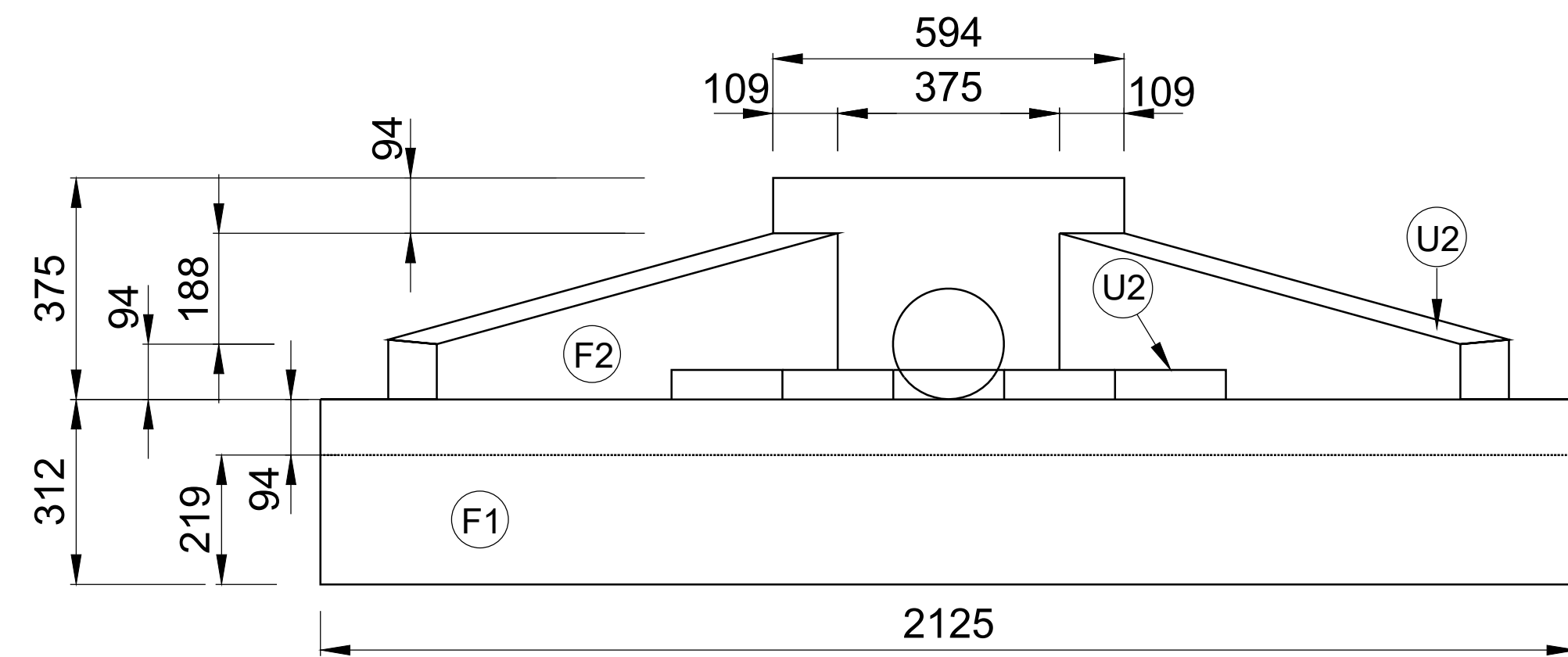
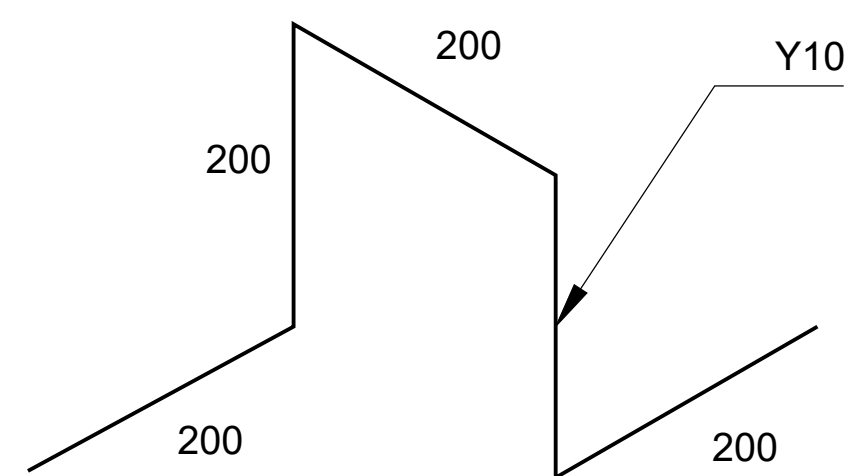


