

### - ESCAVAÇÃO

TUBO  $\phi$  1,00m:

$$240m \times 250m \times 155m = 930m^3$$

TUBO  $\phi$  1,50m:

$$3,00m \times 3,10m \times 339,50m = 3.157,35m^3$$

TUBO  $\phi$  0,60m:

$$1,90m \times 1,60m \times 14,00m \times 29 = 1.234m^3$$

5.321m<sup>3</sup>

REV. 2

REV. 1.

OBS.

AS LARGURAS DE VALA NÃO FORAM AJUSTADAS EM FUNÇÃO DO ESCORAMENTO REVISADO.

### - ATERRO

TUBO  $\phi$  1,00m:

$$240m \times 1,60m \times 155m = 595,20m^3$$

TUBO  $\phi$  1,50m:

$$3,00m \times 1,90m \times 339,50m = 1.935,15m^3$$

TUBO  $\phi$  0,60m:

$$1,90m \times 0,96m \times 14,00m \times 29 = 740,54m^3$$

3271m<sup>3</sup>

REV. 1

### - ESCORAMENTO

TUBO  $\phi$  1,00m:

$$2,50m \times 155m \times 2 = 775m^2 \text{ (DESCONTINUO)}$$

TUBO  $\phi$  1,50m:

$$3,10m \times 339,50m \times 2 = 2.104,90m^2$$

METÁLICO  
744m<sup>2</sup>

1361m<sup>2</sup>  
CONTINUO

REV. 1

TUBO  $\phi$  0,60m:

$$1,60m \times 14,00m \times 2 \times 29 = 143,40m^2 \text{ (DESCONTINUO)}$$

$$\text{TOTAL} = \text{DESCONTINUO} \rightarrow 919m^2$$

$$\text{CONTINUO} \rightarrow 1361m^2$$

$$\text{METÁLICO} \rightarrow 744m^2$$

### - AREIA

TUBO  $\phi$  4,00m:

$$2,40m \times 0,30m \times 155m = 111,6m^3$$

TUBO  $\phi$  1,50m:

$$3,00m \times 0,30m \times 339,50m = 305,55m^3$$

TUBO  $\phi$  0,60m:

$$1,90m \times 0,30m \times 47m = 26,80m^3$$

$$\Sigma = 444m^3 \quad \text{REV. 2}$$

### - PACA

TUBO  $\phi$  1,00m:

$$2,40m \times 0,15m \times 155m = 55,8m^3$$

TUBO  $\phi$  1,50m:

$$3,00m \times 0,15m \times 339,5m = 152,80m^3$$

$$\Sigma = 209m^3 \quad \text{REV. 2}$$

### - BRITA

TUBO  $\phi$  1,00m:

$$2,40m \times 0,15m \times 155m = 55,80m^3$$

TUBO  $\phi$  1,50m:

$$3,00m \times 0,15m \times 339,50m = 152,80m^3$$

TUBO  $\phi$  0,60m:

$$1,90m \times 0,15m \times 14,00m \times 29 = 115,70m^3$$

$$324m^3 \quad \text{REV. 2}$$

### - MANTA GEOTEXTIL

TUBO  $\phi$  4,00m:

$$155m \div 1,50m = 104un. \times 4,30m \times 0,80m = 357,80m^2$$

TUBO  $\phi$  1,50m:

$$339,50m \div 1,50m = 227un. \times 6,15m \times 0,80m = 1.116,85m^2$$

TUBO  $\phi$  0,60m:

$$406m \div 1,50m = 271un. \times 2,75m \times 0,80m = 596,40m^2$$

$$2071m^2 \quad \text{REV. 2}$$

### BINDER

TUBO  $\phi$  400m:

$$3,40m \times 155m \times 0,07m \times 1,8 = 66,40T$$

TUBO  $\phi$  150m:

$$4,00m \times 339,5m \times 0,07m \times 1,8 = 17,11T$$

TUBO  $\phi$  0,60m:

$$2,90m \times 14m \times 29 \times 0,07m \times 1,8 = 148,35T$$

$$\boxed{386T} \quad \text{REV. 2}$$

### IMPRIMAÇÃO

TUBO  $\phi$  1,00m:

$$3,40m \times 155m = 527m^2$$

TUBO  $\phi$  150m:

$$4,00m \times 339,5m = 1.358m^2$$

TUBO  $\phi$  0,60m:

$$2,90m \times 14,00m \times 29 = 1.177,4m^2$$

$$\boxed{3.062m^2} \quad \text{REV. 2}$$

### CAPA DE ROLAMENTO

$$3.062m^2 \times 0,05m \times 1,8 = \boxed{276T}$$

REV. 2

### BRITA

$$3.062m^2 \times 0,12m = \boxed{367m^3} \quad \text{REV. 2}$$

### CARGA CONCRETO ASFALTICO

$$3.062m^2 \times 0,05m = \boxed{153m^3} \quad \text{REV. 2}$$

### CARGA BINDER

$$3.062m^2 \times 0,07m = \boxed{214m^3} \quad \text{REV. 2}$$



- PV TIPO 1

3 un. ✓

- PV TIPO 3

7 un. ✓

- BL DUPLA

29 un. / REV. 2

- TUBO  $\phi$  1,00m

155m ✓

- TUBO  $\phi$  1,50m

339m ✓

- TUBO  $\phi$  0,60m

14,00m x 29 = 406m / REV. 2

- TAMPÃO FcFc

40 un. ✓

- ESCOTAMENTO

REV. 2

4 MESES x 20 DIAS x 6h = 480h