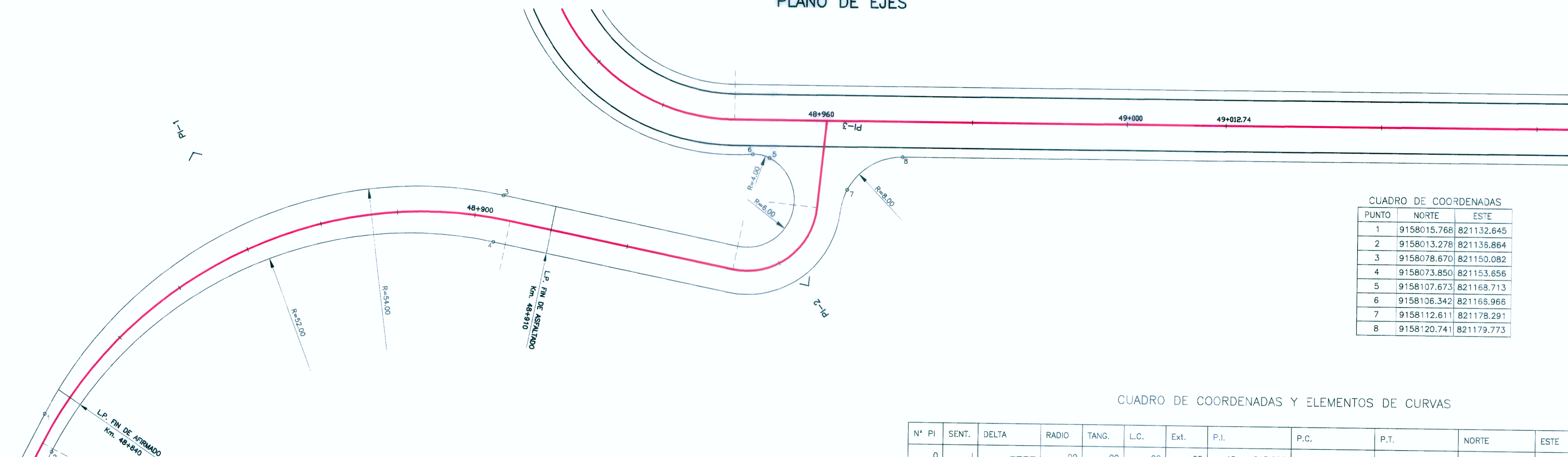


INTERSECCIÓN CHUQUIBAMBA
Km. 49+000 LD
PLANO DE EJES



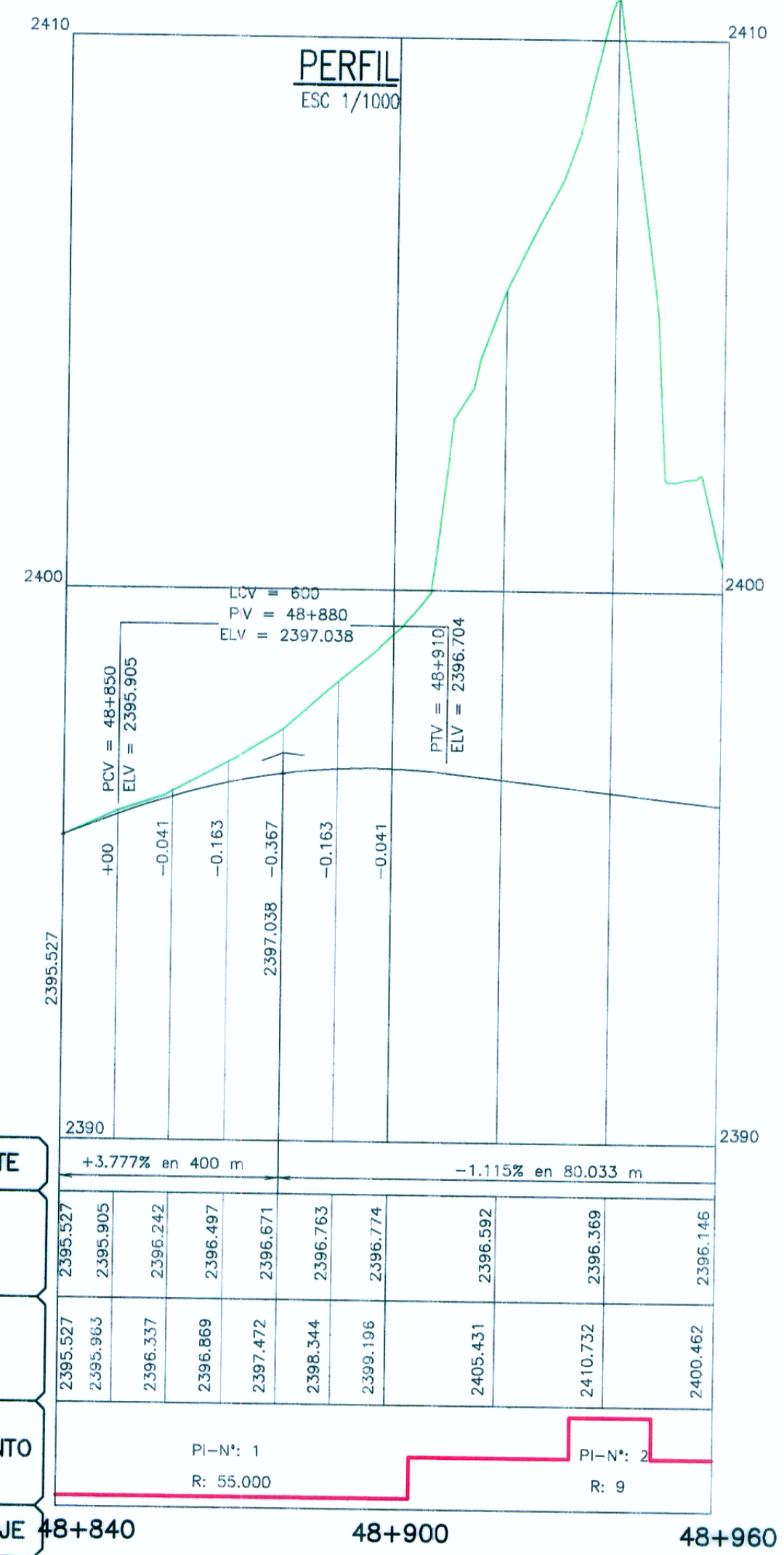
CUADRO DE COORDENADAS

| PUNTO | NORTE | ESTE |
|-------|-------------|------------|
| 1 | 9158015.768 | 821132.645 |
| 2 | 9158013.278 | 821136.864 |
| 3 | 9158078.670 | 821150.082 |
| 4 | 9158073.850 | 821153.656 |
| 5 | 9158107.673 | 821168.713 |
| 6 | 9158106.342 | 821166.966 |
| 7 | 9158112.611 | 821178.291 |
| 8 | 9158120.741 | 821179.773 |

