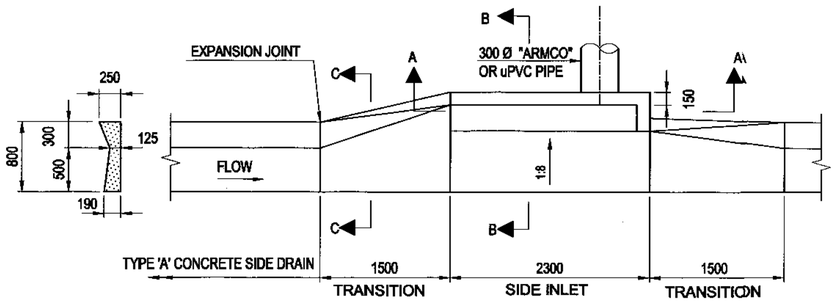
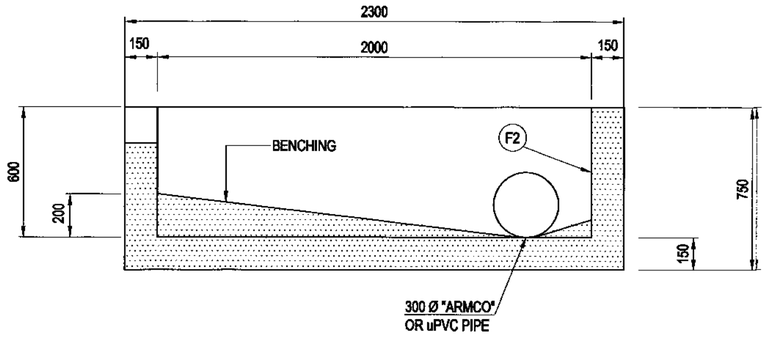


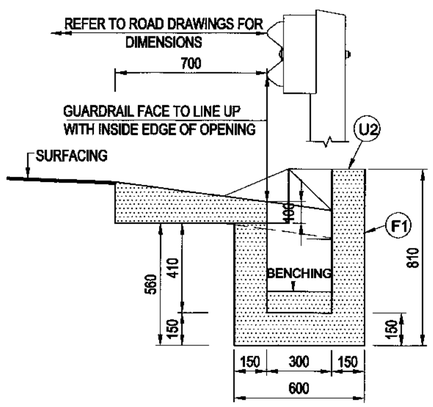
PLAN OF TRANSITION AND SIDE INLET FOR TYPE 'A' SIDE DRAIN

SCALE 1:50



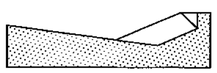
SECTION A-A

SCALE 1:20



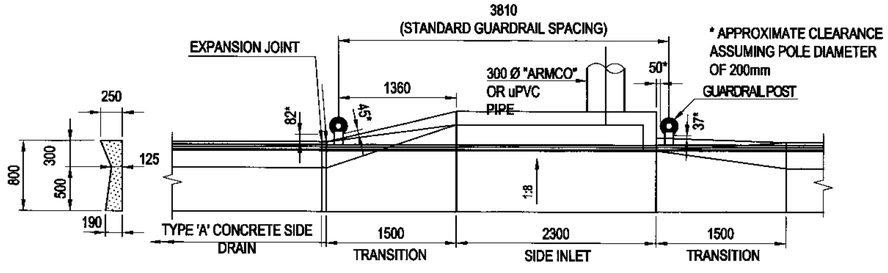
SECTION B-B

SCALE 1:20



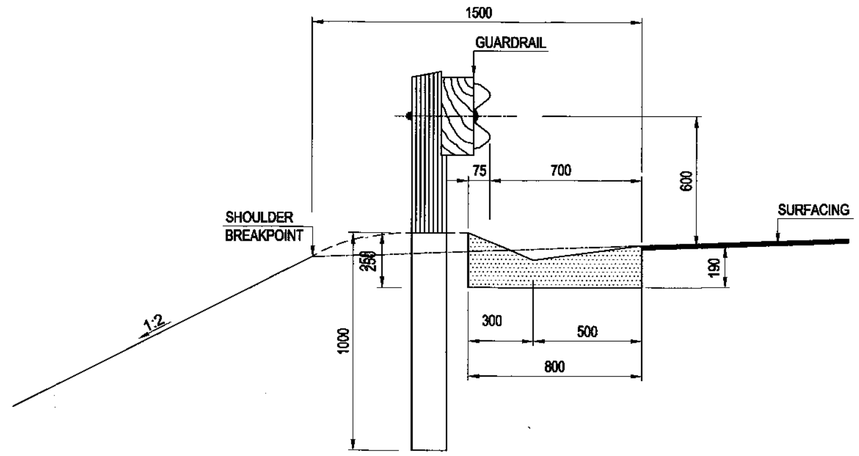
SECTION C-C

SCALE 1:20



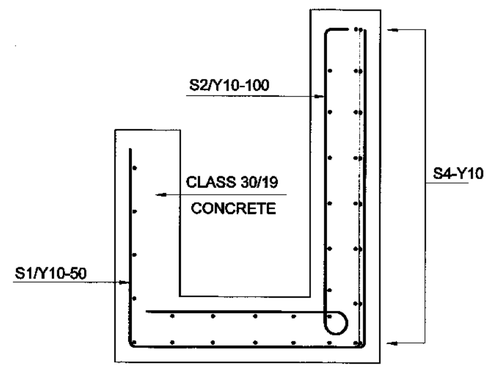
POSITION OF GUARDRAILS AT SIDE INLETS

SCALE 1:50



POSITIION OF GUARDRAILS AT TYPE 'A' SIDE INLETS

SCALE 1:20



SECTION THROUGH SIDE INLET REINFORCEMENT

SCALE 1:10

NOTES:

1. MATERIAL:

1.1 REINFORCEMENT: SABS 920, LATEST REVISION.

1.2 CONCRETE: (CAST IN SITU)

: SIDE DRAINS AND TRANSITIONS	- CLASS 30/19.
: SIDE INLETS AND MANHOLES	- CLASS 30/19.
: ENERGY BREAKERS	- CLASS 30/19.
: ANCHOR BLOCKS	- CLASS 30/19.
: BENCHING	- CLASS 15/19.

2. THE TYPE OF SURFACE FINISH IS INDICATED AS F1, F2 & U2.
   F - FORMED SURFACES.
   U - UNFORMED SURFACES.
3. MINIMUM CONCRETE COVER TO MAIN REINFORCEMENT IS 40mm.
4. ALL EXPOSED CORNERS MUST BE ROUNDED OFF TO A MINIMUM RADIUS OF 10mm OR BE CHAMFERED 25mm x 25mm.

FOR LATEST VERSION CHECK www.nra.co.za

No.	DATE	REVISION	APPROVED
V1	SEPT 2014	ORIGINAL VERSION	

SANRAL TYPICAL DRAWINGS

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APPROVED

DATE: 2015/06/26

TYPICAL DRAWINGS - DRAINAGE

INLET STRUCTURES
SIDE INLETS ON HIGH FILLS
SHEET 1 OF 6

SANRAL DOC. No. (PDF)	1693204
SANRAL DOC. No. (DWG)	1797170
SANRAL DRAWING No.	TD-D-IS-1001-V1