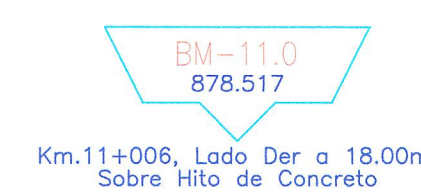


CUADRO PUNTOS DE CONTROL GPS

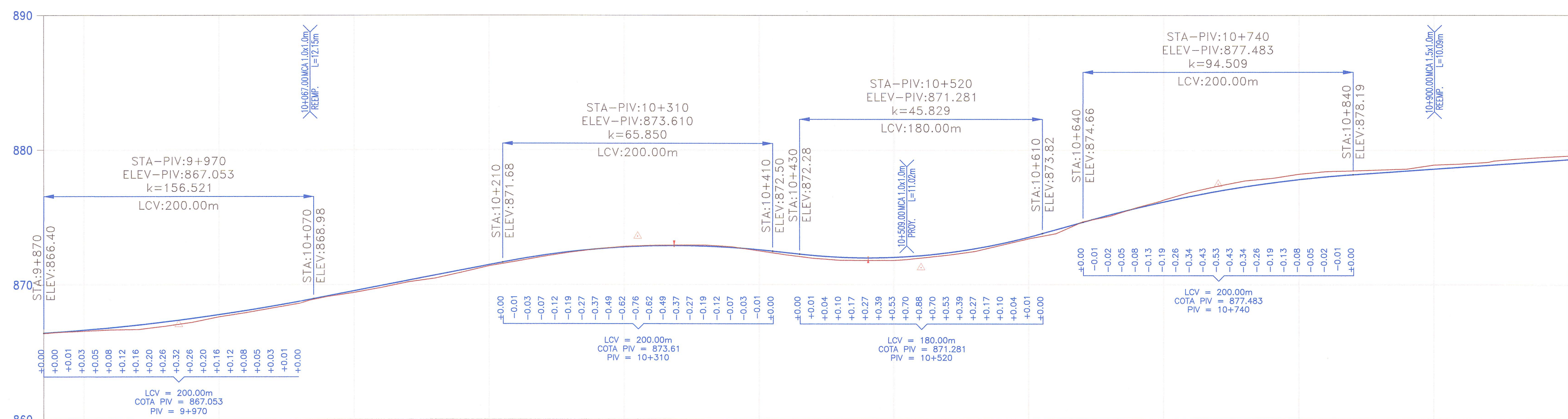
| N° | CODIGO | COORDENADAS UTM | |
|----|--------|-----------------|-------------|
| | | NORTE | ESTE |
| 1 | GPS-5 | 9'322,511.241 | 267,880.976 |
| 2 | GPS-6 | 9'322,170.014 | 267,744.077 |

ELEMENTOS DE CURVAS

| N° | SEN | ANGULO | | | RADIO | T | LC | EX. | PC / TS | SC | PI | CS | PT / ST | COORDENADAS PC/TS | | COORDENADAS SC | | COORDENADAS PI | | COORDENADAS CS | | COORDENADAS PT/ST | |
|-------|-----|--------|-----|-------|--------|---|----|-----|---------|----|-----------|----|---------|-------------------|------|----------------|------|----------------|-------------|----------------|------|-------------------|------|
| | | Grad | Min | Seg | | | | | | | | | | Norte | Este | Norte | Este | Norte | Este | Norte | Este | Norte | Este |
| PP-16 | D | 00 | 02 | 54.43 | Quebre | | | | | | 10+298.60 | | | | | | | 9,322,540.809 | 267,879.120 | | | | |



