

CORTE D-D
ESC. 1:25

The diagram illustrates a cross-section of a wastewater treatment process involving biological treatment and sedimentation.

- Aeration Tank (Lagoa de Maturação):** The upper right section shows a sloped bottom with a stone masonry wall (**MURO DE ALVENARIA DE PEDRA**). It features a variable width (**VARIÁVEL**) and a minimum width of 1.00m (**VARIÁVEL NÍMIMO=1,00**). The water level is indicated by **NA_s=10,60**. A vertical dimension of 0.70m is shown for the top layer.
- Sedimentation Tank:** Below the aeration tank, there is a rectangular settling tank with a brick wall. The bottom is at elevation **FUNDO=8,10**. It includes a sludge return pipe labeled **DN 100** and **(03)**.
- Sludge Return System:** A horizontal pipe connects the sedimentation tank to a receiving body (**P/ CORPO RECEPTOR**). This pipe has a diameter of **DN 100** and is located at a depth of **FUNDO=8,10**. A vertical riser pipe also originates from this point, passing through the aeration tank's bottom.
- Structural Details:** A concrete slab (**VERTEDEIRO REGULAVEL**) is shown at the top left, supported by a wooden beam (**MADEIRA DE LEI**). A vertical dimension of 0.40m is noted near the base of the aeration tank wall.
- Other Labels:**
 - LAGOA DE MATURAÇÃO**: Label for the aeration tank area.
 - MAT. ARGILOSO**: Clayey material layer below the sedimentation tank.
 - FUNDO=9,10**: Elevation of the bottom of the clayey material layer.
 - NT=9,00**: Normal water level elevation.
 - COQAM=11,10**: Elevation of the Coqueamento (sludge thickening) area.

Technical drawing of a cross-section (CORTE E-E) of a wastewater treatment facility. The drawing shows a 'LAGOA FACULTATIVA' (facultative lagoon) on the left, a 'MURO DE ALVENARIA DE PEDRA' (stone masonry wall) in the center, and a 'FUNDO' (bottom) on the right. Key features include a 'TUBO PVC DN 100' (100mm PVC pipe) and a 'MAT. ARGILOSO' (clay material) layer. Dimensions are provided for various components, including a 'COROAM=11,30' (corrugated metal) section, a 'NA=10,80' (normal water level) marker, and a 'FUNDO=9,00' (bottom level) marker. The drawing is labeled 'CORTE E-E' and 'ESC. 1:25'.

Technical drawing of a cross-section (CORTE F-F) of a wastewater treatment plant. The drawing shows a rectangular tank with a total width of 2.00m and a total height of 1.50m. The tank is divided into three horizontal sections: a top section labeled 'COROAM.=11,10' with a height of 0.50m, a middle section labeled 'LAGOA DE MATURAÇÃO' with a height of 1.50m, and a bottom section labeled 'FUNDO=9,10' with a height of 0.50m. The bottom section is filled with 'MAT. ARGILOSO'. The right side of the tank is a 'MURO DE ALVENARIA DE PEDRA' (stone masonry wall) with a height of 1.50m. The wall is 0.25m thick at the top and 0.20m thick at the bottom. The bottom section is 0.30m high. The total width of the tank is 2.00m, and the total height is 1.50m. The drawing includes a scale bar for 0, 50, and 100 units.

CORTE G-G
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DETALHE DA ENTRADA NA LAGOA FACULTATIVA

PILARETES 30X20

BLOCO DE CONCRETO SIMPLES
0,60x0,60x0,30

04

Tubo PVC DN 100

11,30

0,60

10,80

0,80

ENTRADA DN 100 VEM DA EE FINAL

03 02 01

DISCRIMINAÇÃO DOS MATERIAIS	DN	QUANT.
ADAPTADOR JGS/KLIK/SOZ	100x100	01
CURVA 90° COM BOLSAS	100	08
TUBO CILÍNDRICO FºFº	100	10,50m
TUBO PONTA E BOLSA PVC	100	32,00m
TUBO PONTA BOLSA FºFº	100	60,00m

PLANTA
ESC. 1:25

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ITEM	DISCRIMINAÇÃO DOS MATERIAIS	DN	QUANT.
01	ADAPTADOR JGS/KLIKSOZ	100x100	01
02	CURVA 90º COM BOLSAS	100	08
03	TUBO CILÍNDRICO Fºº	100	10,50m
04	TUBO PONTA E BOLSA PVC	100	32,00m
05	TUBO PONTA BOLSA Fºº	100	60,00m