

GEOREFERENCIACION PAVIMENTO PROYECTADO TRAMO 3

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



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:
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

DIBUJO:
CONGRESUELOS

OBSERVACIONES:

FECHA:
SEPTIEMBRE 2018

ESCALA:
SIN ESCALA

PLANO:
1 / 12

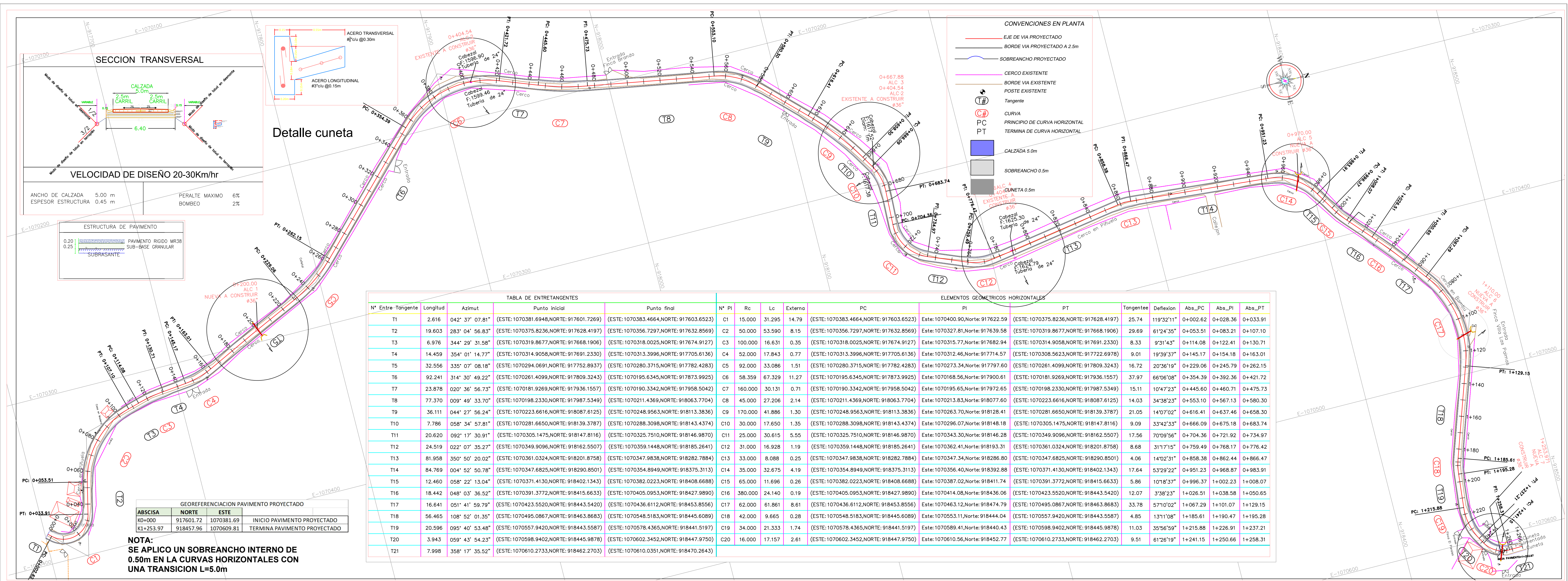


TABLA DE ENTRETANGENTES

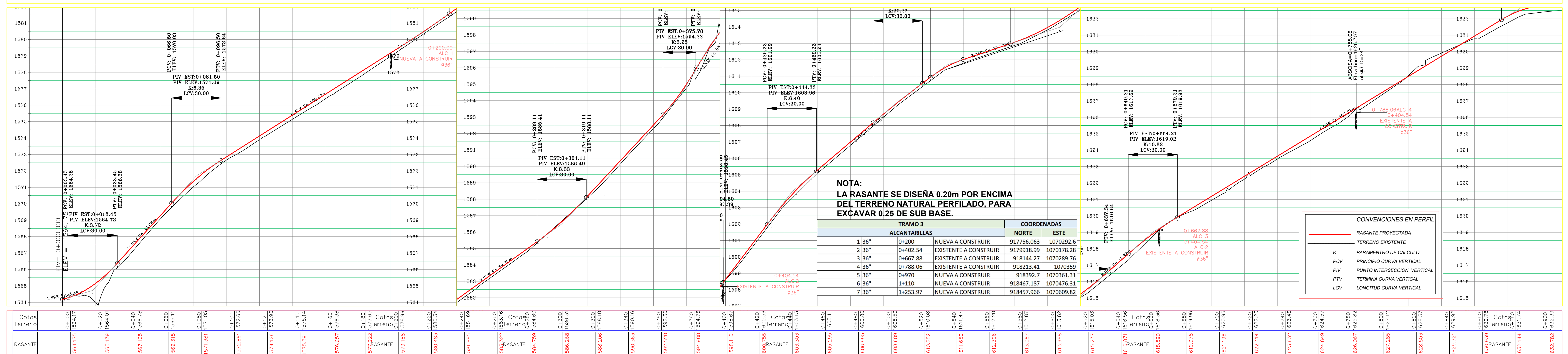
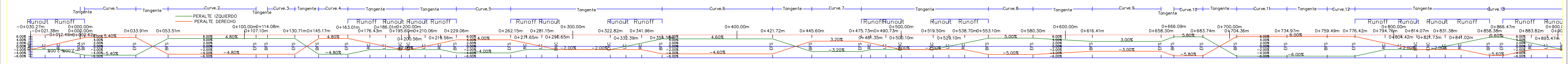
N° Entre Tangente	Longitud	Azmut	Punto inicial	Punto final	N° PI	Rc	Lc	Externa	PC	PI	PT	Tangente	Deflexion	Abs_PC	Abs_PI	Abs_PT
T1	2.616	042° 37' 07.81"	(ESTE: 1070381.6948,NORTE: 917601.7269)	(ESTE: 1070383.4664,NORTE: 917603.6523)	C1	15.000	31.295	14.79	(ESTE: 1070383.4664,NORTE: 917603.6523)	Este: 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+245.79	0+262.15	0+282.15
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: 1070181.9269,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: 1070221.4369,NORTE: 918063.7704)	C8	45.000	27.206	2.14	(ESTE: 1070221.4369,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° 07' 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: 1070361.0324,NORTE: 918201.8758)	(ESTE: 1070347.9838,NORTE: 918282.7884)	C13	33.000	8.088	0.25	(ESTE: 1070347.9838,NORTE: 918282.7884)	Este: 1070347.34,Norte: 918286.80	(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: 918290.8501)	(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	68.000	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	049° 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: 918443.5420)	12.07	3°38'23"	1+026.51	1+038.58	1+050.65
T17	16.641	051° 41' 59.79"	(ESTE: 1070423.5520,NORTE: 918443.5420)	(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+101.07	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+221.91	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	INICIO PAVIMENTO PROYECTADO	TERMINA PAVIMENTO PROYECTADO
K0+000	917601.72	1070381.69		
K1+253.97	918457.96	1070609.81		

