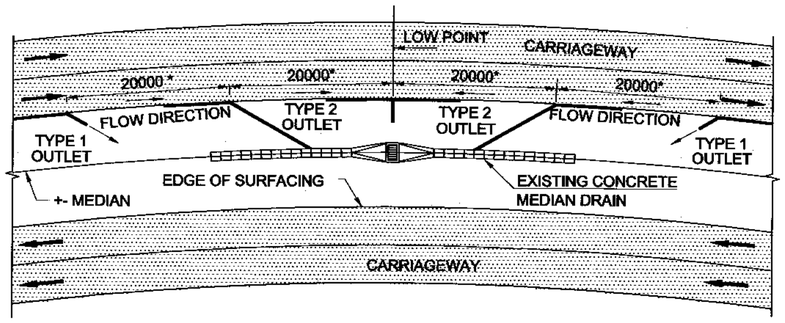
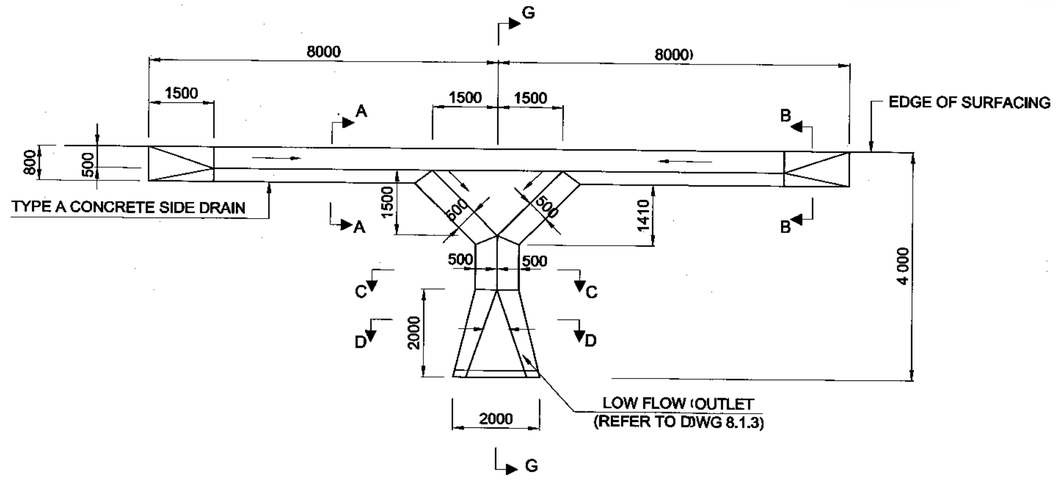


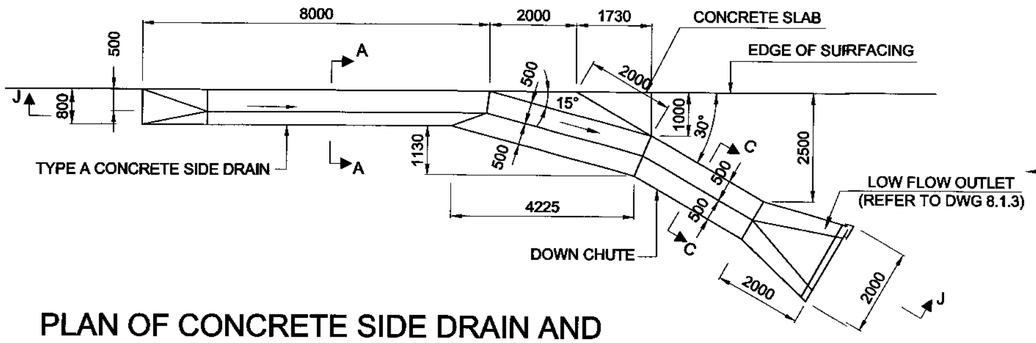
PLAN SHOWING TYPES & POSITION OF MEDIAN OUTLETS AT SAGS

N.T.S.



