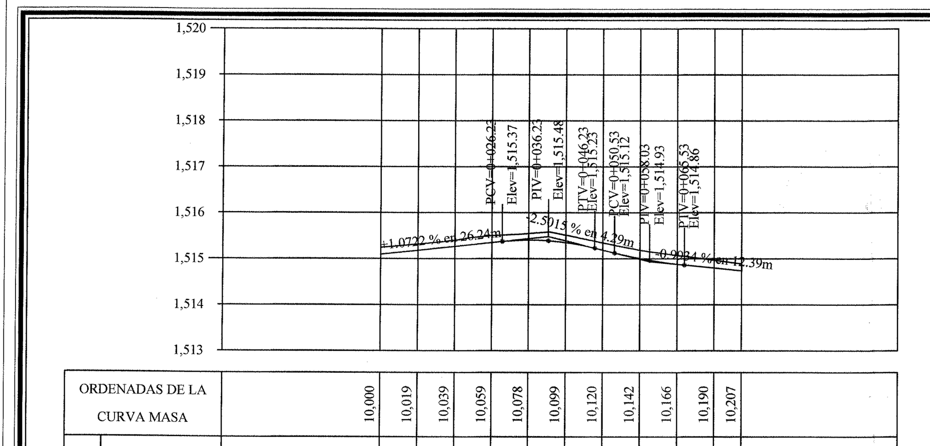
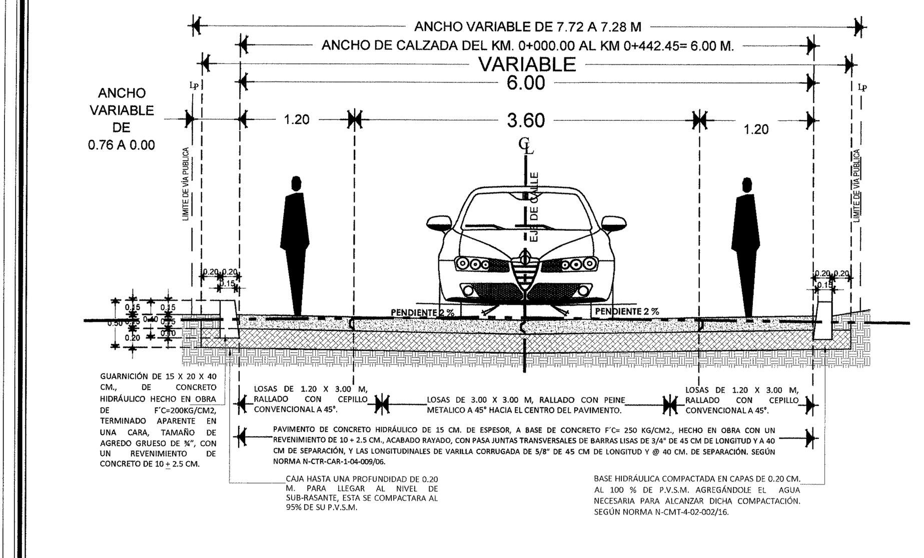