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

Superelevation



<p>MUNICIPIO DE YOTOCO</p>	<p>PROYECTO: MEJORAMIENTO VIA TERCIARIA QUE CONDUCE DE LA MEJORA AL ALTO EL CHINCHÉ Y CORDOBITAS DEL CGTO DEL DORADO MCPIO DE YOTOCO VALLE DEL CAUCA</p>	<p>CONTIENE: DISENO GEOMETRICO PLANTA-PERFIL K0+000 A K0+900 TRAMO 3</p>	<p>LOCALIZACION: CORREGIMIENTO EL DORADO MUNICIPIO DE YOTOCO VALLE DEL CAUCA</p>	<p>LEVANTO: JOSE RAMIRO PENILLA TOPOGRAFO</p>	<p>PROCESO: FERNANDO CORDOBA INGENIERO CIVIL</p>	<p>DIBUJO: CONGRESUELOS</p>	<p>OBSERVACIONES:</p>	<p>FECHA: SEPTIEMBRE 2018</p>	<p>PLANO: 2 / 12</p>
	<p>ESCALA: H1:1000 V1:100</p>								

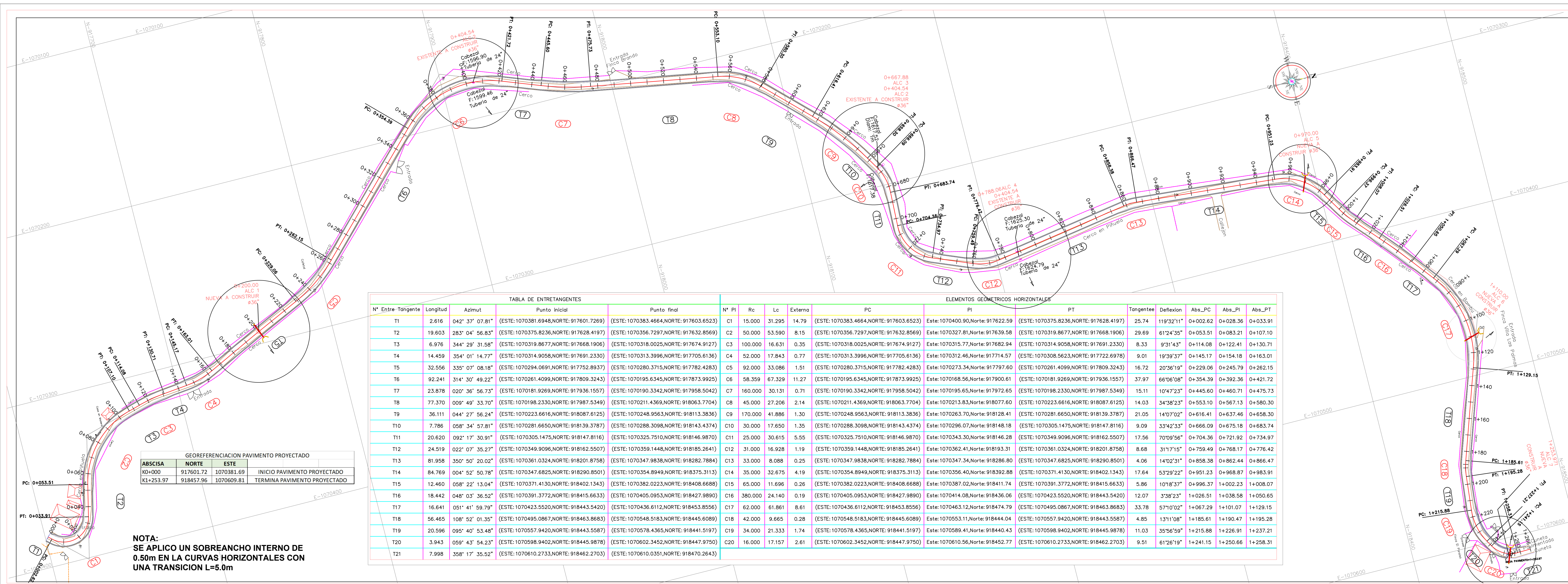
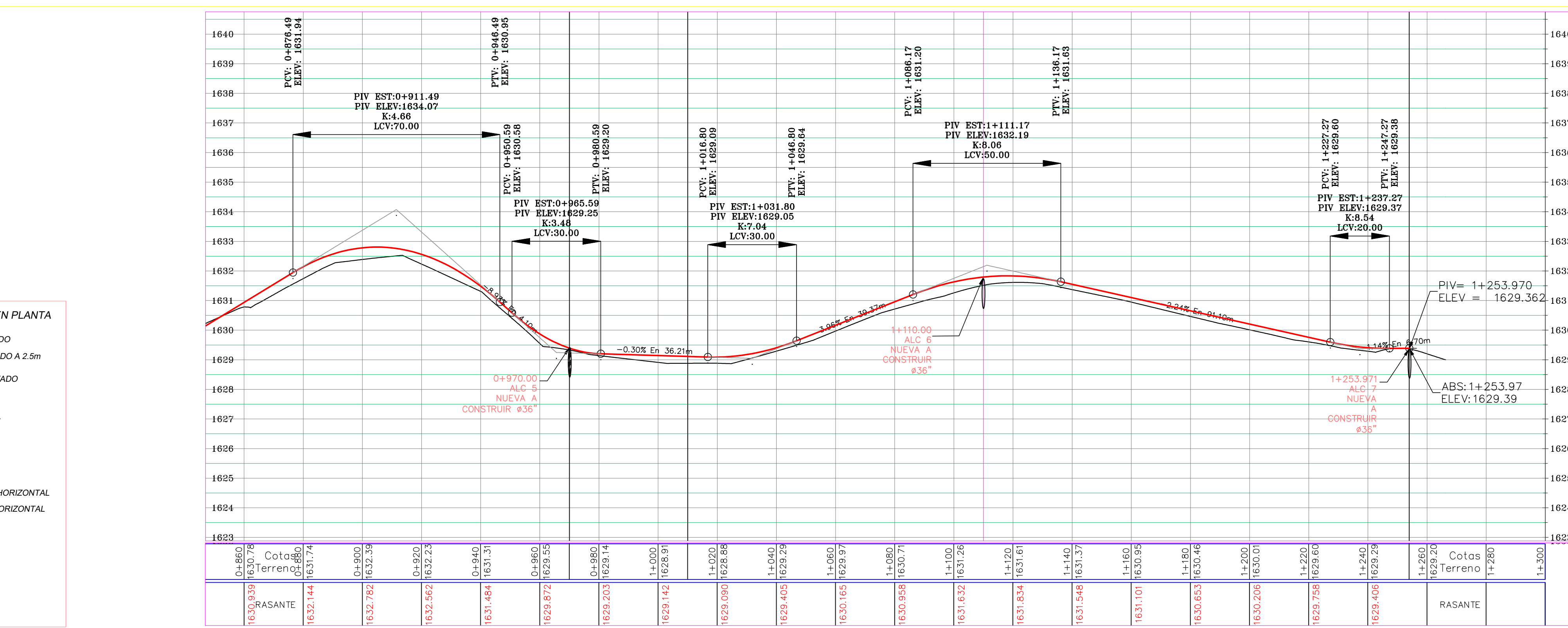
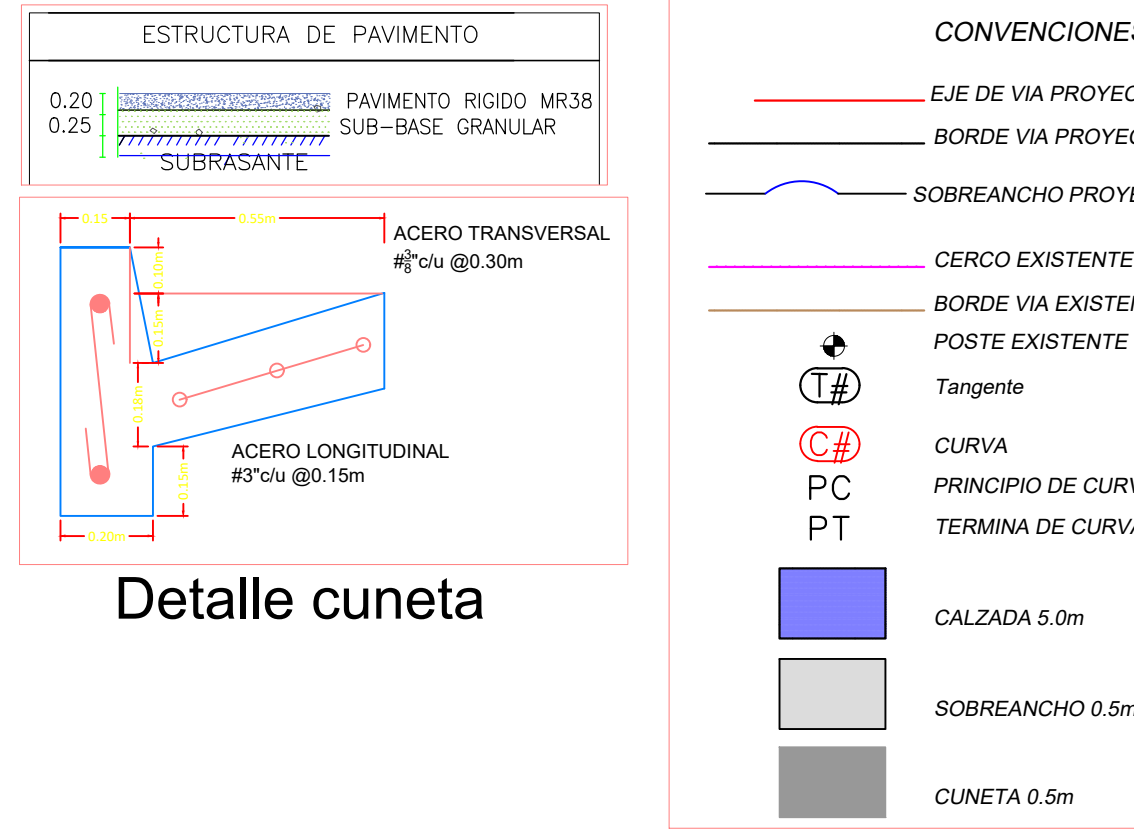
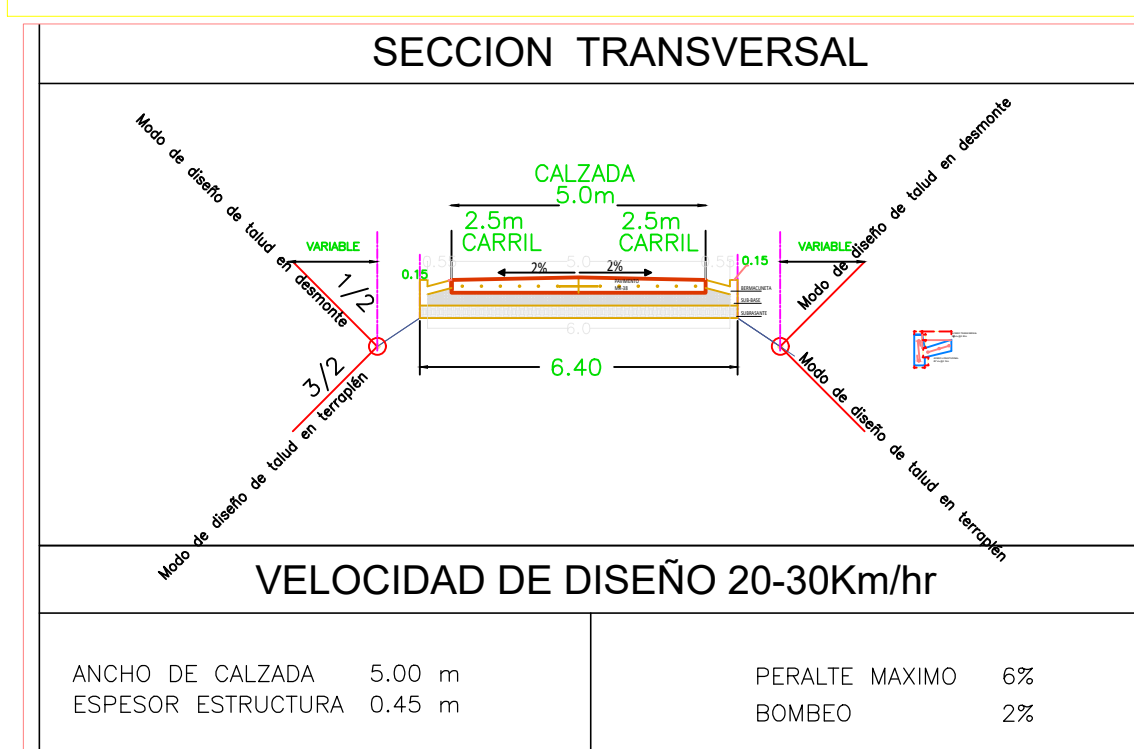
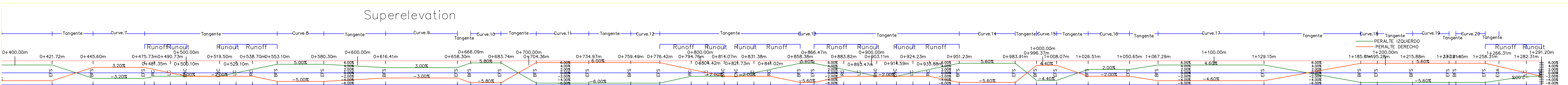


