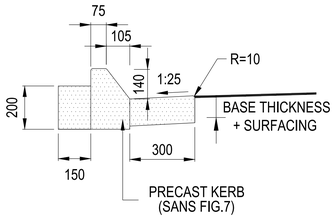
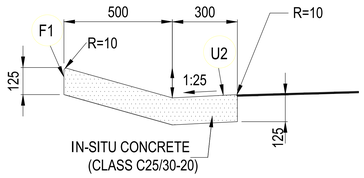


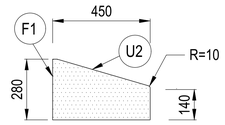
CROSS SECTION OF TYPE 'A'
CONCRETE SIDE DRAIN



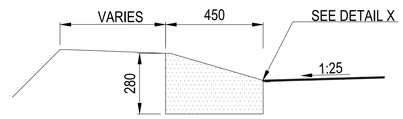
CROSS SECTION OF TYPE 'B'
SEMI MOUNTABLE KERB (FIG. 7)



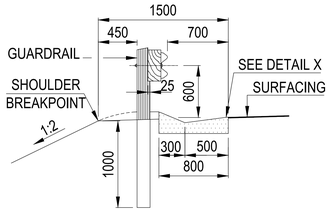
CROSS SECTION OF TYPE 'C'
MOUNTABLE KERB (RURAL INTERSECTIONS)



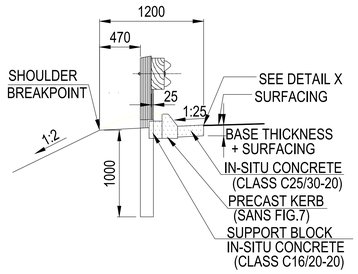
CROSS SECTION OF TYPE 'D'
MOUNTABLE KERB



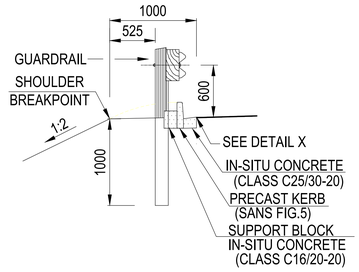
POSITION OF TYPE 'D' MOUNTABLE KERB
(STREET SECTIONS)



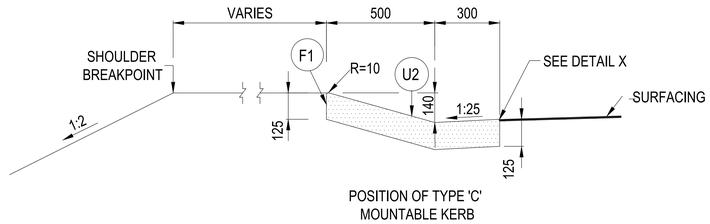
POSITION OF TYPE 'A'
CONCRETE SIDE DRAIN



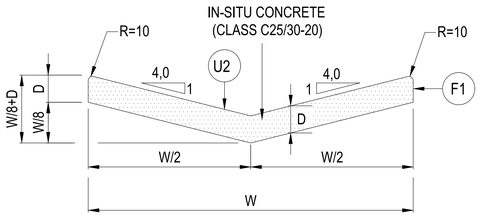
POSITION OF TYPE 'B'
SEMI MOUNTABLE KERB(FIG. 7)



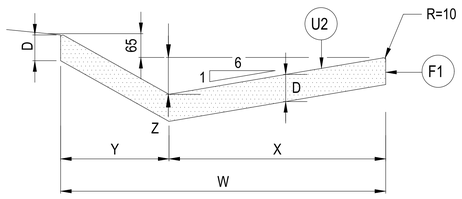
POSITION OF ALTERNATIVE TYPE 'B'
NON MOUNTABLE KERB (FIG. 5)



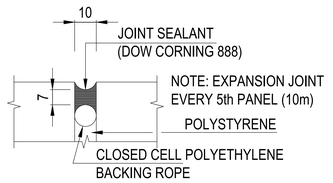
POSITION OF TYPE 'C'
MOUNTABLE KERB



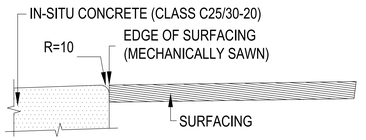
CROSS SECTION OF TYPE 'E'
CONCRETE CHANNEL



