

COORDENADAS DEL ALINEAMIENTO

Nombre de alineación: CAMINO PEDASI-CAÑAS			
Descripción:			
Intervalo de P.K.: inicio: 0+000.00, fin: 40+611.96			
Incremento de P.K.: 20.00			
P.K.	Ordenada	Abscisa	Orientación de tangente
0+000.00	831,907.417m	607,312.635m	S0° 41' E
0+020.00	831,887.418m	607,312.875m	S0° 41' E
0+040.00	831,867.420m	607,313.114m	S0° 41' E
0+060.00	831,847.421m	607,313.354m	S0° 41' E
0+080.00	831,827.423m	607,313.594m	S0° 41' E
0+100.00	831,807.424m	607,313.833m	S0° 41' E
0+120.00	831,787.426m	607,314.073m	S0° 41' E
0+140.00	831,767.427m	607,314.313m	S0° 41' E
0+160.00	831,747.428m	607,314.553m	S0° 41' E
0+180.00	831,727.430m	607,314.792m	S0° 41' E
0+200.00	831,707.431m	607,315.032m	S0° 41' E
0+220.00	831,687.433m	607,315.272m	S0° 41' E
0+240.00	831,667.434m	607,315.511m	S0° 41' E
0+260.00	831,647.436m	607,315.751m	S0° 41' E
0+280.00	831,627.437m	607,315.991m	S0° 41' E
0+300.00	831,607.439m	607,316.230m	S0° 41' E
0+320.00	831,587.440m	607,316.470m	S0° 41' E
0+340.00	831,567.441m	607,316.710m	S0° 41' E
0+360.00	831,547.443m	607,316.949m	S0° 41' E
0+380.00	831,527.444m	607,317.189m	S0° 41' E
0+400.00	831,507.446m	607,317.262m	S1° 39' O
0+420.00	831,487.517m	607,315.684m	S7° 24' O
0+440.00	831,467.845m	607,312.124m	S13° 08' O
0+460.00	831,448.627m	607,306.615m	S18° 52' O
0+480.00	831,430.056m	607,299.214m	S24° 36' O
0+500.00	831,412.317m	607,289.994m	S30° 20' O
0+520.00	831,395.589m	607,279.047m	S36° 04' O
0+540.00	831,379.966m	607,266.568m	S39° 54' O
0+560.00	831,364.623m	607,253.739m	S39° 54' O
0+580.00	831,349.280m	607,240.910m	S39° 54' O
0+600.00	831,333.936m	607,228.081m	S39° 54' O
0+620.00	831,318.593m	607,215.252m	S39° 54' O
0+640.00	831,303.250m	607,202.423m	S39° 54' O
0+660.00	831,287.906m	607,189.594m	S39° 54' O
0+680.00	831,272.563m	607,176.765m	S39° 54' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

0+700.00	831,257.220m	607,163.936m	S39° 54' O
0+720.00	831,241.876m	607,151.107m	S39° 54' O
0+740.00	831,226.533m	607,138.278m	S39° 54' O
0+760.00	831,211.190m	607,125.449m	S39° 54' O
0+780.00	831,195.846m	607,112.620m	S39° 54' O
0+800.00	831,180.503m	607,099.791m	S39° 54' O
0+820.00	831,165.160m	607,086.962m	S39° 54' O
0+840.00	831,149.816m	607,074.133m	S39° 54' O
0+860.00	831,134.473m	607,061.304m	S39° 54' O
0+880.00	831,119.130m	607,048.475m	S39° 54' O
0+900.00	831,103.786m	607,035.647m	S39° 54' O
0+920.00	831,088.443m	607,022.818m	S39° 54' O
0+940.00	831,073.100m	607,009.989m	S39° 54' O
0+960.00	831,057.756m	606,997.160m	S39° 54' O
0+980.00	831,042.413m	606,984.331m	S39° 54' O
1+000.00	831,027.070m	606,971.502m	S39° 54' O
1+020.00	831,011.726m	606,958.673m	S39° 54' O
1+040.00	830,996.383m	606,945.844m	S39° 54' O
1+060.00	830,981.040m	606,933.015m	S39° 54' O
1+080.00	830,965.696m	606,920.186m	S39° 54' O
1+100.00	830,950.309m	606,907.411m	S38° 39' O
1+120.00	830,934.272m	606,895.466m	S34° 43' O
1+140.00	830,917.453m	606,884.652m	S30° 46' O
1+160.00	830,899.930m	606,875.018m	S26° 50' O
1+180.00	830,881.810m	606,866.559m	S24° 01' O
1+200.00	830,863.542m	606,858.418m	S24° 01' O
1+220.00	830,845.274m	606,850.276m	S24° 01' O
1+240.00	830,827.006m	606,842.135m	S24° 01' O
1+260.00	830,808.738m	606,833.993m	S24° 01' O
1+280.00	830,790.471m	606,825.852m	S24° 01' O
1+300.00	830,772.203m	606,817.711m	S24° 01' O
1+320.00	830,753.935m	606,809.569m	S24° 01' O
1+340.00	830,735.667m	606,801.428m	S24° 01' O
1+360.00	830,717.399m	606,793.286m	S24° 01' O
1+380.00	830,699.131m	606,785.145m	S24° 01' O
1+400.00	830,680.863m	606,777.004m	S24° 01' O
1+420.00	830,662.595m	606,768.862m	S24° 01' O
1+440.00	830,644.327m	606,760.721m	S24° 01' O
1+460.00	830,626.059m	606,752.580m	S24° 01' O
1+480.00	830,607.791m	606,744.438m	S24° 01' O
1+500.00	830,589.523m	606,736.297m	S24° 01' O
1+520.00	830,571.255m	606,728.155m	S24° 01' O
1+540.00	830,552.987m	606,720.014m	S24° 01' O
1+560.00	830,534.719m	606,711.873m	S24° 01' O
1+580.00	830,516.451m	606,703.731m	S24° 01' O

PROMOTOR: MINISTERIO DE OBRAS PUBLICAS**EMPRESA CONTRATISTA: CONSORCIO AZUERO**

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II

DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS

1+600.00	830,498.276m	606,695.389m	S26° 00' O
1+620.00	830,480.546m	606,686.139m	S29° 06' O
1+640.00	830,463.343m	606,675.943m	S32° 12' O
1+660.00	830,446.717m	606,664.831m	S35° 18' O
1+680.00	830,430.716m	606,652.836m	S38° 24' O
1+700.00	830,415.387m	606,639.993m	S41° 30' O
1+720.00	830,400.464m	606,626.678m	S41° 45' O
1+740.00	830,385.543m	606,613.361m	S41° 45' O
1+760.00	830,370.622m	606,600.043m	S41° 45' O
1+780.00	830,355.700m	606,586.726m	S41° 45' O
1+800.00	830,340.779m	606,573.408m	S41° 45' O
1+820.00	830,325.858m	606,560.091m	S41° 45' O
1+840.00	830,310.937m	606,546.773m	S41° 45' O
1+860.00	830,296.015m	606,533.456m	S41° 45' O
1+880.00	830,281.094m	606,520.138m	S41° 45' O
1+900.00	830,266.173m	606,506.821m	S41° 45' O
1+920.00	830,251.252m	606,493.503m	S41° 45' O
1+940.00	830,236.330m	606,480.186m	S41° 45' O
1+960.00	830,221.446m	606,466.827m	S42° 35' O
1+980.00	830,206.987m	606,453.011m	S44° 48' O
2+000.00	830,193.072m	606,438.647m	S47° 01' O
2+020.00	830,179.717m	606,423.761m	S48° 55' O
2+040.00	830,166.574m	606,408.685m	S48° 55' O
2+060.00	830,153.431m	606,393.610m	S48° 55' O
2+080.00	830,140.288m	606,378.535m	S48° 55' O
2+100.00	830,127.146m	606,363.460m	S48° 55' O
2+120.00	830,114.003m	606,348.384m	S48° 55' O
2+140.00	830,100.860m	606,333.309m	S48° 55' O
2+160.00	830,087.717m	606,318.234m	S48° 55' O
2+180.00	830,074.574m	606,303.158m	S48° 55' O
2+200.00	830,061.431m	606,288.083m	S48° 55' O
2+220.00	830,048.288m	606,273.008m	S48° 55' O
2+240.00	830,035.145m	606,257.932m	S48° 55' O
2+260.00	830,022.002m	606,242.857m	S48° 55' O
2+280.00	830,008.860m	606,227.782m	S48° 55' O
2+300.00	829,995.717m	606,212.707m	S48° 55' O
2+320.00	829,982.574m	606,197.631m	S48° 55' O
2+340.00	829,969.431m	606,182.556m	S48° 55' O
2+360.00	829,956.288m	606,167.481m	S48° 55' O
2+380.00	829,943.145m	606,152.405m	S48° 55' O
2+400.00	829,930.002m	606,137.330m	S48° 55' O
2+420.00	829,917.235m	606,121.947m	S54° 02' O
2+440.00	829,906.867m	606,104.870m	S63° 26' O
2+460.00	829,899.428m	606,086.329m	S72° 51' O
2+480.00	829,895.120m	606,066.822m	S82° 15' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

2+500.00	829,894.057m	606,046.872m	N88° 21' O
2+520.00	829,895.846m	606,026.959m	N83° 44' O
2+540.00	829,898.026m	606,007.079m	N83° 44' O
2+560.00	829,900.207m	605,987.198m	N83° 44' O
2+580.00	829,902.388m	605,967.317m	N83° 44' O
2+600.00	829,904.569m	605,947.436m	N83° 44' O
2+620.00	829,906.750m	605,927.556m	N83° 44' O
2+640.00	829,908.930m	605,907.675m	N83° 44' O
2+660.00	829,911.111m	605,887.794m	N83° 44' O
2+680.00	829,913.292m	605,867.913m	N83° 44' O
2+700.00	829,915.473m	605,848.033m	N83° 44' O
2+720.00	829,917.653m	605,828.152m	N83° 44' O
2+740.00	829,919.834m	605,808.271m	N83° 44' O
2+760.00	829,922.015m	605,788.390m	N83° 44' O
2+780.00	829,924.196m	605,768.510m	N83° 44' O
2+800.00	829,926.376m	605,748.629m	N83° 44' O
2+820.00	829,928.563m	605,728.749m	N83° 35' O
2+840.00	829,930.922m	605,708.888m	N82° 52' O
2+860.00	829,933.509m	605,689.056m	N82° 27' O
2+880.00	829,936.138m	605,669.230m	N82° 27' O
2+900.00	829,938.768m	605,649.404m	N82° 27' O
2+920.00	829,941.397m	605,629.577m	N82° 27' O
2+940.00	829,944.027m	605,609.751m	N82° 27' O
2+960.00	829,946.657m	605,589.925m	N82° 27' O
2+980.00	829,949.286m	605,570.098m	N82° 27' O
3+000.00	829,951.916m	605,550.272m	N82° 27' O
3+020.00	829,954.545m	605,530.445m	N82° 27' O
3+040.00	829,957.175m	605,510.619m	N82° 27' O
3+060.00	829,959.804m	605,490.793m	N82° 27' O
3+080.00	829,962.434m	605,470.966m	N82° 27' O
3+100.00	829,965.063m	605,451.140m	N82° 27' O
3+120.00	829,967.693m	605,431.313m	N82° 27' O
3+140.00	829,970.323m	605,411.487m	N82° 27' O
3+160.00	829,972.952m	605,391.661m	N82° 27' O
3+180.00	829,975.582m	605,371.834m	N82° 27' O
3+200.00	829,978.211m	605,352.008m	N82° 27' O
3+220.00	829,980.841m	605,332.182m	N82° 27' O
3+240.00	829,983.470m	605,312.355m	N82° 27' O
3+260.00	829,986.100m	605,292.529m	N82° 27' O
3+280.00	829,988.729m	605,272.702m	N82° 27' O
3+300.00	829,991.359m	605,252.876m	N82° 27' O
3+320.00	829,993.988m	605,233.050m	N82° 27' O
3+340.00	829,996.618m	605,213.223m	N82° 27' O
3+360.00	829,999.248m	605,193.397m	N82° 27' O
3+380.00	830,001.877m	605,173.571m	N82° 27' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

3+400.00	830,004.507m	605,153.744m	N82° 27' O
3+420.00	830,007.136m	605,133.918m	N82° 27' O
3+440.00	830,009.766m	605,114.091m	N82° 27' O
3+460.00	830,012.395m	605,094.265m	N82° 27' O
3+480.00	830,015.025m	605,074.439m	N82° 27' O
3+500.00	830,017.654m	605,054.612m	N82° 27' O
3+520.00	830,020.284m	605,034.786m	N82° 27' O
3+540.00	830,022.914m	605,014.959m	N82° 27' O
3+560.00	830,025.543m	604,995.133m	N82° 27' O
3+580.00	830,028.173m	604,975.307m	N82° 27' O
3+600.00	830,030.802m	604,955.480m	N82° 27' O
3+620.00	830,033.432m	604,935.654m	N82° 27' O
3+640.00	830,036.061m	604,915.828m	N82° 27' O
3+660.00	830,038.691m	604,896.001m	N82° 27' O
3+680.00	830,041.320m	604,876.175m	N82° 27' O
3+700.00	830,044.339m	604,856.408m	N79° 10' O
3+720.00	830,048.916m	604,836.944m	N74° 22' O
3+740.00	830,055.103m	604,817.931m	N69° 35' O
3+760.00	830,062.855m	604,799.501m	N64° 48' O
3+780.00	830,071.944m	604,781.688m	N62° 20' O
3+800.00	830,081.229m	604,763.974m	N62° 20' O
3+820.00	830,090.515m	604,746.260m	N62° 20' O
3+840.00	830,099.800m	604,728.546m	N62° 20' O
3+860.00	830,109.085m	604,710.832m	N62° 20' O
3+880.00	830,118.371m	604,693.119m	N62° 20' O
3+900.00	830,127.656m	604,675.405m	N62° 20' O
3+920.00	830,136.942m	604,657.691m	N62° 20' O
3+940.00	830,146.227m	604,639.977m	N62° 20' O
3+960.00	830,155.512m	604,622.263m	N62° 20' O
3+980.00	830,164.798m	604,604.549m	N62° 20' O
4+000.00	830,173.755m	604,586.669m	N64° 31' O
4+020.00	830,181.999m	604,568.448m	N66° 47' O
4+040.00	830,189.514m	604,549.915m	N69° 04' O
4+060.00	830,196.295m	604,531.101m	N71° 05' O
4+080.00	830,202.776m	604,512.180m	N71° 05' O
4+100.00	830,209.258m	604,493.260m	N71° 05' O
4+120.00	830,215.740m	604,474.339m	N71° 05' O
4+140.00	830,222.222m	604,455.419m	N71° 05' O
4+160.00	830,228.703m	604,436.498m	N71° 05' O
4+180.00	830,235.185m	604,417.578m	N71° 05' O
4+200.00	830,241.667m	604,398.657m	N71° 05' O
4+220.00	830,248.148m	604,379.736m	N71° 05' O
4+240.00	830,254.630m	604,360.816m	N71° 05' O
4+260.00	830,261.112m	604,341.895m	N71° 05' O
4+280.00	830,267.593m	604,322.975m	N71° 05' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

4+300.00	830,274.075m	604,304.054m	N71° 05' O
4+320.00	830,280.557m	604,285.134m	N71° 05' O
4+340.00	830,287.039m	604,266.213m	N71° 05' O
4+360.00	830,293.520m	604,247.293m	N71° 05' O
4+380.00	830,300.002m	604,228.372m	N71° 05' O
4+400.00	830,306.484m	604,209.451m	N71° 05' O
4+420.00	830,312.965m	604,190.531m	N71° 05' O
4+440.00	830,319.447m	604,171.610m	N71° 05' O
4+460.00	830,325.929m	604,152.690m	N71° 05' O
4+480.00	830,332.411m	604,133.769m	N71° 05' O
4+500.00	830,338.892m	604,114.849m	N71° 05' O
4+520.00	830,345.374m	604,095.928m	N71° 05' O
4+540.00	830,351.856m	604,077.008m	N71° 05' O
4+560.00	830,358.337m	604,058.087m	N71° 05' O
4+580.00	830,364.819m	604,039.166m	N71° 05' O
4+600.00	830,371.301m	604,020.246m	N71° 05' O
4+620.00	830,377.782m	604,001.325m	N71° 05' O
4+640.00	830,384.264m	603,982.405m	N71° 05' O
4+660.00	830,390.746m	603,963.484m	N71° 05' O
4+680.00	830,397.228m	603,944.564m	N71° 05' O
4+700.00	830,403.709m	603,925.643m	N71° 05' O
4+720.00	830,410.191m	603,906.723m	N71° 05' O
4+740.00	830,416.673m	603,887.802m	N71° 05' O
4+760.00	830,423.154m	603,868.881m	N71° 05' O
4+780.00	830,429.636m	603,849.961m	N71° 05' O
4+800.00	830,436.118m	603,831.040m	N71° 05' O
4+820.00	830,442.600m	603,812.120m	N71° 05' O
4+840.00	830,449.081m	603,793.199m	N71° 05' O
4+860.00	830,455.563m	603,774.279m	N71° 05' O
4+880.00	830,462.045m	603,755.358m	N71° 05' O
4+900.00	830,468.526m	603,736.438m	N71° 05' O
4+920.00	830,475.008m	603,717.517m	N71° 05' O
4+940.00	830,481.490m	603,698.596m	N71° 05' O
4+960.00	830,487.971m	603,679.676m	N71° 05' O
4+980.00	830,494.453m	603,660.755m	N71° 05' O
5+000.00	830,500.935m	603,641.835m	N71° 05' O
5+020.00	830,507.417m	603,622.914m	N71° 05' O
5+040.00	830,513.898m	603,603.994m	N71° 05' O
5+060.00	830,520.380m	603,585.073m	N71° 05' O
5+080.00	830,526.862m	603,566.153m	N71° 05' O
5+100.00	830,533.343m	603,547.232m	N71° 05' O
5+120.00	830,539.825m	603,528.311m	N71° 05' O
5+140.00	830,546.307m	603,509.391m	N71° 05' O
5+160.00	830,552.789m	603,490.470m	N71° 05' O
5+180.00	830,559.270m	603,471.550m	N71° 05' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

