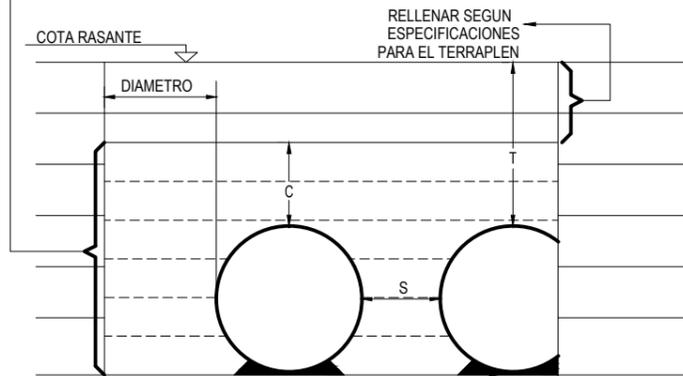


INSTRUCCIONES PARA LA INSTALACION

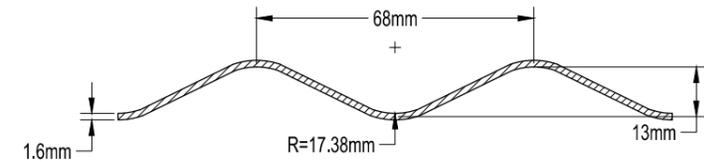
RELLENAR Y APISONAR UNIFORMEMENTE A AMBOS LADOS DEL CAÑO AL MISMO TIEMPO EN CAPAS DE 15cm, DE ESPESOR, COMPACTANDO A UN MINIMO DE 95% DE DENSIDAD AASHTO T-180.



$$e = \frac{\text{DIAM.}}{5} \quad \text{PARA DIAMETRO} > 1.00\text{m.}$$

$$e = 0.20\text{m.} \quad \text{PARA DIAMETRO} < 1.00\text{m.}$$

| DIAMETRO | SEPARACION MINIMA ENTRE CAÑOS (S) |
|-----------------|-----------------------------------|
| HASTA 0.60m | 0.30m |
| DE 0.60 A 1.20m | 1/2 DIAMETRO |

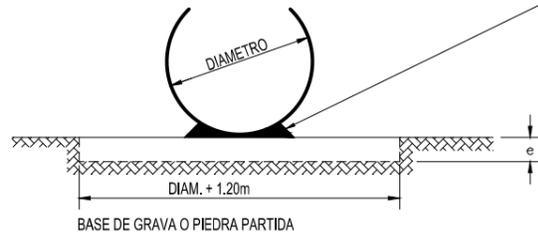


DIMENSIONES DE LA ONDULACION 68 x 13 mm

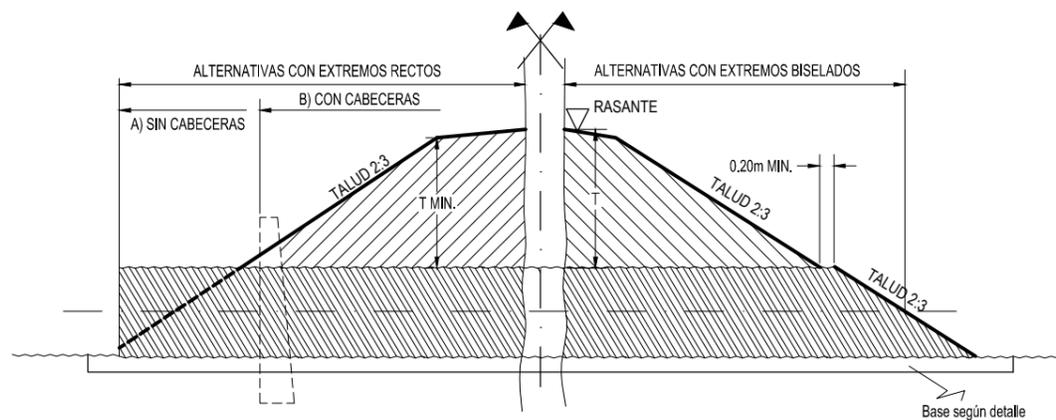
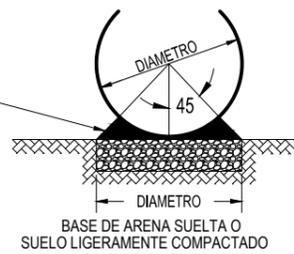
| DIAMETRO (m) | TAPADA MINIMA (C) | TAPADA MAXIMA (C) | |
|--------------|-------------------|-------------------|----------------|
| | | ESPESOR 1.60mm | ESPESOR 2.00mm |
| 0.30 | 0.30 | 75.50 | 94.50 |
| 0.40 | 0.30 | 60.00 | 75.50 |
| 0.50 | 0.30 | 43.50 | 54.20 |
| 0.60 | 0.30 | 37.80 | 47.20 |
| 0.70 | 0.30 | 31.50 | 39.20 |
| 0.80 | 0.30 | 28.20 | 33.90 |
| 0.90 | 0.30 | 25.30 | 31.40 |
| 1.00 | 0.30 | 21.64 | 26.80 |
| 1.10 | 0.30 | 19.80 | 24.30 |
| 1.20 | 0.30 | 18.90 | 23.50 |

ESTOS VALORES ESTAN CALCULADOS PARA CARGA VIVA TIPO A:30 DE LA D.N.V. Y ESTAN BASADOS EN QUE EL RELLENO SEA COMPACTADO A UN MINIMO DE 90% DE DENSIDAD AASHTO T-180.

1) FUNDACION SOBRE TERRENO APTO

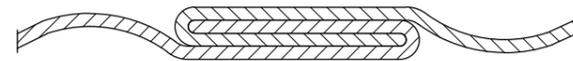


2) FUNDACION SOBRE TERRENO ROCOSO



CORTE LONGITUDINAL DE LA ESTRUCTURA

DETALLE DE LA UNION ENGRAFADA HELICOIDAL



BANDAS DE UNION

A= ANCHO 0.34m

