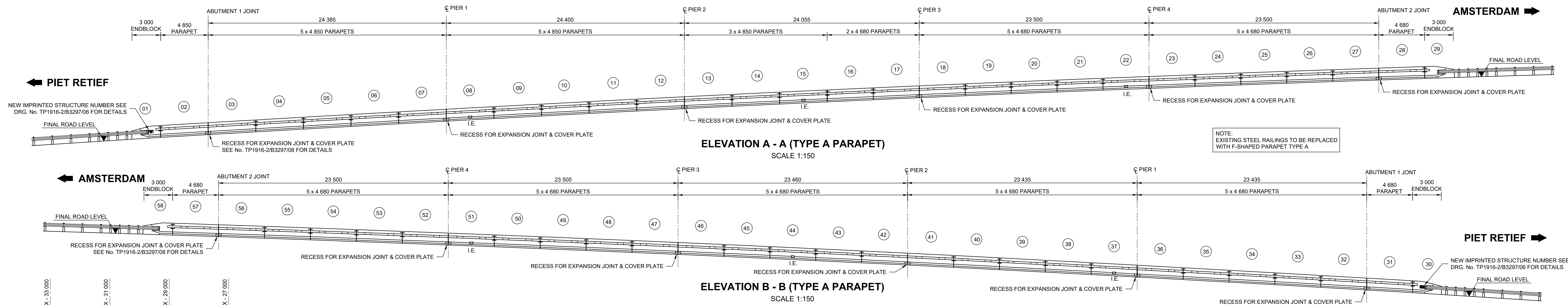
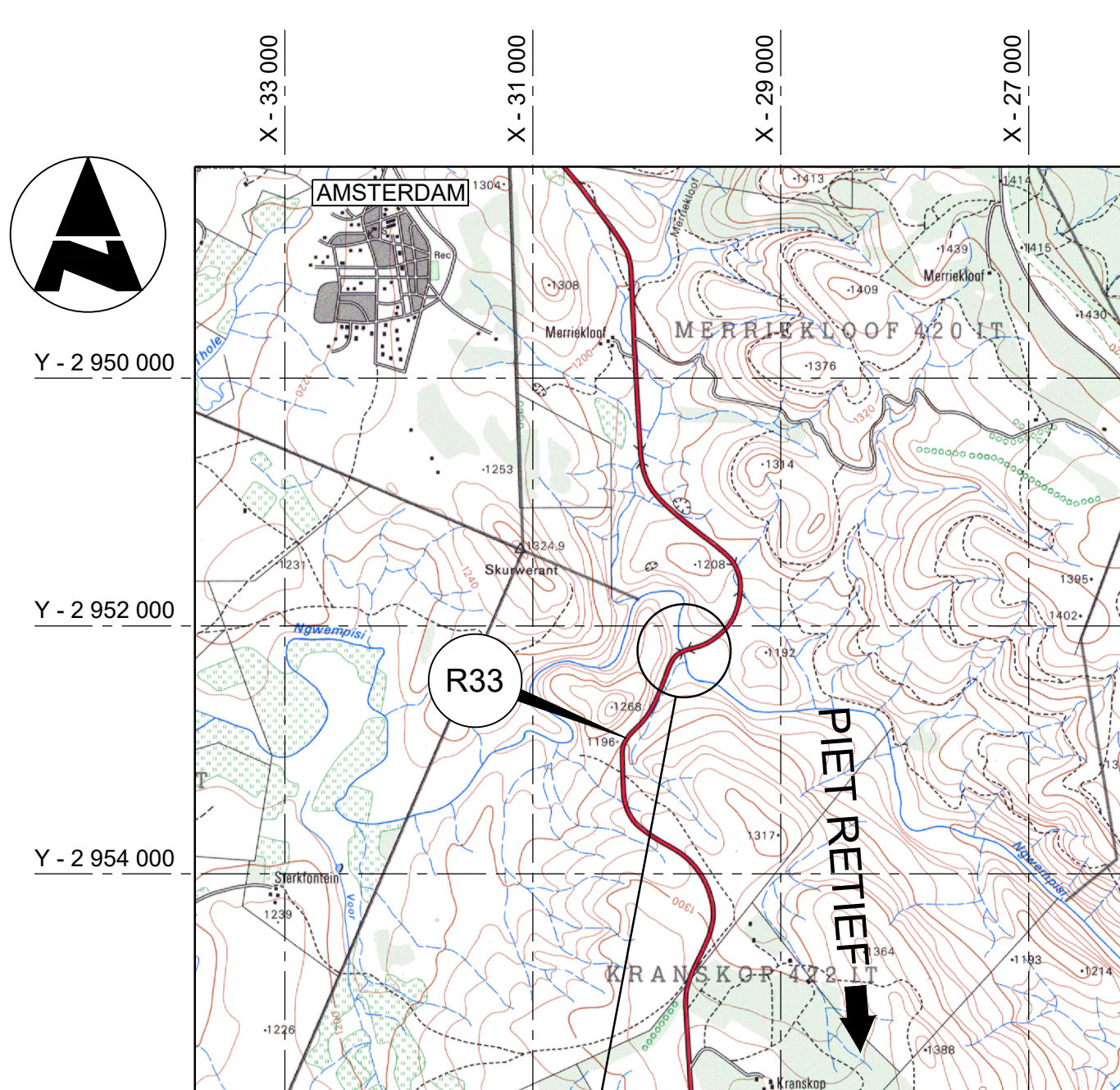


