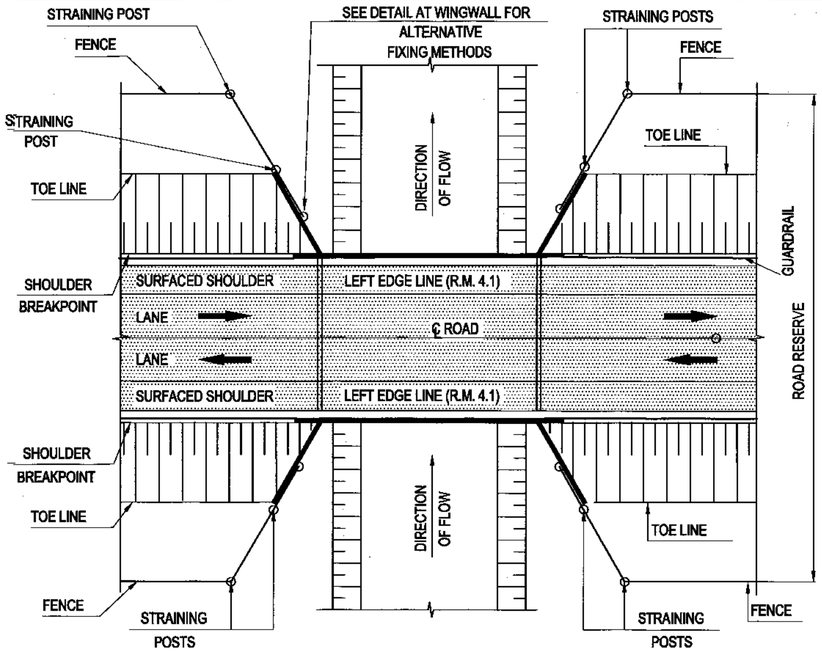
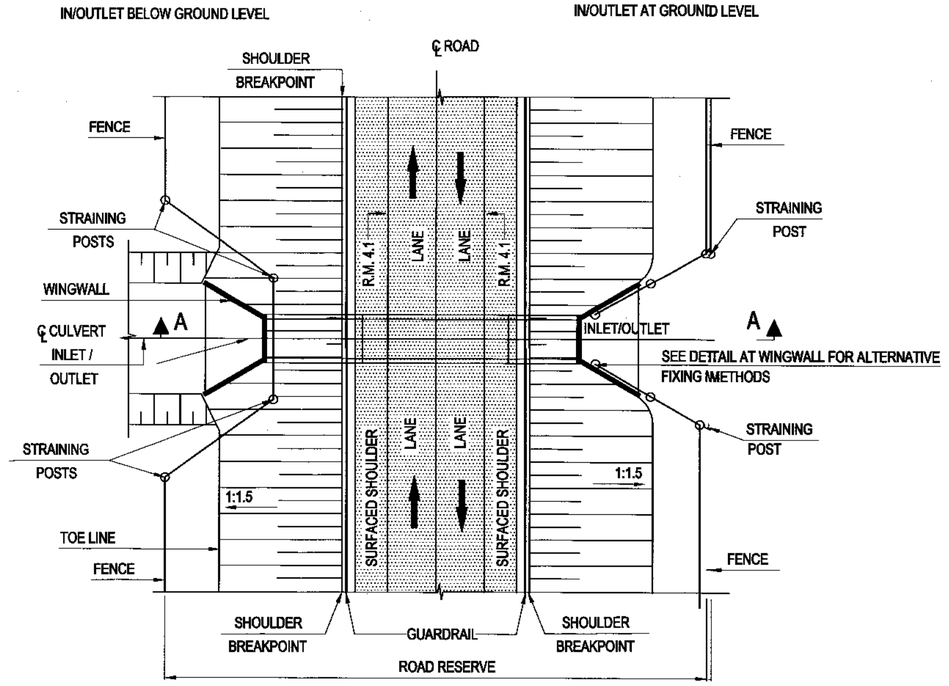


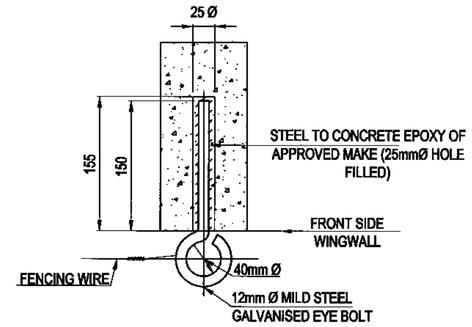
DETAIL AT RIVER BRIDGES PLAN

N.T.S.



PLAN : DETAIL AT CULVERTS AND CATTLE CREEPS

N.T.S.