5+200.00	830,565.752m	603,452.629m	N71° 05' O
5+220.00	830,572.234m	603,433.709m	N71° 05' O
5+240.00	830,578.715m	603,414.788m	N71° 05' O
5+260.00	830,585.197m	603,395.868m	N71° 05' O
5+280.00	830,591.679m	603,376.947m	N71° 05' O
5+300.00	830,598.161m	603,358.026m	N71° 05' O
5+320.00	830,604.642m	603,339.106m	N71° 05' O
5+340.00	830,611.124m	603,320.185m	N71° 05' O
5+360.00	830,617.606m	603,301.265m	N71° 05' O
5+380.00	830,624.087m	603,282.344m	N71° 05' O
5+400.00	830,630.569m	603,263.424m	N71° 05' O
5+420.00	830,637.051m	603,244.503m	N71° 05' O
5+440.00	830,643.532m	603,225.582m	N71° 05' O
5+460.00	830,650.014m	603,206.662m	N71° 05' O
5+480.00	830,656.496m	603,187.741m	N71° 05' O
5+500.00	830,662.978m	603,168.821m	N71° 05' O
5+520.00	830,669.459m	603,149.900m	N71° 05' O
5+540.00	830,675.941m	603,130.980m	N71° 05' O
5+560.00	830,682.423m	603,112.059m	N71° 05' O
5+580.00	830,688.904m	603,093.139m	N71° 05' O
5+600.00	830,695.386m	603,074.218m	N71° 05' O
5+620.00	830,701.868m	603,055.297m	N71° 05' O
5+640.00	830,708.350m	603,036.377m	N71° 05' O
5+660.00	830,714.831m	603,017.456m	N71° 05' O
5+680.00	830,721.313m	602,998.536m	N71° 05' O
5+700.00	830,727.795m	602,979.615m	N71° 05' O
5+720.00	830,734.276m	602,960.695m	N71° 05' O
5+740.00	830,740.758m	602,941.774m	N71° 05' O
5+760.00	830,747.240m	602,922.854m	N71° 05' O
5+780.00	830,753.721m	602,903.933m	N71° 05' O
5+800.00	830,760.203m	602,885.012m	N71° 05' O
5+820.00	830,766.685m	602,866.092m	N71° 05' O
5+840.00	830,773.167m	602,847.171m	N71° 05' O
5+860.00	830,779.648m	602,828.251m	N71° 05' O
5+880.00	830,786.130m	602,809.330m	N71° 05' O
5+900.00	830,792.612m	602,790.410m	N71° 05' O
5+920.00	830,799.093m	602,771.489m	N71° 05' O
5+940.00	830,805.575m	602,752.569m	N71° 05' O
5+960.00	830,812.057m	602,733.648m	N71° 05' O
5+980.00	830,818.539m	602,714.727m	N71° 05' O
6+000.00	830,825.020m	602,695.807m	N71° 05' O
6+020.00	830,831.502m	602,676.886m	N71° 05' O
6+040.00	830,837.984m	602,657.966m	N71° 05' O
6+060.00	830,844.465m	602,639.045m	N71° 05' O
6+080.00	830,850.947m	602,620.125m	N71° 05' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

6+100.00	830,857.429m	602,601.204m	N71° 05' O
6+120.00	830,863.910m	602,582.284m	N71° 05' O
6+140.00	830,870.392m	602,563.363m	N71° 05' O
6+160.00	830,876.874m	602,544.442m	N71° 05' O
6+180.00	830,883.356m	602,525.522m	N71° 05' O
6+200.00	830,889.837m	602,506.601m	N71° 05' O
6+220.00	830,896.319m	602,487.681m	N71° 05' O
6+240.00	830,902.801m	602,468.760m	N71° 05' O
6+260.00	830,909.282m	602,449.840m	N71° 05' O
6+280.00	830,915.764m	602,430.919m	N71° 05' O
6+300.00	830,922.246m	602,411.999m	N71° 05' O
6+320.00	830,928.728m	602,393.078m	N71° 05' O
6+340.00	830,935.209m	602,374.157m	N71° 05' O
6+360.00	830,941.691m	602,355.237m	N71° 05' O
6+380.00	830,948.173m	602,336.316m	N71° 05' O
6+400.00	830,954.654m	602,317.396m	N71° 05' O
6+420.00	830,961.136m	602,298.475m	N71° 05' O
6+440.00	830,967.618m	602,279.555m	N71° 05' O
6+460.00	830,974.099m	602,260.634m	N71° 05' O
6+480.00	830,980.581m	602,241.714m	N71° 05' O
6+500.00	830,987.063m	602,222.793m	N71° 05' O
6+520.00	830,993.545m	602,203.872m	N71° 05' O
6+540.00	831,000.026m	602,184.952m	N71° 05' O
6+560.00	831,006.508m	602,166.031m	N71° 05' O
6+580.00	831,012.990m	602,147.111m	N71° 05' O
6+600.00	831,019.471m	602,128.190m	N71° 05' O
6+620.00	831,025.953m	602,109.270m	N71° 05' O
6+640.00	831,032.435m	602,090.349m	N71° 05' O
6+660.00	831,038.917m	602,071.429m	N71° 05' O
6+680.00	831,045.398m	602,052.508m	N71° 05' O
6+700.00	831,051.880m	602,033.587m	N71° 05' O
6+720.00	831,058.362m	602,014.667m	N71° 05' O
6+740.00	831,064.843m	601,995.746m	N71° 05' O
6+760.00	831,071.325m	601,976.826m	N71° 05' O
6+780.00	831,077.807m	601,957.905m	N71° 05' O
6+800.00	831,084.288m	601,938.985m	N71° 05' O
6+820.00	831,090.770m	601,920.064m	N71° 05' O
6+840.00	831,097.252m	601,901.143m	N71° 05' O
6+860.00	831,103.734m	601,882.223m	N71° 05' O
6+880.00	831,110.215m	601,863.302m	N71° 05' O
6+900.00	831,116.697m	601,844.382m	N71° 05' O
6+920.00	831,123.179m	601,825.461m	N71° 05' O
6+940.00	831,129.660m	601,806.541m	N71° 05' O
6+960.00	831,136.142m	601,787.620m	N71° 05' O
6+980.00	831,142.624m	601,768.700m	N71° 05' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

7+000.00	831,149.106m	601,749.779m	N71° 05' O
7+020.00	831,155.587m	601,730.858m	N71° 05' O
7+040.00	831,162.069m	601,711.938m	N71° 05' O
7+060.00	831,168.551m	601,693.017m	N71° 05' O
7+080.00	831,175.061m	601,674.107m	N70° 28' O
7+100.00	831,182.114m	601,655.393m	N68° 14' O
7+120.00	831,189.894m	601,636.970m	N65° 59' O
7+140.00	831,198.390m	601,618.865m	N63° 44' O
7+160.00	831,207.563m	601,601.094m	N62° 06' O
7+180.00	831,216.922m	601,583.419m	N62° 06' O
7+200.00	831,226.281m	601,565.743m	N62° 06' O
7+220.00	831,235.639m	601,548.068m	N62° 06' O
7+240.00	831,244.998m	601,530.393m	N62° 06' O
7+260.00	831,254.357m	601,512.718m	N62° 06' O
7+280.00	831,263.716m	601,495.043m	N62° 06' O
7+300.00	831,273.075m	601,477.368m	N62° 06' O
7+320.00	831,282.434m	601,459.693m	N62° 06' O
7+340.00	831,291.793m	601,442.017m	N62° 06' O
7+360.00	831,301.152m	601,424.342m	N62° 06' O
7+380.00	831,310.511m	601,406.667m	N62° 06' O
7+400.00	831,319.869m	601,388.992m	N62° 06' O
7+420.00	831,329.228m	601,371.317m	N62° 06' O
7+440.00	831,338.587m	601,353.642m	N62° 06' O
7+460.00	831,347.946m	601,335.966m	N62° 06' O
7+480.00	831,357.305m	601,318.291m	N62° 06' O
7+500.00	831,366.664m	601,300.616m	N62° 06' O
7+520.00	831,376.023m	601,282.941m	N62° 06' O
7+540.00	831,385.382m	601,265.266m	N62° 06' O
7+560.00	831,394.741m	601,247.591m	N62° 06' O
7+580.00	831,404.100m	601,229.916m	N62° 06' O
7+600.00	831,413.458m	601,212.240m	N62° 06' O
7+620.00	831,422.817m	601,194.565m	N62° 06' O
7+640.00	831,432.176m	601,176.890m	N62° 06' O
7+660.00	831,441.535m	601,159.215m	N62° 06' O
7+680.00	831,450.894m	601,141.540m	N62° 06' O
7+700.00	831,460.253m	601,123.865m	N62° 06' O
7+720.00	831,469.612m	601,106.189m	N62° 06' O
7+740.00	831,478.971m	601,088.514m	N62° 06' O
7+760.00	831,488.330m	601,070.839m	N62° 06' O
7+780.00	831,497.688m	601,053.164m	N62° 06' O
7+800.00	831,507.047m	601,035.489m	N62° 06' O
7+820.00	831,516.390m	601,017.805m	N62° 32' O
7+840.00	831,525.347m	600,999.924m	N64° 15' O
7+860.00	831,533.762m	600,981.781m	N65° 59' O
7+880.00	831,541.629m	600,963.394m	N67° 42' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

7+900.00	831,549.058m	600,944.825m	N68° 18' O
7+920.00	831,556.452m	600,926.242m	N68° 18' O
7+940.00	831,563.847m	600,907.659m	N68° 18' O
7+960.00	831,571.241m	600,889.077m	N68° 18' O
7+980.00	831,578.635m	600,870.494m	N68° 18' O
8+000.00	831,586.030m	600,851.911m	N68° 18' O
8+020.00	831,593.424m	600,833.328m	N68° 18' O
8+040.00	831,600.819m	600,814.745m	N68° 18' O
8+060.00	831,608.213m	600,796.162m	N68° 18' O
8+080.00	831,615.608m	600,777.580m	N68° 18' O
8+100.00	831,623.002m	600,758.997m	N68° 18' O
8+120.00	831,630.397m	600,740.414m	N68° 18' O
8+140.00	831,637.791m	600,721.831m	N68° 18' O
8+160.00	831,645.186m	600,703.248m	N68° 18' O
8+180.00	831,652.580m	600,684.665m	N68° 18' O
8+200.00	831,659.975m	600,666.083m	N68° 18' O
8+220.00	831,667.369m	600,647.500m	N68° 18' O
8+240.00	831,674.764m	600,628.917m	N68° 18' O
8+260.00	831,682.158m	600,610.334m	N68° 18' O
8+280.00	831,689.553m	600,591.751m	N68° 18' O
8+300.00	831,696.947m	600,573.168m	N68° 18' O
8+320.00	831,704.342m	600,554.586m	N68° 18' O
8+340.00	831,711.736m	600,536.003m	N68° 18' O
8+360.00	831,719.131m	600,517.420m	N68° 18' O
8+380.00	831,726.525m	600,498.837m	N68° 18' O
8+400.00	831,733.920m	600,480.254m	N68° 18' O
8+420.00	831,741.314m	600,461.671m	N68° 18' O
8+440.00	831,748.709m	600,443.089m	N68° 18' O
8+460.00	831,756.103m	600,424.506m	N68° 18' O
8+480.00	831,763.497m	600,405.923m	N68° 18' O
8+500.00	831,770.892m	600,387.340m	N68° 18' O
8+520.00	831,778.286m	600,368.757m	N68° 18' O
8+540.00	831,785.681m	600,350.174m	N68° 18' O
8+560.00	831,792.992m	600,331.559m	N69° 17' O
8+580.00	831,799.761m	600,312.740m	N71° 09' O
8+600.00	831,805.913m	600,293.711m	N73° 01' O
8+620.00	831,811.442m	600,274.491m	N74° 53' O
8+640.00	831,816.340m	600,255.101m	N76° 45' O
8+660.00	831,820.831m	600,235.612m	N77° 03' O
8+680.00	831,825.314m	600,216.121m	N77° 03' O
8+700.00	831,829.488m	600,196.563m	N79° 32' O
8+720.00	831,832.531m	600,176.799m	N82° 57' O
8+740.00	831,834.391m	600,156.889m	N86° 22' O
8+760.00	831,835.061m	600,136.903m	N89° 47' O
8+780.00	831,834.539m	600,116.913m	S86° 48' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II

DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS

8+800.00	831,832.863m	600,096.985m	S84° 14' O
8+820.00	831,830.853m	600,077.087m	S84° 14' O
8+840.00	831,828.843m	600,057.188m	S84° 14' O
8+860.00	831,826.833m	600,037.289m	S84° 14' O
8+880.00	831,824.942m	600,017.379m	S85° 00' O
8+900.00	831,823.353m	599,997.442m	S85° 53' O
8+920.00	831,822.068m	599,977.484m	S86° 45' O
8+940.00	831,821.037m	599,957.510m	S87° 08' O
8+960.00	831,820.035m	599,937.536m	S87° 08' O
8+980.00	831,819.032m	599,917.561m	S87° 08' O
9+000.00	831,818.030m	599,897.586m	S87° 08' O
9+020.00	831,816.053m	599,877.696m	S80° 48' O
9+040.00	831,811.630m	599,858.205m	S73° 38' O
9+060.00	831,804.812m	599,839.417m	S66° 28' O
9+080.00	831,795.790m	599,821.577m	S61° 19' O
9+100.00	831,786.189m	599,804.032m	S61° 19' O
9+120.00	831,776.589m	599,786.487m	S61° 19' O
9+140.00	831,767.005m	599,768.933m	S62° 00' O
9+160.00	831,758.303m	599,750.931m	S66° 24' O
9+180.00	831,751.004m	599,732.315m	S70° 47' O
9+200.00	831,745.152m	599,713.196m	S75° 11' O
9+220.00	831,740.781m	599,693.684m	S79° 34' O
9+240.00	831,737.917m	599,673.895m	S83° 58' O
9+260.00	831,736.406m	599,653.954m	S86° 17' O
9+280.00	831,735.110m	599,633.996m	S86° 17' O
9+300.00	831,733.643m	599,614.051m	S84° 49' O
9+320.00	831,731.455m	599,594.172m	S82° 37' O
9+340.00	831,728.508m	599,574.392m	S80° 26' O
9+360.00	831,724.805m	599,554.739m	S78° 14' O
9+380.00	831,720.354m	599,535.242m	S76° 02' O
9+400.00	831,715.159m	599,515.929m	S73° 51' O
9+420.00	831,709.228m	599,496.830m	S71° 39' O
9+440.00	831,702.573m	599,477.971m	S69° 37' O
9+460.00	831,695.606m	599,459.224m	S69° 37' O
9+480.00	831,688.639m	599,440.476m	S69° 37' O
9+500.00	831,681.672m	599,421.729m	S69° 37' O
9+520.00	831,674.705m	599,402.982m	S69° 37' O
9+540.00	831,667.738m	599,384.234m	S69° 37' O
9+560.00	831,660.636m	599,365.539m	S68° 10' O
9+580.00	831,652.794m	599,347.142m	S65° 40' O
9+600.00	831,644.156m	599,329.105m	S63° 09' O
9+620.00	831,634.737m	599,311.464m	S60° 39' O
9+640.00	831,624.558m	599,294.250m	S58° 22' O
9+660.00	831,614.069m	599,277.221m	S58° 22' O
9+680.00	831,603.579m	599,260.193m	S58° 22' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

