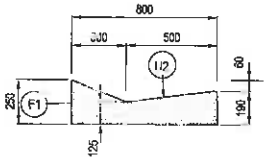
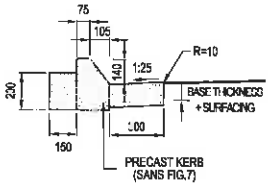


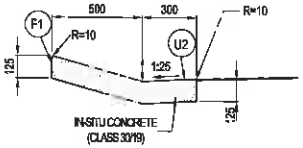
CROSS SECTION OF TYPE 'A'
CONCRETE SIDE DRAIN

SCALE 1:20



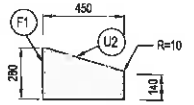
CROSS SECTION OF TYPE 'B'
SEMI MOUNTABLE KERB (FIG. 7)

SCALE 1:20



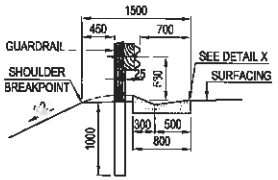
CROSS SECTION OF TYPE 'C'
MOUNTABLE KERB (RURAL INTERSECTIONS)

SCALE 1:20



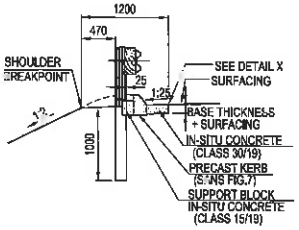
CROSS SECTION OF TYPE 'D'
MOUNTABLE KERB

SCALE 1:20



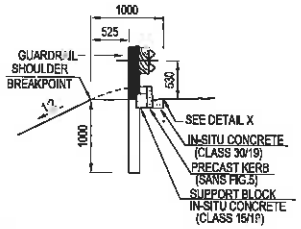
POSITION OF TYPE 'A'
CONCRETE SIDE DRAIN

SCALE 1:50



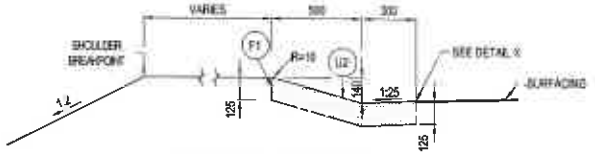
POSITION OF TYPE 'B'
SEMI MOUNTABLE KERB(FIG. 7)

SCALE 1:50



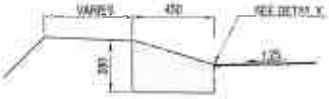
POSITION OF ALTERNATIVE TYPE 'B'
NON MOUNTABLE KERB (FIG. 5)

SCALE 1:50



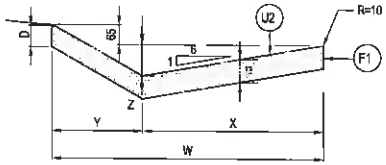
POSITION OF TYPE 'C'
MOUNTABLE KERB

SCALE 1:20



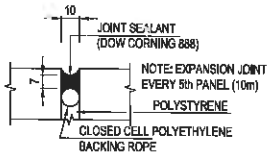
POSITION OF TYPE 'D' MOUNTABLE KERB
(STREET SECTIONS)

SCALE 1:20



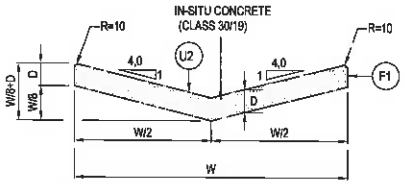
CROSS SECTION OF TYPE 'F'
CONCRETE SIDE CHANNEL

N.T.S.



EXPANSION JOINT

N.T.S.



CROSS SECTION OF TYPE 'E'
CONCRETE CHANNEL

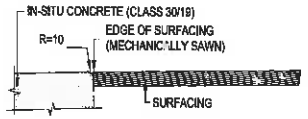
N.T.S

W	W/2	W/6	W/6+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

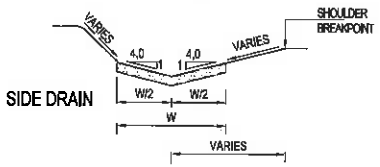
W	X	Y	Z	D UNREINFORCED	D REINFORCED
1000	670	330	110	125	100
1500	1000	500	170	125	100
2000	1330	670	220	150	100
2500	1670	830	280	150	100

DIMENSIONS OF TYPE 'F' CONCRETE CHANNELS

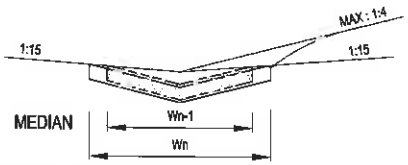


DETAIL X

SCALE 1:5

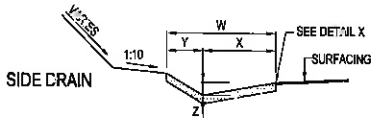


SIDE DRAIN



MEDIAN

POSITION OF TYPE 'E' CONCRETE CHANNEL



SIDE DRAIN

POSITION OF TYPE 'F' CONCRETE CHANNEL

NOTES :

1. ALL CONCRETE CHANNELS AND OTHER DRAINAGE STRUCTURES ON THIS PLAN TO BE CAST USING CLASS 30/19 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

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VI			
N:	DATE	VERSION / REVISION	APPROVED

SANRAL TYPICAL DRAWINGS

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APPROVED

DATE: 18 February 2008

TYPICAL DRAWINGS - DRAINAGE

RD SURFACE DRAINAGE
TYPICAL DRAIN TYPES
SHEET 1 OF 7

SANRAL DOC. No. (PC1): 180791

SANRAL DOC. No. (CTC): 180792

SANRAL DRAWING No.: TD-D-RD-001-V1