



The diagrams illustrate the cross-sections of a canal at five different stations. Each station shows the canal bed, water level, and surrounding terrain. Key data points include areas (AREA), center of gravity (CG), and canal dimensions (width, depth).

Station 13+080:

- Left AREA: $AC=0.00m^2$, $AR=8.89m^2$
- Left CG: $CGc=257.45$
- Right AREA: $AC=7.28m^2$, $AR=0.00m^2$
- Right CG: $CGc=257.46$
- Canal Width: 6.42m (left), 5.80m (right)
- Canal Depth: 0.79m (left), 0.17m (right)
- Canal Slope: 1:3

Station 13+060:

- Left AREA: $AC=0.00m^2$, $AR=9.75m^2$
- Left CG: $CGc=257.19$
- Right AREA: $AC=5.67m^2$, $AR=0.00m^2$
- Right CG: $CGc=257.14$
- Canal Width: 6.32m (left), 5.85m (right)
- Canal Depth: 0.78m (left), 0.15m (right)
- Canal Slope: 1:3

Station 13+040:

- Left AREA: $AC=0.00m^2$, $AR=9.78m^2$
- Left CG: $CGc=256.97$
- Right AREA: $AC=3.26m^2$, $AR=0.00m^2$
- Right CG: $CGc=256.97$
- Canal Width: 6.11m (left), 5.66m (right)
- Canal Depth: 0.77m (left), 0.15m (right)
- Canal Slope: 1:3

Station 13+020:

- Left AREA: $AC=0.00m^2$, $AR=8.65m^2$
- Left CG: $CGc=256.70$
- Right AREA: $AC=2.31m^2$, $AR=0.00m^2$
- Right CG: $CGc=256.81$
- Canal Width: 6.49m (left), 5.46m (right)
- Canal Depth: 0.74m (left), 0.14m (right)
- Canal Slope: 1:3

Station 13+000:

- Left AREA: $AC=0.00m^2$, $AR=8.18m^2$
- Left CG: $CGc=256.38$
- Right AREA: $AC=2.40m^2$, $AR=0.05m^2$
- Right CG: $CGc=256.57$
- Canal Width: 8.59m (left), 5.66m (right)
- Canal Depth: 0.28m (left), 0.43m (right)
- Canal Slope: 1:3



- CONCRETO $f'_c = 210 \text{ Kg/cm}^2$
- JUNTA TRANSVERSAL CONTRACCION CADA 3M
- JUNTA TRANSVERSAL DILATACION CADA 9M

 CANAL EXISTENTE
 CANAL REUBICADO



ESTUDIO DEFINITIVO DEL PROYECTO REHABILITACION
Y MEJORAMIENTO DE LA CARRETERA RIO SECO
ELAHORCADO - SAYAN



Ing. Pedro Villafani Vivas
ESP. HIDROLOGIA E HIDRAULICA
C.I.P. 30021

ESTUDIO DEFINITIVO DEL PROYECTO REHABILITACION
Y MEJORAMIENTO DE LA CARRETERA RIO SECO
EL AHORCAJO, SAYAN
Huerto
Ing. Hilario Huerta Olivera
JEFE DE ESTUDIO
C.I.P. 43862