9+700.00	831,593.090m	599,243.164m	S58° 22' O
9+720.00	831,582.510m	599,226.192m	S57° 06' O
9+740.00	831,571.267m	599,209.654m	S54° 29' O
9+760.00	831,559.282m	599,193.644m	S51° 52' O
9+780.00	831,546.646m	599,178.142m	S50° 24' O
9+800.00	831,533.898m	599,162.732m	S50° 24' O
9+820.00	831,521.150m	599,147.322m	S50° 24' O
9+840.00	831,508.844m	599,131.560m	S53° 52' O
9+860.00	831,497.578m	599,115.039m	S57° 34' O
9+880.00	831,487.401m	599,097.826m	S61° 15' O
9+900.00	831,478.356m	599,079.992m	S64° 57' O
9+920.00	831,470.233m	599,061.717m	S66° 16' O
9+940.00	831,462.184m	599,043.408m	S66° 16' O
9+960.00	831,454.191m	599,025.075m	S67° 05' O
9+980.00	831,446.720m	599,006.523m	S69° 03' O
10+000.00	831,439.888m	598,987.728m	S71° 00' O
10+020.00	831,433.701m	598,968.709m	S72° 58' O
10+040.00	831,428.107m	598,949.508m	S74° 04' O
10+060.00	831,422.619m	598,930.276m	S74° 04' O
10+080.00	831,417.130m	598,911.044m	S74° 04' O
10+100.00	831,412.238m	598,891.660m	S79° 09' O
10+120.00	831,409.734m	598,871.832m	S86° 27' O
10+140.00	831,409.771m	598,851.845m	N86° 14' O
10+160.00	831,412.351m	598,832.026m	N78° 56' O
10+180.00	831,417.430m	598,812.695m	N71° 38' O
10+200.00	831,424.501m	598,793.990m	N68° 43' O
10+220.00	831,431.915m	598,775.415m	N67° 37' O
10+240.00	831,439.732m	598,757.007m	N66° 26' O
10+260.00	831,447.728m	598,738.674m	N66° 26' O
10+280.00	831,455.723m	598,720.342m	N66° 26' O
10+300.00	831,463.719m	598,702.010m	N66° 26' O
10+320.00	831,471.715m	598,683.678m	N66° 26' O
10+340.00	831,479.710m	598,665.345m	N66° 26' O
10+360.00	831,487.706m	598,647.013m	N66° 26' O
10+380.00	831,495.702m	598,628.681m	N66° 26' O
10+400.00	831,503.697m	598,610.349m	N66° 26' O
10+420.00	831,511.693m	598,592.017m	N66° 26' O
10+440.00	831,519.689m	598,573.684m	N66° 26' O
10+460.00	831,526.384m	598,554.859m	N74° 49' O
10+480.00	831,530.120m	598,535.231m	N83° 38' O
10+500.00	831,530.804m	598,515.263m	S87° 33' O
10+520.00	831,528.419m	598,495.425m	S78° 44' O
10+540.00	831,524.233m	598,475.868m	S77° 53' O
10+560.00	831,520.033m	598,456.314m	S77° 53' O
10+580.00	831,515.832m	598,436.760m	S77° 53' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

10+600.00	831,511.632m	598,417.206m	S77° 53' O
10+620.00	831,507.431m	598,397.653m	S77° 53' O
10+640.00	831,503.231m	598,378.099m	S77° 53' O
10+660.00	831,499.030m	598,358.545m	S77° 53' O
10+680.00	831,494.830m	598,338.991m	S77° 53' O
10+700.00	831,490.629m	598,319.437m	S77° 53' O
10+720.00	831,486.429m	598,299.883m	S77° 53' O
10+740.00	831,482.228m	598,280.329m	S77° 53' O
10+760.00	831,478.028m	598,260.775m	S77° 53' O
10+780.00	831,473.827m	598,241.221m	S77° 53' O
10+800.00	831,469.627m	598,221.667m	S77° 53' O
10+820.00	831,465.426m	598,202.113m	S77° 53' O
10+840.00	831,461.226m	598,182.559m	S77° 53' O
10+860.00	831,457.025m	598,163.006m	S77° 53' O
10+880.00	831,452.825m	598,143.452m	S77° 53' O
10+900.00	831,448.624m	598,123.898m	S77° 53' O
10+920.00	831,444.424m	598,104.344m	S77° 53' O
10+940.00	831,440.223m	598,084.790m	S77° 53' O
10+960.00	831,436.023m	598,065.236m	S77° 53' O
10+980.00	831,431.822m	598,045.682m	S77° 53' O
11+000.00	831,427.622m	598,026.128m	S77° 53' O
11+020.00	831,423.421m	598,006.574m	S77° 53' O
11+040.00	831,419.221m	597,987.020m	S77° 53' O
11+060.00	831,415.020m	597,967.466m	S77° 53' O
11+080.00	831,410.820m	597,947.912m	S77° 53' O
11+100.00	831,406.619m	597,928.358m	S77° 53' O
11+120.00	831,402.419m	597,908.805m	S77° 53' O
11+140.00	831,398.218m	597,889.251m	S77° 53' O
11+160.00	831,394.018m	597,869.697m	S77° 53' O
11+180.00	831,389.817m	597,850.143m	S77° 53' O
11+200.00	831,385.617m	597,830.589m	S77° 53' O
11+220.00	831,382.089m	597,810.910m	S82° 37' O
11+240.00	831,380.513m	597,790.980m	S88° 21' O
11+260.00	831,380.935m	597,770.993m	N85° 56' O
11+280.00	831,383.351m	597,751.148m	N80° 12' O
11+300.00	831,387.735m	597,731.643m	N74° 28' O
11+320.00	831,393.853m	597,712.605m	N71° 19' O
11+340.00	831,400.257m	597,693.658m	N71° 19' O
11+360.00	831,406.661m	597,674.711m	N71° 19' O
11+380.00	831,413.065m	597,655.764m	N71° 19' O
11+400.00	831,419.469m	597,636.817m	N71° 19' O
11+420.00	831,425.873m	597,617.870m	N71° 19' O
11+440.00	831,432.277m	597,598.923m	N71° 19' O
11+460.00	831,438.681m	597,579.976m	N71° 19' O
11+480.00	831,444.060m	597,560.743m	N80° 40' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

11+500.00	831,444.813m	597,540.810m	S85° 00' O
11+520.00	831,440.611m	597,521.309m	S70° 41' O
11+540.00	831,431.715m	597,503.455m	S56° 21' O
11+560.00	831,418.678m	597,488.356m	S42° 02' O
11+580.00	831,402.312m	597,476.952m	S27° 42' O
11+600.00	831,384.287m	597,468.286m	S25° 31' O
11+620.00	831,366.237m	597,459.673m	S25° 31' O
11+640.00	831,348.187m	597,451.059m	S25° 31' O
11+660.00	831,330.137m	597,442.446m	S25° 31' O
11+680.00	831,312.087m	597,433.832m	S25° 31' O
11+700.00	831,294.147m	597,424.997m	S28° 22' O
11+720.00	831,277.052m	597,414.632m	S34° 06' O
11+740.00	831,261.078m	597,402.612m	S39° 49' O
11+760.00	831,246.383m	597,389.057m	S45° 33' O
11+780.00	831,233.115m	597,374.103m	S51° 17' O
11+800.00	831,221.406m	597,357.899m	S56° 56' O
11+820.00	831,210.491m	597,341.140m	S56° 56' O
11+840.00	831,199.577m	597,324.380m	S56° 56' O
11+860.00	831,188.663m	597,307.621m	S56° 56' O
11+880.00	831,177.748m	597,290.861m	S56° 56' O
11+900.00	831,166.834m	597,274.102m	S56° 56' O
11+920.00	831,155.920m	597,257.343m	S56° 56' O
11+940.00	831,145.006m	597,240.583m	S56° 56' O
11+960.00	831,134.091m	597,223.824m	S56° 56' O
11+980.00	831,123.177m	597,207.064m	S56° 56' O
12+000.00	831,112.263m	597,190.305m	S56° 56' O
12+020.00	831,101.349m	597,173.545m	S56° 56' O
12+040.00	831,090.434m	597,156.786m	S56° 56' O
12+060.00	831,079.520m	597,140.026m	S56° 56' O
12+080.00	831,068.606m	597,123.267m	S56° 56' O
12+100.00	831,057.692m	597,106.508m	S56° 56' O
12+120.00	831,046.777m	597,089.748m	S56° 56' O
12+140.00	831,035.863m	597,072.989m	S56° 56' O
12+160.00	831,024.949m	597,056.229m	S56° 56' O
12+180.00	831,014.035m	597,039.470m	S56° 56' O
12+200.00	831,003.120m	597,022.710m	S56° 56' O
12+220.00	830,992.214m	597,005.946m	S57° 34' O
12+240.00	830,982.568m	596,988.440m	S64° 43' O
12+260.00	830,975.180m	596,969.869m	S71° 53' O
12+280.00	830,970.165m	596,950.522m	S79° 03' O
12+300.00	830,967.601m	596,930.700m	S86° 13' O
12+320.00	830,966.764m	596,910.718m	S87° 46' O
12+340.00	830,965.987m	596,890.733m	S87° 46' O
12+360.00	830,965.209m	596,870.748m	S87° 46' O
12+380.00	830,964.432m	596,850.763m	S87° 46' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

12+400.00	830,963.655m	596,830.778m	S87° 46' O
12+420.00	830,962.877m	596,810.793m	S87° 46' O
12+440.00	830,962.100m	596,790.808m	S87° 46' O
12+460.00	830,961.323m	596,770.823m	S87° 46' O
12+480.00	830,960.545m	596,750.839m	S87° 46' O
12+500.00	830,959.768m	596,730.854m	S87° 46' O
12+520.00	830,958.991m	596,710.869m	S87° 46' O
12+540.00	830,958.214m	596,690.884m	S87° 46' O
12+560.00	830,957.436m	596,670.899m	S87° 46' O
12+580.00	830,956.659m	596,650.914m	S87° 46' O
12+600.00	830,955.882m	596,630.929m	S87° 46' O
12+620.00	830,955.104m	596,610.944m	S87° 46' O
12+640.00	830,954.327m	596,590.959m	S87° 46' O
12+660.00	830,953.550m	596,570.975m	S87° 46' O
12+680.00	830,952.773m	596,550.990m	S87° 46' O
12+700.00	830,951.995m	596,531.005m	S87° 46' O
12+720.00	830,951.218m	596,511.020m	S87° 46' O
12+740.00	830,950.441m	596,491.035m	S87° 46' O
12+760.00	830,949.663m	596,471.050m	S87° 46' O
12+780.00	830,948.886m	596,451.065m	S87° 46' O
12+800.00	830,948.109m	596,431.080m	S87° 46' O
12+820.00	830,947.331m	596,411.095m	S87° 46' O
12+840.00	830,946.554m	596,391.111m	S87° 46' O
12+860.00	830,945.777m	596,371.126m	S87° 46' O
12+880.00	830,945.000m	596,351.141m	S87° 46' O
12+900.00	830,944.222m	596,331.156m	S87° 46' O
12+920.00	830,943.445m	596,311.171m	S87° 46' O
12+940.00	830,942.668m	596,291.186m	S87° 46' O
12+960.00	830,941.890m	596,271.201m	S87° 46' O
12+980.00	830,941.113m	596,251.216m	S87° 46' O
13+000.00	830,940.336m	596,231.231m	S87° 46' O
13+020.00	830,939.558m	596,211.247m	S87° 46' O
13+040.00	830,938.781m	596,191.262m	S87° 46' O
13+060.00	830,938.004m	596,171.277m	S87° 46' O
13+080.00	830,937.227m	596,151.292m	S87° 46' O
13+100.00	830,936.449m	596,131.307m	S87° 46' O
13+120.00	830,935.672m	596,111.322m	S87° 46' O
13+140.00	830,934.895m	596,091.337m	S87° 46' O
13+160.00	830,934.117m	596,071.352m	S87° 46' O
13+180.00	830,933.340m	596,051.367m	S87° 46' O
13+200.00	830,932.270m	596,031.398m	S85° 14' O
13+220.00	830,929.946m	596,011.537m	S81° 25' O
13+240.00	830,926.305m	595,991.875m	S77° 36' O
13+260.00	830,921.362m	595,972.500m	S73° 47' O
13+280.00	830,915.140m	595,953.496m	S69° 58' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

13+300.00	830,907.982m	595,934.821m	S68° 53' O
13+320.00	830,900.775m	595,916.165m	S68° 53' O
13+340.00	830,893.568m	595,897.508m	S68° 53' O
13+360.00	830,886.361m	595,878.852m	S68° 53' O
13+380.00	830,879.154m	595,860.196m	S68° 53' O
13+400.00	830,871.947m	595,841.540m	S68° 53' O
13+420.00	830,864.740m	595,822.883m	S68° 53' O
13+440.00	830,857.337m	595,804.305m	S66° 44' O
13+460.00	830,848.831m	595,786.209m	S62° 55' O
13+480.00	830,839.137m	595,768.719m	S59° 06' O
13+500.00	830,828.301m	595,751.913m	S55° 23' O
13+520.00	830,816.939m	595,735.454m	S55° 23' O
13+540.00	830,805.577m	595,718.995m	S55° 23' O
13+560.00	830,794.215m	595,702.536m	S55° 23' O
13+580.00	830,782.853m	595,686.076m	S55° 23' O
13+600.00	830,771.491m	595,669.617m	S55° 23' O
13+620.00	830,760.129m	595,653.158m	S55° 23' O
13+640.00	830,748.768m	595,636.699m	S55° 23' O
13+660.00	830,737.406m	595,620.239m	S55° 23' O
13+680.00	830,726.044m	595,603.780m	S55° 23' O
13+700.00	830,714.682m	595,587.321m	S55° 23' O
13+720.00	830,703.320m	595,570.861m	S55° 23' O
13+740.00	830,691.958m	595,554.402m	S55° 23' O
13+760.00	830,680.596m	595,537.943m	S55° 23' O
13+780.00	830,669.234m	595,521.484m	S55° 23' O
13+800.00	830,657.872m	595,505.024m	S55° 23' O
13+820.00	830,646.511m	595,488.565m	S55° 23' O
13+840.00	830,635.149m	595,472.106m	S55° 23' O
13+860.00	830,623.787m	595,455.647m	S55° 23' O
13+880.00	830,612.425m	595,439.187m	S55° 23' O
13+900.00	830,601.051m	595,422.736m	S54° 50' O
13+920.00	830,588.994m	595,406.784m	S51° 00' O
13+940.00	830,575.901m	595,391.670m	S47° 11' O
13+960.00	830,561.830m	595,377.462m	S43° 22' O
13+980.00	830,546.844m	595,364.223m	S39° 33' O
14+000.00	830,531.010m	595,352.012m	S35° 44' O
14+020.00	830,514.415m	595,340.854m	S32° 47' O
14+040.00	830,497.600m	595,330.026m	S32° 47' O
14+060.00	830,480.784m	595,319.199m	S32° 47' O
14+080.00	830,463.968m	595,308.372m	S32° 47' O
14+100.00	830,447.152m	595,297.544m	S32° 47' O
14+120.00	830,430.337m	595,286.717m	S32° 47' O
14+140.00	830,413.521m	595,275.890m	S32° 47' O
14+160.00	830,396.705m	595,265.062m	S32° 47' O
14+180.00	830,379.889m	595,254.235m	S32° 47' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II

DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS

14+200.00	830,363.150m	595,243.291m	S34° 14' O
14+220.00	830,346.881m	595,231.662m	S36° 53' O
14+240.00	830,331.007m	595,219.496m	S37° 33' O
14+260.00	830,315.151m	595,207.307m	S37° 33' O
14+280.00	830,299.294m	595,195.117m	S37° 33' O
14+300.00	830,283.438m	595,182.928m	S37° 33' O
14+320.00	830,267.582m	595,170.738m	S37° 33' O
14+340.00	830,251.726m	595,158.549m	S37° 33' O
14+360.00	830,235.870m	595,146.359m	S37° 33' O
14+380.00	830,220.014m	595,134.170m	S37° 33' O
14+400.00	830,204.158m	595,121.980m	S37° 33' O
14+420.00	830,187.952m	595,110.284m	S30° 54' O
14+440.00	830,169.796m	595,101.994m	S18° 11' O
14+460.00	830,150.259m	595,097.910m	S5° 27' O
14+480.00	830,130.303m	595,098.232m	S7° 17' E
14+500.00	830,110.824m	595,102.668m	S15° 26' E
14+520.00	830,091.853m	595,108.936m	S23° 08' E
14+540.00	830,074.275m	595,118.418m	S33° 33' E
14+560.00	830,058.701m	595,130.923m	S43° 58' E
14+580.00	830,045.646m	595,146.038m	S54° 23' E
14+600.00	830,034.196m	595,162.436m	S55° 06' E
14+620.00	830,022.753m	595,178.839m	S55° 06' E
14+640.00	830,011.309m	595,195.241m	S54° 58' E
14+660.00	829,999.031m	595,211.018m	S49° 15' E
14+680.00	829,985.240m	595,225.491m	S43° 31' E
14+700.00	829,970.411m	595,238.911m	S41° 55' E
14+720.00	829,955.530m	595,252.273m	S41° 55' E
14+740.00	829,940.649m	595,265.636m	S41° 55' E
14+760.00	829,925.768m	595,278.998m	S41° 55' E
14+780.00	829,910.887m	595,292.360m	S41° 55' E
14+800.00	829,895.648m	595,305.295m	S35° 52' E
14+820.00	829,878.381m	595,315.322m	S24° 25' E
14+840.00	829,859.467m	595,321.718m	S12° 57' E
14+860.00	829,839.659m	595,324.229m	S1° 30' E
14+880.00	829,819.747m	595,322.754m	S9° 58' O
14+900.00	829,800.331m	595,317.985m	S14° 50' O
14+920.00	829,780.997m	595,312.864m	S14° 50' O
14+940.00	829,761.664m	595,307.743m	S14° 50' O
14+960.00	829,742.331m	595,302.622m	S14° 50' O
14+980.00	829,722.998m	595,297.501m	S14° 50' O
15+000.00	829,703.664m	595,292.380m	S14° 50' O
15+020.00	829,684.324m	595,287.286m	S14° 14' O
15+040.00	829,664.844m	595,282.760m	S11° 56' O
15+060.00	829,645.199m	595,279.016m	S9° 39' O
15+080.00	829,625.420m	595,276.061m	S7° 21' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

