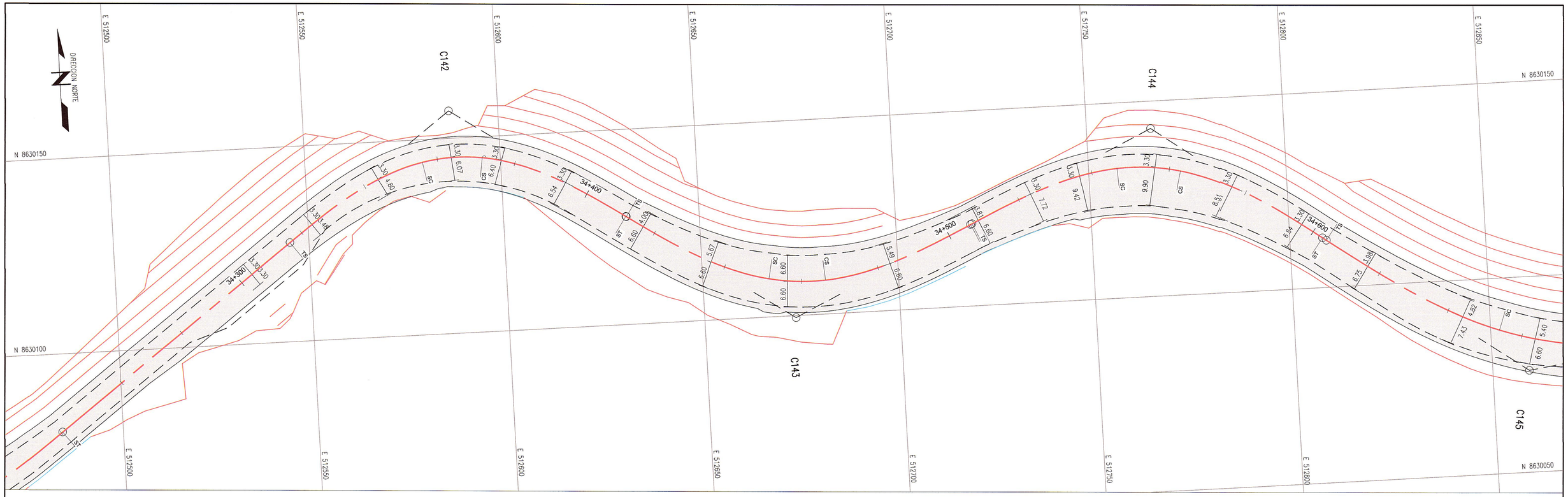
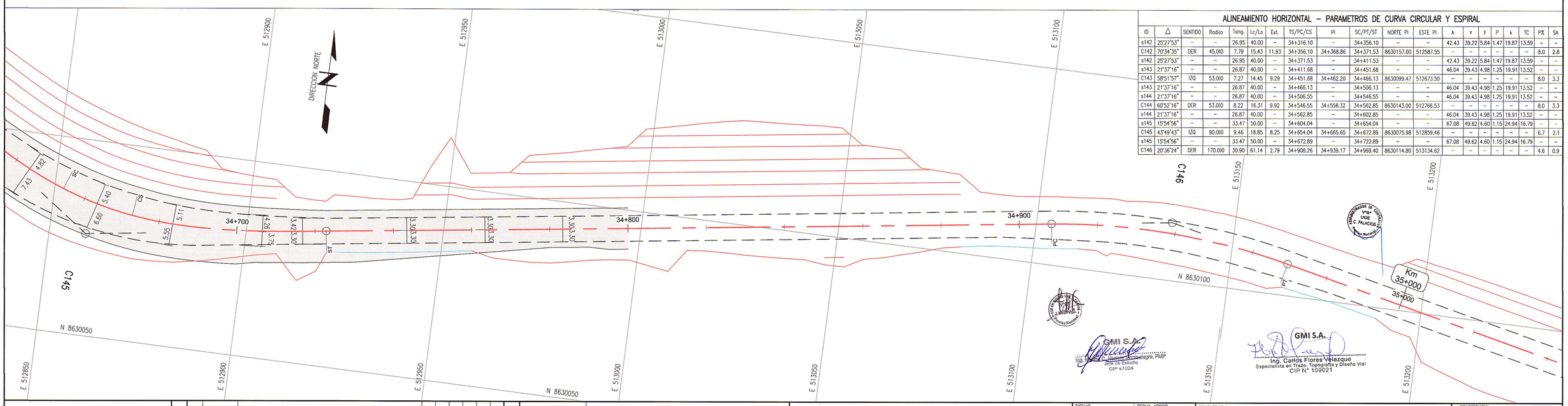



