# DATOS DE PROYECTO

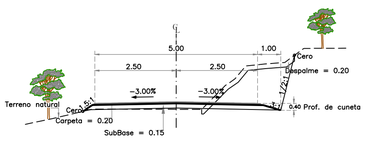
## CAMINO TIPO ARTESANAL

| VELOCIDAD DE PROYECTO | ANCHO DE CORONA | ANCHO DE CALZADA |
|---|---|---|
| 30 km/h | 5.00 m. | 5.00 m. |
| **CURVATURA MAXIMA** | **PENDIENTE MAXIMA** | **PENDIENTE GOBERNADORA** |
| 60°00'00" | 12.00 % | 9.00 % |

EN EL PRESENTE PROYECTO SE APLICARA LA NORMATIVIDAD S.C.T. SIGUIENTE :

| | CAPITULO | DESIGNACION |
|---|---|---|
| 001. | MARCAS EN EL PAVIMENTO | N–CTR–CAR–1–07–001/00 |
| 002. | MARCAS EN GUARNICIONES | N–CTR–CAR–1–07–002/00 |
| 004. | VIALETAS Y BOTONES | N–CTR–CAR–1–07–004/00 |
| 005. | SEÑALES VERTICALES BAJAS | N–CTR–CAR–1–07–005/00 |
| 006. | SEÑALES VERTICALES ELEVADAS | N–CTR–CAR–1–07–006–00 |
| 007. | INDICADORES DE ALINEAMIENTO | N–CTR–CAR–1–07–007/00 |
| 009. | DEFENSAS | N–CTR–CAR–1–07–009/00 |
| 010. | BARRERAS CENTRALES | N–CTR–CAR–1–07–010/00 |
| 014. | BARRERAS | N–CTR–CAR–1–07–014/00 |
| | ADEMAS DE LAS ESPECIFICACIONES PARTICULARES QUE EL MISMO PUDIERA LLEGAR A TENER | |

SECCION TIPO




SIN ESCALA

## SIMBOLOGIA

BANCOS DE NIVEL

HOMBRO
EJE DEL CAMINO
HOMBRO

OBRA DE DRENAJE

NUMERO DE CURVA

KILOMETRAJE

POSTE DE C.F.E.

TIRANTE (ARREMETIDA DE POSTE)

EJE DE CAMINO EXISTENTE

DERECHO DE VIA
DV DV

PAVIMENTO EXISTENTE

CURVA DE NIVEL ORDINARIA

CURVA DE NIVEL MAESTRA A CADA 1 MTS
1500 m.

Camino: CONSTRUCCIÓN DE LA CARRETERA SIN NOMBRE CON CONCRETO HIDRÁULICO DE SANTA MARÍA YALINA – E.C. ((IXTLÁN DE JUÁREZ-VILLA TALEA DE CASTRO) -- SAN BARTOLOMÉ ZOOGOCHO)
Tramo: DEL KM. 0+000.00 AL KM. 1+034.60
Subtramo: DEL KM. 0+000.00 AL KM. 1+034.60
Origen: 0+000.00 (SANTA MARÍA YALINA)

# PLANTA TOPOGRAFICA
# DEL KM. 0+000.00 AL KM. 1+034.60

PROYECTO:

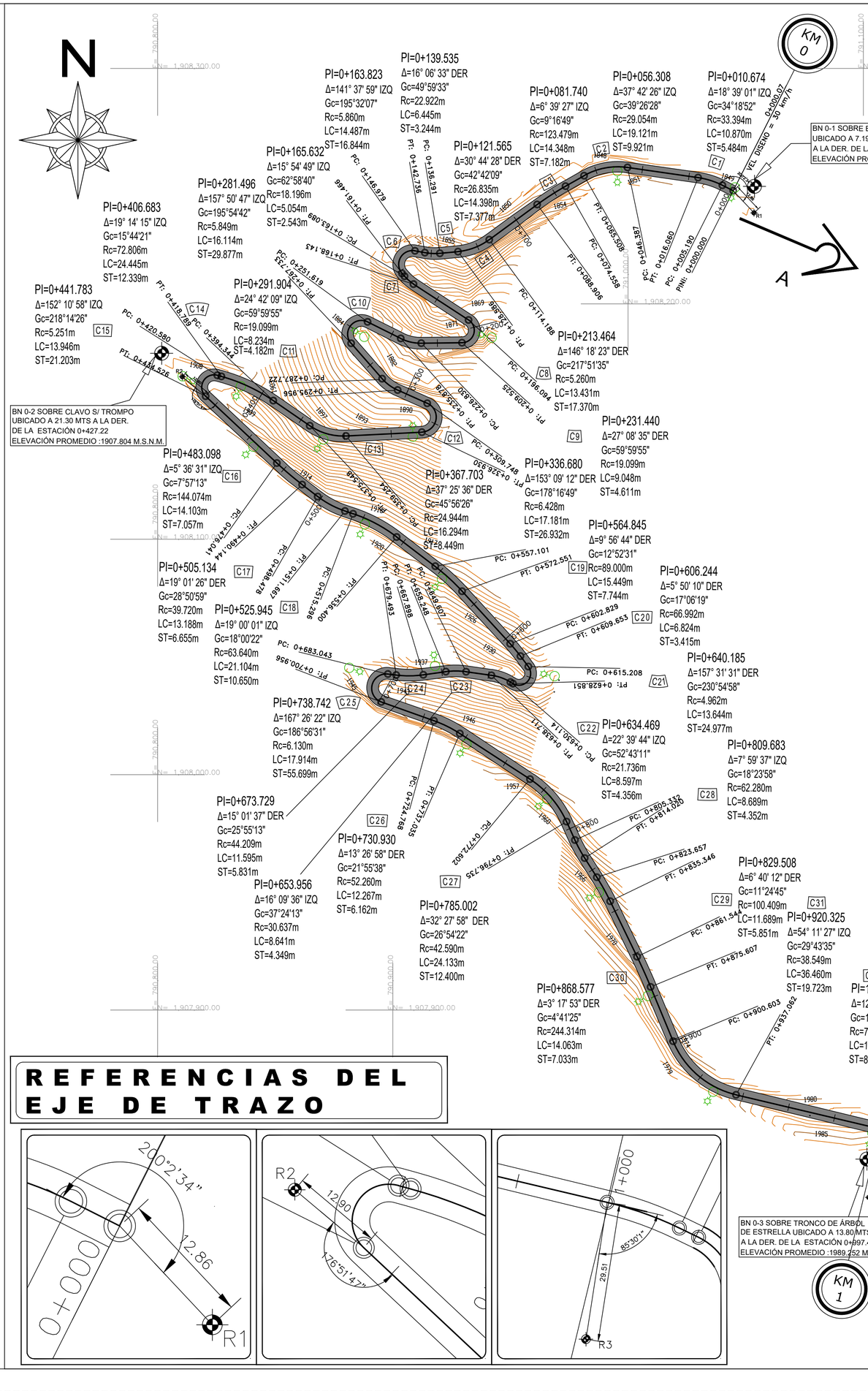
DIRECCION DE PROYECTOS Y CONTROL DE CALIDAD

REVISÓ:

CAMINOS BIENESTAR

| JEFE DE DPTO. DE ESTUDIOS Y PROYECTOS DE TERRACERIAS PAVIMENTOS Y OBRAS | DIRECTOR DE PROYECTOS Y CONTROL DE CALIDAD | EL DIRECTOR GENERAL |
|---|---|---|
| Cédula Profesional 8652384<br>ING. JAIRO RAMIREZ REYES | Cédula Profesional 12890930<br>ING. ALVARO PEREZ HERNANDEZ | ING. MOISES SALAZAR MARTINEZ |