15+100.00	829,605.539m	595,273.899m	S5° 04' O
15+120.00	829,585.589m	595,272.488m	S3° 32' O
15+140.00	829,565.627m	595,271.254m	S3° 32' O
15+160.00	829,545.665m	595,270.019m	S3° 32' O
15+180.00	829,525.728m	595,268.474m	S6° 09' O
15+200.00	829,505.929m	595,265.672m	S9° 58' O
15+220.00	829,486.360m	595,261.556m	S13° 47' O
15+240.00	829,466.970m	595,256.654m	S14° 13' O
15+260.00	829,447.583m	595,251.744m	S14° 13' O
15+280.00	829,428.177m	595,246.906m	S13° 19' O
15+300.00	829,408.641m	595,242.626m	S11° 24' O
15+320.00	829,388.975m	595,238.991m	S9° 47' O
15+340.00	829,369.266m	595,235.593m	S9° 47' O
15+360.00	829,349.557m	595,232.194m	S9° 47' O
15+380.00	829,329.848m	595,228.795m	S9° 47' O
15+400.00	829,310.044m	595,226.062m	S4° 41' O
15+420.00	829,290.061m	595,225.602m	S2° 03' E
15+440.00	829,270.162m	595,227.490m	S8° 48' E
15+460.00	829,250.586m	595,231.557m	S13° 08' E
15+480.00	829,231.109m	595,236.101m	S13° 08' E
15+500.00	829,211.632m	595,240.645m	S13° 08' E
15+520.00	829,192.155m	595,245.190m	S13° 08' E
15+540.00	829,172.679m	595,249.734m	S13° 08' E
15+560.00	829,153.202m	595,254.278m	S13° 08' E
15+580.00	829,133.457m	595,256.779m	S3° 51' O
15+600.00	829,114.381m	595,251.292m	S28° 14' O
15+620.00	829,099.271m	595,238.420m	S52° 37' O
15+640.00	829,090.822m	595,220.459m	S77° 00' O
15+660.00	829,086.850m	595,200.857m	S78° 36' O
15+680.00	829,082.896m	595,181.252m	S78° 36' O
15+700.00	829,078.942m	595,161.647m	S78° 36' O
15+720.00	829,074.951m	595,142.049m	S77° 02' O
15+740.00	829,068.548m	595,123.137m	S65° 34' O
15+760.00	829,058.516m	595,105.874m	S54° 07' O
15+780.00	829,045.254m	595,090.948m	S42° 39' O
15+800.00	829,029.324m	595,078.903m	S33° 11' O
15+820.00	829,012.585m	595,067.956m	S33° 11' O
15+840.00	828,995.134m	595,058.238m	S23° 58' O
15+860.00	828,976.224m	595,051.813m	S13° 33' O
15+880.00	828,956.463m	595,048.913m	S3° 08' O
15+900.00	828,936.503m	595,049.634m	S7° 17' E
15+920.00	828,916.978m	595,053.865m	S15° 22' E
15+940.00	828,897.694m	595,059.168m	S15° 22' E
15+960.00	828,878.410m	595,064.470m	S15° 22' E
15+980.00	828,859.125m	595,069.772m	S15° 22' E

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

16+000.00	828,839.841m	595,075.074m	S15° 22' E
16+020.00	828,820.557m	595,080.377m	S15° 22' E
16+040.00	828,801.076m	595,084.854m	S9° 17' E
16+060.00	828,781.182m	595,086.756m	S1° 38' E
16+080.00	828,761.207m	595,086.049m	S4° 29' O
16+100.00	828,741.268m	595,084.488m	S4° 29' O
16+120.00	828,721.329m	595,082.927m	S4° 29' O
16+140.00	828,701.390m	595,081.365m	S4° 29' O
16+160.00	828,681.451m	595,079.804m	S4° 29' O
16+180.00	828,661.512m	595,078.243m	S4° 29' O
16+200.00	828,641.573m	595,076.682m	S4° 29' O
16+220.00	828,621.634m	595,075.121m	S4° 29' O
16+240.00	828,601.695m	595,073.560m	S4° 29' O
16+260.00	828,581.756m	595,071.999m	S4° 29' O
16+280.00	828,561.817m	595,070.438m	S4° 29' O
16+300.00	828,541.878m	595,068.877m	S4° 29' O
16+320.00	828,521.915m	595,067.779m	S0° 11' E
16+340.00	828,501.988m	595,069.269m	S8° 22' E
16+360.00	828,482.476m	595,073.581m	S16° 33' E
16+380.00	828,463.776m	595,080.627m	S24° 44' E
16+400.00	828,446.270m	595,090.264m	S32° 55' E
16+420.00	828,429.910m	595,101.765m	S35° 31' E
16+440.00	828,413.631m	595,113.384m	S35° 31' E
16+460.00	828,397.230m	595,124.824m	S32° 26' E
16+480.00	828,379.686m	595,134.397m	S24° 48' E
16+500.00	828,361.026m	595,141.553m	S17° 10' E
16+520.00	828,341.580m	595,146.165m	S9° 31' E
16+540.00	828,321.694m	595,148.150m	S1° 53' E
16+560.00	828,301.695m	595,148.171m	S0° 14' O
16+580.00	828,281.695m	595,148.089m	S0° 14' O
16+600.00	828,261.695m	595,148.008m	S0° 14' O
16+620.00	828,241.696m	595,147.926m	S0° 14' O
16+640.00	828,221.696m	595,147.844m	S0° 14' O
16+660.00	828,201.696m	595,147.763m	S0° 14' O
16+680.00	828,181.696m	595,147.681m	S0° 14' O
16+700.00	828,161.696m	595,147.599m	S0° 14' O
16+720.00	828,141.696m	595,147.518m	S0° 14' O
16+740.00	828,121.697m	595,147.436m	S0° 14' O
16+760.00	828,101.697m	595,147.354m	S0° 14' O
16+780.00	828,081.697m	595,147.273m	S0° 14' O
16+800.00	828,061.697m	595,147.191m	S0° 14' O
16+820.00	828,041.697m	595,147.109m	S0° 14' O
16+840.00	828,021.697m	595,147.027m	S0° 14' O
16+860.00	828,001.698m	595,146.946m	S0° 14' O
16+880.00	827,981.698m	595,146.864m	S0° 14' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

16+900.00	827,961.698m	595,146.782m	S0° 14' O
16+920.00	827,941.698m	595,146.701m	S0° 14' O
16+940.00	827,921.698m	595,146.619m	S0° 14' O
16+960.00	827,901.698m	595,146.537m	S0° 14' O
16+980.00	827,881.699m	595,146.456m	S0° 14' O
17+000.00	827,861.699m	595,146.374m	S0° 14' O
17+020.00	827,841.706m	595,145.997m	S3° 50' O
17+040.00	827,821.899m	595,143.336m	S11° 28' O
17+060.00	827,802.621m	595,138.065m	S19° 07' O
17+080.00	827,784.215m	595,130.279m	S26° 45' O
17+100.00	827,767.008m	595,120.115m	S34° 23' O
17+120.00	827,751.304m	595,107.754m	S42° 02' O
17+140.00	827,736.837m	595,093.945m	S43° 54' O
17+160.00	827,722.425m	595,080.078m	S43° 54' O
17+180.00	827,708.013m	595,066.212m	S43° 54' O
17+200.00	827,693.600m	595,052.345m	S43° 54' O
17+220.00	827,679.188m	595,038.478m	S43° 54' O
17+240.00	827,664.465m	595,024.960m	S37° 30' O
17+260.00	827,647.171m	595,015.031m	S22° 13' O
17+280.00	827,627.873m	595,010.010m	S6° 57' O
17+300.00	827,607.934m	595,010.252m	S8° 20' E
17+320.00	827,588.683m	595,015.527m	S19° 09' E
17+340.00	827,569.791m	595,022.090m	S19° 09' E
17+360.00	827,550.898m	595,028.653m	S19° 09' E
17+380.00	827,532.006m	595,035.216m	S19° 09' E
17+400.00	827,513.113m	595,041.779m	S19° 09' E
17+420.00	827,494.221m	595,048.343m	S19° 09' E
17+440.00	827,475.328m	595,054.906m	S19° 09' E
17+460.00	827,456.436m	595,061.469m	S19° 09' E
17+480.00	827,437.543m	595,068.032m	S19° 09' E
17+500.00	827,418.651m	595,074.595m	S19° 09' E
17+520.00	827,399.758m	595,081.158m	S19° 09' E
17+540.00	827,380.866m	595,087.721m	S19° 09' E
17+560.00	827,361.973m	595,094.284m	S19° 09' E
17+580.00	827,343.081m	595,100.847m	S19° 09' E
17+600.00	827,324.188m	595,107.411m	S19° 09' E
17+620.00	827,305.296m	595,113.974m	S19° 09' E
17+640.00	827,286.404m	595,120.537m	S19° 09' E
17+660.00	827,267.511m	595,127.100m	S19° 09' E
17+680.00	827,248.619m	595,133.663m	S19° 09' E
17+700.00	827,229.726m	595,140.226m	S19° 09' E
17+720.00	827,210.834m	595,146.789m	S19° 09' E
17+740.00	827,191.616m	595,152.210m	S9° 17' E
17+760.00	827,171.682m	595,152.946m	S5° 03' O
17+780.00	827,152.185m	595,148.728m	S19° 22' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II

DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS

17+800.00	827,134.338m	595,139.818m	S33° 42' O
17+820.00	827,119.250m	595,126.769m	S48° 01' O
17+840.00	827,106.897m	595,111.046m	S52° 34' O
17+860.00	827,094.740m	595,095.165m	S52° 34' O
17+880.00	827,082.583m	595,079.284m	S52° 34' O
17+900.00	827,070.426m	595,063.403m	S52° 34' O
17+920.00	827,058.270m	595,047.522m	S52° 34' O
17+940.00	827,045.031m	595,032.565m	S43° 21' O
17+960.00	827,029.322m	595,020.230m	S32° 56' O
17+980.00	827,011.642m	595,010.939m	S22° 31' O
18+000.00	826,992.574m	595,004.999m	S12° 06' O
18+020.00	826,972.745m	595,002.604m	S1° 41' O
18+040.00	826,952.787m	595,003.619m	S5° 09' E
18+060.00	826,932.868m	595,005.413m	S5° 09' E
18+080.00	826,912.948m	595,007.207m	S5° 09' E
18+100.00	826,893.029m	595,009.001m	S5° 09' E
18+120.00	826,873.110m	595,010.796m	S5° 09' E
18+140.00	826,853.190m	595,012.590m	S5° 09' E
18+160.00	826,833.271m	595,014.384m	S5° 09' E
18+180.00	826,813.352m	595,016.178m	S5° 09' E
18+200.00	826,793.432m	595,017.972m	S5° 09' E
18+220.00	826,773.513m	595,019.767m	S5° 09' E
18+240.00	826,753.593m	595,021.561m	S5° 09' E
18+260.00	826,733.674m	595,023.355m	S5° 09' E
18+280.00	826,713.755m	595,025.149m	S5° 09' E
18+300.00	826,693.873m	595,027.296m	S8° 08' E
18+320.00	826,674.203m	595,030.887m	S12° 33' E
18+340.00	826,654.867m	595,035.978m	S16° 57' E
18+360.00	826,635.939m	595,042.430m	S19° 38' E
18+380.00	826,617.103m	595,049.153m	S19° 38' E
18+400.00	826,598.267m	595,055.875m	S19° 38' E
18+420.00	826,579.430m	595,062.598m	S19° 38' E
18+440.00	826,560.509m	595,069.065m	S16° 05' E
18+460.00	826,540.962m	595,073.217m	S7° 54' E
18+480.00	826,521.023m	595,074.543m	S0° 17' O
18+500.00	826,501.098m	595,073.018m	S8° 28' O
18+520.00	826,481.552m	595,068.827m	S13° 54' O
18+540.00	826,462.138m	595,064.021m	S13° 54' O
18+560.00	826,442.724m	595,059.215m	S13° 54' O
18+580.00	826,423.310m	595,054.409m	S13° 54' O
18+600.00	826,403.896m	595,049.603m	S13° 54' O
18+620.00	826,384.482m	595,044.798m	S13° 54' O
18+640.00	826,365.068m	595,039.992m	S13° 54' O
18+660.00	826,345.831m	595,034.562m	S19° 38' O
18+680.00	826,327.583m	595,026.425m	S28° 26' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÍ - LOS ASIENTOS - CAÑAS**

18+700.00	826,310.797m	595,015.587m	S37° 15' O
18+720.00	826,295.870m	595,002.306m	S46° 04' O
18+740.00	826,283.019m	594,986.996m	S51° 57' O
18+760.00	826,270.692m	594,971.247m	S51° 57' O
18+780.00	826,258.366m	594,955.497m	S51° 57' O
18+800.00	826,246.039m	594,939.747m	S51° 57' O
18+820.00	826,233.712m	594,923.998m	S51° 57' O
18+840.00	826,221.385m	594,908.248m	S51° 57' O
18+860.00	826,208.960m	594,892.578m	S49° 12' O
18+880.00	826,194.591m	594,878.706m	S38° 47' O
18+900.00	826,177.950m	594,867.662m	S28° 22' O
18+920.00	826,159.587m	594,859.808m	S17° 57' O
18+940.00	826,140.106m	594,855.404m	S7° 32' O
18+960.00	826,120.148m	594,854.360m	S0° 52' O
18+980.00	826,100.150m	594,854.060m	S0° 52' O
19+000.00	826,080.153m	594,853.760m	S0° 52' O
19+020.00	826,060.155m	594,853.460m	S0° 52' O
19+040.00	826,040.157m	594,853.160m	S0° 52' O
19+060.00	826,020.159m	594,852.860m	S0° 52' O
19+080.00	826,000.162m	594,852.560m	S0° 52' O
19+100.00	825,980.164m	594,852.260m	S0° 52' O
19+120.00	825,960.173m	594,851.721m	S3° 09' O
19+140.00	825,940.254m	594,849.959m	S6° 58' O
19+160.00	825,920.498m	594,846.874m	S10° 47' O
19+180.00	825,900.990m	594,842.479m	S14° 36' O
19+200.00	825,881.810m	594,836.821m	S17° 40' O
19+220.00	825,862.753m	594,830.753m	S17° 40' O
19+240.00	825,843.695m	594,824.686m	S17° 40' O
19+260.00	825,824.591m	594,818.775m	S14° 48' O
19+280.00	825,804.938m	594,815.173m	S5° 59' O
19+300.00	825,784.965m	594,814.625m	S2° 50' E
19+320.00	825,765.145m	594,817.143m	S11° 39' E
19+340.00	825,745.944m	594,822.670m	S20° 28' E
19+360.00	825,727.280m	594,829.858m	S21° 05' E
19+380.00	825,708.619m	594,837.053m	S21° 05' E
19+400.00	825,689.708m	594,843.501m	S13° 30' E
19+420.00	825,669.903m	594,845.981m	S0° 46' E
19+440.00	825,650.040m	594,844.035m	S11° 58' O
19+460.00	825,631.093m	594,837.759m	S24° 42' O
19+480.00	825,613.689m	594,827.931m	S31° 01' O
19+500.00	825,596.550m	594,817.623m	S31° 01' O
19+520.00	825,579.411m	594,807.315m	S31° 01' O
19+540.00	825,562.272m	594,797.007m	S31° 01' O
19+560.00	825,544.736m	594,787.424m	S24° 00' O
19+580.00	825,525.828m	594,780.991m	S13° 35' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II

DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS

19+600.00	825,506.130m	594,777.573m	S8° 42' O
19+620.00	825,486.360m	594,774.549m	S8° 42' O
19+640.00	825,466.752m	594,770.694m	S15° 48' O
19+660.00	825,448.108m	594,763.532m	S26° 13' O
19+680.00	825,431.066m	594,753.117m	S36° 38' O
19+700.00	825,416.188m	594,739.792m	S47° 03' O
19+720.00	825,403.277m	594,724.522m	S50° 17' O
19+740.00	825,390.497m	594,709.138m	S50° 17' O
19+760.00	825,377.289m	594,694.137m	S43° 48' O
19+780.00	825,361.441m	594,682.004m	S31° 04' O
19+800.00	825,343.309m	594,673.663m	S18° 20' O
19+820.00	825,323.787m	594,669.504m	S6° 45' O
19+840.00	825,303.925m	594,667.154m	S6° 45' O
19+860.00	825,284.064m	594,664.804m	S6° 45' O
19+880.00	825,264.341m	594,661.542m	S12° 24' O
19+900.00	825,245.069m	594,656.230m	S18° 26' O
19+920.00	825,226.461m	594,648.922m	S24° 27' O
19+940.00	825,208.547m	594,640.033m	S26° 53' O
19+960.00	825,190.708m	594,630.991m	S26° 53' O
19+980.00	825,172.868m	594,621.949m	S26° 53' O
20+000.00	825,155.029m	594,612.908m	S26° 53' O
20+020.00	825,137.189m	594,603.866m	S26° 53' O
20+040.00	825,119.350m	594,594.824m	S26° 53' O
20+060.00	825,101.510m	594,585.783m	S26° 53' O
20+080.00	825,083.671m	594,576.741m	S26° 53' O
20+100.00	825,065.831m	594,567.699m	S26° 53' O
20+120.00	825,047.992m	594,558.658m	S26° 53' O
20+140.00	825,030.152m	594,549.616m	S26° 53' O
20+160.00	825,012.285m	594,540.631m	S25° 13' O
20+180.00	824,993.677m	594,533.339m	S17° 35' O
20+200.00	824,974.265m	594,528.586m	S9° 56' O
20+220.00	824,954.394m	594,526.456m	S2° 18' O
20+240.00	824,934.416m	594,526.986m	S5° 20' E
20+260.00	824,914.686m	594,530.168m	S12° 59' E
20+280.00	824,895.269m	594,534.962m	S13° 56' E
20+300.00	824,875.857m	594,539.777m	S13° 56' E
20+320.00	824,856.445m	594,544.591m	S13° 56' E
20+340.00	824,837.033m	594,549.406m	S13° 56' E
20+360.00	824,817.621m	594,554.220m	S13° 56' E
20+380.00	824,798.210m	594,559.035m	S13° 56' E
20+400.00	824,778.798m	594,563.849m	S13° 56' E
20+420.00	824,759.386m	594,568.664m	S13° 56' E
20+440.00	824,739.974m	594,573.478m	S13° 56' E
20+460.00	824,720.562m	594,578.293m	S13° 56' E
20+480.00	824,701.150m	594,583.107m	S13° 56' E