| ID | Δ |
|---|---|
| C142 | |
| C143 | |
| C144 | |
| C145 | |
| C146 | |




ALINEAMIENTO HORIZONTAL – PARAMETROS DE CURVA CIRCULAR Y ESPIRAL

| ID | Δ | SENTIDO | Radio | Tang. | Lc/Ls | Ext. | TS/PC/CS | PI | SC/PT/ST | NORTE PI | ESTE PI | A | x | y | P | k | TC | P% | SA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| s142 | 25°27'53" | – | – | 26.95 | 40.00 | – | 34+316.10 | – | 34+356.10 | – | – | 42.43 | 39.22 | 5.84 | 1.47 | 19.87 | 13.59 | – | – |
| C142 | 70°34'35" | DER | 45.000 | 7.79 | 15.43 | 11.93 | 34+356.10 | 34+368.86 | 34+371.53 | 8630157.00 | 512587.55 | – | – | – | – | – | – | 8.0 | 2.8 |
| s142 | 25°27'53" | – | – | 26.95 | 40.00 | – | 34+371.53 | – | 34+411.53 | – | – | 42.43 | 39.22 | 5.84 | 1.47 | 19.87 | 13.59 | – | – |
| s143 | 21°37'16" | – | – | 26.87 | 40.00 | – | 34+411.68 | – | 34+451.68 | – | – | 46.04 | 39.43 | 4.98 | 1.25 | 19.91 | 13.52 | – | – |
| C143 | 58°51'57" | IZQ | 53.000 | 7.27 | 14.45 | 9.29 | 34+451.68 | 34+462.20 | 34+466.13 | 8630099.47 | 512673.50 | – | – | – | – | – | – | 8.0 | 3.3 |
| s143 | 21°37'16" | – | – | 26.87 | 40.00 | – | 34+466.13 | – | 34+506.13 | – | – | 46.04 | 39.43 | 4.98 | 1.25 | 19.91 | 13.52 | – | – |
| s144 | 21°37'16" | – | – | 26.87 | 40.00 | – | 34+506.55 | – | 34+546.55 | – | – | 46.04 | 39.43 | 4.98 | 1.25 | 19.91 | 13.52 | – | – |
| C144 | 60°52'16" | DER | 53.000 | 8.22 | 16.31 | 9.92 | 34+546.55 | 34+558.32 | 34+562.85 | 8630143.00 | 512766.53 | – | – | – | – | – | – | 8.0 | 3.3 |
| s144 | 21°37'16" | – | – | 26.87 | 40.00 | – | 34+562.85 | – | 34+602.85 | – | – | 46.04 | 39.43 | 4.98 | 1.25 | 19.91 | 13.52 | – | – |
| s145 | 15°54'56" | – | – | 33.47 | 50.00 | – | 34+604.04 | – | 34+654.04 | – | – | 67.08 | 49.62 | 4.60 | 1.15 | 24.94 | 16.79 | – | – |
| C145 | 43°49'43" | IZQ | 90.000 | 9.46 | 18.85 | 8.25 | 34+654.04 | 34+665.65 | 34+672.89 | 8630075.98 | 512859.46 | – | – | – | – | – | – | 6.7 | 2.1 |
| s145 | 15°54'56" | – | – | 33.47 | 50.00 | – | 34+672.89 | – | 34+722.89 | – | – | 67.08 | 49.62 | 4.60 | 1.15 | 24.94 | 16.79 | – | – |
| C146 | 20°36'24" | DER | 170.000 | 30.90 | 61.14 | 2.79 | 34+908.26 | 34+939.17 | 34+969.40 | 8630114.80 | 513134.62 | – | – | – | – | – | – | 4.6 | 0.9 |

NOTAS

1. LAS UNIDADES ESTAN REPRESENTADAS EN METROS

REVISIONES

| REV. | FECHA | DESCRIPCIÓN | DIB. | DS. | JD | JP | GE | CLT |
|---|---|---|---|---|---|---|---|---|
| A | 02.ENE.13 | EMITIDO PARA CORDINACION INTERNA | WPA | CFV | CFV | MHM | APM | . |
| B | 22.MAR.13 | EMITIDO PARA APROBACION DEL CLIENTE | WPA | CFV | CFV | MHM | APM | . |
| 0 | 10.ABR.13 | EMITIDO PARA CONSTRUCCION | PAC | CFV | RGC | MHM | APM | . |
| 1 | 22.ABR.13 | EMITIDO PARA CONSTRUCCION | PAC | CFV | RGC | MHM | APM | . |
| . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . |
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| . | . | . | . | . | . | . | . | . |

REFERENCIAS

| PLANO N° | REFERENCIA |
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MTC Ministerio de Transportes y Comunicaciones – PROVIAS NACIONAL

ASTALDI GyM – Consorcio Rio Mantaro – Kallpa Generación S.A.

NUMERO PLANO CLIENTE: .

| | | | |
|---|---|---|---|
| DIBUJO: PERCY ALANIA | FECHA APROB.: 22.ABR.13 | | |
| JEFE DISCIPLINA: RAUL GARCIA | FECHA APROB.: 22.ABR.13 | | |
| JEFE DE PROYECTO: MARTHA HERRERA | FECHA APROB.: 22.ABR.13 | | |
| GERENTE DE ESTUDIO: ALBERTO PONCE | FECHA APROB.: 22.ABR.13 | | |
| CLIENTE: MTC | FECHA APROB.: . | | |
| COD. PROY. GMI No.: 181152 | COD. PROY. CLIENTE No.: . | | |

PROPIETAIRIO: **MTC - PROVIAS NACIONAL**

PROYECTO: ESTUDIO DEFINITIVO PARA LA REHABILITACIÓN Y MEJORAMIENTO DE LA CARRETERA: DV IMPERIAL – PAMPAS

PLANO: CARRIL DE ASCENSO DEL KM 34+300 AL KM 34+790 KM 34+300 AL KM 34+790

| ESCALA | NUMERO PLANO | REV. |
|---|---|---|
| 1:1000 | 181152–100–2–10–64 | 1 |

Ing. Alberto Ponce Castellanos, PMP – Jefe de Estudio – CIP 47224

Ing. Carlos Flores Velazquo – Especialista en Trazo, Topografía y Diseño Vial – CIP N° 109021

CONFIDENCIAL
ESTE PLANO Y LA INFORMACION CONTENIDA EN EL, SON PROPIEDAD DE MTC – PROVIAS NACIONAL. SU USO Y REPRODUCCION SIN AUTORIZACION PREVIA, ESTAN PROHIBIDOS.

GMI

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