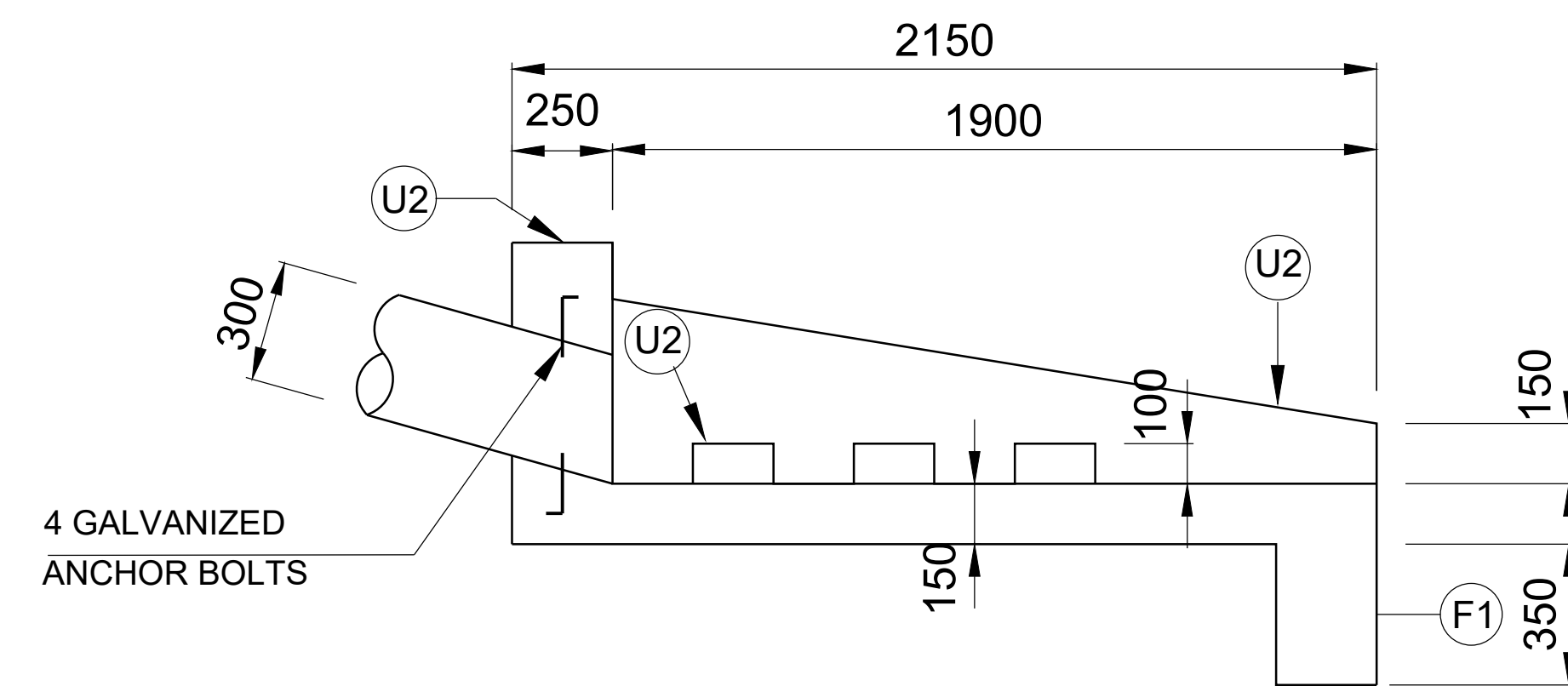
PLAN OF ENERGY BREAKER  
N.T.S



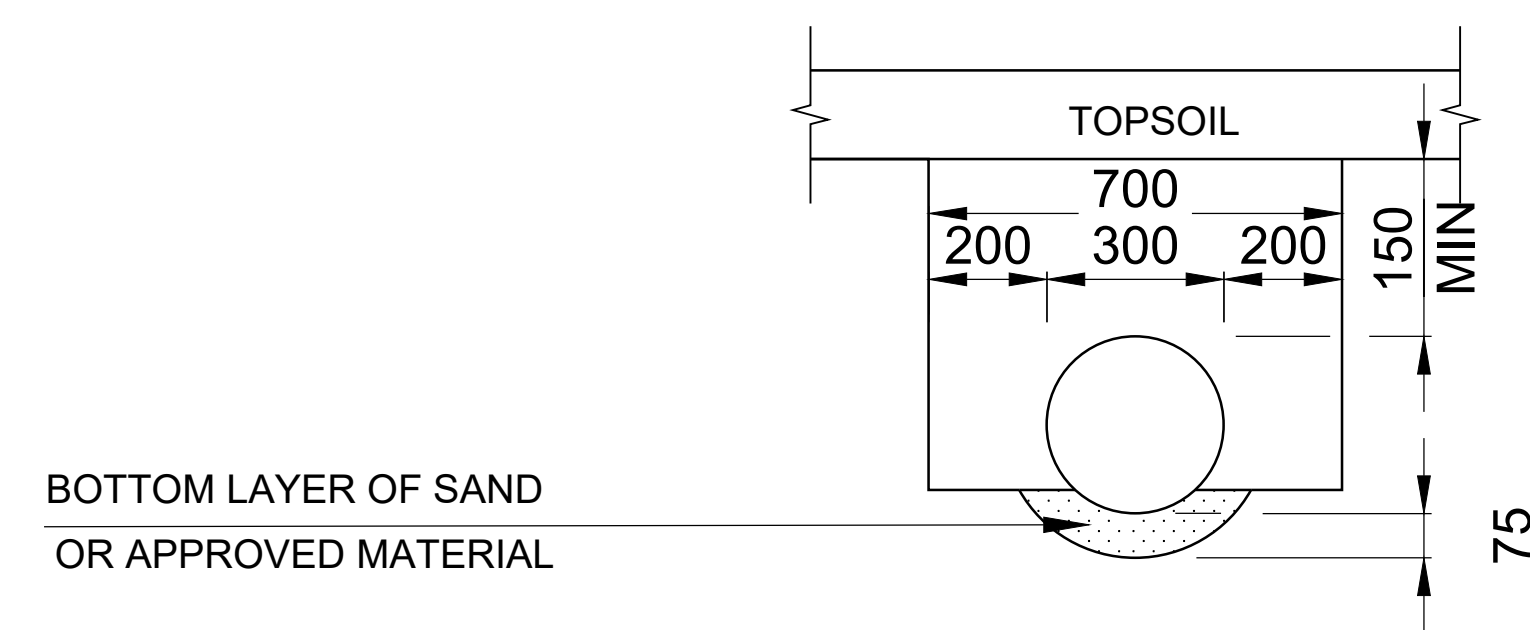
FRONT ELEVATION OF ENERGY BREAKER  
N.T.S



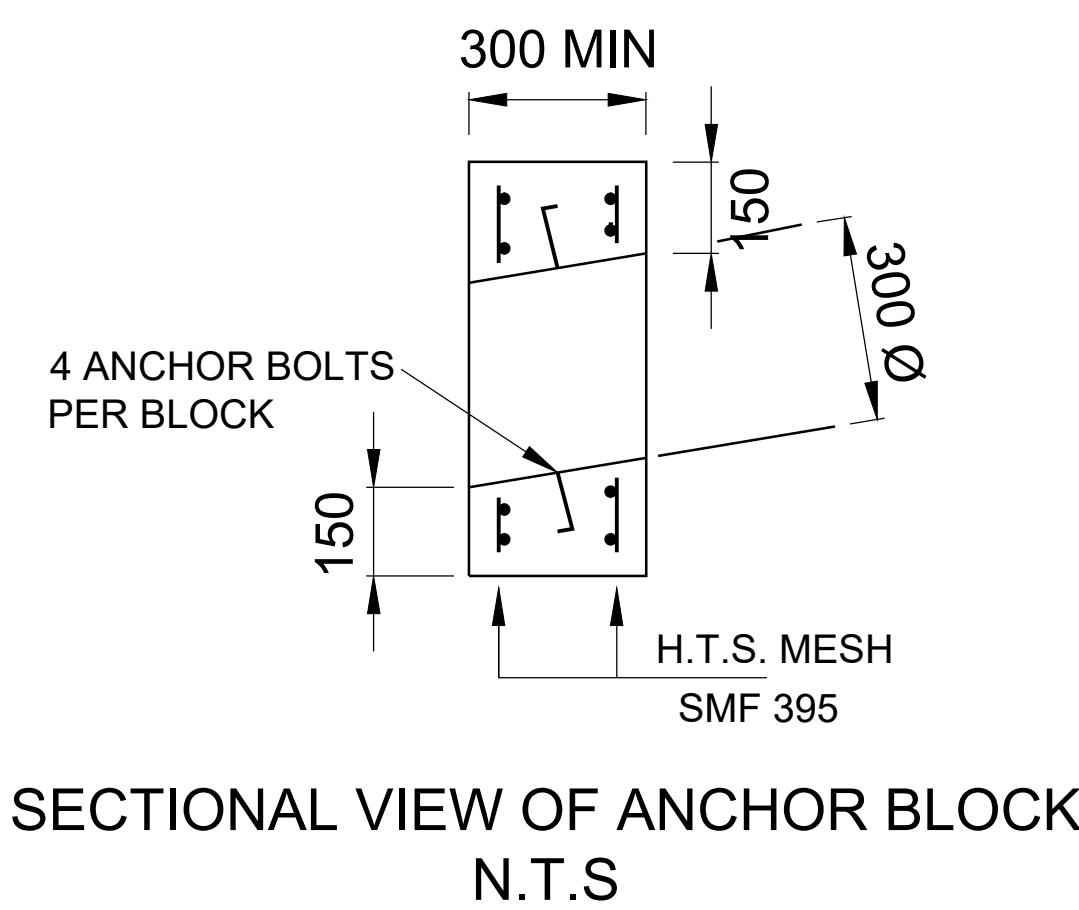
FIXING BAR  
(2 PER BLOCK)  
N.T.S



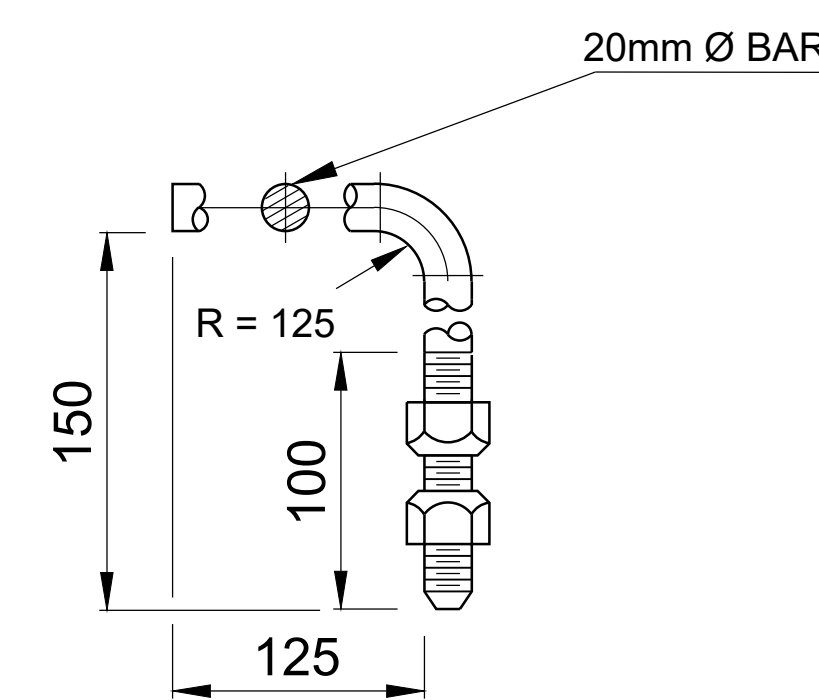
SECTION A-A  
N.T.S



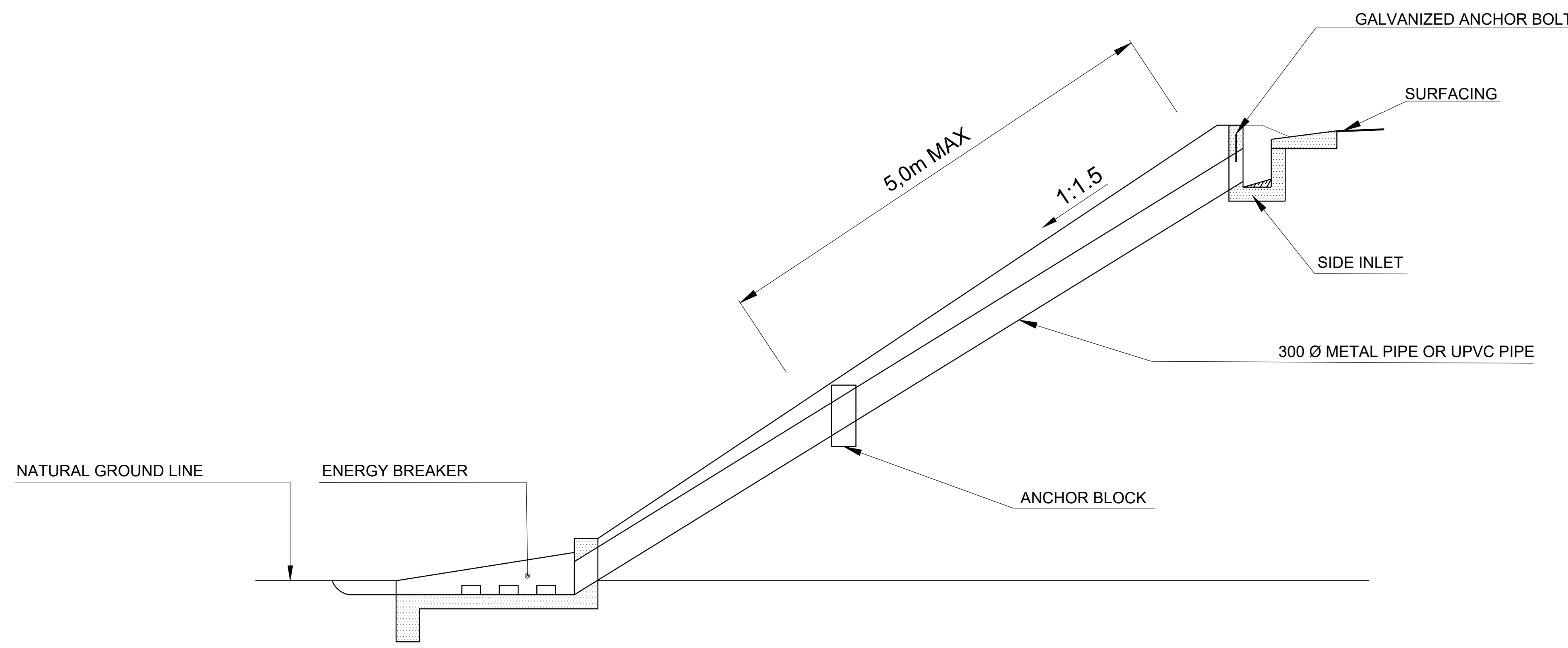
BEDDING FOR DOWN PIPES  
N.T.S



