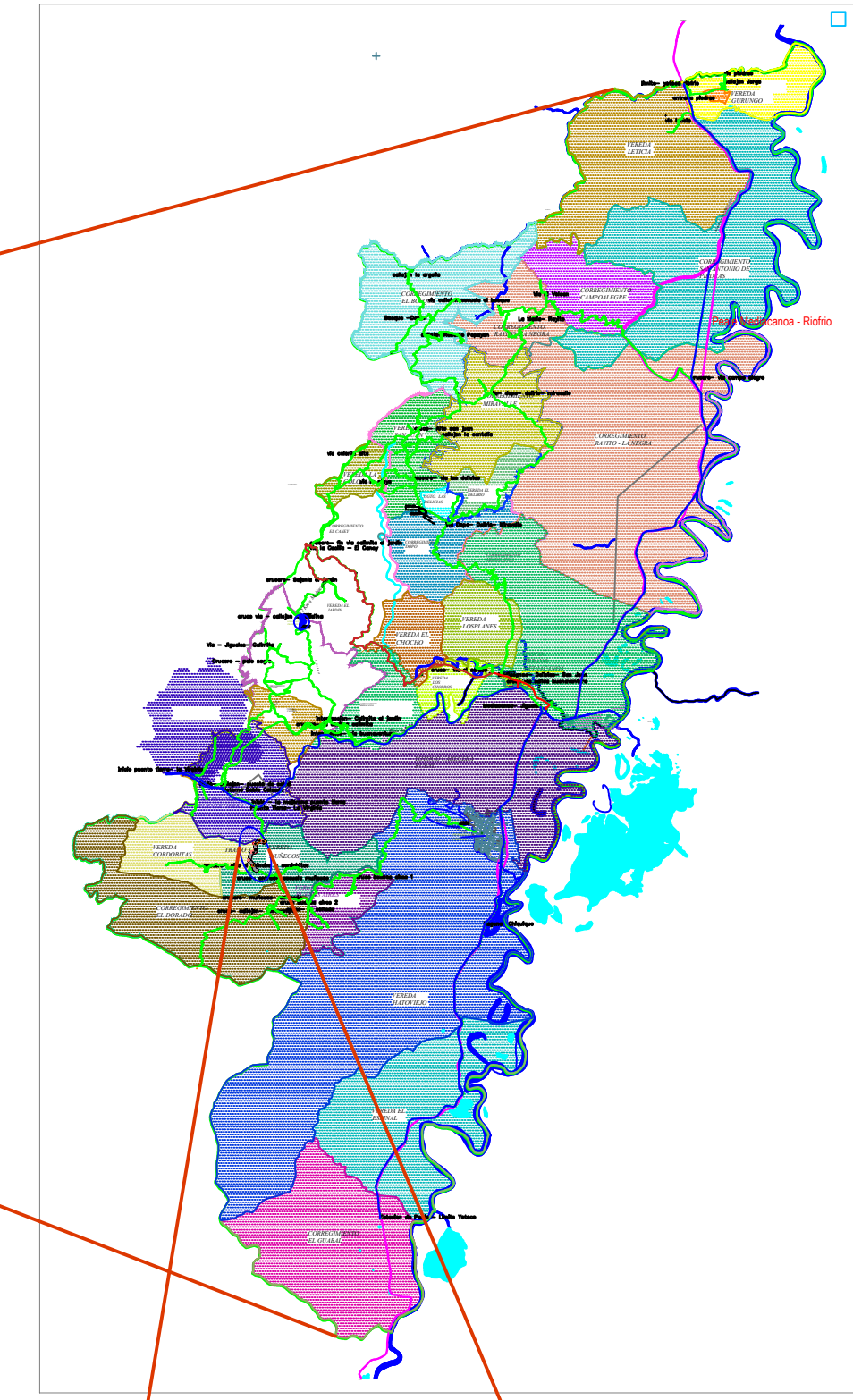


LOCALIZACION GENERAL EN EL VALLE DEL CAUCA



Tramo 3. LAFLORESTA - ALTO DEL CHINCHE  
 PAVIMENTO RIGIDO  
 Longitud: 1260,00 m  
 Coordenada  
 Inicial 917601.72 N Final 918457.96N  
 1070381.69 E 1070609.81E

PLANTA TRAMO 3. LA FLORESTA - ALTO DEL CHINCHE PAVIMENTO RIGIDO



MUNICIPIO DE YOTOCO

PROYECTO:  
 MEJORAMIENTO VIA TERCARIA QUE  
 CONDUCE DE LA MEJORANA AL  
 ALTO EL CHINCHE Y CORDOBITAS  
 DEL CGTO DEL DORADO MCPIO DE  
 YOTOCO VALLE DEL CAUCA

CONTIENE:  
**LOCALIZACION GENERAL  
 TRAMO 3**

LOCALIZACION:  
 CORREGIMIENTO EL DORADO  
 MUNICIPIO DE YOTOCO  
 VALLE DEL CAUCA

LEVANTO:  
*Jose Ramiro Penilla*  
 JOSE RAMIRO PENILLA  
 TOPOGRAFO

PROCESO:  
*Fernando Cordoba*  
 FERNANDO CORDOBA  
 INGENIERO CIVIL

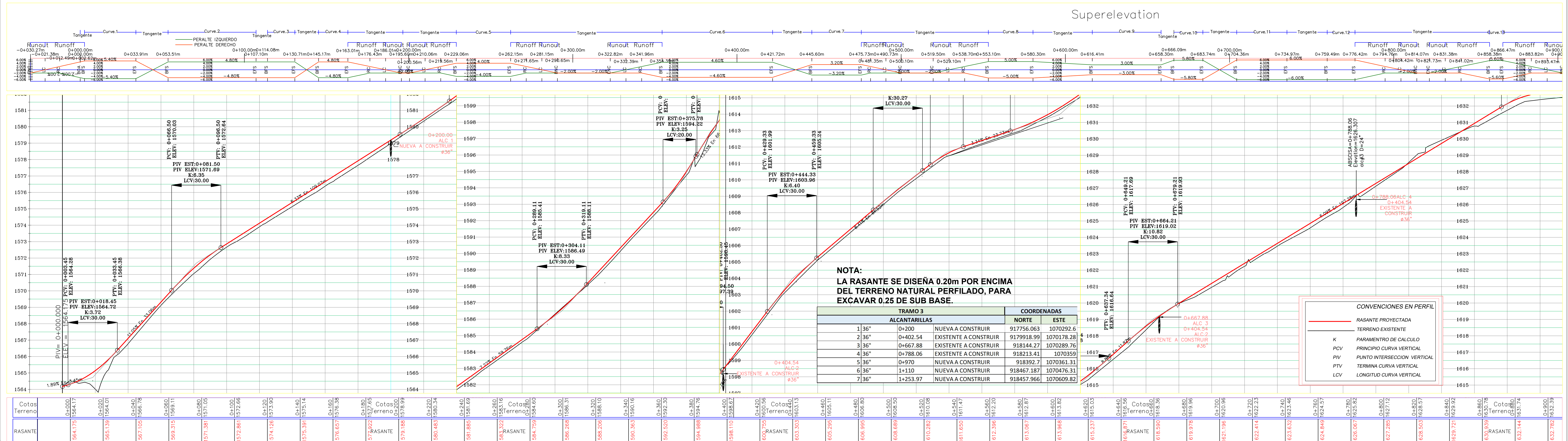
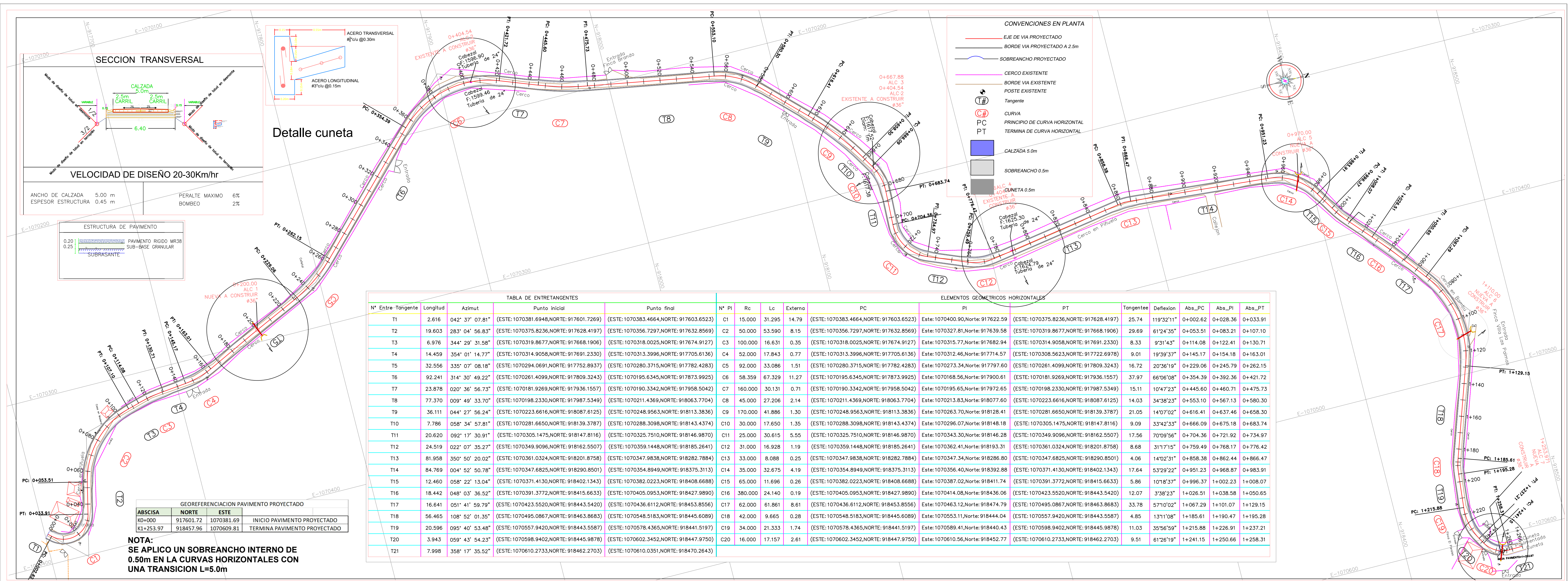
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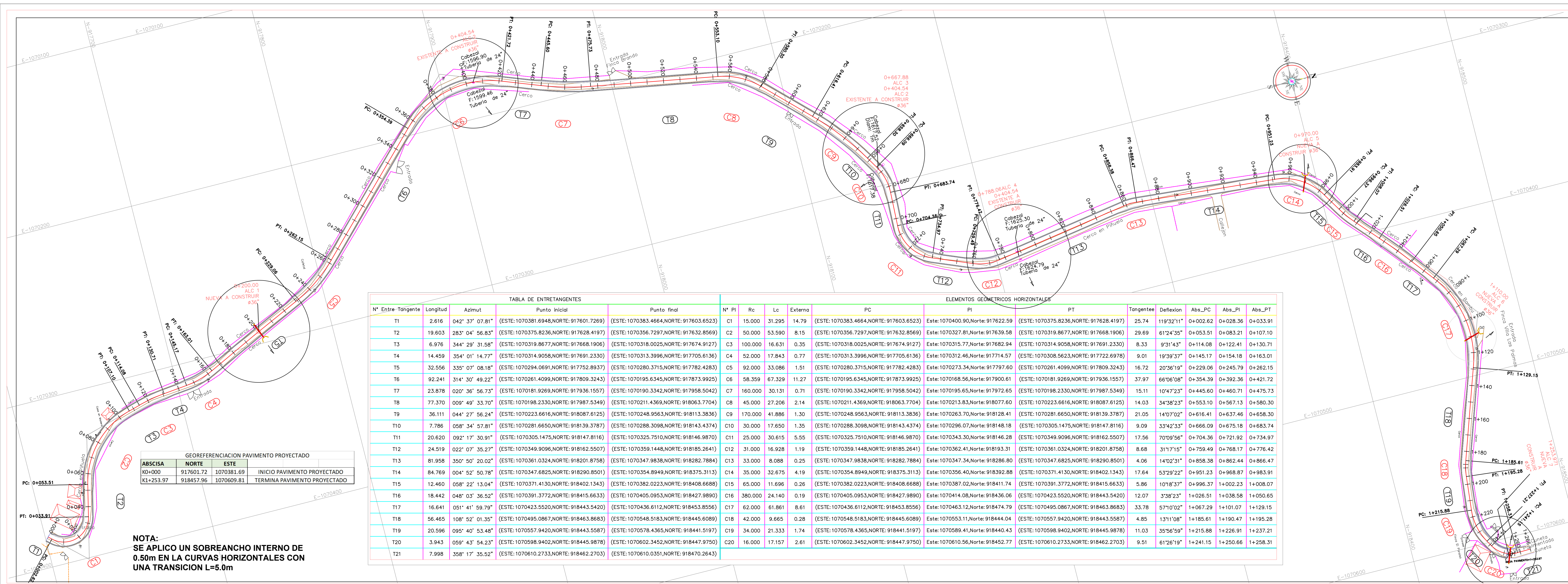
OBSERVACIONES:

FECHA:  
 SEPTIEMBRE 2018

ESCALA:  
**SIN ESCALA**

PLANO:  
**1 / 12**

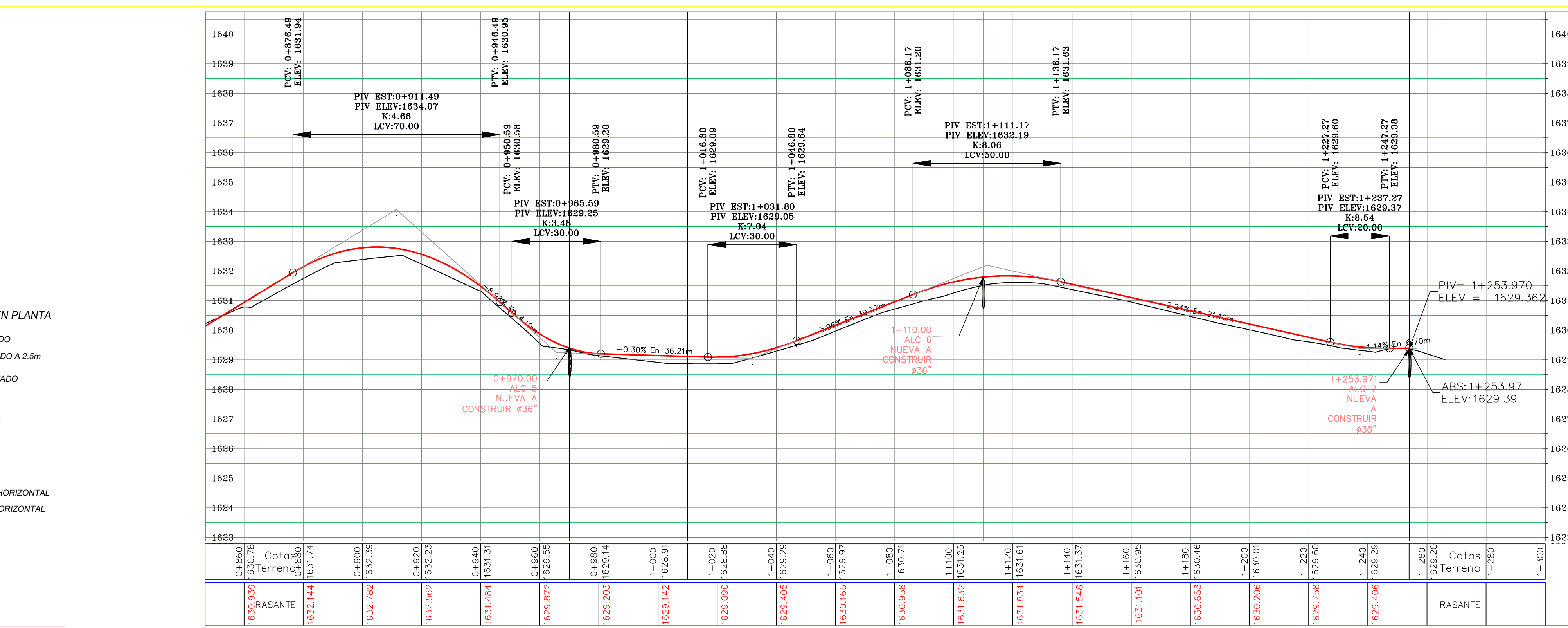
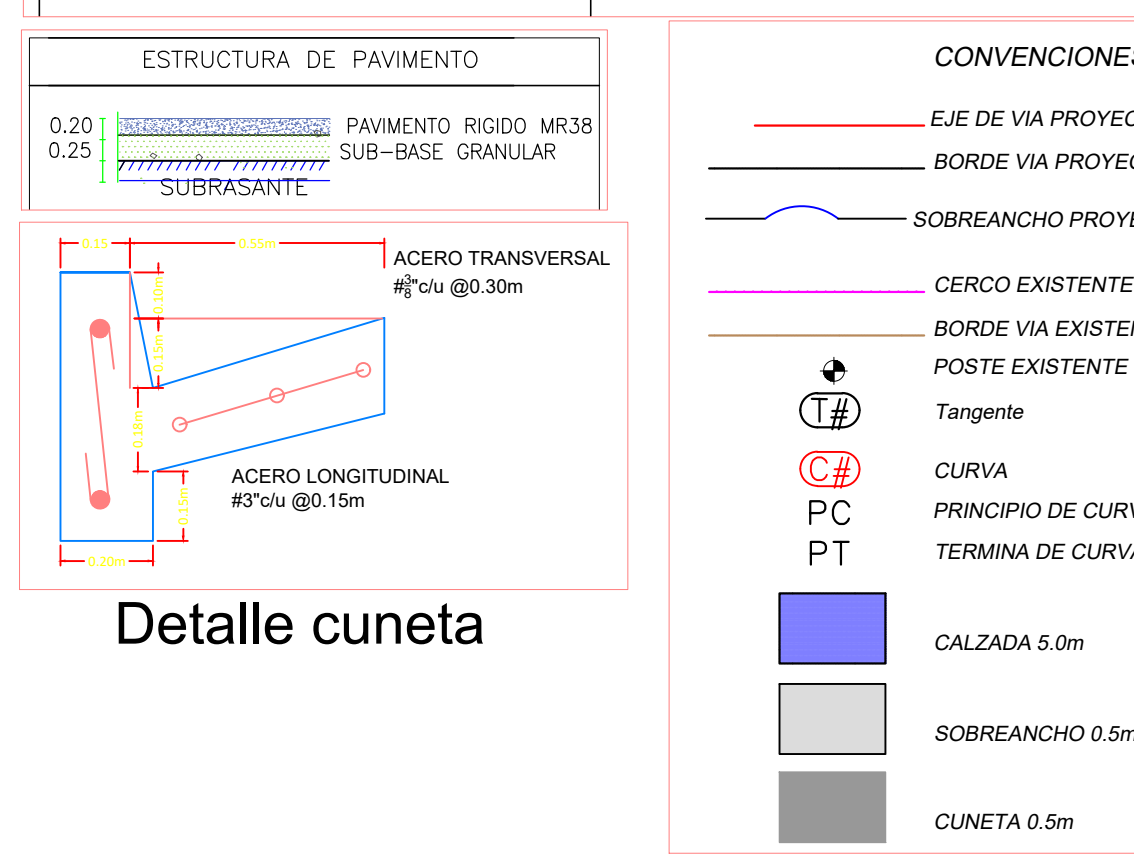
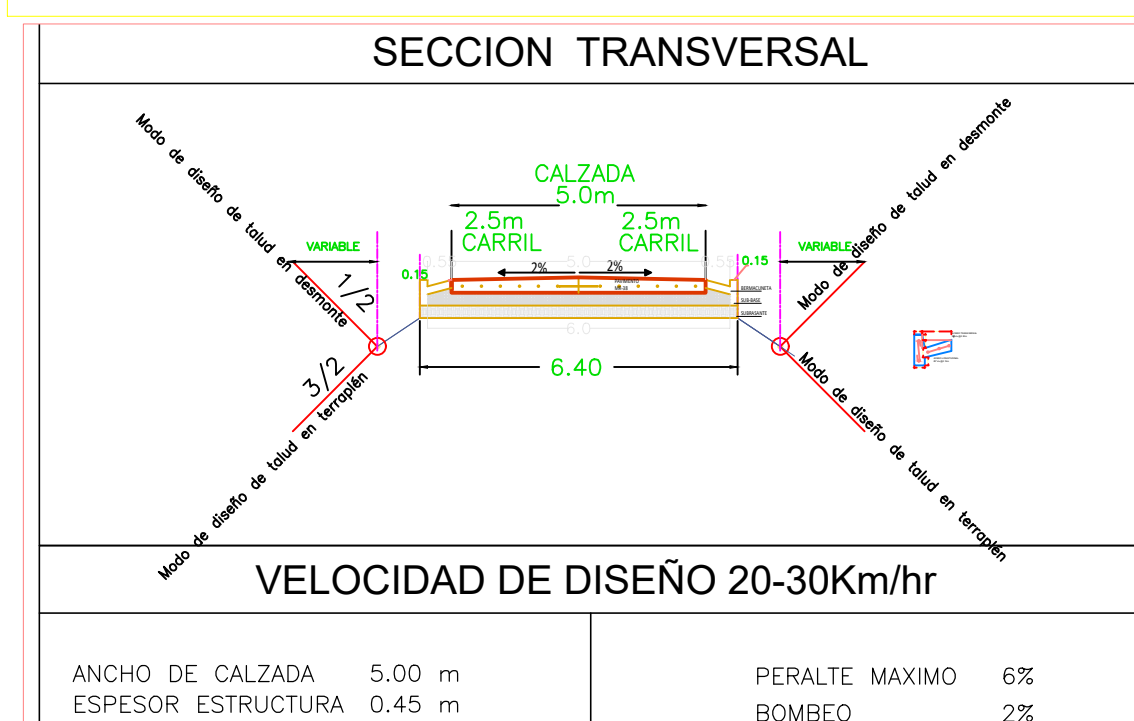
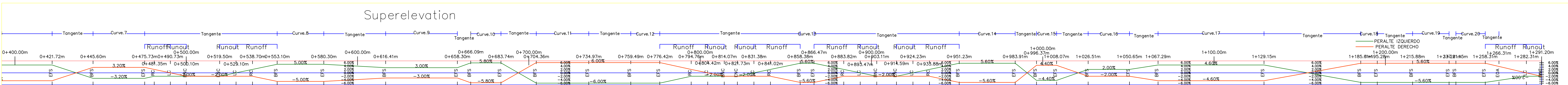




| TABLA DE ENTRETANGENTES |        |                 |   | ELEMENTOS GEOMETRICOS HORIZONTALES      |               |             |        |       |   |                                   |   |       |            |           |           |           |        |        |        |
|-------------------------|--------|-----------------|---|---|---------------|-------------|--------|-------|---|-----------------------------------|---|-------|------------|-----------|-----------|-----------|--------|--------|--------|
| N°                      | Entre  | Tangente        | Longitud                                | Azmut                                   | Punto Inicial | Punto final | N°     | PI    | Rc                                      | Lc                                | Externa                                 | PC    | PI         | PT        | Tangente  | Deflexion | Abs_PC | Abs_PI | Abs_PT |
| T1                      | 2.616  | 042° 37' 07.81" | (ESTE: 1070381.6948,NORTE: 917601.7269) | (ESTE: 1070383.4664,NORTE: 917603.6523) | C1            | 15.000      | 31.295 | 14.79 | (ESTE: 1070383.4664,NORTE: 917603.6523) | Este: 1070400.90,Norte: 917622.59 | (ESTE: 1070375.8236,NORTE: 917628.4197) | 25.74 | 119°32'11" | +0+002.62 | +0+028.36 | +0+033.91 |        |        |        |
| T2                      | 19.603 | 283° 04' 56.83" | (ESTE: 1070375.8236,NORTE: 917628.4197) | (ESTE: 1070356.7297,NORTE: 917632.8569) | C2            | 50.000      | 53.590 | 8.15  | (ESTE: 1070356.7297,NORTE: 917632.8569) | Este: 1070327.81,Norte: 917639.58 | (ESTE: 1070319.8677,NORTE: 917668.1906) | 29.69 | 61°24'35"  | +0+053.51 | +0+083.21 | +0+107.10 |        |        |        |
| T3                      | 6.976  | 344° 29' 31.58" | (ESTE: 1070319.8677,NORTE: 917668.1906) | (ESTE: 1070318.0025,NORTE: 917674.9127) | C3            | 100.000     | 16.631 | 0.35  | (ESTE: 1070318.0025,NORTE: 917674.9127) | Este: 1070315.77,Norte: 917682.94 | (ESTE: 1070314.9058,NORTE: 917691.2330) | 8.33  | 9°31'43"   | +0+114.08 | +0+122.41 | +0+130.71 |        |        |        |
| T4                      | 14.459 | 354° 01' 14.77" | (ESTE: 1070314.9058,NORTE: 917691.2330) | (ESTE: 1070313.3996,NORTE: 917705.6136) | C4            | 52.000      | 17.843 | 0.77  | (ESTE: 1070313.3996,NORTE: 917705.6136) | Este: 1070312.46,Norte: 917714.57 | (ESTE: 1070308.5623,NORTE: 917722.6978) | 9.01  | 19°39'37"  | +0+145.17 | +0+154.18 | +0+163.01 |        |        |        |
| T5                      | 32.556 | 335° 07' 08.18" | (ESTE: 1070294.0691,NORTE: 917752.8937) | (ESTE: 1070280.3715,NORTE: 917782.4283) | C5            | 92.000      | 33.086 | 1.51  | (ESTE: 1070280.3715,NORTE: 917782.4283) | Este: 1070273.34,Norte: 917797.60 | (ESTE: 1070261.4099,NORTE: 917809.3243) | 16.72 | 20°36'19"  | +0+229.06 | +0+245.79 | +0+262.15 |        |        |        |
| T6                      | 92.241 | 314° 30' 49.22" | (ESTE: 1070261.4099,NORTE: 917809.3243) | (ESTE: 1070195.6345,NORTE: 917873.9925) | C6            | 58.359      | 67.329 | 11.27 | (ESTE: 1070195.6345,NORTE: 917873.9925) | Este: 1070168.56,Norte: 917900.61 | (ESTE: 1070161.9269,NORTE: 917936.1557) | 37.97 | 66°06'08"  | +0+354.39 | +0+392.36 | +0+421.72 |        |        |        |
| T7                      | 23.878 | 020° 36' 56.73" | (ESTE: 1070181.9269,NORTE: 917936.1557) | (ESTE: 1070190.3342,NORTE: 917958.5042) | C7            | 160.000     | 30.131 | 0.71  | (ESTE: 1070190.3342,NORTE: 917958.5042) | Este: 1070195.65,Norte: 917972.65 | (ESTE: 1070198.2330,NORTE: 917987.5349) | 15.11 | 10°47'23"  | +0+445.60 | +0+460.71 | +0+475.73 |        |        |        |
| T8                      | 77.370 | 009° 49' 33.70" | (ESTE: 1070198.2330,NORTE: 917987.5349) | (ESTE: 1070211.4369,NORTE: 918063.7704) | C8            | 45.000      | 27.206 | 2.14  | (ESTE: 1070211.4369,NORTE: 918063.7704) | Este: 1070213.83,Norte: 918077.60 | (ESTE: 1070223.6616,NORTE: 918087.6125) | 14.03 | 34°38'23"  | +0+553.10 | +0+567.13 | +0+580.30 |        |        |        |
| T9                      | 36.111 | 044° 27' 56.24" | (ESTE: 1070223.6616,NORTE: 918087.6125) | (ESTE: 1070248.9563,NORTE: 918113.3836) | C9            | 170.000     | 41.886 | 1.30  | (ESTE: 1070248.9563,NORTE: 918113.3836) | Este: 1070263.70,Norte: 918128.41 | (ESTE: 1070281.6650,NORTE: 918139.3787) | 21.05 | 14°07'02"  | +0+616.41 | +0+637.46 | +0+658.30 |        |        |        |
| T10                     | 7.786  | 058° 34' 57.81" | (ESTE: 1070281.6650,NORTE: 918139.3787) | (ESTE: 1070288.3098,NORTE: 918143.4374) | C10           | 30.000      | 17.650 | 1.35  | (ESTE: 1070288.3098,NORTE: 918143.4374) | Este: 1070296.07,Norte: 918148.18 | (ESTE: 1070305.1475,NORTE: 918147.8116) | 9.09  | 33°42'33"  | +0+666.09 | +0+675.18 | +0+683.74 |        |        |        |
| T11                     | 20.620 | 092° 17' 30.91" | (ESTE: 1070305.1475,NORTE: 918147.8116) | (ESTE: 1070325.7510,NORTE: 918146.9870) | C11           | 25.000      | 30.615 | 5.55  | (ESTE: 1070325.7510,NORTE: 918146.9870) | Este: 1070343.30,Norte: 918146.28 | (ESTE: 1070349.9096,NORTE: 918162.5507) | 17.56 | 70°09'56"  | +0+704.36 | +0+721.92 | +0+734.97 |        |        |        |
| T12                     | 24.519 | 022° 17' 35.27" | (ESTE: 1070349.9096,NORTE: 918162.5507) | (ESTE: 1070359.1448,NORTE: 918185.2641) | C12           | 31.000      | 16.928 | 1.19  | (ESTE: 1070359.1448,NORTE: 918185.2641) | Este: 1070362.41,Norte: 918193.31 | (ESTE: 1070361.0324,NORTE: 918201.8758) | 8.68  | 31°17'15"  | +0+759.49 | +0+768.17 | +0+776.42 |        |        |        |
| T13                     | 81.958 | 350° 50' 20.02" | (ESTE: 1070359.1448,NORTE: 918185.2641) | (ESTE: 1070347.9838,NORTE: 918282.7884) | C13           | 33.000      | 8.088  | 0.25  | (ESTE: 1070347.9838,NORTE: 918282.7884) | Este: 1070347.34,Norte: 918286.88 | (ESTE: 1070347.6825,NORTE: 918290.8501) | 4.06  | 14°02'31"  | +0+858.38 | +0+862.44 | +0+866.47 |        |        |        |
| T14                     | 84.769 | 004° 52' 50.78" | (ESTE: 1070347.9838,NORTE: 918282.7884) | (ESTE: 1070354.8949,NORTE: 918375.3113) | C14           | 35.000      | 32.675 | 4.19  | (ESTE: 1070354.8949,NORTE: 918375.3113) | Este: 1070356.40,Norte: 918392.88 | (ESTE: 1070371.4130,NORTE: 918402.1343) | 17.64 | 53°29'22"  | +0+951.23 | +0+968.87 | +0+983.91 |        |        |        |
| T15                     | 12.460 | 058° 22' 13.04" | (ESTE: 1070371.4130,NORTE: 918402.1343) | (ESTE: 1070382.0223,NORTE: 918408.6688) | C15           | 65.000      | 11.696 | 0.26  | (ESTE: 1070382.0223,NORTE: 918408.6688) | Este: 1070387.02,Norte: 918411.74 | (ESTE: 1070391.3772,NORTE: 918415.6633) | 5.86  | 10°18'37"  | +0+996.37 | +1+002.23 | +1+008.07 |        |        |        |
| T16                     | 18.442 | 048° 03' 36.52" | (ESTE: 1070391.3772,NORTE: 918415.6633) | (ESTE: 1070405.0953,NORTE: 918427.9890) | C16           | 380.000     | 24.140 | 0.19  | (ESTE: 1070405.0953,NORTE: 918427.9890) | Este: 1070414.08,Norte: 918436.06 | (ESTE: 1070423.5520,NORTE: 918434.5420) | 12.07 | 3°38'23"   | +1+026.51 | +1+038.58 | +1+050.65 |        |        |        |
| T17                     | 16.641 | 051° 41' 59.79" | (ESTE: 1070405.0953,NORTE: 918427.9890) | (ESTE: 1070436.6112,NORTE: 918453.8556) | C17           | 62.000      | 61.861 | 8.61  | (ESTE: 1070436.6112,NORTE: 918453.8556) | Este: 1070463.12,Norte: 918474.79 | (ESTE: 1070495.0867,NORTE: 918483.8683) | 33.78 | 57°10'02"  | +1+067.29 | +1+101.07 | +1+129.15 |        |        |        |
| T18                     | 56.465 | 108° 52' 01.35" | (ESTE: 1070495.0867,NORTE: 918483.8683) | (ESTE: 1070548.5183,NORTE: 918445.6089) | C18           | 42.000      | 9.665  | 0.28  | (ESTE: 1070548.5183,NORTE: 918445.6089) | Este: 1070553.11,Norte: 918444.04 | (ESTE: 1070557.9420,NORTE: 918443.5587) | 4.85  | 13°11'08"  | +1+185.61 | +1+190.47 | +1+195.28 |        |        |        |
| T19                     | 20.596 | 095° 40' 53.48" | (ESTE: 1070557.9420,NORTE: 918443.5587) | (ESTE: 1070578.4365,NORTE: 918441.5197) | C19           | 34.000      | 21.333 | 1.74  | (ESTE: 1070578.4365,NORTE: 918441.5197) | Este: 1070589.41,Norte: 918440.43 | (ESTE: 1070598.9402,NORTE: 918445.9878) | 11.03 | 35°56'59"  | +1+215.88 | +1+226.91 | +1+237.21 |        |        |        |
| T20                     | 3.943  | 059° 43' 54.23" | (ESTE: 1070598.9402,NORTE: 918445.9878) | (ESTE: 1070602.3452,NORTE: 918447.9750) | C20           | 16.000      | 17.157 | 2.61  | (ESTE: 1070602.3452,NORTE: 918447.9750) | Este: 1070610.56,Norte: 918452.77 | (ESTE: 1070610.2733,NORTE: 918462.2703) | 9.51  | 61°26'19"  | +1+241.15 | +1+250.66 | +1+258.31 |        |        |        |
| T21                     | 7.998  | 358° 17' 35.52" | (ESTE: 1070610.2733,NORTE: 918462.2703) | (ESTE: 1070610.0351,NORTE: 918470.2643) |               |             |        |       |   |                                   |   |       |            |           |           |           |        |        |        |

| GEOREFERENCIACION PAVIMENTO PROYECTADO |           |            |                              |
|--|-----------|------------|------------------------------|
| ABSCISA                                | NORTE     | ESTE       |                              |
| K0+000                                 | 917601.72 | 1070381.69 | INICIO PAVIMENTO PROYECTADO  |
| K1+253.97                              | 918457.96 | 1070609.81 | TERMINA PAVIMENTO PROYECTADO |