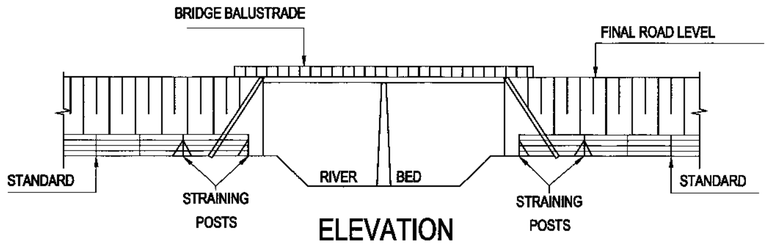


DETAIL "A" RING BOLT DETAIL

SCALE 1 : 5

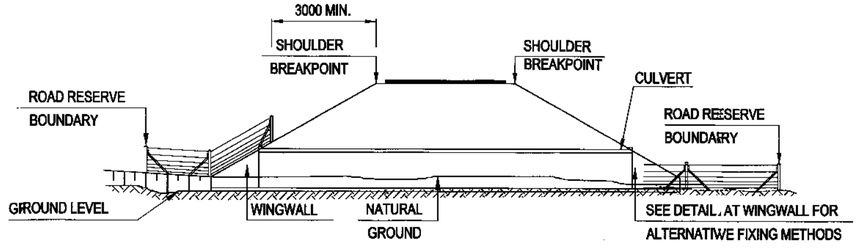
NOTES ON RING BOLT INSTALLATION :

1. EPOXY PASTE TO BE PLACED AT THE BACK OF THE HOLE PRIOR TO INSERTION OF THE BOLT.
2. CAVITY AROUND THE BOLT MUST BE COMPLETELY FILLED WITH EPOXY ADHESIVE.
3. THE SWIRLING OF A THICK LAYER OF EPOXY ADHESIVE AROUND THE BOLT BEFORE PLACING IT IN THE HOLE SHALL NOT BE PERMITTED.



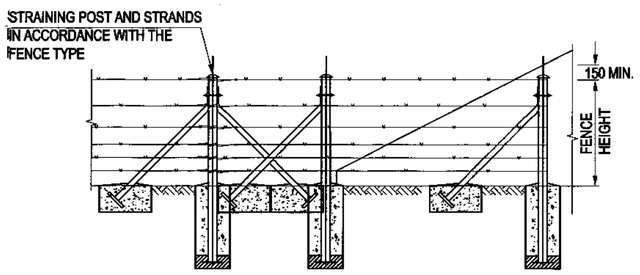
ELEVATION

N.T.S.



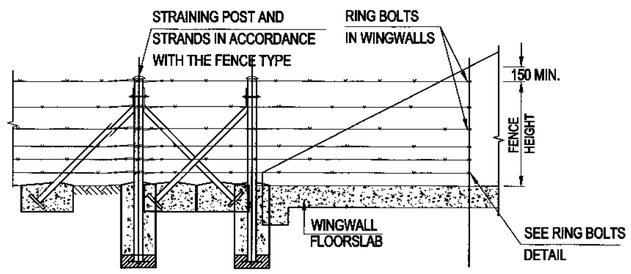
SECTION A - A

N.T.S.



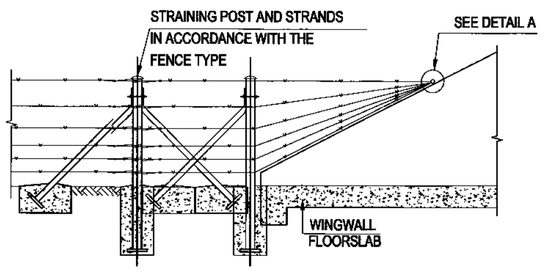
DETAIL AT WINGWALL : ALTERNATIVE 1 BRIDGE STRUCTURES WITH NO CONCRETE FLOOR

SCALE 1 : 50



DETAIL AT WINGWALL : ALTERNATIVE 2 RINGBOLTS IN WINGWALLS AT CULVERTS WITH CONCRETE FLOOR SLAB

SCALE 1 : 50



DETAIL AT WINGWALL : ALTERNATIVE 3 RINGBOLT PLACED IN TOP OF WINGWALL AT CULVERT WITH CONCRETE FLOOR SLAB

SCALE 1 : 50

NOTE :

6 - STRAND FENCE ONLY TO BE ERECTED IF APPROVED BY SANRAL

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No.	DATE	VERSION / REVISION	APPROVED
V1	SEPT 2014	ORIGINAL VERSION	

SANRAL TYPICAL DRAWINGS

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APPROVED
DATE: 2015/06/26

TYPICAL DRAWINGS - ROADWORKS

FENCING & RELATED ITEMS
FENCING DETAIL AT RIVER BRIDGES AND DRAINAGE CULVERTS

SANRAL DOC. No. (PDF)	1693296
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SANRAL DRAWING No.	TD-R-FG-1102-V1