

### CROQUIS DE LOCALIZACIÓN



### DATOS DE PROYECTO

GEOMETRIA

Ancho de Calzada \_\_\_\_\_ VARIABLE

Bombazo Transversal \_\_\_\_\_ 2.00 %

Tipo de Pavimento \_\_\_\_\_ Rígido

Concreto h.c.a. F'c=250 kg/cm<sup>2</sup>

PAYMENTO

Espesor de Concreto H.c.a. \_\_\_\_\_ 15 cm

Espesor de Base H.c.a. \_\_\_\_\_ 20 cm

Espesor de Sub Base H.c.a. \_\_\_\_\_ 0.00 cm

Confinamiento \_\_\_\_\_

Guarnición de concreto \_\_\_\_\_

## SIMBOLOGÍA

[illegible]

uso. **SECRETARIA DE INVESTIMENTOS E DE INFRA-ESTRUTURA**  
MARIA DO CARMO VASCONCELOS  
Vice-Presidente do Conselho  
12.14. 10  
**VALIDA**  
ASO. VIOLETA ARI DE AGENCIAZ (GRUPO) / P. I.  
Direção de Produção  
Visto: **DR. DAVID ALVARADO JARINEZ**  
Vice-Presidente do Conselho Executivo e

SECRETARÍA DE INFRAESTRUCTURA

MTA. ANAKAREN GOMEZ ZUART  
Secretaría de Infraestructura

ARQ. MARCO ANTONIO CONSTANTINO VERA  
Subsecretario de Desarrollo Urbano y Proyectos

ARQ. VIOLETA AURORA GONZÁLEZ GERARDO  
Directora de Proyectos

PAYMENTACIÓN DE LA CALLE PRINCIPAL DESDE LA AV. IGNACIO ZARAGOZA CAD. KM 0+000 AL CAD. KM. 0+440 EN LA CABECERA MUNICIPAL DE CHANAL (CONSTRUCCIÓN)

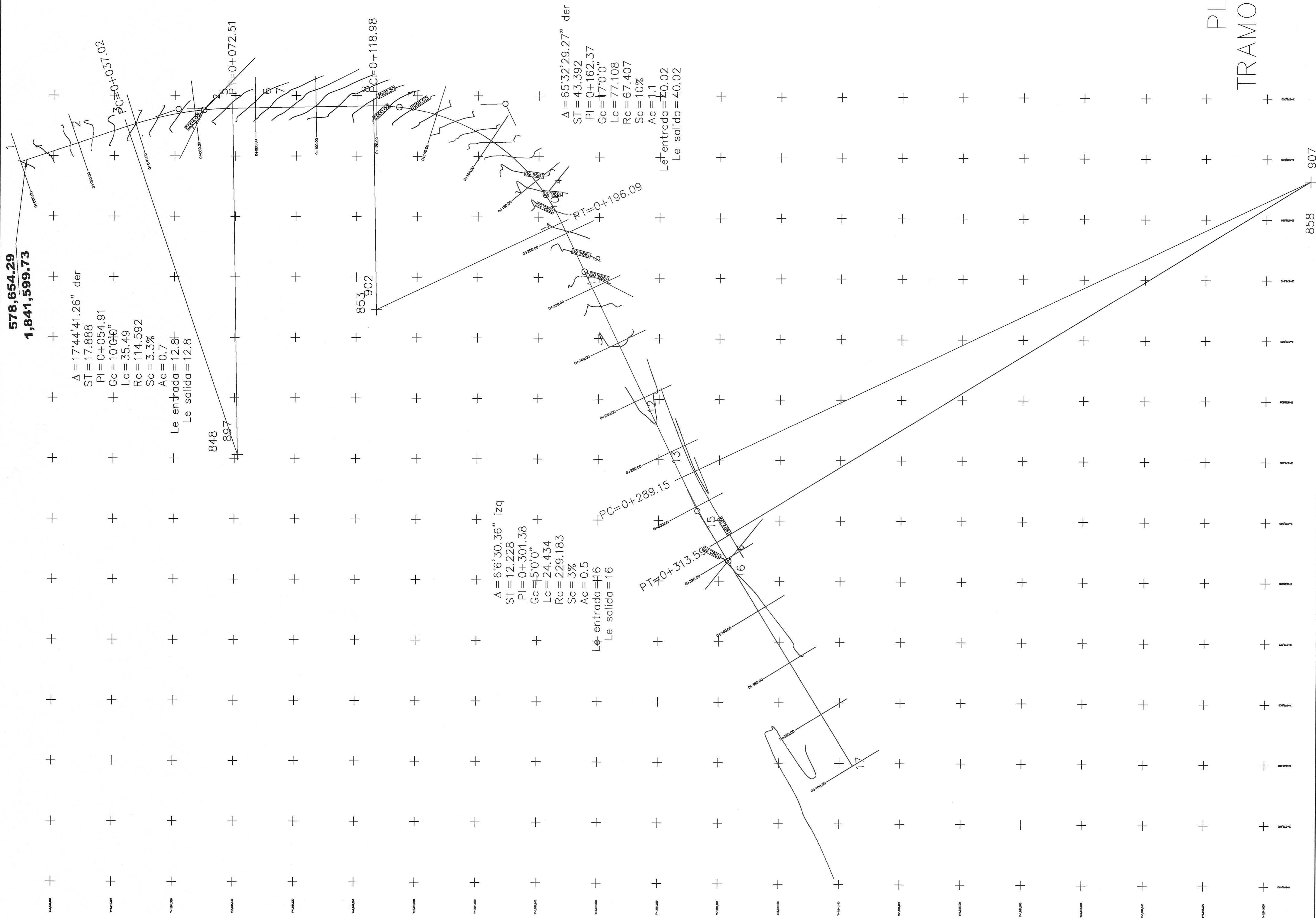
|           |                 |
|-----------|-----------------|
| CHANA I   | CHANA I CHIAPAS |
| MUNICIPIO |                 |