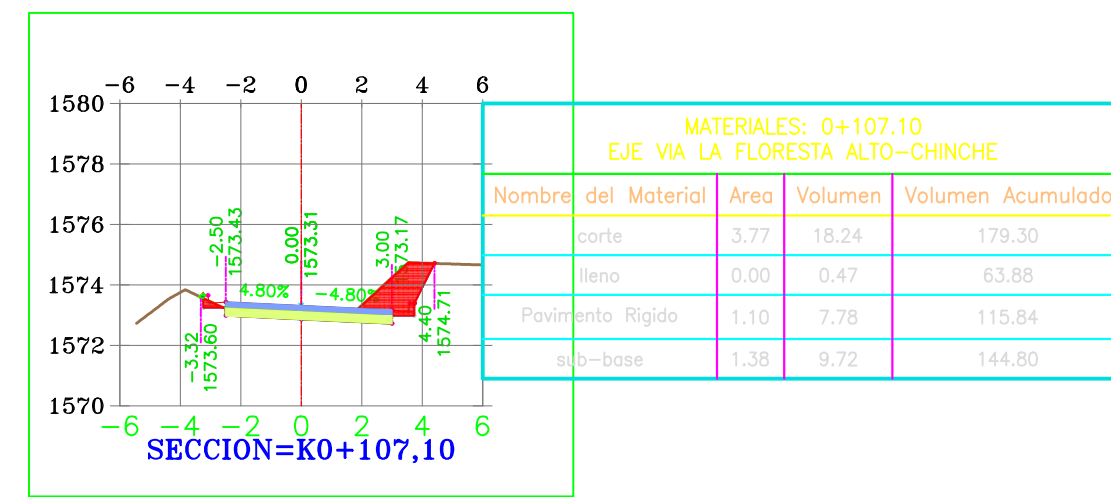
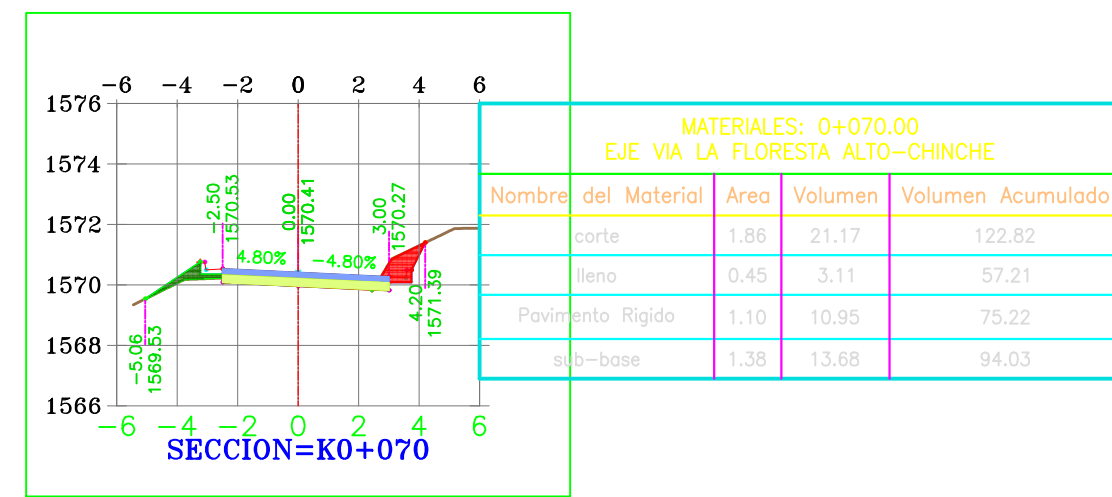
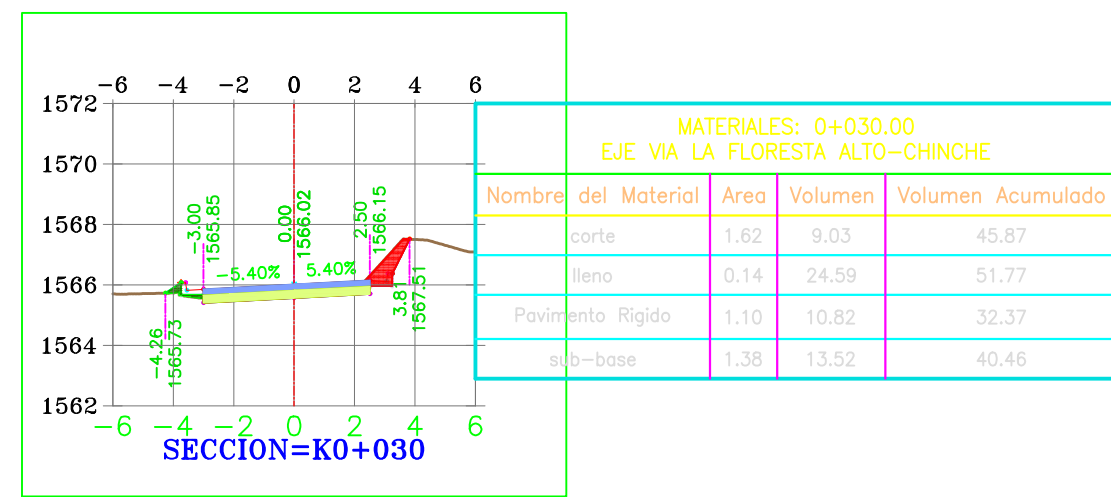
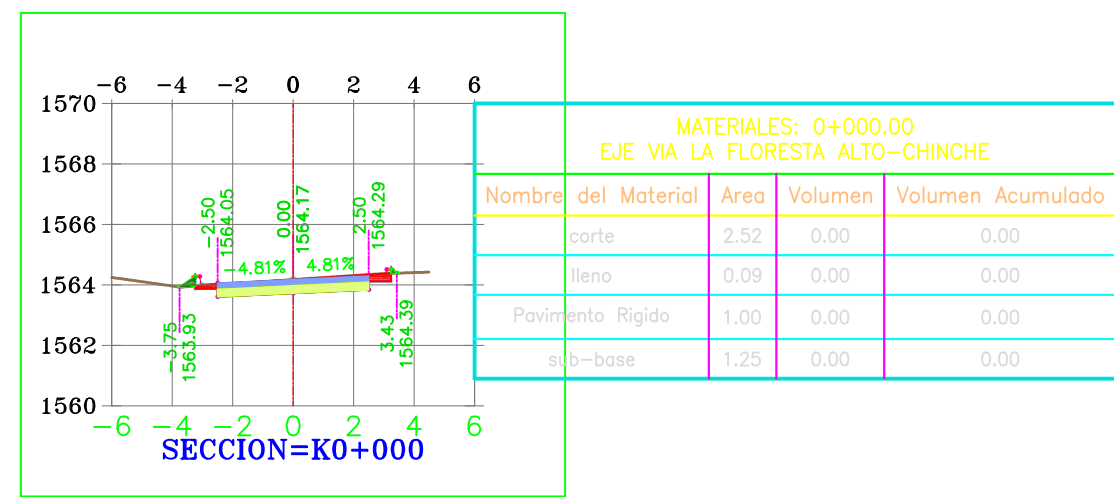
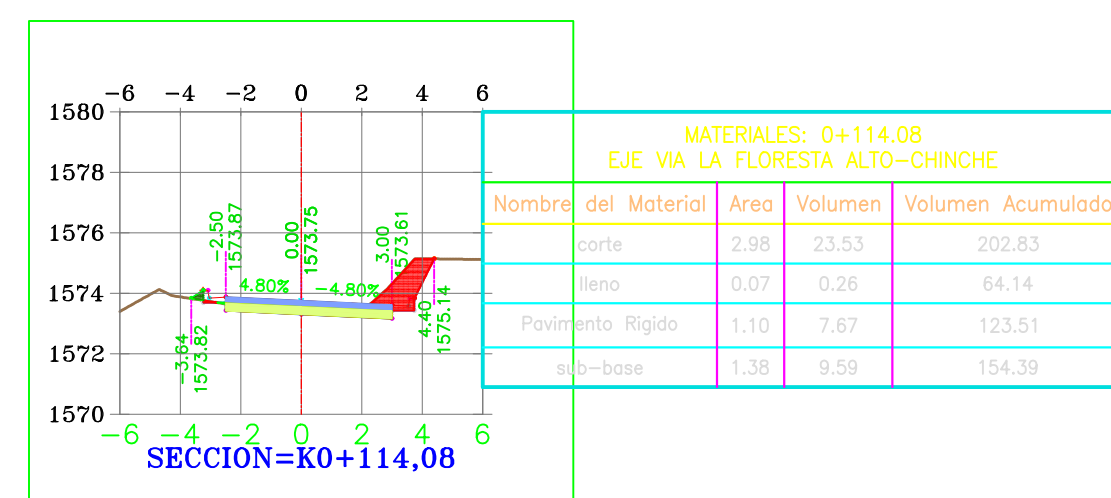
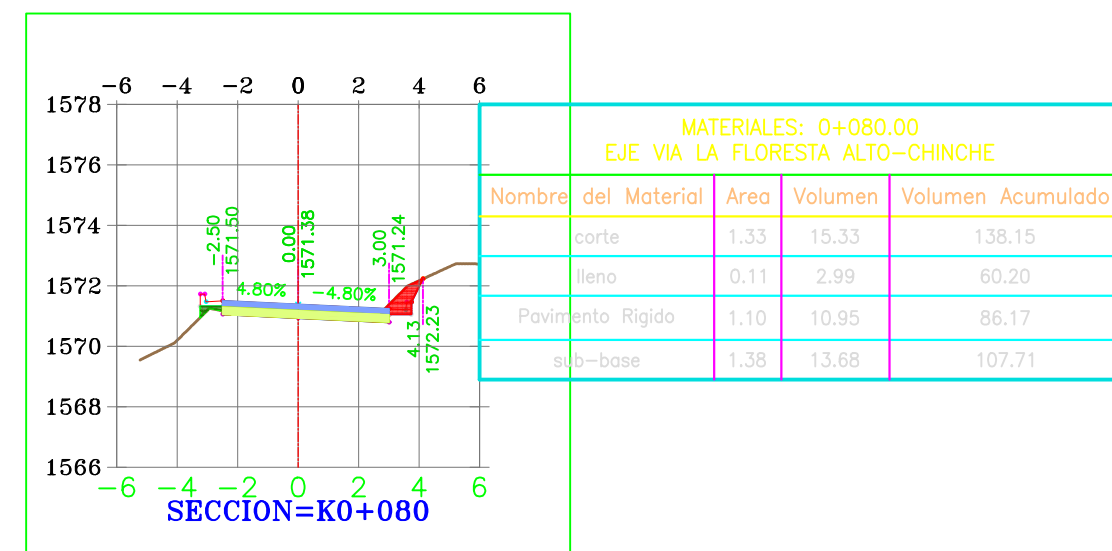
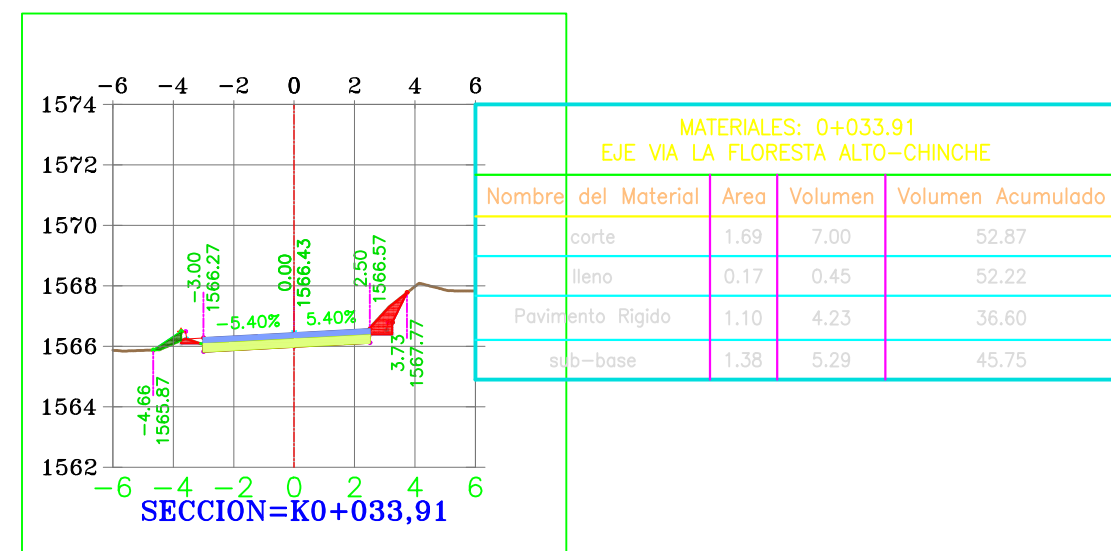
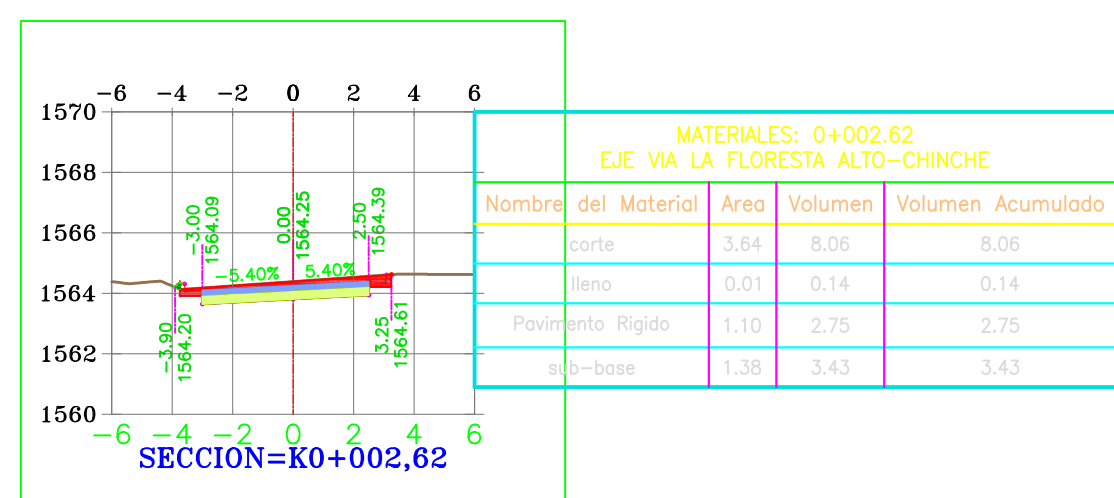
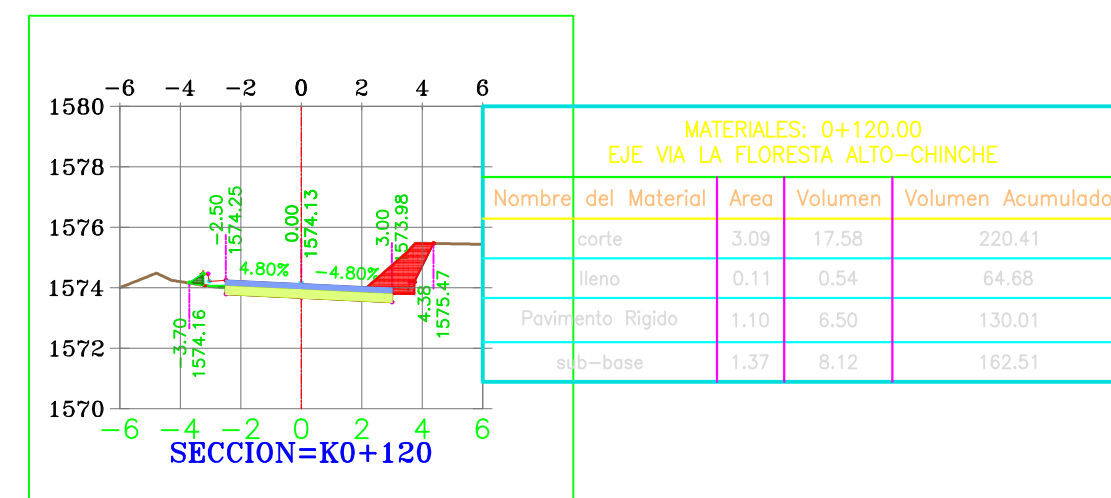
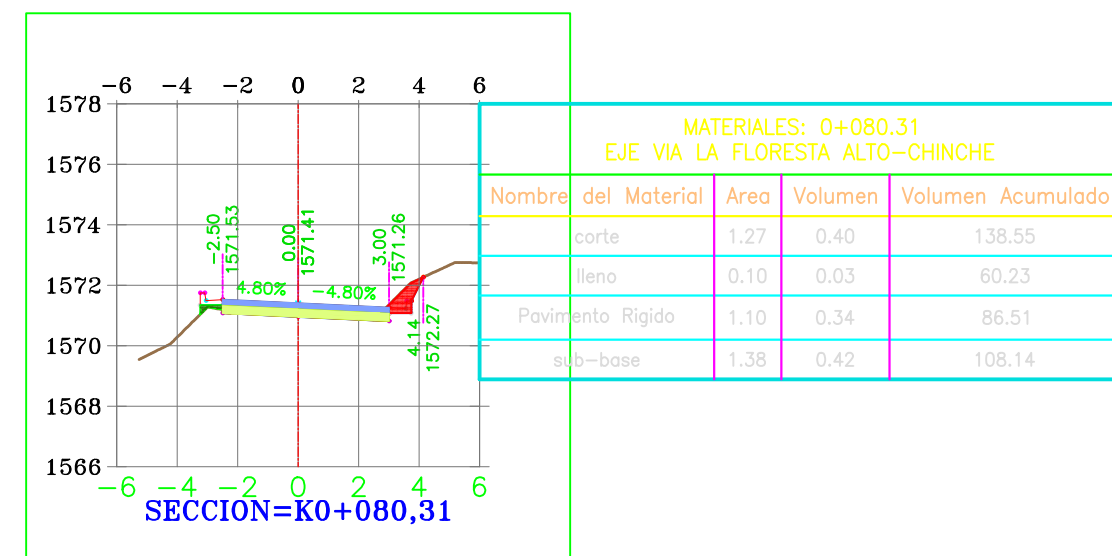
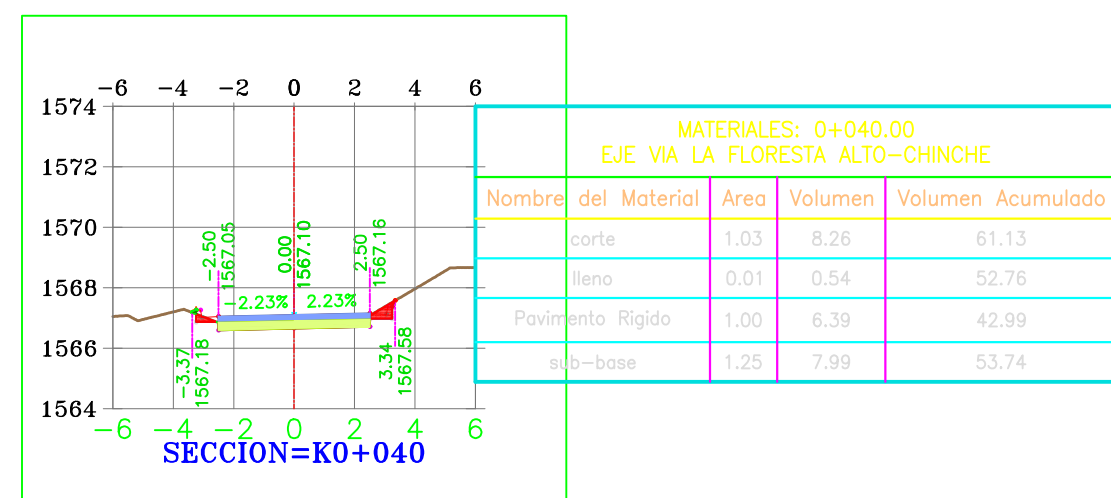
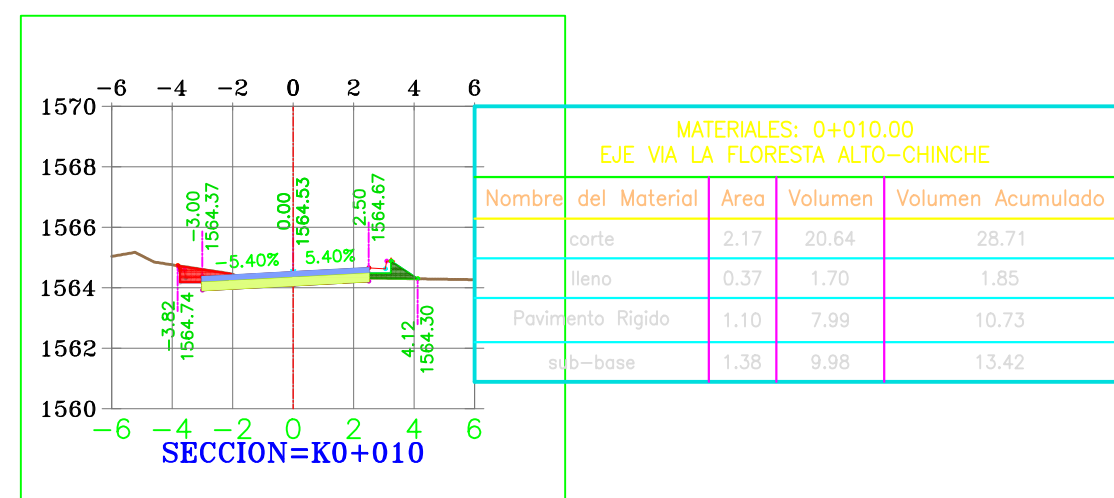
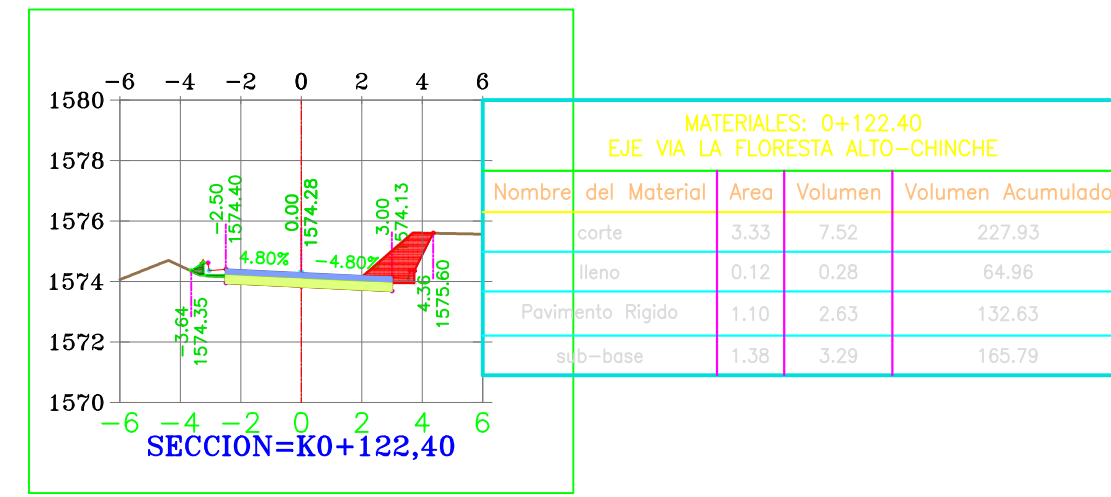
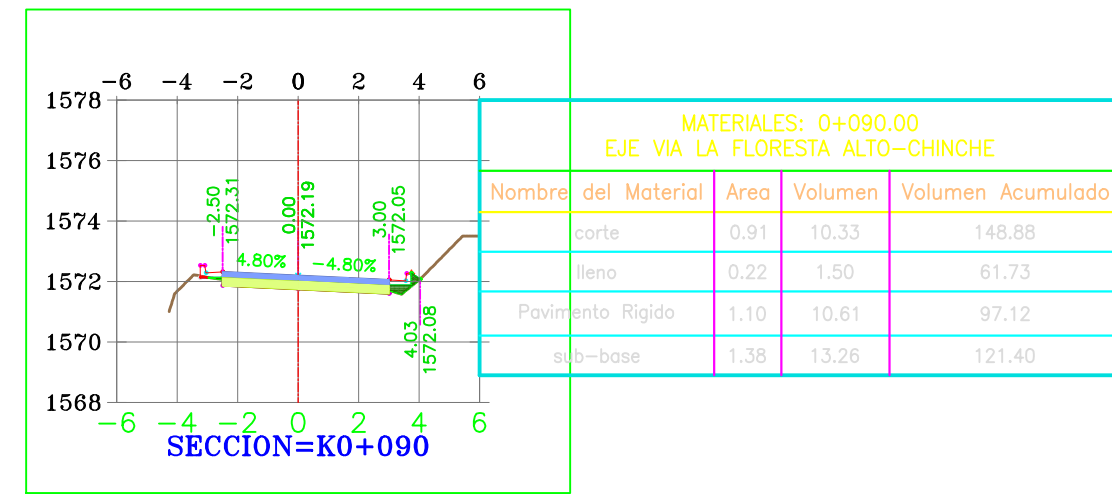
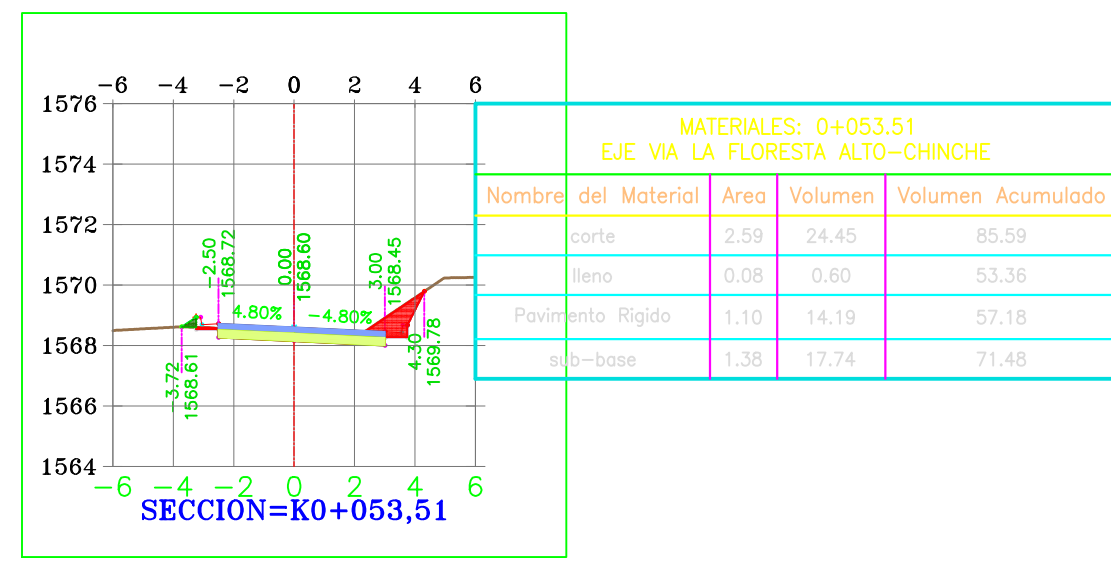
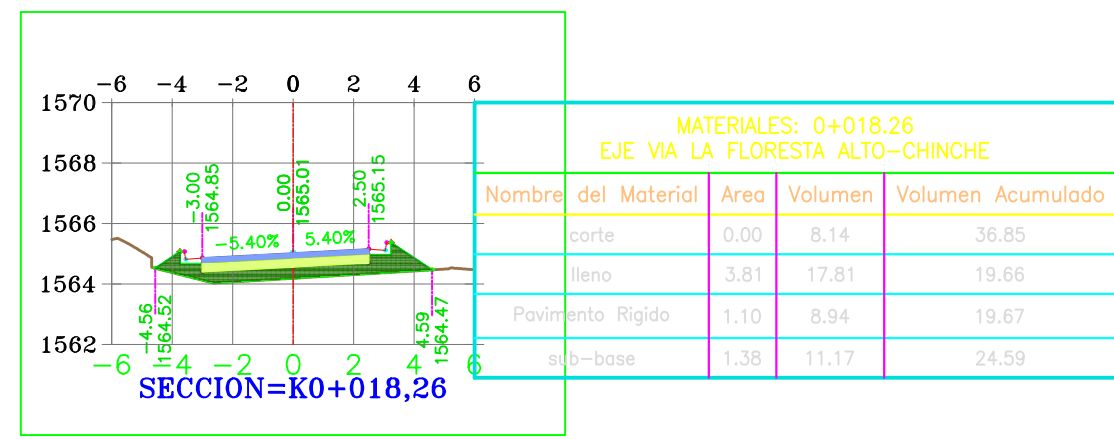
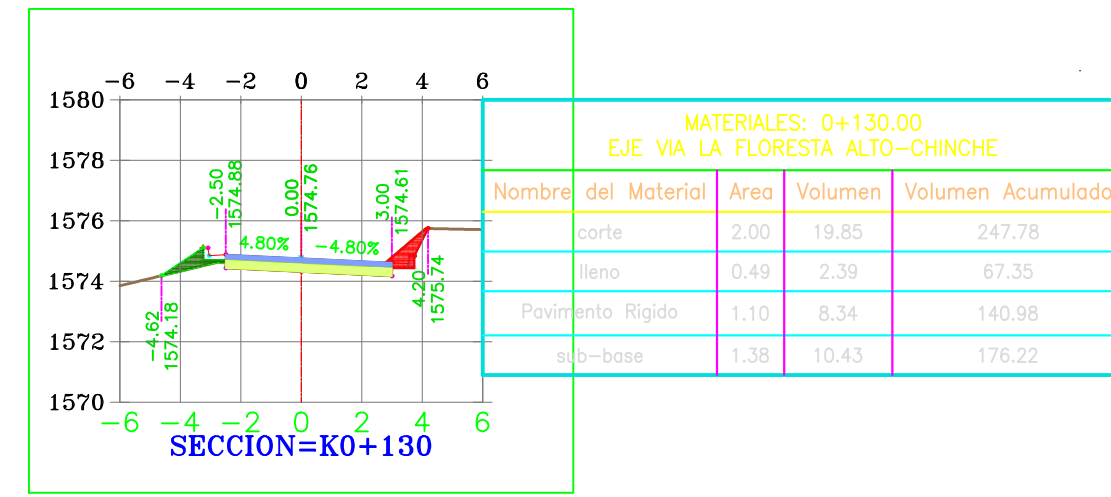
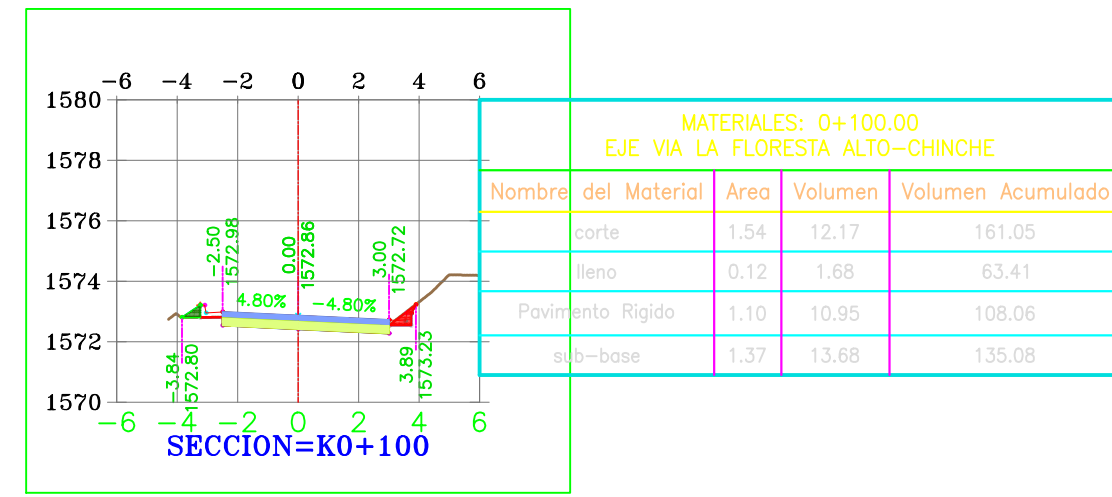
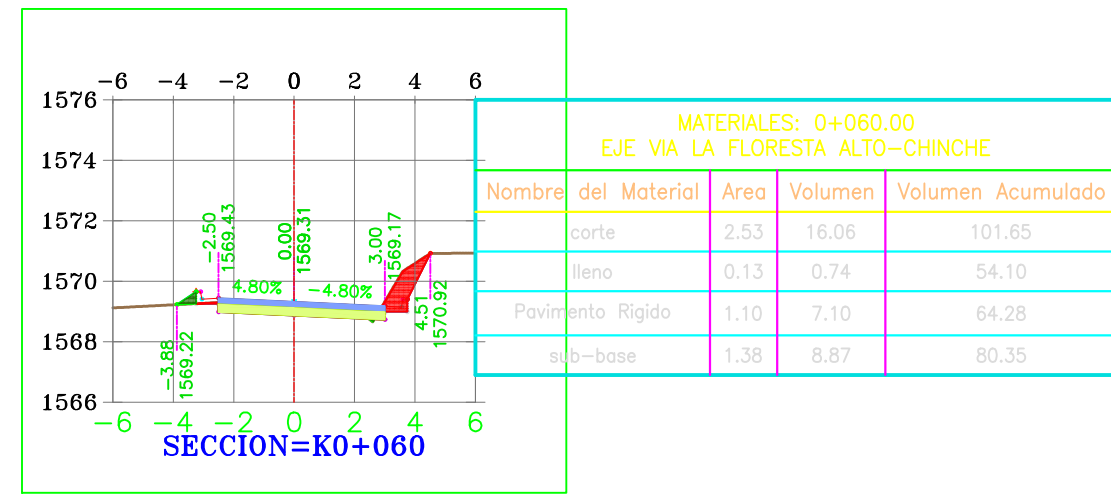
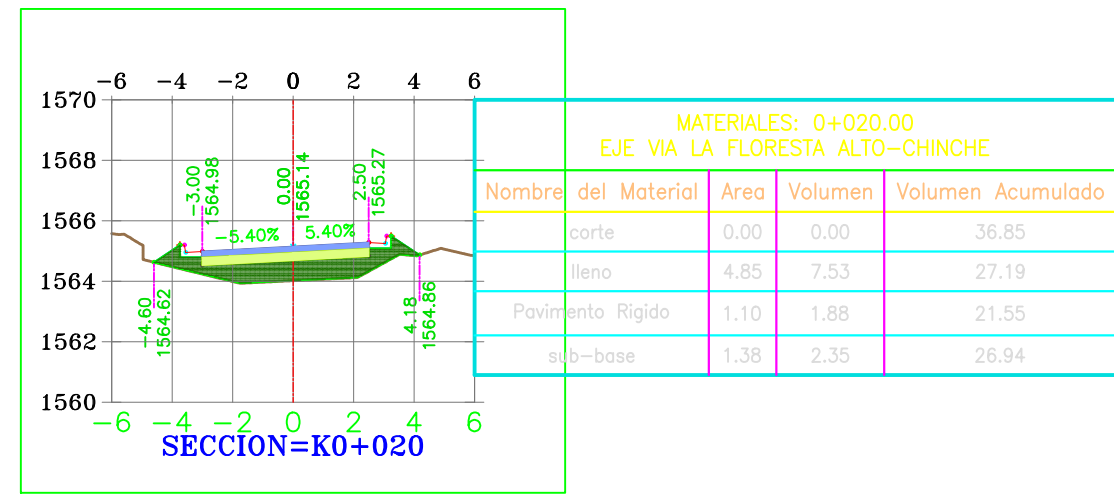
NOTA:  
SE APLICA UN SOBREAÑOCHO INTERNO DE 0.50m EN LA CURVAS HORIZONTALES CON UNA TRANSICION L=5.0m



NOTA:  
LA RASANTE SE DISEÑA 0.20m POR ENCIMA DEL TERRENO NATURAL PERFILADO, PARA EXCAVAR 0.25 DE SUB BASE.

| TRAMO 3       |     | COORDENADAS |   |
|---------------|-----|-------------|---|
| ALCANTARILLAS |     | NORTE       | ESTE  |
| 1             | 36" | +0+200      | NUEVA A CONSTRUIR 917756.063 1070292.6      |
| 2             | 36" | +0+402.54   | EXISTENTE A CONSTRUIR 9179918.99 1070178.28 |
| 3             | 36" | +0+667.88   | EXISTENTE A CONSTRUIR 918144.27 1070289.76  |
| 4             | 36" | +0+788.06   | EXISTENTE A CONSTRUIR 918213.41 1070359     |
| 5             | 36" | +0+970      | NUEVA A CONSTRUIR 918392.7 1070361.31       |
| 6             | 36" | +1+110      | NUEVA A CONSTRUIR 918467.187 1070476.31     |
| 7             | 36" | +1+253.97   | NUEVA A CONSTRUIR 918457.966 1070609.82     |

| CONVENCIONES EN PLANTA |                               |
|------------------------|-------------------------------|
|                        | EJE DE VIA PROYECTADO         |
|                        | BORDE VIA PROYECTADO A 2.5m   |
|                        | SOBREAÑOCHO PROYECTADO        |
|                        | BORDE VIA EXISTENTE           |
|                        | POSTE EXISTENTE               |
|                        | TANGENTE                      |
|                        | CURVA                         |
|                        | PRINCIPIO DE CURVA HORIZONTAL |
|                        | TERMINA DE CURVA HORIZONTAL   |
|                        | CALZADA 5.0m                  |
|                        | SOBREAÑOCHO 0.5m              |
|                        | CUNETAS 0.5m                  |



PROYECTO:  
MEJORAMIENTO VIA TERCIARIA QUE CONDUCE DE LA MEJORANA AL ALTO EL CHINCHE Y CORDOBITAS DEL CGTO DEL DORADO MCPIO DE YOTOCO VALLE DEL CAUCA

