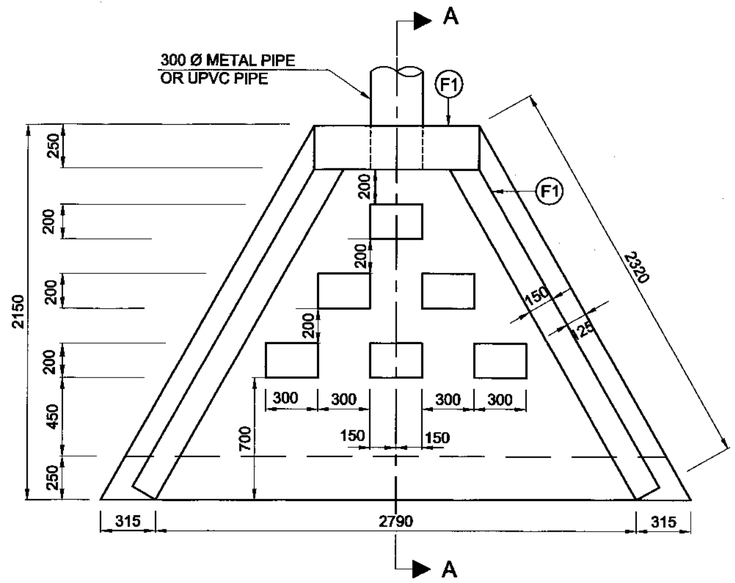
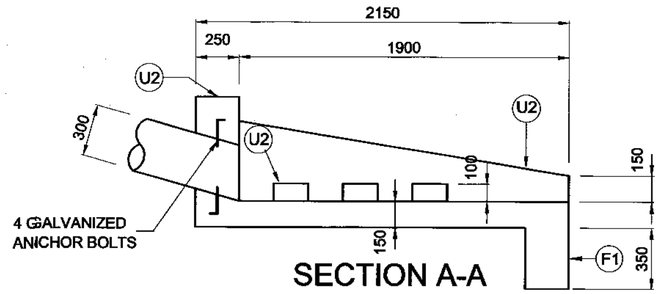


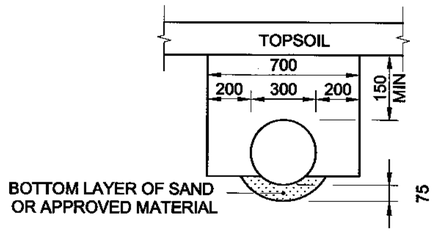
PLAN OF ENERGY BREAKER

SCALE 1:25



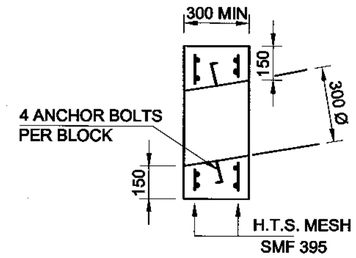
SECTION A-A

SCALE 1:25



BEDDING FOR DOWN PIPES

SCALE 1:10

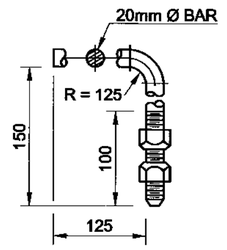


SECTIONAL VIEW OF ANCHOR BLOCK

SCALE : SCHEMATIC

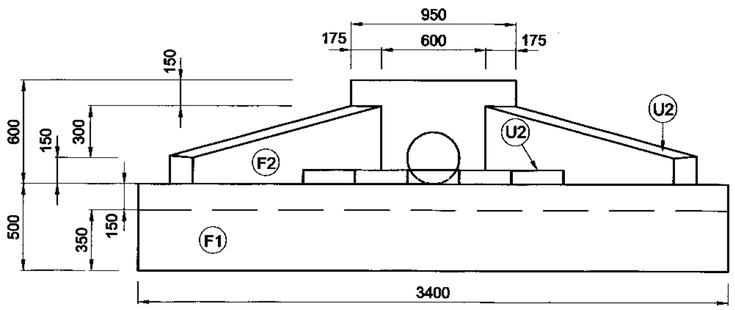
NOTES FOR ANCHOR BLOCKS

1. "ARMCO" PIPE LENGTH = L.
   FOR L = 0m 10m : 1 ANCHOR BLOCK.
   FOR L = 10m 15m : 2 ANCHOR BLOCKS.
   FOR L = 15m 20m : 3 ANCHOR BLOCKS.
   FOR L = 20m 30m : 4 ANCHOR BLOCKS.
2. ANCHOR BLOCKS MUST BE SPACED AT EQUAL DISTANCES.
3. ANCHOR BLOCKS TO BE CAST AGAINST NEAT EXCAVATION. (NO FORMWORK)



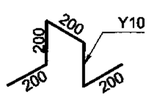
GALVANIZED ANCHOR BOLT

N.T.S.