PIANTA TOROGRÁFICA (1 DE 2)

| ESCALA                                                                                                                                                                                                                                                                                                | NOTACIÓN |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 |          |

| CUADRO DE CONSTRUCCION |     |     |                      |           |     |                       |                |  |   |
|------------------------|-----|-----|----------------------|-----------|-----|-----------------------|----------------|--|---|
| LADO                   | EST | PV  | RUMBO                | DISTANCIA | V   | C O O R D E N A D A S |                |  |   |
|                        |     |     |                      |           |     | X                     |                |  | Y |
| 1                      | 1   | 2   | S 18°44'47.01" E     | 22.867    | 2   | 1,641,576.7300        | 578,661.9300   |  |   |
| 2                      | 1   | 3   | S 18°44'47.01" E     | 14.158    | 3   | 1,641,576.0769        | 578,666.1290   |  |   |
| 3                      | 5   | 3   | S 0°52'38.38" E      | 35.346    | 5   | 1,641,530.8451        | 578,577.2500   |  |   |
|                        |     |     | CENTRO DE CURVA      |           |     | 887                   | 1,641,327.8420 |  |   |
|                        |     |     | DELTA = 17°44'41.26" |           |     |                       |                |  |   |
|                        |     |     | RADIO = 114.592      |           |     | SUBTAN = 17.688       |                |  |   |
| 5                      | 6   | 5   | S 07°00'05.75" E     | 14.158    | 6   | 1,641,515.6887        | 578,672.4980   |  |   |
| 6                      | 7   | 8   | S 07°00'05.75" E     | 4.300     | 7   | 1,641,511.3806        | 578,672.9732   |  |   |
| 7                      | 8   | 9   | S 07°00'05.75" E     | 28.014    | 8   | 1,641,483.3809        | 578,673.9529   |  |   |
|                        |     |     | CENTRO DE CURVA      |           |     | 10                    | 1,641,421.3421 |  |   |
|                        |     |     | DELTA = 17°44'41.26" |           |     | 802                   | 1,641,482.2028 |  |   |
|                        |     |     | RADIO = 114.592      |           |     | SUBTAN = 17.688       |                |  |   |
| 10                     | 11  | 10  | S 6°42'33.52" W      | 28.014    | 11  | 1,641,409.2933        | 578,609.3500   |  |   |
| 11                     | 12  | 12  | S 6°42'33.52" W      | 46.933    | 12  | 1,641,386.3599        | 578,587.4711   |  |   |
| 12                     | 13  | 13  | S 6°42'33.52" W      | 18.687    | 13  | 1,641,381.3354        | 578,550.8173   |  |   |
| 13                     | 15  | 15  | S 6°42'33.52" W      | 24.422    | 15  | 1,641,369.8788        | 578,520.1764   |  |   |
|                        |     |     | CENTRO DE CURVA      |           |     | 907                   | 1,641,374.0095 |  |   |
|                        |     |     | DELTA = 0°51'38.38"  |           |     |                       | 578,641.1362   |  |   |
|                        |     |     | RADIO = 228.183      |           |     | SUBTAN = 12.228       |                |  |   |