CONTIENE:  
**DISEÑO GEOMETRICO SECCIONES K0+00 A K0+130 TRAMO 3**

LOCALIZACIÓN:  
CORREGIMIENTO EL DORADO MUNICIPIO DE YOTOCO VALLE DEL CAUCA

LEVANTO:  
*Jose Ramiro Penilla*  
**JOSE RAMIRO PENILLA TOPOGRAFO**

PROCESO:  
*Fernando Cordoba*  
**FERNANDO CORDOBA INGENIERO CIVIL**

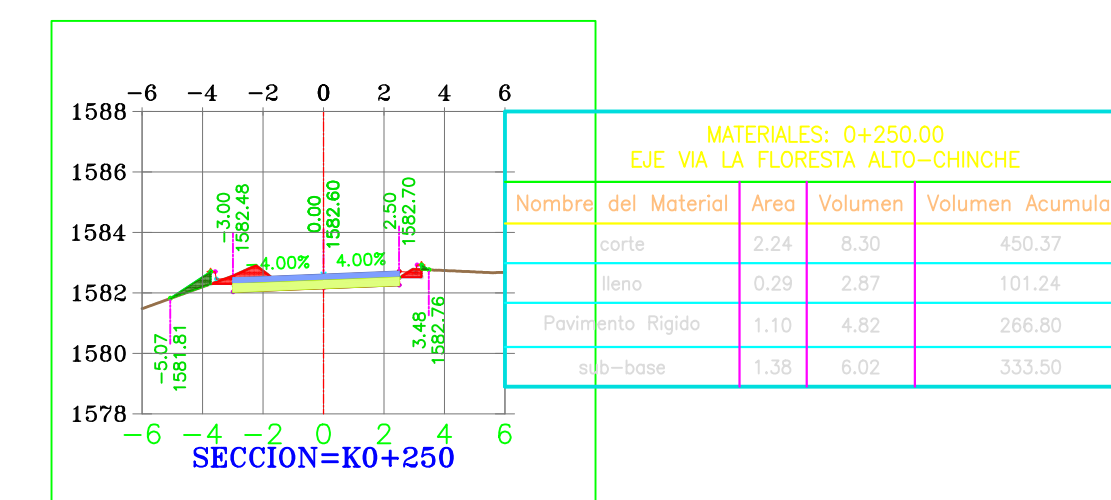
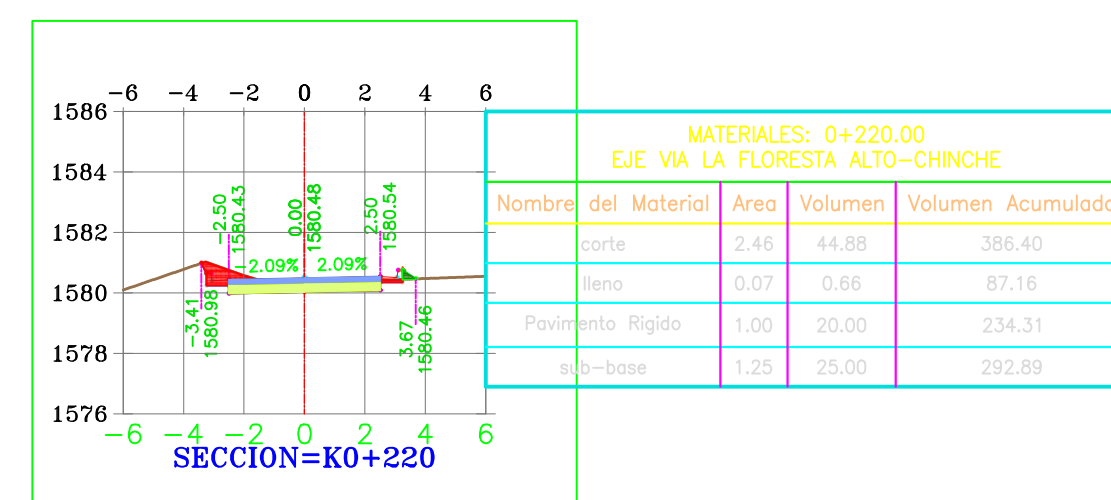
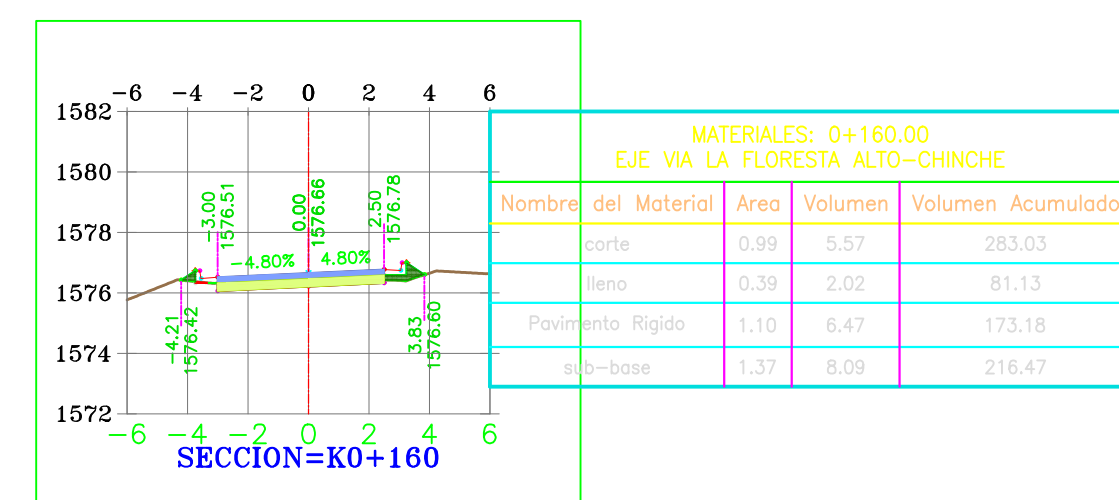
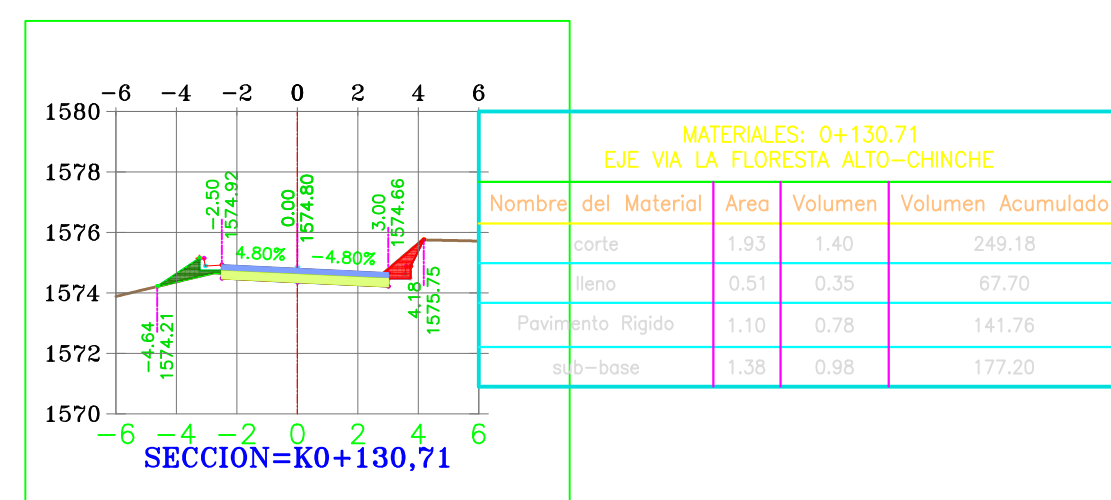
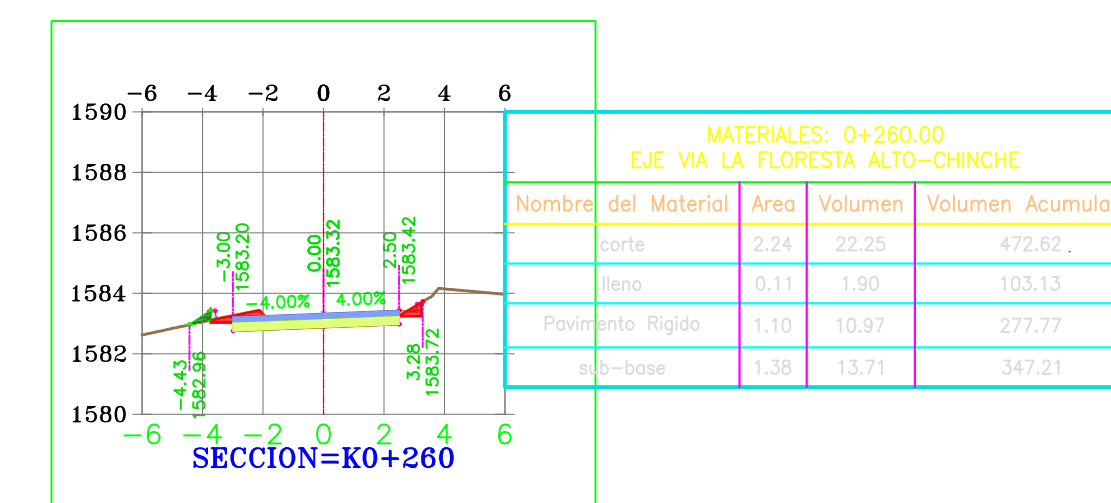
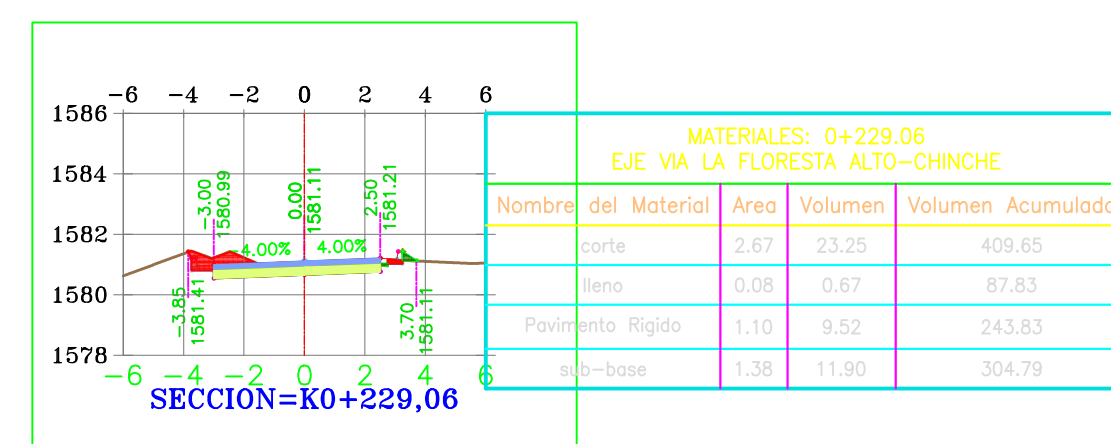
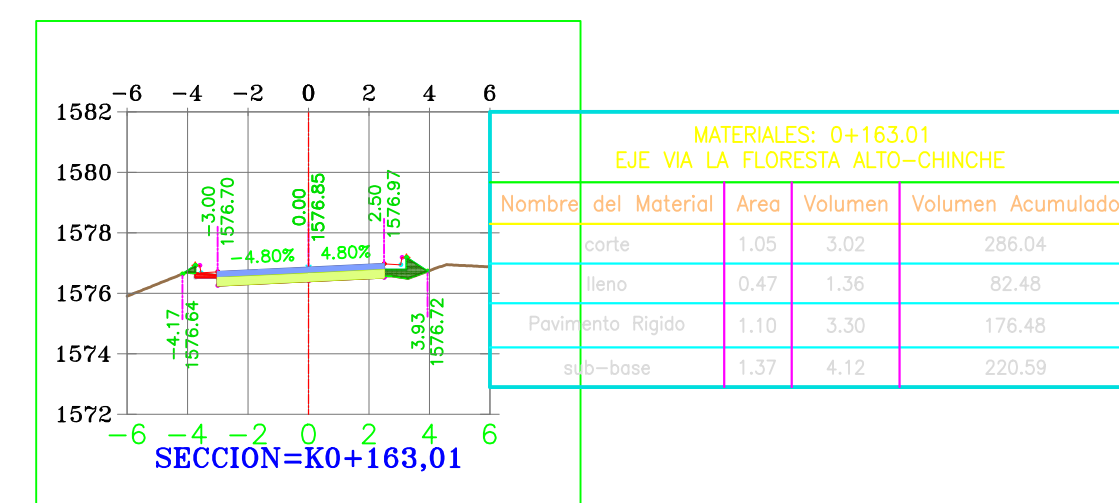
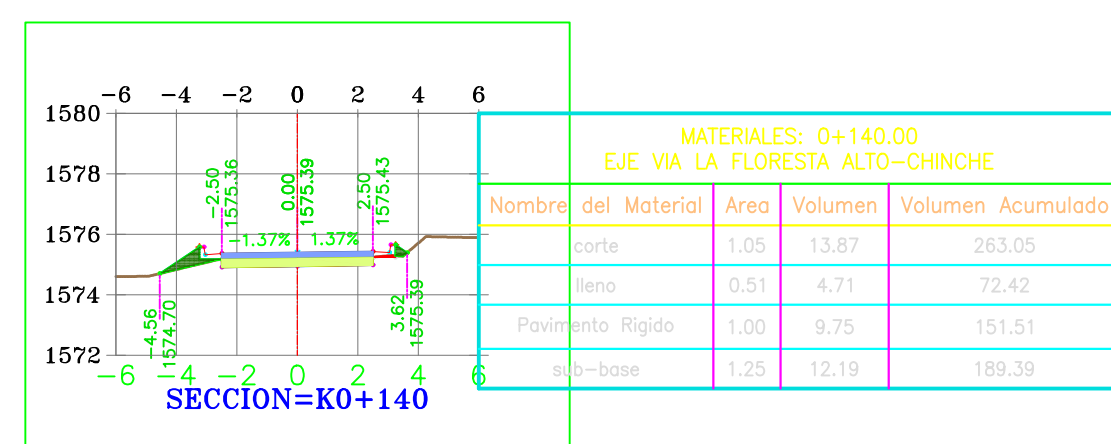
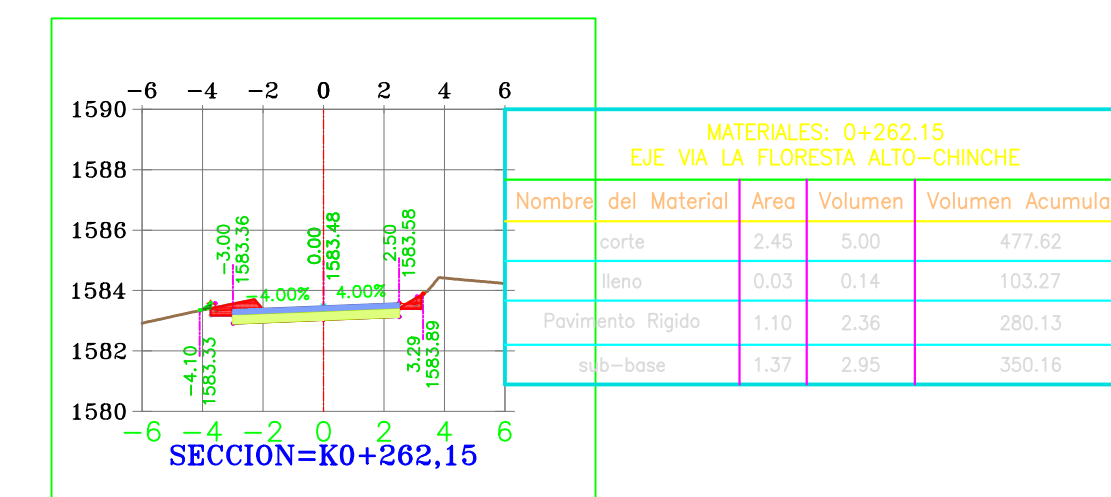
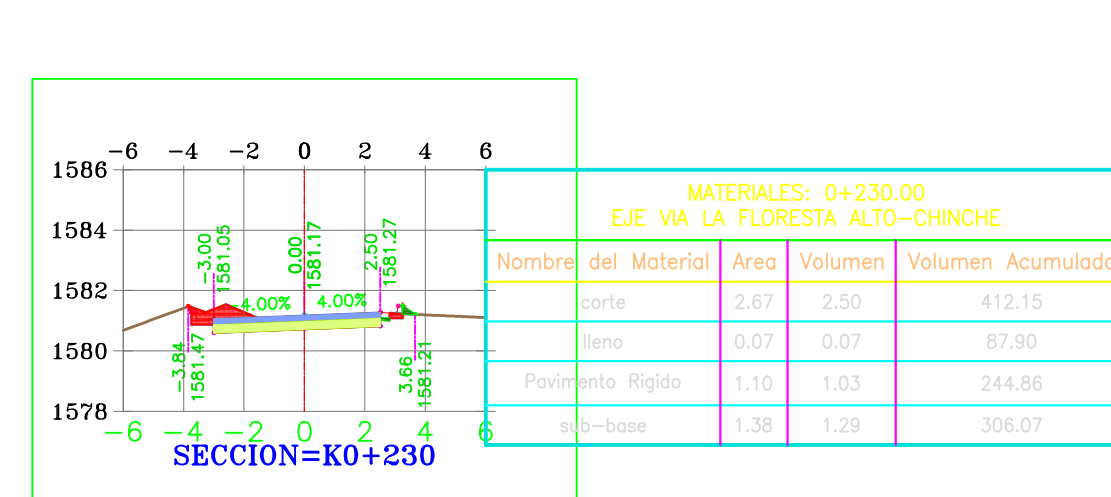
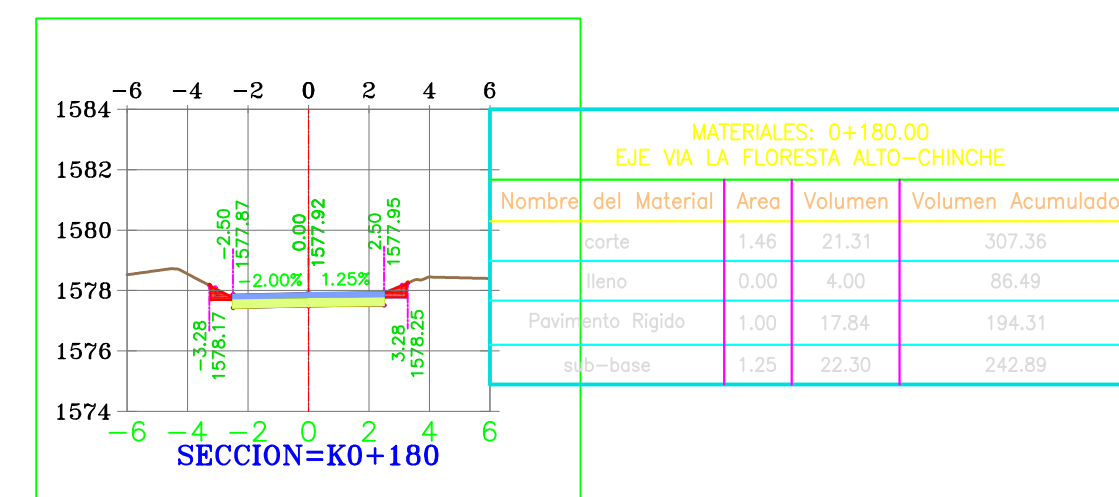
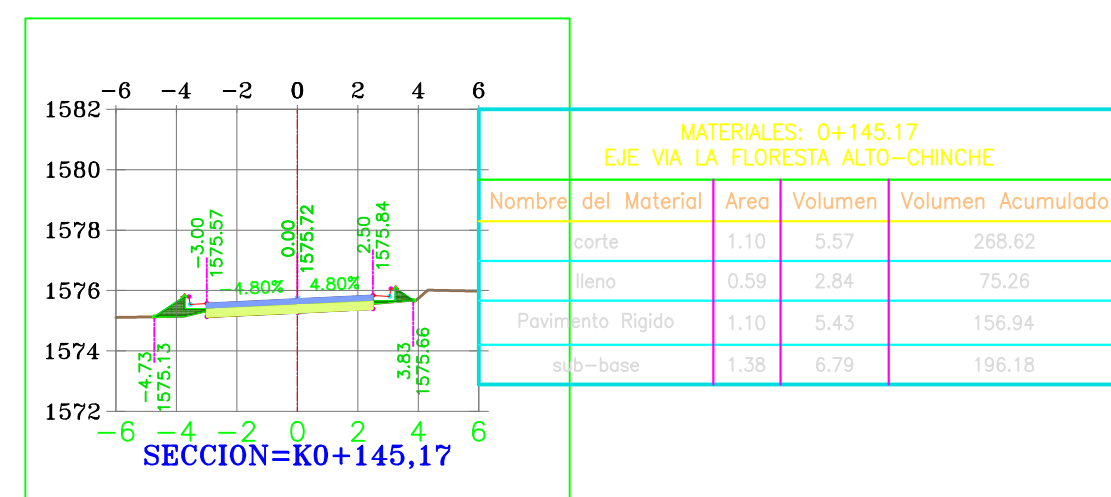
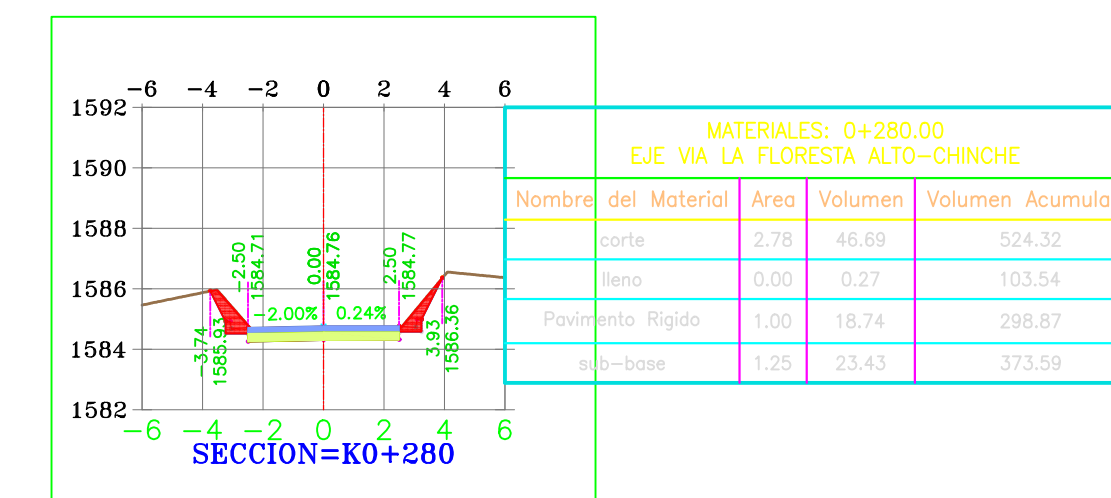
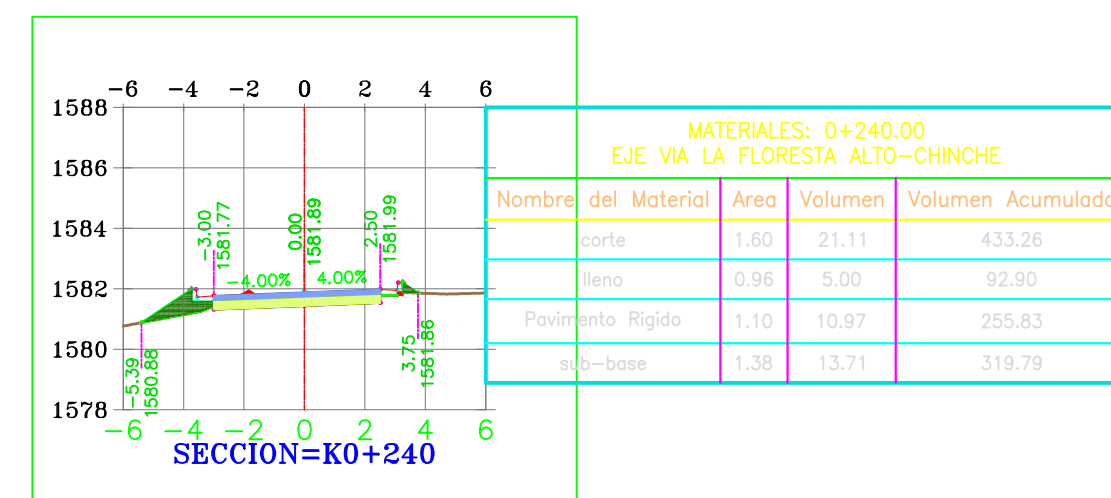
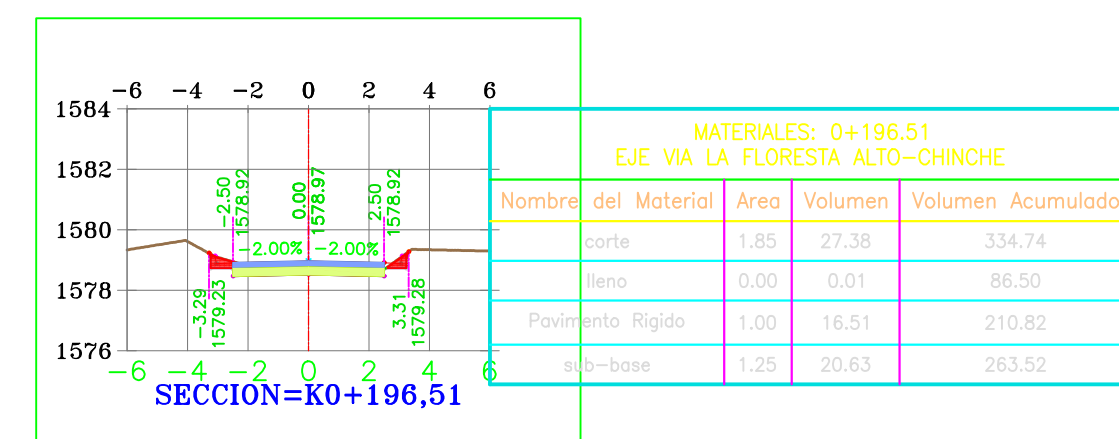
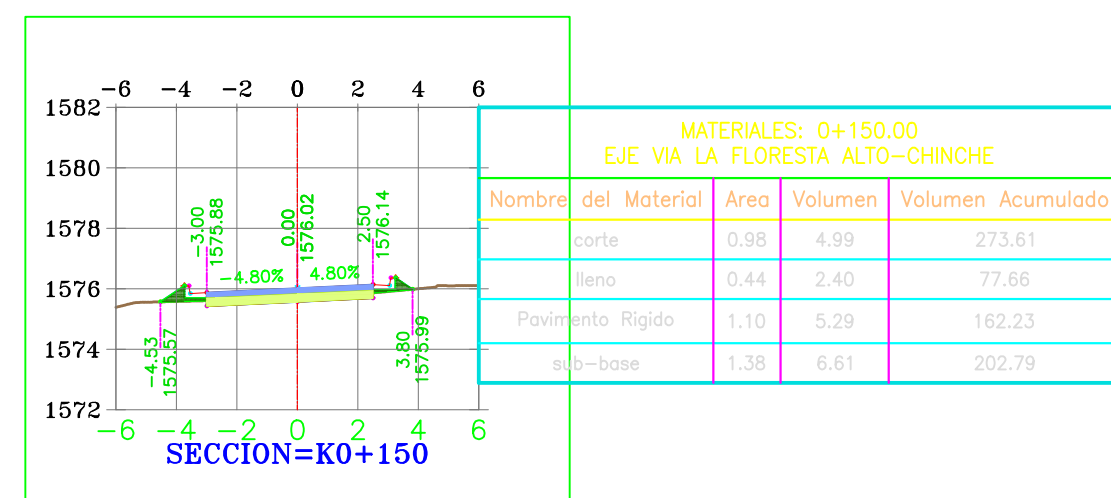
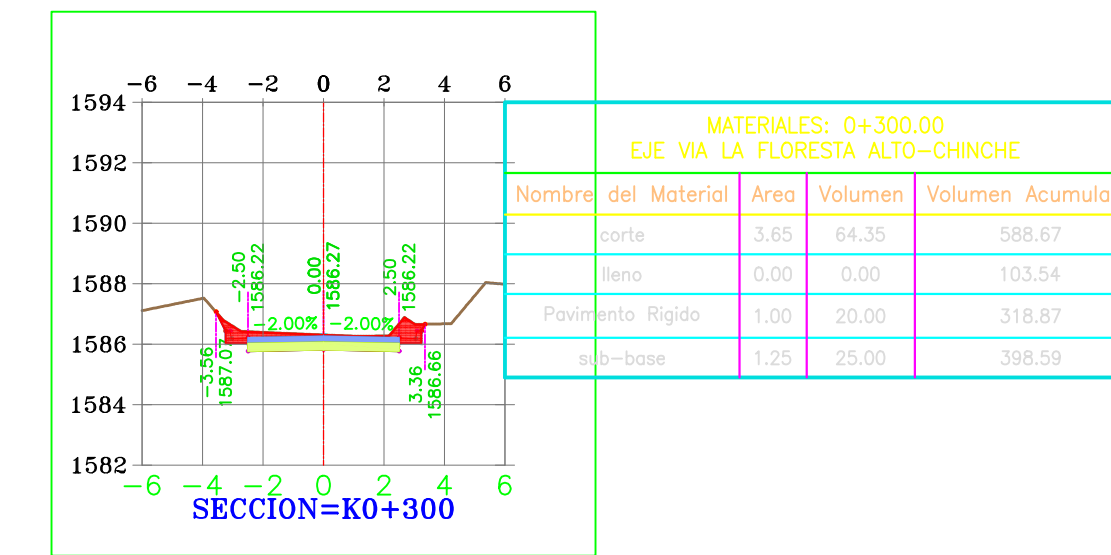
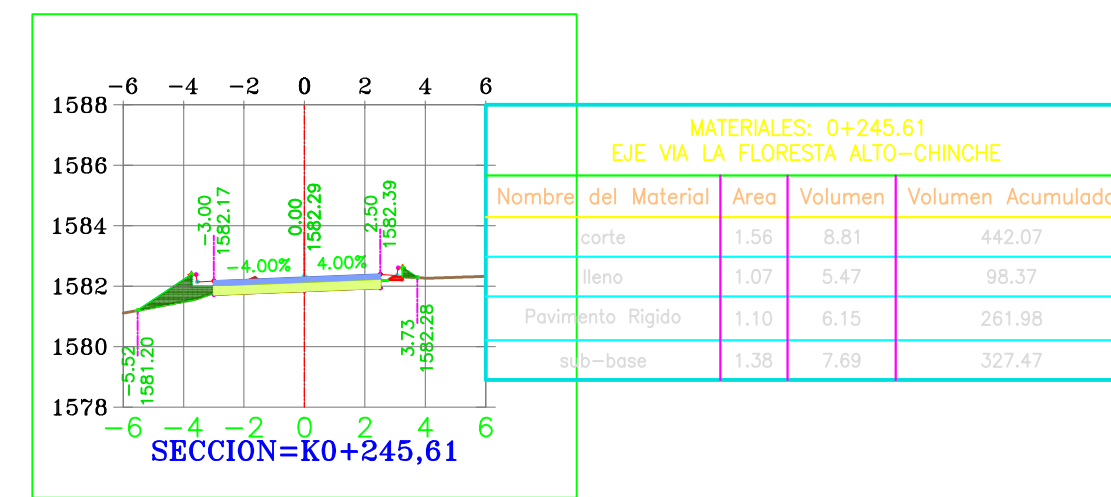
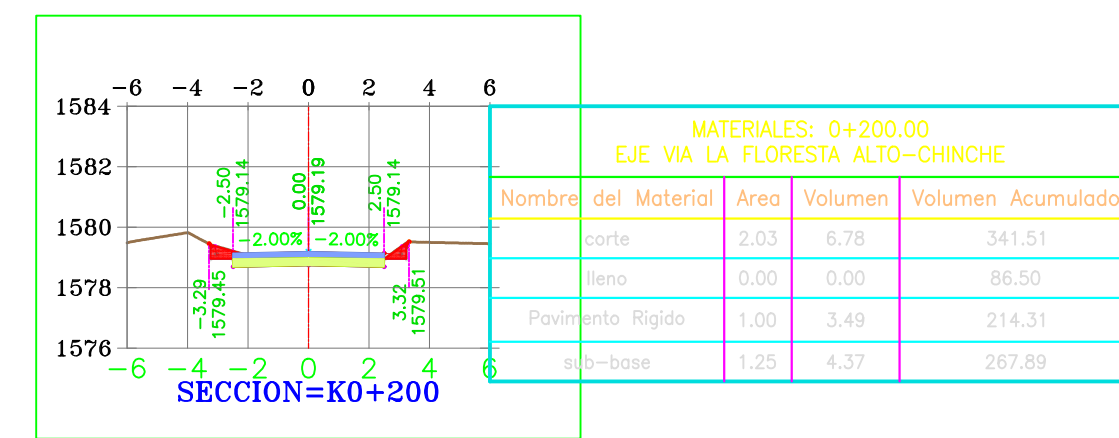
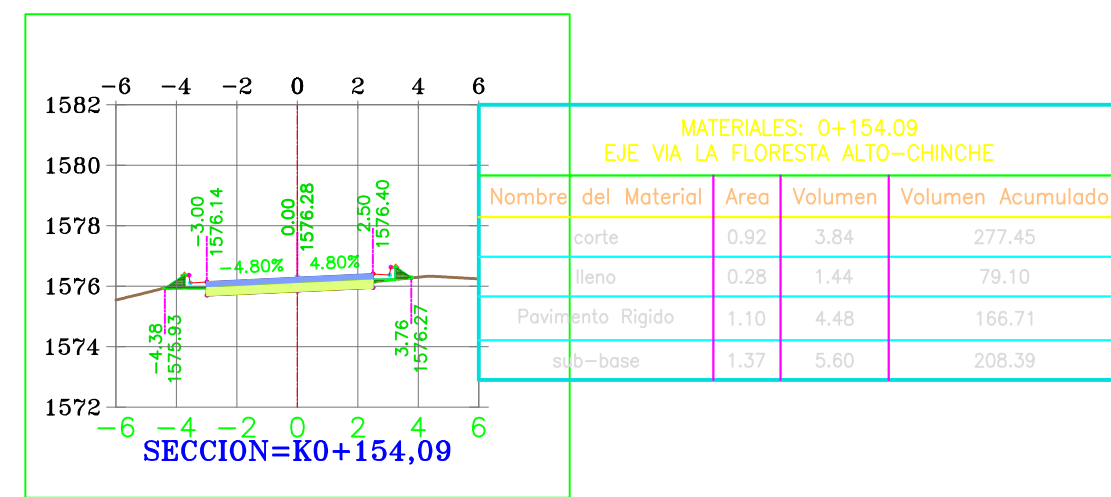
DIBUJO:  
**CONGRESUELOS**

OBSERVACIONES:

FECHA:  
**SEPTIEMBRE 2018**

ESCALA:  
**H1:250 V1:250**

PLANO:  
**4 / 12**



PROYECTO:  
MEJORAMIENTO VIA TERCIARIA QUE  
CONDUCE DE LA MEJORANA AL  
ALTO EL CHINCHE Y CORDOBITAS  
DEL CGTO DEL DORADO MCPIO DE  
YOTOCO VALLE DEL CAUCA

