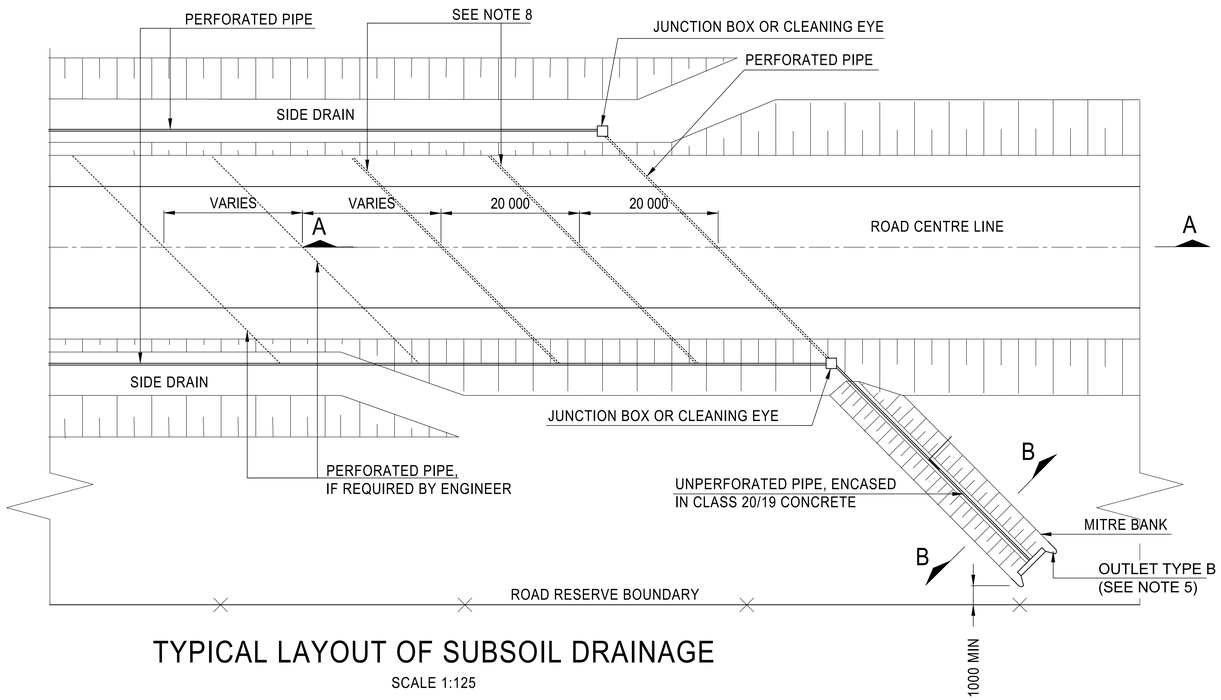
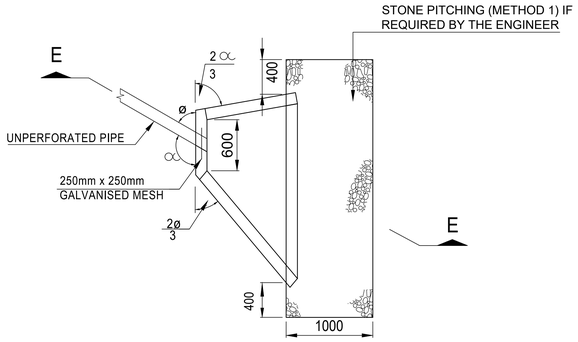


