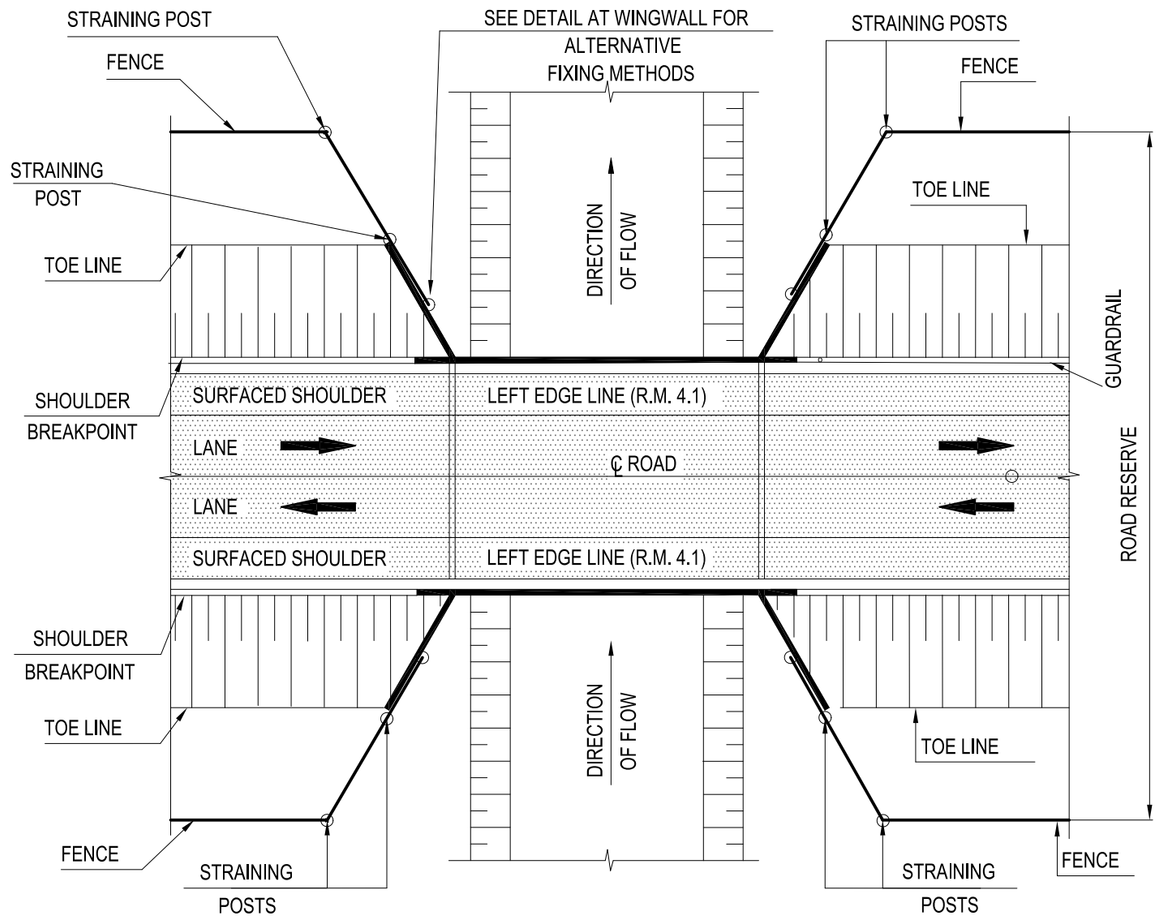