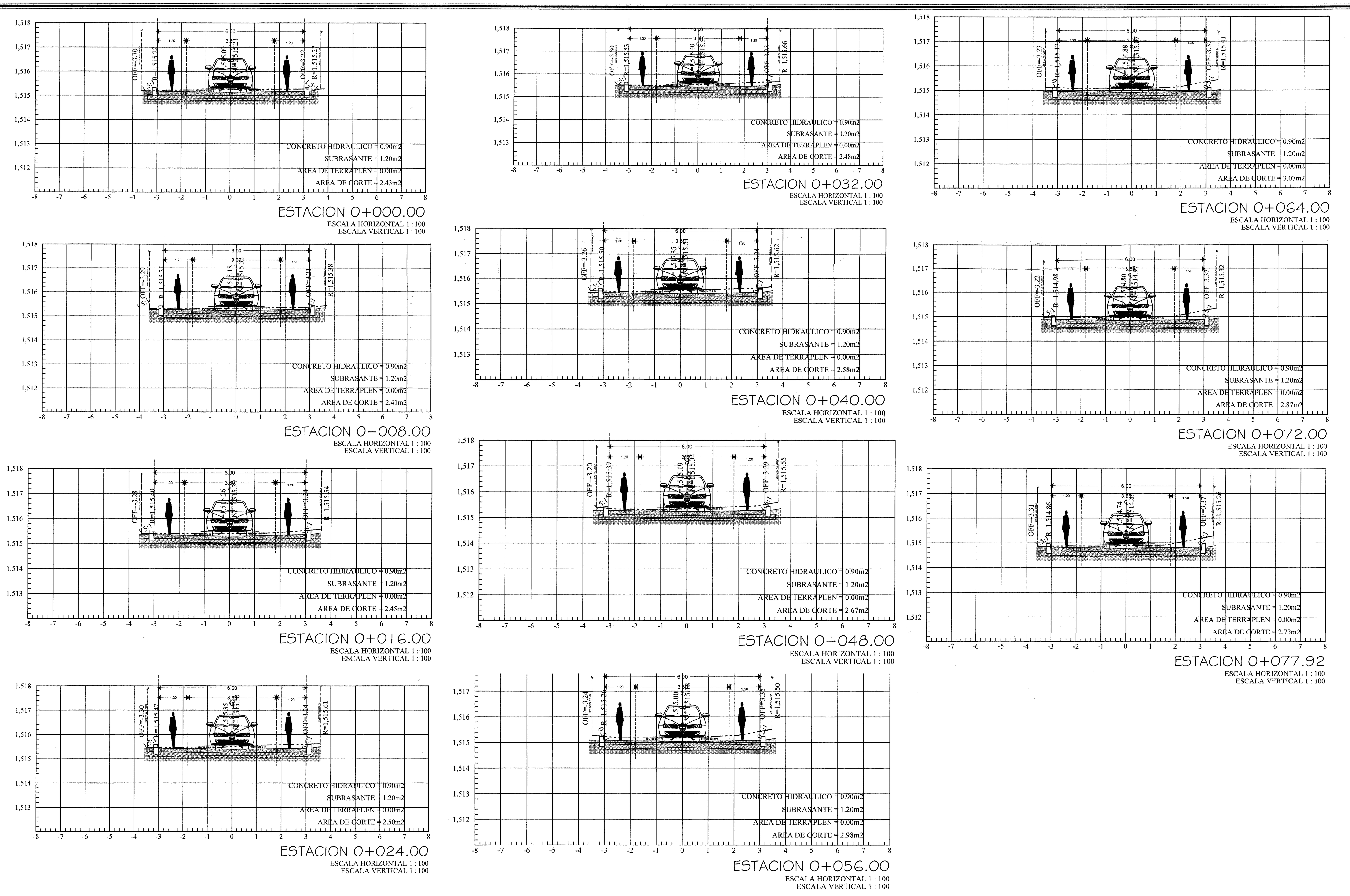
## PERFIL PAVIMENTO DE CONCRETO HIDRAULICO DE LA CALLE BENITO JUAREZ
KM. 0+000.00 AL KM 0+077.92

