

PROYECTO: RECONSTRUCCION DE TRAMOS DE BORDO MARGEN IZQUIERDA Y MEJORAMIENTO DE  
CAUCE EN CANAL CAMPIN  
SECTOR CRUZ DE VALENCIA  
JURISDICCION DE LA LIMA, DEPTO. DE CORTES

TALUDES: 2:1

CORONA: 4.00 MTS

TRAMO # 1

|       |             |        |        | CORTE |        | SOBRELEVACION |        | RECONSTRUCCION , BORDO |                 |           |
|-------|-------------|--------|--------|-------|--------|---------------|--------|------------------------|-----------------|-----------|
| EST.  | ELEVACIONES |        |        | AREA  | VOL.   | AREA          | VOL.   | AREA                   | VOL.            | VOL. ACUM |
| KMS   | INV.        | T.N.   | RAS.   | M2    | M3     | M2            | M3     | M2                     | M3              | M3        |
| 0+000 | 98.50       | 100.03 | 101.00 | 10.42 | 0.00   | 12.72         | 0.00   | 23.14                  | 0.00            | 0.00      |
| 0+020 | 98.50       | 99.96  | 101.00 | 9.17  | 195.84 | 22.99         | 357.09 | 32.16                  | 552.93          | 552.93    |
| 0+040 | 98.50       | 99.90  | 101.00 | 8.60  | 177.66 | 24.11         | 471.03 | 32.71                  | 648.69          | 1,201.62  |
| 0+060 | 98.50       | 99.55  | 101.00 | 6.28  | 148.80 | 27.68         | 517.88 | 33.96                  | 666.68          | 1,868.30  |
| 0+080 | 98.50       | 99.64  | 101.00 | 7.21  | 134.85 | 26.87         | 545.48 | 34.08                  | 680.33          | 2,548.64  |
| 0+100 | 98.50       | 99.74  | 101.00 | 6.62  | 138.29 | 21.02         | 478.96 | 27.65                  | 617.24          | 3,165.88  |
| 0+120 | 98.50       | 99.95  | 101.00 | 9.35  | 159.75 | 21.71         | 427.37 | 31.06                  | 587.12          | 3,753.00  |
| 0+140 | 98.50       | 99.64  | 101.00 | 6.68  | 160.28 | 26.08         | 477.96 | 32.76                  | 638.24          | 4,391.24  |
| 0+160 | 98.50       | 99.82  | 101.00 | 8.29  | 149.62 | 23.22         | 493.04 | 31.51                  | 642.65          | 5,033.89  |
| 0+180 | 98.50       | 99.68  | 101.00 | 6.78  | 150.64 | 27.04         | 502.57 | 33.82                  | 653.21          | 5,687.10  |
| 0+200 | 98.50       | 99.59  | 101.00 | 5.99  | 127.66 | 28.82         | 558.57 | 34.81                  | 686.23          | 6,373.33  |
| 0+220 | 98.50       | 99.60  | 101.00 | 5.94  | 119.30 | 28.80         | 576.20 | 34.74                  | 695.50          | 7,068.82  |
| 0+240 | 98.50       | 99.92  | 101.00 | 9.36  | 153.00 | 21.25         | 500.49 | 30.61                  | 653.49          | 7,722.32  |
| 0+260 | 98.50       | 100.18 | 101.00 | 11.17 | 205.30 | 18.43         | 396.78 | 29.60                  | 602.08          | 8,324.40  |
| 0+270 | 98.50       | 100.11 | 101.00 | 10.63 | 108.99 | 19.05         | 187.42 | 29.68                  | 296.41          | 8,620.80  |
| 0+280 | 98.50       | 100.08 | 101.00 | 10.36 | 105.03 | 19.31         | 192.17 | 29.66                  | 297.20          | 8,918.00  |
|       |             |        |        |       |        |               |        | CORTE                  | 2,235.00        | M3        |
|       |             |        |        |       |        |               |        | SOBRELEVACION          | 6,683.00        | M3        |
|       |             |        |        |       |        |               |        | <b>VOL. TOTAL</b>      | <b>8,918.00</b> | <b>M3</b> |