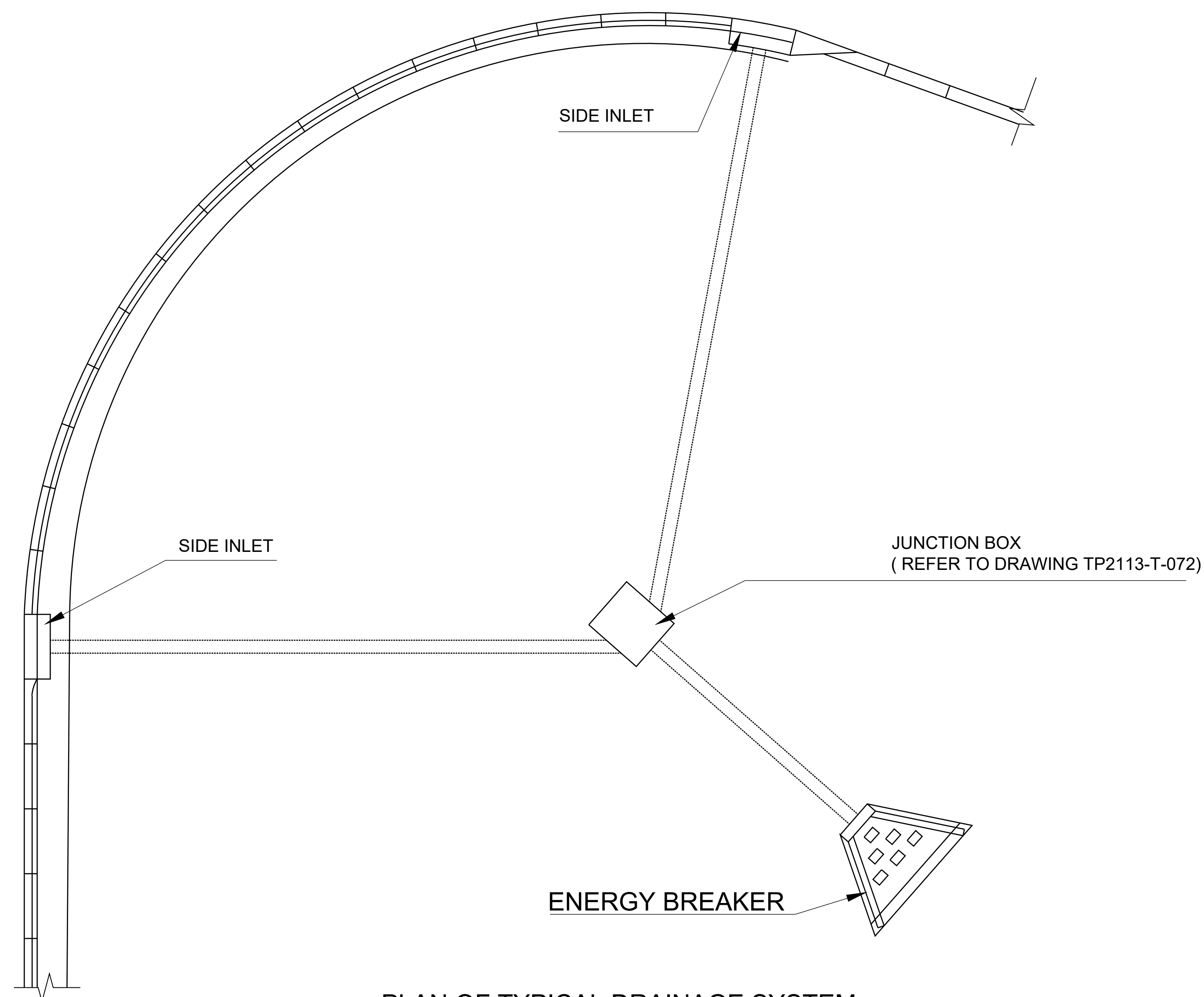
SECTIONAL VIEW OF ANCHOR BLOCK  
N.T.S



GALVANIZED ANCHOR BLOCK  
N.T.S



LONGITUDINAL SECTION OF DOWN PIPE AND ENERGY BREAKER  
N.T.S




PLAN OF TYPICAL DRAINAGE SYSTEM  
N.T.S

- NOTES FOR ANCHOR BLOCKS:
- "ARMCO" PIPE LENGTH = L  
FOR L = 0m 10m: 1 ANCHOR BLOCK  
FOR L = 10m 15m: 2 ANCHOR BLOCKS  
FOR L = 15m 20m: 3 ANCHOR BLOCKS  
FOR L = 20m 30m: 4 ANCHOR BLOCKS