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

20+500.00	824,681.738m	594,587.922m	S13° 56' E
20+520.00	824,662.552m	594,593.540m	S19° 10' E
20+540.00	824,644.020m	594,601.039m	S24° 54' E
20+560.00	824,626.276m	594,610.256m	S28° 44' E
20+580.00	824,608.739m	594,619.872m	S28° 44' E
20+600.00	824,590.876m	594,628.836m	S22° 25' E
20+620.00	824,571.839m	594,634.893m	S12° 52' E
20+640.00	824,552.062m	594,637.707m	S3° 19' E
20+660.00	824,532.091m	594,637.201m	S6° 14' O
20+680.00	824,512.282m	594,634.452m	S8° 05' O
20+700.00	824,492.480m	594,631.641m	S8° 05' O
20+720.00	824,472.679m	594,628.830m	S8° 05' O
20+740.00	824,452.877m	594,626.019m	S8° 05' O
20+760.00	824,433.076m	594,623.208m	S8° 05' O
20+780.00	824,413.274m	594,620.396m	S8° 05' O
20+800.00	824,393.473m	594,617.585m	S8° 05' O
20+820.00	824,373.672m	594,614.774m	S8° 05' O
20+840.00	824,353.870m	594,611.963m	S8° 05' O
20+860.00	824,334.069m	594,609.152m	S8° 05' O
20+880.00	824,314.267m	594,606.340m	S8° 05' O
20+900.00	824,294.466m	594,603.529m	S8° 05' O
20+920.00	824,274.664m	594,600.718m	S8° 05' O
20+940.00	824,254.863m	594,597.907m	S8° 05' O
20+960.00	824,235.061m	594,595.096m	S8° 05' O
20+980.00	824,215.260m	594,592.285m	S8° 05' O
21+000.00	824,195.459m	594,589.473m	S8° 05' O
21+020.00	824,175.657m	594,586.662m	S8° 00' O
21+040.00	824,155.706m	594,585.872m	S3° 28' E
21+060.00	824,135.996m	594,589.060m	S14° 44' E
21+080.00	824,116.653m	594,594.145m	S14° 44' E
21+100.00	824,097.310m	594,599.231m	S14° 44' E
21+120.00	824,077.967m	594,604.316m	S14° 44' E
21+140.00	824,058.625m	594,609.401m	S14° 44' E
21+160.00	824,039.282m	594,614.486m	S14° 44' E
21+180.00	824,019.939m	594,619.571m	S14° 44' E
21+200.00	824,000.596m	594,624.656m	S14° 44' E
21+220.00	823,981.254m	594,629.741m	S14° 44' E
21+240.00	823,961.911m	594,634.827m	S14° 44' E
21+260.00	823,942.568m	594,639.912m	S14° 44' E
21+280.00	823,923.226m	594,644.997m	S14° 44' E
21+300.00	823,903.883m	594,650.082m	S14° 44' E
21+320.00	823,884.540m	594,655.167m	S14° 44' E
21+340.00	823,865.197m	594,660.252m	S14° 44' E
21+360.00	823,845.855m	594,665.338m	S14° 44' E
21+380.00	823,826.512m	594,670.423m	S14° 44' E

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

21+400.00	823,807.169m	594,675.508m	S14° 44' E
21+420.00	823,787.826m	594,680.593m	S14° 44' E
21+440.00	823,768.484m	594,685.678m	S14° 44' E
21+460.00	823,749.141m	594,690.763m	S14° 44' E
21+480.00	823,729.798m	594,695.848m	S14° 44' E
21+500.00	823,710.455m	594,700.934m	S14° 44' E
21+520.00	823,691.113m	594,706.019m	S14° 44' E
21+540.00	823,671.770m	594,711.104m	S14° 44' E
21+560.00	823,652.427m	594,716.189m	S14° 44' E
21+580.00	823,633.085m	594,721.274m	S14° 44' E
21+600.00	823,613.742m	594,726.359m	S14° 44' E
21+620.00	823,594.399m	594,731.445m	S14° 44' E
21+640.00	823,575.056m	594,736.530m	S14° 44' E
21+660.00	823,555.714m	594,741.615m	S14° 44' E
21+680.00	823,536.371m	594,746.700m	S14° 44' E
21+700.00	823,517.028m	594,751.785m	S14° 44' E
21+720.00	823,497.685m	594,756.870m	S14° 44' E
21+740.00	823,478.343m	594,761.955m	S14° 44' E
21+760.00	823,459.000m	594,767.041m	S14° 44' E
21+780.00	823,439.657m	594,772.126m	S14° 44' E
21+800.00	823,420.315m	594,777.211m	S14° 44' E
21+820.00	823,400.972m	594,782.296m	S14° 44' E
21+840.00	823,381.629m	594,787.381m	S14° 44' E
21+860.00	823,362.286m	594,792.466m	S14° 44' E
21+880.00	823,342.944m	594,797.552m	S14° 44' E
21+900.00	823,323.601m	594,802.637m	S14° 44' E
21+920.00	823,304.258m	594,807.722m	S14° 44' E
21+940.00	823,284.915m	594,812.807m	S14° 44' E
21+960.00	823,265.573m	594,817.892m	S14° 44' E
21+980.00	823,246.230m	594,822.977m	S14° 44' E
22+000.00	823,226.887m	594,828.062m	S14° 44' E
22+020.00	823,207.483m	594,832.889m	S10° 33' E
22+040.00	823,187.587m	594,834.567m	S0° 54' O
22+060.00	823,167.754m	594,832.260m	S12° 22' O
22+080.00	823,148.775m	594,826.058m	S23° 50' O
22+100.00	823,130.866m	594,817.160m	S26° 48' O
22+120.00	823,113.015m	594,808.140m	S26° 48' O
22+140.00	823,095.165m	594,799.120m	S26° 48' O
22+160.00	823,077.314m	594,790.100m	S26° 48' O
22+180.00	823,059.464m	594,781.080m	S26° 48' O
22+200.00	823,041.613m	594,772.060m	S26° 48' O
22+220.00	823,023.763m	594,763.040m	S26° 48' O
22+240.00	823,005.912m	594,754.020m	S26° 48' O
22+260.00	822,988.062m	594,745.000m	S26° 48' O
22+280.00	822,970.211m	594,735.980m	S26° 48' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II

DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS

22+300.00	822,952.361m	594,726.960m	S26° 48' O
22+320.00	822,934.494m	594,717.973m	S24° 45' O
22+340.00	822,915.257m	594,712.877m	S4° 55' O
22+360.00	822,895.432m	594,714.608m	S14° 54' E
22+380.00	822,877.242m	594,722.750m	S29° 26' E
22+400.00	822,859.825m	594,732.580m	S29° 26' E
22+420.00	822,842.407m	594,742.410m	S29° 26' E
22+440.00	822,824.990m	594,752.240m	S29° 26' E
22+460.00	822,807.572m	594,762.070m	S29° 26' E
22+480.00	822,790.155m	594,771.901m	S29° 26' E
22+500.00	822,772.737m	594,781.731m	S29° 26' E
22+520.00	822,755.320m	594,791.561m	S29° 26' E
22+540.00	822,737.902m	594,801.391m	S29° 26' E
22+560.00	822,720.485m	594,811.221m	S29° 26' E
22+580.00	822,703.067m	594,821.051m	S29° 26' E
22+600.00	822,685.650m	594,830.881m	S29° 26' E
22+620.00	822,668.233m	594,840.711m	S29° 26' E
22+640.00	822,650.815m	594,850.542m	S29° 26' E
22+660.00	822,633.398m	594,860.372m	S29° 26' E
22+680.00	822,615.980m	594,870.202m	S29° 26' E
22+700.00	822,598.563m	594,880.032m	S29° 26' E
22+720.00	822,581.145m	594,889.862m	S29° 26' E
22+740.00	822,563.786m	594,899.793m	S31° 13' E
22+760.00	822,547.131m	594,910.855m	S35° 58' E
22+780.00	822,531.446m	594,923.255m	S40° 42' E
22+800.00	822,516.839m	594,936.909m	S45° 26' E
22+820.00	822,502.834m	594,951.187m	S45° 33' E
22+840.00	822,488.829m	594,965.465m	S45° 33' E
22+860.00	822,474.824m	594,979.743m	S45° 33' E
22+880.00	822,460.820m	594,994.021m	S45° 33' E
22+900.00	822,446.815m	595,008.299m	S45° 33' E
22+920.00	822,432.810m	595,022.577m	S45° 33' E
22+940.00	822,418.805m	595,036.855m	S45° 33' E
22+960.00	822,404.800m	595,051.133m	S45° 33' E
22+980.00	822,390.795m	595,065.412m	S45° 33' E
23+000.00	822,376.791m	595,079.690m	S45° 33' E
23+020.00	822,362.786m	595,093.968m	S45° 33' E
23+040.00	822,348.781m	595,108.246m	S45° 33' E
23+060.00	822,334.776m	595,122.524m	S45° 33' E
23+080.00	822,320.615m	595,136.646m	S44° 12' E
23+100.00	822,306.099m	595,150.403m	S42° 44' E
23+120.00	822,291.236m	595,163.785m	S41° 16' E
23+140.00	822,276.036m	595,176.782m	S39° 48' E
23+160.00	822,260.508m	595,189.388m	S38° 20' E
23+180.00	822,244.665m	595,201.592m	S36° 52' E

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II

DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS

23+200.00	822,228.517m	595,213.391m	S35° 36' E
23+220.00	822,212.256m	595,225.035m	S35° 36' E
23+240.00	822,195.995m	595,236.679m	S35° 36' E
23+260.00	822,179.734m	595,248.323m	S35° 36' E
23+280.00	822,163.473m	595,259.967m	S35° 36' E
23+300.00	822,147.689m	595,272.241m	S40° 11' E
23+320.00	822,132.946m	595,285.748m	S44° 48' E
23+340.00	822,119.341m	595,300.400m	S49° 26' E
23+360.00	822,106.676m	595,315.878m	S50° 58' E
23+380.00	822,094.079m	595,331.412m	S50° 58' E
23+400.00	822,081.482m	595,346.947m	S50° 58' E
23+420.00	822,068.885m	595,362.481m	S50° 58' E
23+440.00	822,056.288m	595,378.016m	S50° 58' E
23+460.00	822,043.691m	595,393.550m	S50° 58' E
23+480.00	822,031.094m	595,409.084m	S50° 58' E
23+500.00	822,018.497m	595,424.619m	S50° 58' E
23+520.00	822,005.900m	595,440.153m	S50° 58' E
23+540.00	821,993.304m	595,455.688m	S50° 58' E
23+560.00	821,980.560m	595,471.101m	S49° 24' E
23+580.00	821,967.247m	595,486.024m	S47° 08' E
23+600.00	821,953.354m	595,500.410m	S44° 52' E
23+620.00	821,938.905m	595,514.236m	S42° 36' E
23+640.00	821,924.126m	595,527.712m	S42° 21' E
23+660.00	821,909.345m	595,541.184m	S42° 21' E
23+680.00	821,894.563m	595,554.656m	S42° 21' E
23+700.00	821,879.781m	595,568.128m	S42° 21' E
23+720.00	821,864.999m	595,581.600m	S42° 21' E
23+740.00	821,850.217m	595,595.073m	S42° 21' E
23+760.00	821,835.436m	595,608.545m	S42° 21' E
23+780.00	821,820.654m	595,622.017m	S42° 21' E
23+800.00	821,805.872m	595,635.489m	S42° 21' E
23+820.00	821,790.591m	595,648.359m	S34° 16' E
23+840.00	821,772.816m	595,657.409m	S19° 42' E
23+860.00	821,753.336m	595,661.694m	S5° 07' E
23+880.00	821,733.404m	595,660.941m	S9° 27' O
23+900.00	821,714.065m	595,655.897m	S16° 10' O
23+920.00	821,694.855m	595,650.330m	S16° 10' O
23+940.00	821,675.646m	595,644.762m	S16° 10' O
23+960.00	821,656.436m	595,639.195m	S16° 10' O
23+980.00	821,637.227m	595,633.627m	S16° 10' O
24+000.00	821,618.017m	595,628.060m	S16° 10' O
24+020.00	821,598.808m	595,622.493m	S16° 10' O
24+040.00	821,579.541m	595,617.133m	S13° 45' O
24+060.00	821,559.940m	595,613.190m	S9° 00' O
24+080.00	821,540.079m	595,610.879m	S4° 16' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

24+100.00	821,520.096m	595,610.216m	S0° 28' E
24+120.00	821,500.126m	595,611.206m	S5° 12' E
24+140.00	821,480.220m	595,613.137m	S5° 33' E
24+160.00	821,460.314m	595,615.072m	S5° 33' E
24+180.00	821,440.407m	595,617.008m	S5° 33' E
24+200.00	821,420.501m	595,618.943m	S5° 33' E
24+220.00	821,400.595m	595,620.878m	S5° 33' E
24+240.00	821,380.681m	595,622.710m	S2° 49' E
24+260.00	821,360.758m	595,621.496m	S9° 47' O
24+280.00	821,341.579m	595,615.966m	S22° 23' O
24+300.00	821,324.069m	595,606.386m	S34° 59' O
24+320.00	821,309.056m	595,593.231m	S46° 23' O
24+340.00	821,295.259m	595,578.752m	S46° 23' O
24+360.00	821,281.462m	595,564.273m	S46° 23' O
24+380.00	821,267.665m	595,549.794m	S46° 23' O
24+400.00	821,253.868m	595,535.314m	S46° 23' O
24+420.00	821,240.071m	595,520.835m	S46° 23' O
24+440.00	821,226.274m	595,506.356m	S46° 23' O
24+460.00	821,212.477m	595,491.877m	S46° 23' O
24+480.00	821,198.680m	595,477.398m	S46° 23' O
24+500.00	821,184.883m	595,462.919m	S46° 23' O
24+520.00	821,171.086m	595,448.440m	S46° 23' O
24+540.00	821,157.289m	595,433.961m	S46° 23' O
24+560.00	821,143.492m	595,419.482m	S46° 23' O
24+580.00	821,129.695m	595,405.003m	S46° 23' O
24+600.00	821,115.898m	595,390.524m	S46° 23' O
24+620.00	821,102.101m	595,376.045m	S46° 23' O
24+640.00	821,088.304m	595,361.566m	S46° 23' O
24+660.00	821,074.507m	595,347.087m	S46° 23' O
24+680.00	821,060.710m	595,332.608m	S46° 23' O
24+700.00	821,046.913m	595,318.129m	S46° 23' O
24+720.00	821,033.116m	595,303.650m	S46° 23' O
24+740.00	821,019.319m	595,289.170m	S46° 23' O
24+760.00	821,005.522m	595,274.691m	S46° 23' O
24+780.00	820,991.725m	595,260.212m	S46° 23' O
24+800.00	820,978.475m	595,245.250m	S52° 59' O
24+820.00	820,967.951m	595,228.276m	S63° 25' O
24+840.00	820,960.672m	595,209.677m	S73° 50' O
24+860.00	820,956.855m	595,190.071m	S83° 04' O
24+880.00	820,954.444m	595,170.217m	S83° 04' O
24+900.00	820,952.033m	595,150.363m	S83° 04' O
24+920.00	820,949.621m	595,130.509m	S83° 04' O
24+940.00	820,947.210m	595,110.655m	S83° 04' O
24+960.00	820,944.798m	595,090.801m	S83° 04' O
24+980.00	820,942.387m	595,070.947m	S83° 04' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