SITE PLAN
SCALE 1:150

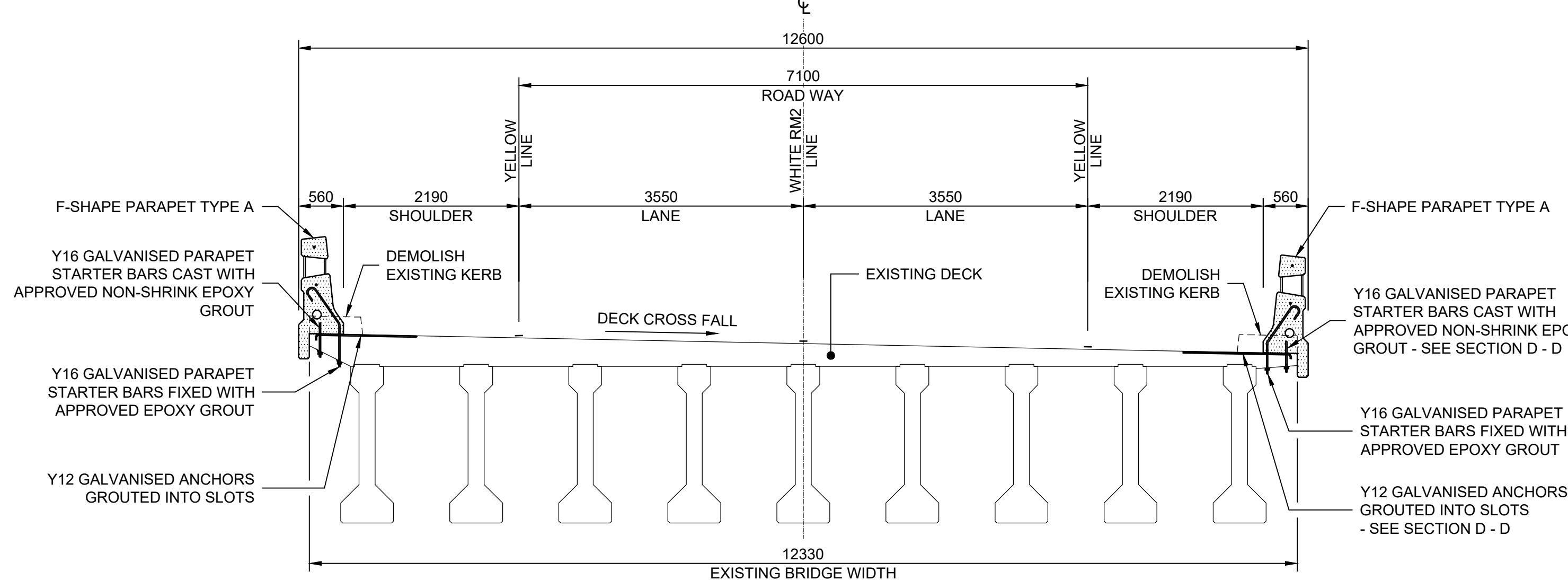


ELEVATION A - A (TYPE A PARAPET)
