

POSITION OF UTILITY DUCT WITH ROAD IN FILL

UTILITY MARKER

NATURAL GROUND

ROAD RESERVE BOUNDARY

500

500 MIN

UTILITY DUCT

DRAW WIRES

NOTE:
DRAW WIRES (TWO STRANDS OF 2.5 GALVANIZED STEEL WIRE) WEDGED IN POSITION WITH UTILITY MARKER.

DUCT END (CEMENT AND SAND PLUG TO PREVENT DIRT FROM ENTERING DUCTS) OR SUITABLE WOOD STOPPER

DETAIL A

N.T.S

The image contains three technical drawings of a utility marker, labeled ELEVATION, SIDE ELEVATION, and DETAIL REINFORCEMENT.

- ELEVATION:** Shows a cross-section of the marker. The total height is 1250. The base is 400 wide. The marker is 75 wide at the top and 150 wide at the base. It features a 75 x 100 PLT at the top and a 100 x 200 PLT below it. The marker is set in a 500 deep hole. The hole is backfilled with FINE GRANULAR MATERIAL. The ground line is indicated. Dimensions include 750, 160, 70, 85, and 400.
- SIDE ELEVATION:** Shows a side view of the marker. The total height is 1250. The marker is 50 wide at the top and 300 wide at the base. It features a 6mm DEEP RECESS and 6 Ø RIVET. The marker is set in a 500 deep hole. The hole is backfilled with FINE GRANULAR MATERIAL. The ground line is indicated. Dimensions include 50, 750, 500, and 300.
- DETAIL REINFORCEMENT:** Shows a detail of the reinforcement. The marker is 20 wide at the top and 20 wide at the base. It features REINFORCEMENT (R10) and CONCRETE CLASS C20/30-20. Dimensions include 20, 20, and 20.

100

75

37.5

37.5

15

15

NON-CORRODABLE METAL PLATE (6mm THICK)

7mm Ø HOLE FOR RIVET

100

50

50

20

200

20

NON-CORRODABLE METAL PLATE (6mm THICK)

FOR USE BY OWNER OF UTILITY

FOR USE BY ROAD AUTHORITY


7mm Ø HOLE FOR RIVET

DETAIL OF UTILITY PLATE

N.T.S

REFERENCE TO SYMBOLS ON UTILITY PLATE		
W	-	WATER PIPE
T	-	TELKOM
G	-	GAS
P	-	PETROLEUM PRODUCTS
E	-	ELECTRICITY
R	-	SEWER
S	-	STORMWATER
I	-	IRRIGATION WATER

INFORMATION ON PLATE
1. OWNER OF UTILITY
2. SIZE OF UTILITY e.g. PIPE DIA. etc.
3. DATE OF INSTALLATION/RELOCATION
4. DEPTH BELOW DATUM LEVEL

				CONSTRUCTION RECORD (AS-BUILT) WORKS CONTRACT ENGINEER				DESIGNED BY		CONSULTANT APPROVAL		HEAD OFFICE		 SANRAL <small>SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD</small> BUILDING SOUTH AFRICA THROUGH BETTER ROADS		EASTERN REGION		ACCEPTANCE		PROJECT DESCRIPTION		PROJECT NUMBER		N 002-300 2020/1							
				Name : Prof. Reg. No. : Date :				Name : Prof. Reg. No. : Date :				58 Van Eck Place Midrand Pietmaritzburg 3201		THIS AGREEMENT 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 HLHULUWU INTERCHANGE (km 55.0)		DRAWING LOCATION DATA		DRAWING DESCRIPTION		DRAWING km DISTANCE		DRAWING LOCATION DATA		START		END			
				Name : Prof. Reg. No. : Date :				Name : Prof. Reg. No. : Date :				PO Box 415 Pretoria 0001 South Africa		TYPICAL DETAIL OF UTILITY DUCTS AND SERVICE MARKERS		DRAWING DESCRIPTION		DRAWING km DISTANCE		DRAWING DTP		DRAWING DTP		SECTION 30		SECTION 30		SECTION 30		SECTION 30	
				Name : Prof. Reg. No. : Date :				Name : Prof. Reg. No. : Date :				PO Box 100410 Scottsville 3209		SHEET 1 OF 2		MISCELLANEOUS		MISCELLANEOUS		MISCELLANEOUS		MISCELLANEOUS		km 47.0		km 55.0		km 55.0		km 55.0	
				Name : Prof. Reg. No. : Date :				Name : Prof. Reg. No. : Date :				Tel: (033) 392 8100		for the SA NATIONAL ROADS AGENCY SOC. LTD.		SHEET 1 OF 2		SHEET 2 OF 5		SHEET 2 OF 5		SHEET 2 OF 5		BRIDGE/STRUCTURE No.		N/A		TP2113-T-131		VER 1	
				Name : Prof. Reg. No. : Date :				Name : Prof. Reg. No. : Date :				Tel: (012) 844 8000				SANRAL DOCUMENT #															
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