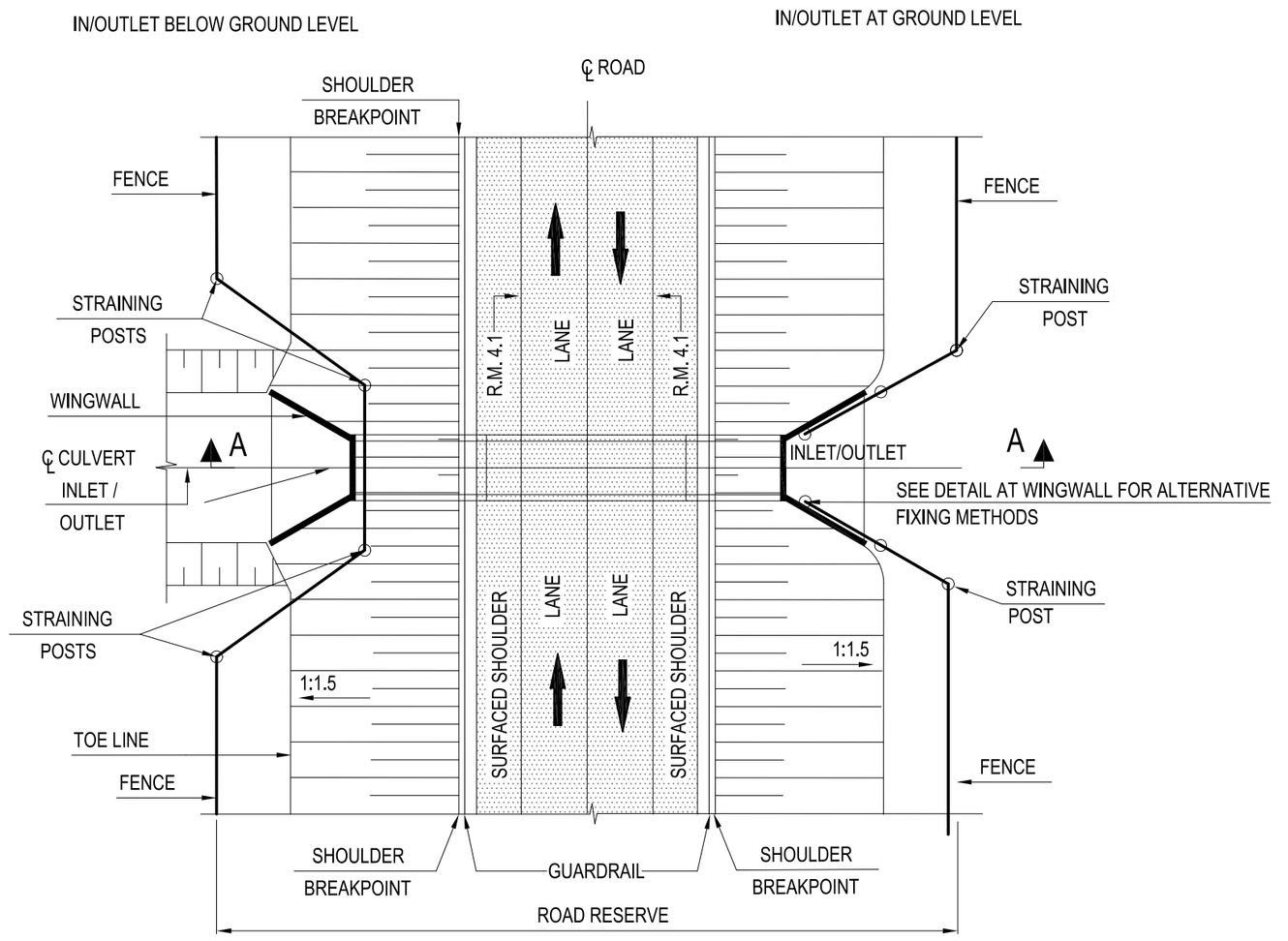