SCALE 1:150

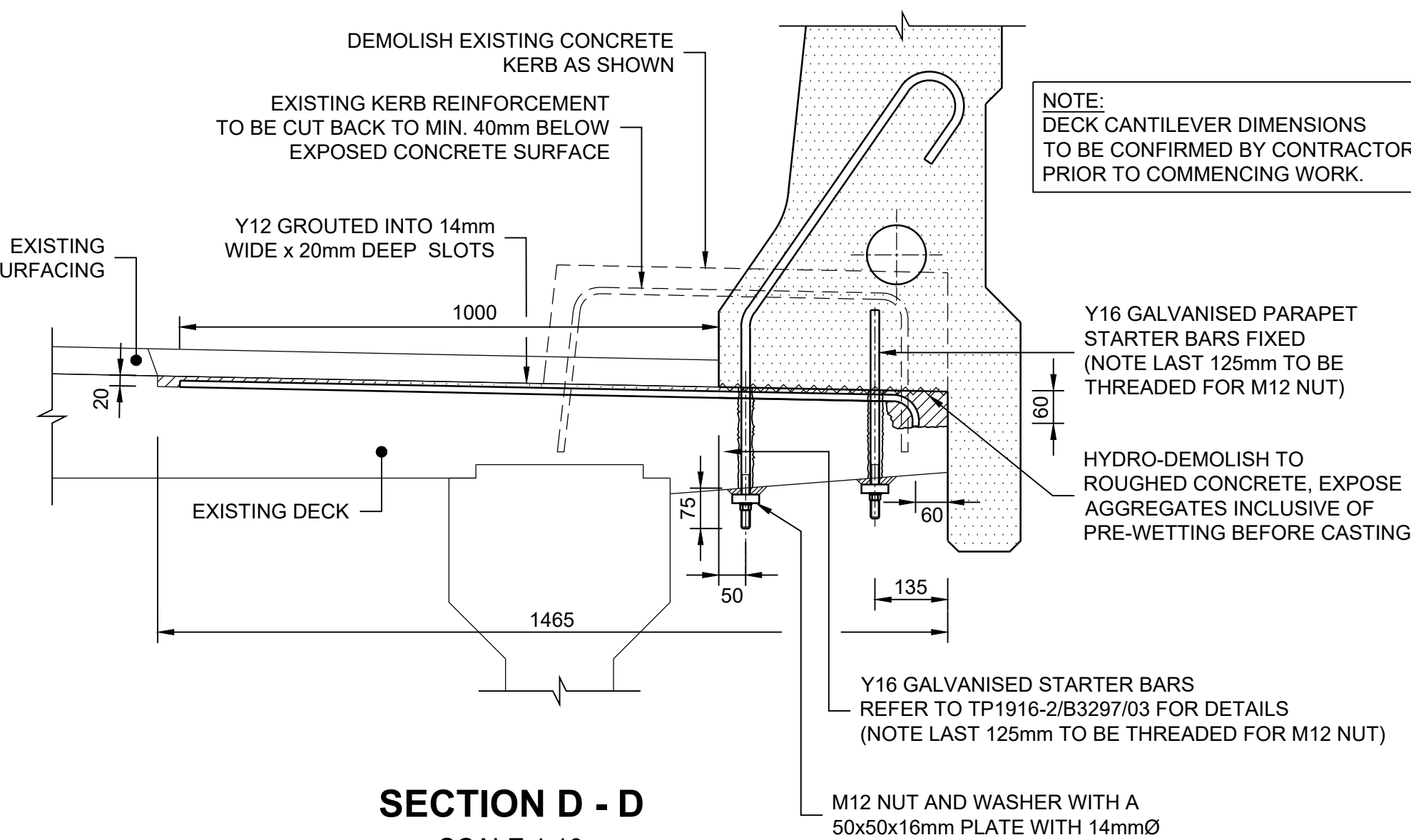
ELEVATION B - B (TYPE A PARAPET)
SCALE 1:150



