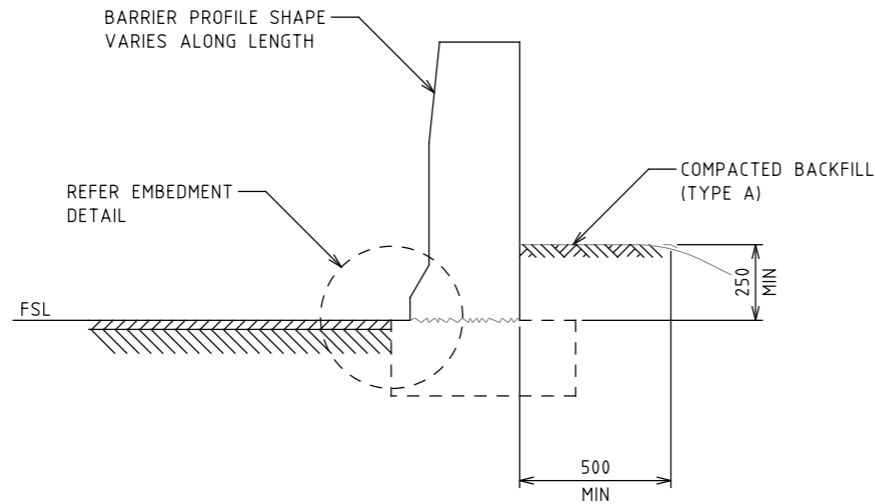
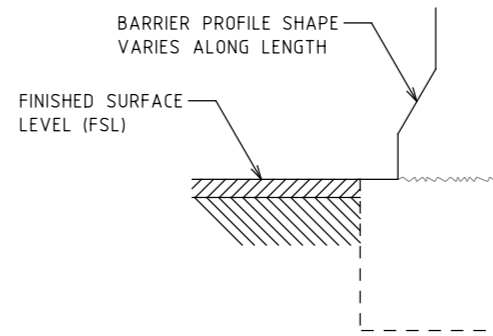


ISSUE	APPROVED BY	DATE	AMENDMENT



**SECTION A
TYPICAL VERGE APPLICATION**



EMBEDMENT DETAIL

NOTE:
TYPICAL EMBEDMENT DETAIL ONLY. PAVEMENT TO SUIT LOCATION OF BARRIER IN CONTEXT OF ROAD ENVIRONMENT. CONSULT PAVEMENT ENGINEERS FOR APPROPRIATE PAVEMENT DETAILS.

NOTES:

- THIS DRAWING MUST BE READ IN CONJUNCTION WITH SD3951, SD3952, SD3953, AND SD3954.

CONSTRUCTION (MANUFACTURE):

- CONCRETE BARRIER TRANSITION END BLOCK MAY BE CAST IN-SITU OR PRECAST.
- CONCRETE BARRIER TRANSITION END BLOCK MUST BE ANCHORED TO WITHSTAND A 360KN LOAD APPLIED AT 800mm ABOVE GROUND SURFACE ON THE BARRIER TO SUIT SITE CONDITIONS. WHERE EMBEDMENT AS DETAILED ON SD3902 IS MET, AN ANCHOR FOOTING OF 250mm DEEP x 3800mm LONG MAY BE USED.
- THE ANCHOR FOOTING MAY BE CAST INTEGRALLY WITH THE CONCRETE BARRIER TRANSITION END BLOCK OR MAY BE CAST IN-SITU PRIOR TO CONSTRUCTION OF THE TRANSITION END BLOCK WITH A PREPARED CONSTRUCTION JOINT AT THE TOP OF THE ANCHOR FOOTING. CONSTRUCTION JOINT MUST BE IN ACCORDANCE WITH STANDARD SPECIFICATION CLAUSE 610.20.

CONCRETE:

- GRADE MUST BE VR330/32 IN ACCORDANCE WITH SECTION 610 OF VICROADS SPECIFICATIONS.
- EXPOSURE CLASSIFICATION MUST BE B1 MINIMUM.
- SURFACE FINISH MUST BE CLASS 3 IN ACCORDANCE WITH SECTION 610 OF VICROADS SPECIFICATIONS.

REINFORCEMENT:

