



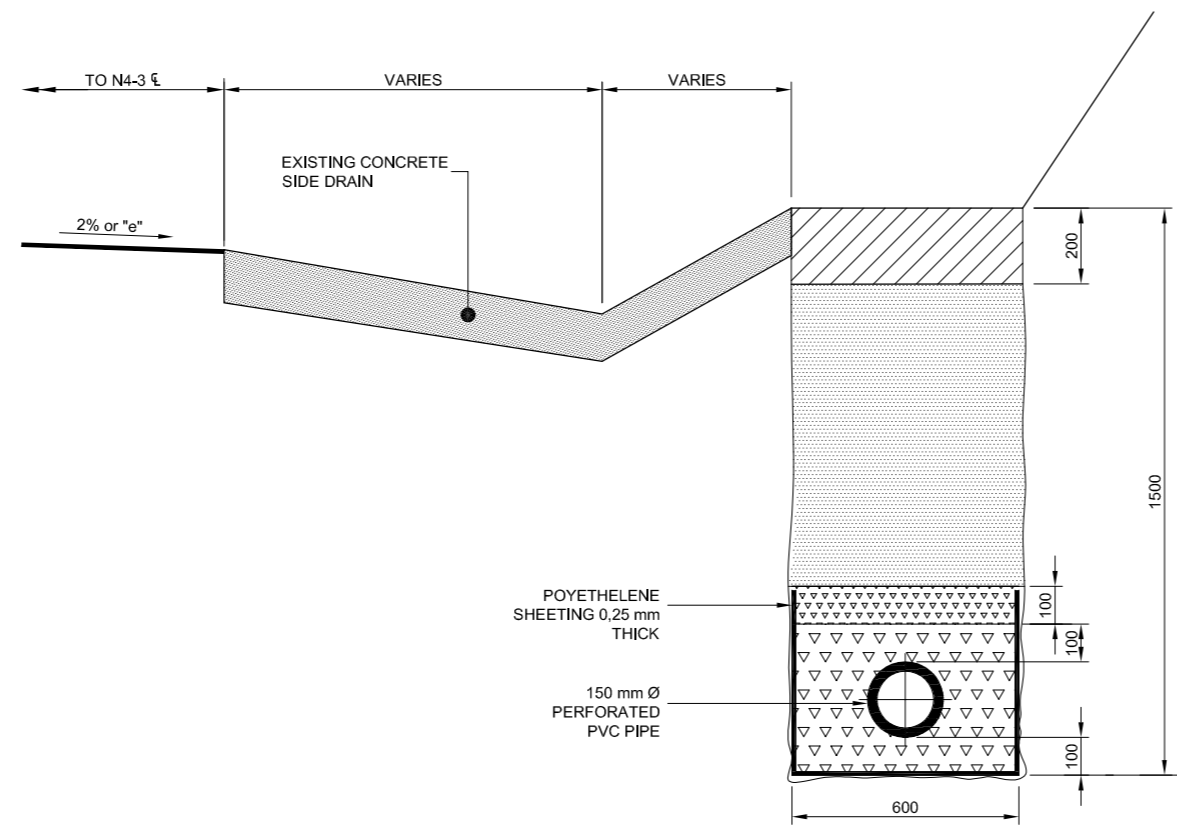


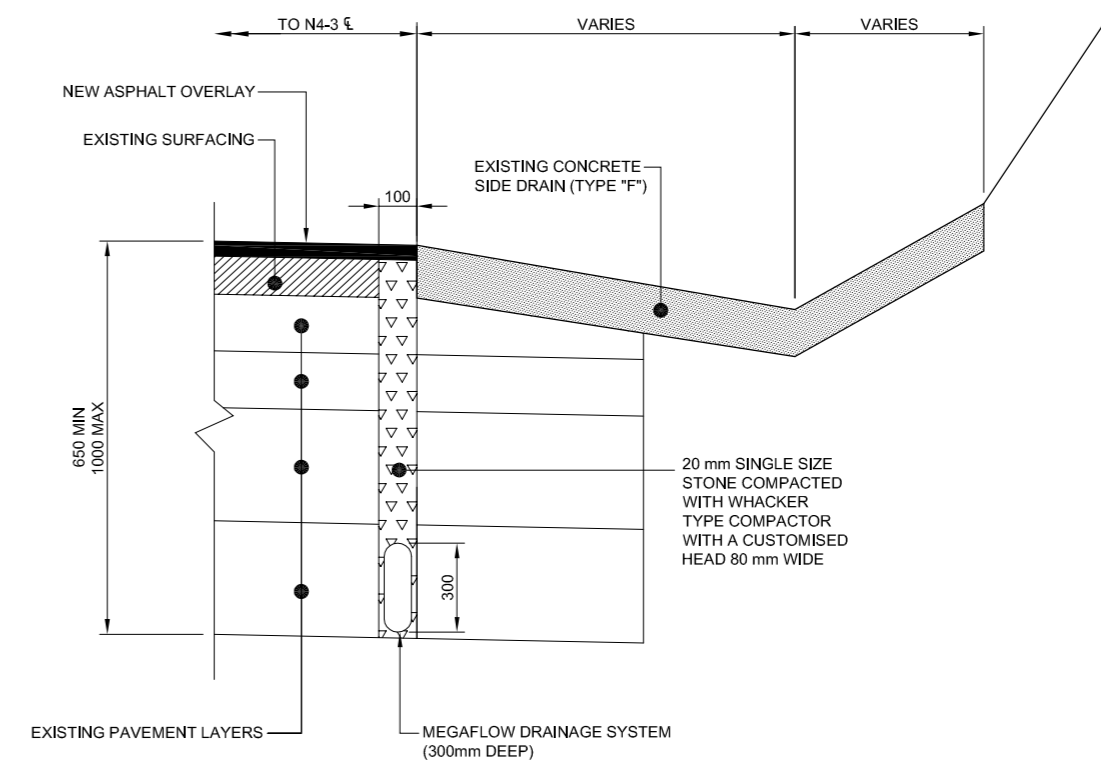
# TYPICAL DETAILS OF SUBSURFACE DRAINS

## LEGEND

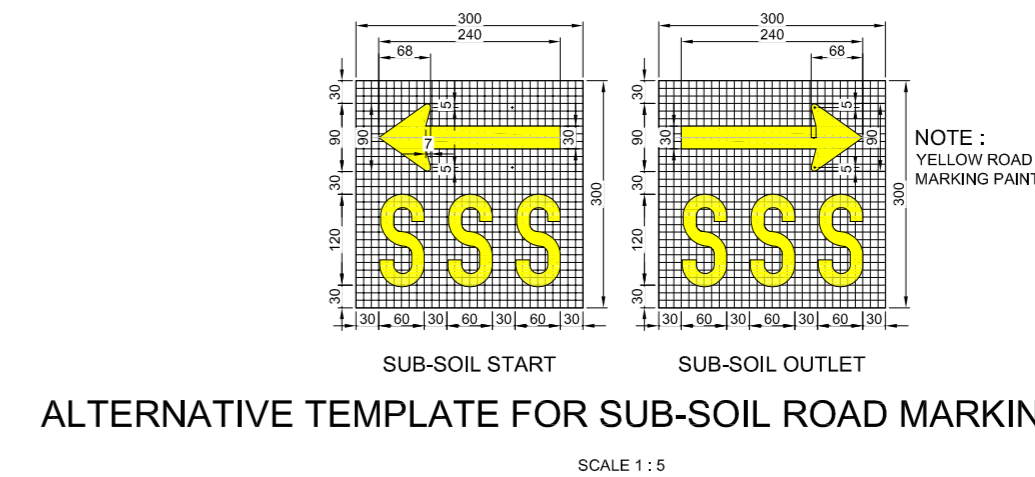
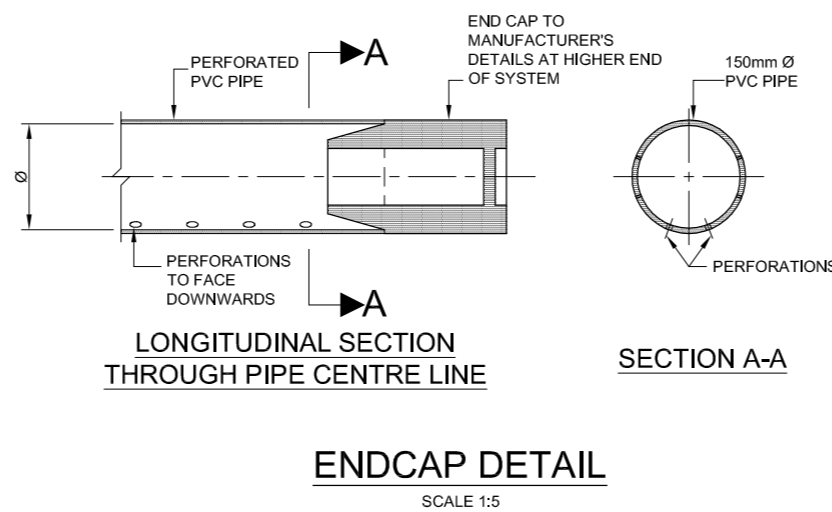
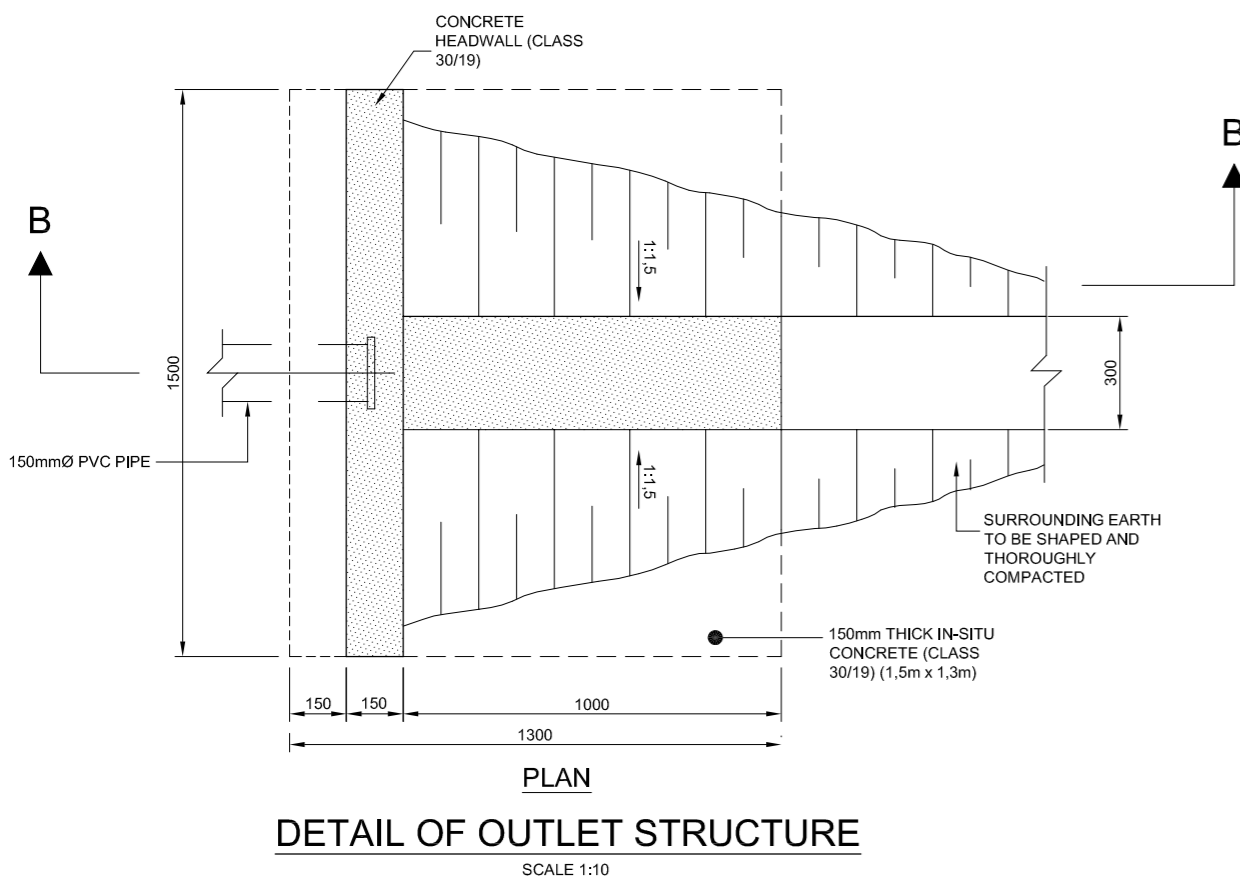
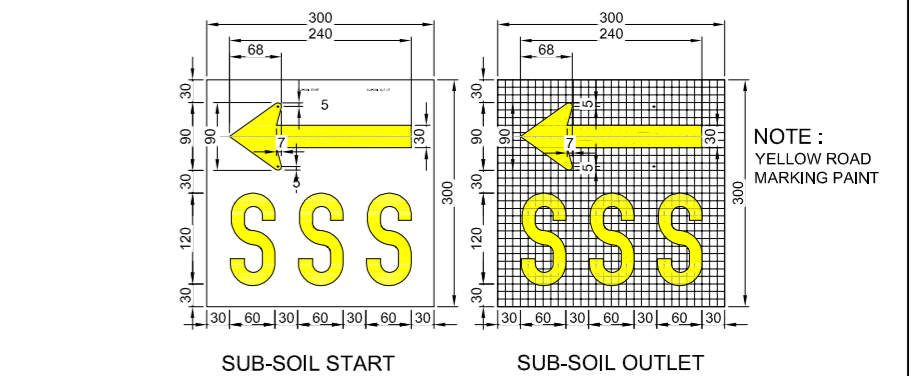
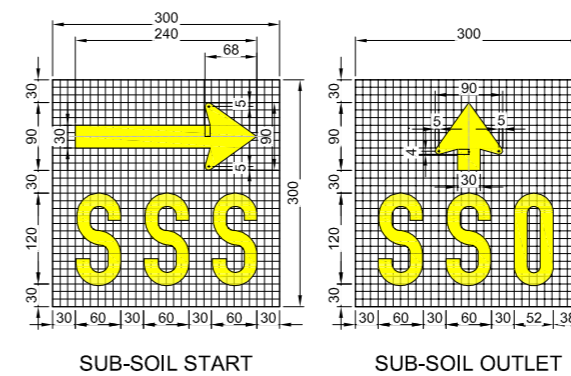
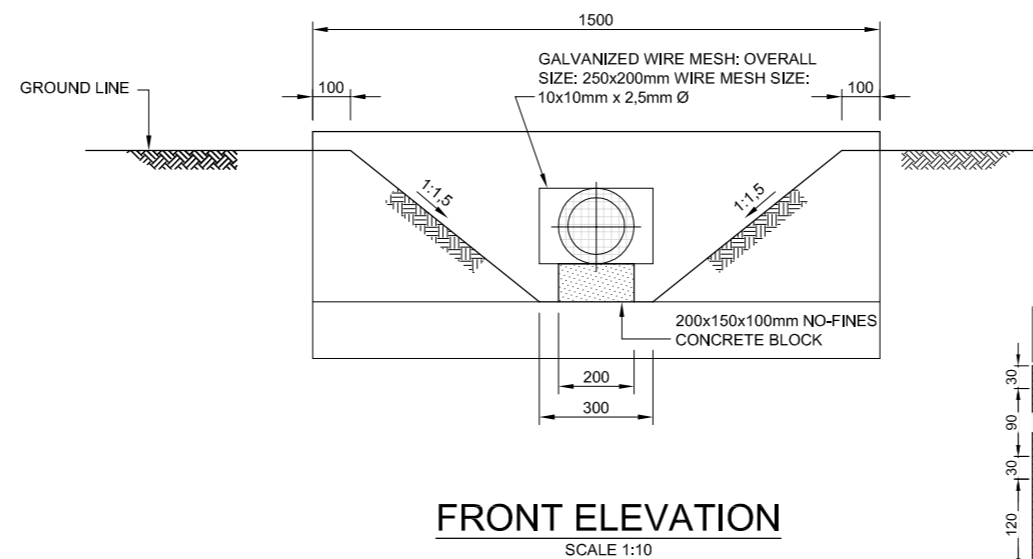
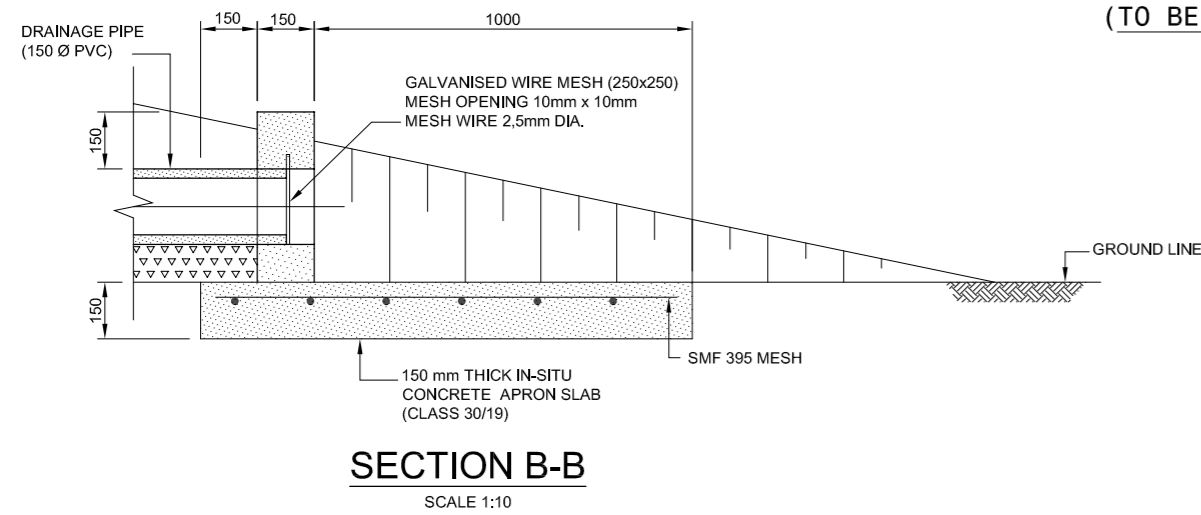