PERFIL
ESCALAS
HORIZONTAL = 1/2,000
VERTICAL = 1/200



| PENDIENTES | 0.651% en 450.0mts | | 1.929% en 340.0mts | | -1.109% en 210.0mts | | 2.819% en 220.0mts | | 0.703% en 720.0mts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|--------------------|---------|--------------------|---------|---------------------|---------|--------------------|---------|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| COTA DE TERRENO | 866.402 | 866.471 | 866.459 | 866.626 | 866.549 | 866.649 | 866.679 | 866.919 | 867.209 | 867.788 | 867.629 | 868.097 | 867.939 | 868.432 | 868.291 | 868.792 | 868.641 | 869.174 | 869.121 | 869.560 | 869.431 | 869.946 | 869.791 | 870.331 | 870.211 | 870.717 | 870.479 | 871.103 | 870.929 | 871.488 | 871.399 | 871.867 | 871.739 | 872.192 | 872.099 | 872.456 | 872.409 | 872.659 | 872.659 | 872.802 | 872.839 | 872.884 | 872.919 | 872.905 | 872.939 | 872.866 | 872.946 | 872.765 | 872.816 | 872.604 | 872.516 | 872.390 | 872.226 | 872.179 | 871.966 | 872.045 | 871.816 | 871.998 | 871.806 | 872.038 | 871.806 | 872.165 | 871.986 | 872.380 | 872.194 | 872.682 | 872.474 | 873.071 | 872.954 | 873.547 | 873.422 | 874.100 | 873.802 | 874.664 | 874.692 | 875.207 | 875.112 | 875.707 | 875.742 | 876.165 | 876.313 | 876.580 | 876.883 | 876.954 | 877.333 | 877.285 | 877.723 | 877.573 | 877.913 | 877.820 | 878.223 | 878.024 | 878.423 | 878.185 | 878.467 | 878.328 | 878.537 | 878.466 | 878.607 | 878.607 | 878.607 | 878.747 | 878.987 | 878.888 | 879.107 | 879.028 | 879.337 | 879.169 | 879.467 | 879.310 | 879.582 |
| COTA DE SUBRASANTE | 866.402 | 866.471 | 866.459 | 866.626 | 866.549 | 866.649 | 866.679 | 866.919 | 867.209 | 867.788 | 867.629 | 868.097 | 867.939 | 868.432 | 868.291 | 868.792 | 868.641 | 869.174 | 869.121 | 869.560 | 869.431 | 869.946 | 869.791 | 870.331 | 870.211 | 870.717 | 870.479 | 871.103 | 870.929 | 871.488 | 871.399 | 871.867 | 871.739 | 872.192 | 872.099 | 872.456 | 872.409 | 872.659 | 872.659 | 872.802 | 872.839 | 872.884 | 872.919 | 872.905 | 872.939 | 872.866 | 872.946 | 872.765 | 872.816 | 872.604 | 872.516 | 872.390 | 872.226 | 872.179 | 871.966 | 872.045 | 871.816 | 871.998 | 871.806 | 872.038 | 871.806 | 872.165 | 871.986 | 872.380 | 872.194 | 872.682 | 872.474 | 873.071 | 872.954 | 873.547 | 873.422 | 874.100 | 873.802 | 874.664 | 874.692 | 875.207 | 875.112 | 875.707 | 875.742 | 876.165 | 876.313 | 876.580 | 876.883 | 876.954 | 877.333 | 877.285 | 877.723 | 877.573 | 877.913 | 877.820 | 878.223 | 878.024 | 878.423 | 878.185 | 878.467 | 878.328 | 878.537 | 878.466 | 878.607 | 878.607 | 878.607 | 878.747 | 878.987 | 878.888 | 879.107 | 879.028 | 879.337 | 879.169 | 879.467 | 879.310 | 879.582 |
| ALINEAMIENTO | PP-16-D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KILOMETRAJE | 9+870 | 900 | Km. 10 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 | 2500 | 2600 | 2700 | 2800 | 2900 | 3000 | 3100 | 3200 | 3300 | 3400 | 3500 | 3600 | 3700 | 3800 | 3900 | 4000 | 4100 | 4200 | 4300 | 4400 | 4500 | 4600 | 4700 | 4800 | 4900 | 5000 | 5100 | 5200 | 5300 | 5400 | 5500 | 5600 | 5700 | 5800 | 5900 | 6000 | 6100 | 6200 | 6300 | 6400 | 6500 | 6600 | 6700 | 6800 | 6900 | 7000 | 7100 | 7200 | 7300 | 7400 | 7500 | 7600 | 7700 | 7800 | 7900 | 8000 | 8100 | 8200 | 8300 | 8400 | 8500 | 8600 | 8700 | 8800 | 8900 | 9000 | 9100 | 9200 | 9300 | 9400 | 9500 | 9600 | 9700 | 9800 | 9900 | 10000 | | | | | | | | |

LEYENDA :

- ALCANTARILLA EXISTENTE (E) O PROYECTADA (P)
- SEÑALES INFORMATIVAS
- POSTES KILOMETRICOS
- SEÑALES REGLAMENTARIAS
- SEÑALES PREVENTIVAS
- CUNETAS EXISTENTE (E) O PROYECTADA (P)
- GUARDAVIA
- EJE PROYECTADO
- BORDE PROYECTADO
- CARRIL DE ASCENSO
- EJE ACCESOS
- BORDE ACCESOS
- BORDE CARRETERA EXISTENTE
- CERCO
- TORRE ALTA TENSION
- POSTE DE LUZ
- BUZON
- SEÑAL