

MC 1.20 x 1.40
REEMPLAZA A EXISTENTE
ESV. 255°

PLANTA
ESC. 1/150

SALIDA

ENTRADA

ENTRADA CON CANAL DE CONCRETO ARMADO $f'c=210$

ENTRADA DE CANAL DE CONCRETO ARMADO $f'c=210$

PERFIL
ESC. 1/150

MURO CABEZAL H=2.55m

MURO CABEZAL H=2.55m

ENTRADA CON CANAL DE CONCRETO ARMADO $f'c=210$

VIENE ZANJA DE RIEGO DESDE ANDAHUASI

ENTRADA DE CANAL DE CONCRETO ARMADO $f'c=210$

Pendiente = 1%
Longitud = 9.91
C.E. = 501.476
C.S. = 501.377

C.Terreno = 502.63
C.Rasante = 503.19

SECCIÓN A-A
ESC. 1/100

CANAL DE CONCRETO ARMADO $f'c=210$

SOLADO

VER DETALLE EN LAMINA DA-05

PLANTA
ESC. 1/150

TMC ϕ 36"
PROYECTADA
ESV. 255*

SALIDA
EMBOQUILLADO
e=0.20m

ENTRADA
EMBOQUILLADO
e=0.20m

PERFIL
ESC. 1/150

MURO CABEZAL
H=3.5m

MURO CABEZAL
H=3.5m

Pendiente = 1%
Longitud = 9.72
C.E. = 504.920
C.S. = 504.822

EMBOQUILLADO
e=0.20m

EMBOQUILLADO
e=0.20m

CS

SE

CTerreno = 506.98
CRasante = 507.78

SECCIÓN A-A
ESC. 1/100

TERRENO NATURAL
COMPACTADO

EMBOQUILLADO
e=0.20m

VER DETALLE EN LAMINA DA-15

TMC ϕ 36"
PROYECTADA
ESV. 255*

PLANTA
ESC. 1/150

ENTRADA

SALIDA

PERFIL
ESC. 1/150

Pendiente = 1%
Longitud = 9.72
C.E. = 511.420
C.S. = 511.338

C.Terreno = 512.52
C.Rasante = 513.00

SECCIÓN A-A
ESC. 1/100

TERRENO NATURAL
COMPACTADO

EMBOQUILLADO
e=0.20m

VER DETALLE EN LAMINA DA-15

TMC ϕ 36"
PROYECTADA
ESV. 255°

PLANTA
ESC. 1/150

The plan view shows two culverts, labeled 'SALIDA' (exit) and 'ENTRADA' (entrance), separated by a distance of 9.72m. Each culvert has a width of 1.80m and a length of 5.00m. The culverts are surrounded by embankments with a height of 2.44m and a width of 2.44m. The embankments are reinforced with 'EMBOQUILLADO' (ribs) with a spacing of $e=0.20m$. The culverts are connected by a 'EJE DE VIA' (road axis) with a width of 0.90m. The culverts are shown in plan view with dimensions and labels.

PERFIL
ESC. 1/150

The profile view shows the cross-section of the culverts and surrounding embankments. The culverts are shown in profile with a height of 2.50m and a width of 1.80m. The embankments are shown in profile with a height of 2.44m and a width of 2.44m. The culverts are connected by a 'EJE DE VIA' (road axis) with a width of 0.90m. The culverts are shown in profile view with dimensions and labels.

MURO CABEZAL
H=2.5m

4.24

4.24

MURO CABEZAL
H=2.5m

Pendiente = 1%
Longitud = 9.72
C.E. = 517.392
C.S. = 516.295

EMBOQUILLADO
 $e=0.20m$

CS

5%

CE

EMBOQUILLADO
 $e=0.20m$

C.Terreno = 518.58
C.Rasante = 518.82

SECCIÓN A-A
ESC. 1/100

Section A-A shows the cross-section of the culverts and surrounding embankments. The culverts are shown in section with a height of 0.90m and a width of 0.90m. The embankments are shown in section with a height of 0.45m and a width of 0.20m. The culverts are connected by a 'EJE DE VIA' (road axis) with a width of 0.90m. The culverts are shown in section view with dimensions and labels.

0.20

0.45

0.20

0.90

0.90

EMBOQUILLADO
 $e=0.20m$

TERRENO NATURAL
COMPACTADO

VER DETALLE EN LAMINA DA-15

The technical drawing consists of three main parts:

- PLANTA**: A top-down view of the drainage structure. It shows two rectangular openings labeled "SALIDA" (Output) and "ENTRADA" (Entrance). The central channel has a width of 0.70m and a depth of 1.95m. The total width of the structure is 1.70m. The distance between the centers of the openings is 9.30m. The structure is surrounded by a concrete slab (EMBOQUILLADO) with a thickness of e=0.20m.
- PERFIL**: A side elevation view showing the profile of the drainage structure. It includes a cross-section of the channel with a width of 0.70m and a depth of 1.95m. The structure is supported by a concrete wall (MURO CABEZAL) with a height H=2.0m. The ground level is indicated by a red line. The profile shows a slight slope of 5% towards the right. The structure is surrounded by a concrete slab (EMBOQUILLADO) with a thickness of e=0.20m.
- SECCIÓN A-A**: A cross-sectional view of the drainage structure. It shows a trapezoidal channel with a bottom width of 0.70m and a top width of 1.40m. The height of the channel walls is 0.20m. The structure is surrounded by a concrete slab (EMBOQUILLADO) with a thickness of e=0.20m. The ground level is indicated by a red line.

Additional information provided in the drawing includes:

- MC 0.70 x 0.70
- REEMPLAZA A EXISTENTE
- ESV. 270°
- ESC. 1/150
- ESC. 1/100
- Pendiente = 1%
- Longitud = 9.30
- C.F. = 523.943
- C.S. = 523.851
- CTerreno = 524.82
- CRasante = 525.44

VER DETALLE EN LAMINA DA-01

MC 0.70 x 0.70

REEMPLAZA A EXISTENTE

ESV. 270°

PLANTA

ESC. 1/150

SALIDA

ENTRADA

EJE DE VIA

EMBOQUILLADO e=0.20m

EMBOQUILLADO e=0.20m

PERFIL

ESC. 1/150

MURO CABEZAL H=2.0m

MURO CABEZAL H=2.0m

Pendiente =1%
Longitud =9.30
C.E. = 528.887
C.S. = 528.797

EMBOQUILLADO e=0.20m

EMBOQUILLADO e=0.20m

CS

SE

CE

Terreno =529.57
CRasante =529.94

SECCIÓN A-A

ESC. 1/100

TERRENO NATURAL COMPACTADO

EMBOQUILLADO e=0.20m

ESTUDIO DEFINITIVO DEL PROYECTO REHABILITACION Y MEJORAMIENTO DE LA CARRETERA SECO ELAMERZADO - SARAY

Ing. Pedro Villafani Vivares
IBP: HIDROLOGIA E HIDRAULICA
C.I.P. 30021

ESTUDIO DEFINITIVO DEL PROYECTO REHABILITACION Y MEJORAMIENTO DE LA CARRETERA SECO ELAMERZADO - SARAY

Ing. Hilario Huerta Chivari
JEFE DE ESTUDIO
C.I.P. 43202

VER DETALLE EN LAMINA DA-01

TMC=TUBERIA METÁLICA CORRUGADA SIMPLE
CE=COTA DE ENTRADA
CS=COTA DE SALIDA
S%=PENDIENTE