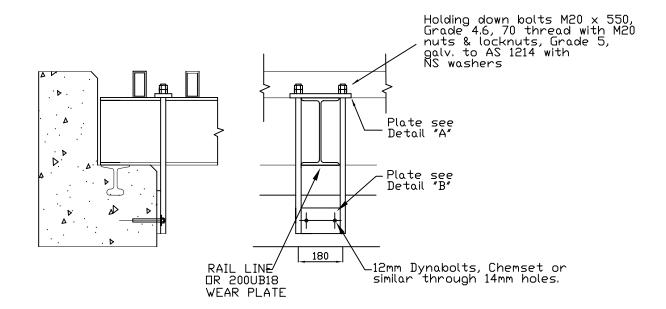


ABUTMENT FRONT VIEW

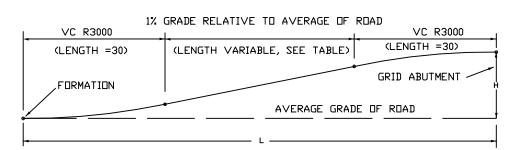
ABUTMENT DETAIL



HOLDING DOWN BOLT DETAIL

NOTES:

- 1. Concrete to be 32MPa/20
- 2. 4 Holding-Down Bolt arrangements are to be installed - one per corner of each grid segment.
- 3. Weight approx. 2.02 Tonnes for 4.0m segment.
- 4. Main Roads Standard insitu abutment may be used. Refer MRD Std Drgs 1561 and 1353.
- 5. Prefabricated pre-cast concrete abutments may be used, provided they are approved by CTRC, and both the abutments and the bedding are certified by a practising structural engineer.
- 6. Certified prefabricated Steel footings may be used provided they are approved by CTRC.
- 7. If prefabricated steel footings are used they shall be founded upon a 200mm thick reinforced concrete footing or a 300mm deep cement stabilised gravel footing compacted to 95% MDD.



Half Longitudinal Section

HEIGHT LENGTH DISTANCE FROM GRID							LENGTH				
Н	L	10	20	30	40	50	60	70	80	90	GRADE
0.7	100	0.68	0.63	0.55	0.45	0.35	0.25	0.15	0.07	0.02	40
0.6	90	0.58	0.53	0.45	0.35	0.25	0.15	0.07	0.02	-	30
0.5	80	0.48	0.43	0.35	0.25	0.15	0.07	0.02	-	-	20
0.4	70	0.38	0.33	0.25	0.15	0.07	0.02	-	-	-	10
0.3	60	0.28	0.23	0.15	0.07	0.02	-	-	-	-	0

ROAD APPROACH RAMP GRADIENT DETAILS

$\overline{}$			\Box
MK	DETAILS OF AMENDMENTS	APPROVED BY:	DATE



۱ (SURVEY	SCALE:NTS				
	DATUM	CHECKED	DATE			
	DESIGN	APPROVED	DATE			
Įţ	DRAWN: RJGOUGH	APPROVED EXEC. MGR ROADS INFRASTRUCTURE				

S0049-1 CONCRETE ABUTMENT DETAILS

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