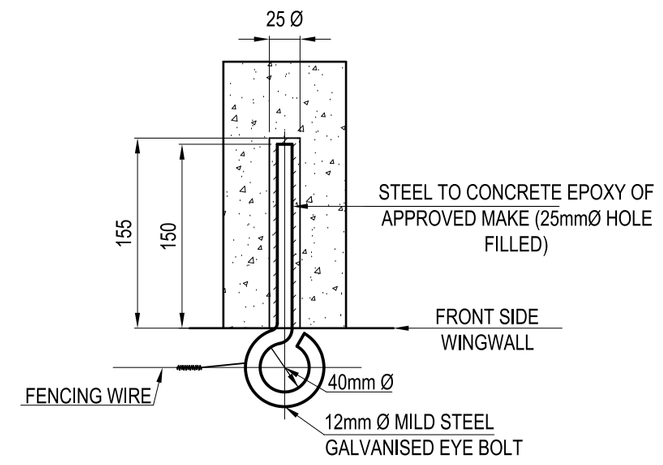
DETAIL AT RIVER BRIDGES PLAN

N.T.S.



PLAN : DETAIL AT CULVERTS AND CATTLE CREEPS

N.T.S.



DETAIL "A" RING BOLT DETAIL

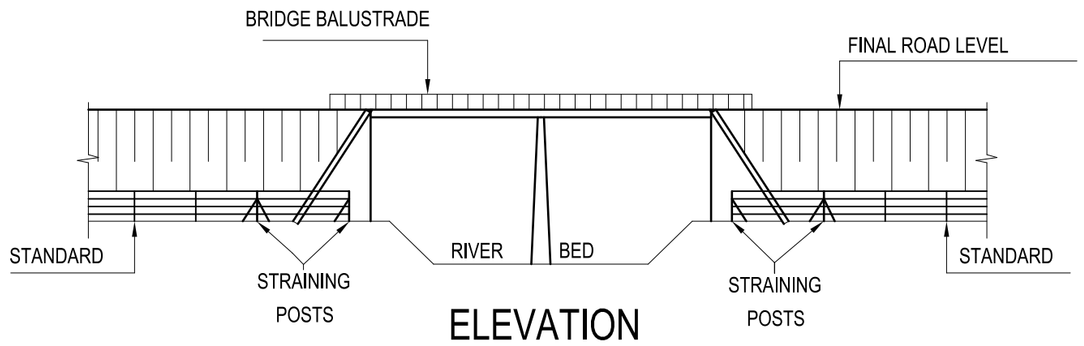
SCALE 1 : 5

NOTES ON RING BOLT INSTALLATION :

1. EPOXY PASTE TO BE PLACED AT THE BACK OF THE HOLE PRIOR TO INSERTION OF THE BOLT.

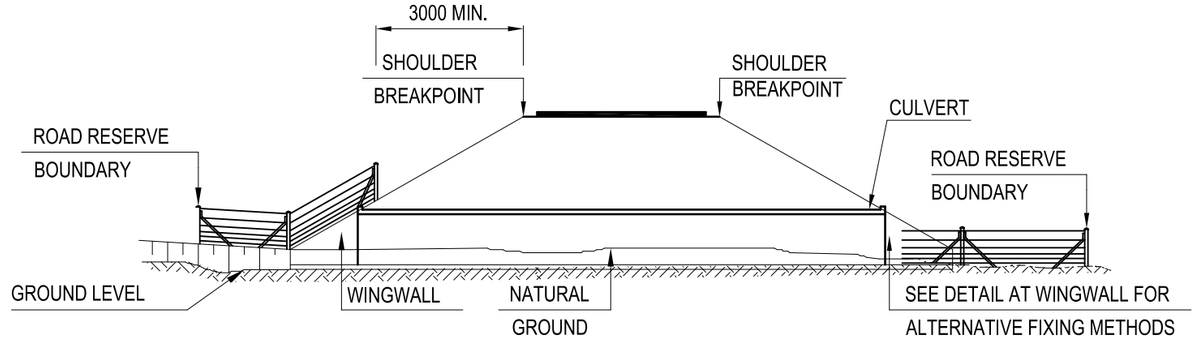
2. CAVITY AROUND THE BOLT MUST BE COMPLETELY FILLED WITH EPOXY ADHESIVE.

3. THE SWIRLING OF A THICK LAYER OF EPOXY ADHESIVE AROUND THE BOLT BEFORE PLACING IT IN THE HOLE SHALL NOT BE PERMITTED.



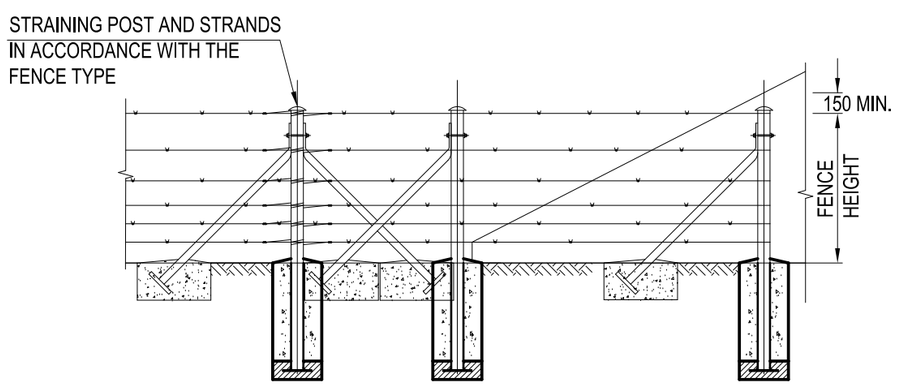
ELEVATION

N.T.S.