ESCALA HORIZONTAL 1 : 1000
ESCALA VERTICAL 1 : 100
TOTAL VOLUMEN CORTE = 206.88m3
TOTAL VOLUMEN TERRAPLEN = -0.13m3

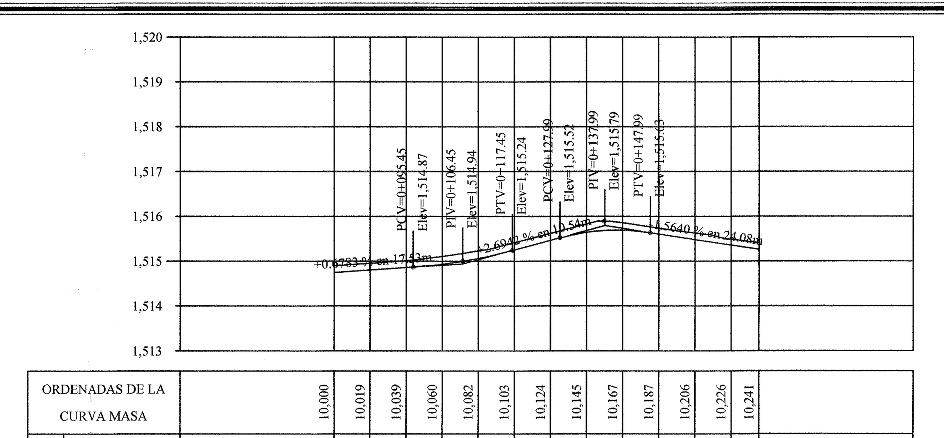
| | | 0+000.00 | 0+008.00 | 0+016.00 | 0+024.00 | 0+032.00 | 0+040.00 | 0+048.00 | 0+056.00 | 0+064.00 | 0+072.00 | 0+077.92 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ORDENADAS DE LA CURVA MASA | | 10,000 | 10,019 | 10,039 | 10,059 | 10,078 | 10,099 | 10,120 | 10,142 | 10,166 | 10,190 | 10,207 |
| VOLUMEN | TERRAPLEN | 0.00 | 0.02 | 0.02 | 0.02 | 0.03 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 |
| VOLUMEN | CORTE | 0.00 | 19.35 | 19.42 | 19.80 | 19.95 | 20.25 | 21.00 | 22.59 | 24.18 | 23.76 | 16.57 |
| ESPESOR | TERRAPLEN | | | | | | | | | | | |
| ESPESOR | CORTE | 0.15 | 0.14 | 0.13 | 0.15 | 0.14 | 0.16 | 0.16 | 0.18 | 0.19 | 0.17 | 0.15 |
| ELEVACION | SUBRASANTE | 1,515.09 | 1,515.18 | 1,515.26 | 1,515.35 | 1,515.40 | 1,515.35 | 1,515.19 | 1,515.00 | 1,514.88 | 1,514.80 | 1,514.74 |
| ELEVACION | TERRENO | 1,515.24 | 1,515.32 | 1,515.39 | 1,515.50 | 1,515.55 | 1,515.51 | 1,515.34 | 1,515.18 | 1,515.07 | 1,514.97 | 1,514.89 |