| 15                     | 15  | 15  | S 8°52'33.16" W      | 18.687    | 16  | 1,641,359.9044        | 578,513.2333   |  |   |
| 16                     | 17  | 17  | S 8°52'33.16" W      | 74.445    | 17  | 1,641,320.9310        | 578,449.8250   |  |   |
| 17                     | 18  | 18  | S 8°52'33.16" W      | 19.166    | 18  | 1,641,310.9529        | 578,432.9837   |  |   |
| 18                     | 20  | 20  | S 8°53'38.45" W      | 41.916    | 20  | 1,641,295.5699        | 578,394.1937   |  |   |
|                        |     |     | CENTRO DE CURVA      |           |     | 912                   | 1,641,408.2165 |  |   |
|                        |     |     | DELTA = 17°59'54.94" |           |     |                       | 578,372.9929   |  |   |
|                        |     |     | RADIO = 143.594      |           |     | SUBTAN = 14.648       |                |  |   |
| 20                     | 21  | 21  | S 7°02'19.75" W      | 19.166    | 21  | 1,641,291.9457        | 578,374.7334   |  |   |
| 21                     | 22  | 22  | S 7°02'19.75" W      | 22.919    | 22  | 1,641,287.8408        | 578,350.1246   |  |   |
| 22                     | 23  | 23  | S 7°02'19.75" W      | 14.133    | 23  | 1,641,285.0884        | 578,336.2483   |  |   |
| 23                     | 25  | 25  | S 7°02'22.65" W      | 53.689    | 25  | 1,641,268.9890        | 578,286.4847   |  |   |
|                        |     |     | CENTRO DE CURVA      |           |     | 935                   | 1,641,269.5460 |  |   |
|                        |     |     | DELTA = 17°59'54.94" |           |     |                       | 578,306.3816   |  |   |
|                        |     |     | RADIO = 228.183      |           |     | SUBTAN = 17.122       |                |  |   |
| 25                     | 26  | 26  | S 6°51'26.50" W      | 14.833    | 26  | 1,641,262.8771        | 578,273.1561   |  |   |
| 26                     | 27  | 27  | S 6°51'26.50" W      | 166.752   | 27  | 1,641,194.6733        | 578,131.0489   |  |   |
| 27                     | 28  | 28  | S 6°51'26.50" W      | 14.158    | 28  | 1,641,188.8626        | 578,108.3027   |  |   |
| 28                     | 30  | 30  | S 6°51'26.49" W      | 68.975    | 30  | 1,641,180.8048        | 578,061.2842   |  |   |
|                        |     |     | CENTRO DE CURVA      |           |     | 922                   | 1,641,183.4506 |  |   |
|                        |     |     | DELTA = 14°42'58.84" |           |     |                       | 578,081.2912   |  |   |
|                        |     |     | RADIO = 143.594      |           |     | SUBTAN = 6.433        |                |  |   |
| 30                     | 31  | 31  | S 7°32'53.69" W      | 14.158    | 31  | 1,641,183.4258        | 578,068.3730   |  |   |
| 31                     | 32  | 32  | S 7°32'53.69" W      | 53.697    | 32  | 1,641,173.2558        | 577,973.3337   |  |   |
| 32                     | 33  | 33  | S 7°32'53.69" W      | 14.833    | 33  | 1,641,181.9960        | 577,958.8519   |  |   |
| 33                     | 35  | 35  | S 7°32'53.69" W      | 36.864    | 35  | 1,641,120.4148        | 577,922.2411   |  |   |
|                        |     |     | CENTRO DE CURVA      |           |     | 940                   | 1,640,914.3813 |  |   |