LOCALITY PLAN
SCALE 1:50 000



SECTION C - C
NEW LANE CONFIGURATION
SCALE 1:50



SECTION D - D
SCALE 1:10

- CONSTRUCTION SEQUENCE NOTES**
- ALL DIMENSIONS, LEVELS AND COORDINATES ARE TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
- THE EMERGENCY REPAIR OF BRIDGE B3297 CONSISTS OF THE FOLLOWING:
1. CONDUCT BRIDGE STRUCTURAL AND BRIDGE SITE SURVEY IN ACCORDANCE WITH TMH 11.
 2. ACCOMMODATE TRAFFIC IN HALF WIDTHS. (TO WORK ON NORTHERN SIDE)
 3. REMOVE EXISTING STEEL BRIDGE RAILINGS.
 4. REMOVE BRIDGE DECK SURFACING.
 5. DEMOLISH EXISTING SIDE WALK.
 6. CUT SLOTS FOR ADDITIONAL DECK REINFORCEMENT.
 7. INSTALL ADDITIONAL REINFORCEMENT IN SLOTS USING AN APPROVED EPOXY GROUT.
 8. DRILL AND GROUT ANCHORS FOR PARAPET.
 9. CONSTRUCT SUPPORT WALL AND NEW F-SHAPE REINFORCED CONCRETE PARAPETS.
 10. CONSTRUCT ENDBLOCK FOUNDATIONS.
 11. CONSTRUCT ENDBLOCKS WITH IMPRINTED BRIDGE NUMBERS.
 12. DISMANTLE AND RECONSTRUCT GUARDRAIL AT HIGHER LEVEL.
 13. CONSTRUCT NEW DRAINAGE DOWN CHUTES.
 14. CHANGE ACCOMMODATIONS OF TRAFFIC AND REPEAT FOR SOUTHERN SIDE.
 15. RE-SURFACE BRIDGE DECK.
 16. INSTALL BRIDGE EXPANSION JOINTS (CLAW TYPE) IN HALF WIDTHS (SEAL TO BE CONTINUOUS ACROSS FULL JOINT).

		CONSTRUCTION RECORD (AS-BUILT)		 CIVIL AND STRUCTURAL ENGINEERS (Pty) LTD		 KGAREBANA CIVIL & STRUCTURAL ENGINEERS (Pty) LTD		DESIGNED BY		CONSULTANT APPROVAL		HEAD OFFICE		 SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD		NORTHERN REGION		ACCEPTANCE		PROJECT NUMBER		DRAWING LOCATION DATA		START		END	
		WORKS CONTRACT ENGINEER						NAME		NAME		48 Tambotie Avenue		38 Ida Street		THIS ACCEPTANCE IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OR LIABILITY OF ANY KIND FROM WHATEVER CAUSE OR HOWEVER ARISING		MSBBR: REPAIRS TO BRIDGE PARAPETS; R40 NELSPRUIT B0064 AND R33 PIET RETIEF B3297		ROUTE		R033		R033			
		Name		P. O. Box 72727		SNAVIA BUILDING		Prof. Reg. No.		Prof. Reg. No.		Val de Grace		Menlo Park				EMERGENCY REPAIR FOR BRIDGE B3297 ON R033/06N AT km 27.5		SECTION		06N		06N			
		Date		0040		285 ALBERTUS STR. LA MONTAGNE		CHECKED BY		Date		Pretoria		Pretoria				PARAPET LAYOUT		DRAWING km DISTANCE		27.5		27.5			
		SANRAL PROJECT MANAGER						NAME		NAME		Private Bag X17		Private Bag X17				BRIDGE/STRUCTURE No.		B3297							
		Name		Tel: 012-842 0000				Prof. Reg. No.		Prof. Reg. No.		Lynnwood Ridge		Lynnwood Ridge				CONSULTANT DRAWING No.		TP1916-2/B3297/01		VER		VER			
		Date		Fax: 012-808 4429				DRAWN BY		Date		0040		0040				SANRAL DOCUMENT #		18972146							
		CONSULT. ENG.		e-mail : pta@sna.co.za				NAME		NAME		Tel: (012) 844 8000		Tel: (012) 426 6200				SCALE : AS SHOWN		SHEET 01 OF 10							