| 2024 | Escala 1:1000 | Plano 1 DE 1 |
|---|---|---|




## GEOMETRIA DEL ALINEAMIENTO HORIZONTAL

| CURVA | TE O PC | | PI O PST | | ET O PT | |
|---|---|---|---|---|---|---|
| | N | E | N | E | N | E |
| 0 | | | 0+000.00 | | | |
| | | | 1908248.043 | 791,044.737 | | |
| 1 | 0+005.19 | | 0+010.67 | | 0+016.06 | |
| | 1908250.383 | 791040.104 | 1,908,252.855 | 791,035.210 | 1908253.633 | 791029.782 |
| 2 | 0+046.39 | | 0+056.31 | | 0+065.51 | |
| | 1908257.931 | 790999.761 | 1,908,259.338 | 790,989.940 | 1908254.444 | 790981.310 |
| 3 | 0+074.56 | | 0+081.74 | | 0+088.91 | |
| | 1908249.979 | 790973.438 | 1,908,246.436 | 790,967.190 | 1908242.193 | 790961.396 |
| 4 | 0+114.19 | | 0+121.57 | | 0+128.59 | |
| | 1908227.256 | 790940.998 | 1,908,222.897 | 790,935.047 | 1908222.193 | 790927.704 |
| 5 | 0+136.29 | | 0+139.54 | | 0+142.74 | |
| | 1908221.458 | 790920.034 | 1,908,221.149 | 790,916.805 | 1908221.748 | 790913.617 |
| 6 | 0+146.98 | | 0+163.82 | | 0+161.47 | |
| | 1908222.531 | 790909.447 | 1,908,225.639 | 790,892.891 | 1908212.926 | 790903.942 |
| 7 | 0+163.09 | | 0+165.63 | | 0+168.14 | |
| | 1908211.701 | 790905.007 | 1,908,209.782 | 790,906.675 | 1908208.393 | 790908.806 |
| 8 | 0+196.09 | | 0+213.46 | | 0+209.53 | |
| | 1908193.134 | 790932.225 | 1,908,183.651 | 790,946.778 | 1908183.467 | 790929.409 |
| 9 | 0+226.83 | | 0+231.44 | | 0+235.88 | |
| | 1908183.284 | 790912.106 | 1,908,183.236 | 790,907.495 | 1908185.296 | 790903.371 |
| 10 | 0+251.62 | | 0+281.50 | | 0+267.73 | |
| | 1908192.329 | 790889.288 | 1,908,205.677 | 790,862.558 | 1908183.235 | 790882.281 |
| 11 | 0+287.72 | | 0+291.90 | | 0+295.96 | |
| | 1908168.220 | 790895.475 | 1,908,165.079 | 790,898.236 | 1908163.378 | 790902.057 |
| 12 | 0+309.75 | | 0+336.68 | | 0+326.93 | |
| | 1908157.771 | 790914.658 | 1,908,146.821 | 790,939.264 | 1908145.479 | 790912.366 |
| 13 | 0+359.25 | | 0+367.70 | | 0+375.55 | |
| | 1908143.867 | 790880.081 | 1,908,143.446 | 790,871.642 | 1908148.240 | 790864.685 |
| 14 | 0+394.34 | | 0+406.68 | | 0+418.79 | |
| | 1908158.905 | 790849.207 | 1,908,165.906 | 790,839.047 | 1908169.168 | 790827.147 |
| 15 | 0+420.58 | | 0+441.78 | | 0+434.53 | |
| | 1908169.642 | 790825.420 | 1,908,175.248 | 790,804.972 | 1908160.747 | 790820.441 |
| 16 | 0+476.04 | | 0+483.10 | | 0+490.14 | |
| | 1908132.355 | 790850.730 | 1,908,127.529 | 790,855.879 | 1908123.229 | 790861.475 |
| 17 | 0+498.48 | | 0+505.13 | | 0+511.67 | |
| | 1908118.151 | 790868.083 | 1,908,114.095 | 790,873.360 | 1908111.982 | 790879.671 |
| 18 | 0+515.30 | | 0+525.95 | | 0+536.40 | |
| | 1908110.829 | 790883.112 | 1,908,107.447 | 790,893.211 | 1908100.962 | 790901.658 |
| 19 | 0+557.10 | | 0+564.85 | | 0+572.55 | |
| | 1908088.355 | 790918.078 | 1,908,083.638 | 790,924.220 | 1908077.932 | 790929.456 |
| 20 | 0+602.83 | | 0+606.24 | | 0+609.65 | |
| | 1908055.622 | 790949.927 | 1,908,053.106 | 790,952.235 | 1908050.368 | 790954.276 |
| 21 | 0+615.21 | | 0+640.19 | | 0+628.85 | |
| | 1908045.915 | 790957.596 | 1,908,025.889 | 790,972.524 | 1908038.687 | 790951.075 |
| 22 | 0+630.11 | | 0+634.47 | | 0+638.71 | |
| | 1908039.334 | 790949.991 | 1,908,041.566 | 790,946.250 | 1908042.184 | 790941.939 |
| 23 | 0+649.61 | | 0+653.96 | | 0+658.25 | |
| | 1908043.731 | 790931.153 | 1,908,044.348 | 790,926.848 | 1908043.743 | 790922.541 |
| 24 | 0+667.90 | | 0+673.73 | | 0+679.49 | |
| | 1908042.400 | 790912.984 | 1,908,041.589 | 790,907.210 | 1908042.302 | 790901.423 |
| 25 | 0+683.04 | | 0+738.74 | | 0+700.96 | |
| | 1908042.737 | 790897.900 | 1,908,049.552 | 790,842.620 | 1908030.878 | 790895.095 |
| 26 | 0+724.77 | | 0+730.93 | | 0+737.04 | |
| | 1908022.895 | 790917.529 | 1,908,020.829 | 790,923.334 | 1908017.469 | 790928.500 |
| 27 | 0+772.60 | | 0+785.00 | | 0+796.74 | |
| | 1907998.078 | 790958.316 | 1,907,991.318 | 790,968.711 | 1907980.034 | 790973.852 |
| 28 | 0+805.33 | | 0+809.68 | | 0+814.02 | |
| | 1907972.211 | 790977.416 | 1,907,968.251 | 790,979.221 | 1907964.581 | 790981.558 |
| 29 | 0+823.66 | | 0+829.51 | | 0+835.35 | |
| | 1907956.452 | 790986.734 | 1,907,951.517 | 790,989.877 | 1907946.250 | 790992.425 |
| 30 | 0+861.54 | | 0+868.58 | | 0+875.61 | |
| | 1907922.667 | 791003.835 | 1,907,916.336 | 791,006.898 | 1907909.839 | 791009.592 |
| 31 | 0+900.60 | | 0+920.33 | | 0+937.06 | |
| | 1907886.749 | 791019.166 | 1,907,868.531 | 791,026.721 | 1907863.997 | 791045.915 |
| 32 | 0+999.66 | | 1+007.90 | | 1+016.06 | |
| | 1907849.608 | 791106.841 | 1,907,847.716 | 791,114.853 | 1907844.140 | 79122.268 |
| 33 | 1+020.60 | | 1+028.16 | | 1+034.30 | |
| | 1907842.168 | 791126.355 | 1,907,838.887 | 791,133.158 | 1907831.353 | 791133.707 |
| 34 | | | 1+034.514 | | | |
| | | | 1907831.139 | 791133.723 | | |

## REFERENCIAS DEL EJE DE TRAZO