TYPICAL LAYOUT OF SUBSOIL DRAINAGE

SCALE 1:125

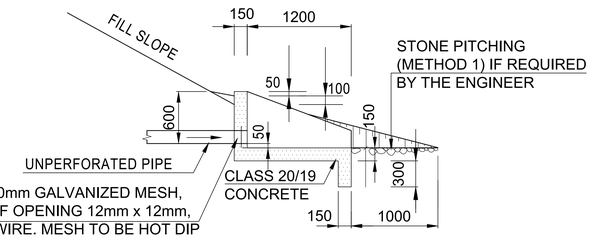


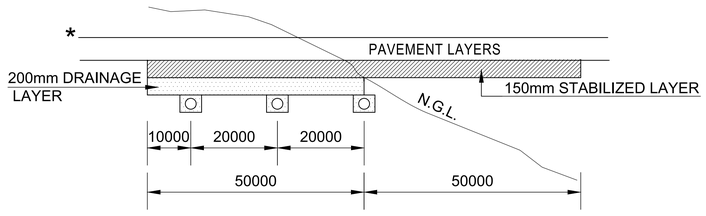
PLAN

SCALE 1:25

OUTLET TYPE A

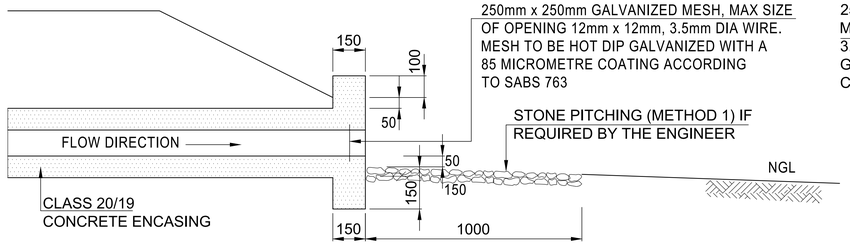
(SEE NOTE 5 ON SHEET 3)





SECTION A-A
SUBGRADE DRAINAGE AT CUT TO FILL TRANSITION

SCALE: 1 : 25



250mm x 250mm GALVANIZED MESH, MAX SIZE OF OPENING 12mm x 12mm, 3.5mm DIA WIRE. MESH TO BE HOT DIP GALVANIZED WITH A 85 MICROMETRE COATING ACCORDING TO SABS 763

STONE PITCHING (METHOD 1) IF REQUIRED BY THE ENGINEER

FRONT ELEVATION
(OUTLET TYPE B)

(SEE NOTE 5 ON SHEET 3)

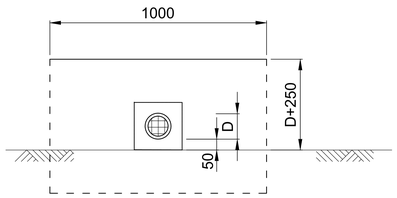
SCALE 1:10

250mm x 250mm GALVANIZED MESH, MAX SIZE OF OPENING 12mm x 12mm, 3.5mm DIA WIRE. MESH TO BE HOT DIP GALVANIZED WITH A 85 MICROMETRE COATING ACCORDING TO SABS 763

SECTION E-E

(WHERE ∝ = 90°)

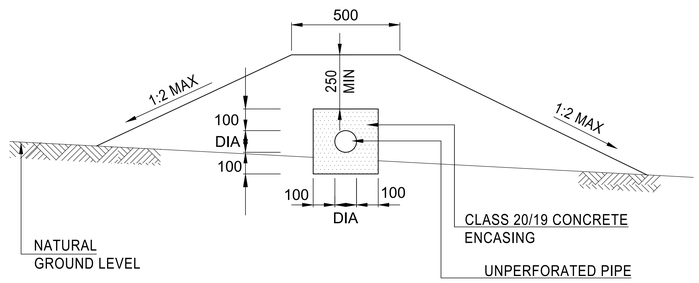
SCALE 1:25



FRONT ELEVATION

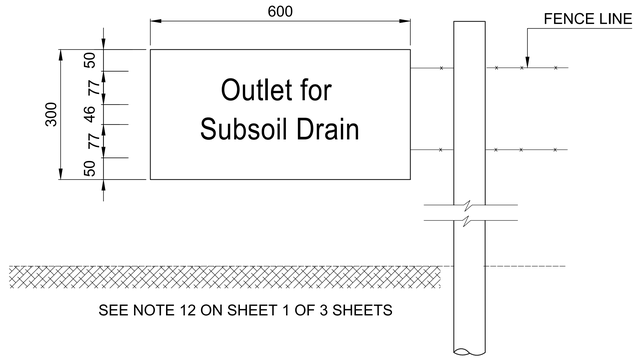
(TYPE B OUTLET STRUCTURE)

SCALE 1:10



SECTION B-B

SCALE 1:10



SUBSOIL OUTLET MARKER BOARD

SCALE 1:5

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

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SANRAL
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BUILDING SOUTH AFRICA THROUGH BETTER ROADS

WESTERN REGION
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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)

SUBSURFACE DRAINAGE
SHEET 2 OF 3

SCALE @ A0: AS SHOWN | SHEET 2 OF 3

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	DRAINAGE - SUBSURFACE DRAINAGE	
BRIDGE/STRUCTURE No.	N/A	
CONSULTANT DRAWING No.	312-00827-01-TD78	VER
SANRAL DOCUMENT #	XXXXXX	V1

312-00827-01-TD78