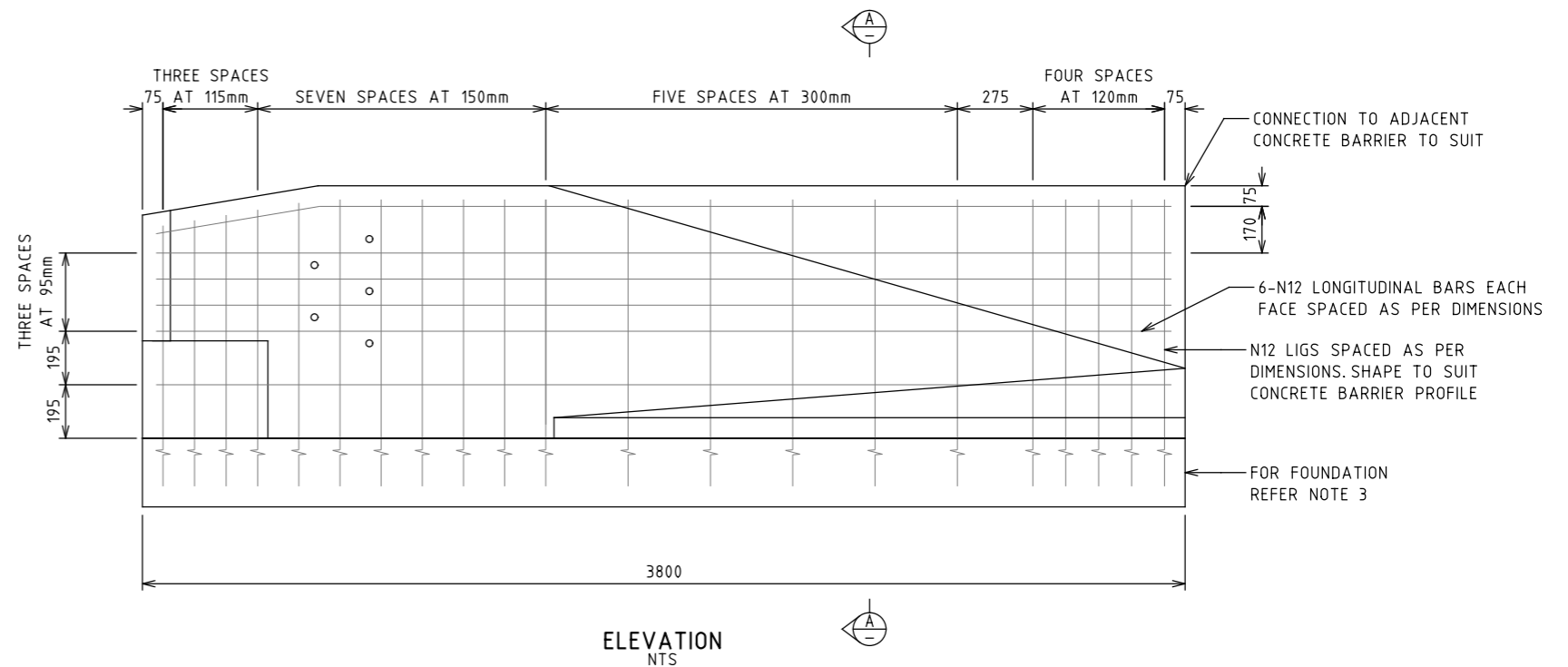
- DESIGN OF REINFORCING STEEL MUST BE IN ACCORDANCE WITH AS3600.
- COVER: 40mm.
- SPACING: EQUAL UNLESS NOTED OTHERWISE.
- GRADE: 500 (NORMAL DUCTILITY) TO AS/NZS4671.
(N) DENOTES HIGH STRENGTH STEEL REINFORCING DEFORMED BARS.
- WELDING: NOT PERMITTED.

CONNECTIONS:

- THE CONCRETE BARRIER TRANSITION END BLOCK MUST BE CONNECTED TO THE ADJACENT CONCRETE BARRIER UNIT IN ACCORDANCE WITH SD3904 (PRECAST), SD3906 (SLIPFORM) OR AN APPROVED EQUIVALENT.
- CONNECTION TYPE MUST BE DESIGNED IN CONJUNCTION WITH THE REINFORCEMENT TO PREVENT CLASH.

OTHER:

- PROVISIONS FOR DRAINAGE (E.G. DRAINAGE SLOTS) REQUIRE A SITE SPECIFIC DESIGN.
- REFER TO CONTRACT SPECIFICATION FOR ELECTRICAL CONDUIT REQUIREMENTS. CONDUITS MUST NOT COMPROMISE THE STRUCTURAL INTEGRITY OF THE CONCRETE BARRIER. EASE OF GROUTING MUST BE CONSIDERED.



**ELEVATION
NTS**

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

DISCLAIMER
THIS DRAWING DOES NOT COVER BRIDGE AND BRIDGE APPROACH BARRIERS WHICH SHALL BE DESIGNED TO FULLY COMPLY WITH THE REQUIREMENTS OF AS 5100 IRRESPECTIVE OF THESE DRAWINGS.

ROAD AND TRAFFIC DESIGN
MANAGER
SAFE SYSTEM
ENGINEERING
60 DENMARK STREET
KEW VICTORIA 3101
PHONE (03) 9854 2666



ROAD SAFETY BARRIERS
GUARD FENCE TO CONCRETE BARRIER TRANSITION
CONCRETE BARRIER DETAIL

NOT TO SCALE	APPROVED M-RD&SSE	12/2021	SD NO. SD3955	ISSUE
--------------	----------------------	---------	------------------	-------