## SECCION DE CONSTRUCCION DE LA CALLE



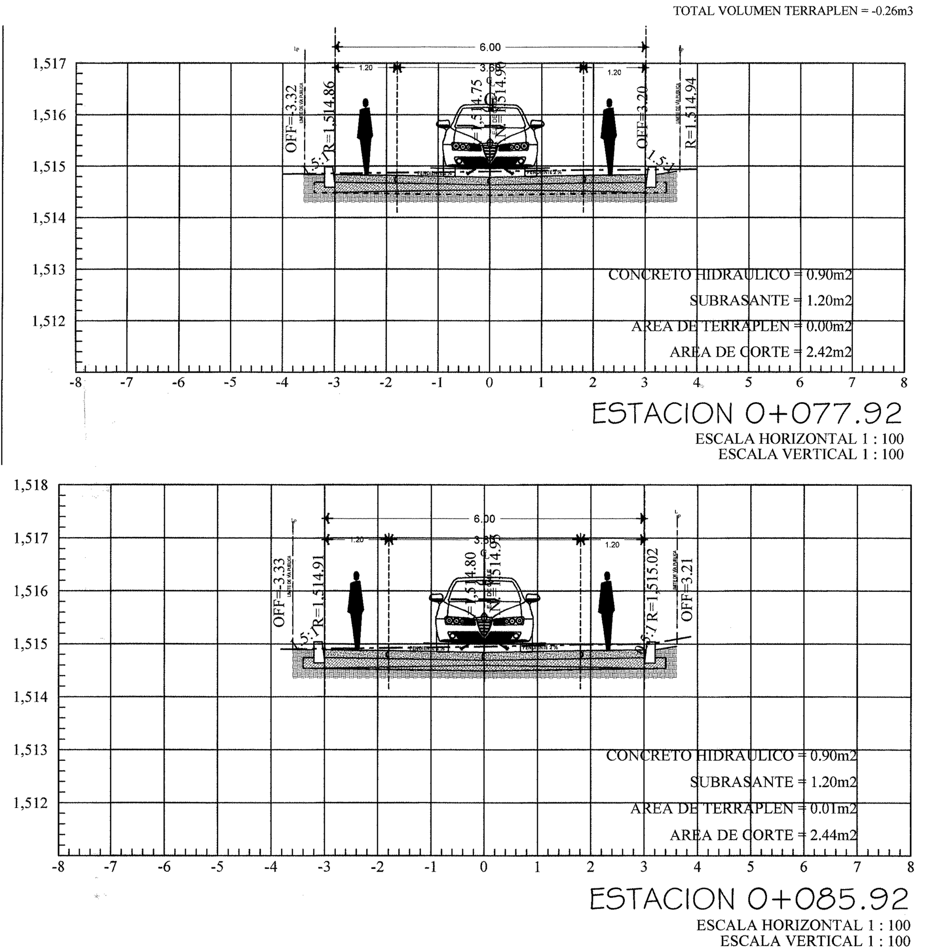

| COORDENADA INICIAL DE CURVA MASA | | | 10,000.00 | | AREAS | | | | | | | | VOLUMENES | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SECCIONES DE TN LEVANTADAS EN CAMPO | ELEVACIONES | | ESPESORES | | DESPALME | | C | T | SBR | CH | Factor de abundamiento en corte | SEMI-DISTANCIA | DESPALME | | C | T | SBR | CH | RESUMEN (ORDENADAS DE LA CURVA MASA) | |
| | TN | SUBRASANTE | C | T | DC | DT | | | | | | | DC | DT | | | | | | |
| 0+000.000 | 1515.241 | 1515.091 | 0.15 | 0.00 | 0.00 | 0.00 | 2.43 | 0.00 | 1.20 | 0.90 | | | | | | | | | 0+000.000 | 10,000.00 |
| 0+008.000 | 1515.316 | 1515.177 | 0.14 | 0.00 | 0.00 | 0.00 | 2.41 | 0.00 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 19.35 | 0.02 | 9.60 | 7.20 | 0+008.000 | 10,019.33 |
| 0+016.000 | 1515.394 | 1515.263 | 0.13 | 0.00 | 0.00 | 0.00 | 2.45 | 0.00 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 19.42 | 0.02 | 9.60 | 7.20 | 0+016.000 | 10,038.73 |
| 0+024.000 | 1515.498 | 1515.349 | 0.15 | 0.00 | 0.00 | 0.00 | 2.50 | 0.00 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 19.80 | 0.02 | 9.60 | 7.20 | 0+024.000 | 10,058.51 |
| 0+032.000 | 1515.546 | 1515.405 | 0.14 | 0.00 | 0.00 | 0.00 | 2.48 | 0.00 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 19.95 | 0.03 | 9.60 | 7.20 | 0+032.000 | 10,078.43 |
| 0+040.000 | 1515.510 | 1515.351 | 0.16 | 0.00 | 0.00 | 0.00 | 2.58 | 0.00 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 20.25 | 0.02 | 9.60 | 7.20 | 0+040.000 | 10,098.67 |
| 0+048.000 | 1515.345 | 1515.186 | 0.16 | 0.00 | 0.00 | 0.00 | 2.67 | 0.00 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 21.00 | 0.01 | 9.60 | 7.20 | 0+048.000 | 10,119.66 |
| 0+056.000 | 1515.183 | 1515.001 | 0.18 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 22.59 | 0.00 | 9.60 | 7.20 | 0+056.000 | 10,142.25 |
| 0+064.000 | 1515.072 | 1514.877 | 0.19 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 24.18 | 0.00 | 9.60 | 7.20 | 0+064.000 | 10,166.43 |
| 0+072.000 | 1514.966 | 1514.796 | 0.17 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 23.76 | 0.00 | 9.60 | 7.20 | 0+072.000 | 10,190.19 |
| 0+077.920 | 1514.887 | 1514.737 | 0.15 | 0.00 | 0.00 | 0.00 | 2.73 | 0.00 | 1.20 | 0.90 | 1.00 | 2.96 | 0.00 | 0.00 | 16.57 | 0.01 | 7.10 | 5.33 | 0+077.920 | 10,206.75 |
| | | | | | | | | | | | | | | | 206.88 | 0.13 | 93.50 | 70.13 | | |



