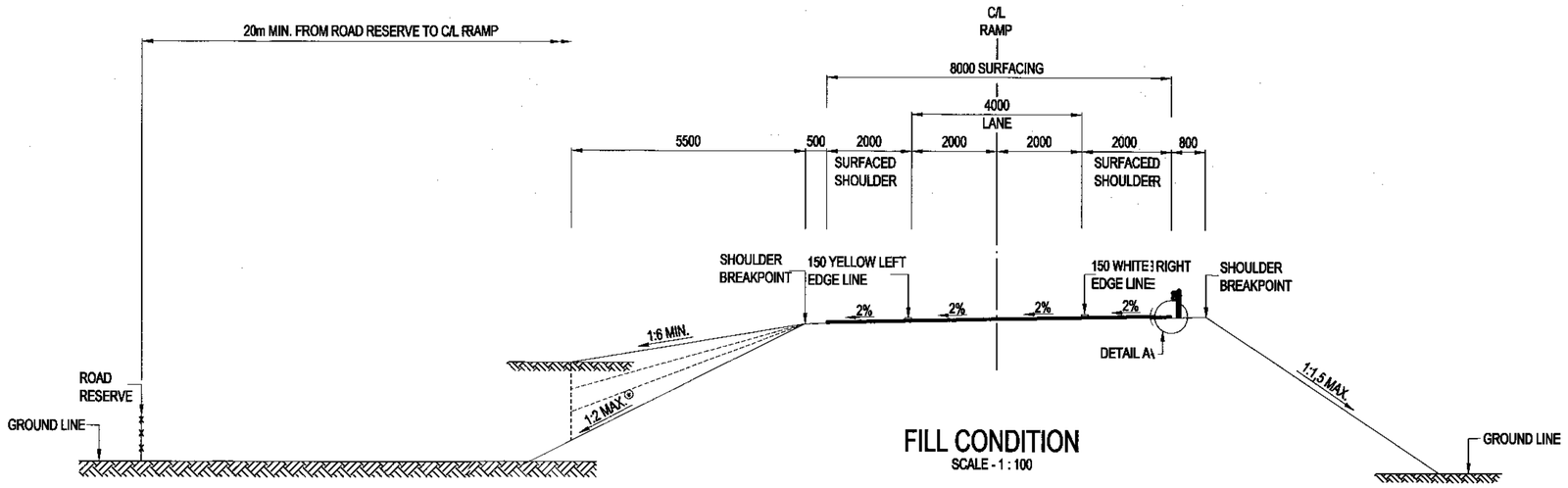
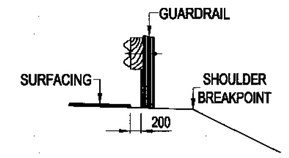


FILL CONDITION
SCALE - 1 : 100

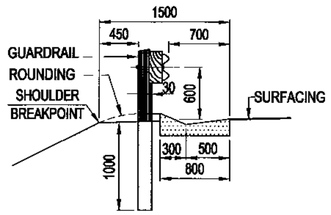
LOW FILL

FILL > 3000

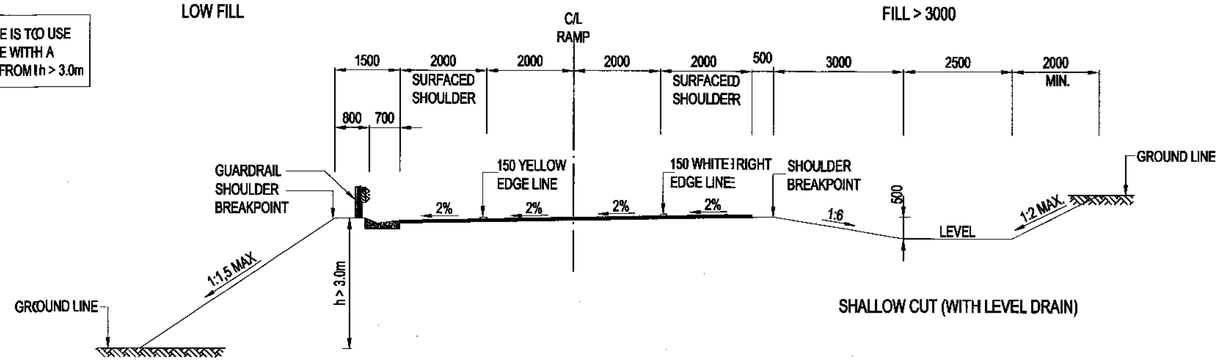
ⓐ ALTERNATIVE IS TO USE A 1:1.5 SLOPE WITH A GUARDRAIL FROM h > 3.0m



DETAIL A
SCALE - 1 : 50



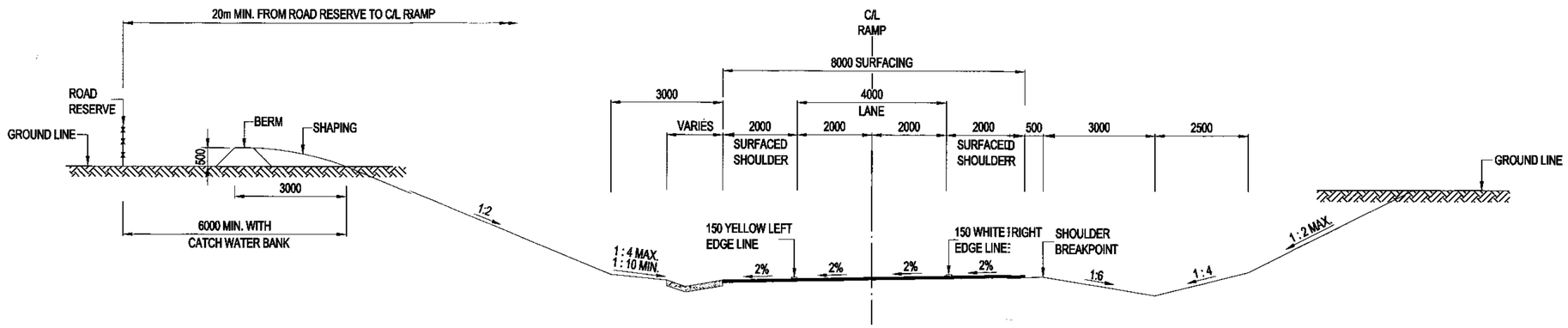
POSITION OF TYPE 'A'
CONCRETE SIDE DRAIN
SCALE - 1 : 50



HIGH FILL WITH GUARDRAIL

SHALLOW CUT (WITH LEVEL DRAIN)

FILL CONDITION WITH SIDE DRAIN AND SHALLOW CUT
SCALE - 1 : 100



DEEP CUT

SHALLOW CUT (WITH "V" DRAIN)

CUT CONDITION
SCALE - 1 : 100

FOR LATEST VERSION CHECK www.nra.co.za

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

SANRAL TYPICAL DRAWINGS

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APPROVED
DATE: 2015/06/26

TYPICAL DRAWINGS - ROADWORKS

TYPICAL CROSS-SECTIONS
RAMPS
SINGLE LANE

SANRAL DOC. No. (PDF): 1693226
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SANRAL DRAWING No.: TD-R-XS-1100-V1