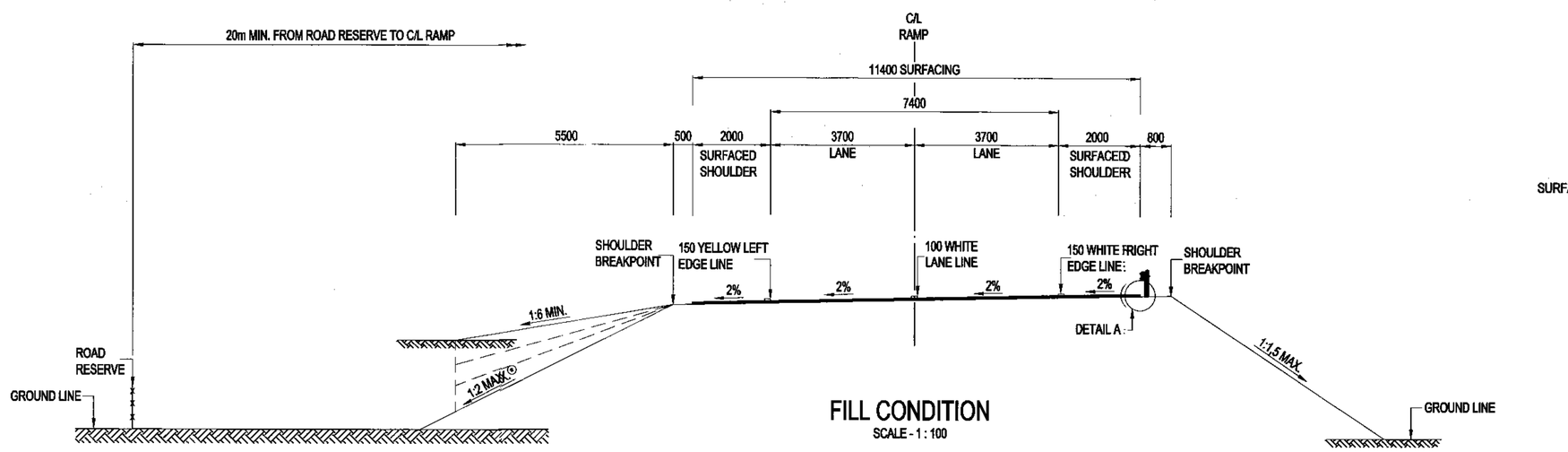
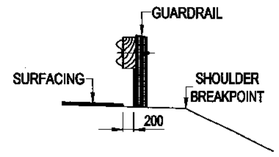


FILL CONDITION
SCALE - 1 : 100

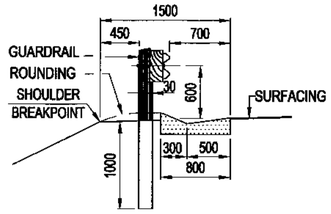


DETAIL A
SCALE - 1 : 50

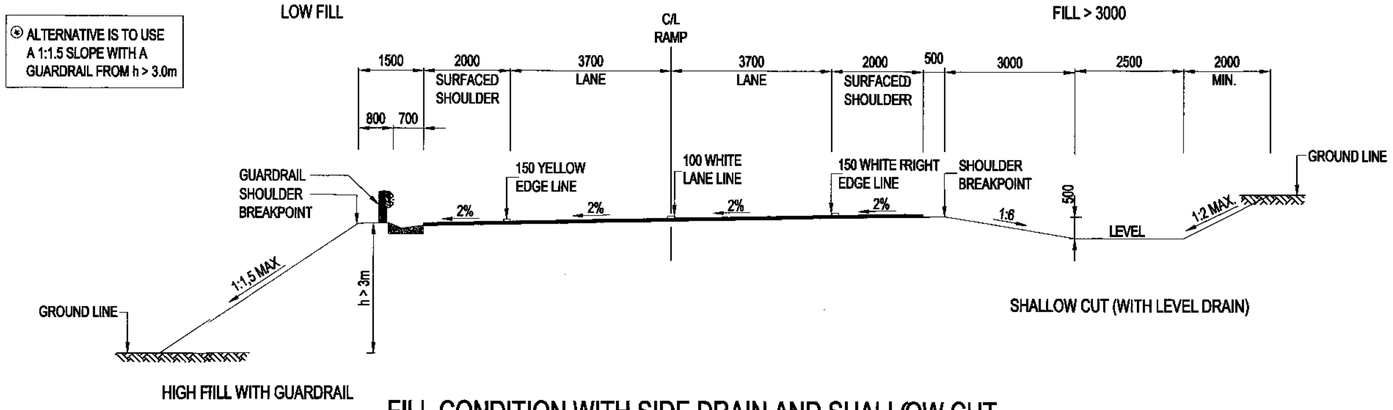
LOW FILL

FILL > 3000

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



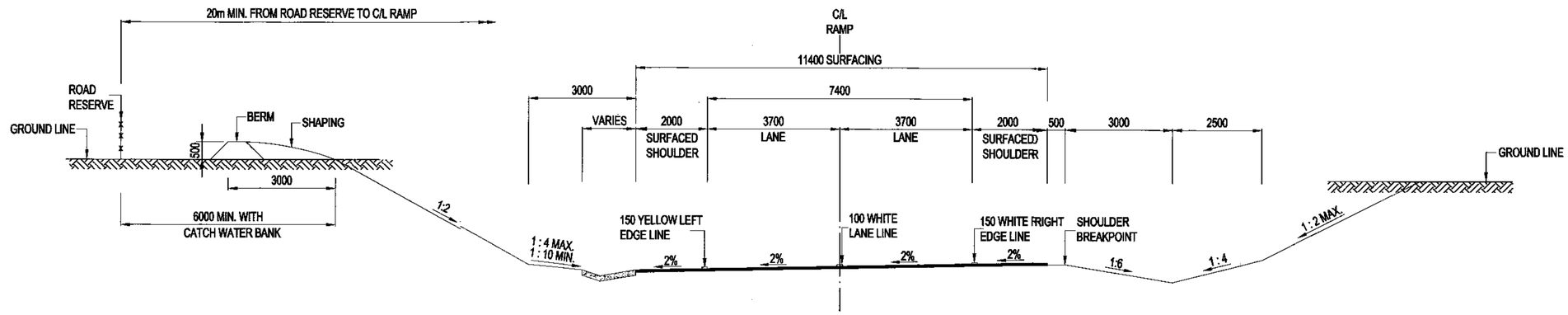
POSITION OF TYPE 'A' CONCRETE SIDE DRAIN
SCALE - 1 : 50



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
V1	SEPT 2014	ORIGINAL VERSION	

SANRAL TYPICAL DRAWINGS

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THE SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
Reg. No.1998/009854/06

HEAD OFFICE
48 Tambotie Avenue
Val de Grace
Pretoria
0184

PO Box 415
Pretoria 0001
South Africa

Tel: (012) 844 8000

APPROVED
DATE: 2015/06/26

TYPICAL DRAWINGS - ROADWORKS

TYPICAL CROSS-SECTIONS
RAMPS
MULTIPLE LANE AND DIRECTIONAL

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