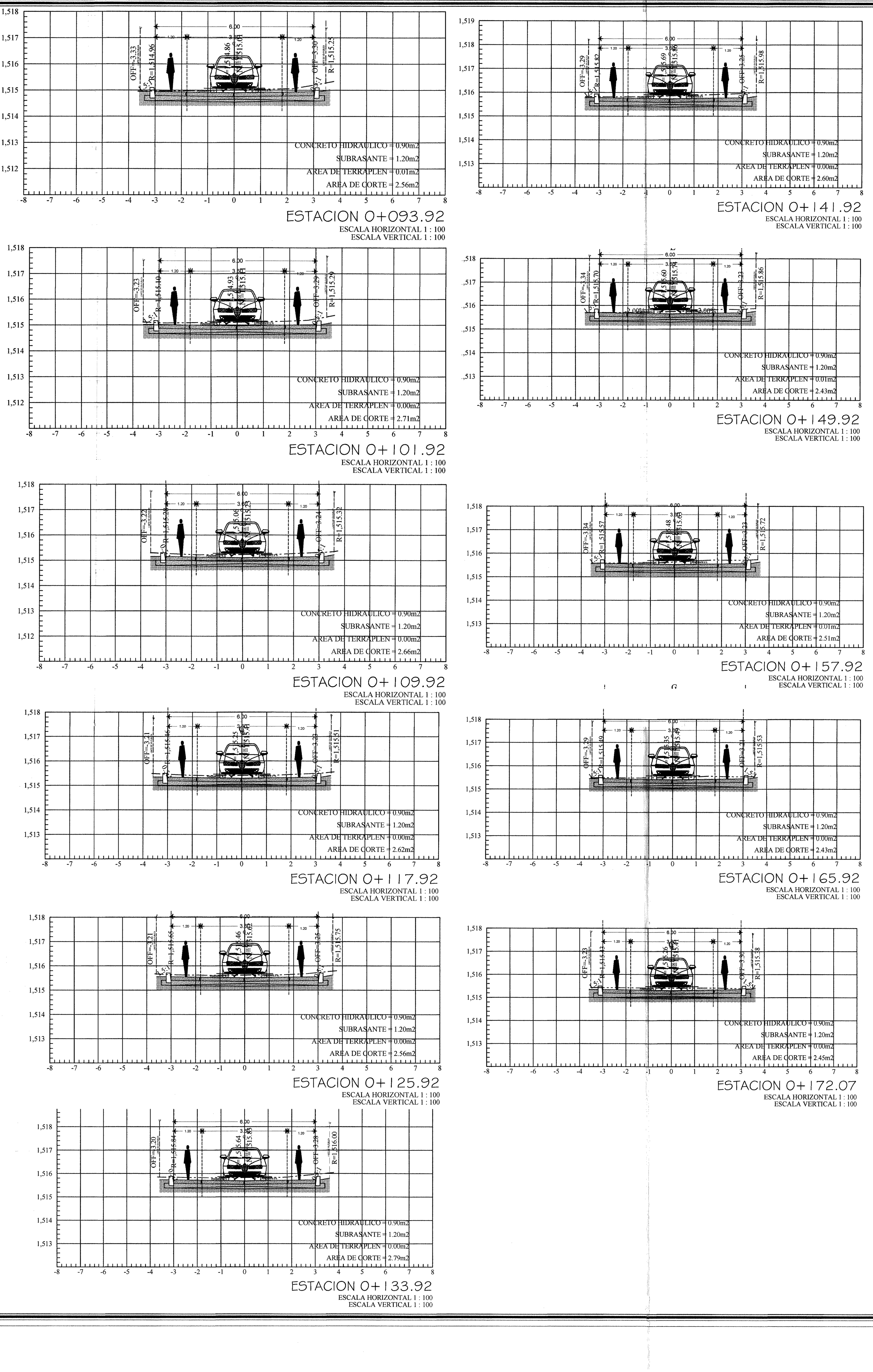
## PERFIL PAVIMENTO DE CONCRETO HIDRAULICO DE LA CALLE BENITO JUAREZ
KM. 0+077.92 AL KM 0+172.07