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SECTOR CRUZ DE VALENCIA  
JURISDICCION DE LA LIMA, DEPTO. DE CORTES

TALUDES: 2:1

CORONA: 4.00 MTS

TRAMO # 2

CANAL  
PLANTILLA: 6.00 mts

|       |             |        |        | CORTE |        | SOBRELEVACION |        | RECONSTRUCCION , BORDO |           |           | taludes: 1 /1 |       |        |
|-------|-------------|--------|--------|-------|--------|---------------|--------|------------------------|-----------|-----------|---------------|-------|--------|
| EST.  | ELEVACIONES |        |        | AREA  | VOL.   | AREA          | VOL.   | AREA                   | VOL.      | VOL. ACUM | EST.          | AREA  | VOL.   |
| KMS   | INV.        | T.N.   | RAS.   | M2    | M3     | M2            | M3     | M2                     | M3        | M3        | KMS           | M2    | M3     |
| 0+000 | 98.50       | 100.46 | 101.00 | 14.04 | 0.00   | 19.02         | 0.00   | 33.06                  | 0.00      | 0.00      |               |       |        |
| 0+020 | 98.50       | 100.18 | 100.98 | 14.20 | 282.46 | 14.50         | 335.19 | 28.70                  | 617.65    | 617.65    | 0+020         | 13.60 | 0.00   |
| 0+040 | 98.50       | 100.07 | 100.95 | 9.46  | 236.60 | 26.33         | 408.27 | 35.78                  | 644.86    | 1,262.51  | 0+040         | 14.79 | 283.86 |
| 0+060 | 98.50       | 99.93  | 100.93 | 7.96  | 174.17 | 28.73         | 550.53 | 36.69                  | 724.71    | 1,987.22  | 0+060         | 24.02 | 388.10 |
| 0+080 | 98.50       | 99.55  | 100.90 | 5.40  | 133.63 | 34.08         | 628.01 | 39.48                  | 761.64    | 2,748.86  | 0+080         | 14.78 | 388.00 |
| 0+100 | 98.50       | 99.14  | 100.88 | 1.84  | 72.37  | 43.54         | 776.16 | 45.38                  | 848.53    | 3,597.39  | 0+100         | 17.35 | 321.30 |
| 0+120 | 98.50       | 98.54  | 100.85 | 1.02  | 28.51  | 43.02         | 865.56 | 44.03                  | 894.07    | 4,491.46  | 0+120         | 35.63 | 529.80 |
| 0+140 | 98.50       | 99.43  | 100.83 | 3.29  | 43.02  | 44.25         | 872.61 | 47.53                  | 915.63    | 5,407.09  | 0+140         | 38.27 | 739.00 |
| 0+160 | 98.50       | 99.47  | 100.80 | 3.92  | 72.07  | 44.06         | 883.08 | 47.98                  | 955.15    | 6,362.23  | 0+160         | 32.24 | 705.10 |
| 0+180 | 98.50       | 99.70  | 100.78 | 6.39  | 103.06 | 32.63         | 766.95 | 39.02                  | 870.01    | 7,232.24  | 0+180         | 22.39 | 546.84 |
| 0+200 | 98.50       | 99.75  | 100.75 | 6.79  | 131.74 | 26.63         | 592.62 | 33.42                  | 724.36    | 7,956.60  |               |       |        |
| 0+220 | 98.50       | 99.82  | 100.73 | 7.17  | 139.62 | 24.53         | 511.62 | 31.71                  | 651.24    | 8,607.84  |               |       |        |
| 0+240 | 98.50       | 99.74  | 100.70 | 6.93  | 141.04 | 24.00         | 485.36 | 30.93                  | 626.39    | 9,234.24  |               |       |        |
| 0+260 | 98.50       | 99.48  | 100.68 | 5.04  | 119.66 | 27.07         | 510.72 | 32.11                  | 630.38    | 9,864.62  |               |       |        |
| 0+270 | 98.50       | 99.57  | 100.66 | 5.39  | 52.15  | 27.13         | 270.99 | 32.52                  | 323.13    | 10,187.75 |               |       |        |
| 0+280 | 98.50       | 99.62  | 100.65 | 5.57  | 54.92  | 26.41         | 267.33 | 31.98                  | 322.25    | 10,510.00 |               |       |        |
|       |             |        |        |       |        |               |        | CORTE                  | 1,785.00  | M3        |               |       |        |
|       |             |        |        |       |        |               |        | SOBRELEVACION          | 8,725.00  | M3        |               |       |        |
|       |             |        |        |       |        |               |        | VOL. TOTAL             | 10,510.00 | M3        |               |       |        |
|       |             |        |        |       |        |               |        | CANAL NUEVO            | 3,902.00  | M3        |               |       |        |

3,902.00