25+000.00	820,939.975m	595,051.092m	S83° 04' O
25+020.00	820,937.564m	595,031.238m	S83° 04' O
25+040.00	820,935.153m	595,011.384m	S83° 04' O
25+060.00	820,932.741m	594,991.530m	S83° 04' O
25+080.00	820,930.330m	594,971.676m	S83° 04' O
25+100.00	820,927.918m	594,951.822m	S83° 04' O
25+120.00	820,925.507m	594,931.968m	S83° 04' O
25+140.00	820,923.096m	594,912.114m	S83° 04' O
25+160.00	820,920.684m	594,892.260m	S83° 04' O
25+180.00	820,918.273m	594,872.406m	S83° 04' O
25+200.00	820,915.861m	594,852.551m	S83° 04' O
25+220.00	820,913.450m	594,832.697m	S83° 04' O
25+240.00	820,911.038m	594,812.843m	S83° 04' O
25+260.00	820,908.627m	594,792.989m	S83° 04' O
25+280.00	820,906.216m	594,773.135m	S83° 04' O
25+300.00	820,903.804m	594,753.281m	S83° 04' O
25+320.00	820,901.393m	594,733.427m	S83° 04' O
25+340.00	820,898.981m	594,713.573m	S83° 04' O
25+360.00	820,896.570m	594,693.719m	S83° 04' O
25+380.00	820,894.159m	594,673.865m	S83° 04' O
25+400.00	820,891.747m	594,654.011m	S83° 04' O
25+420.00	820,889.336m	594,634.156m	S83° 04' O
25+440.00	820,886.924m	594,614.302m	S83° 04' O
25+460.00	820,884.513m	594,594.448m	S83° 04' O
25+480.00	820,882.101m	594,574.594m	S83° 04' O
25+500.00	820,879.690m	594,554.740m	S83° 04' O
25+520.00	820,877.279m	594,534.886m	S83° 04' O
25+540.00	820,874.867m	594,515.032m	S83° 04' O
25+560.00	820,872.456m	594,495.178m	S83° 04' O
25+580.00	820,870.044m	594,475.324m	S83° 04' O
25+600.00	820,867.633m	594,455.470m	S83° 04' O
25+620.00	820,865.222m	594,435.615m	S83° 04' O
25+640.00	820,861.903m	594,415.911m	S75° 45' O
25+660.00	820,855.288m	594,397.064m	S65° 34' O
25+680.00	820,845.450m	594,379.682m	S55° 46' O
25+700.00	820,834.198m	594,363.147m	S55° 46' O
25+720.00	820,822.945m	594,346.613m	S55° 46' O
25+740.00	820,811.693m	594,330.078m	S55° 46' O
25+760.00	820,800.441m	594,313.544m	S55° 46' O
25+780.00	820,789.189m	594,297.010m	S55° 46' O
25+800.00	820,777.936m	594,280.475m	S55° 46' O
25+820.00	820,766.684m	594,263.941m	S55° 46' O
25+840.00	820,755.432m	594,247.406m	S55° 46' O
25+860.00	820,744.179m	594,230.872m	S55° 46' O
25+880.00	820,732.927m	594,214.338m	S55° 46' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II

DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS

25+900.00	820,721.675m	594,197.803m	S55° 46' O
25+920.00	820,710.423m	594,181.269m	S55° 46' O
25+940.00	820,699.170m	594,164.734m	S55° 46' O
25+960.00	820,687.918m	594,148.200m	S55° 46' O
25+980.00	820,676.666m	594,131.666m	S55° 46' O
26+000.00	820,665.413m	594,115.131m	S55° 46' O
26+020.00	820,654.161m	594,098.597m	S55° 46' O
26+040.00	820,642.909m	594,082.062m	S55° 46' O
26+060.00	820,631.657m	594,065.528m	S55° 46' O
26+080.00	820,620.404m	594,048.994m	S55° 46' O
26+100.00	820,609.152m	594,032.459m	S55° 46' O
26+120.00	820,597.900m	594,015.925m	S55° 46' O
26+140.00	820,586.647m	593,999.390m	S55° 46' O
26+160.00	820,575.395m	593,982.856m	S55° 46' O
26+180.00	820,564.143m	593,966.322m	S55° 46' O
26+200.00	820,552.891m	593,949.787m	S55° 46' O
26+220.00	820,542.107m	593,932.956m	S61° 26' O
26+240.00	820,534.143m	593,914.638m	S71° 34' O
26+260.00	820,529.526m	593,895.206m	S81° 42' O
26+280.00	820,528.398m	593,875.263m	N88° 10' O
26+300.00	820,530.795m	593,855.434m	N78° 21' O
26+320.00	820,534.832m	593,835.845m	N78° 21' O
26+340.00	820,538.869m	593,816.257m	N78° 21' O
26+360.00	820,542.906m	593,796.669m	N78° 21' O
26+380.00	820,546.944m	593,777.080m	N78° 21' O
26+400.00	820,550.981m	593,757.492m	N78° 21' O
26+420.00	820,555.018m	593,737.904m	N78° 21' O
26+440.00	820,559.055m	593,718.316m	N78° 21' O
26+460.00	820,563.092m	593,698.727m	N78° 21' O
26+480.00	820,567.130m	593,679.139m	N78° 21' O
26+500.00	820,571.167m	593,659.551m	N78° 21' O
26+520.00	820,575.204m	593,639.962m	N78° 21' O
26+540.00	820,579.241m	593,620.374m	N78° 21' O
26+560.00	820,583.278m	593,600.786m	N78° 21' O
26+580.00	820,587.315m	593,581.198m	N78° 21' O
26+600.00	820,591.353m	593,561.609m	N78° 21' O
26+620.00	820,595.390m	593,542.021m	N78° 21' O
26+640.00	820,599.427m	593,522.433m	N78° 21' O
26+660.00	820,603.464m	593,502.844m	N78° 21' O
26+680.00	820,607.501m	593,483.256m	N78° 21' O
26+700.00	820,611.539m	593,463.668m	N78° 21' O
26+720.00	820,615.576m	593,444.080m	N78° 21' O
26+740.00	820,619.613m	593,424.491m	N78° 21' O
26+760.00	820,623.650m	593,404.903m	N78° 21' O
26+780.00	820,627.687m	593,385.315m	N78° 21' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II

DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS

26+800.00	820,631.724m	593,365.726m	N78° 21' O
26+820.00	820,635.762m	593,346.138m	N78° 21' O
26+840.00	820,639.799m	593,326.550m	N78° 21' O
26+860.00	820,643.836m	593,306.961m	N78° 21' O
26+880.00	820,647.873m	593,287.373m	N78° 21' O
26+900.00	820,651.910m	593,267.785m	N78° 21' O
26+920.00	820,655.948m	593,248.197m	N78° 21' O
26+940.00	820,659.985m	593,228.608m	N78° 21' O
26+960.00	820,664.022m	593,209.020m	N78° 21' O
26+980.00	820,668.059m	593,189.432m	N78° 21' O
27+000.00	820,672.096m	593,169.843m	N78° 21' O
27+020.00	820,676.134m	593,150.255m	N78° 21' O
27+040.00	820,679.374m	593,130.527m	N83° 21' O
27+060.00	820,680.751m	593,110.582m	N88° 45' O
27+080.00	820,680.246m	593,090.595m	S85° 51' O
27+100.00	820,677.865m	593,070.745m	S80° 28' O
27+120.00	820,674.531m	593,051.025m	S80° 24' O
27+140.00	820,671.198m	593,031.305m	S80° 24' O
27+160.00	820,667.864m	593,011.584m	S80° 24' O
27+180.00	820,664.530m	592,991.864m	S80° 24' O
27+200.00	820,661.196m	592,972.144m	S80° 24' O
27+220.00	820,657.863m	592,952.424m	S80° 24' O
27+240.00	820,654.529m	592,932.704m	S80° 24' O
27+260.00	820,651.195m	592,912.983m	S80° 24' O
27+280.00	820,647.861m	592,893.263m	S80° 24' O
27+300.00	820,644.528m	592,873.543m	S80° 24' O
27+320.00	820,641.194m	592,853.823m	S80° 24' O
27+340.00	820,637.860m	592,834.103m	S80° 24' O
27+360.00	820,634.528m	592,814.382m	S80° 37' O
27+380.00	820,632.593m	592,794.491m	S88° 16' O
27+400.00	820,633.325m	592,774.519m	N84° 04' O
27+420.00	820,636.710m	592,754.823m	N76° 25' O
27+440.00	820,641.449m	592,735.393m	N76° 18' O
27+460.00	820,646.188m	592,715.962m	N76° 18' O
27+480.00	820,650.928m	592,696.532m	N76° 18' O
27+500.00	820,655.619m	592,677.090m	N77° 48' O
27+520.00	820,658.467m	592,657.310m	N85° 49' O
27+540.00	820,658.531m	592,637.327m	S86° 11' O
27+560.00	820,655.811m	592,617.529m	S78° 10' O
27+580.00	820,650.849m	592,598.157m	S75° 01' O
27+600.00	820,645.676m	592,578.838m	S75° 01' O
27+620.00	820,640.503m	592,559.519m	S75° 01' O
27+640.00	820,635.330m	592,540.199m	S75° 01' O
27+660.00	820,630.156m	592,520.880m	S75° 01' O
27+680.00	820,624.983m	592,501.561m	S75° 01' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

27+700.00	820,619.810m	592,482.241m	S75° 01' O
27+720.00	820,614.636m	592,462.922m	S75° 01' O
27+740.00	820,609.463m	592,443.603m	S75° 01' O
27+760.00	820,604.290m	592,424.283m	S75° 01' O
27+780.00	820,599.116m	592,404.964m	S75° 01' O
27+800.00	820,593.421m	592,385.797m	S71° 09' O
27+820.00	820,586.182m	592,367.159m	S66° 23' O
27+840.00	820,577.419m	592,349.188m	S61° 37' O
27+860.00	820,567.193m	592,332.006m	S56° 51' O
27+880.00	820,555.611m	592,315.707m	S53° 12' O
27+900.00	820,543.629m	592,299.693m	S53° 12' O
27+920.00	820,531.647m	592,283.679m	S53° 12' O
27+940.00	820,519.666m	592,267.665m	S53° 12' O
27+960.00	820,507.684m	592,251.652m	S53° 12' O
27+980.00	820,495.703m	592,235.638m	S53° 12' O
28+000.00	820,483.721m	592,219.624m	S53° 12' O
28+020.00	820,471.739m	592,203.610m	S53° 12' O
28+040.00	820,459.758m	592,187.597m	S53° 12' O
28+060.00	820,448.011m	592,171.414m	S56° 35' O
28+080.00	820,438.032m	592,154.096m	S63° 31' O
28+100.00	820,430.212m	592,135.701m	S70° 26' O
28+120.00	820,424.667m	592,116.498m	S77° 21' O
28+140.00	820,421.477m	592,096.766m	S84° 17' O
28+160.00	820,420.688m	592,076.794m	N88° 48' O
28+180.00	820,422.053m	592,056.845m	N85° 06' O
28+200.00	820,423.762m	592,036.918m	N85° 06' O
28+220.00	820,425.470m	592,016.991m	N85° 06' O
28+240.00	820,427.179m	591,997.064m	N85° 06' O
28+260.00	820,428.888m	591,977.137m	N85° 06' O
28+280.00	820,430.597m	591,957.210m	N85° 06' O
28+300.00	820,432.306m	591,937.284m	N85° 06' O
28+320.00	820,433.999m	591,917.355m	N85° 27' O
28+340.00	820,435.342m	591,897.401m	N86° 50' O
28+360.00	820,436.202m	591,877.420m	N88° 14' O
28+380.00	820,436.608m	591,857.424m	N89° 08' O
28+400.00	820,436.910m	591,837.427m	N89° 08' O
28+420.00	820,437.212m	591,817.429m	N89° 08' O
28+440.00	820,437.515m	591,797.431m	N89° 08' O
28+460.00	820,437.817m	591,777.434m	N89° 08' O
28+480.00	820,438.119m	591,757.436m	N89° 08' O
28+500.00	820,438.421m	591,737.438m	N89° 07' O
28+520.00	820,438.784m	591,717.442m	N88° 48' O
28+540.00	820,439.259m	591,697.447m	N88° 29' O
28+560.00	820,439.845m	591,677.456m	N88° 10' O
28+580.00	820,440.543m	591,657.468m	N87° 50' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

28+600.00	820,441.352m	591,637.484m	N87° 31' O
28+620.00	820,442.273m	591,617.506m	N87° 12' O
28+640.00	820,443.276m	591,597.531m	N87° 07' O
28+660.00	820,444.285m	591,577.556m	N87° 07' O
28+680.00	820,445.293m	591,557.582m	N87° 07' O
28+700.00	820,446.302m	591,537.607m	N87° 07' O
28+720.00	820,447.549m	591,517.649m	N84° 07' O
28+740.00	820,450.729m	591,497.914m	N77° 35' O
28+760.00	820,456.134m	591,478.670m	N71° 03' O
28+780.00	820,463.693m	591,460.165m	N64° 31' O
28+800.00	820,473.183m	591,442.567m	N60° 18' O
28+820.00	820,482.926m	591,425.103m	N63° 16' O
28+840.00	820,490.629m	591,406.664m	N71° 23' O
28+860.00	820,495.648m	591,387.321m	N79° 31' O
28+880.00	820,497.883m	591,367.463m	N87° 39' O
28+900.00	820,498.652m	591,347.478m	N87° 48' O
28+920.00	820,499.421m	591,327.493m	N87° 48' O
28+940.00	820,500.191m	591,307.508m	N87° 48' O
28+960.00	820,500.960m	591,287.523m	N87° 48' O
28+980.00	820,501.729m	591,267.537m	N87° 48' O
29+000.00	820,502.498m	591,247.552m	N87° 48' O
29+020.00	820,503.267m	591,227.567m	N87° 48' O
29+040.00	820,504.036m	591,207.582m	N87° 48' O
29+060.00	820,504.806m	591,187.597m	N87° 48' O
29+080.00	820,505.575m	591,167.611m	N87° 48' O
29+100.00	820,506.344m	591,147.626m	N87° 48' O
29+120.00	820,507.113m	591,127.641m	N87° 48' O
29+140.00	820,507.882m	591,107.656m	N87° 48' O
29+160.00	820,508.651m	591,087.671m	N87° 48' O
29+180.00	820,509.421m	591,067.685m	N87° 48' O
29+200.00	820,511.373m	591,047.813m	N78° 04' O
29+220.00	820,517.828m	591,028.935m	N64° 11' O
29+240.00	820,528.623m	591,012.157m	N50° 18' O
29+260.00	820,543.129m	590,998.459m	N36° 25' O
29+280.00	820,560.371m	590,988.379m	N27° 22' O
29+300.00	820,578.133m	590,979.186m	N27° 22' O
29+320.00	820,595.582m	590,969.421m	N31° 26' O
29+340.00	820,612.230m	590,958.346m	N35° 50' O
29+360.00	820,627.976m	590,946.023m	N40° 15' O
29+380.00	820,642.737m	590,932.536m	N44° 05' O
29+400.00	820,657.105m	590,918.622m	N44° 05' O
29+420.00	820,671.472m	590,904.709m	N44° 05' O
29+440.00	820,685.839m	590,890.796m	N44° 05' O
29+460.00	820,700.207m	590,876.882m	N44° 05' O
29+480.00	820,714.574m	590,862.969m	N44° 05' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

29+500.00	820,728.941m	590,849.056m	N44° 05' O
29+520.00	820,743.309m	590,835.142m	N44° 05' O
29+540.00	820,757.676m	590,821.229m	N44° 05' O
29+560.00	820,772.043m	590,807.316m	N44° 05' O
29+580.00	820,786.411m	590,793.403m	N44° 05' O
29+600.00	820,800.778m	590,779.489m	N44° 05' O
29+620.00	820,815.145m	590,765.576m	N44° 05' O
29+640.00	820,829.513m	590,751.663m	N44° 05' O
29+660.00	820,843.880m	590,737.749m	N44° 05' O
29+680.00	820,858.247m	590,723.836m	N44° 05' O
29+700.00	820,872.615m	590,709.923m	N44° 05' O
29+720.00	820,886.982m	590,696.010m	N44° 05' O
29+740.00	820,901.349m	590,682.096m	N44° 05' O
29+760.00	820,915.717m	590,668.183m	N44° 05' O
29+780.00	820,930.084m	590,654.270m	N44° 05' O
29+800.00	820,944.452m	590,640.356m	N44° 05' O
29+820.00	820,958.819m	590,626.443m	N44° 05' O
29+840.00	820,973.186m	590,612.530m	N44° 02' O
29+860.00	820,988.181m	590,599.305m	N38° 47' O
29+880.00	821,004.320m	590,587.506m	N33° 33' O
29+900.00	821,021.470m	590,577.229m	N28° 19' O
29+920.00	821,039.487m	590,568.562m	N23° 04' O
29+940.00	821,058.207m	590,561.539m	N18° 55' O
29+960.00	821,077.127m	590,555.055m	N18° 55' O
29+980.00	821,096.047m	590,548.572m	N18° 55' O
30+000.00	821,114.967m	590,542.088m	N18° 55' O
30+020.00	821,133.887m	590,535.604m	N18° 55' O
30+040.00	821,152.790m	590,529.074m	N20° 05' O
30+060.00	821,171.253m	590,521.400m	N25° 03' O
30+080.00	821,188.982m	590,512.158m	N30° 01' O
30+100.00	821,205.845m	590,501.415m	N34° 59' O
30+120.00	821,221.914m	590,489.510m	N36° 55' O
30+140.00	821,237.905m	590,477.498m	N36° 55' O
30+160.00	821,253.897m	590,465.487m	N36° 55' O
30+180.00	821,269.888m	590,453.476m	N36° 55' O
30+200.00	821,285.880m	590,441.464m	N36° 55' O
30+220.00	821,301.871m	590,429.453m	N36° 55' O
30+240.00	821,317.863m	590,417.442m	N36° 55' O
30+260.00	821,333.854m	590,405.430m	N36° 55' O
30+280.00	821,349.846m	590,393.419m	N36° 55' O
30+300.00	821,365.837m	590,381.408m	N36° 55' O
30+320.00	821,381.829m	590,369.396m	N36° 55' O
30+340.00	821,397.820m	590,357.385m	N36° 55' O
30+360.00	821,413.812m	590,345.374m	N36° 55' O
30+380.00	821,429.803m	590,333.362m	N36° 55' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