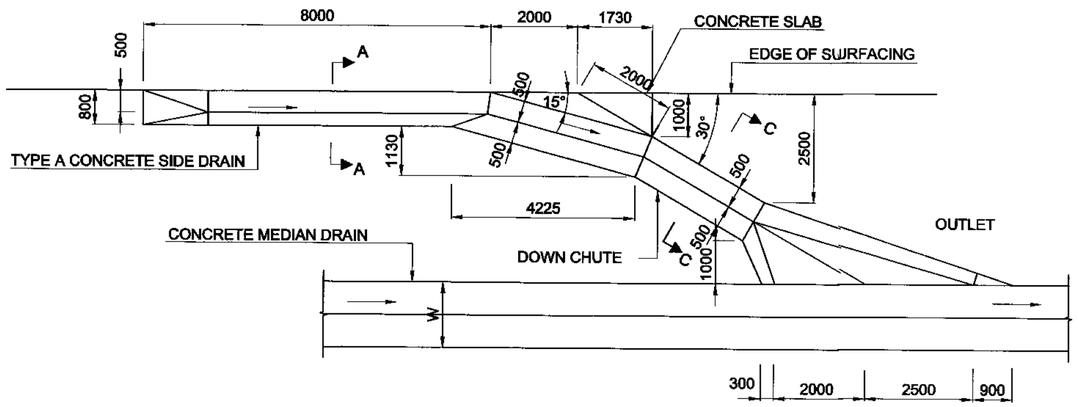
PLAN OF CONCRETE SIDE DRAIN ANID OUTLET TO MEDIAN (LOW POINT)

SCALE 1:100



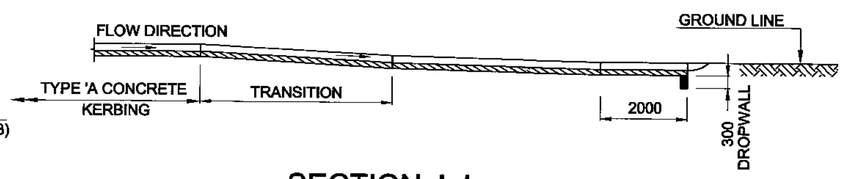
PLAN OF CONCRETE SIDE DRAIN AND MEDIAN OUTLET TYPE 1

SCALE 1:100



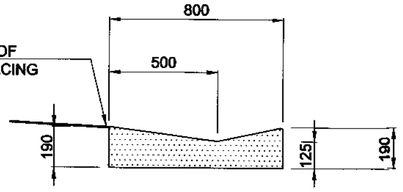
PLAN OF CONCRETE SIDE DRAIN AND MEDIAN OUTLET TYPE 2

SCALE 1:100



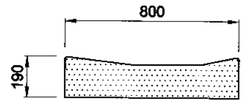
SECTION J-J

SCALE 1:100



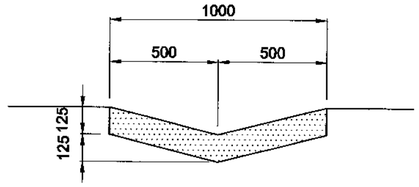
TYPE A CONCRETE SIDE DRAIN SECTION A-A

SCALE 1:20



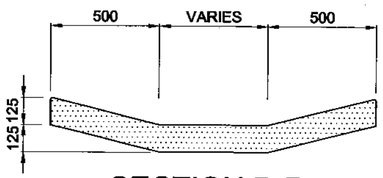
SECTION B-B

SCALE 1:20



SECTION C-C

SCALE 1:20



SECTION D-D

SCALE 1:20

NOTES:

1. MATERIALS
   - 1.1 REINFORCEMENT: SANS 920 (LATEST REVISION).
   - 1.2 CONCRETE: SIDE DRAINS AND TRANSITIONS - CLASS 30/19.
2. MINIMUM CONCRETE COVER TO MAIN REINFORCEMENT IS 40mm.
3. ALL EXPOSED CORNERS MUST BE ROUNDED OFF TO A MINIMUM RADIUS OF 10mm OR BE CHAMFERED 25mm x 25mm.
4. REFER GENERAL NOTES REGARDING CONCRETE DRAINS ON SHEET 1 OF 7 (TD-D-RD-001).
5. DETAILS OF EXPANSION JOINTS IN CONCRETE DRAINS AND FINISHING OF SURFACING EDGE NEXT TO CONCRETE DRAINS SHOWN AS "DETAIL X" ON SHEET 1 OF 7 (TD-D-RD-001) APPLY TO ALL RELATED TYPICAL DRAWINGS.
6. *SPACING OF OUTLETS ON CONTINUOUS GRADES TO BE DETERMINED TO SUIT THE SPECIFIC CONDITIONS

FOR LATEST VERSION CHECK www.nra.co.za

No.	DATE	VERSION / REVISION	APPROVED
V1	SEPT 2014	ORIGINAL VERSION	

SANRAL TYPICAL DRAWINGS

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APPROVED

DATE: 2015/06/22

TYPICAL DRAWINGS - DRAINAGE

RD SURFACE DRAINAGE
MEDIAN DRAINAGE ON INSIDES OF CURVES
CONCRETE DRAIN DETAIL SHEET 6 OF 7

SANRAL DOC. No. (PDF)	1693809
SANRAL DOC. No. (DWG)	1873889
SANRAL DRAWING No.	TD-D-RD-1006-V1