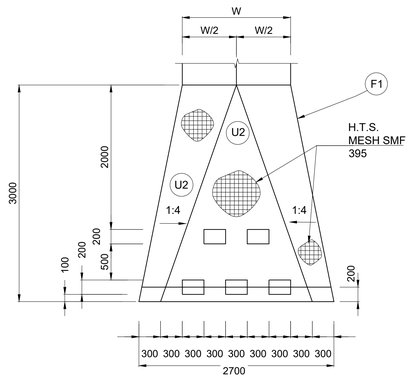
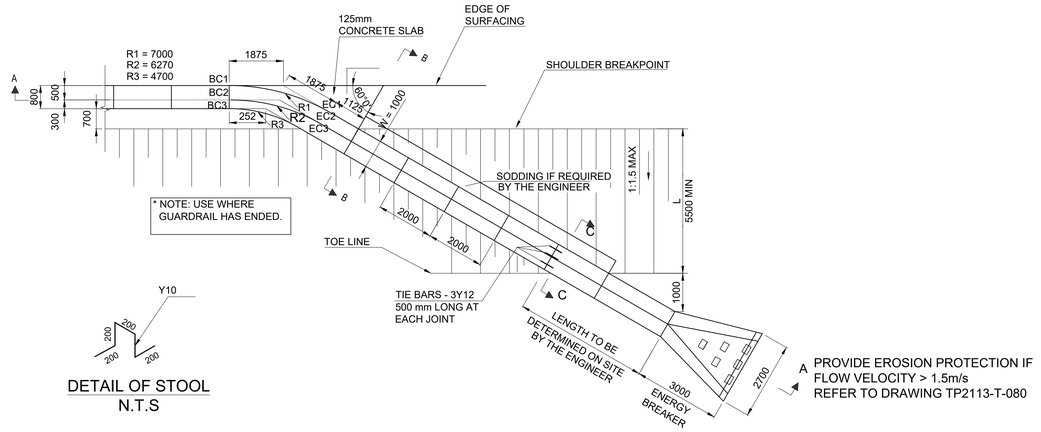
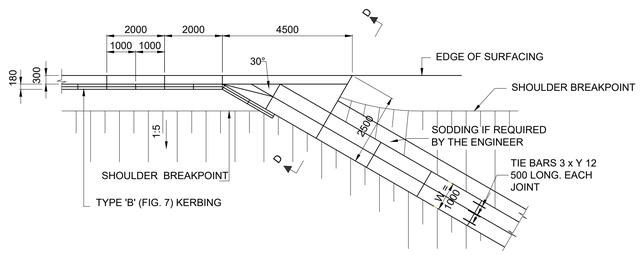