30+400.00	821,445.795m	590,321.351m	N36° 55' O
30+420.00	821,461.786m	590,309.340m	N36° 55' O
30+440.00	821,477.778m	590,297.328m	N36° 55' O
30+460.00	821,493.769m	590,285.317m	N36° 55' O
30+480.00	821,509.761m	590,273.306m	N36° 55' O
30+500.00	821,525.752m	590,261.294m	N36° 55' O
30+520.00	821,541.744m	590,249.283m	N36° 55' O
30+540.00	821,557.735m	590,237.272m	N36° 55' O
30+560.00	821,573.628m	590,225.133m	N39° 56' O
30+580.00	821,587.784m	590,211.040m	N49° 49' O
30+600.00	821,599.310m	590,194.726m	N59° 42' O
30+620.00	821,607.865m	590,176.675m	N69° 35' O
30+640.00	821,613.518m	590,157.502m	N75° 07' O
30+660.00	821,618.654m	590,138.172m	N75° 07' O
30+680.00	821,623.790m	590,118.843m	N75° 07' O
30+700.00	821,628.926m	590,099.514m	N75° 07' O
30+720.00	821,634.062m	590,080.184m	N75° 07' O
30+740.00	821,639.198m	590,060.855m	N75° 07' O
30+760.00	821,644.334m	590,041.526m	N75° 07' O
30+780.00	821,649.470m	590,022.197m	N75° 07' O
30+800.00	821,654.606m	590,002.867m	N75° 07' O
30+820.00	821,659.742m	589,983.538m	N75° 07' O
30+840.00	821,664.878m	589,964.209m	N75° 07' O
30+860.00	821,670.014m	589,944.879m	N75° 07' O
30+880.00	821,675.150m	589,925.550m	N75° 07' O
30+900.00	821,680.287m	589,906.221m	N75° 07' O
30+920.00	821,685.423m	589,886.892m	N75° 07' O
30+940.00	821,690.559m	589,867.562m	N75° 07' O
30+960.00	821,695.695m	589,848.233m	N75° 07' O
30+980.00	821,700.831m	589,828.904m	N75° 07' O
31+000.00	821,705.967m	589,809.574m	N75° 07' O
31+020.00	821,711.103m	589,790.245m	N75° 07' O
31+040.00	821,716.239m	589,770.916m	N75° 07' O
31+060.00	821,721.375m	589,751.587m	N75° 07' O
31+080.00	821,726.511m	589,732.257m	N75° 07' O
31+100.00	821,731.647m	589,712.928m	N75° 07' O
31+120.00	821,736.783m	589,693.599m	N75° 07' O
31+140.00	821,741.919m	589,674.269m	N75° 07' O
31+160.00	821,747.055m	589,654.940m	N75° 07' O
31+180.00	821,752.191m	589,635.611m	N75° 07' O
31+200.00	821,757.327m	589,616.282m	N75° 07' O
31+220.00	821,762.463m	589,596.952m	N75° 07' O
31+240.00	821,767.599m	589,577.623m	N75° 07' O
31+260.00	821,772.735m	589,558.294m	N75° 07' O
31+280.00	821,777.871m	589,538.964m	N75° 07' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

31+300.00	821,783.007m	589,519.635m	N75° 07' O
31+320.00	821,788.143m	589,500.306m	N75° 07' O
31+340.00	821,793.279m	589,480.977m	N75° 07' O
31+360.00	821,798.415m	589,461.647m	N75° 07' O
31+380.00	821,803.551m	589,442.318m	N75° 07' O
31+400.00	821,808.687m	589,422.989m	N75° 07' O
31+420.00	821,813.823m	589,403.659m	N75° 07' O
31+440.00	821,818.959m	589,384.330m	N75° 07' O
31+460.00	821,824.095m	589,365.001m	N75° 07' O
31+480.00	821,829.231m	589,345.672m	N75° 07' O
31+500.00	821,834.367m	589,326.342m	N75° 07' O
31+520.00	821,839.503m	589,307.013m	N75° 07' O
31+540.00	821,844.639m	589,287.684m	N75° 07' O
31+560.00	821,849.775m	589,268.354m	N75° 07' O
31+580.00	821,854.911m	589,249.025m	N75° 07' O
31+600.00	821,860.047m	589,229.696m	N75° 07' O
31+620.00	821,865.183m	589,210.367m	N75° 07' O
31+640.00	821,870.319m	589,191.037m	N75° 07' O
31+660.00	821,875.455m	589,171.708m	N75° 07' O
31+680.00	821,880.591m	589,152.379m	N75° 07' O
31+700.00	821,885.727m	589,133.049m	N75° 07' O
31+720.00	821,890.863m	589,113.720m	N75° 07' O
31+740.00	821,895.999m	589,094.391m	N75° 07' O
31+760.00	821,901.135m	589,075.062m	N75° 07' O
31+780.00	821,906.271m	589,055.732m	N75° 07' O
31+800.00	821,911.364m	589,036.392m	N75° 44' O
31+820.00	821,916.043m	589,016.947m	N77° 12' O
31+840.00	821,920.221m	588,997.389m	N78° 41' O
31+860.00	821,923.895m	588,977.730m	N80° 09' O
31+880.00	821,927.086m	588,957.986m	N81° 10' O
31+900.00	821,930.156m	588,938.224m	N81° 10' O
31+920.00	821,933.226m	588,918.461m	N81° 10' O
31+940.00	821,936.296m	588,898.698m	N81° 10' O
31+960.00	821,939.366m	588,878.935m	N81° 10' O
31+980.00	821,942.436m	588,859.172m	N81° 10' O
32+000.00	821,945.506m	588,839.409m	N81° 10' O
32+020.00	821,948.576m	588,819.646m	N81° 10' O
32+040.00	821,951.645m	588,799.883m	N81° 10' O
32+060.00	821,954.715m	588,780.120m	N81° 10' O
32+080.00	821,957.785m	588,760.357m	N81° 10' O
32+100.00	821,960.855m	588,740.594m	N81° 10' O
32+120.00	821,963.925m	588,720.831m	N81° 10' O
32+140.00	821,966.995m	588,701.068m	N81° 10' O
32+160.00	821,969.768m	588,681.263m	N83° 51' O
32+180.00	821,971.189m	588,661.318m	N88° 00' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

32+200.00	821,971.159m	588,641.323m	S87° 50' O
32+220.00	821,969.680m	588,621.382m	S83° 41' O
32+240.00	821,966.758m	588,601.601m	S79° 31' O
32+260.00	821,962.409m	588,582.084m	S75° 21' O
32+280.00	821,956.655m	588,562.934m	S71° 12' O
32+300.00	821,949.528m	588,544.252m	S67° 02' O
32+320.00	821,941.071m	588,526.132m	S63° 17' O
32+340.00	821,932.080m	588,508.267m	S63° 17' O
32+360.00	821,923.089m	588,490.402m	S63° 17' O
32+380.00	821,914.098m	588,472.537m	S63° 17' O
32+400.00	821,905.106m	588,454.672m	S63° 17' O
32+420.00	821,896.115m	588,436.807m	S63° 17' O
32+440.00	821,887.124m	588,418.942m	S63° 17' O
32+460.00	821,878.133m	588,401.077m	S63° 17' O
32+480.00	821,869.142m	588,383.212m	S63° 17' O
32+500.00	821,860.150m	588,365.347m	S63° 17' O
32+520.00	821,851.159m	588,347.482m	S63° 17' O
32+540.00	821,842.168m	588,329.617m	S63° 17' O
32+560.00	821,833.177m	588,311.752m	S63° 17' O
32+580.00	821,824.186m	588,293.887m	S63° 17' O
32+600.00	821,815.194m	588,276.022m	S63° 17' O
32+620.00	821,806.203m	588,258.157m	S63° 17' O
32+640.00	821,797.212m	588,240.292m	S63° 17' O
32+660.00	821,788.221m	588,222.427m	S63° 17' O
32+680.00	821,779.230m	588,204.562m	S63° 17' O
32+700.00	821,770.238m	588,186.697m	S63° 17' O
32+720.00	821,761.247m	588,168.832m	S63° 17' O
32+740.00	821,752.256m	588,150.967m	S63° 17' O
32+760.00	821,743.265m	588,133.102m	S63° 17' O
32+780.00	821,734.274m	588,115.237m	S63° 17' O
32+800.00	821,725.282m	588,097.372m	S63° 17' O
32+820.00	821,716.291m	588,079.507m	S63° 17' O
32+840.00	821,707.300m	588,061.642m	S63° 17' O
32+860.00	821,698.309m	588,043.777m	S63° 17' O
32+880.00	821,689.317m	588,025.912m	S63° 17' O
32+900.00	821,680.326m	588,008.047m	S63° 17' O
32+920.00	821,671.335m	587,990.182m	S63° 17' O
32+940.00	821,662.344m	587,972.317m	S63° 17' O
32+960.00	821,653.385m	587,954.436m	S64° 23' O
32+980.00	821,645.665m	587,935.996m	S70° 11' O
33+000.00	821,639.848m	587,916.869m	S75° 59' O
33+020.00	821,635.993m	587,897.253m	S81° 47' O
33+040.00	821,634.141m	587,877.347m	S87° 35' O
33+060.00	821,634.310m	587,857.357m	N86° 37' O
33+080.00	821,636.499m	587,837.485m	N80° 49' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II

DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS

33+100.00	821,640.685m	587,817.937m	N75° 01' O
33+120.00	821,646.825m	587,798.912m	N69° 13' O
33+140.00	821,654.056m	587,780.265m	N68° 47' O
33+160.00	821,661.293m	587,761.620m	N68° 47' O
33+180.00	821,668.530m	587,742.976m	N68° 47' O
33+200.00	821,675.767m	587,724.331m	N68° 47' O
33+220.00	821,683.004m	587,705.686m	N68° 47' O
33+240.00	821,690.129m	587,687.000m	N71° 22' O
33+260.00	821,694.895m	587,667.600m	N81° 02' O
33+280.00	821,696.331m	587,647.676m	S89° 17' O
33+300.00	821,694.397m	587,627.793m	S79° 36' O
33+320.00	821,689.148m	587,608.519m	S69° 56' O
33+340.00	821,680.772m	587,590.380m	S61° 49' O
33+360.00	821,671.324m	587,572.753m	S61° 49' O
33+380.00	821,661.876m	587,555.125m	S61° 49' O
33+400.00	821,652.412m	587,537.506m	S61° 00' O
33+420.00	821,641.714m	587,520.621m	S54° 18' O
33+440.00	821,629.120m	587,505.100m	S47° 36' O
33+460.00	821,614.800m	587,491.154m	S40° 54' O
33+480.00	821,599.345m	587,478.460m	S39° 11' O
33+500.00	821,583.841m	587,465.826m	S39° 11' O
33+520.00	821,568.338m	587,453.191m	S39° 11' O
33+540.00	821,552.915m	587,440.459m	S40° 53' O
33+560.00	821,538.262m	587,426.853m	S44° 53' O
33+580.00	821,524.595m	587,412.257m	S48° 53' O
33+600.00	821,511.979m	587,396.743m	S52° 53' O
33+620.00	821,500.477m	587,380.386m	S56° 53' O
33+640.00	821,490.144m	587,363.267m	S60° 49' O
33+660.00	821,480.389m	587,345.807m	S60° 49' O
33+680.00	821,470.678m	587,328.323m	S61° 52' O
33+700.00	821,461.859m	587,310.377m	S65° 48' O
33+720.00	821,454.296m	587,291.867m	S69° 45' O
33+740.00	821,448.022m	587,272.880m	S73° 41' O
33+760.00	821,443.068m	587,253.508m	S77° 38' O
33+780.00	821,439.457m	587,233.840m	S81° 34' O
33+800.00	821,437.134m	587,213.978m	S84° 14' O
33+820.00	821,435.206m	587,194.072m	S85° 22' O
33+840.00	821,434.068m	587,174.106m	S88° 06' O
33+860.00	821,433.881m	587,154.109m	N89° 10' O
33+880.00	821,434.646m	587,134.125m	N86° 27' O
33+900.00	821,436.360m	587,114.201m	N83° 43' O
33+920.00	821,439.021m	587,094.380m	N81° 00' O
33+940.00	821,442.438m	587,074.675m	N79° 58' O
33+960.00	821,445.920m	587,054.980m	N79° 58' O
33+980.00	821,449.403m	587,035.286m	N79° 58' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

34+000.00	821,452.769m	587,015.573m	N82° 43' O
34+020.00	821,453.369m	586,995.613m	S86° 09' O
34+040.00	821,450.101m	586,975.914m	S75° 01' O
34+060.00	821,443.088m	586,957.217m	S63° 52' O
34+080.00	821,434.118m	586,939.341m	S63° 20' O
34+100.00	821,425.145m	586,921.468m	S63° 20' O
34+120.00	821,416.171m	586,903.594m	S63° 20' O
34+140.00	821,407.199m	586,885.719m	S63° 37' O
34+160.00	821,399.359m	586,867.332m	S70° 12' O
34+180.00	821,393.676m	586,848.168m	S76° 46' O
34+200.00	821,390.225m	586,828.479m	S83° 21' O
34+220.00	821,389.051m	586,808.524m	S89° 55' O
34+240.00	821,390.164m	586,788.566m	N83° 55' O
34+260.00	821,392.282m	586,768.678m	N83° 55' O
34+280.00	821,394.400m	586,748.791m	N83° 55' O
34+300.00	821,396.518m	586,728.903m	N83° 55' O
34+320.00	821,398.636m	586,709.016m	N83° 55' O
34+340.00	821,400.754m	586,689.128m	N83° 55' O
34+360.00	821,402.872m	586,669.241m	N83° 55' O
34+380.00	821,404.989m	586,649.353m	N83° 55' O
34+400.00	821,407.107m	586,629.466m	N83° 55' O
34+420.00	821,409.225m	586,609.578m	N83° 55' O
34+440.00	821,411.343m	586,589.690m	N83° 55' O
34+460.00	821,413.461m	586,569.803m	N83° 55' O
34+480.00	821,416.493m	586,550.042m	N78° 35' O
34+500.00	821,421.365m	586,530.652m	N73° 12' O
34+520.00	821,428.033m	586,511.804m	N67° 50' O
34+540.00	821,436.439m	586,493.664m	N62° 27' O
34+560.00	821,446.508m	586,476.392m	N57° 04' O
34+580.00	821,458.153m	586,460.141m	N51° 41' O
34+600.00	821,471.270m	586,445.052m	N46° 19' O
34+620.00	821,485.743m	586,431.260m	N40° 56' O
34+640.00	821,501.446m	586,418.886m	N35° 33' O
34+660.00	821,518.240m	586,408.038m	N30° 10' O
34+680.00	821,535.977m	586,398.812m	N24° 47' O
34+700.00	821,554.500m	586,391.290m	N19° 25' O
34+720.00	821,573.647m	586,385.538m	N14° 02' O
34+740.00	821,593.250m	586,381.606m	N8° 39' O
34+760.00	821,613.055m	586,378.820m	N7° 58' O
34+780.00	821,632.862m	586,376.049m	N7° 58' O
34+800.00	821,652.669m	586,373.278m	N7° 58' O
34+820.00	821,672.476m	586,370.507m	N7° 58' O
34+840.00	821,692.283m	586,367.735m	N7° 58' O
34+860.00	821,712.090m	586,364.964m	N7° 58' O
34+880.00	821,731.897m	586,362.193m	N7° 58' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II

DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS

34+900.00	821,751.704m	586,359.422m	N7° 58' O
34+920.00	821,771.511m	586,356.651m	N7° 58' O
34+940.00	821,791.318m	586,353.880m	N7° 58' O
34+960.00	821,811.125m	586,351.108m	N7° 58' O
34+980.00	821,830.932m	586,348.337m	N7° 58' O
35+000.00	821,850.740m	586,345.566m	N7° 58' O
35+020.00	821,870.547m	586,342.795m	N7° 58' O
35+040.00	821,890.354m	586,340.024m	N7° 58' O
35+060.00	821,910.161m	586,337.253m	N7° 58' O
35+080.00	821,929.968m	586,334.481m	N7° 58' O
35+100.00	821,949.775m	586,331.710m	N7° 58' O
35+120.00	821,969.582m	586,328.939m	N7° 58' O
35+140.00	821,989.389m	586,326.168m	N7° 58' O
35+160.00	822,009.196m	586,323.397m	N7° 58' O
35+180.00	822,029.003m	586,320.626m	N7° 58' O
35+200.00	822,048.810m	586,317.854m	N7° 58' O
35+220.00	822,068.618m	586,315.083m	N7° 58' O
35+240.00	822,088.425m	586,312.312m	N7° 58' O
35+260.00	822,108.232m	586,309.541m	N7° 58' O
35+280.00	822,128.039m	586,306.770m	N7° 58' O
35+300.00	822,147.737m	586,303.409m	N15° 19' O
35+320.00	822,166.065m	586,295.560m	N31° 03' O
35+340.00	822,181.579m	586,283.038m	N46° 46' O
35+360.00	822,193.803m	586,267.228m	N53° 55' O
35+380.00	822,205.584m	586,251.066m	N53° 55' O
35+400.00	822,217.366m	586,234.905m	N53° 55' O
35+420.00	822,228.274m	586,218.175m	N63° 06' O
35+440.00	822,235.034m	586,199.407m	N77° 16' O
35+460.00	822,236.996m	586,179.554m	S88° 34' O
35+480.00	822,234.041m	586,159.825m	S74° 24' O
35+500.00	822,226.817m	586,141.196m	S66° 44' O
35+520.00	822,218.918m	586,122.822m	S66° 44' O
35+540.00	822,211.019m	586,104.448m	S66° 44' O
35+560.00	822,203.120m	586,086.074m	S66° 44' O
35+580.00	822,195.641m	586,067.535m	S72° 20' O
35+600.00	822,191.626m	586,047.980m	S84° 28' O
35+620.00	822,191.807m	586,028.018m	N83° 25' O
35+640.00	822,196.042m	586,008.500m	N74° 25' O
35+660.00	822,201.417m	585,989.236m	N74° 25' O
35+680.00	822,206.792m	585,969.971m	N74° 25' O
35+700.00	822,212.168m	585,950.707m	N74° 25' O
35+720.00	822,217.463m	585,931.422m	N76° 12' O
35+740.00	822,221.079m	585,911.763m	N82° 57' O
35+760.00	822,222.358m	585,891.816m	N89° 43' O
35+780.00	822,221.493m	585,871.839m	S86° 24' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II

DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS

35+800.00	822,220.237m	585,851.879m	S86° 24' O
35+820.00	822,218.981m	585,831.918m	S86° 24' O
35+840.00	822,217.726m	585,811.958m	S86° 24' O
35+860.00	822,216.470m	585,791.997m	S86° 24' O
35+880.00	822,215.214m	585,772.037m	S86° 24' O
35+900.00	822,213.959m	585,752.076m	S86° 24' O
35+920.00	822,212.162m	585,732.162m	S82° 29' O
35+940.00	822,208.695m	585,712.471m	S77° 33' O
35+960.00	822,203.545m	585,693.152m	S72° 36' O
35+980.00	822,196.753m	585,674.347m	S67° 40' O
36+000.00	822,188.367m	585,656.197m	S62° 44' O
36+020.00	822,178.834m	585,638.616m	S61° 20' O
36+040.00	822,169.467m	585,620.952m	S66° 32' O
36+060.00	822,164.566m	585,601.651m	S84° 59' O
36+080.00	822,165.824m	585,581.754m	N81° 14' O
36+100.00	822,168.871m	585,561.987m	N81° 14' O
36+120.00	822,171.080m	585,542.145m	S87° 55' O
36+140.00	822,166.186m	585,522.908m	S63° 32' O
36+160.00	822,153.788m	585,507.407m	S39° 09' O
36+180.00	822,136.097m	585,498.402m	S15° 38' O
36+200.00	822,116.837m	585,493.014m	S15° 52' O
36+220.00	822,098.563m	585,485.037m	S31° 18' O
36+240.00	822,083.071m	585,472.483m	S46° 44' O
36+260.00	822,071.478m	585,456.260m	S62° 10' O
36+280.00	822,062.726m	585,438.277m	S64° 11' O
36+300.00	822,054.014m	585,420.274m	S64° 11' O
36+320.00	822,045.302m	585,402.271m	S64° 11' O
36+340.00	822,036.590m	585,384.269m	S64° 11' O
36+360.00	822,027.878m	585,366.266m	S64° 11' O
36+380.00	822,019.166m	585,348.263m	S64° 11' O
36+400.00	822,010.454m	585,330.260m	S64° 11' O
36+420.00	822,001.743m	585,312.257m	S64° 11' O
36+440.00	821,993.031m	585,294.254m	S64° 11' O
36+460.00	821,982.649m	585,277.196m	S53° 09' O
36+480.00	821,969.191m	585,262.443m	S42° 06' O
36+500.00	821,953.775m	585,249.705m	S39° 11' O
36+520.00	821,938.272m	585,237.069m	S39° 11' O
36+540.00	821,923.261m	585,223.866m	S44° 24' O
36+560.00	821,909.768m	585,209.117m	S50° 42' O
36+580.00	821,897.867m	585,193.050m	S54° 49' O
36+600.00	821,886.342m	585,176.705m	S54° 33' O
36+620.00	821,873.517m	585,161.385m	S45° 36' O
36+640.00	821,858.538m	585,148.153m	S39° 06' O
36+660.00	821,843.018m	585,135.539m	S39° 06' O
36+680.00	821,828.497m	585,121.883m	S53° 10' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

36+700.00	821,820.137m	585,103.873m	S77° 02' O
36+720.00	821,819.781m	585,084.020m	N79° 05' O
36+740.00	821,827.242m	585,065.575m	N61° 30' O
36+760.00	821,836.784m	585,047.999m	N61° 30' O
36+780.00	821,846.327m	585,030.422m	N61° 30' O
36+800.00	821,855.869m	585,012.845m	N61° 30' O
36+820.00	821,865.412m	584,995.269m	N61° 30' O
36+840.00	821,874.955m	584,977.692m	N61° 30' O
36+860.00	821,883.964m	584,959.846m	N66° 29' O
36+880.00	821,890.770m	584,941.053m	N73° 42' O
36+900.00	821,895.158m	584,921.554m	N80° 56' O
36+920.00	821,897.124m	584,901.662m	N86° 31' O
36+940.00	821,898.342m	584,881.699m	N86° 31' O
36+960.00	821,899.560m	584,861.736m	N86° 31' O
36+980.00	821,900.778m	584,841.773m	N86° 31' O
37+000.00	821,901.996m	584,821.810m	N86° 31' O
37+020.00	821,903.214m	584,801.847m	N86° 31' O
37+040.00	821,904.432m	584,781.884m	N86° 31' O
37+060.00	821,905.650m	584,761.921m	N86° 31' O
37+080.00	821,906.868m	584,741.959m	N86° 31' O
37+100.00	821,908.264m	584,722.008m	N85° 08' O
37+120.00	821,910.276m	584,702.110m	N83° 19' O
37+140.00	821,912.839m	584,682.275m	N82° 25' O
37+160.00	821,915.479m	584,662.450m	N82° 25' O
37+180.00	821,918.119m	584,642.625m	N82° 25' O
37+200.00	821,920.758m	584,622.800m	N82° 25' O
37+220.00	821,923.398m	584,602.975m	N82° 25' O
37+240.00	821,926.037m	584,583.150m	N82° 25' O
37+260.00	821,928.677m	584,563.325m	N82° 25' O
37+280.00	821,931.317m	584,543.500m	N82° 25' O
37+300.00	821,933.956m	584,523.675m	N82° 25' O
37+320.00	821,936.596m	584,503.850m	N82° 25' O
37+340.00	821,939.235m	584,484.025m	N82° 25' O
37+360.00	821,941.875m	584,464.200m	N82° 25' O
37+380.00	821,944.515m	584,444.375m	N82° 25' O
37+400.00	821,947.154m	584,424.550m	N82° 25' O
37+420.00	821,949.794m	584,404.725m	N82° 25' O
37+440.00	821,952.433m	584,384.900m	N82° 25' O
37+460.00	821,955.073m	584,365.075m	N82° 25' O
37+480.00	821,957.712m	584,345.250m	N82° 25' O
37+500.00	821,960.352m	584,325.425m	N82° 25' O
37+520.00	821,962.992m	584,305.600m	N82° 25' O
37+540.00	821,965.631m	584,285.775m	N82° 25' O
37+560.00	821,968.271m	584,265.949m	N82° 25' O
37+580.00	821,970.910m	584,246.124m	N82° 25' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

37+600.00	821,973.550m	584,226.299m	N82° 25' O
37+620.00	821,976.190m	584,206.474m	N82° 25' O
37+640.00	821,978.829m	584,186.649m	N82° 25' O
37+660.00	821,981.469m	584,166.824m	N82° 25' O
37+680.00	821,984.108m	584,146.999m	N82° 25' O
37+700.00	821,986.748m	584,127.174m	N82° 25' O
37+720.00	821,989.388m	584,107.349m	N82° 25' O
37+740.00	821,992.027m	584,087.524m	N82° 25' O
37+760.00	821,994.667m	584,067.699m	N82° 25' O
37+780.00	821,997.306m	584,047.874m	N82° 25' O
37+800.00	821,999.946m	584,028.049m	N82° 25' O
37+820.00	822,002.586m	584,008.224m	N82° 25' O
37+840.00	822,005.225m	583,988.399m	N82° 25' O
37+860.00	822,007.865m	583,968.574m	N82° 25' O
37+880.00	822,010.504m	583,948.749m	N82° 25' O
37+900.00	822,013.144m	583,928.924m	N82° 25' O
37+920.00	822,015.783m	583,909.099m	N82° 25' O
37+940.00	822,018.423m	583,889.274m	N82° 25' O
37+960.00	822,021.063m	583,869.448m	N82° 25' O
37+980.00	822,023.702m	583,849.623m	N82° 25' O
38+000.00	822,026.342m	583,829.798m	N82° 25' O
38+020.00	822,029.060m	583,809.984m	N81° 36' O
38+040.00	822,032.234m	583,790.238m	N80° 08' O
38+060.00	822,035.913m	583,770.580m	N78° 40' O
38+080.00	822,040.092m	583,751.022m	N77° 12' O
38+100.00	822,044.770m	583,731.577m	N75° 44' O
38+120.00	822,049.943m	583,712.259m	N74° 17' O
38+140.00	822,055.433m	583,693.027m	N74° 03' O
38+160.00	822,060.929m	583,673.797m	N74° 03' O
38+180.00	822,066.425m	583,654.567m	N74° 03' O
38+200.00	822,071.921m	583,635.337m	N74° 03' O
38+220.00	822,077.417m	583,616.107m	N74° 03' O
38+240.00	822,082.913m	583,596.877m	N74° 03' O
38+260.00	822,088.409m	583,577.647m	N74° 03' O
38+280.00	822,093.926m	583,558.423m	N73° 26' O
38+300.00	822,100.160m	583,539.422m	N70° 15' O
38+320.00	822,107.440m	583,520.797m	N67° 03' O
38+340.00	822,115.745m	583,502.605m	N63° 52' O
38+360.00	822,125.047m	583,484.903m	N60° 41' O
38+380.00	822,135.269m	583,467.714m	N58° 32' O
38+400.00	822,145.707m	583,450.654m	N58° 32' O
38+420.00	822,156.145m	583,433.594m	N58° 32' O
38+440.00	822,166.583m	583,416.534m	N58° 32' O
38+460.00	822,177.020m	583,399.474m	N58° 32' O
38+480.00	822,187.458m	583,382.413m	N58° 32' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II**DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÌ - LOS ASIENTOS - CAÑAS**

38+500.00	822,197.896m	583,365.353m	N58° 32' O
38+520.00	822,208.334m	583,348.293m	N58° 32' O
38+540.00	822,218.772m	583,331.233m	N58° 32' O
38+560.00	822,229.210m	583,314.172m	N58° 32' O
38+580.00	822,239.648m	583,297.112m	N58° 32' O
38+600.00	822,250.085m	583,280.052m	N58° 32' O
38+620.00	822,260.523m	583,262.992m	N58° 32' O
38+640.00	822,270.961m	583,245.931m	N58° 32' O
38+660.00	822,281.399m	583,228.871m	N58° 32' O
38+680.00	822,291.837m	583,211.811m	N58° 32' O
38+700.00	822,302.275m	583,194.751m	N58° 32' O
38+720.00	822,312.712m	583,177.691m	N58° 32' O
38+740.00	822,323.150m	583,160.630m	N58° 32' O
38+760.00	822,333.588m	583,143.570m	N58° 32' O
38+780.00	822,344.026m	583,126.510m	N58° 32' O
38+800.00	822,354.464m	583,109.450m	N58° 32' O
38+820.00	822,364.902m	583,092.389m	N58° 32' O
38+840.00	822,375.339m	583,075.329m	N58° 32' O
38+860.00	822,385.777m	583,058.269m	N58° 32' O
38+880.00	822,396.215m	583,041.209m	N58° 32' O
38+900.00	822,406.653m	583,024.148m	N58° 32' O
38+920.00	822,417.091m	583,007.088m	N58° 32' O
38+940.00	822,427.529m	582,990.028m	N58° 32' O
38+960.00	822,437.966m	582,972.968m	N58° 32' O
38+980.00	822,448.404m	582,955.908m	N58° 32' O
39+000.00	822,458.842m	582,938.847m	N58° 32' O
39+020.00	822,469.280m	582,921.787m	N58° 32' O
39+040.00	822,479.718m	582,904.727m	N58° 32' O
39+060.00	822,490.156m	582,887.667m	N58° 32' O
39+080.00	822,500.594m	582,870.606m	N58° 32' O
39+100.00	822,511.031m	582,853.546m	N58° 32' O
39+120.00	822,521.469m	582,836.486m	N58° 32' O
39+140.00	822,531.907m	582,819.426m	N58° 32' O
39+160.00	822,542.345m	582,802.365m	N58° 32' O
39+180.00	822,552.783m	582,785.305m	N58° 32' O
39+200.00	822,563.221m	582,768.245m	N58° 32' O
39+220.00	822,573.658m	582,751.185m	N58° 32' O
39+240.00	822,584.096m	582,734.125m	N58° 32' O
39+260.00	822,594.534m	582,717.064m	N58° 32' O
39+280.00	822,604.972m	582,700.004m	N58° 32' O
39+300.00	822,615.410m	582,682.944m	N58° 32' O
39+320.00	822,625.848m	582,665.884m	N58° 32' O
39+340.00	822,636.285m	582,648.823m	N58° 32' O
39+360.00	822,646.753m	582,631.782m	N57° 57' O
39+380.00	822,657.611m	582,614.987m	N56° 17' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II

DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÍ - LOS ASIENTOS - CAÑAS

39+400.00	822,668.958m	582,598.518m	N54° 36' O
39+420.00	822,680.762m	582,582.373m	N53° 25' O
39+440.00	822,692.683m	582,566.314m	N53° 25' O
39+460.00	822,704.604m	582,550.255m	N53° 25' O
39+480.00	822,716.525m	582,534.196m	N53° 25' O
39+500.00	822,728.446m	582,518.137m	N53° 25' O
39+520.00	822,740.367m	582,502.079m	N53° 25' O
39+540.00	822,752.288m	582,486.020m	N53° 25' O
39+560.00	822,764.209m	582,469.961m	N53° 25' O
39+580.00	822,776.130m	582,453.902m	N53° 25' O
39+600.00	822,788.051m	582,437.843m	N53° 25' O
39+620.00	822,799.972m	582,421.784m	N53° 25' O
39+640.00	822,811.893m	582,405.725m	N53° 25' O
39+660.00	822,823.814m	582,389.666m	N53° 25' O
39+680.00	822,835.735m	582,373.607m	N53° 25' O
39+700.00	822,847.656m	582,357.548m	N53° 25' O
39+720.00	822,859.577m	582,341.489m	N53° 25' O
39+740.00	822,871.499m	582,325.430m	N53° 25' O
39+760.00	822,883.420m	582,309.371m	N53° 25' O
39+780.00	822,895.341m	582,293.313m	N53° 25' O
39+800.00	822,907.262m	582,277.254m	N53° 25' O
39+820.00	822,919.183m	582,261.195m	N53° 25' O
39+840.00	822,931.104m	582,245.136m	N53° 25' O
39+860.00	822,943.025m	582,229.077m	N53° 25' O
39+880.00	822,954.946m	582,213.018m	N53° 25' O
39+900.00	822,966.867m	582,196.959m	N53° 25' O
39+920.00	822,978.788m	582,180.900m	N53° 25' O
39+940.00	822,990.709m	582,164.841m	N53° 25' O
39+960.00	823,002.630m	582,148.782m	N53° 25' O
39+980.00	823,014.551m	582,132.723m	N53° 25' O
40+000.00	823,026.472m	582,116.664m	N53° 25' O
40+020.00	823,038.393m	582,100.605m	N53° 25' O
40+040.00	823,050.054m	582,084.360m	N56° 23' O
40+060.00	823,060.420m	582,067.263m	N61° 10' O
40+080.00	823,069.322m	582,049.360m	N65° 57' O
40+100.00	823,077.237m	582,030.993m	N66° 45' O
40+120.00	823,085.131m	582,012.617m	N66° 45' O
40+140.00	823,093.025m	581,994.241m	N66° 45' O
40+160.00	823,100.919m	581,975.864m	N66° 45' O
40+180.00	823,108.812m	581,957.488m	N66° 45' O
40+200.00	823,116.706m	581,939.112m	N66° 45' O
40+220.00	823,124.600m	581,920.736m	N66° 45' O
40+240.00	823,132.494m	581,902.359m	N66° 45' O
40+260.00	823,140.388m	581,883.983m	N66° 45' O
40+280.00	823,148.001m	581,865.489m	N67° 39' O

ESTUDIO DE IMPACTO AMBIENTAL CATEGORIA II
DISEÑO Y CONSTRUCCION PARA LA REHABILITACION DE LA CARRETERA - PEDASÍ - LOS ASIENTOS - CAÑAS

40+300.00	823,155.607m	581,846.991m	N67° 39' O
40+320.00	823,163.213m	581,828.494m	N67° 39' O
40+340.00	823,170.819m	581,809.997m	N67° 39' O
40+360.00	823,178.425m	581,791.499m	N67° 39' O
40+380.00	823,186.030m	581,773.002m	N67° 39' O
40+400.00	823,193.636m	581,754.505m	N67° 39' O
40+420.00	823,201.242m	581,736.008m	N67° 39' O
40+440.00	823,208.848m	581,717.510m	N67° 39' O
40+460.00	823,216.454m	581,699.013m	N67° 39' O
40+480.00	823,224.060m	581,680.516m	N67° 39' O
40+500.00	823,231.666m	581,662.018m	N67° 39' O
40+520.00	823,239.272m	581,643.521m	N67° 39' O
40+540.00	823,246.878m	581,625.024m	N67° 39' O
40+560.00	823,254.484m	581,606.526m	N67° 39' O
40+580.00	823,262.089m	581,588.029m	N67° 39' O
40+600.00	823,269.695m	581,569.532m	N67° 39' O
40+611.96	823,274.242m	581,558.475m	N67° 39' O