

- ESCAVAÇÃO

TUBO ϕ 1,20m:

$$2,65m \times 2,90m \times 298m = 2.290,10m^3$$

TUBO ϕ 0,60m: (7,90+8,40+3,65+6,65+9,90+10,50 = 47m)

$$1,90m \times 1,60m \times 47m = 143 m^3 \quad \text{REV2}$$

$$\boxed{2.433m^3}$$

REV2

- ATERRO:

TUBO ϕ 1,20m:

$$2,65m \times 1,70m \times 298m = 1.342,50m^3$$

TUBO ϕ 0,60m:

$$1,90m \times 0,96m \times 47m = 86 m^3 \quad \text{REV2}$$

$$\boxed{1.428m^3}$$

REV2

- ESCOPAMENTO

TUBO ϕ 1,20m:

$$2,90m \times 298m \times 2 = 1.728,40m^2$$

$$\text{CONTÍNUO} = 1380m^2$$

$$\text{METALUO} = 348m^2$$

TUBO ϕ 0,60m:

$$1,60m \times 47m \times 2 = 150m^2 \quad \text{DESCONTÍNUO} \quad \text{REV2}$$

REV1

- AREIA

TUBO ϕ 1,20m:

$$2,65m \times 0,30m \times 298m = 236,90m^3$$

TUBO ϕ 0,60m:

$$1,90m \times 0,30m \times 47m = 27m^3$$

$$\boxed{264m^3}$$

REV2

- BATA

TUBO ϕ 1,20m:

$$2,65m \times 0,45m \times 298m = 148,45m^3$$

TUBO ϕ 0,60m:

$$1,90m \times 0,45m \times 47m = 13,40m^3$$

$$\boxed{132m^3}$$

REV 2

RACHÃO =

$$298 \times 0,15 \times 2,65 =$$

$$119m^3$$

- MANTA GEOTEXTIL

TUBO ϕ 1,20m:

$$298m \div 1,50m = 199un. \times 5,00m \times 0,80m = 796m^2$$

TUBO ϕ 0,60m:

$$47m \div 1,50m = 32un. \times 2,75m \times 0,80m = 70,4m^2$$

$$\boxed{866m^2}$$

REV 2

- BINDER

TUBO ϕ 1,20m:

$$3,65m \times 298m \times 0,07m \times 1,8 = 137T$$

TUBO ϕ 0,60m:

$$2,90m \times 47m \times 0,07m \times 1,8 = 17T$$

$$\boxed{154T}$$

REV 2

- IMPRIMAÇÃO

TUBO ϕ 1,20m:

$$3,65m \times 298m = 1.087,70m^2$$

TUBO ϕ 0,60m:

$$2,90m \times 47m = 136,3m^2$$

$$\boxed{1.224m^2}$$

REV 2

CAPA DE ROLAMENTO

TUBO ϕ 1,20m:

$$365m \times 298m \times 0,05m \times 1,8 = 97,9T$$

TUBO ϕ 0,60m:

$$2,90m \times 47m \times 0,05m \times 1,8 = 12,3T$$

110T

REV. 2

BRITA

$$1.224m^2 \times 0,12m = 147m^3$$

REV 2

CARGA CONCRETO ASFÁLTICO

$$1.224m^2 \times 0,05m = 61m^3$$

REV 2

CARGA BINDER

$$1.224m^2 \times 0,07m = 86m^3$$

REV 2

PV TIPO 2

6un.

BL DUPLA

6un.

REV 2

TUBO ϕ 1,20m

298m

TUBO ϕ 0,60m

47m

REV 2

TAMPÃO FoFo

6un.

ESGOTAMENTO REV. 2

$$3 \text{ MESES} \times 20 \text{ DIAS} \times 6h = 360h$$