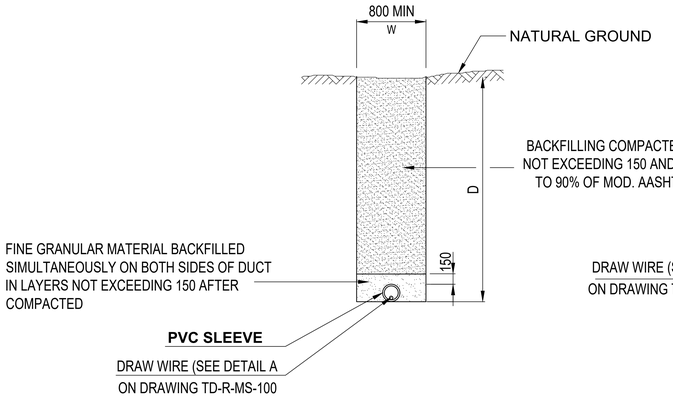
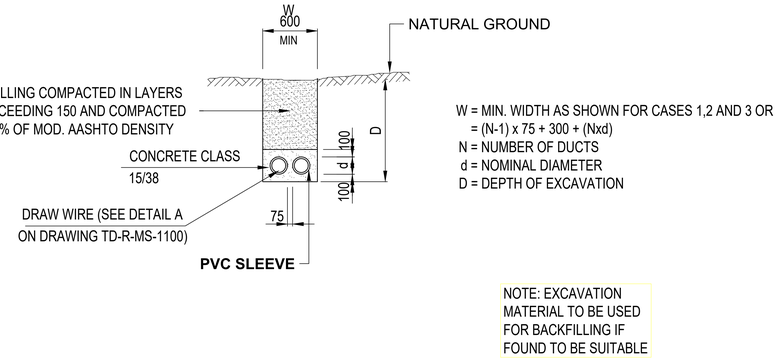


CASE 1 (D > 1.5m)

SCALE : 1: 25

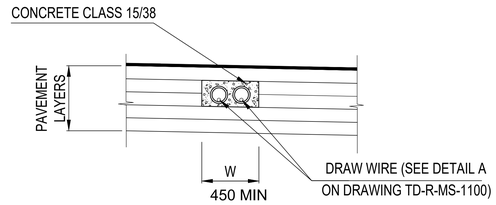


W = MIN. WIDTH AS SHOWN FOR CASES 1,2 AND 3 OR
= (N-1) x 75 + 300 + (Nxd)
N = NUMBER OF DUCTS
d = NOMINAL DIAMETER
D = DEPTH OF EXCAVATION

NOTE: EXCAVATION MATERIAL TO BE USED FOR BACKFILLING IF FOUND TO BE SUITABLE

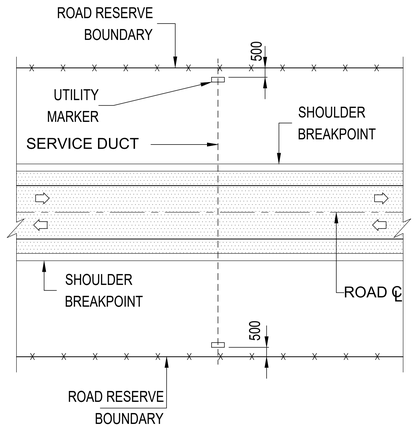
CASE 2 (D < 1.5m)

SCALE : 1: 25



CASE 3 (ONLY FOR EXCEPTIONAL CASES)

SCALE : 1: 25



PLACING OF SERVICE MARKER

N.T.S.

No.	DATE	REVISION
V1	08/03/2024	ORIGINAL VERSION

HEAD OFFICE
46 Tambotie Avenue
Val de Grace
Pretoria
0184

PO Box 415
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South Africa

Tel: (012) 844 8000

SANRAL
SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

WESTERN REGION
1 Havenga Street
Oakdale
Bellville
7530

Private Bag X19
Bellville
7535

Tel: (021) 957 4600

ACCEPTANCE

THIS ACCEPTANCE IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OR LIABILITY OF ANY KIND FROM WHATSOEVER CAUSE OR HOWEVER ARISING

for the SA NATIONAL ROADS AGENCY SOC LTD.

Date:

PROJECT DESCRIPTION

THE CAPACITY IMPROVEMENT OF NATIONAL ROUTE 1 SECTION 1 FROM OLD OAK INTERCHANGE (KM 18.90) TO KOELENHOF INTERCHANGE (KM 33.00)

MISCELLANEOUS
TYPICAL DETAIL OF UTILITY DUCTS & SERVICE MARKERS
SHEET 2 OF 2

SCALE @ A0: AS SHOWN | SHEET 2 OF 2

PROJECT NUMBER	N001-010-2021/1	
DRAWING LOCATION DATA	START	END
ROUTE	N01	N01
SECTION	01	01
DRAWING km DISTANCE	18.900	33.000
DRAWING TYPE	ROADS - MISCELLANEOUS	
BRIDGE/STRUCTURE No.	N/A	
CONSULTANT DRAWING No.	312-00827-01-TD41	VER
SANRAL DOCUMENT #	XXXXXX	V1

312-00827-01-TD41