CROSS SECTION OF TYPE 'F'
CONCRETE SIDE CHANNEL

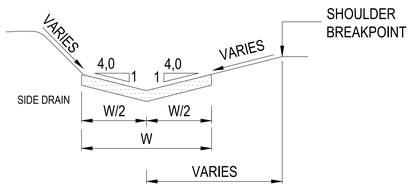


EXPANSION JOINT

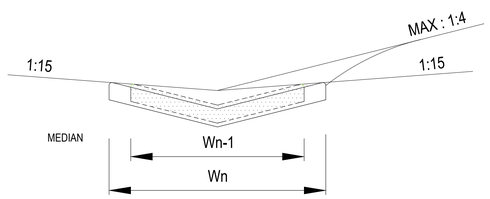


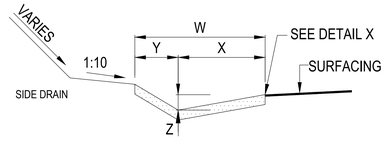
DETAIL X

NOTES :
1. ALL CONCRETE CHANNELS AND OTHER DRAINAGE STRUCTURES ON THIS PLAN TO BE CAST USING CLASS C25/30-20 CONCRETE.
2. TYPES 'E' AND 'F' CONCRETE MUST BE CAST IN ALTERNATIVE LENGTHS OF 2.0m MAXIMUM WITH EXPANSION JOINTS EVERY 5th PANEL (10 m)
3. ALL EXPOSED CORNERS MUST BE ROUNDED OF TO A MINIMUM RADIUS OF 10mm.
4. THE TYPE OF SURFACE FINISH IS INDICATED AS F1 & U2.
   F - FORMED SURFACES
   U - UNFORMED SURFACES
5. PRECAST KERBING FIG. 5 & FIG. 7 REFER SANS. 927



POSITION OF TYPE 'E' CONCRETE CHANNEL





POSITION OF TYPE 'F' CONCRETE CHANNEL

W	W/2	W/8	W/8+D	D UNREINFORCED	D REINFORCED
1000	500	125	250	125	100
1500	750	188	313	125	100
2000	1000	250	400	150	100
2500	1250	313	463	150	100

DIMENSIONS OF TYPE 'E' CONCRETE CHANNELS

W	X	Y	Z	D UNREINFORCED	D REINFORCED
1000	670	330	110	125	100
1500	1000	500	170	125	100
2000	1330	670	220	150	100
2500	1670	830	280	150	100
3000	2004	996	334	150	100

DIMENSIONS OF TYPE 'F' CONCRETE CHANNELS

FOR TENDER ONLY

No.	DATE	REVISION	CONSULT. ENG.
T01	29/10/2024	ISSUED FOR RETENDER	
T00	28/02/2022	ISSUE FOR TENDER	

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
Reg. No. 1998/030864/30
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

NORTHERN REGION
38 Ida Street
Menlo Park
Pretoria
0081

Private Bag X17
Lynnwood Ridge
0040

Tel: (012) 426 6200

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
FOR TRAINING AND CONSTRUCTION MANAGEMENT SERVICES FOR A COMMUNITY DEVELOPMENT PROJECT TO UPGRADE ACCESS ROADS IN AND NEAR KWAMHLANGA TOWNSHIP - MPUMALANGA PROVINCE

STRUCTURE NAME
MISCELLANEOUS
TYPICAL DETAIL DRAIN TYPES

SCALE : AS SHOWN
SHEET 1 OF 3

PROJECT NUMBER	C.002-053-2023/1	
DRAWING LOCATION DATA	START	END
ROUTE	-	-
SECTION	-	-
DRAWING km DISTANCE	-	-
DRAWING TYPE	TYPICAL DRAWING - ROADWORKS	
BRIDGE/STRUCTURE No.		
CONSULTANT DRAWING No.	604874504-1-C-DA-105-T-01	VER
SANRAL DOCUMENT #		T01

SANRAL TITLE BLOCK #1648234(DWG/PDF) VERSION V11.1