PLAN
N.T.S

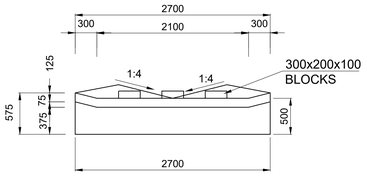


DETAIL OF STOOL
N.T.S

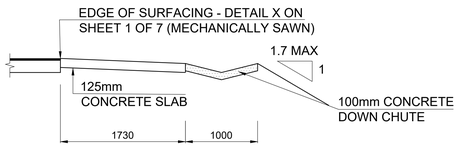
TRANSITION AND DOWN CHUTE FOR TYPE 'A'
CONCRETE SIDE DRAIN
N.T.S



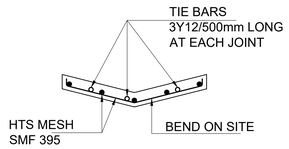
TRANSITION AND DOWN CHUTE FOR TYPE 'B'
CONCRETE KERBING
N.T.S



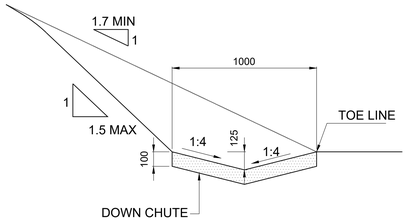
ELEVATION
N.T.S



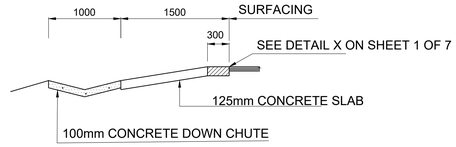
SECTION B-B
N.T.S



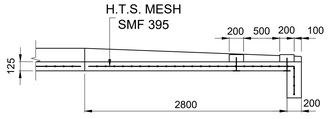
SECTION C-C
N.T.S



SECTION C-C
N.T.S

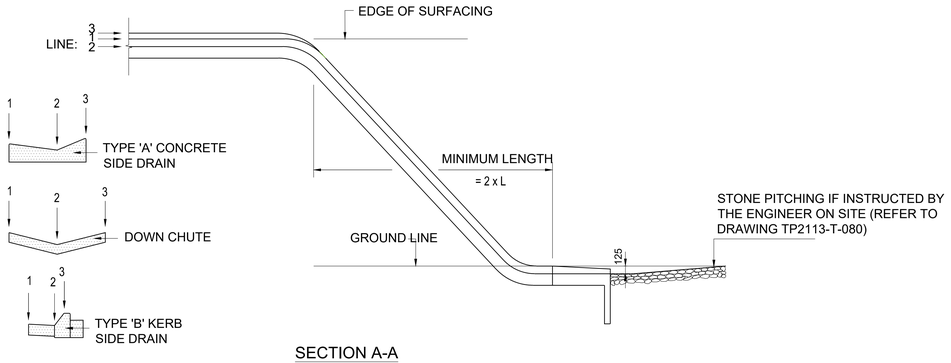


SECTION D-D
N.T.S



SIDE ELEVATION
N.T.S

ENERGY BREAKER FOR HIGH FLOW
VELOCITIES



SECTION A-A
N.T.S

NOTES:
1. REFER GENERAL NOTES REGARDING CONCRETE DRAINS ON TP2113-T-060.
2. DETAILS OF EXPANSION JOINTS IN CONCRETE DRAINS AND FINISHING OF SURFACING EDGE NEXT TO CONCRETE DRAINS SHOWN AS DETAIL 'X' ON DRAWING TP2113-T-060 TO ALL RELATABLE TYPICAL DRAWINGS.
6. SIDE DRAINS AND CHANNELS TO BE CONSTRUCTED AFTER FINAL SURFACING HAS BEEN COMPLETED.
7. ALL CONCRETE CHANNELS AND OTHER DRAIANGE STRUCTURES ON THIS PLAN TO BE CAST USING CLASS C25/30-20 CONCRETE.

FOR TENDER
(FOR TENDER PURPOSES ONLY)

No.	DATE	REVISION	CONSULT. ENG.
1	23/10/12	ORIGINAL	

CONSTRUCTION RECORD (AS-BUILT)
WORKS CONTRACT ENGINEER
Name :
Prof. Reg. No. :
Date :
SANRAL PROJECT MANAGER
Name :
Date :

DESIGNED BY
NAME
Prof. Reg. No.
CHECKED BY
NAME
Prof. Reg. No.
DRAWN BY
NAME

CONSULTANT APPROVAL
Name :
Prof. Reg. No. :
Date :

HEAD OFFICE
48 Tambotie Avenue
Val de Grace
Pretoria
0184

PO Box 415
Pretoria 0001
South Africa

Tel: (012) 844 8000

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

EASTERN REGION

58 Van Eck Place
Mkondeni
Pietermaritzburg
3201

PO Box 100410
Scottsville
3209

Tel: (033) 392 8100

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 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 DESCRIPTION
ROAD SURFACE DRAINAGE
DOWN CHUTE DETAIL FOR TYPE 'A' SIDE DRAINS AND TYPE 'B' KERBS

SCALE : N. T. S **SHEET** 2 **OF** 26

PROJECT NUMBER	N.002-300-2020/1	
DRAWING LOCATION DATA	START	END
ROUTE	N.002	N.002
SECTION	SECTION 30	SECTION 30
DRAWING km DISTANCE	km 47.0	km 55.0
DRAWING TYPE	ROADWORKS: DRAINAGE	
BRIDGE/STRUCTURE No.	N/A	
CONSULTANT DRAWING No.	TP2113-T-061	VER 1
SANRAL DOCUMENT #		

DWG PATH: P:\TP2113_HLUHLUWE20 DRAWINGS\04_VOLUME 4\01_WORKING DWG\TP2113 -T- 060 TO 080 DRAINAGE.DWG

ORIGINAL SCALE : 1 : 100

Drawing No: -