-  IMPERMEABLE BACKFILL
-  NATURAL PERMEABLE SAND FROM EITHER APPROVED SOURCES ON SITE OR COMMERCIAL.
-  10,0 mm SINGLE SIZE STONE
-  20,0 mm SINGLE SIZE STONE



**TYPE "A" SUBSURFACE DRAIN**  
(TO BE CONSTRUCTED IN EXISTING CUTTINGS BEHIND EXISTING DRAINS)  
SCALE 1:10



**MEGAFLOW DRAINAGE SYSTEM**  
SCALE 1:10



ORIGINAL SCALE : 1 : 100

<b>CONSTRUCTION RECORD (AS-BUILT)</b> WORKS CONTRACT ENGINEER Name: _____ Prof. Reg. No.: _____ Date: _____ SANRAL PROJECT MANAGER		<b>SNA CIVIL AND STRUCTURAL ENGINEERS (Pty) LTD</b> SNAVIA BUILDING 285 ALBERTUS STREET LA MONTAGNE 0184 P. O. Box 72727 LYNWOOD RIDGE 0040 Tel: 012-842 0000 Fax: 012-803 4429 e-mail: pla@sna.co.za web: www.sna.co.za		<b>TRANS AFRICAN CONCESSIONS (PTY) LTD</b> BLOCK 6 THORN-HILL OFFICE PARK 94 BEKKER ROAD MIDRAND PO Box 10817 VORNA VALLEY 1686 Tel.: 011-805 8788 Fax.: 011-805 8789 gesterhuysem@trac4.co.za