PLANTA
1:300

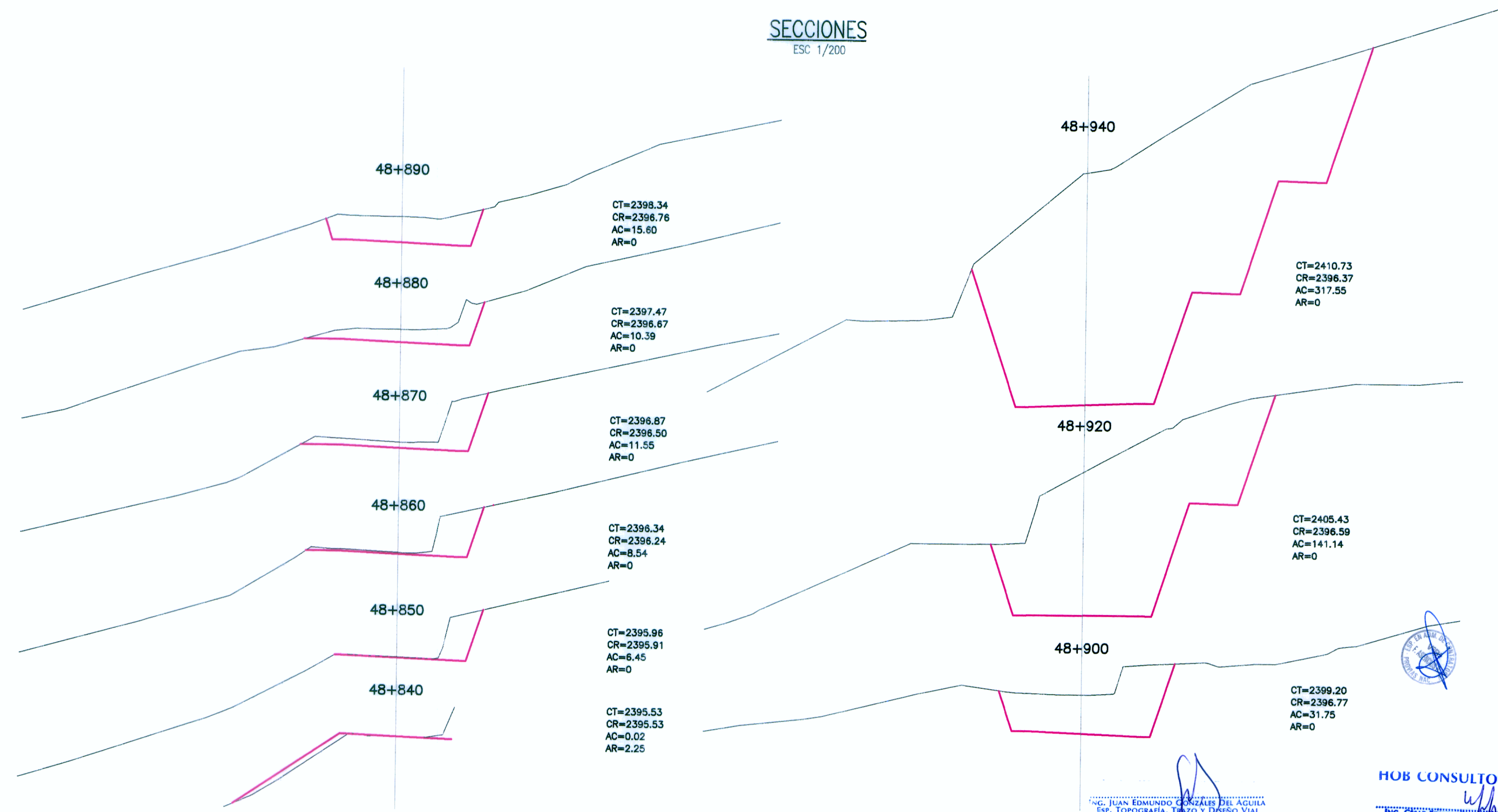
CUADRO DE COORDENADAS Y ELEMENTOS DE CURVAS

| N° | PI | SENT. | DELTA | RADIO | TANG. | L.C. | Ext. | P.I. | P.C. | P.T. | NORTE | ESTE | P% | SA |
|----|------|-------|-----------|--------|--------|--------|--------|--------------|--------------|--------------|-------------|------------|-----|----|
| 0 | I | ---- | 00 | 00 | 00 | 00 | 00 | 48 + 815.888 | 48 + 815.888 | 48 + 815.888 | 9157997.030 | 821141.712 | 0.0 | 0 |
| 1 | D | | 74°22'09" | 55.000 | 41.724 | 71.389 | 14.035 | 48 + 874.921 | 48 + 833.197 | 48 + 904.587 | 9158051.884 | 821119.895 | 4.0 | 0 |
| 2 | I | | 95°33'49" | 9.000 | 9.919 | 15.011 | 4.394 | 48 + 943.781 | 48 + 933.861 | 48 + 948.873 | 9158100.943 | 821184.245 | 4.0 | 0 |
| 3 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 48 + 960.000 | ---- | ---- | 9158116.364 | 821169.922 | 4.0 | 0 |



| PENDIENTE | COTA RASANTE | COTA TERRENO | ALINEAMIENTO | KILOMETRAJE |
|---------------------|--------------|--------------|--------------|-------------|
| +3.777% en 400 m | 2395.527 | 2395.527 | PI-N°: 1 | 48+840 |
| -1.115% en 80.033 m | 2395.303 | 2395.303 | R: 55.000 | 48+900 |
| | 2396.337 | 2396.337 | | 48+960 |
| | 2396.869 | 2396.869 | | |
| | 2397.472 | 2397.472 | PI-N°: 2 | |
| | 2398.344 | 2398.344 | R: 9 | |
| | 2399.106 | 2399.106 | | |
| | 2405.431 | 2405.431 | | |
| | 2410.732 | 2410.732 | | |
| | 2400.462 | 2400.462 | | |
| | 2396.369 | 2396.369 | | |
| | 2396.146 | 2396.146 | | |

SECCIONES
ESC 1/200



HOB CONSULTORES S.A.
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 CIP N° 10103