CONTIENE:  
**DISEÑO GEOMETRICO  
SECCIONES  
K0+130.71 A K0+300  
TRAMO 3**

LOCALIZACIÓN:  
**CORREGIMIENTO EL DORADO  
MUNICIPIO DE YOTOCO  
VALLE DEL CAUCA**

LEVANTO:  
*Jose Ramiro Penilla*  
**JOSE RAMIRO PENILLA  
TOPOGRAFO**

PROCESO:  
*Fernando Cordoba*  
**FERNANDO CORDOBA  
INGENIERO CIVIL**

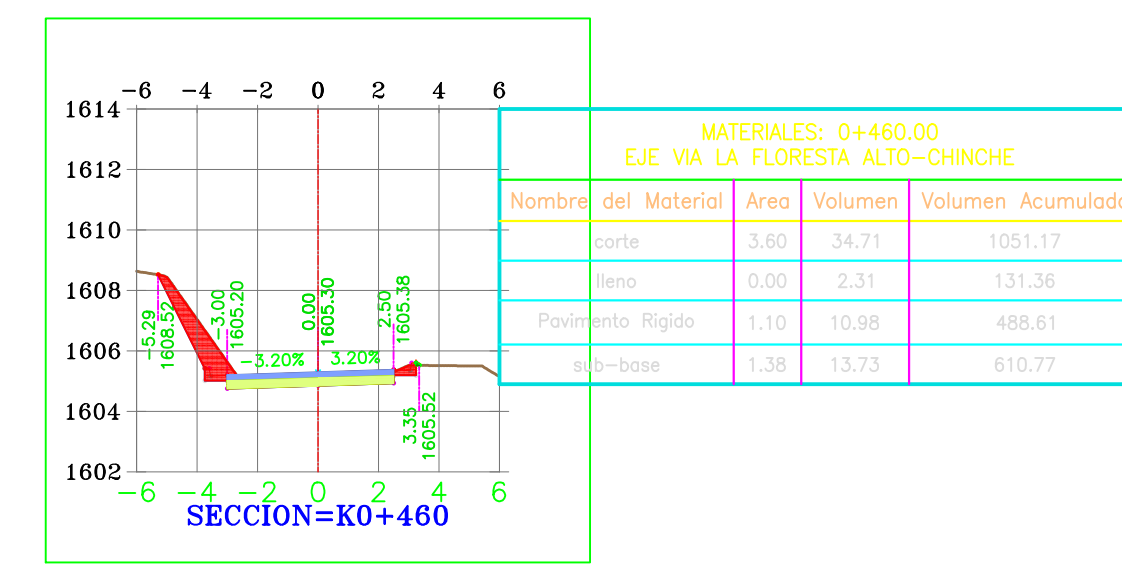
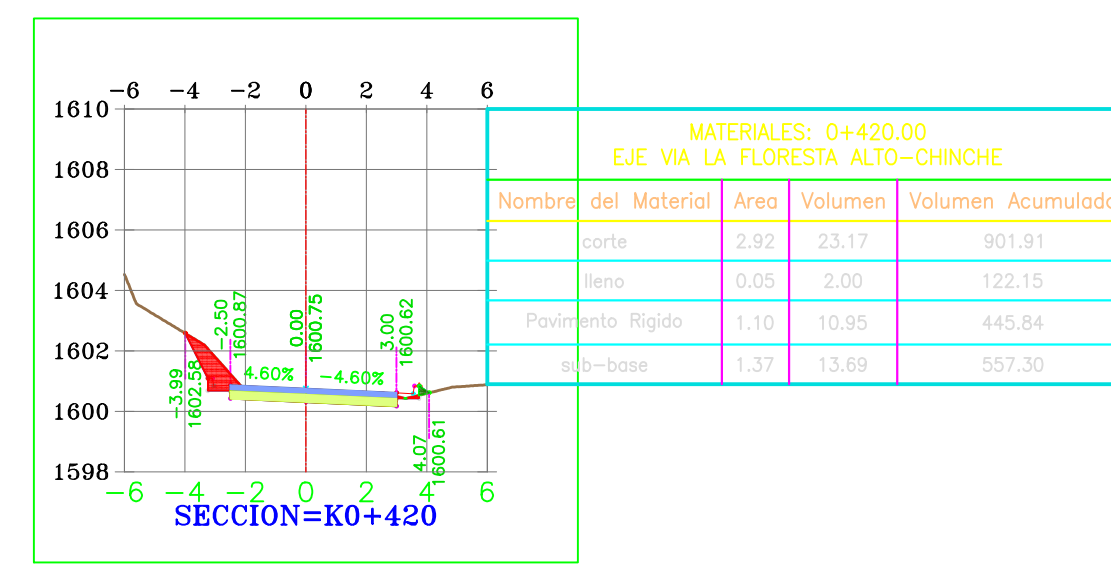
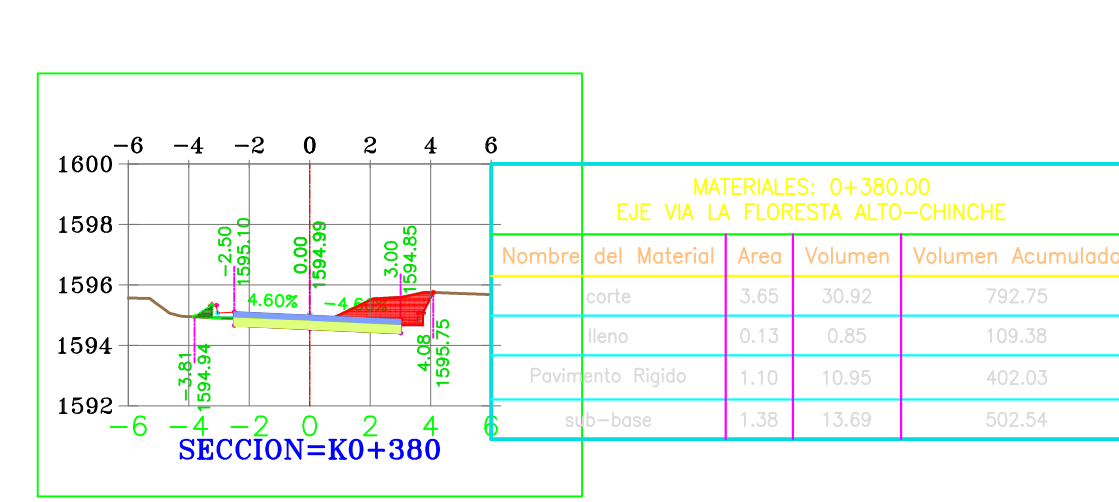
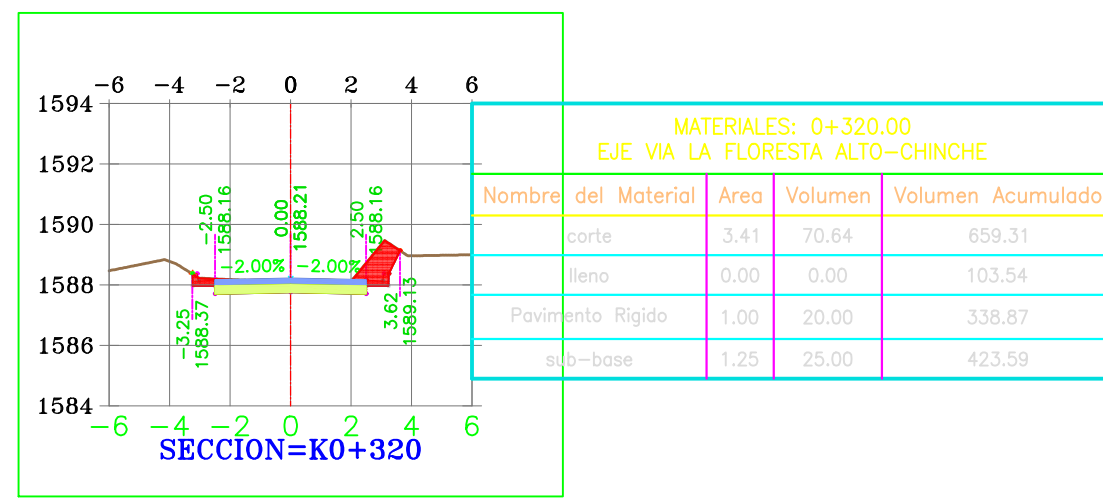
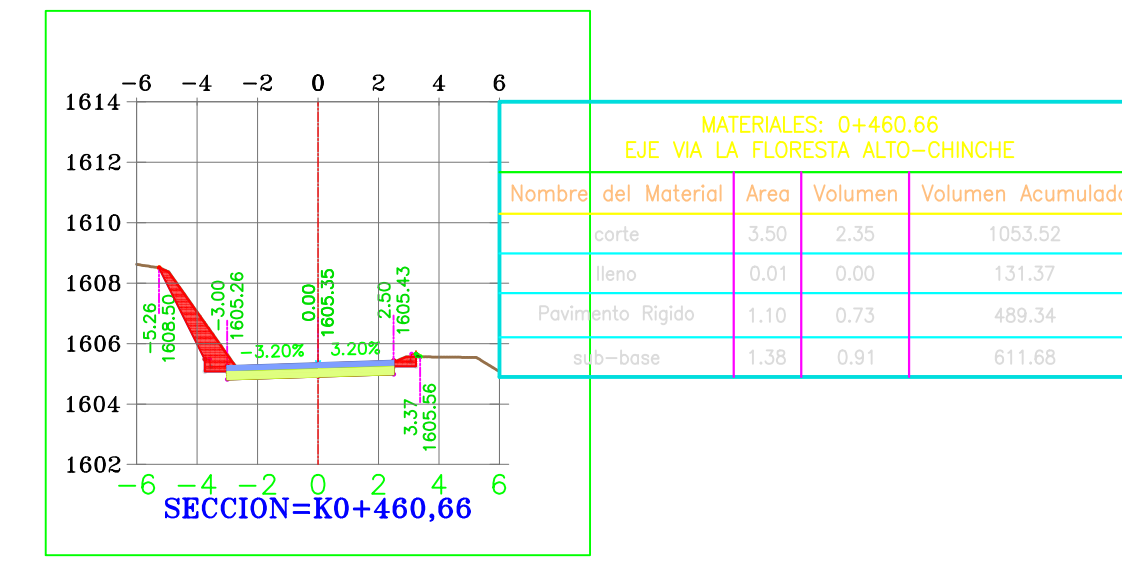
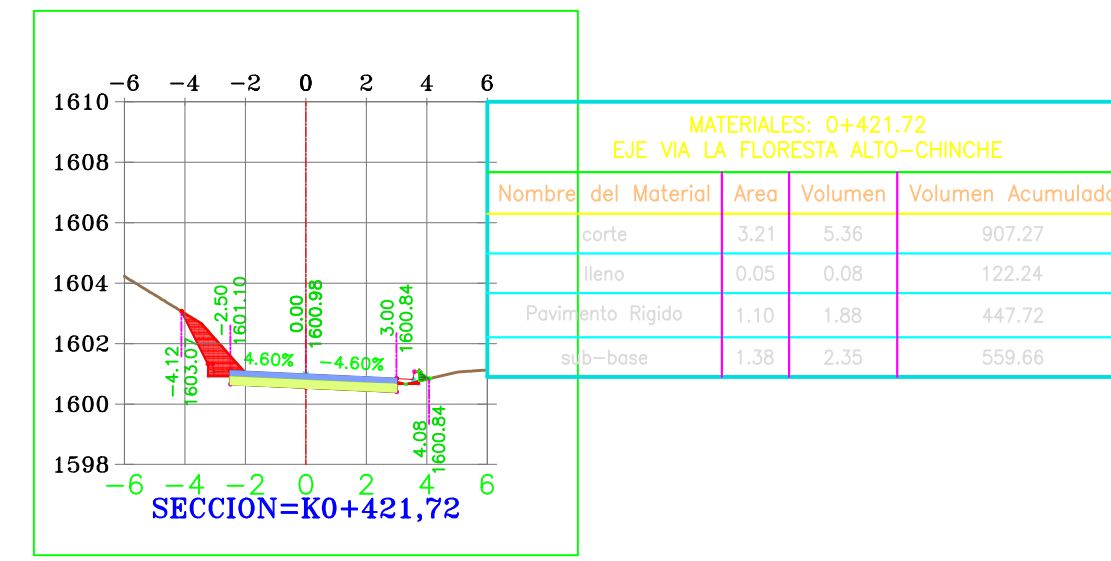
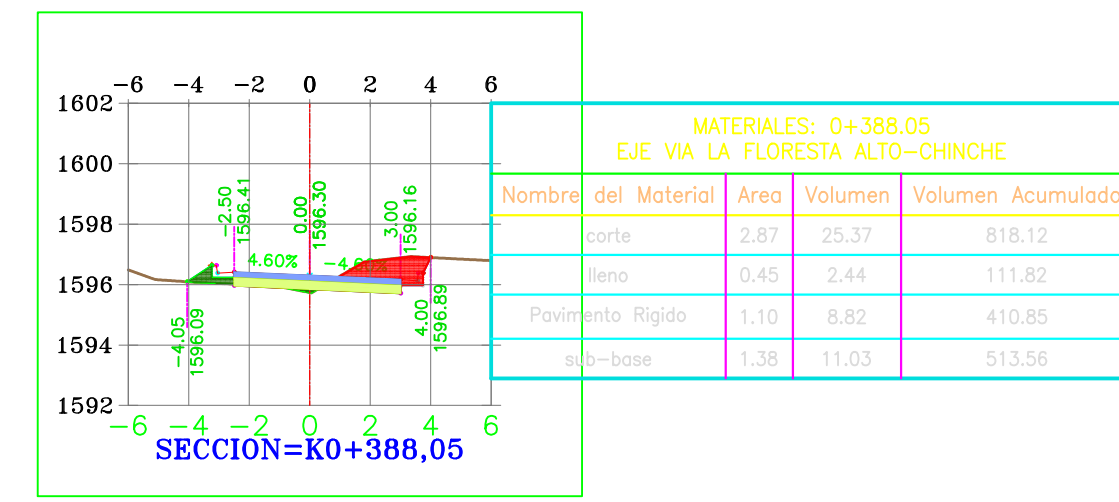
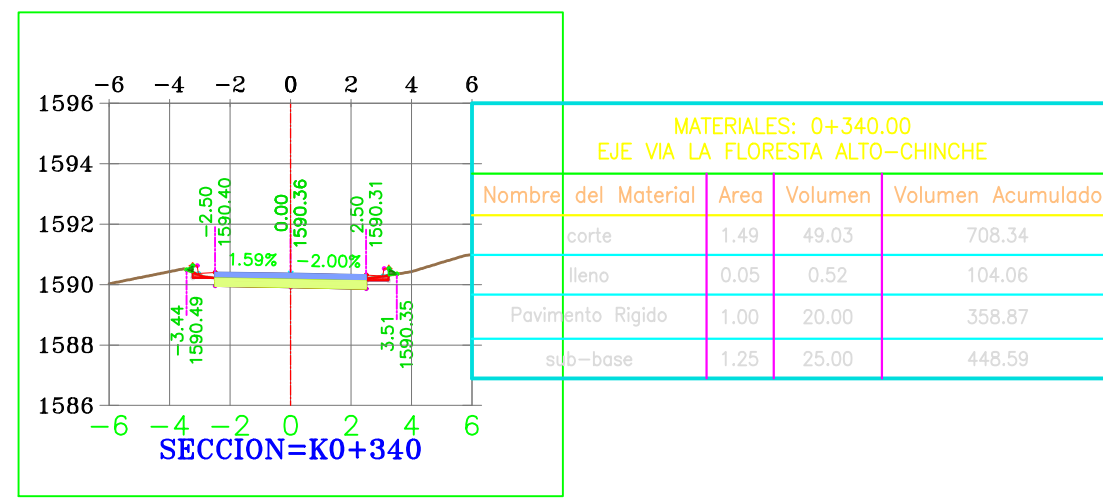
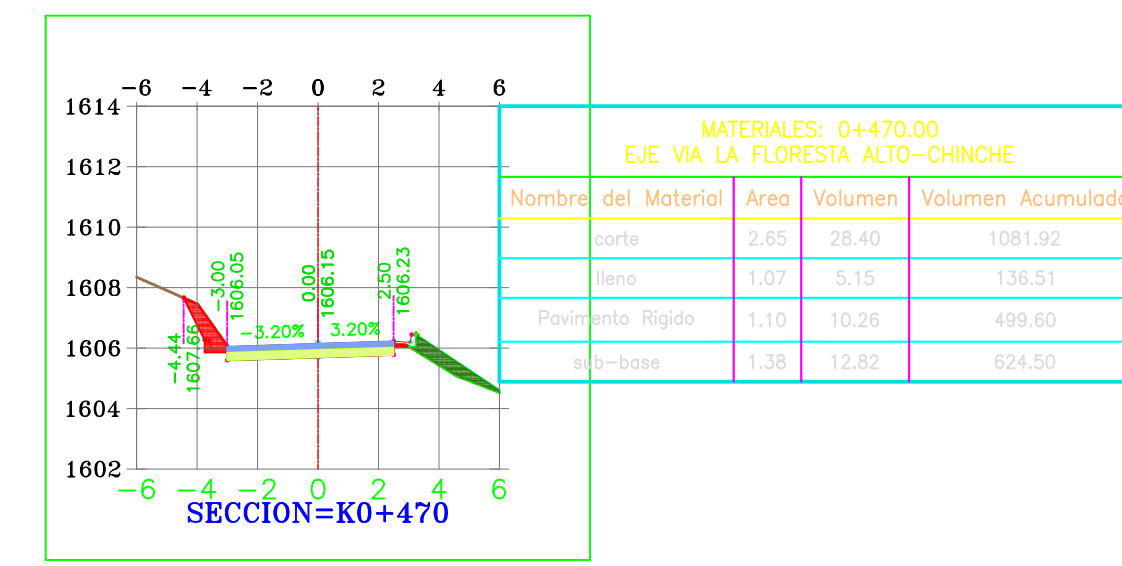
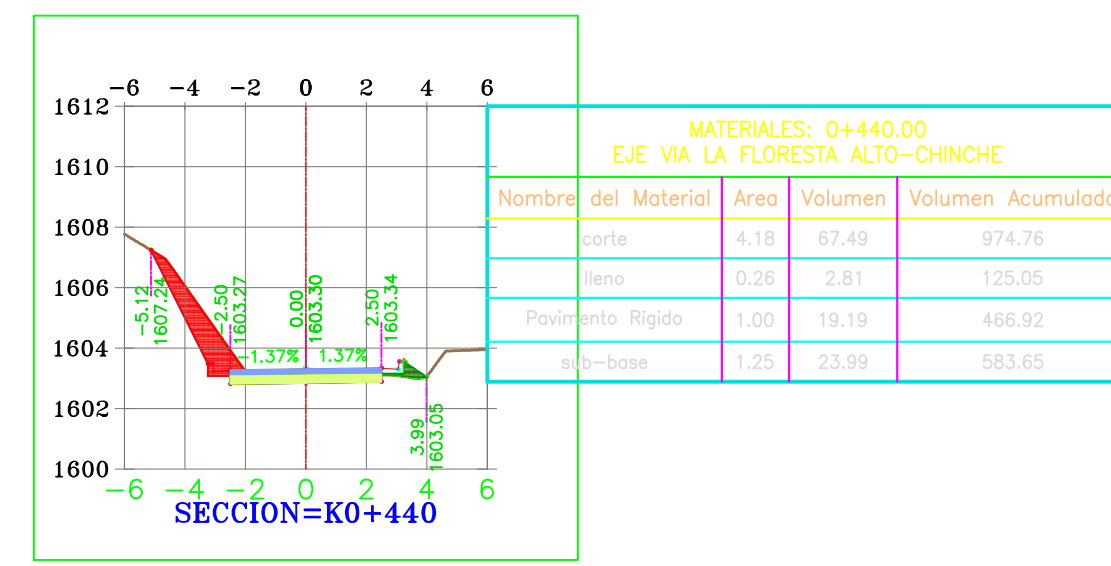
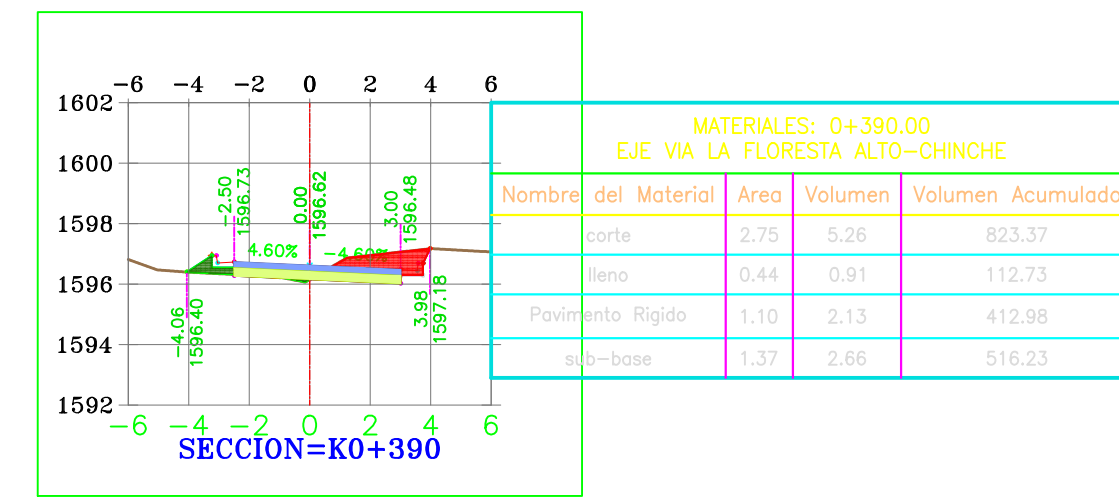
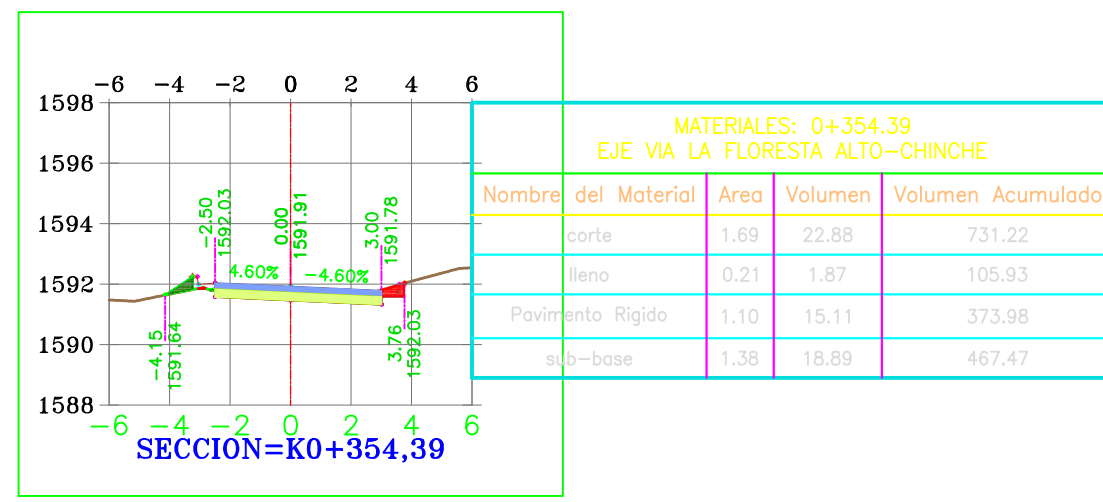
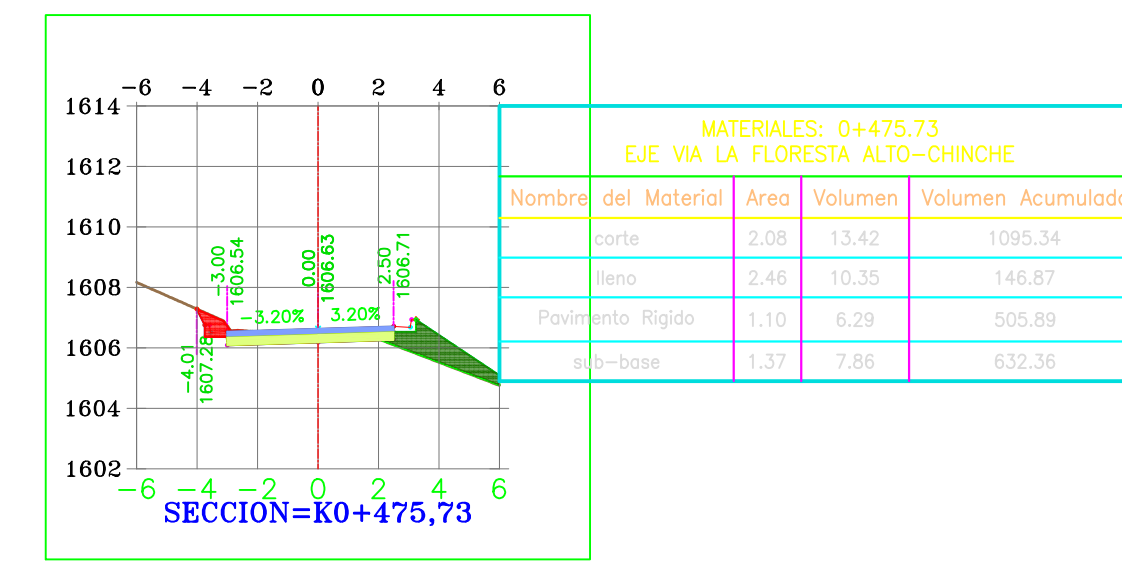
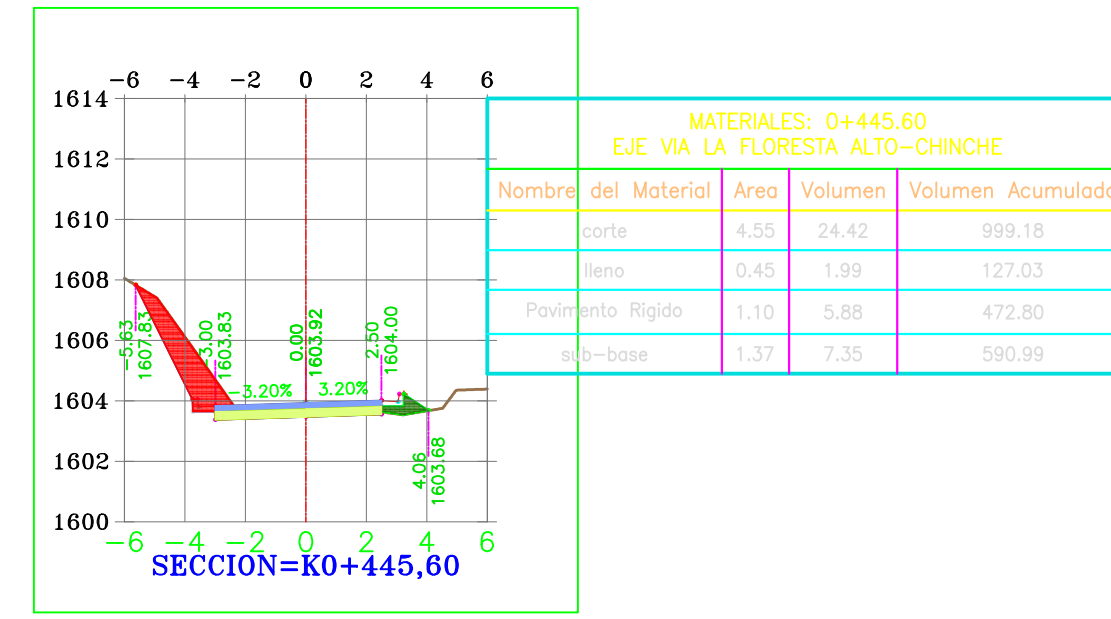
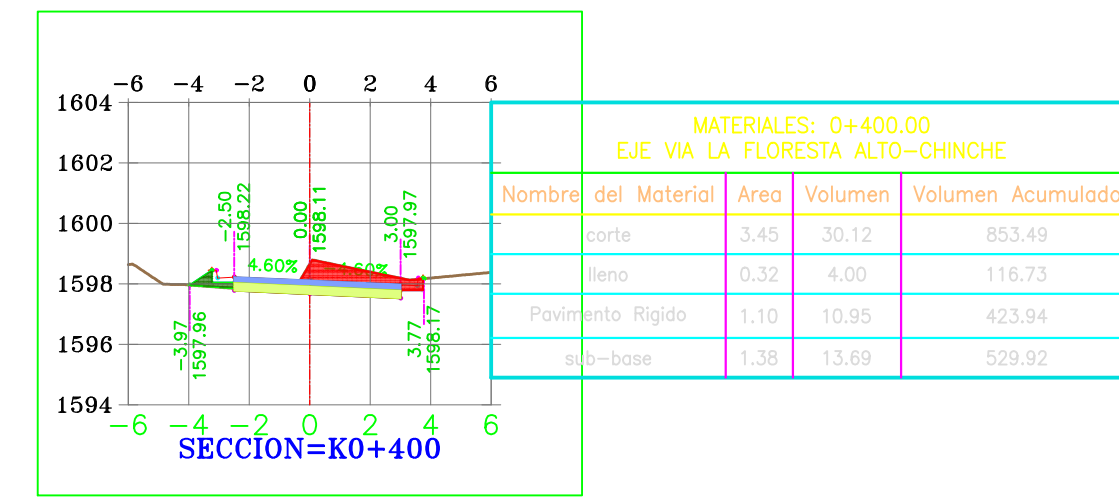
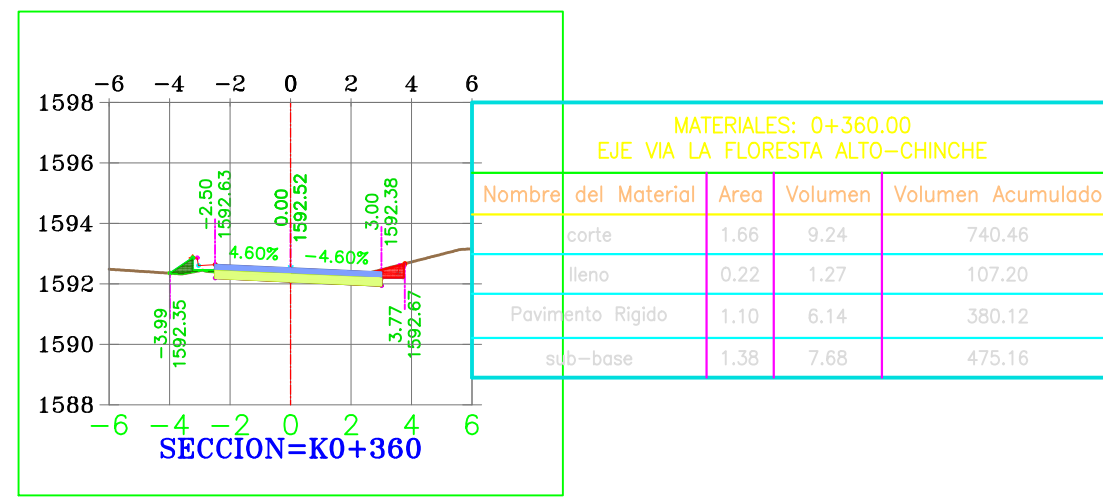
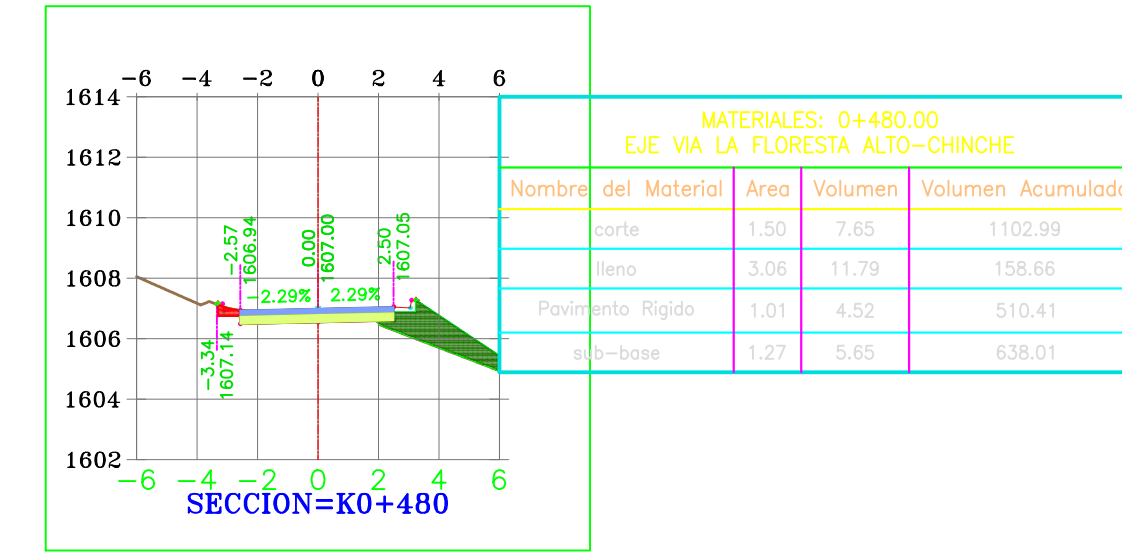
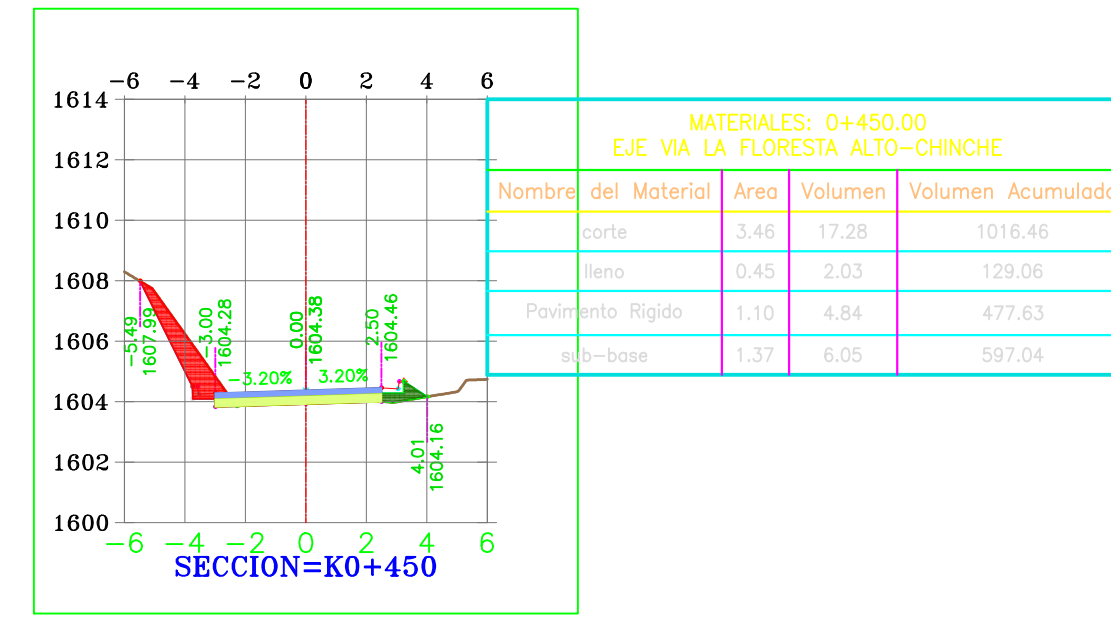
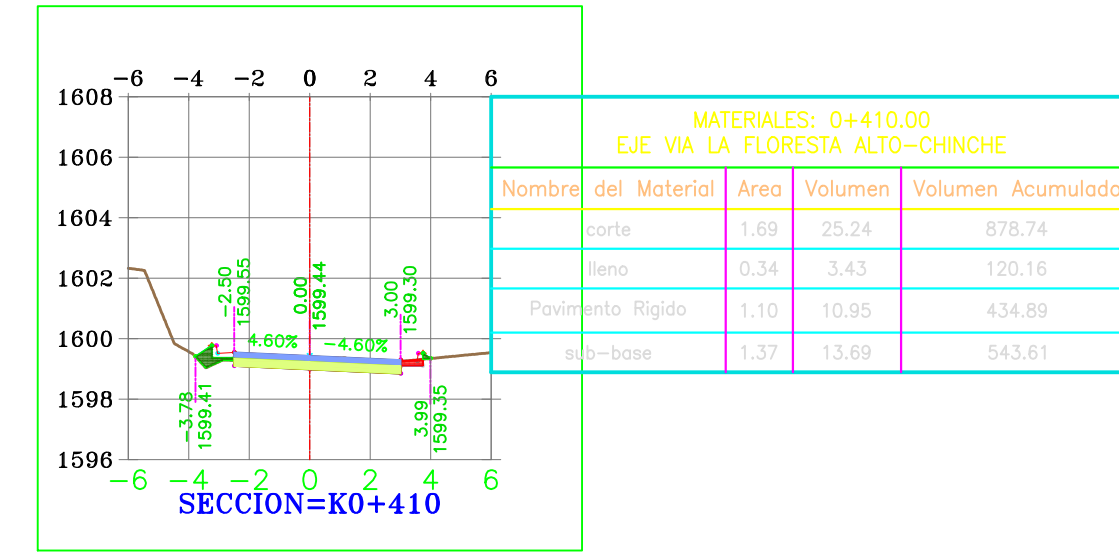
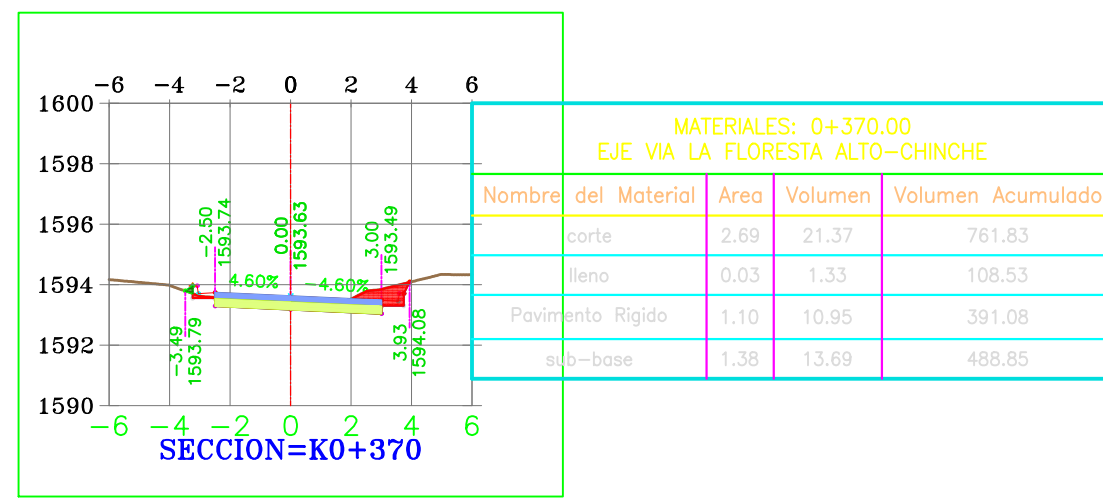
DIBUJO:  
**CONGRESUELOS**

OBSERVACIONES:

FECHA:  
**SEPTIEMBRE 2018**

ESCALA:  
**H1:250  
V1:250**

PLANO:  
**5  
/  
12**



PROYECTO:  
**MEJORAMIENTO VIA TERCIARIA QUE CONDUCE DE LA MEJORANA AL ALTO EL CHINCHE Y CORDOBITAS DEL CGTO DEL DORADO MCPIO DE YOTOCO VALLE DEL CAUCA**