TABLA DE ENTRETANGENTES				ELEMENTOS GEOMETRICOS HORIZONTALES															
N°	Entre	Tangente	Longitud	Azmut	Punto Inicial	Punto final	N°	PI	Rc	Lc	Externa	PC	PI	PT	Tangente	Deflexion	Abs_PC	Abs_PI	Abs_PT
T1	2.616	042° 37' 07.81"	(ESTE: 1070381.6948,NORTE: 917601.7269)	(ESTE: 1070383.4664,NORTE: 917603.6523)	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	93°1'43"	+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: 1070195.6345,NORTE: 917873.9925)	(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° 07' 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

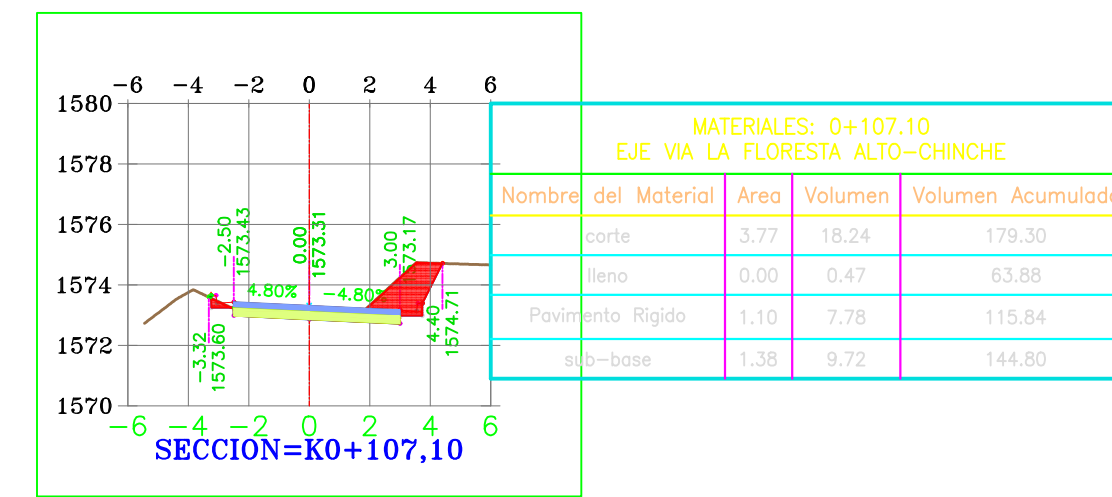
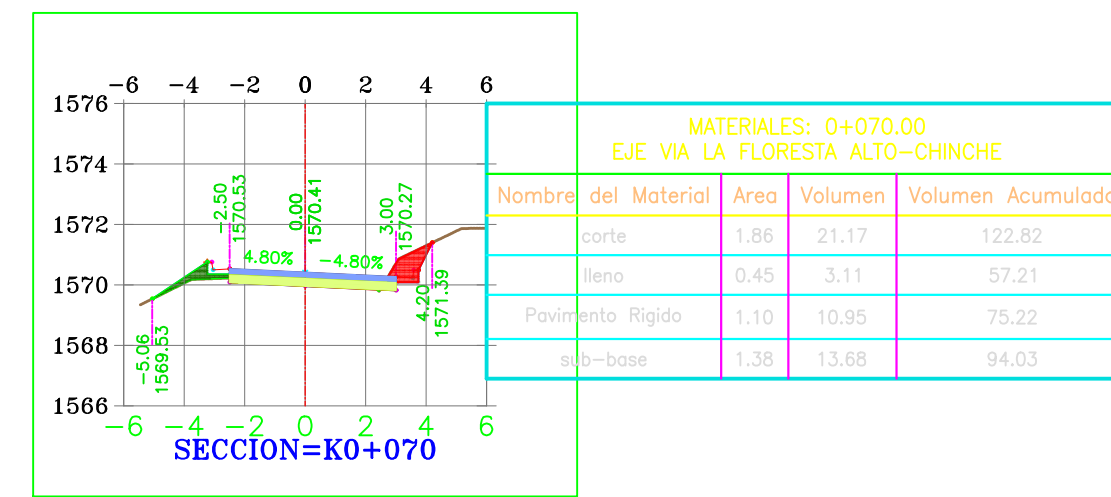
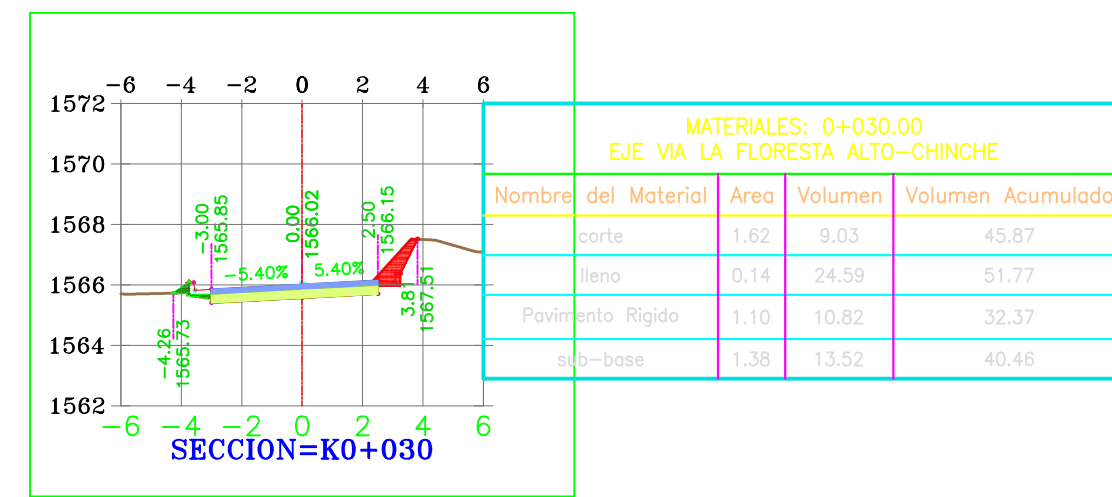
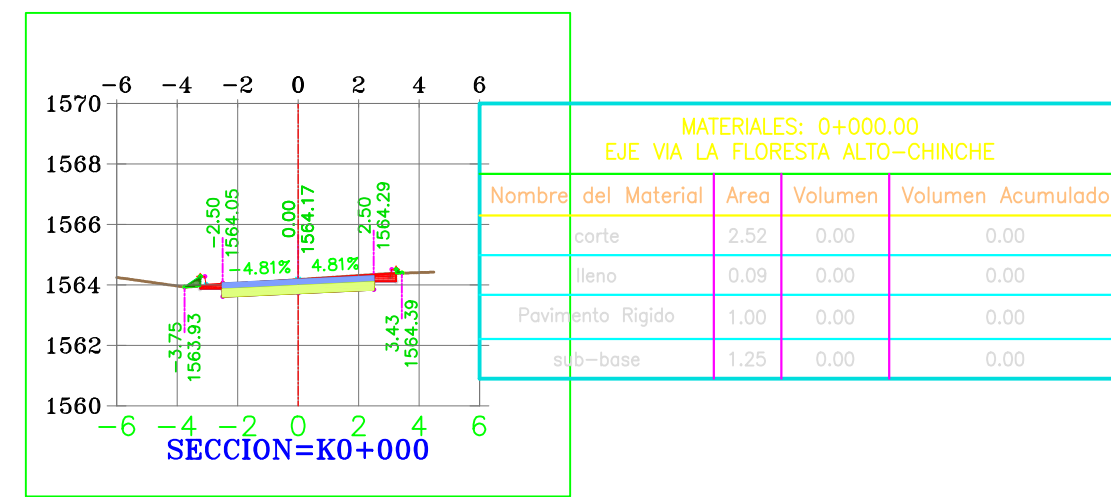
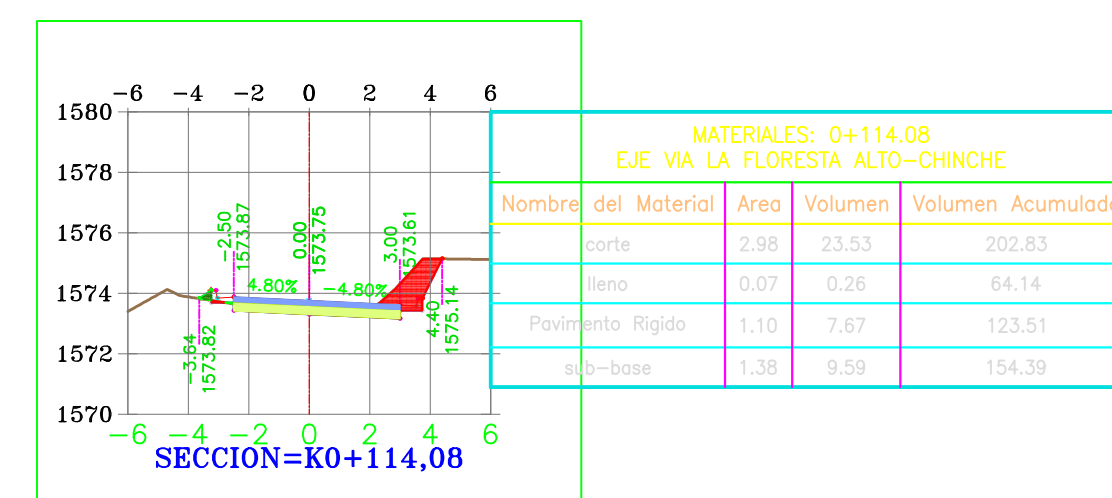