ESCALA HORIZONTAL 1 : 1000
ESCALA VERTICAL 1 : 100
TOTAL VOLUMEN CORTE = 241.41m3
TOTAL VOLUMEN TERRAPLEN = -0.26m3

| | | 0+077.92 | 0+085.92 | 0+093.92 | 0+101.92 | 0+109.92 | 0+117.92 | 0+125.92 | 0+133.92 | 0+141.92 | 0+149.92 | 0+157.92 | 0+165.92 | 0+172.07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ORDENADAS DE LA CURVA MASA | | 10,000 | 10,019 | 10,039 | 10,060 | 10,082 | 10,103 | 10,124 | 10,145 | 10,167 | 10,187 | 10,206 | 10,226 | 10,241 |
| VOLUMEN | TERRAPLEN | 0.00 | 0.04 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.04 | 0.05 | 0.04 | 0.02 |
| VOLUMEN | CORTE | 0.00 | 19.45 | 19.99 | 21.08 | 21.50 | 21.14 | 20.73 | 21.39 | 21.54 | 20.11 | 19.75 | 19.74 | 15.00 |
| ESPESOR | TERRAPLEN | | | | | | | | | | | | | |
| ESPESOR | CORTE | 0.15 | 0.15 | 0.15 | 0.18 | 0.17 | 0.16 | 0.15 | 0.18 | 0.17 | 0.13 | 0.15 | 0.13 | 0.15 |
| ELEVACION | SUBRASANTE | 1,514.75 | 1,514.80 | 1,514.86 | 1,514.93 | 1,515.06 | 1,515.25 | 1,515.46 | 1,515.64 | 1,515.69 | 1,515.60 | 1,515.48 | 1,515.35 | 1,515.26 |
| ELEVACION | TERRENO | 1,514.90 | 1,514.95 | 1,515.01 | 1,515.11 | 1,515.23 | 1,515.41 | 1,515.62 | 1,515.83 | 1,515.86 | 1,515.74 | 1,515.63 | 1,515.49 | 1,515.41 |




