



- THE GROUND BEAM SHOULD BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING:
- THE MINIMUM LENGTH OF GROUND BEAM SHALL BE NOT LESS THAN 20M.
  - EXCAVATION TO BE DONE TO MINIMISE OVER BREAK AND LOOSENING OF IN SITU MATERIAL.
  - ALL LOOSE MATERIAL TO BE REMOVED FROM THE TRENCH BEFORE POURING CONCRETE.
  - THE CAST IN BRACKET ASSEMBLY (NZTA STANDARD DETAIL B5) TO BE SET OUT AND FIXED UNDER THE BEAM REINFORCEMENT BEFORE POURING CONCRETE.
  - CONCRETE STRENGTH TO BE MINIMUM 30MPA AT 28 DAYS.
  - CONCRETE TO BE POURED ON A BED OF WELL COMPACTED GAP 40 MATERIAL (MINIMUM DEPTH 60MM).
  - CONCRETE TO BE POURED AGAINST TRENCH SIDES, WITH NEAT EDGES FORMED USING FRAMING AT THE FINISHED GROUND LEVEL.
  - ROAD SIDE OF GROUND BEAM TO BE FLUSH WITH SHOULDER.

## STANDARD DETAIL GROUND BEAM

N.T.S

IN THOSE LOCATIONS ON STATE HIGHWAY PROJECTS WHERE A GROUND BEAM IS THE APPROPRIATE SOLUTION BUT CANNOT BE CONSTRUCTED IN ACCORDANCE WITH THE DIMENSIONS SHOWN, THE PROPOSED MODIFICATIONS AND SUPPORTING RATIONALE SHOULD BE REFERRED TO THE LOCAL NZTA PRINCIPAL SAFETY ENGINEER FOR RESOLUTION OR ESCALATION.

### NZ Transport Agency Standard Detail - Ground Beam for Semi-Rigid Barrier Systems (Note: Minimum length = 20m, cover to all sides to be minimum 75mm)

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REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
0		ORIGINAL ISSUE			

DRAWING NUMBER	REFERENCE DRAWINGS

NAME	DATE
DRAWN LG	16-11-2015
CHECKED SE	16-11-2015
APPROVED LG	
SCALE	N.T.S. @ A3
ISSUE FOR	INFORMATION ONLY

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57-65 AIRDS ROAD MINTO, N.S.W 2566 PH. +61 2 9827 3333 www.ingalcivil.com.au

PROJECT	
TITLE	NZTA FLEXBEAM W-BEAM GUARDRAIL GROUND BEAM DETAIL

INGAL CIVIL PRODUCTS PART No.	
DRAWING No.	GR-STDNZ-061
Rev.	0