|                        |     |     | DELTA = 07°22'40.14" |           |     |                       | 577,906.2844   |  |   |
|                        |     |     | RADIO = 286.479      |           |     | SUBTAN = 18.470       |                |  |   |
| 35                     | 36  | 36  | S 8°48'45.64" W      | 14.933    | 36  | 1,641,201.2472        | 577,907.3440   |  |   |
| 36                     | 37  | 37  | S 8°48'45.64" W      | 57.362    | 37  | 1,641,120.4449        | 577,850.0711   |  |   |
| 37                     | 38  | 38  | S 8°48'45.64" W      | 14.158    | 38  | 1,641,205.2431        | 577,835.1955   |  |   |
| 38                     | 40  | 40  | S 7°01'31.37" W      | 65.008    | 40  | 1,641,227.4903        | 577,714.8143   |  |   |
|                        |     |     | CENTRO DE CURVA      |           |     | 932                   | 1,641,139.6474 |  |   |
|                        |     |     | DELTA = 33°16'59.35" |           |     |                       | 577,842.3234   |  |   |
|                        |     |     | RADIO = 114.592      |           |     | SUBTAN = 14.237       |                |  |   |
| 40                     | 41  | 41  | S 53°32'06.80" W     | 14.158    | 41  | 1,641,235.9046        | 577,762.8325   |  |   |
| 41                     | 42  | 42  | S 53°32'06.80" W     | 60.580    | 42  | 1,641,238.7953        | 577,668.0088   |  |   |
| 42                     | 43  | 43  | S 53°32'06.80" W     | 14.933    | 43  | 1,641,282.8706        | 577,686.0268   |  |   |
| 43                     | 45  | 45  | S 12°50'53.02" W     | 79.337    | 45  | 1,641,320.8046        | 577,616.1014   |  |   |
|                        |     |     | CENTRO DE CURVA      |           |     | 937                   | 1,641,082.2779 |  |   |
|                        |     |     | DELTA = 12°50'53.02" |           |     |                       | 577,515.9853   |  |   |
|                        |     |     | RADIO = 286.479      |           |     | SUBTAN = 40.157       |                |  |   |
| 45                     | 46  | 46  | S 6°22'39.24" W      | 14.933    | 46  | 1,641,335.9398        | 577,602.1232   |  |   |
| 46                     | 47  | 47  | S 6°22'39.24" W      | 104.405   | 47  | 1,641,272.0449        | 577,504.3540   |  |   |
| 47                     | 48  | 48  | S 6°22'39.24" W      | 14.933    | 48  | 1,641,377.6401        | 577,440.3468   |  |   |
| 48                     | 50  | 50  | S 8°30'28.44" W      | 62.246    | 50  | 1,641,361.2651        | 577,360.1969   |  |   |
|                        |     |     | CENTRO DE CURVA      |           |     | 941                   | 1,641,243.4797 |  |   |
|                        |     |     | DELTA = 25°57'58.44" |           |     |                       | 577,261.7449   |  |   |
|                        |     |     | RADIO = 143.239      |           |     | SUBTAN = 18.886       |                |  |   |
| 50                     | 51  | 51  | S 8°52'42.33" W      | 14.933    | 51  | 1,641,385.0840        | 577,413.8123   |  |   |
| 51                     | 844 | 844 | S 8°52'42.33" W      | 1.436     | 844 | 1,641,384.9650        | 577,412.3811   |  |   |
| LONGITUD = 1,520,000 m |     |     |                      |           |     |                       |                |  |   |

LONGITUD = 1,520.000 m



PLANTA TOPOGRAFICA  
TRAMO 0+000.00 - 0+400.00

858  
907