CONTIENE:  
**DISEÑO GEOMETRICO SECCIONES K0+320 A K0+480 TRAMO 3**

LOCALIZACIÓN:  
**CORREGIMIENTO EL DORADO MUNICIPIO DE YOTOCO VALLE DEL CAUCA**

LEVANTO:  
*Jose Ramiro Penilla P*  
**JOSE RAMIRO PENILLA TOPOGRAFO**

PROCESO:  
*Fernando Cordoba*  
**FERNANDO CORDOBA INGENIERO CIVIL**

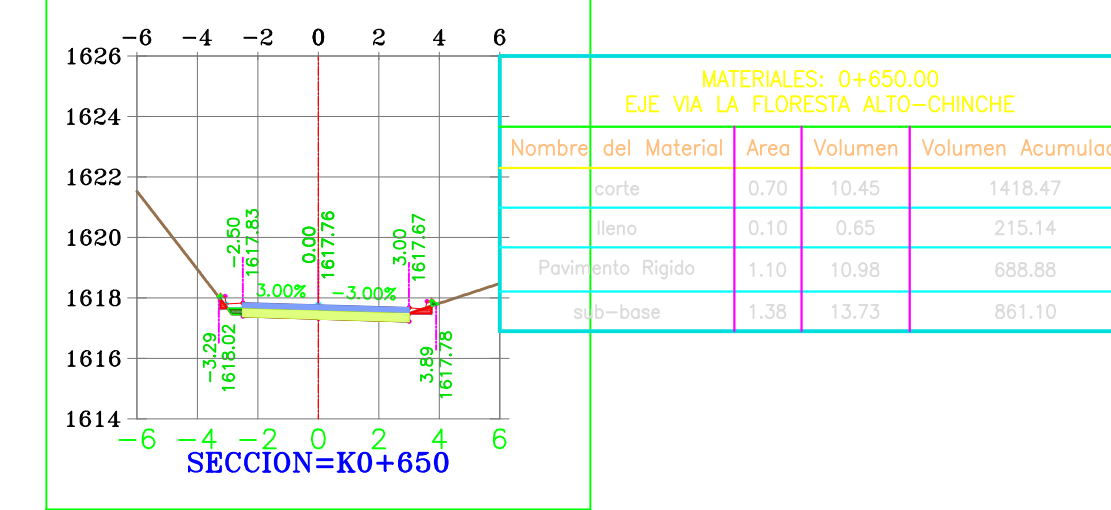
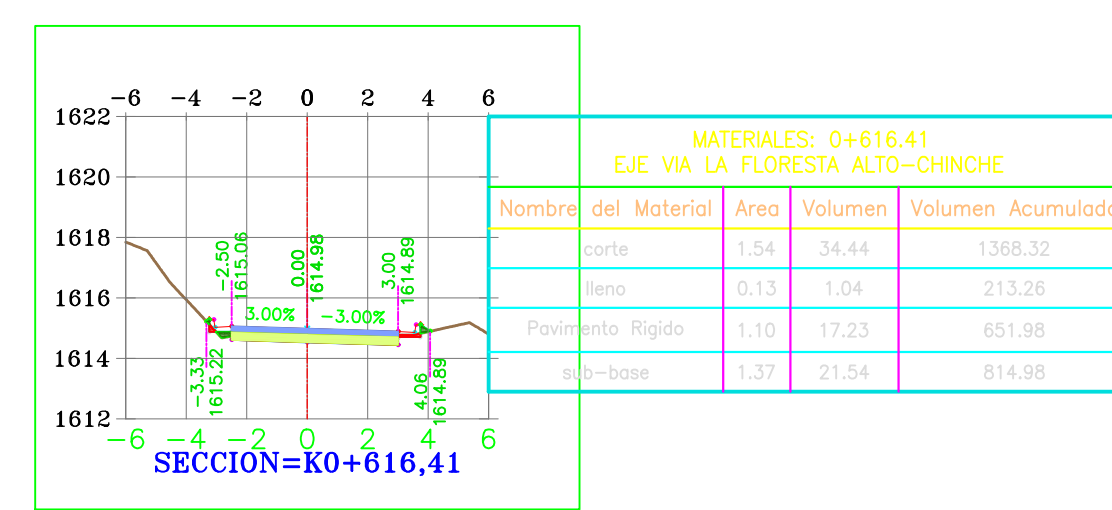
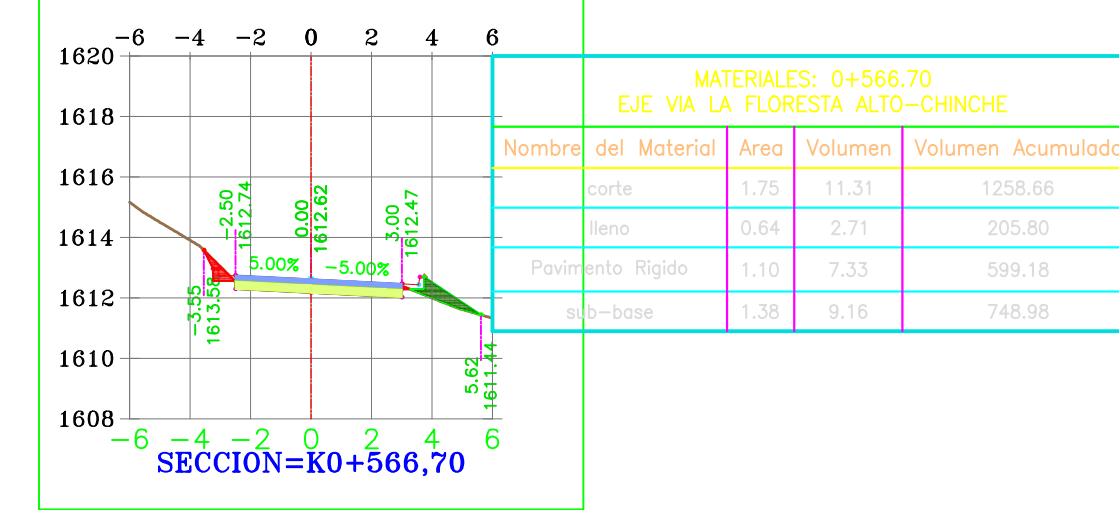
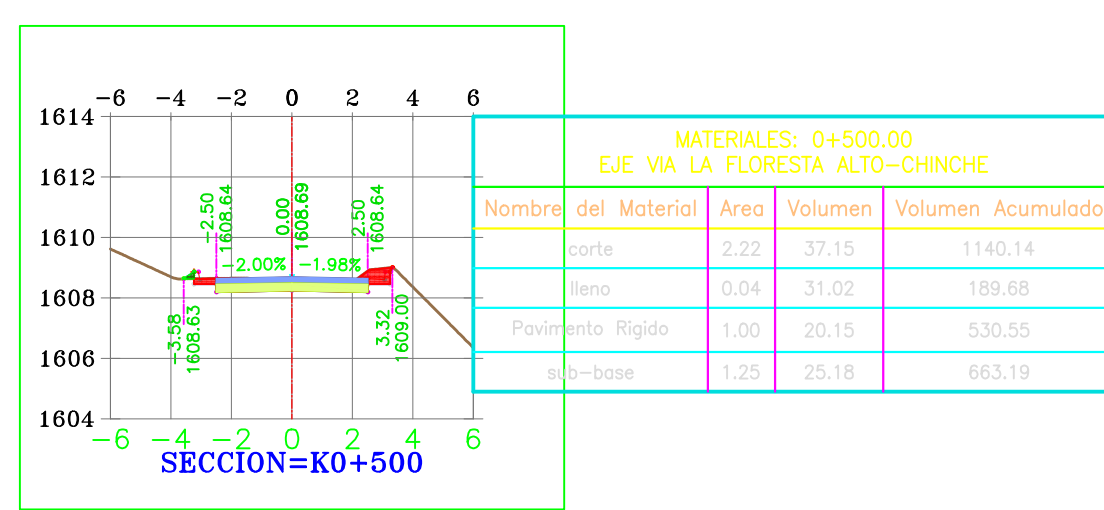
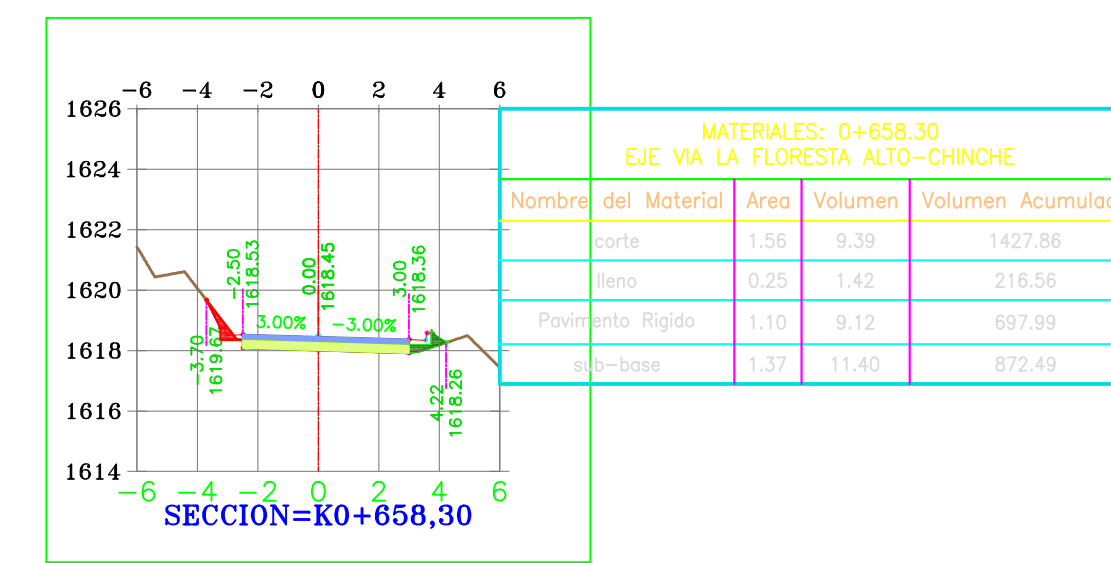
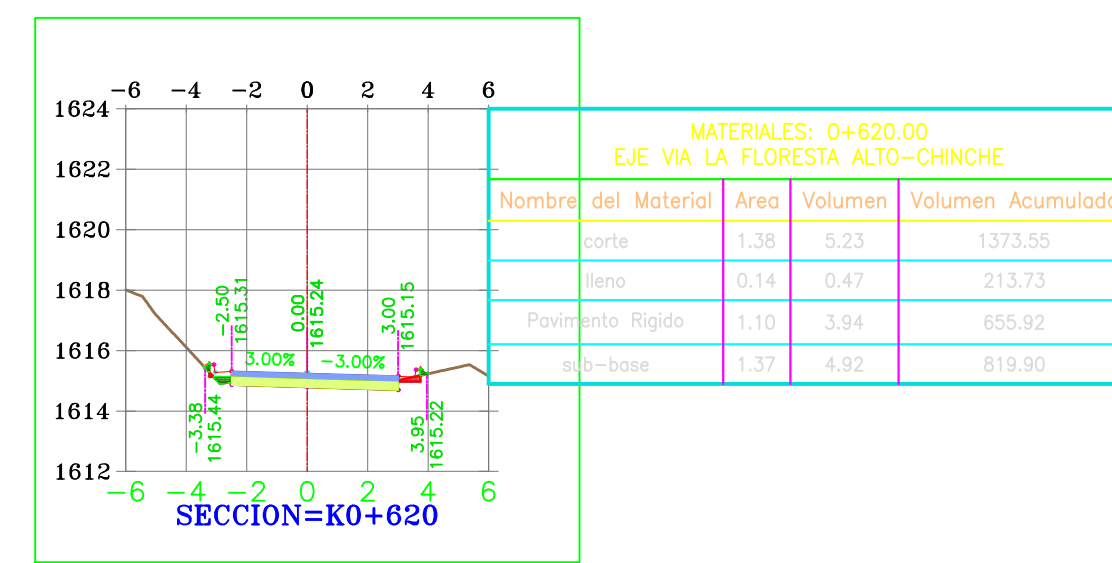
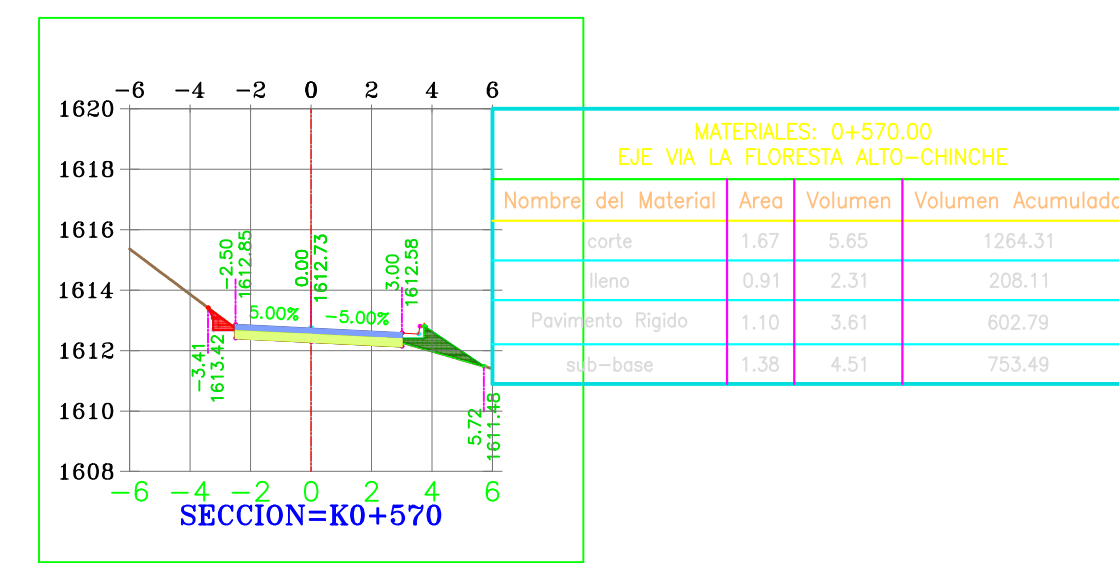
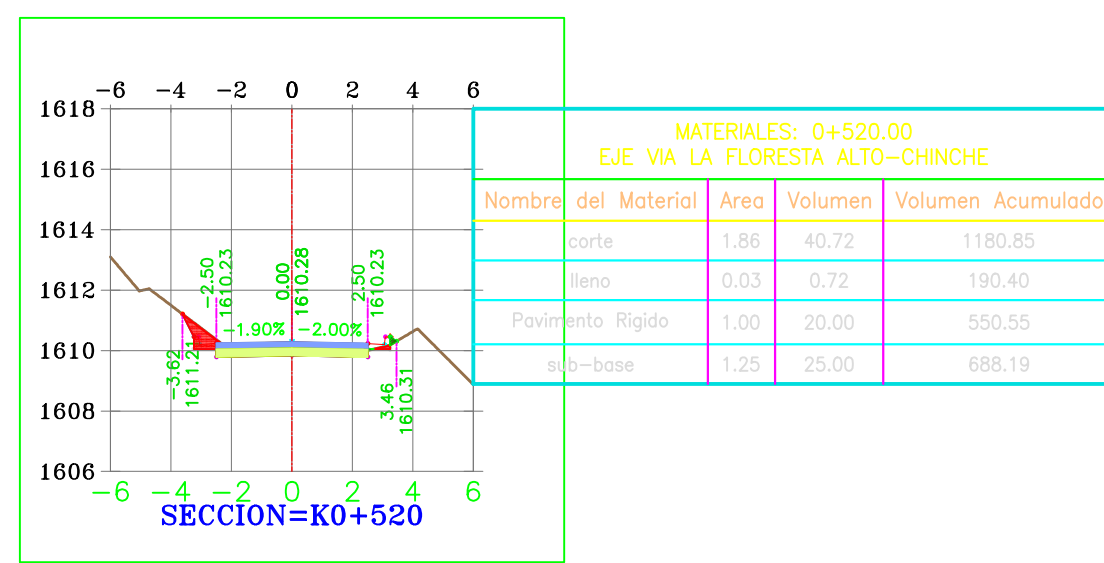
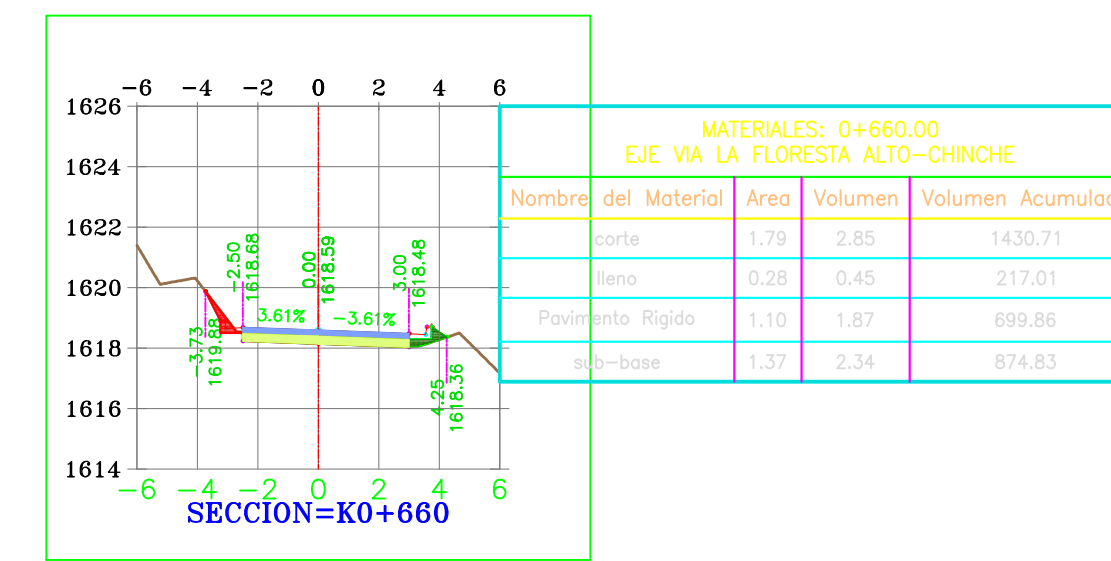
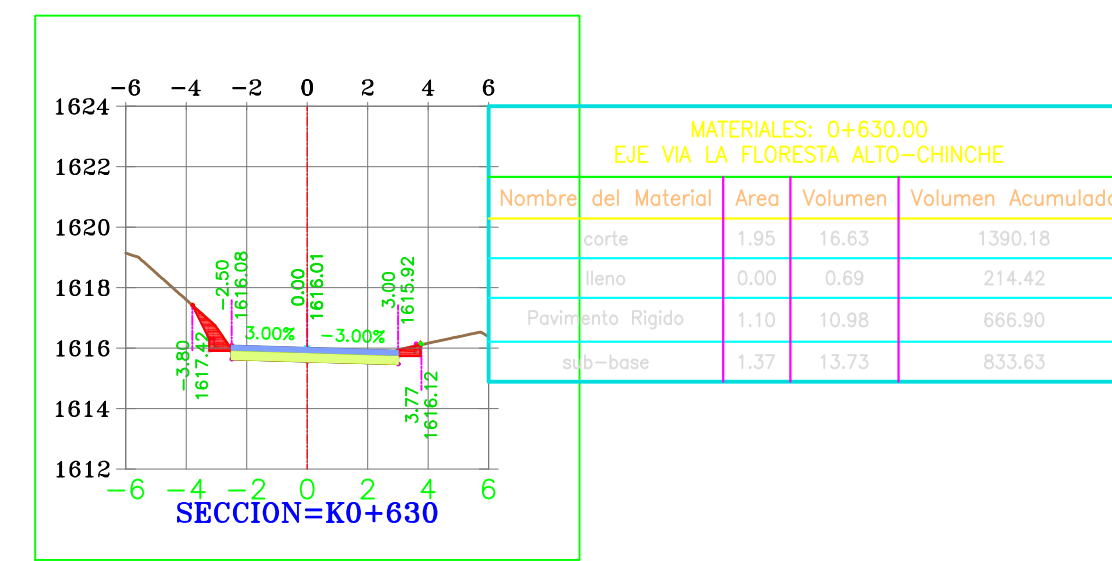
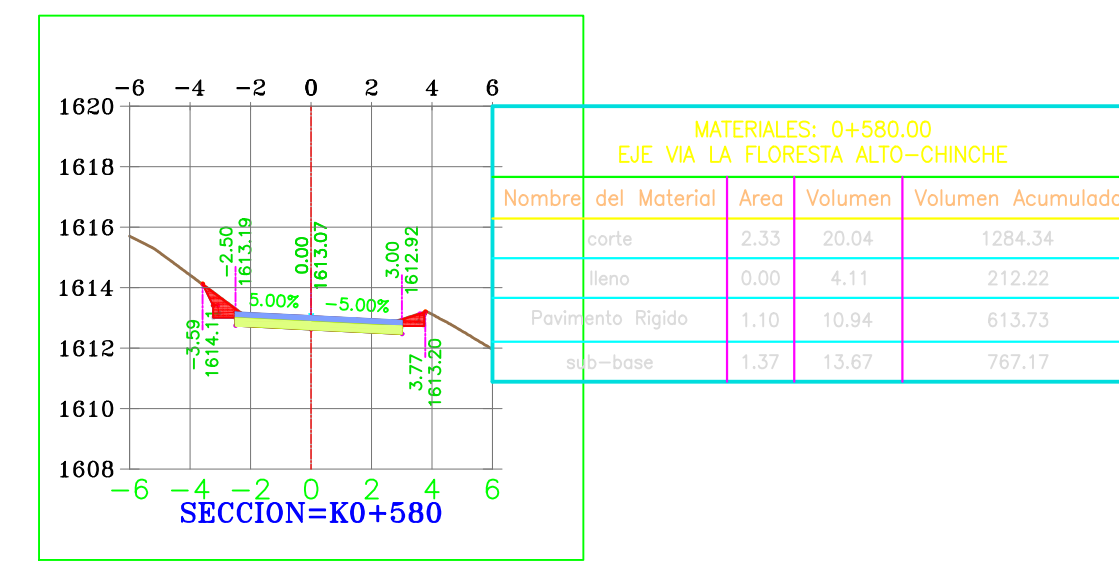
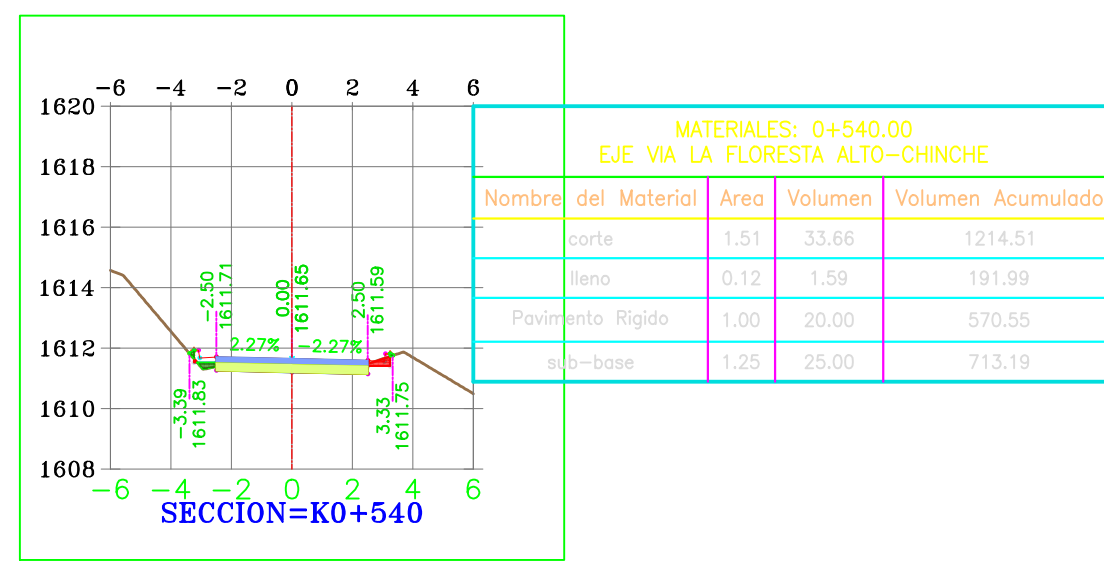
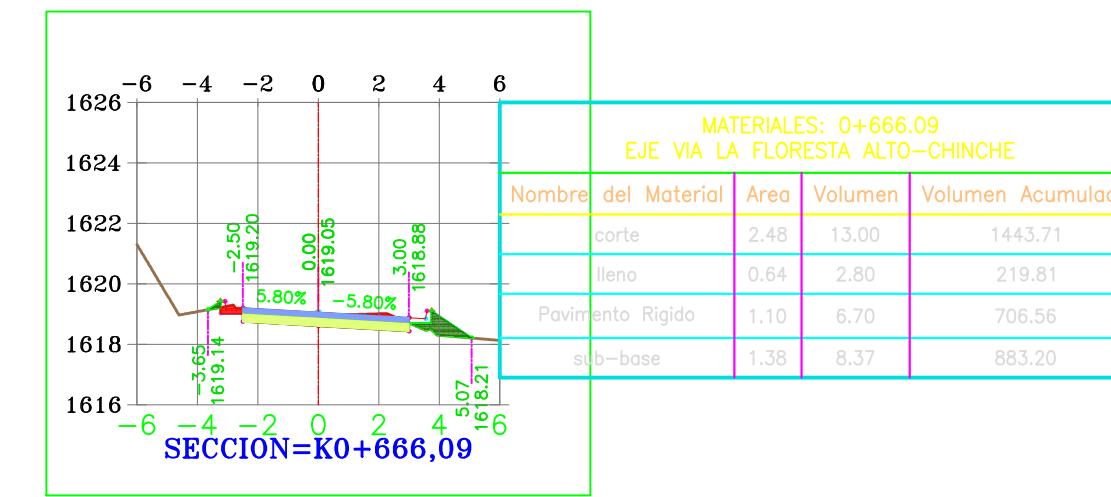
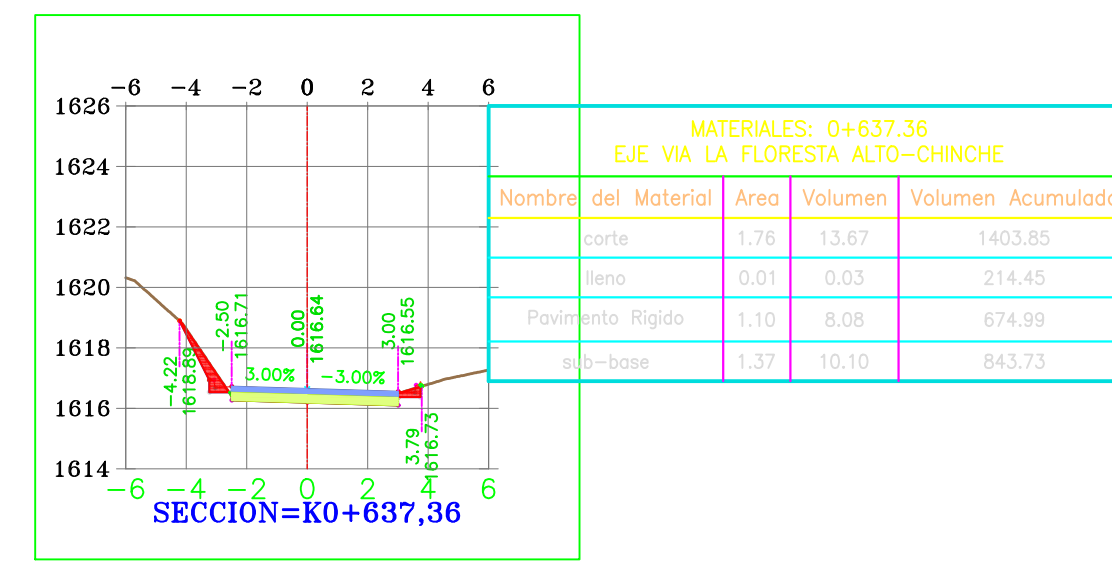
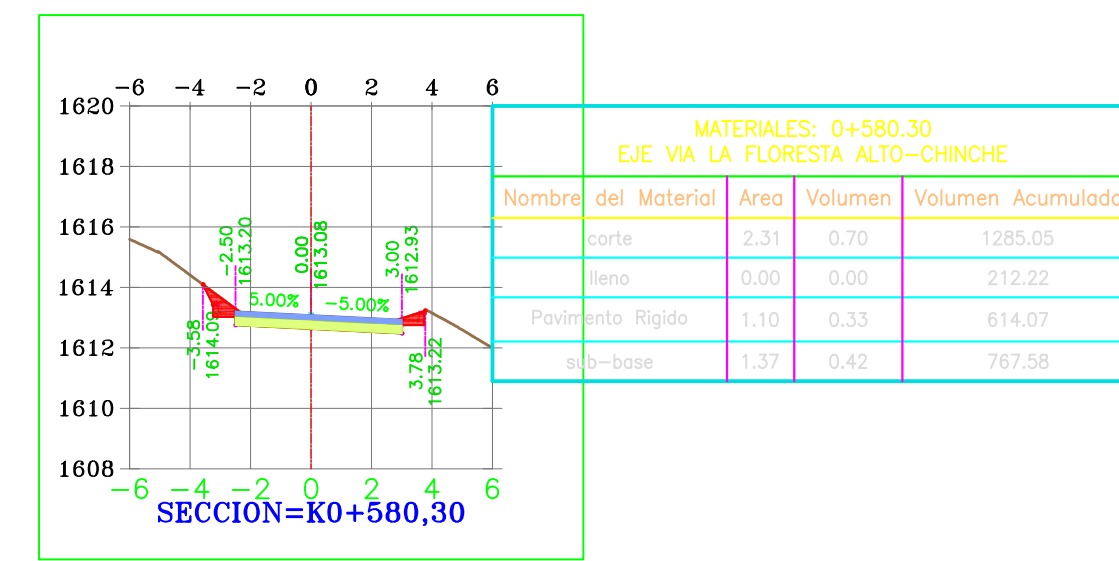
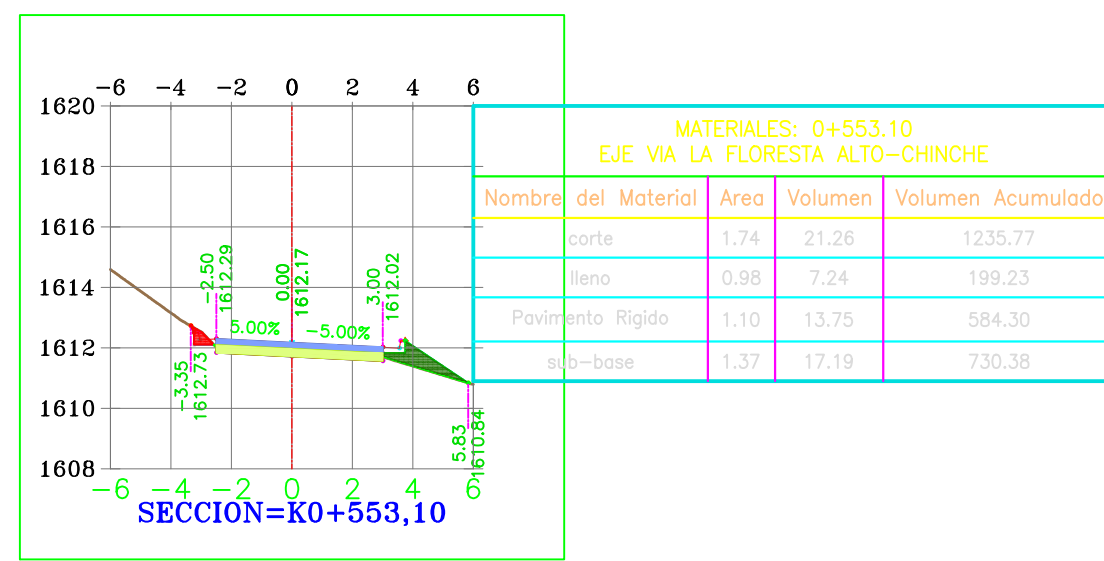
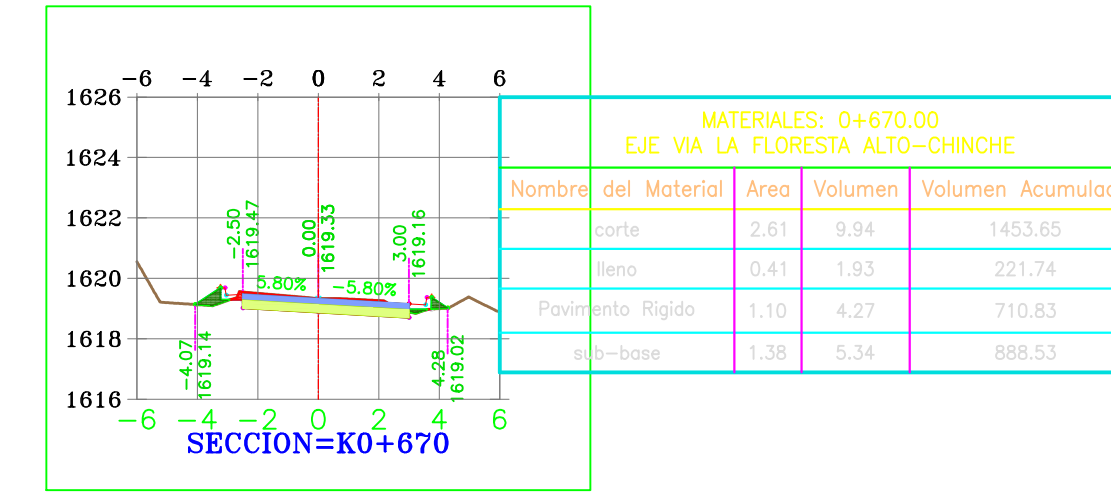
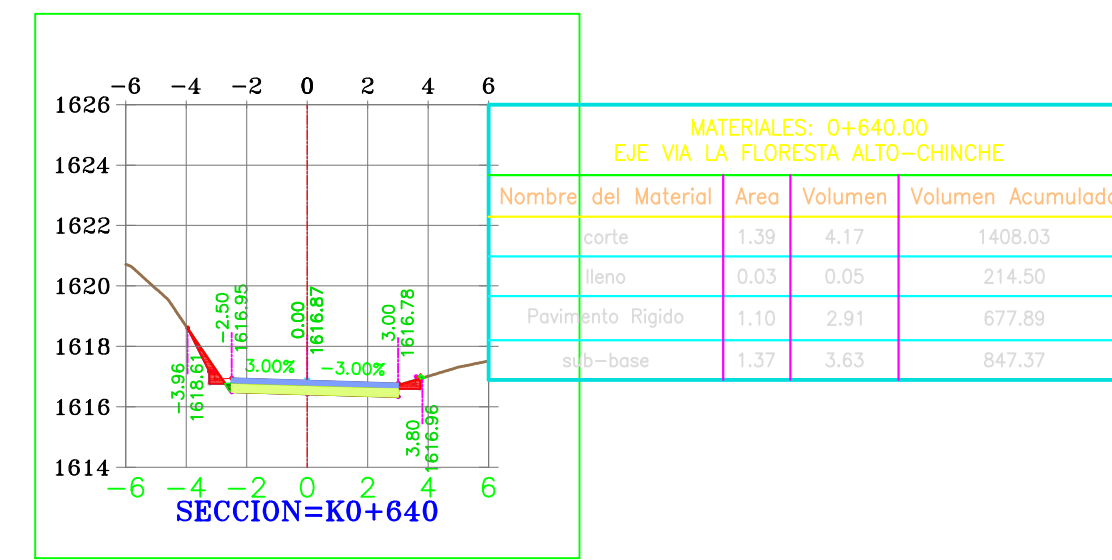
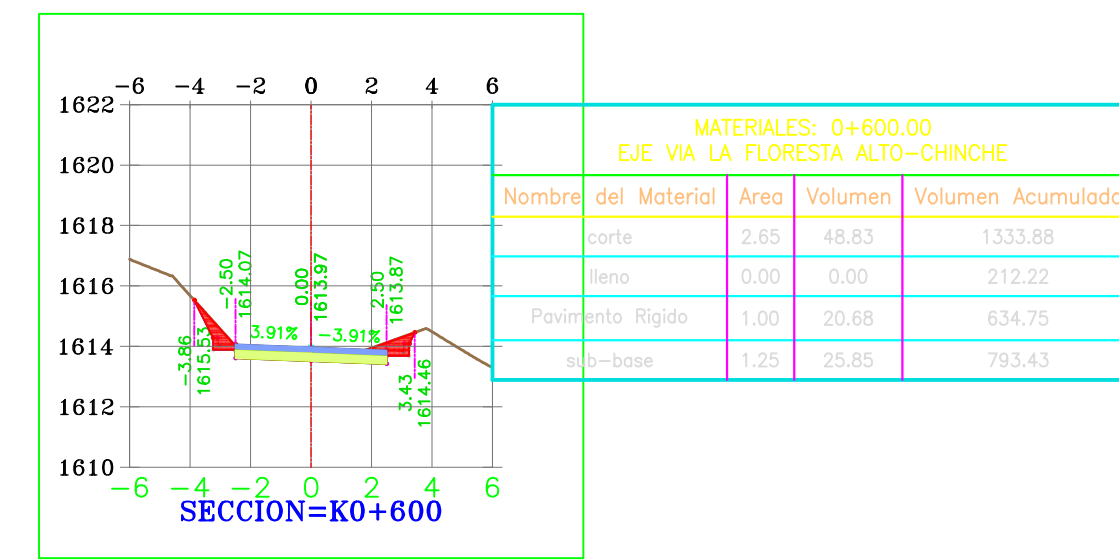
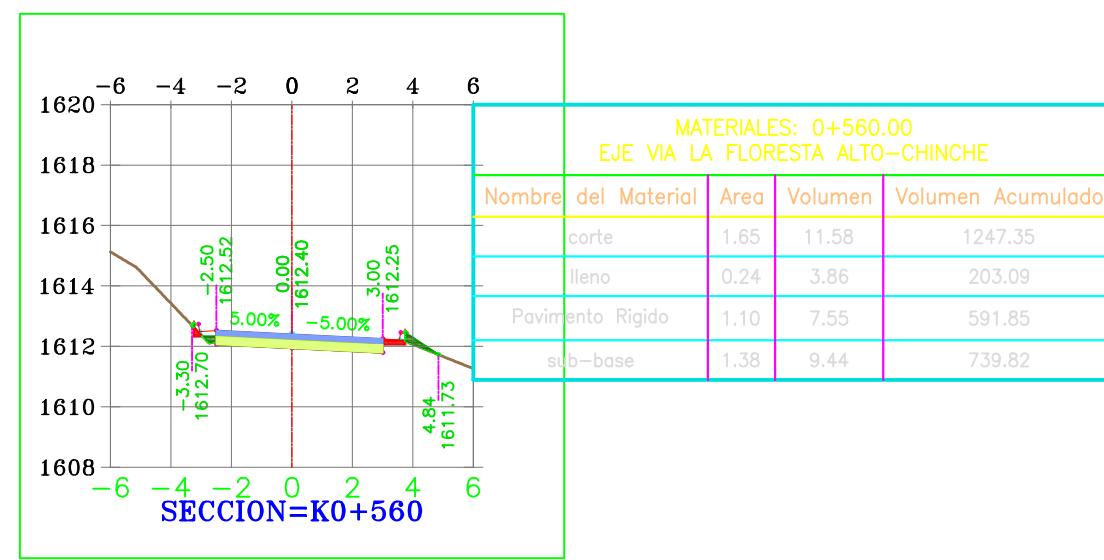
DIBUJO:  
**CONGRESUELOS**

OBSERVACIONES:

FECHA:  
**SEPTIEMBRE 2018**

ESCALA:  
**H1:250 V1:250**

PLANO:  
**6/12**



PROYECTO:  
MEJORAMIENTO VIA TERCIARIA QUE  
CONDUCE DE LA MEJORANA AL  
ALTO EL CHINCHE Y CORDOBITAS  
DEL CGTO DEL DORADO MCPIO DE  
YOTOCO VALLE DEL CAUCA

CONTIENE:  
**DISEÑO GEOMETRICO  
SECCIONES  
K0+480 A K0+670  
TRAMO 3**

LOCALIZACIÓN:  
**CORREGIMIENTO EL DORADO  
MUNICIPIO DE YOTOCO  
VALLE DEL CAUCA**

LEVANTO:  
*Jose Ramiro Penilla*  
**JOSE RAMIRO PENILLA  
TOPOGRAFO**

PROCESO:  
*Fernando Cordoba*  
**FERNANDO CORDOBA  
INGENIERO CIVIL**

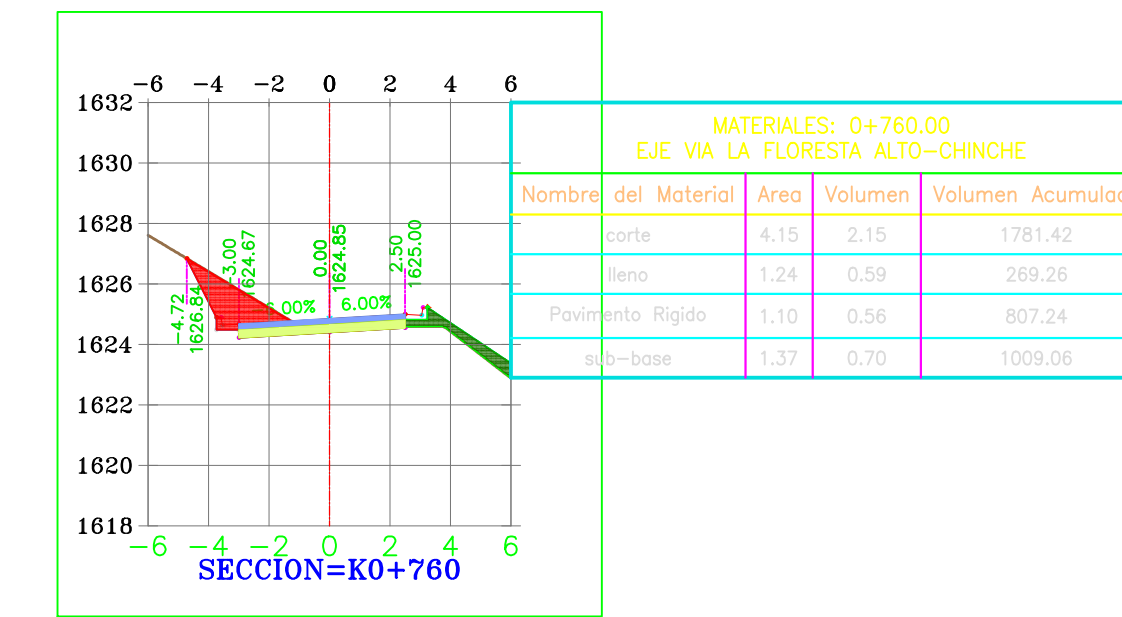
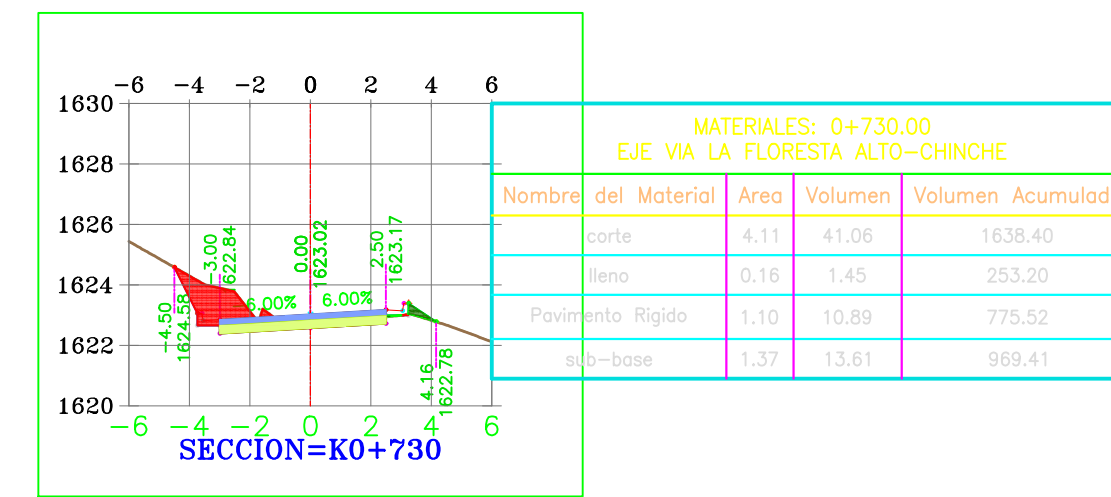
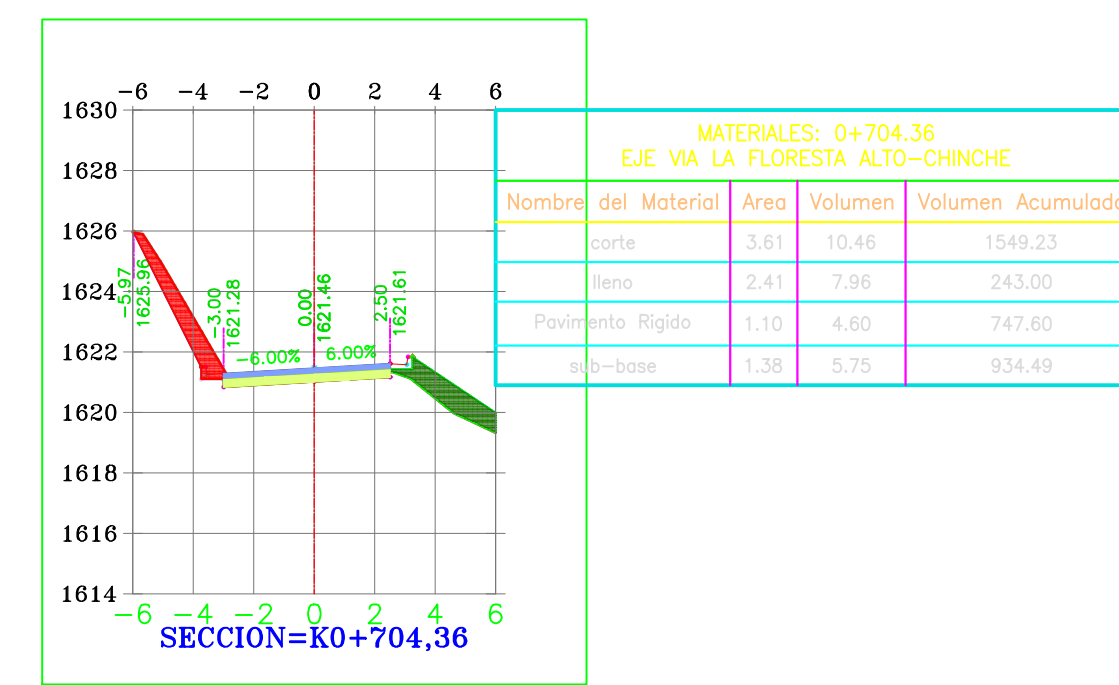
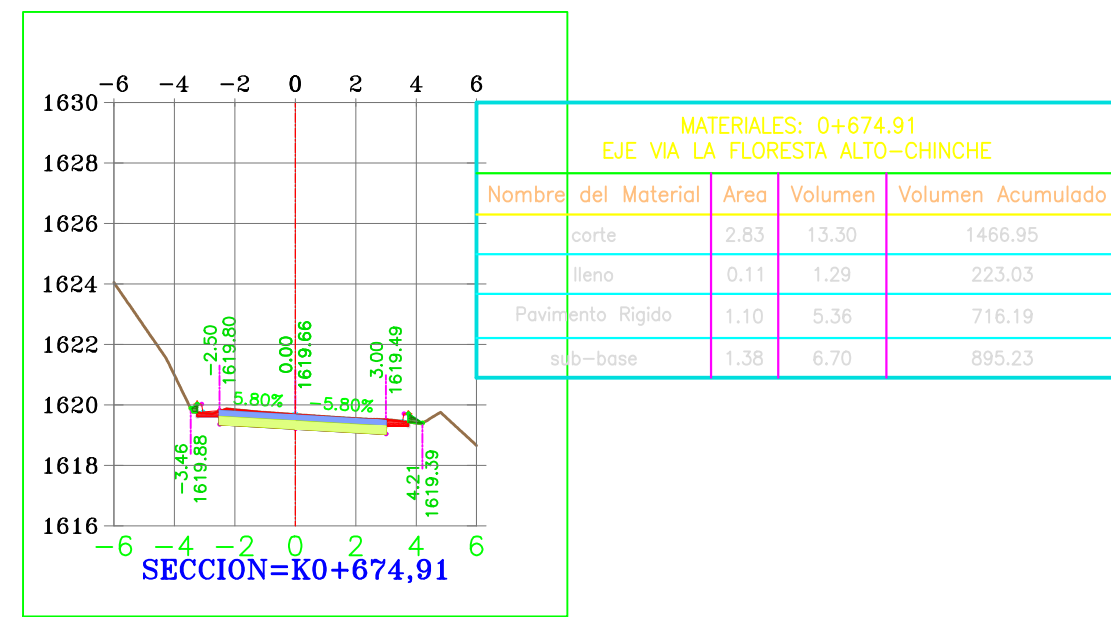
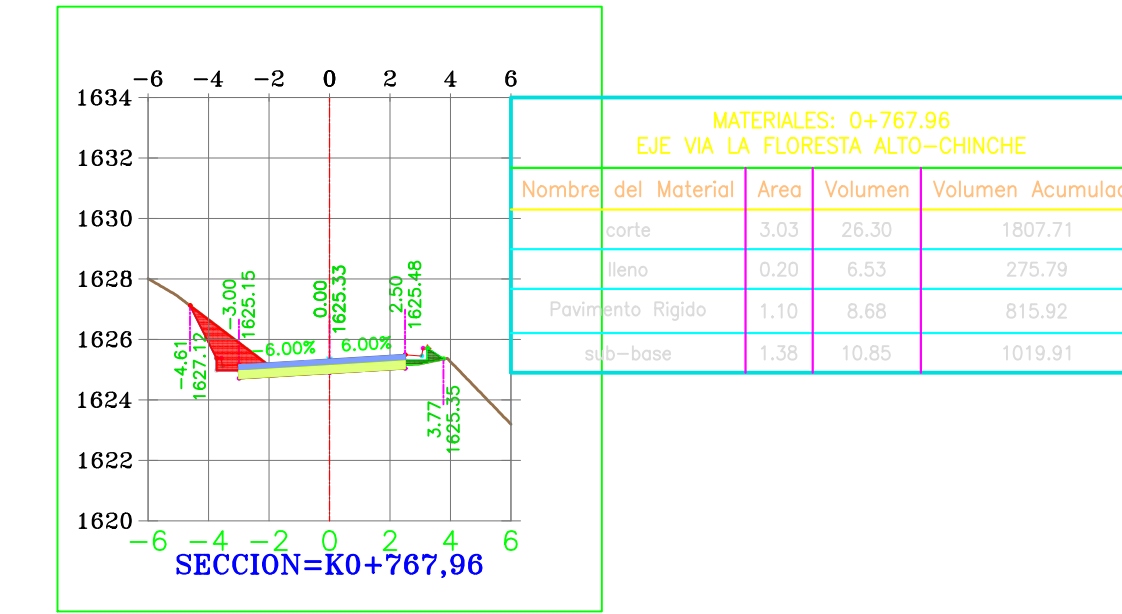
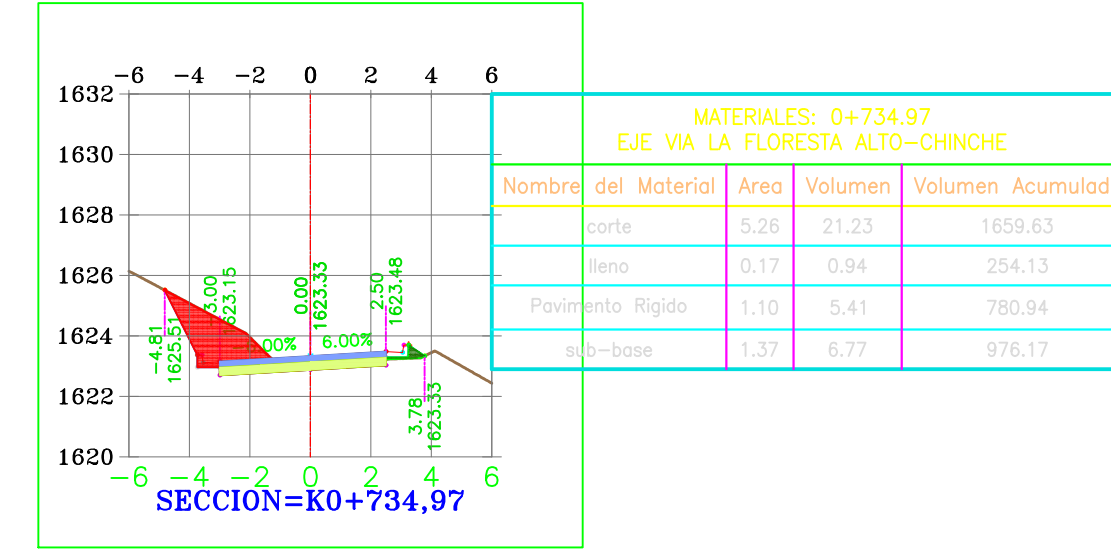
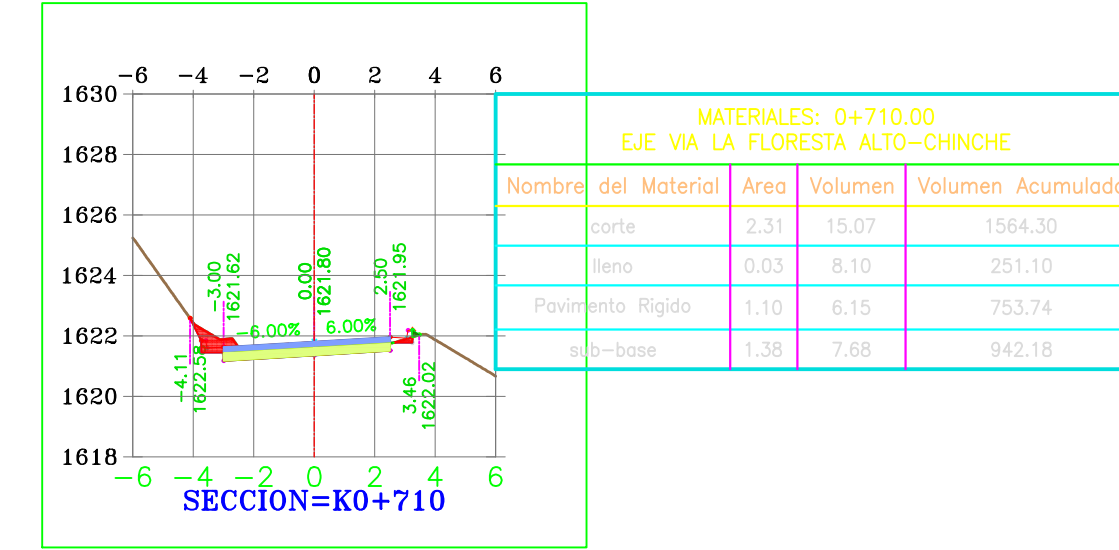
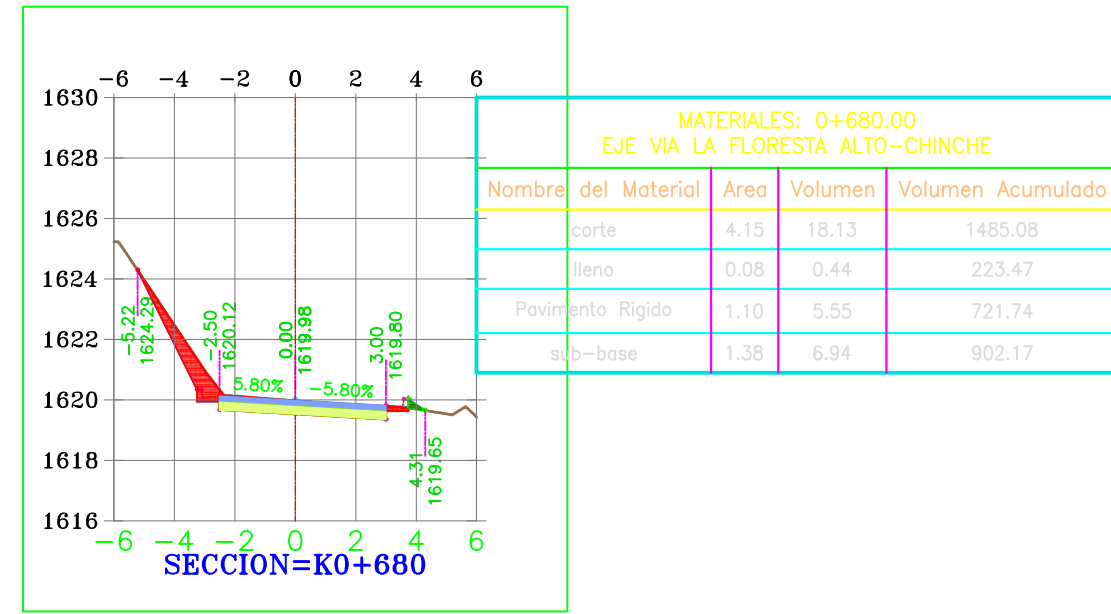
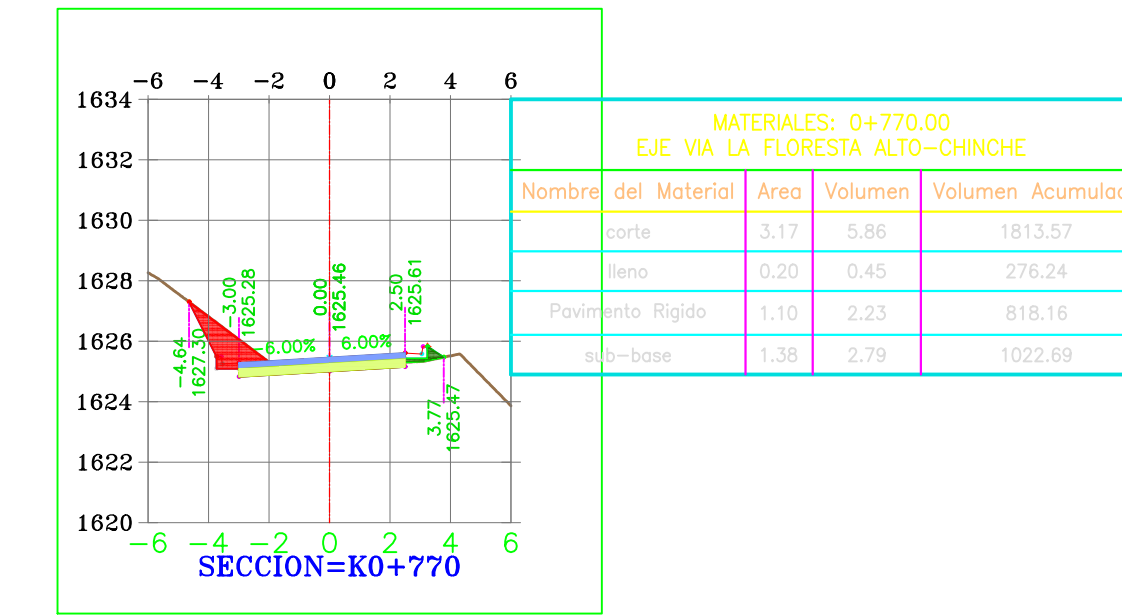
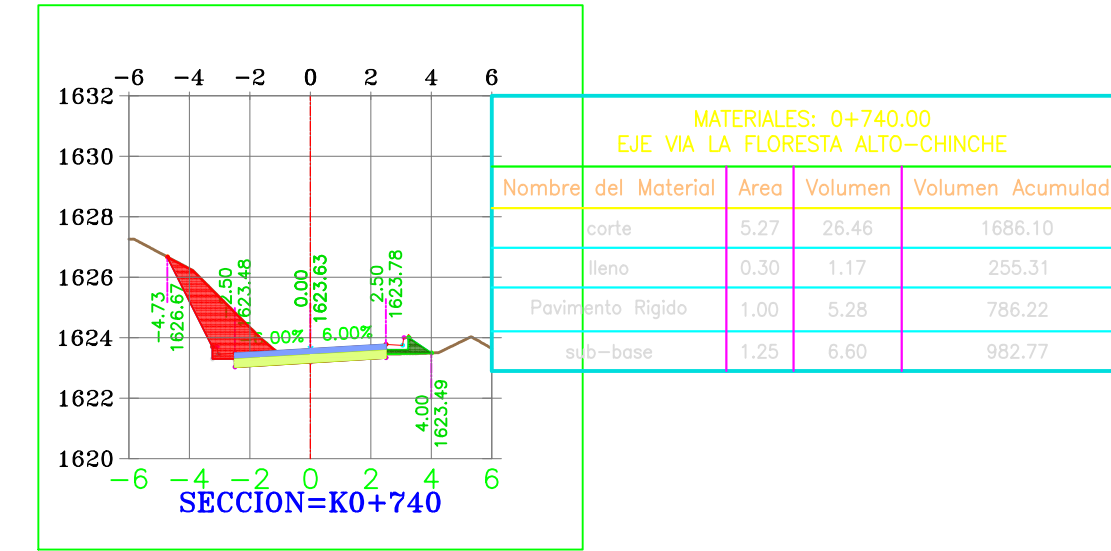
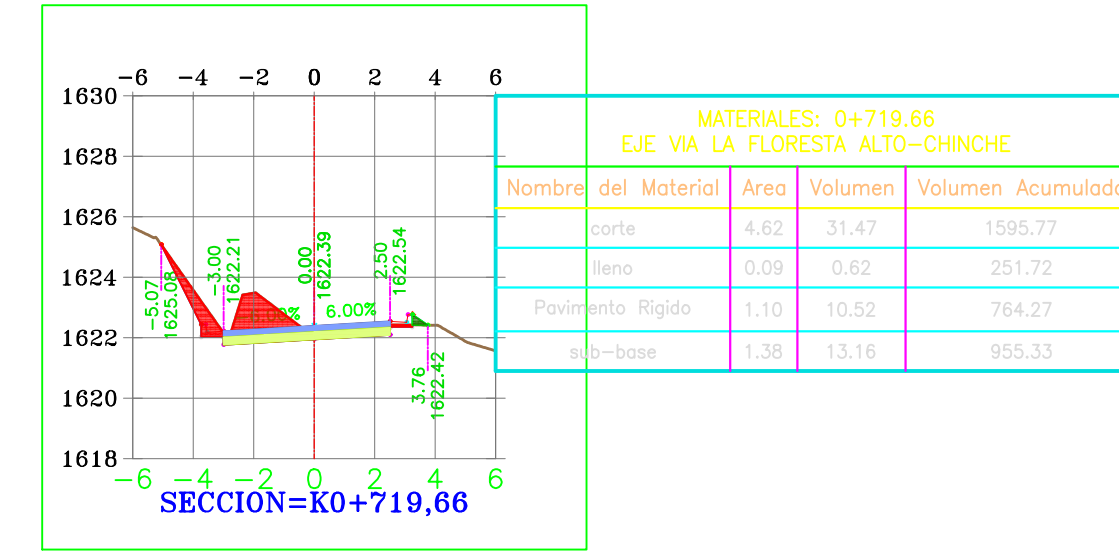
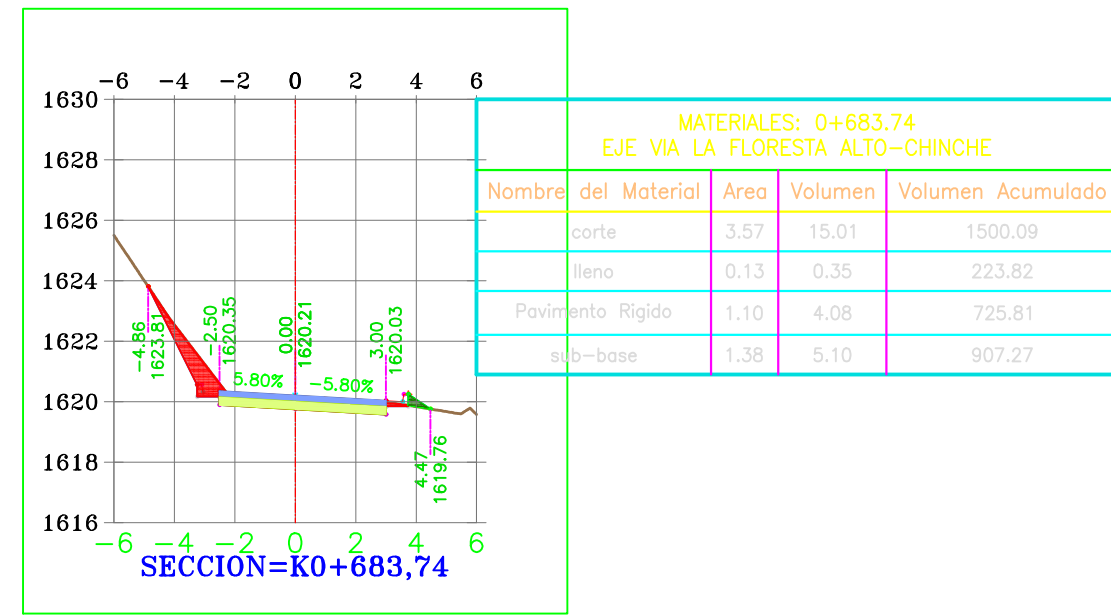
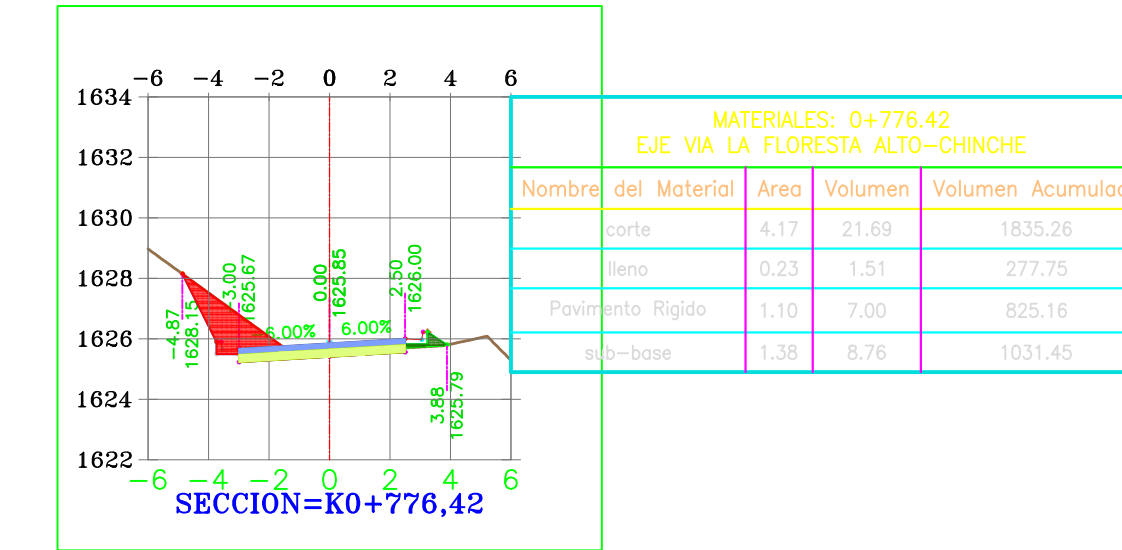
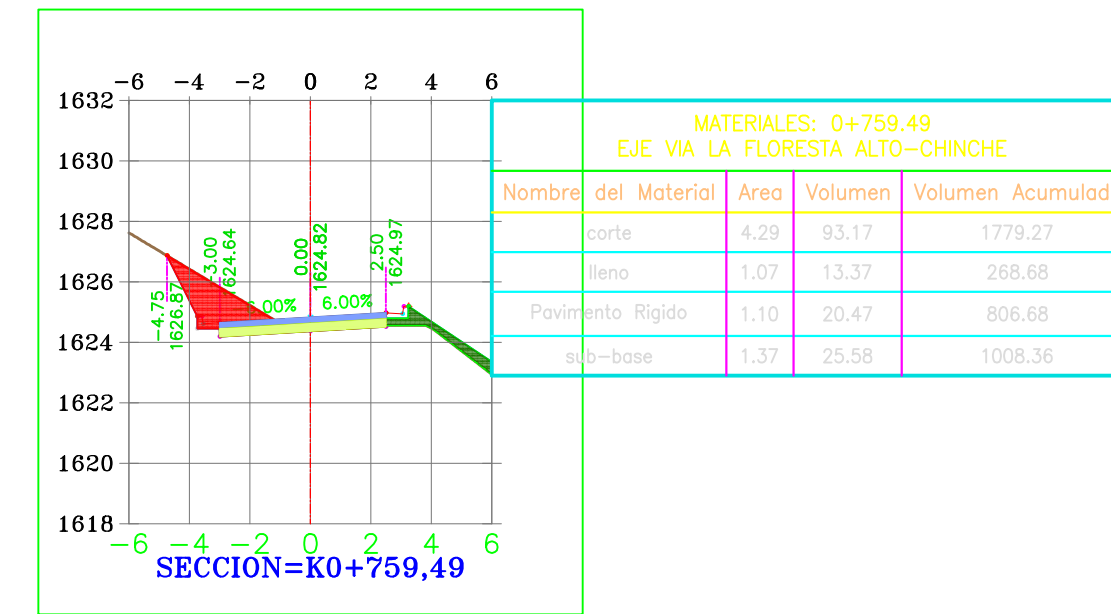
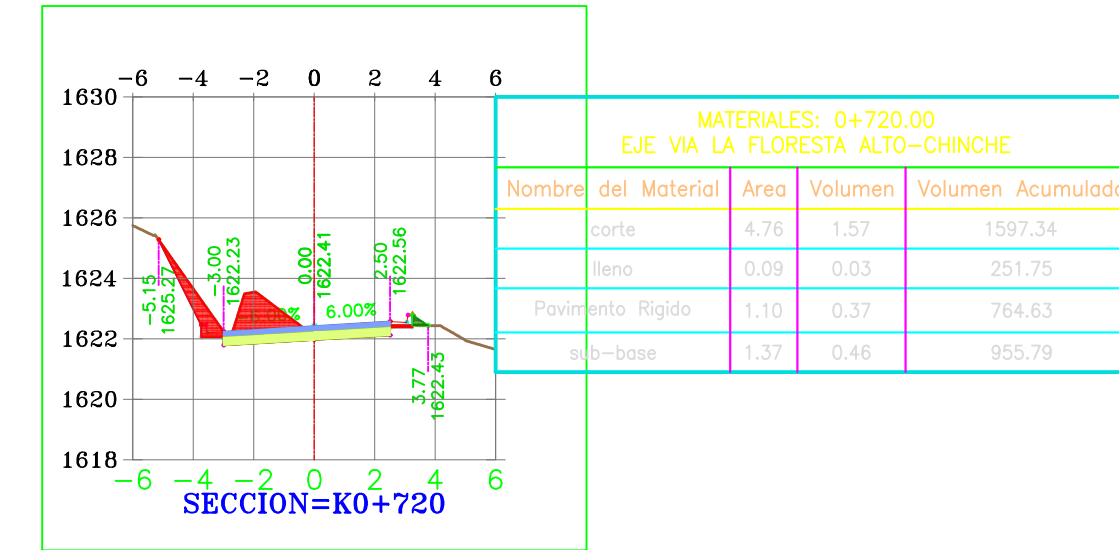
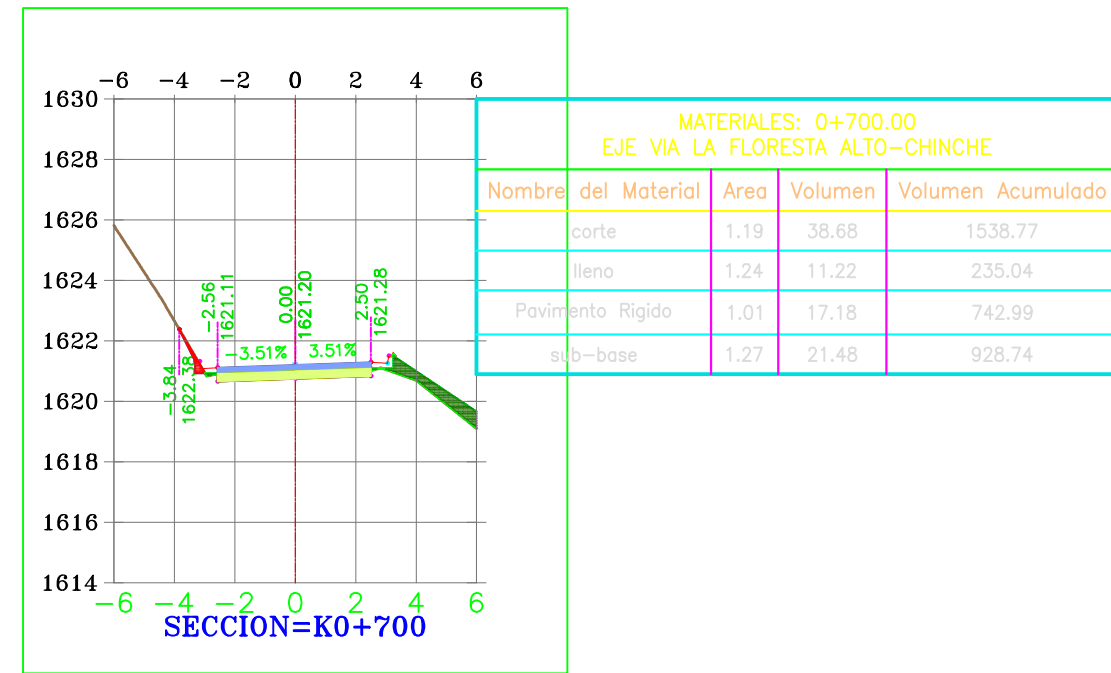
DIBUJO:  
**CONGRESUELOS**