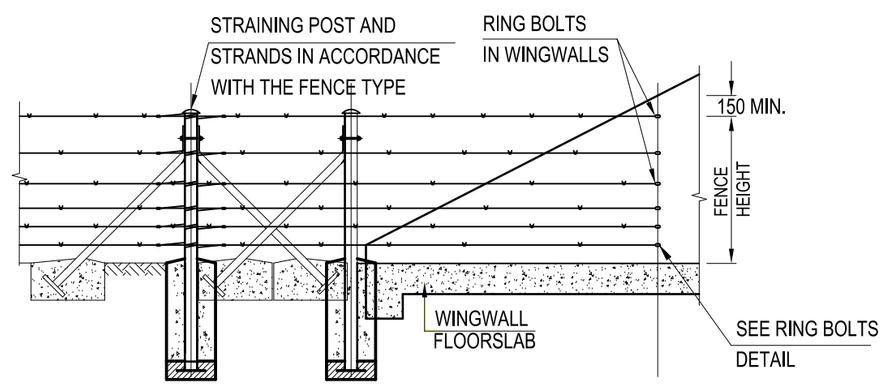
SECTION A - A

N.T.S.



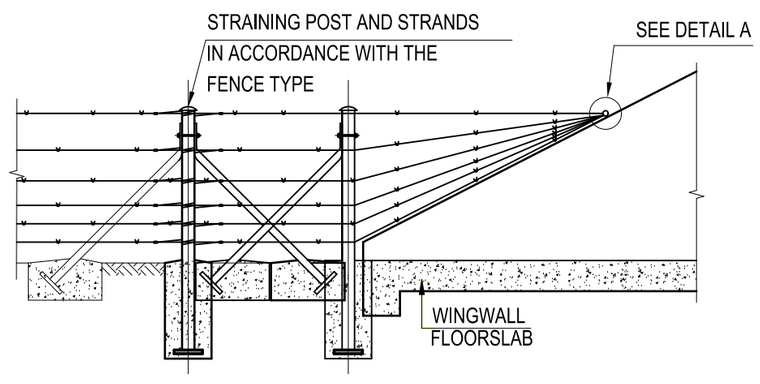
DETAIL AT WINGWALL : ALTERNATIVE 1 BRIDGE STRUCTURES WITH NO CONCRETE FLOOR

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

FOR TENDER PURPOSES ONLY

No.	DATE	REVISION	CONSULT. ENG.
V1	SEP 2023	ORIGINAL VERSION	

CONSTRUCTION RECORD (AS BUILT)
WORKS CONTRACT ENGINEER
Name:
Prof. Reg. No.:
Date:
SANRAL PROJECT MANAGER
Name:
Prof. Reg. No.:
Date:

DESIGNED BY
NAME
Prof. Reg. No.
CHECKED BY
NAME
Prof. Reg. No.
DRAWN BY
NAME

CONSULTANT APPROVAL
Name :
Prof. Reg. No. :
Date :

HEAD OFFICE
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Val de Grace
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South Africa
Tel: +27 (0) 12 844 8000

SANRAL
SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

SOUTHERN REGION
20 Shoreward Drive
Baywest
Port Elizabeth
6025

P.O.Box 24210
Baywest
Port Elizabeth
6034
Tel: (041) 398 3200

ACCEPTANCE

THIS ACCEPTANCE IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OR LIABILITY OF ANY KIND FROM WHATSOEVER CAUSE OR HOWEVER ARISING

for CEO: SA NATIONAL ROADS AGENCY LTD.
Date:

PROJECT DESCRIPTION

THE SPECIAL MAINTENANCE ON NATIONAL ROUTE 62 SECTION 6 BETWEEN LOUTERWATER (KM 58.60) AND JOUBERTINA (KM 79.00)

DRAWING NAME

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

SCALE : N.T.S. SHEET 1 OF 1

PROJECT NUMBER	SANRAL R.062-060-2021/2F	
DRAWING LOCATION DATA	START	END
ROUTE	R62	R62
SECTION	6	6
DRAWING km DISTANCE	58.60	79.00
DRAWING TYPE	FENCING	
BRIDGE/STRUCTURE No.		
CONSULTANT DRAWING No.	ER 2203/151	VER.
SANRAL DOC No.	-	V1