| COORDENADA INICIAL DE CURVA MASA | | | 10,000.00 | | AREAS | | | | | | | | VOLUMENES | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SECCIONES DE TN LEVANTADAS EN CAMPO | ELEVACIONES | | ESPESORES | | DESPALME | | C | T | SBR | CH | Factor de abundamiento en corte | SEMI-DISTANCIA | DESPALME | | C | T | SBR | CH | RESUMEN (ORDENADAS DE LA CURVA MASA) | |
| | TN | SUBRASANTE | C | T | DC | DT | | | | | | | DC | DT | | | | | | |
| 0+077.920 | 1514.897 | 1514.747 | 0.15 | 0.00 | 0.00 | 0.00 | 2.42 | 0.00 | 1.20 | 0.90 | | | | | | | | | 0+077.920 | 10,000.00 |
| 0+085.920 | 1514.951 | 1514.801 | 0.15 | 0.00 | 0.00 | 0.00 | 2.44 | 0.01 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 19.45 | 0.04 | 9.60 | 7.20 | 0+085.920 | 10,019.41 |
| 0+093.920 | 1515.010 | 1514.856 | 0.15 | 0.00 | 0.00 | 0.00 | 2.56 | 0.01 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 19.99 | 0.04 | 9.60 | 7.20 | 0+093.920 | 10,039.36 |
| 0+101.920 | 1515.107 | 1514.929 | 0.18 | 0.00 | 0.00 | 0.00 | 2.71 | 0.00 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 21.08 | 0.02 | 9.60 | 7.20 | 0+101.920 | 10,060.41 |
| 0+109.920 | 1515.227 | 1515.060 | 0.17 | 0.00 | 0.00 | 0.00 | 2.66 | 0.00 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 21.50 | 0.00 | 9.60 | 7.20 | 0+109.920 | 10,081.91 |
| 0+117.920 | 1515.411 | 1515.249 | 0.16 | 0.00 | 0.00 | 0.00 | 2.62 | 0.00 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 21.14 | 0.00 | 9.60 | 7.20 | 0+117.920 | 10,103.05 |
| 0+125.920 | 1515.618 | 1515.465 | 0.15 | 0.00 | 0.00 | 0.00 | 2.56 | 0.00 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 20.73 | 0.00 | 9.60 | 7.20 | 0+125.920 | 10,123.78 |
| 0+133.920 | 1515.826 | 1515.643 | 0.18 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 21.39 | 0.00 | 9.60 | 7.20 | 0+133.920 | 10,145.16 |
| 0+141.920 | 1515.856 | 1515.690 | 0.17 | 0.00 | 0.00 | 0.00 | 2.60 | 0.00 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 21.54 | 0.01 | 9.60 | 7.20 | 0+141.920 | 10,166.69 |
| 0+149.920 | 1515.737 | 1515.604 | 0.13 | 0.00 | 0.00 | 0.00 | 2.43 | 0.01 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 20.11 | 0.04 | 9.60 | 7.20 | 0+149.920 | 10,186.76 |
| 0+157.920 | 1515.628 | 1515.479 | 0.15 | 0.00 | 0.00 | 0.00 | 2.51 | 0.01 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 19.75 | 0.05 | 9.60 | 7.20 | 0+157.920 | 10,206.46 |
| 0+165.920 | 1515.488 | 1515.354 | 0.13 | 0.00 | 0.00 | 0.00 | 2.43 | 0.00 | 1.20 | 0.90 | 1.00 | 4.00 | 0.00 | 0.00 | 19.74 | 0.04 | 9.60 | 7.20 | 0+165.920 | 10,226.17 |
| 0+172.070 | 1515.407 | 1515.257 | 0.15 | 0.00 | 0.00 | 0.00 | 2.45 | 0.00 | 1.20 | 0.90 | 1.00 | 3.07 | 0.00 | 0.00 | 15.00 | 0.02 | 7.38 | 5.53 | 0+172.070 | 10,241.15 |
| | | | | | | | | | | | | | | | 241.41 | 0.26 | 112.98 | 84.73 | | |




CROQUIS DE MACRO-LOCALIZACION

CROQUIS DE MICRO-LOCALIZACION

SIMBOLOGIA

| | |
|---|---|
| AGUA POTABLE | |
| POSTE DE LUZ | PL |
| POSTE DE ENERGIA ELECTRICA | PE |
| PAVIMENTO EXISTENTE | |

PROYECTISTA:
ARQ. JOEL ESPINOSA FABIAN
PROF. 1770062

ARQ. JOEL ESPINOSA FABIAN
D.R.O. A-0834-A

LEVANTO:
ARQ. ROEL JUÁREZ GARCIA

NOMBRE DE LA OBRA
**" CONSTRUCCION DE PAVIMENTO CON CONCRETO HIDRAHULICO DE LA CALLE BENITO JUAREZ ".**

UBICADA EN LA LOCALIDA DE SAN ANTONINO CASTILLO VELASCO, MUNICIPIO DE SAN ANTONINO CASTILLO VELASCO, DISTRITO DE OCOTLAN, EN LA REGION VALLES CENTRALES, OAXACA.

PLANO:
TOPOGRAFICO

**H. AYUNTAMIENTO CONSTITUCIONAL DE SAN ANTONINO CASTILLO VELASCO**

LIC. ESTEBAN ABEL SANCHEZ CAMPOS
PRESIDENTE MUNICIPAL

C. LUIS ANGEL HERNANDEZ HERNANDEZ
SECRETARIO MUNICIPAL

| | | | |
|---|---|---|---|
| LOCALIDAD: SAN ANTONINO CASTILLO VELASCO | CLAVE: | FECHA: 2019 | |
| MUNICIPIO: SAN ANTONINO CASTILLO VELASCO | CLAVE: | ESCALA: 1:300 | |
| DITRITO: OCOTLAN | CLAVE: | ACOTACION: METROS | |
| REGION: VALLES CENTRALES | CLAVE: | CLAVE: TOP | PLANO: 02/04 |
| ESTADO: OAXACA | CLAVE: 20 | | |