  - ANCHOR BLOCKS MUST BE SPACED AT EQUAL DISTANCES.
  - ANCHOR BLOCKS TO BE CAST AGAINST NEAT EXCAVATION (NO FORMWORK).

PROVIDE EROSION PROTECTION IF  
FLOW VELOCITY > 1.5 m/s (REFER TO  
DWG. NO. TD-D-ER-002)

FOR TENDER  
(FOR TENDER PURPOSES ONLY)

				CONSTRUCTION RECORD (AS-BUILT)		WORKS CONTRACT ENGINEER				DESIGNED BY		CONSULTANT APPROVAL		HEAD OFFICE				EASTERN REGION		ACCEPTANCE		PROJECT DESCRIPTION		PROJECT NUMBER		N.002-300-2020/1			
				Name :		Date :				Name :		Date :		48 Tambotie Avenue Val de Grace Pretoria 0184				58 Van Eck Place Mkondeni Pietermaritzburg 3201		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		THE CONSTRUCTION OF PAVEMENT AND SETTLEMENT REPAIRS ON NATIONAL ROUTE 2, SECTION 30 FROM BUSHVELD RETREAT FARM (km47.0) TO HLUHLUWE INTERCHANGE (km 55.0)		DRAWING LOCATION DATA		START		END	
				Name :		Date :				Name :		Date :		PO Box 415 Pretoria 0001 South Africa		PO Box 100410 Scottsville 3209		PO Box 100410 Scottsville 3209		DOWN PIPES FOR SIDE INLETS		ROAD SURFACE DRAINAGE INLET STRUCTURES DOWN PIPES FOR SIDE INLETS		DRAWING km DISTANCE		SECTION 30		SECTION 30	
				Name :		Date :				Name :		Date :		Tel: (012) 844 8000		Tel: (033) 392 8100		Tel: (033) 392 8100		for the SA NATIONAL ROADS AGENCY SOC. LTD.		BRIDGE/STRUCTURE No.		N/A		CONSULTANT DRAWING No.		TP2113-T-071	
				Name :		Date :				Name :		Date :		Tel: (012) 844 8000		Tel: (033) 392 8100		Tel: (033) 392 8100		for the SA NATIONAL ROADS AGENCY SOC. LTD.		BRIDGE/STRUCTURE No.		N/A		CONSULTANT DRAWING No.		TP2113-T-071	
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