OBSERVACIONES:

FECHA:  
**SEPTIEMBRE 2018**

ESCALA:  
**H1:250  
V1:250**

PLANO:  
**7/  
12**



PROYECTO:  
MEJORAMIENTO VIA TERCIARIA QUE CONDUCE DE LA MEJORANA AL ALTO EL CHINCHE Y CORDOBITAS DEL CGTO DEL DORADO MCPIO DE YOTOCO VALLE DEL CAUCA

CONTIENE:  
**DISEÑO GEOMETRICO SECCIONES K0+674 A K0+776.42 TRAMO 3**

LOCALIZACIÓN:  
CORREGIMIENTO EL DORADO MUNICIPIO DE YOTOCO VALLE DEL CAUCA

LEVANTO:  
*Jose Ramiro Penilla*  
**JOSE RAMIRO PENILLA TOPOGRAFO**

PROCESO:  
*Fernando Cordoba*  
**FERNANDO CORDOBA INGENIERO CIVIL**

DIBUJO:  
**CONGRESUELOS**

OBSERVACIONES:

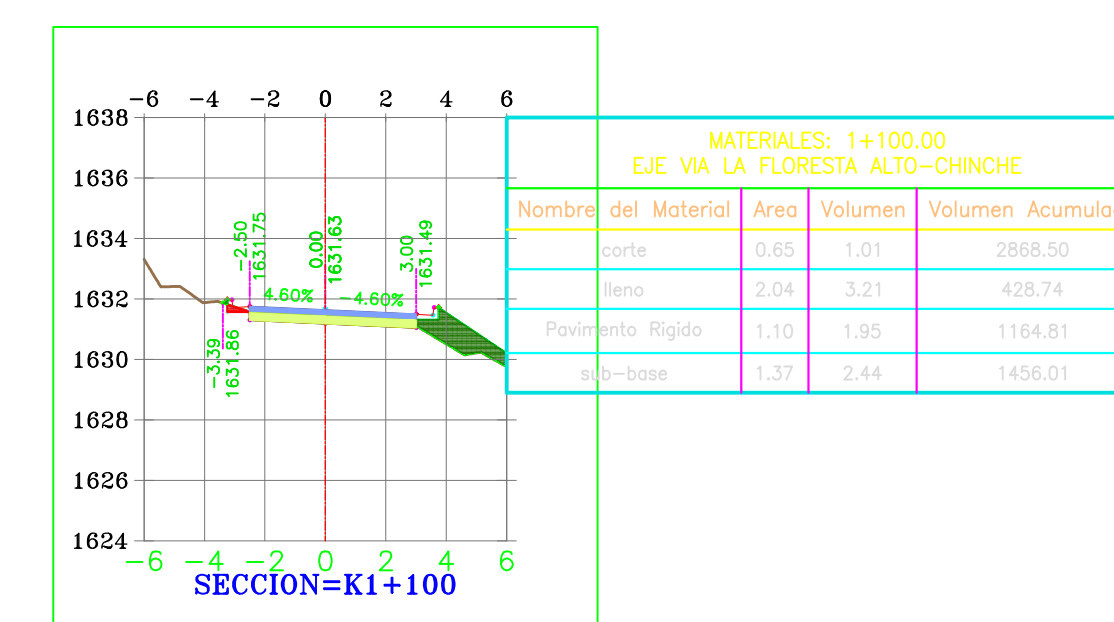
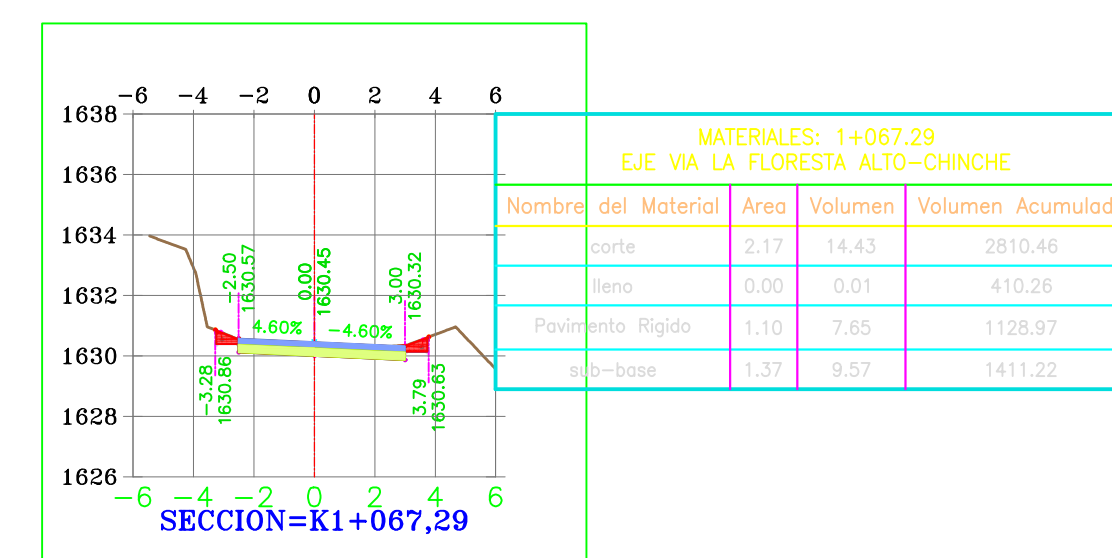
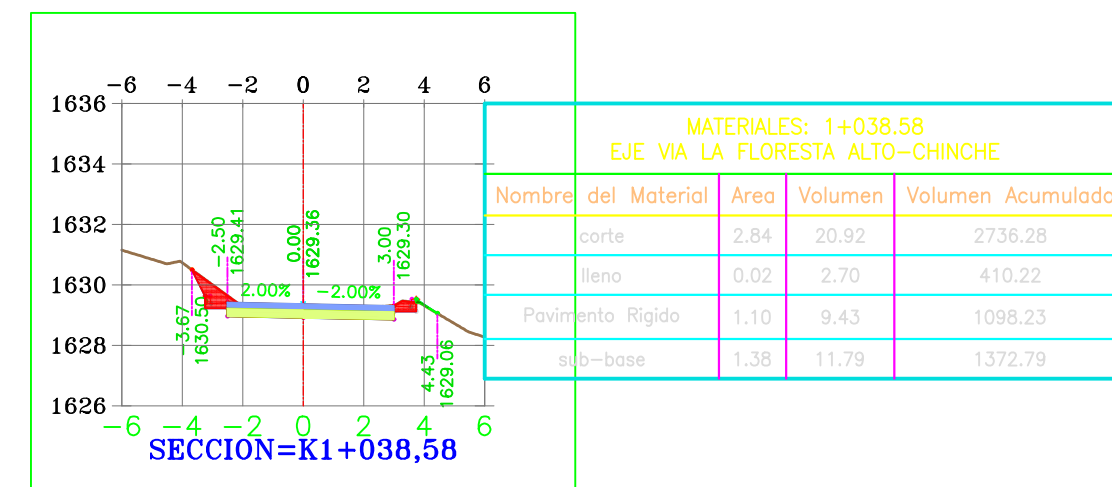
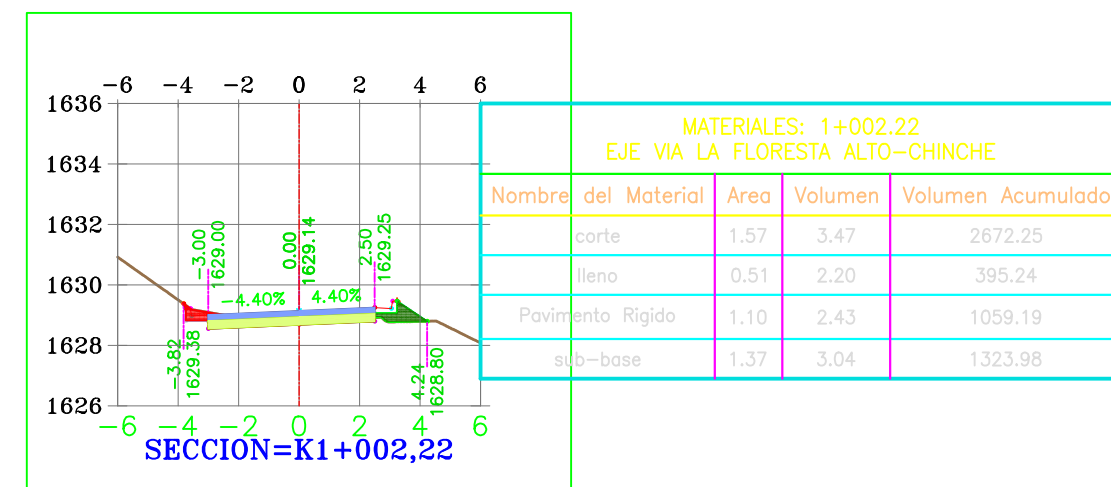
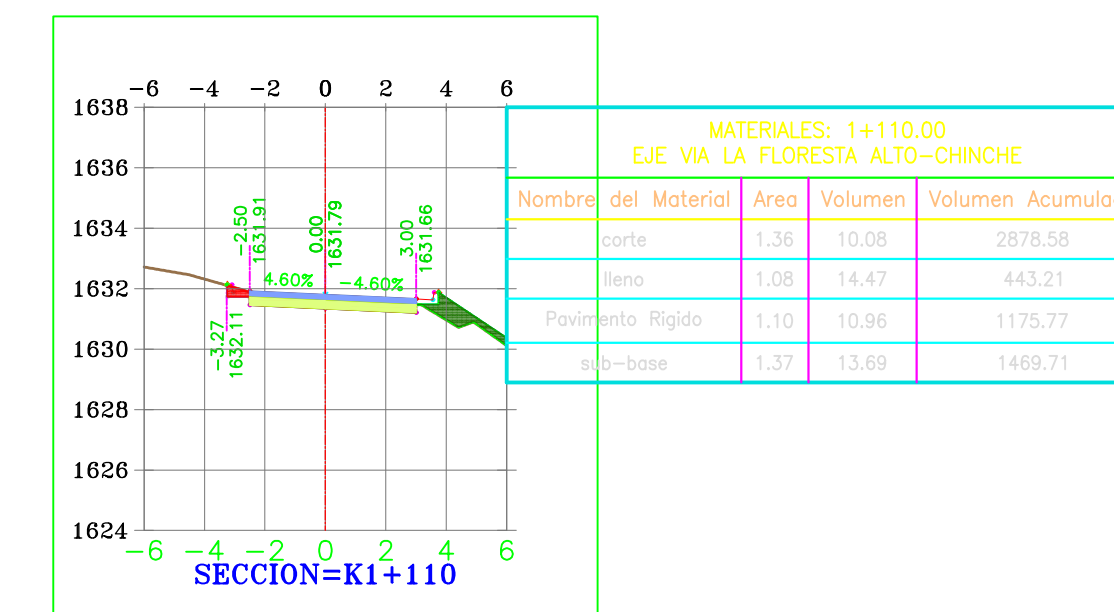
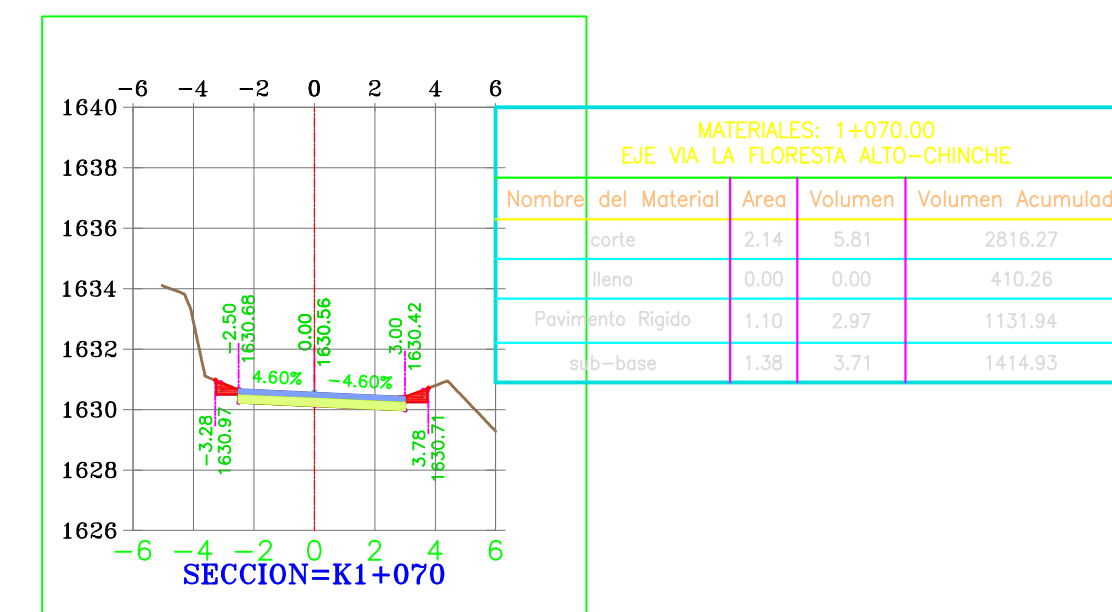
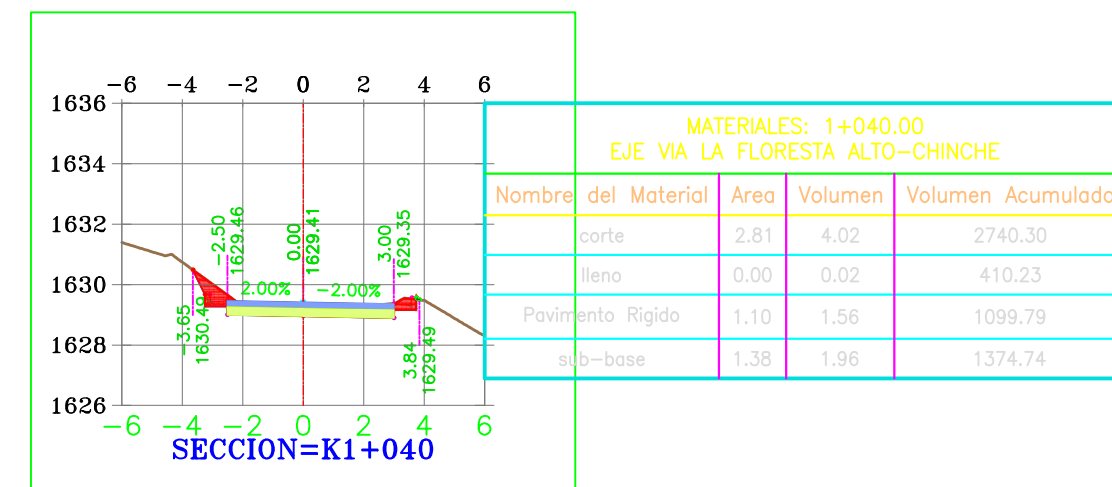
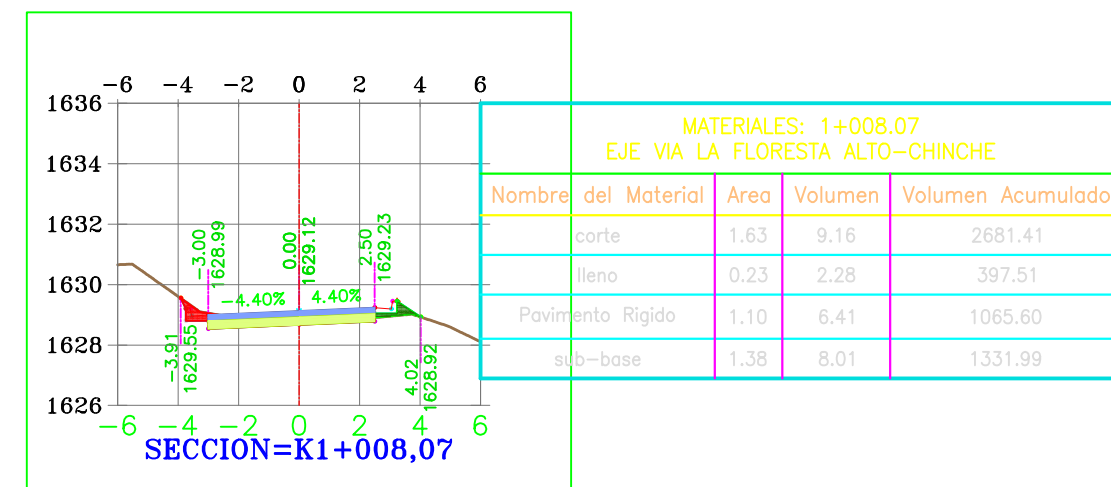
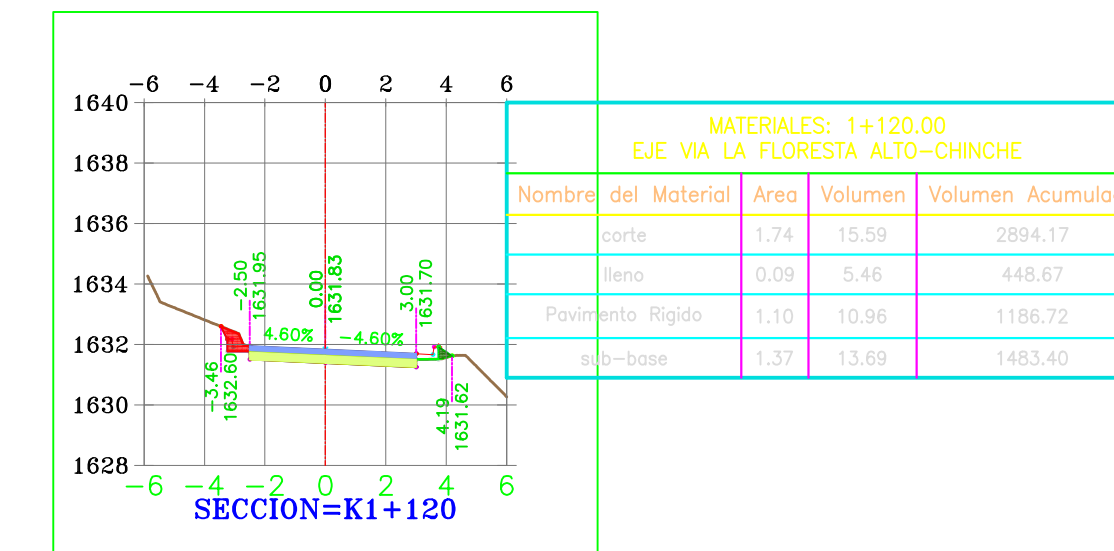
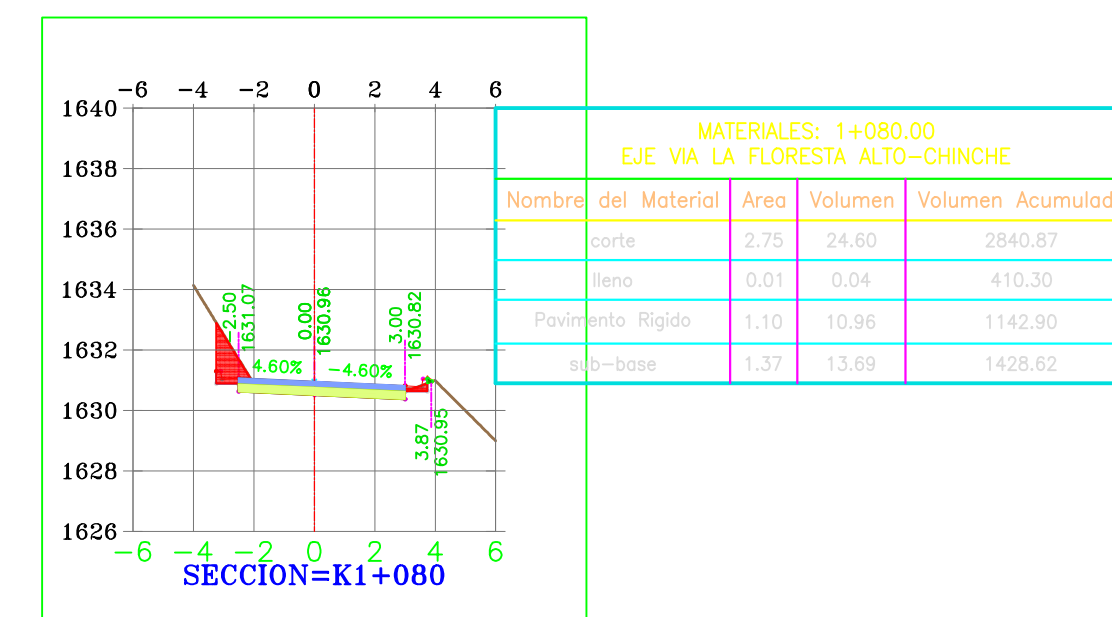
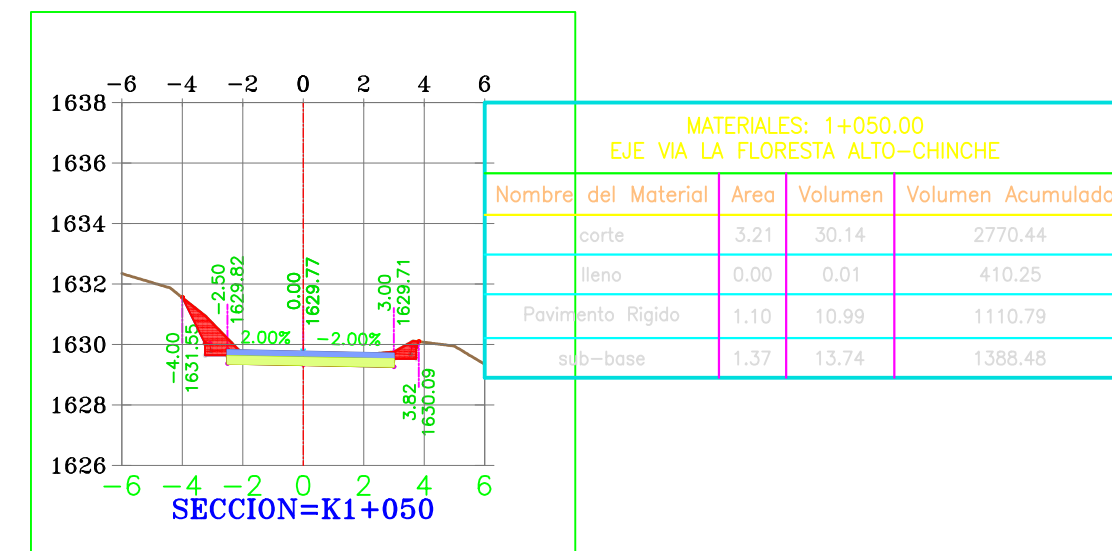
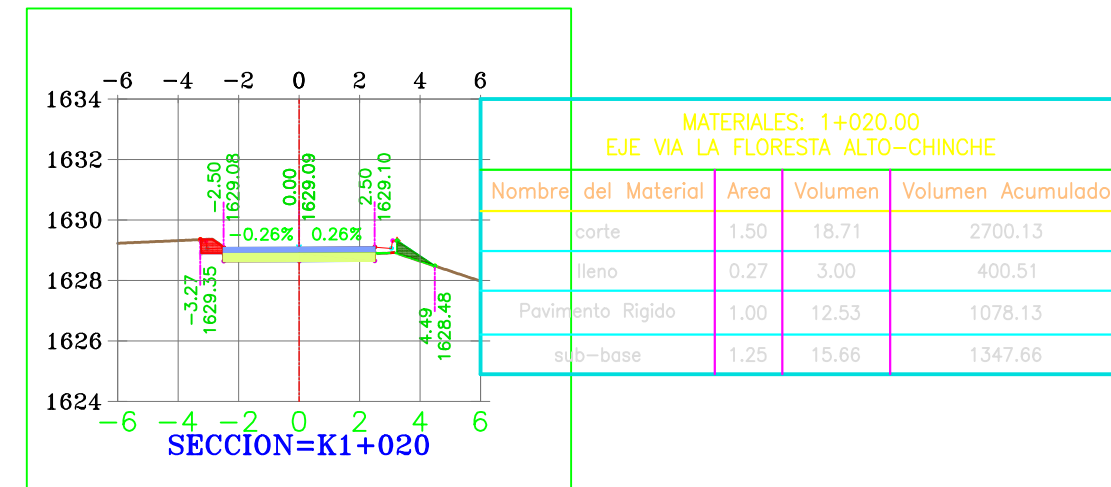
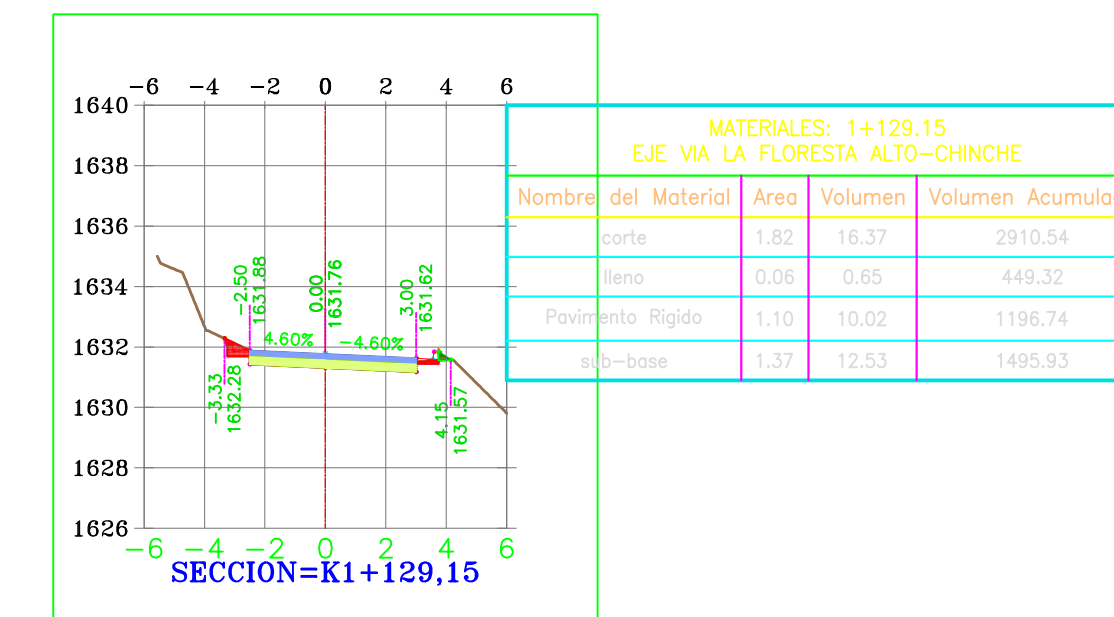
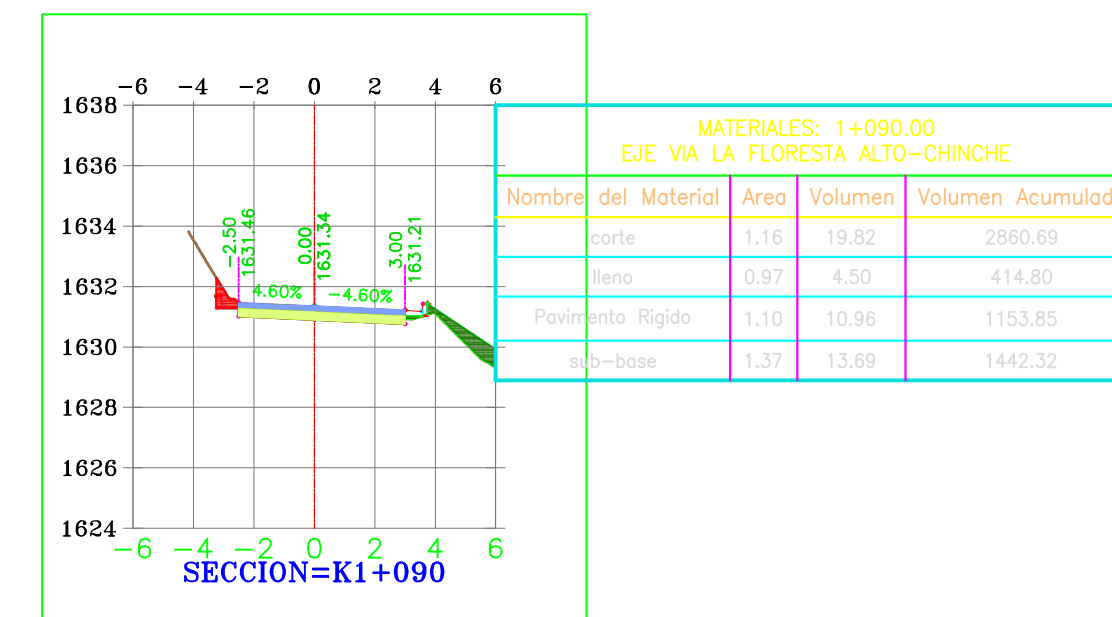
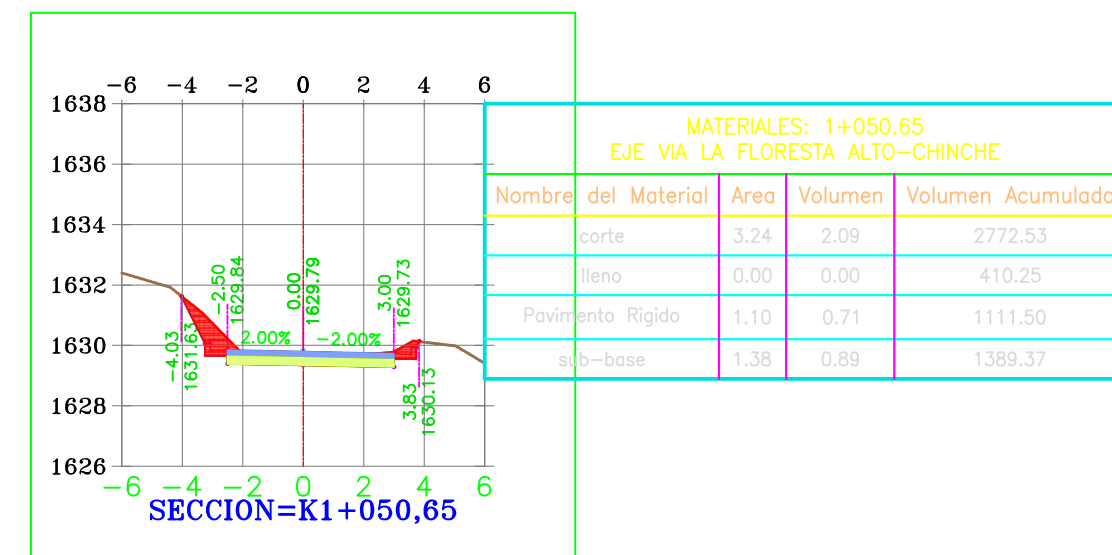
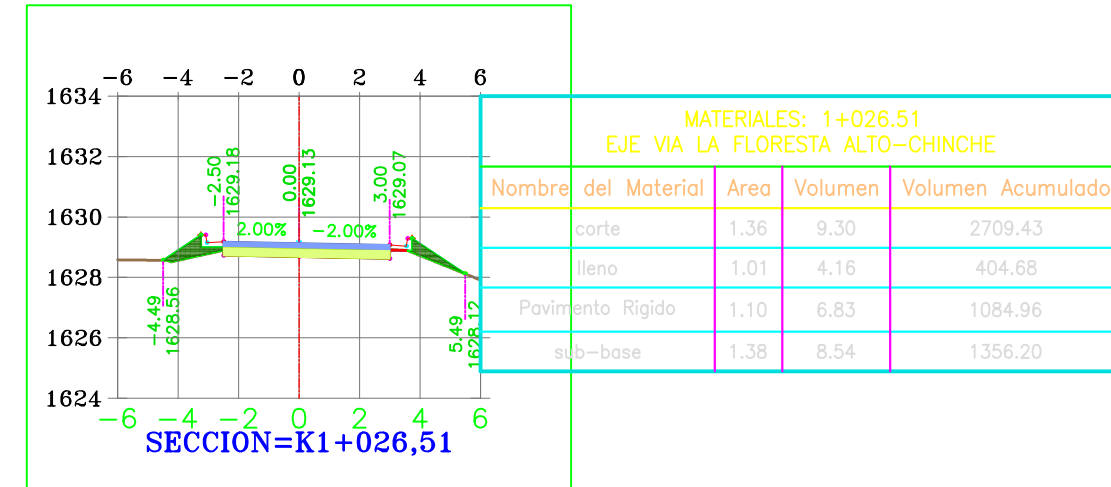
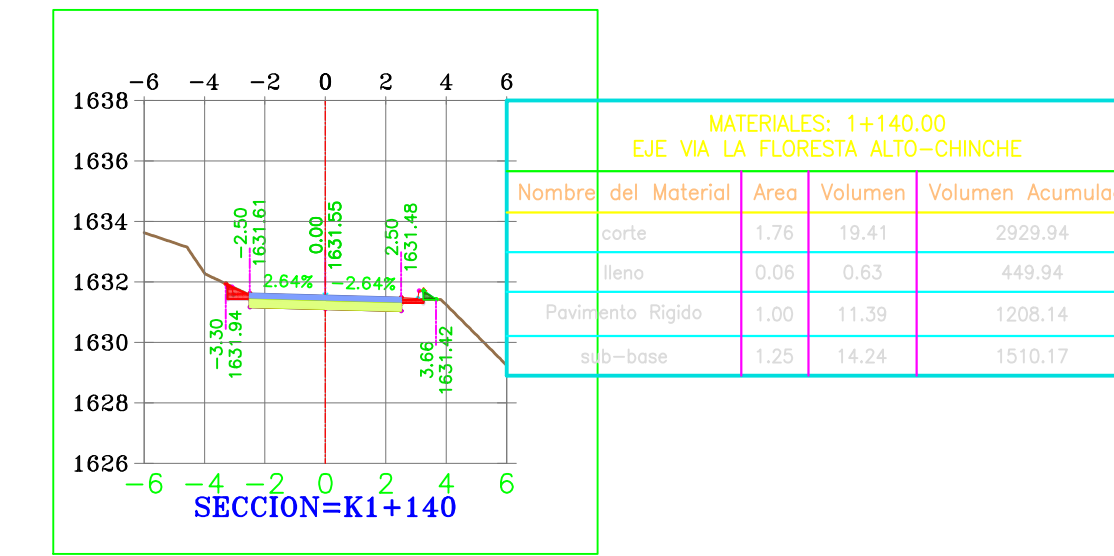
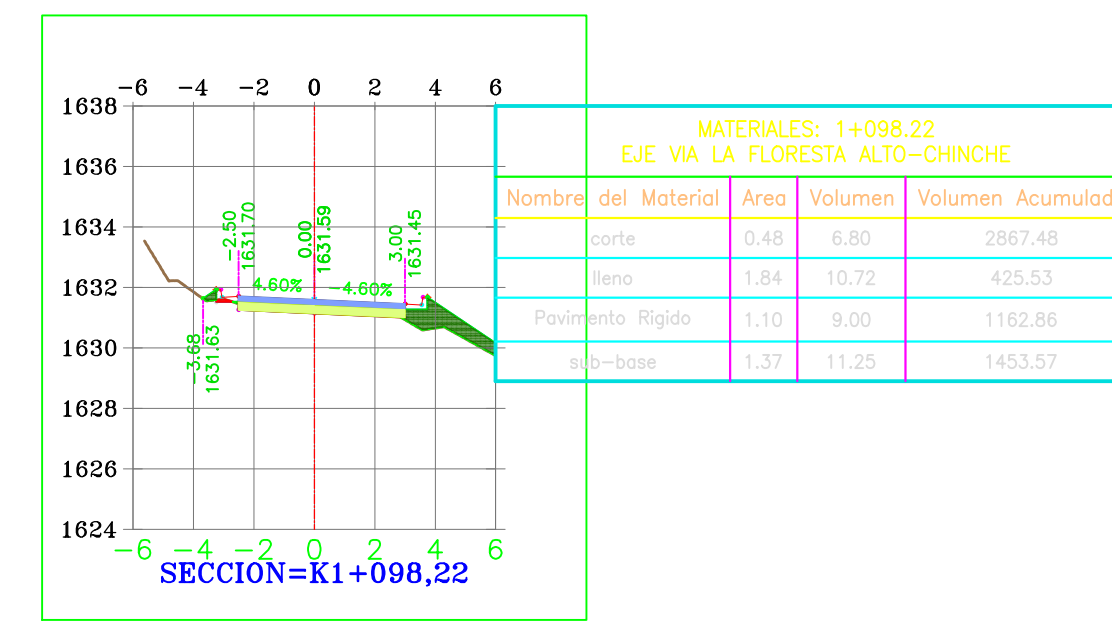
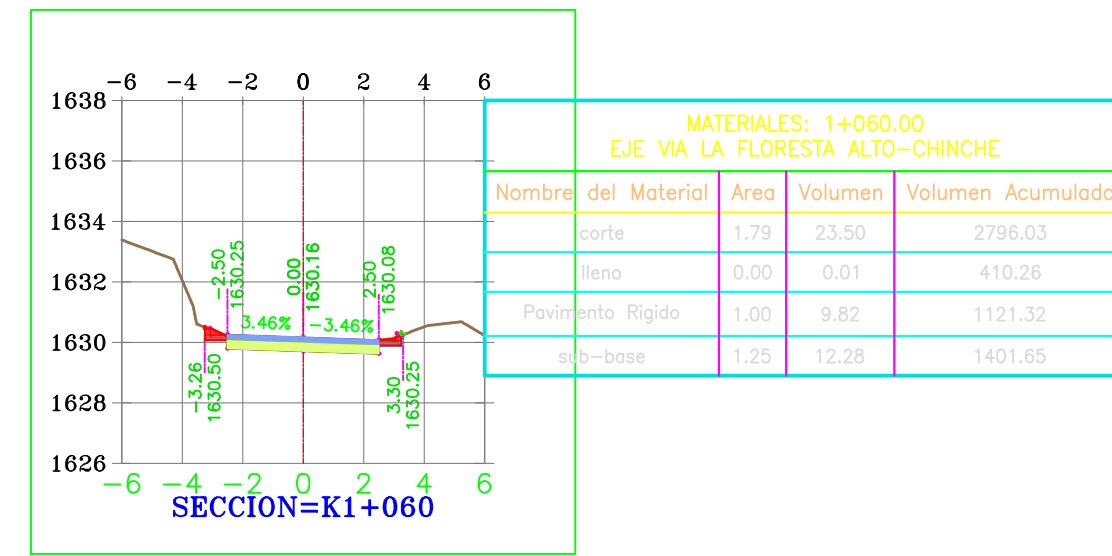
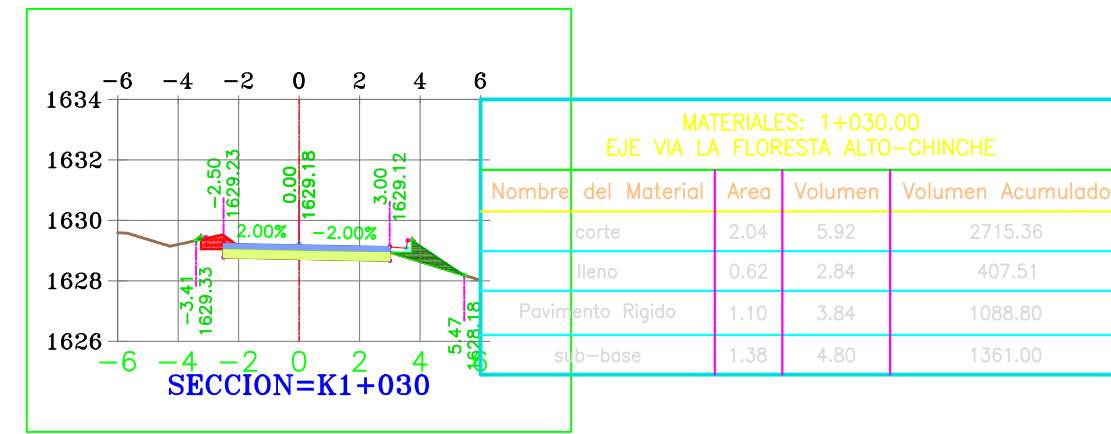
FECHA:  
**SEPTIEMBRE 2018**

