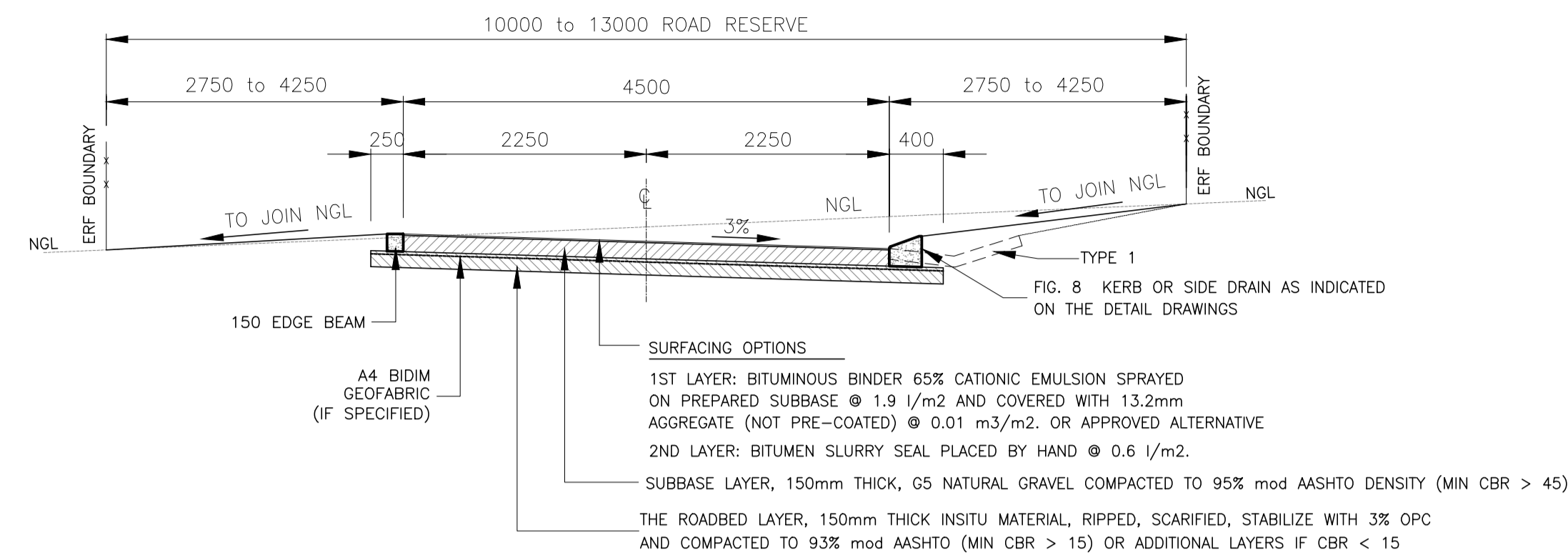
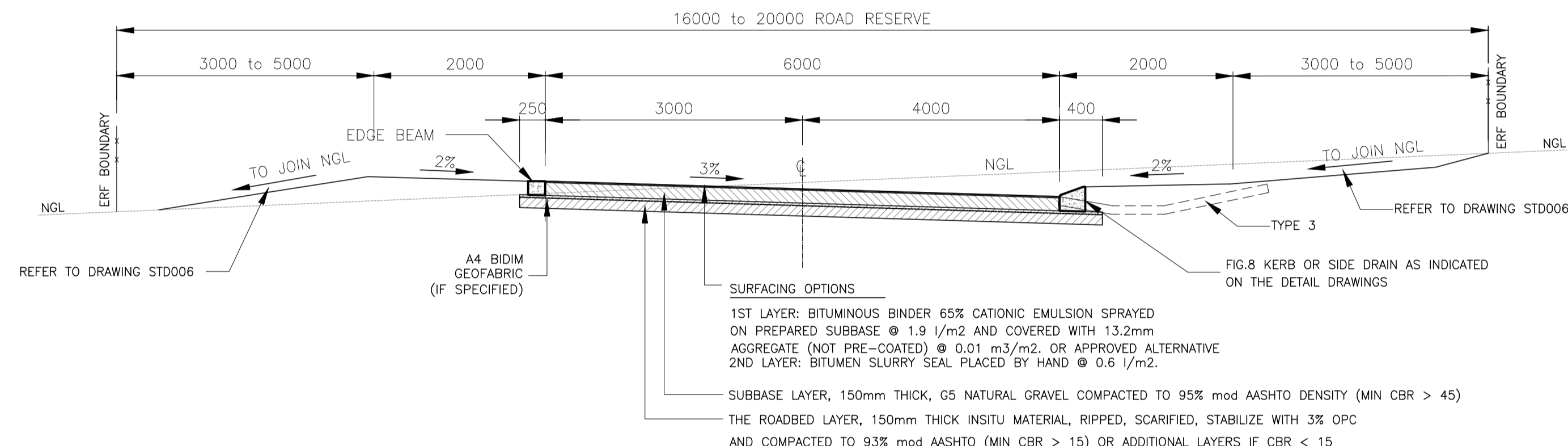