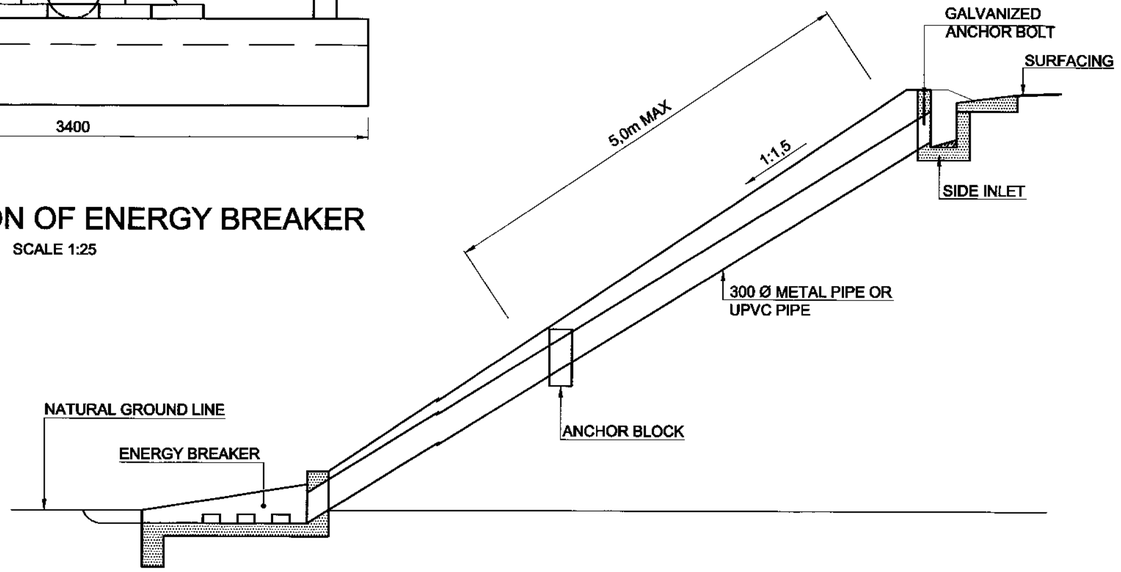
FRONT ELEVATION OF ENERGY BREAKER

SCALE 1:25



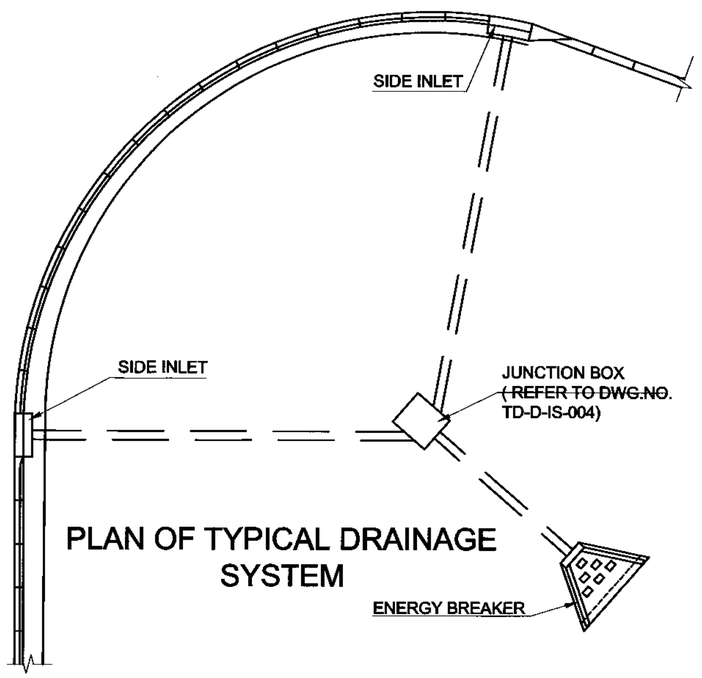
FIXING BAR

(2 PER BLOCK)
SCALE 1:20



LONGITUDINAL SECTION OF DOWN PIPE AND ENERGY BREAKER

SCALE 1:50



PLAN OF TYPICAL DRAINAGE SYSTEM

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
DOWN PIPES FOR SIDE INLETS
SHEET 2 OF 6

SANRAL DOC. No. (PDF)	1692528
SANRAL DOC. No. (DWG)	1796058
SANRAL DRAWING No.	TD-D-IS-1002-V1