ESCALA:  
**H1:250 V1:250**

PLANO:  
**3/12**







PROYECTO:  
MEJORAMIENTO VIA TERCIARIA QUE CONDUCE DE LA MEJORANA AL ALTO EL CHINCHE Y CORDOBITAS DEL CGTO DEL DORADO MPIO DE YOTOCO VALLE DEL CAUCA

CONTIENE:  
DISEÑO GEOMETRICO  
SECCIONES  
K1+002 A K1+140  
TRAMO 3

LOCALIZACIÓN:  
CORREGIMIENTO EL DORADO  
MUNICIPIO DE YOTOCO  
VALLE DEL CAUCA

LEVANTO:  
Jose Ramiro Penilla  
JOSE RAMIRO PENILLA  
TOPOGRAFO

PROCESO:  
FERNANDO CORDOBA  
INGENIERO CIVIL

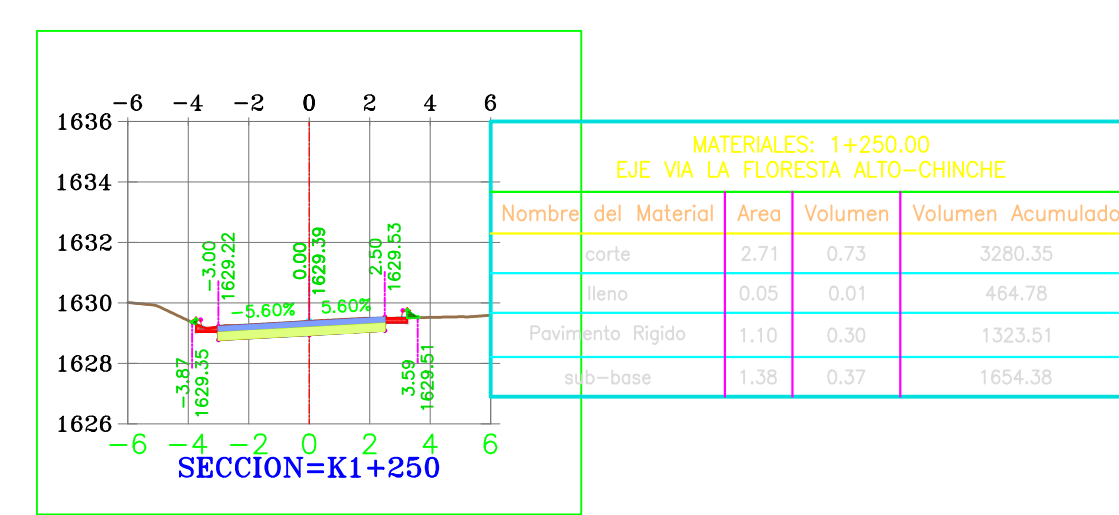
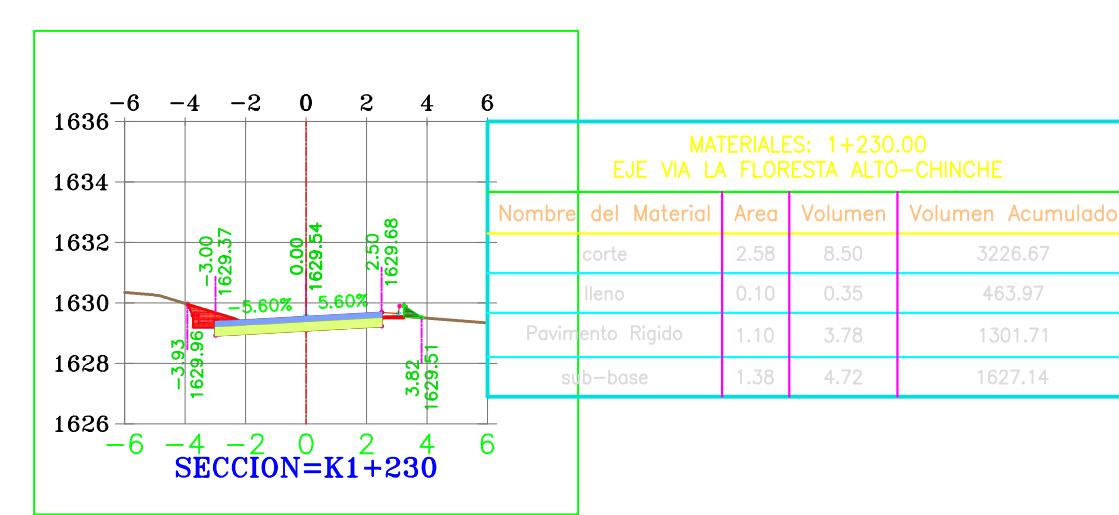
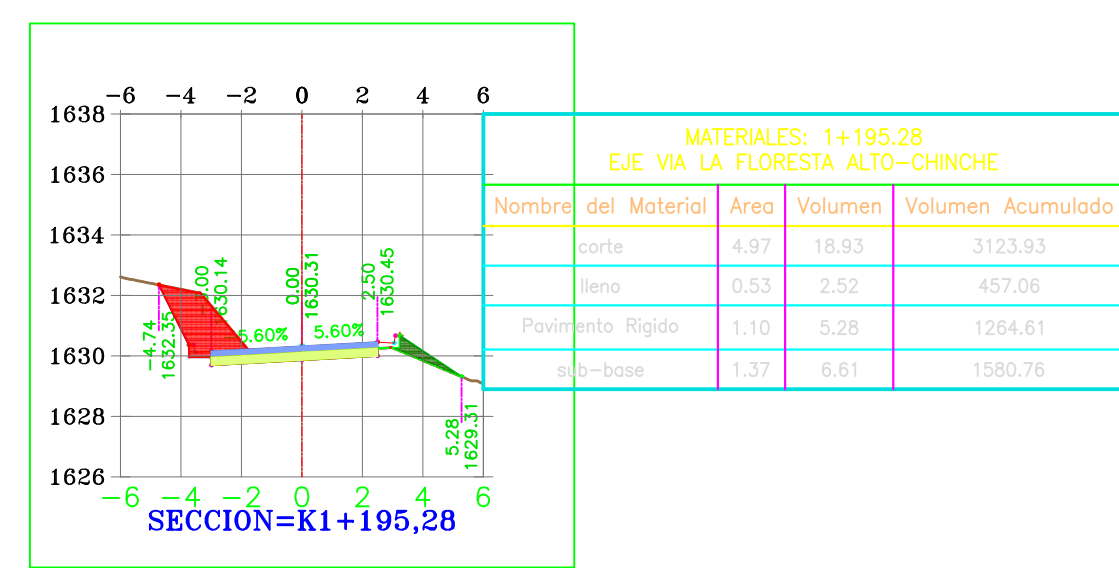
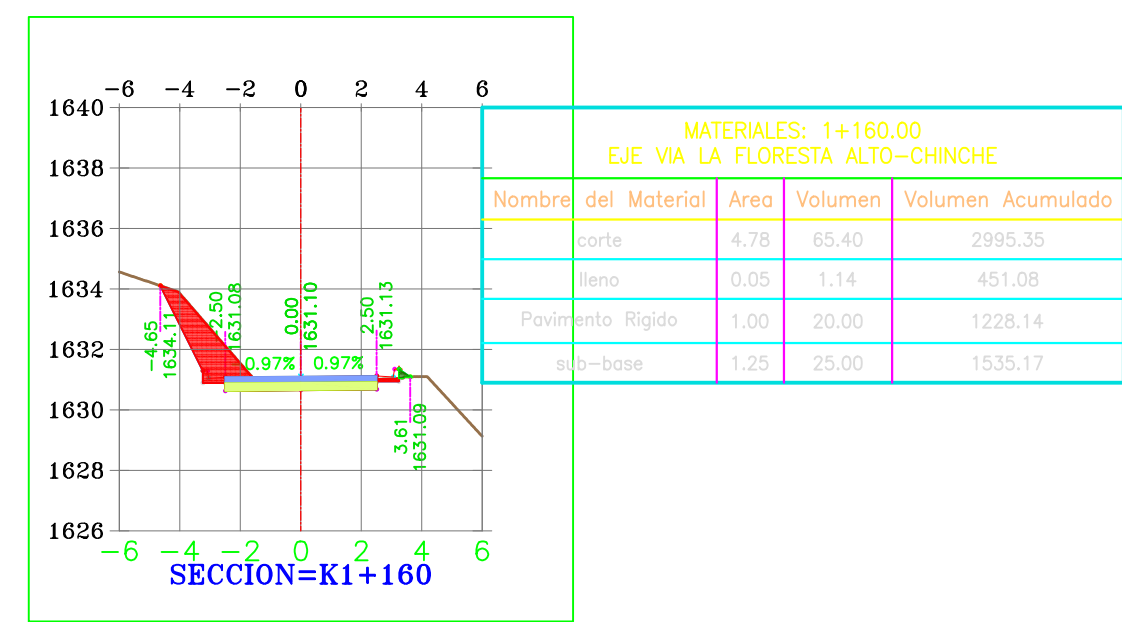
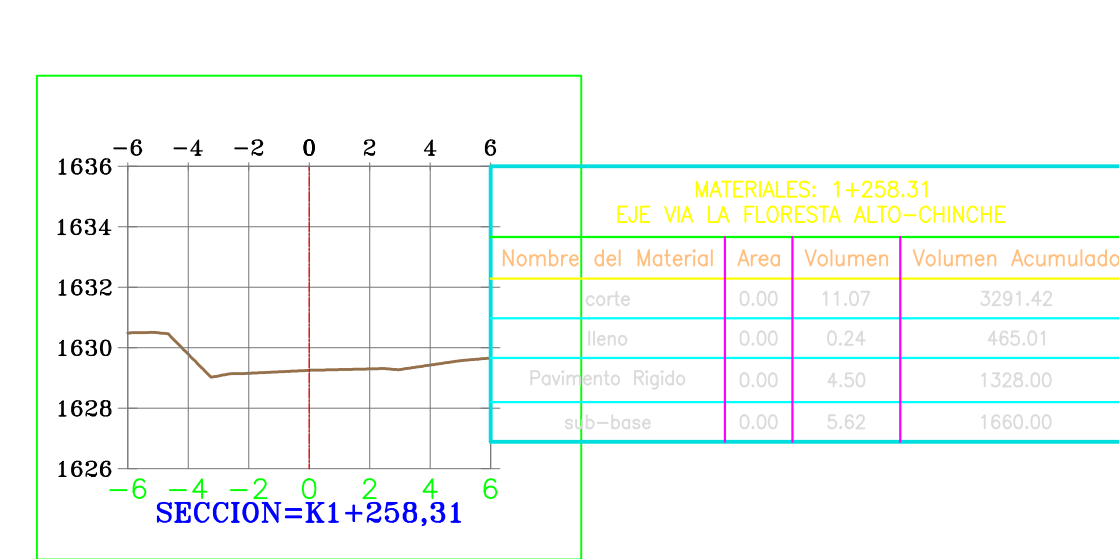
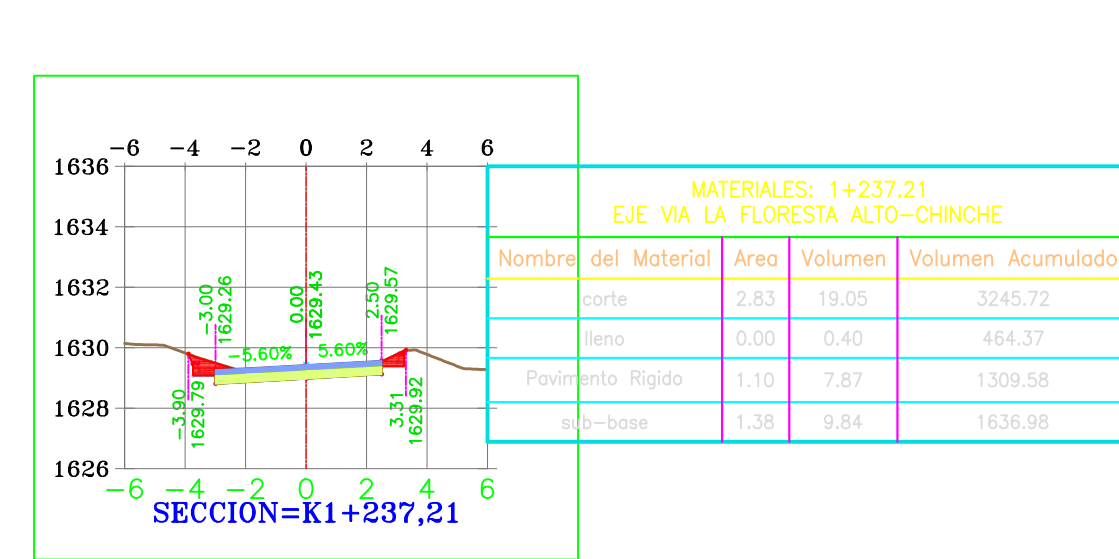
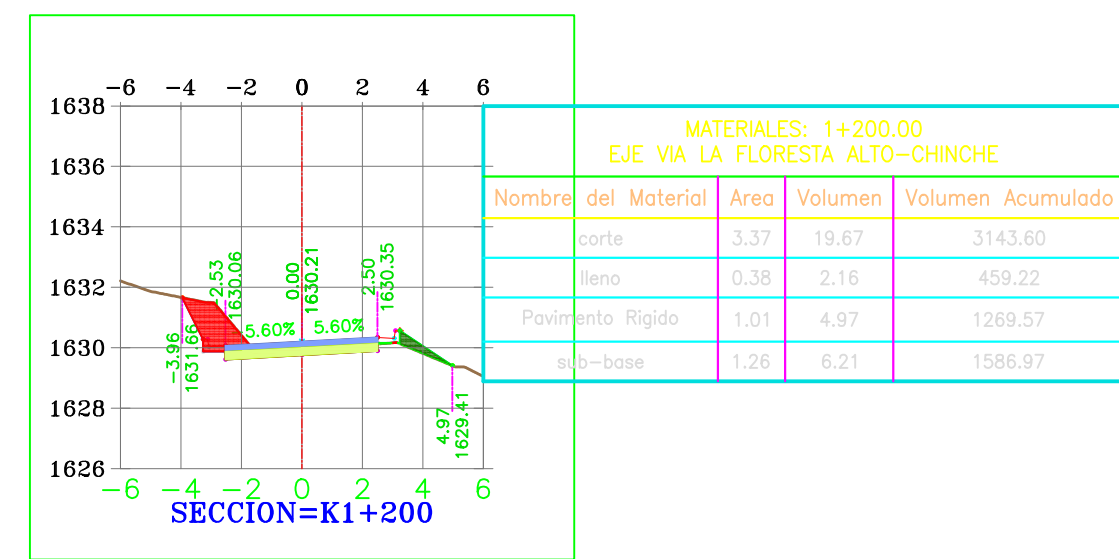
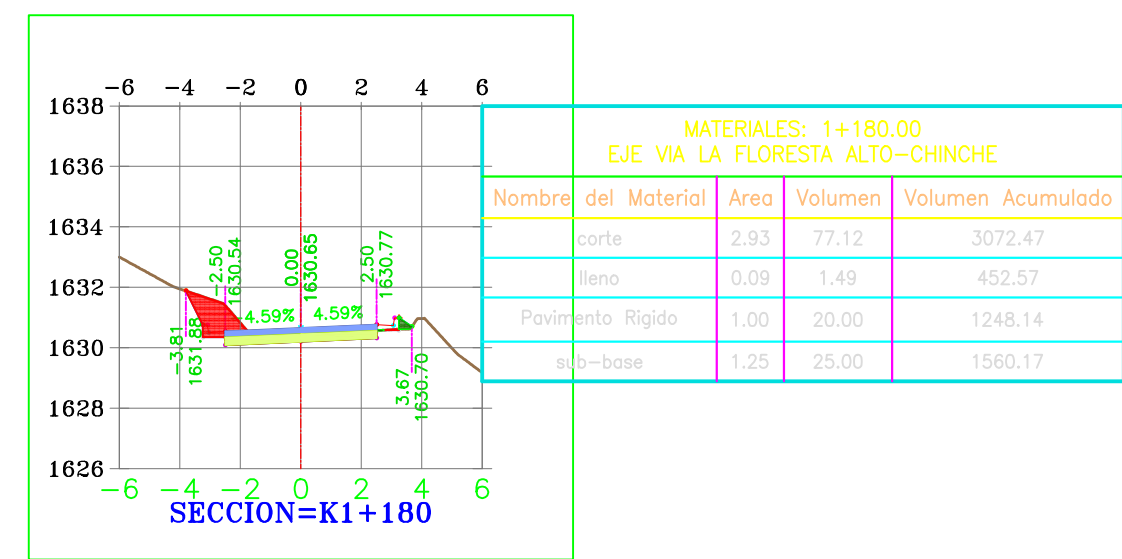
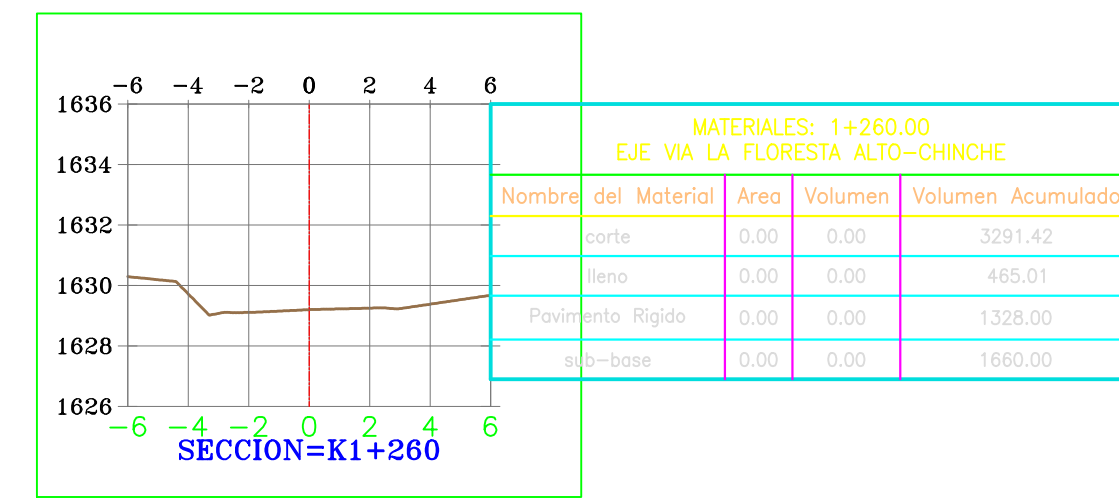
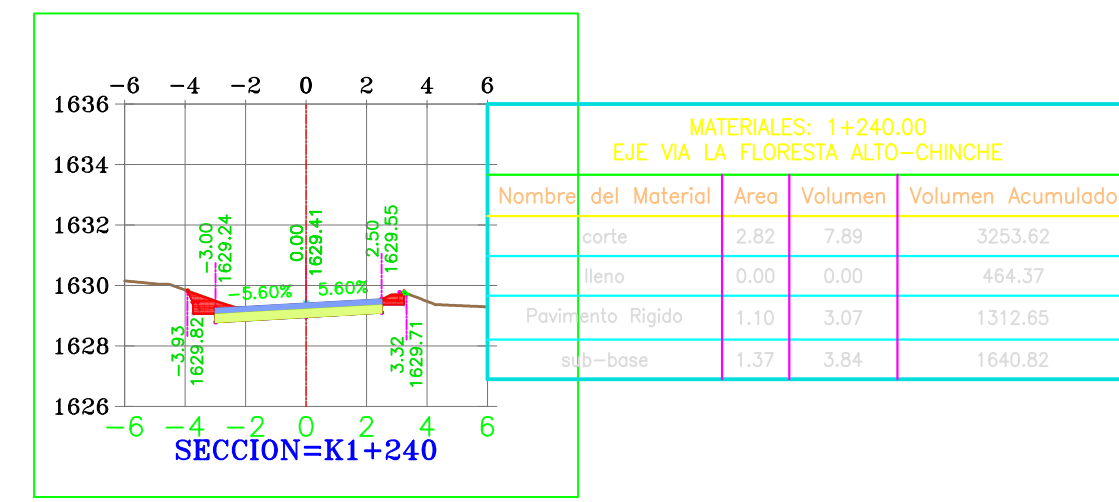
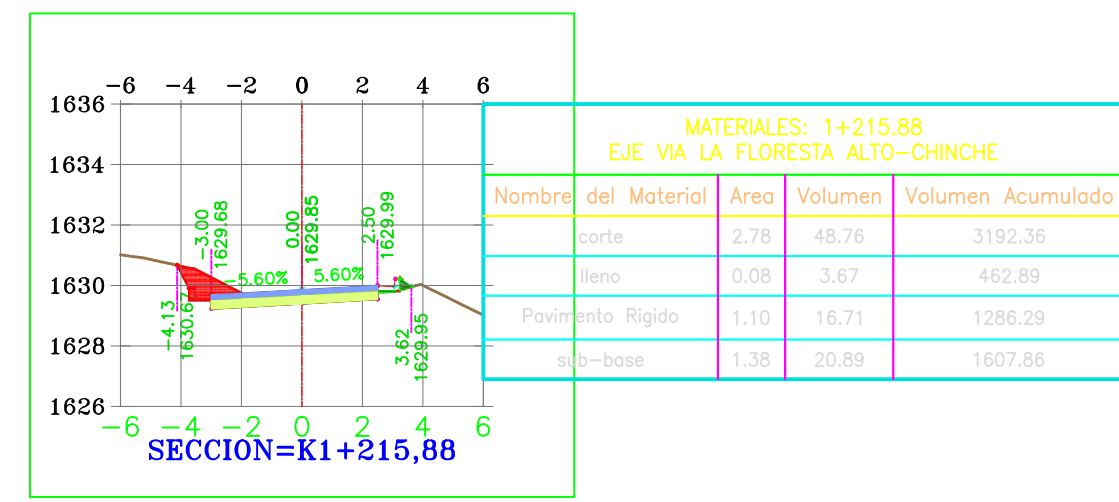
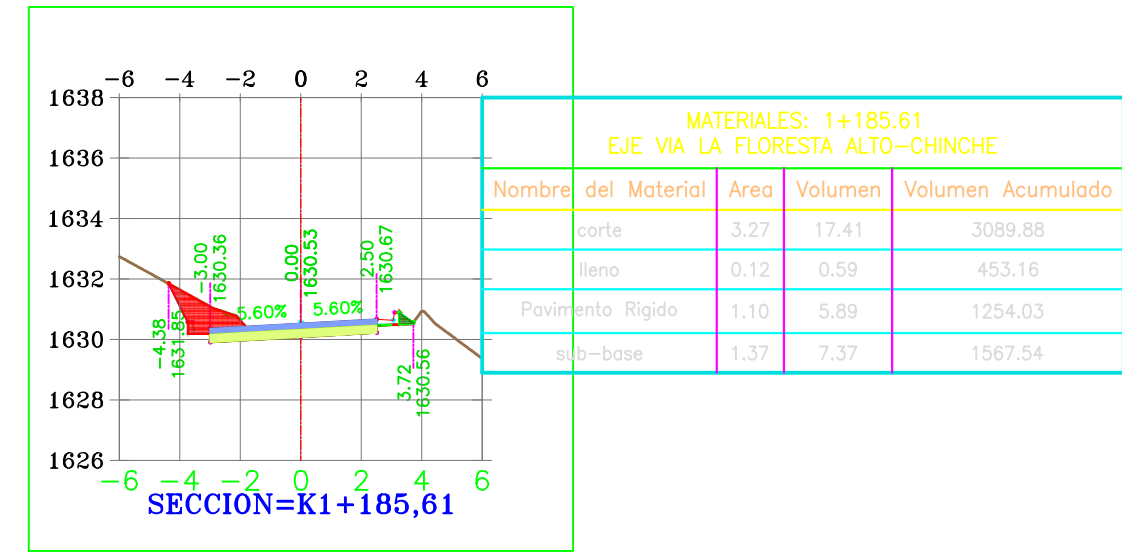
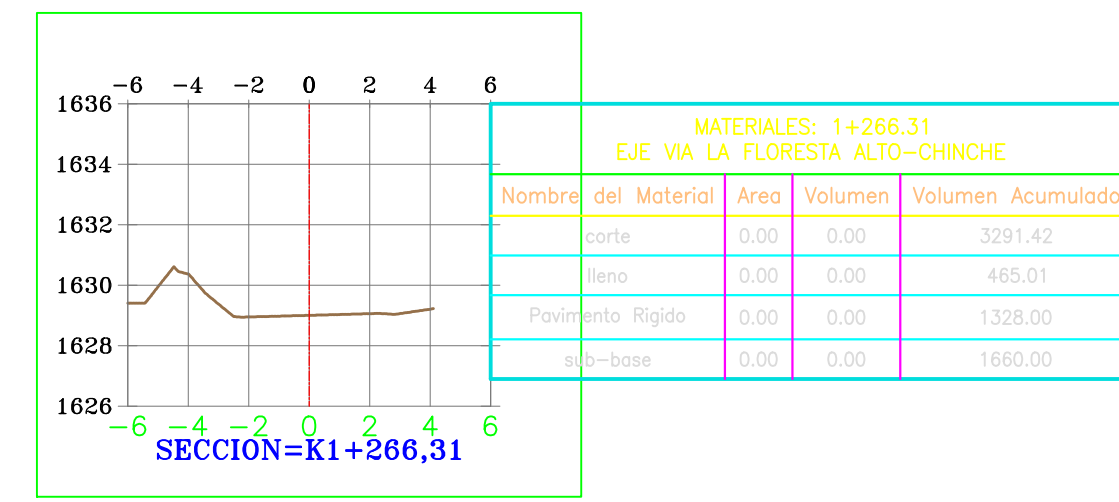
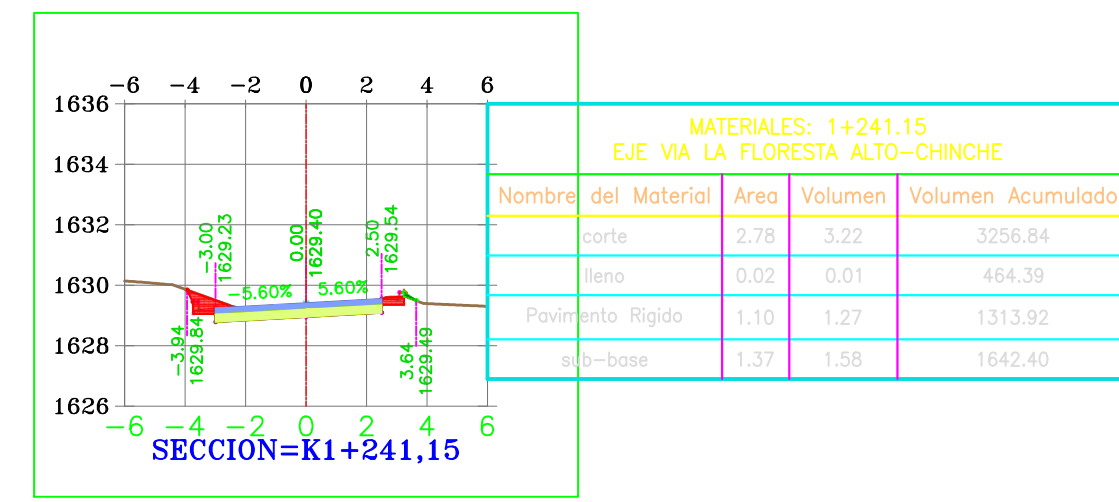
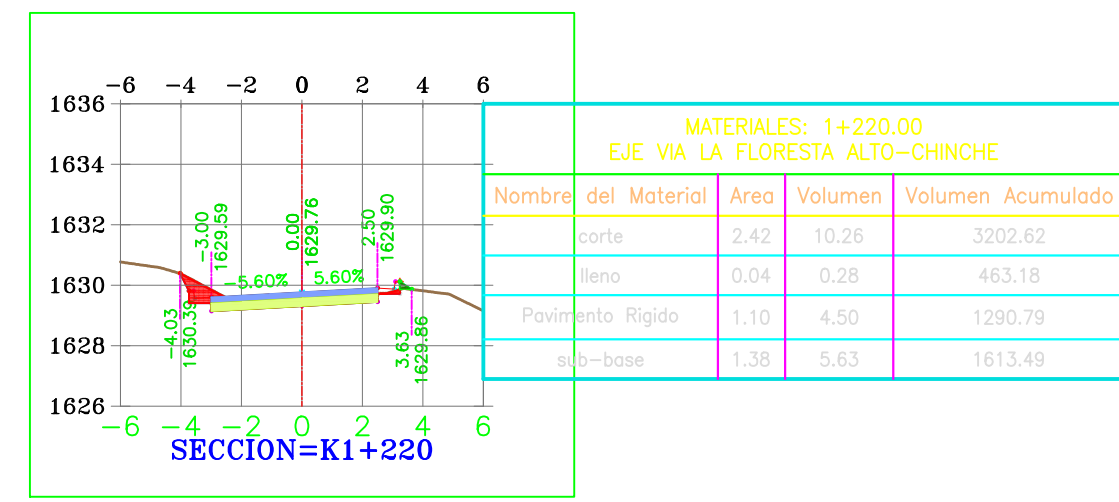
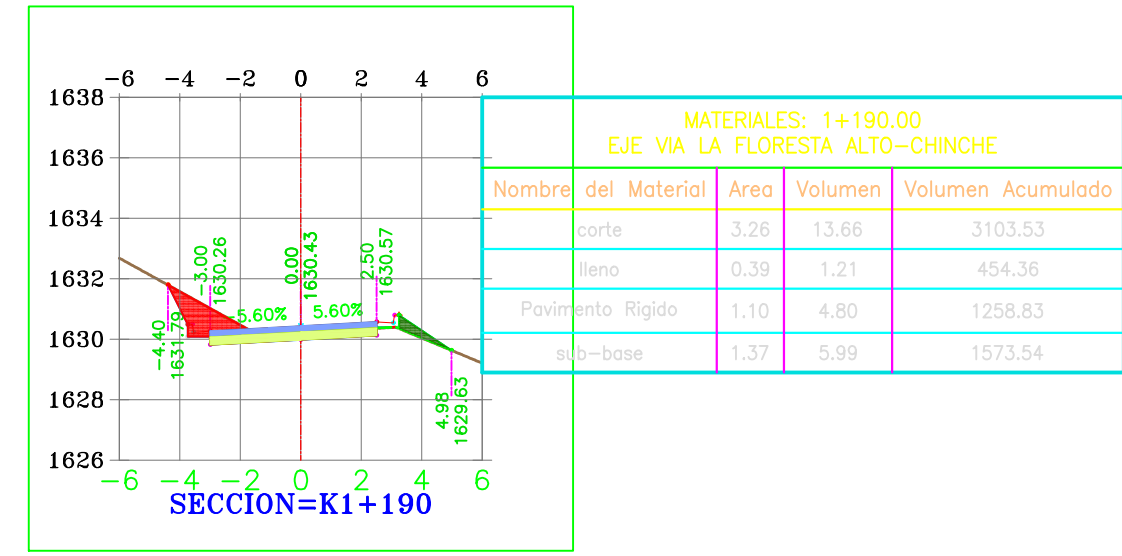
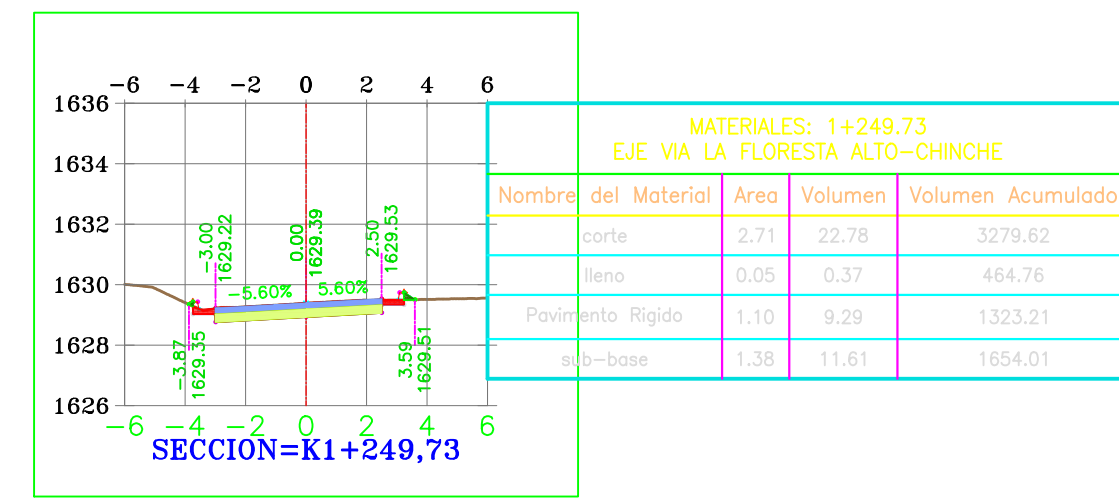
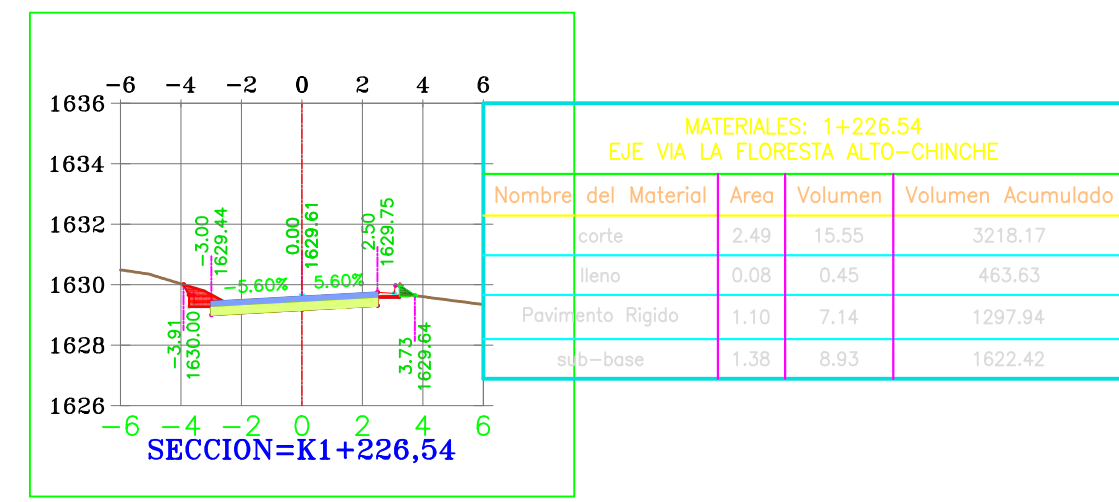
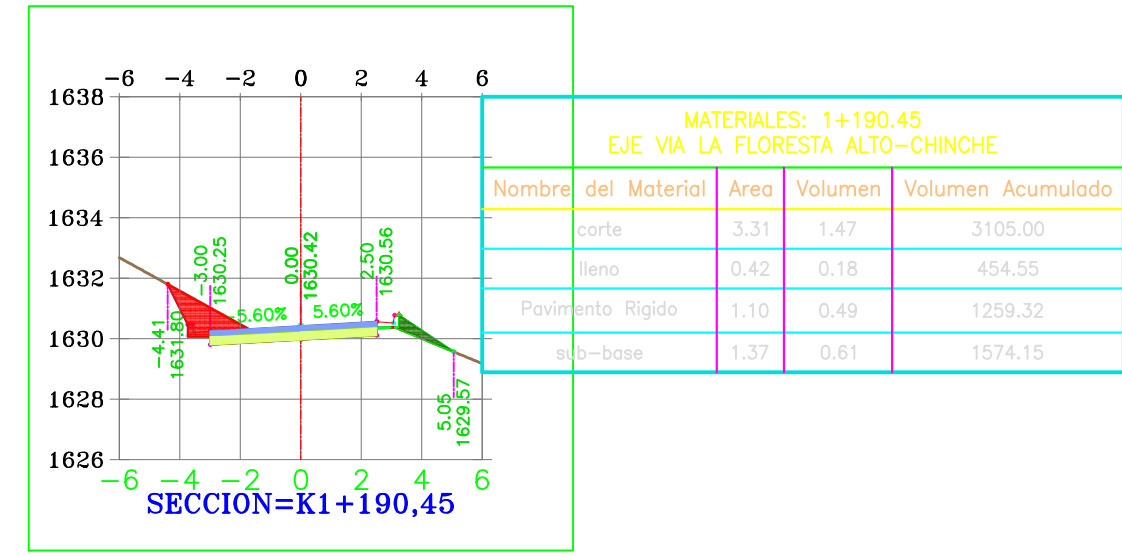
DIBUJO:  
CONGRESUELOS