NOTES AND SPECIFICATIONS

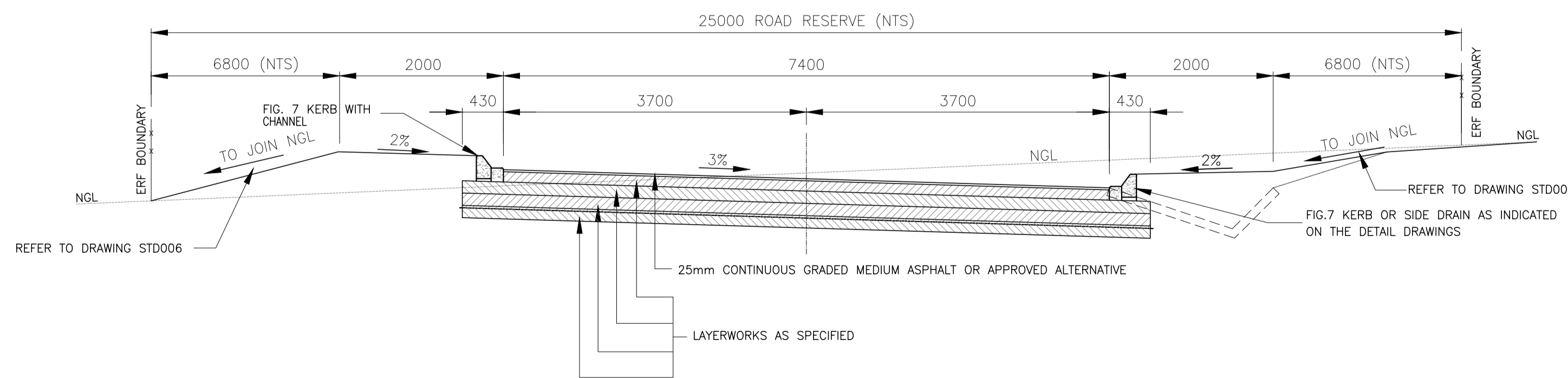
1. **ROADS**
 - 1.1 MINIMUM LONGITUDINAL SLOPE IS 0,67%.
 - 1.2 MAXIMUM LONGITUDINAL SLOPE:
CLASS 4 - 10% FOR A MAXIMUM LENGTH OF 100m
CLASS 5a - 12,5% FOR A MAXIMUM LENGTH OF 70m
CLASS 5(b-d) - 20 % FOR A MAXIMUM LENGTH OF 50m
 - 1.3 THIS DRAWING MUST BE READ WITH DRAWING STD006 AND STD007.
 - 1.4 ALSO REFER TO SECTION 101,104, 203, 503, 601, 604 TO 607 OF THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS,1991.



TYPICAL ROAD SECTION AND LAYER WORKS - 4.5m ROADS (CLASS 5b - f)
SCALE 1:50



TYPICAL ROAD SECTION AND LAYER WORKS- 6.0m ROADS (CLASS 5a)
SCALE 1:50



TYPICAL ROAD SECTION AND LAYER WORKS - 7.4m ROADS (CLASS 4)
SCALE 1:50

AMENDMENTS				
NR.	DATE	APPROVED	DESCRIPTION	PAR.

DESIGNED P. A. ODENDAAL Pr.Eng.	DRAWN S. AUDIE
DESIGN CHECKED BY L. G. JOHANNES Pr. Eng.	INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT D.J. CHALMERS

PROJECT STATUS			
<input type="radio"/> CONCEPT DRAWING	<input type="radio"/> TENDER DRAWING	<input type="radio"/> APPROVED FOR CONTRACT DRAWING	<input type="radio"/> AS BUILT DRAWING

PROJECT ENGINEER (CONSULTANT)	INITIALS AND SURNAME	SIGNATURE AND Pr. No.	DATE
INSPECTOR OF WORKS (CITY OF TSHWANE)	INITIALS AND SURNAME	SIGNATURE AND Pr. No.	DATE

CONSULTANT DETAIL

CITY OF TSHWANE
ROADS AND TRANSPORT DEPARTMENT

Mr. P. Lobotse
STRATEGIC EXECUTIVE DIRECTOR
P.O. BOX 1409
PRETORIA 0001

Ms. L. V. Kgakikwe-Phu
EXECUTIVE DIRECTOR
P.O. BOX 1409
PRETORIA 0001

DRAWING APPROVED BY EXECUTIVE DIRECTOR
Ms. L. V. Kgakikwe-Phu

TYPICAL STANDARD DETAILS

ROAD AND SURFACE DRAINAGE DETAILS FOR LOW-COST DEVELOPMENT ROAD CROSS-SECTION AND TYPICAL LAYER WORKS

ROADS AND STORMWATER For Internal Approval	
DIRECTOR: INFRASTRUCTURE PROVISION	SIGNATURE _____ DATE _____
DIRECTOR: INFRASTRUCTURE CONSTRUCTION PROJECT MANAGEMENT	SIGNATURE _____ DATE _____
DIRECTOR: INFRASTRUCTURE ASSET MANAGEMENT	SIGNATURE _____ DATE _____
DIRECTOR: TRANSPORT INFRASTRUCTURE PLANNING	SIGNATURE _____ DATE _____
DIRECTOR: INTELLIGENT TRANSPORT SYSTEMS AND TRAFFIC ENGINEERING	SIGNATURE _____ DATE _____
DIRECTOR: INFRASTRUCTURE MAINTENANCE MANAGEMENT (IMM)	SIGNATURE _____ DATE _____

CONTRACT No.:	PROJECT No.:
DATE: MAY 2013	SCALE: AS SHOWN
DRAWING NO: STD017	SHEET NO: 1 OF 4