www.trac4.co.za		DESIGNED BY NAME: G LOUBSER Prof. Reg. No.: 990309 CHECKED BY NAME: J.B.W. STOLTZ Prof. Reg. No.: 990312 Date: APRIL 2016		CONSULTANT APPROVAL HEAD OFFICE 48 Tambotie Avenue Val de Grace Pretoria 0184 PO Box 415 Pretoria 0001 South Africa Tel: (012) 844 8000		<b>SANRAL</b> BUILDING SOUTH AFRICA THROUGH BETTER ROADS Tel: (012) 426 6200		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 MAPUTO DEVELOPMENT CORRIDOR (MDC) PRETORIA TO LEBOMBO BORDER POST ROUTINE ROAD MAINTENANCE DRAWING DESCRIPTION TYPICAL DETAILS OF SUBSURFACE DRAINS		PROJECT NUMBER TRAC/MAINT-2019-01 DRAWING LOCATION DATA ROUTE SECTION DRAWING TYPE BRIDGE/STRUCTURE No. CONSULTANT DRAWING No. SCALE : AS SHOWN (A0) SHEET 1 OF 1 SANRAL DOCUMENT #		PRETORIA LEBOMBO BORDER ROADS - TYPICAL DETAILS SNA-TP1915-D1 V1	
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