OBSERVACIONES:

FECHA:  
SEPTIEMBRE 2018

ESCALA:  
H1:250  
V1:250

PLANO:  
10  
12



PROYECTO:  
**MEJORAMIENTO VIA TERCIARIA QUE CONDUCE DE LA MEJORANA AL ALTO EL CHINCHE Y CORDOBITAS DEL CGTO DEL DORADO MCPIO DE YOTOCO VALLE DEL CAUCA**

CONTIENE:  
**DISEÑO GEOMETRICO SECCIONES K1+160 A K1+250 TRAMO 3**

LOCALIZACIÓN:  
**CORREGIMIENTO EL DORADO MUNICIPIO DE YOTOCO VALLE DEL CAUCA**

LEVANTO:  
*Jose Ramiro Penilla*  
**JOSE RAMIRO PENILLA TOPOGRAFO**

PROCESO:  
*Fernando Cordoba*  
**FERNANDO CORDOBA INGENIERO CIVIL**

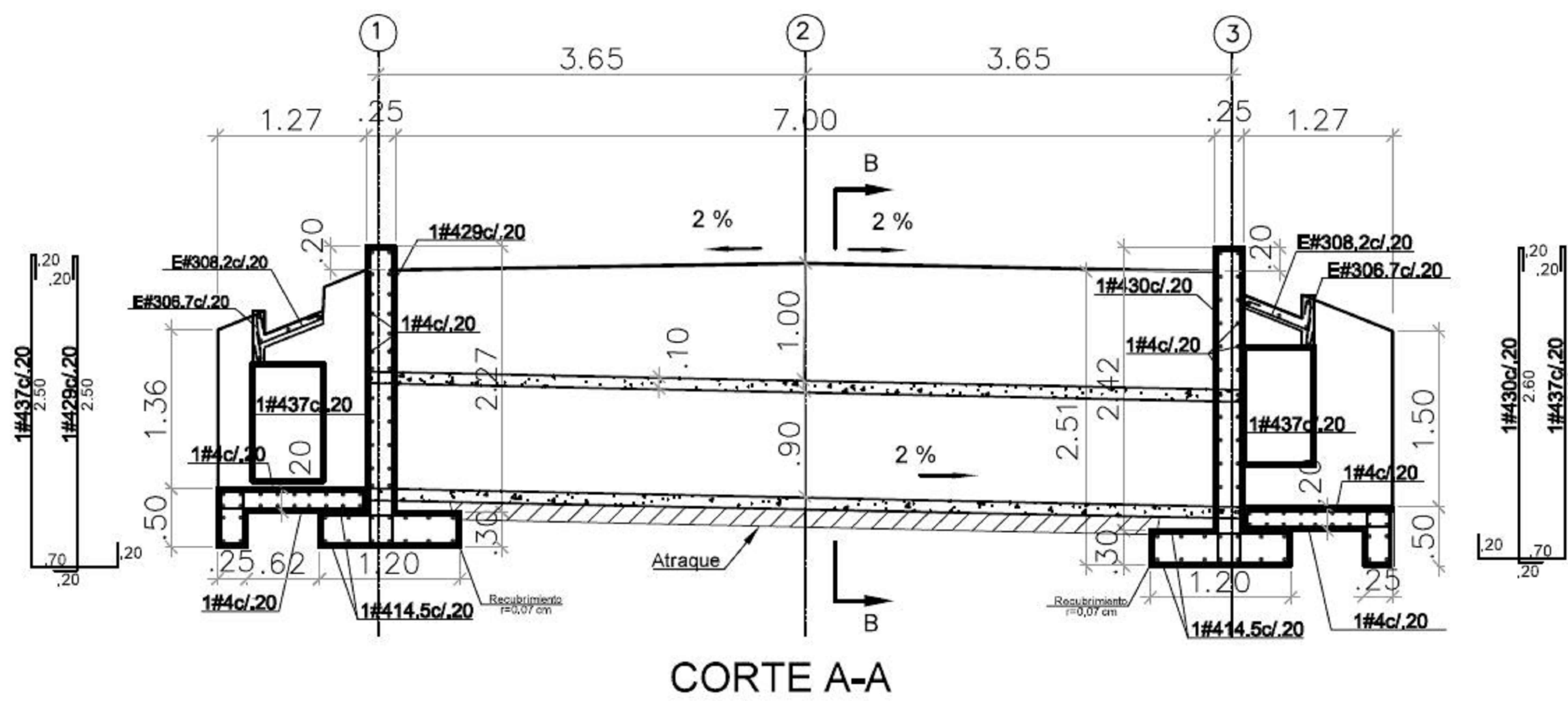
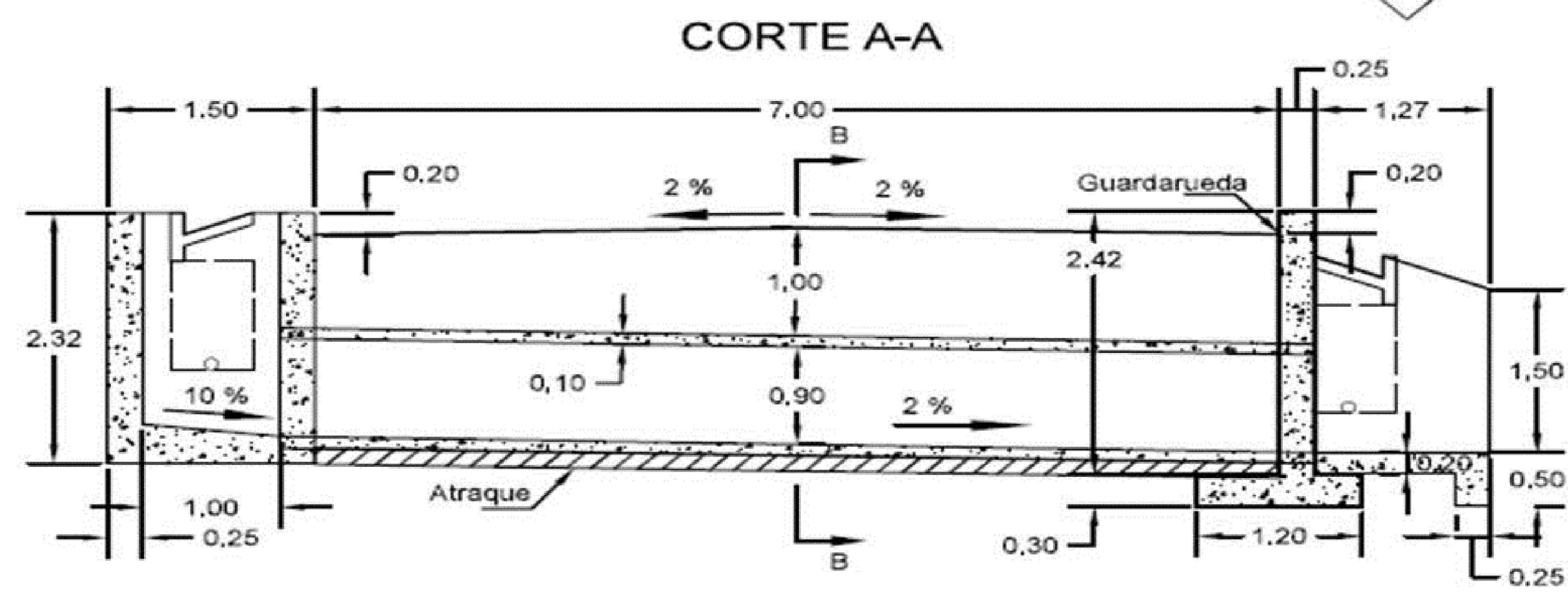
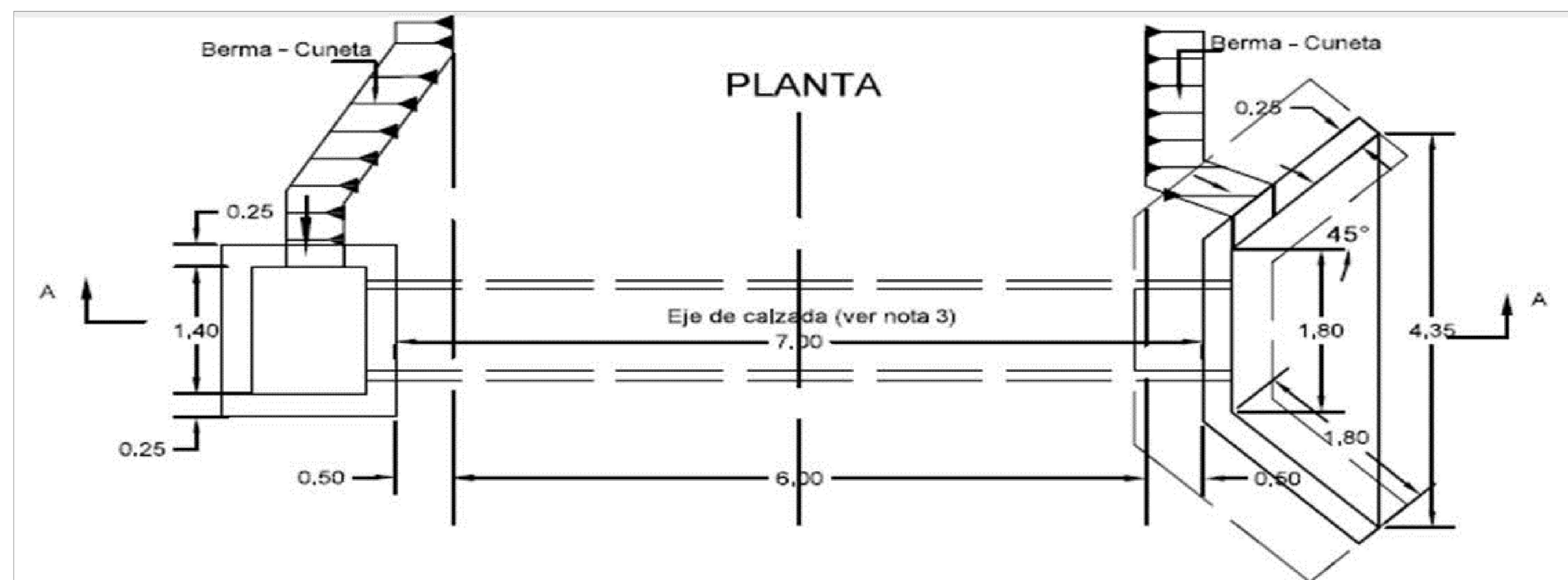
DIBUJO:  
**CONGRESUELOS**

OBSERVACIONES:

FECHA:  
**SEPTIEMBRE 2018**

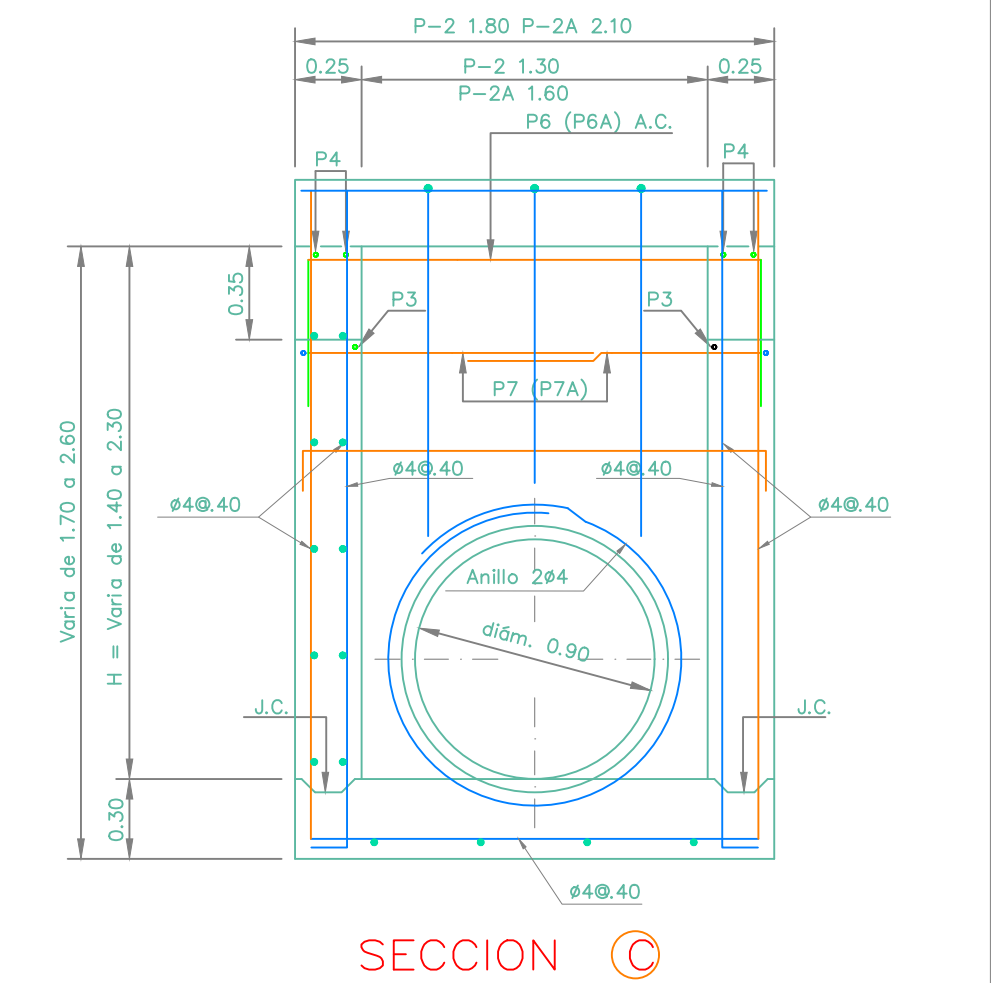
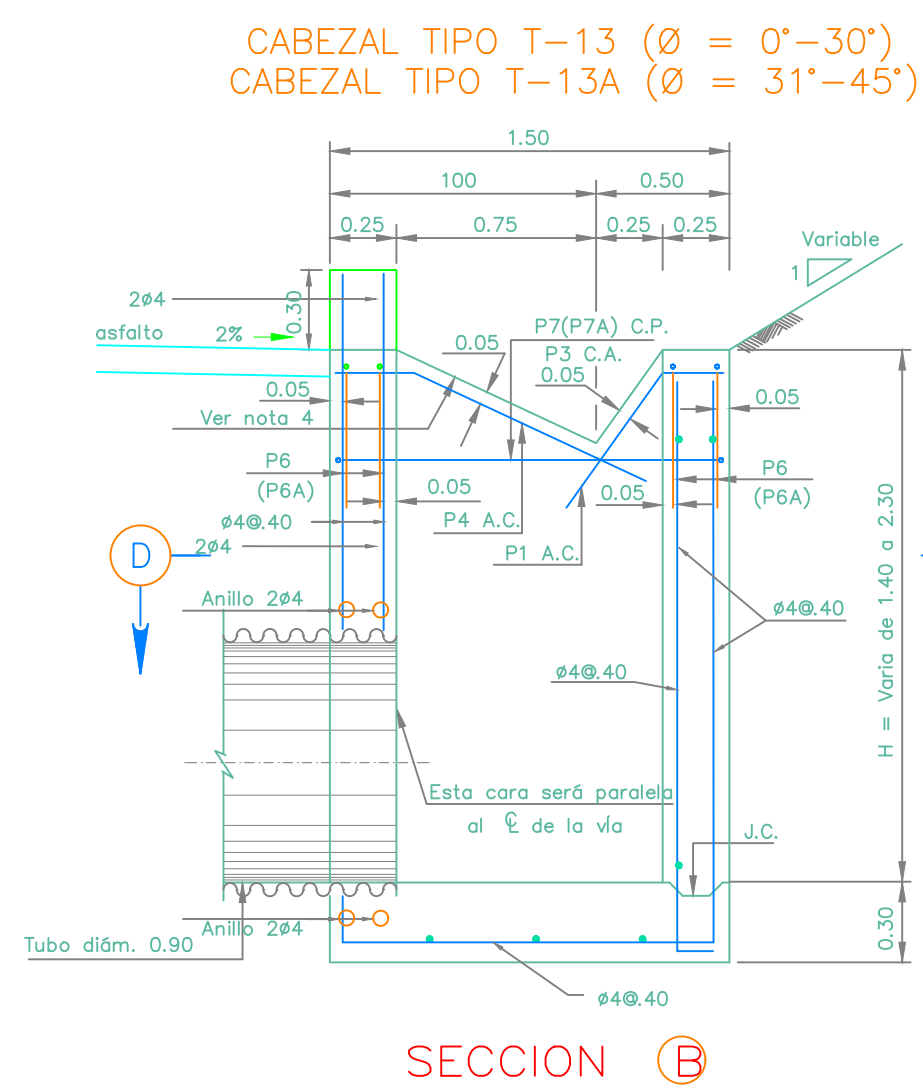
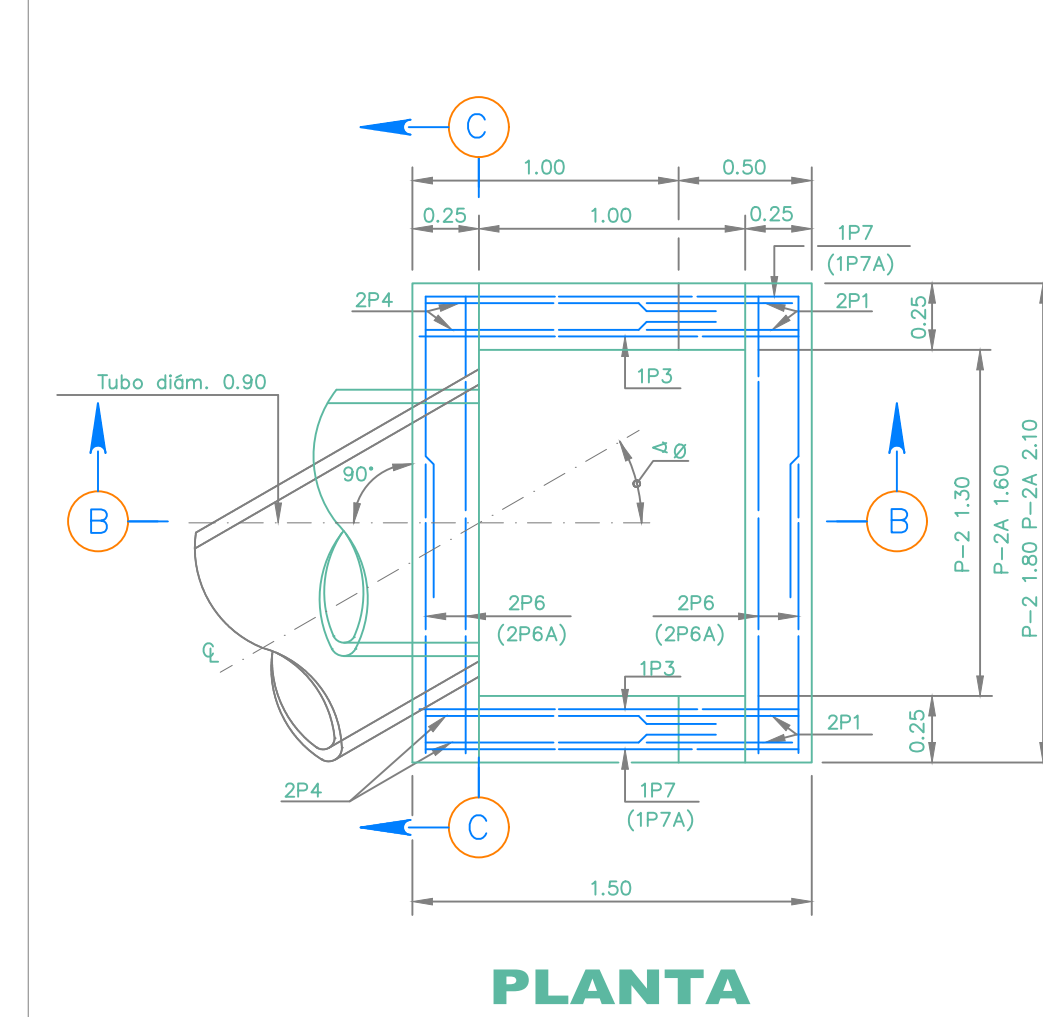
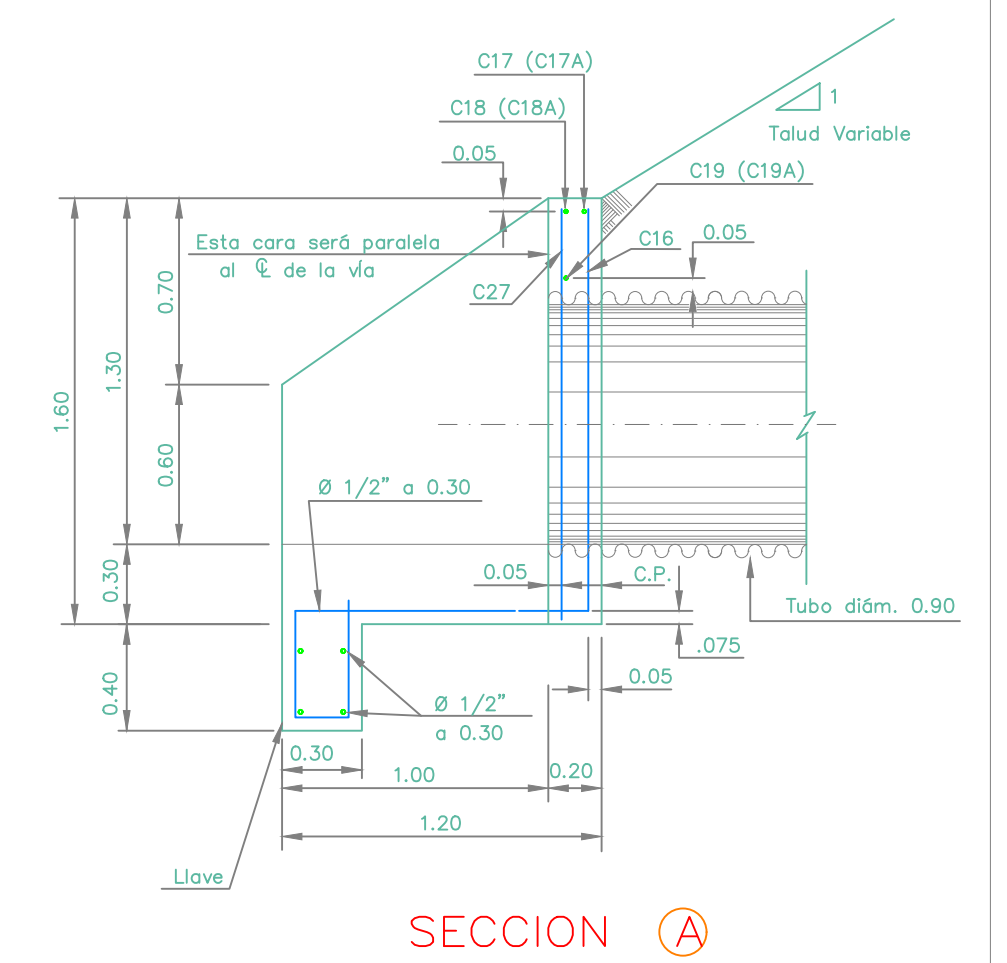
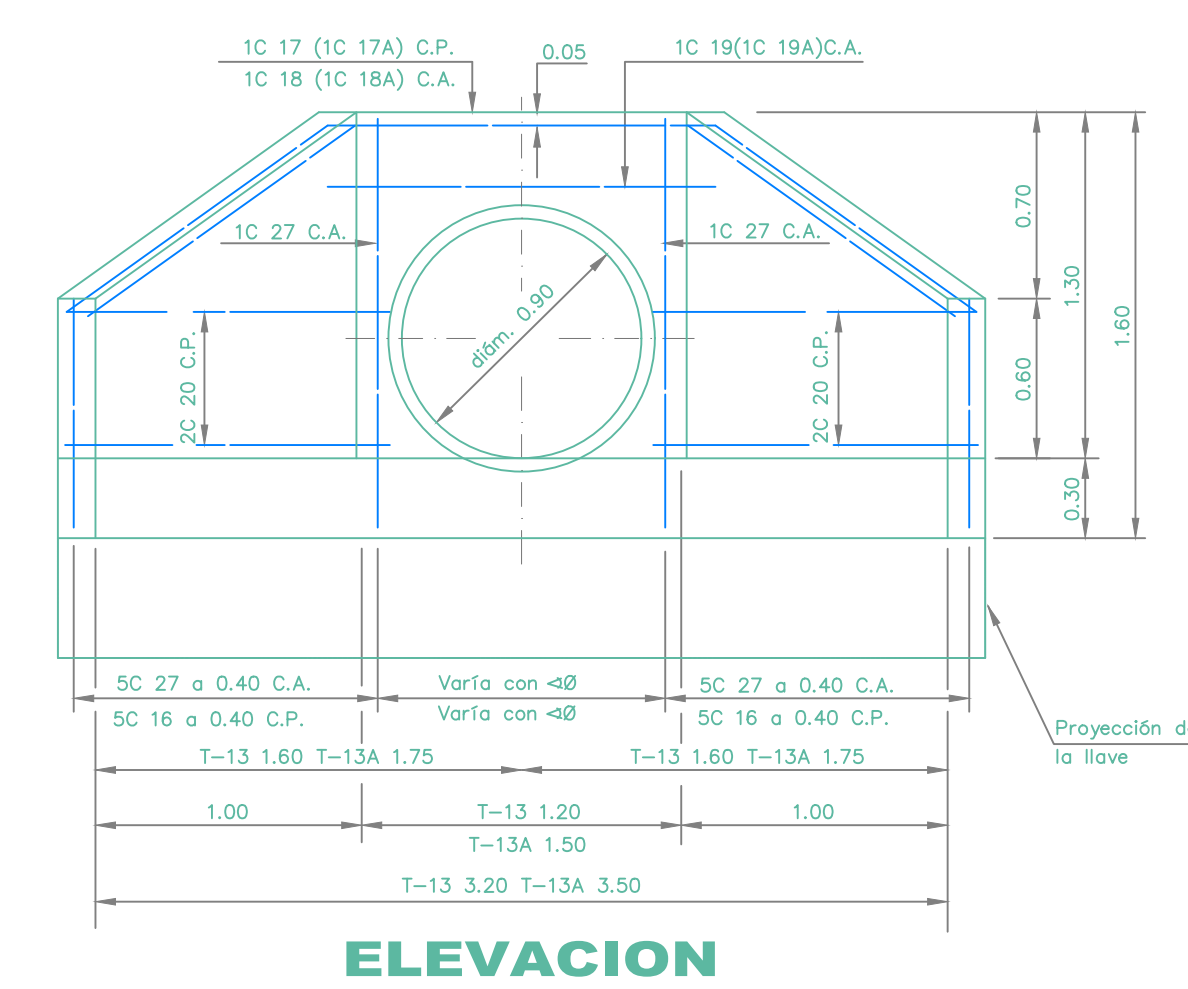
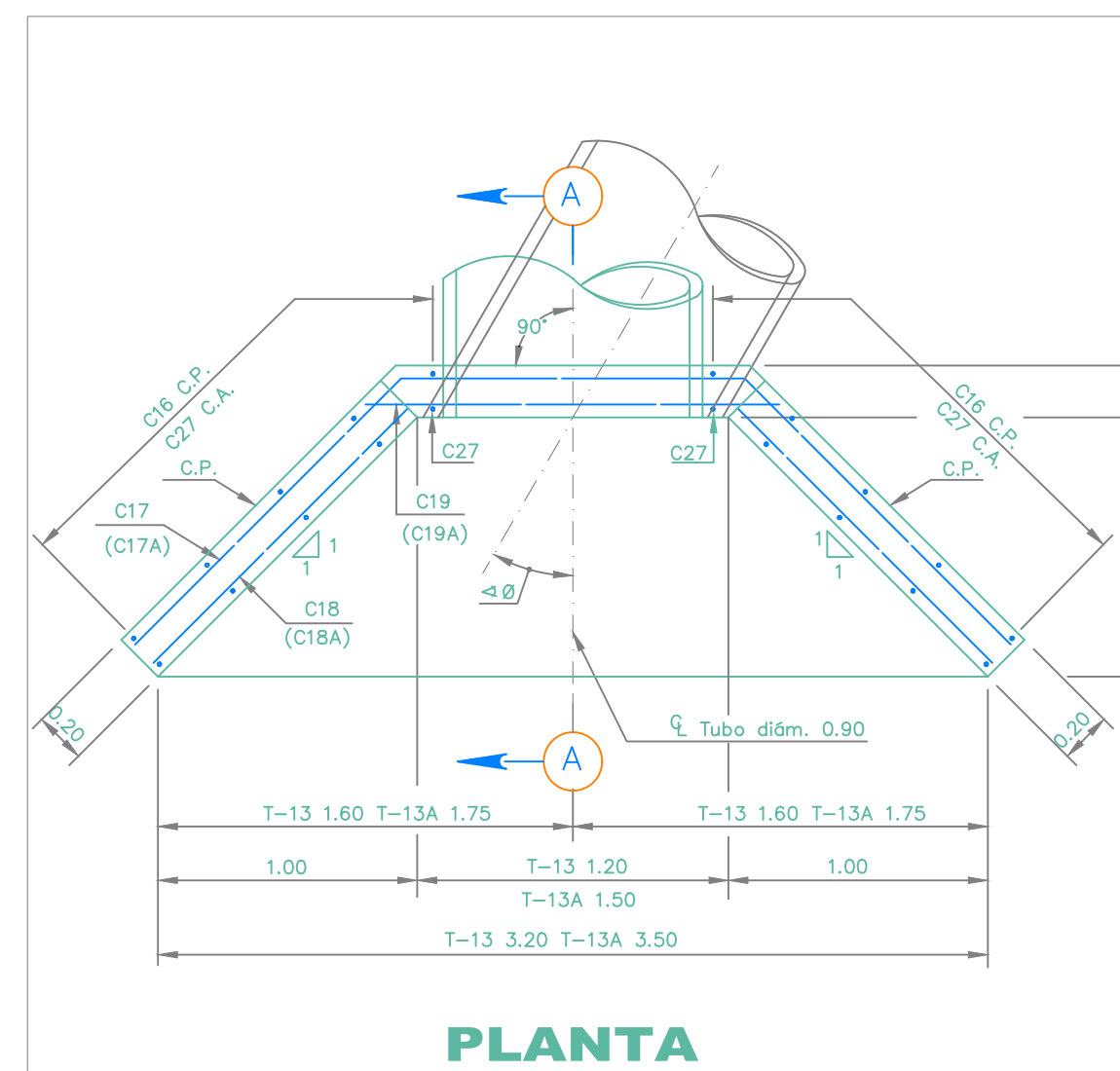
ESCALA:  
**K1:250 V1:250**

PLANO:  
**11/12**



DETALLE ALCANTARILLAS A CONSTRUIR Esc. SIN

| TRAMO 3       |     |          | COORDENADAS           |                       |
|---------------|-----|----------|-----------------------|-----------------------|
| ALCANTARILLAS |     |          | NORTE                 | ESTE                  |
| 1             | 36" | 0+200    | NUEVA A CONSTRUIR     | 917756.063 1070292.6  |
| 2             | 36" | 0+402.54 | EXISTENTE A CONSTRUIR | 9179918.99 1070178.28 |
| 3             | 36" | 0+667.88 | EXISTENTE A CONSTRUIR | 918144.27 1070289.76  |
| 4             | 36" | 0+788.06 | EXISTENTE A CONSTRUIR | 918213.41 1070359     |
| 5             | 36" | 0+970    | NUEVA A CONSTRUIR     | 918392.7 1070361.31   |
| 6             | 36" | 1+110    | NUEVA A CONSTRUIR     | 918467.187 1070476.31 |
| 7             | 36" | 1+253.97 | NUEVA A CONSTRUIR     | 918457.966 1070609.82 |



DETALLE ALCANTARILLAS A CONSTRUIR Esc. SIN



MUNICIPIO DE YOTOCO

PROYECTO:  
MEJORAMIENTO VIA TERCERIA QUE  
CONDUCE DE LA MEJORANA AL  
ALTO EL CHINCHE Y CORDOBITAS  
DEL CGTO DEL DORADO MCPIO DE  
YOTOCO VALLE DEL CAUCA

CONTIENE :  
**DETALLE  
ALCANTARILLA  
TRAMO 3**

LOCALIZACIÓN :  
CORREGIMIENTO EL DORADO  
MUNICIPIO DE YOTOCO  
VALLE DEL CAUCA

LEVANTO :  
*Jose Ramiro Penilla*  
**JOSE RAMIRO PENILLA**  
TOPOGRAFO

PROCESO :  
*Fernando Cordoba*  
**FERNANDO CORDOBA**  
INGENIERO CIVIL

DIBUJO :  
**CONGRESUELOS**

OBSERVACIONES :

FECHA :  
SEPTIEMBRE 2018

ESCALA :  
**H1:250  
V1:250**

PLANO :  
**12  
/  
12**