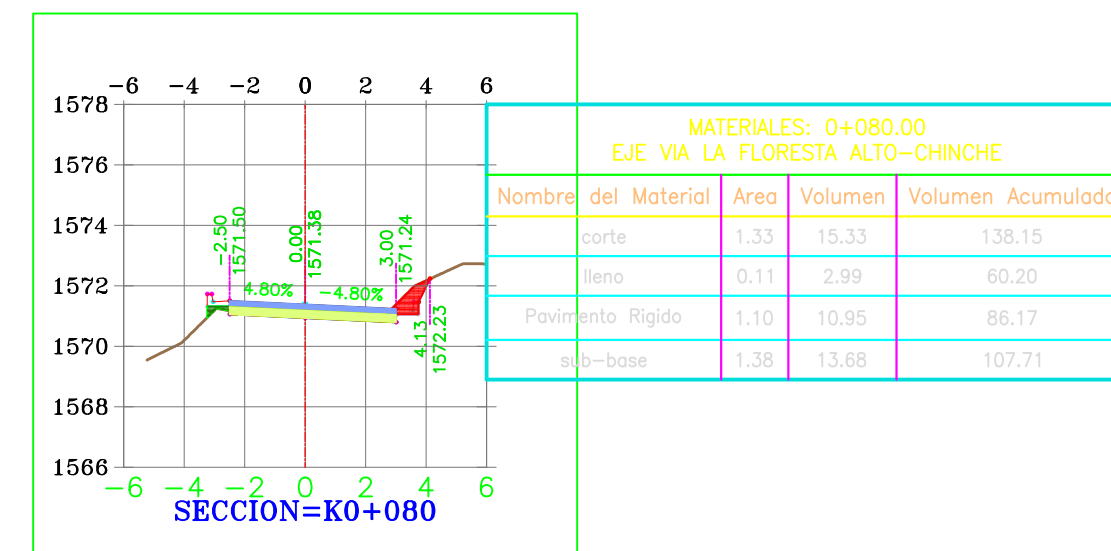
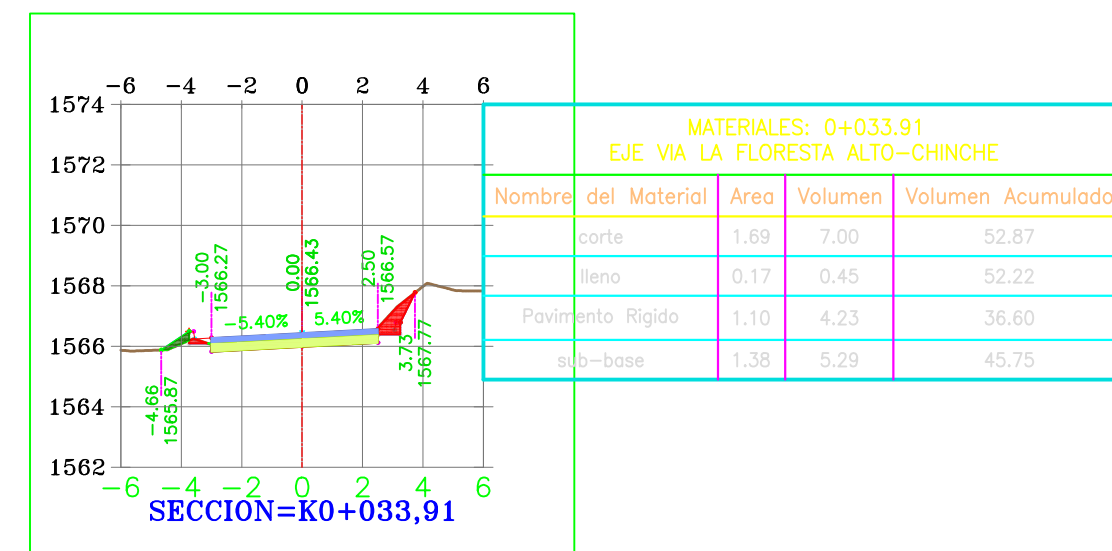
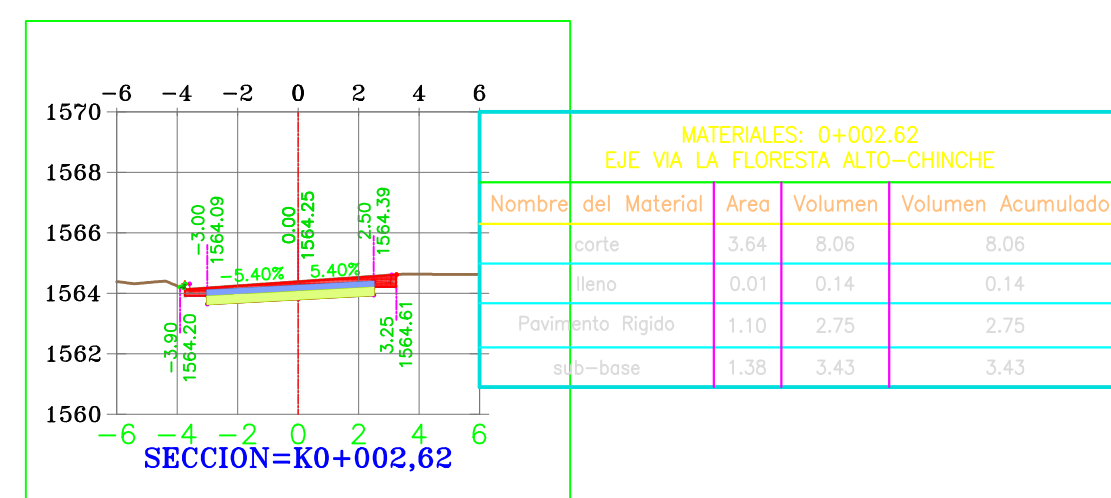
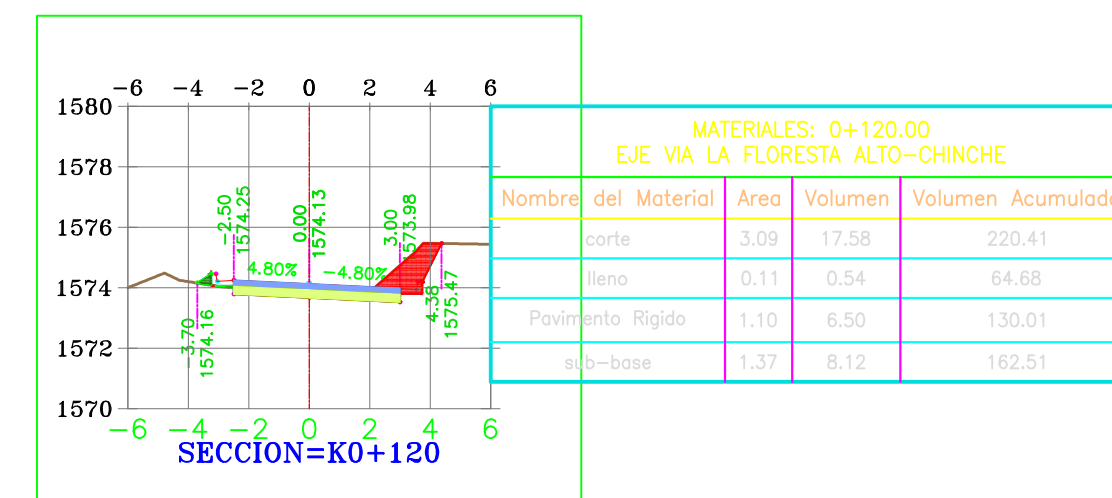
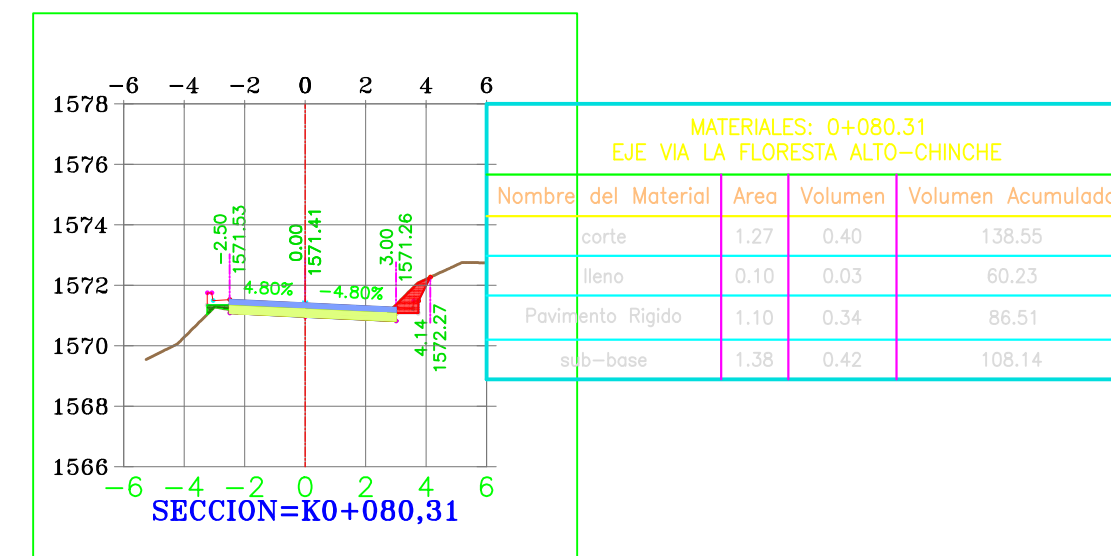
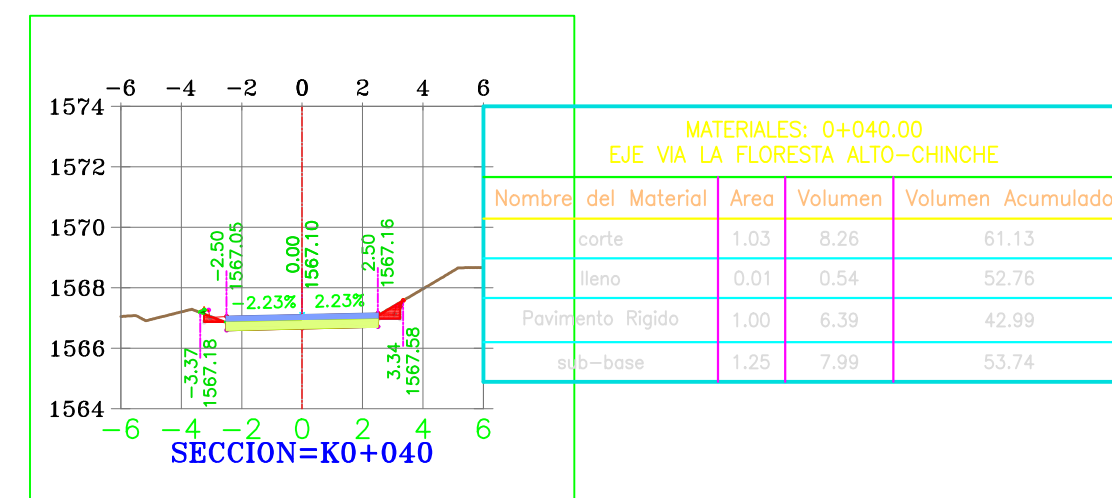
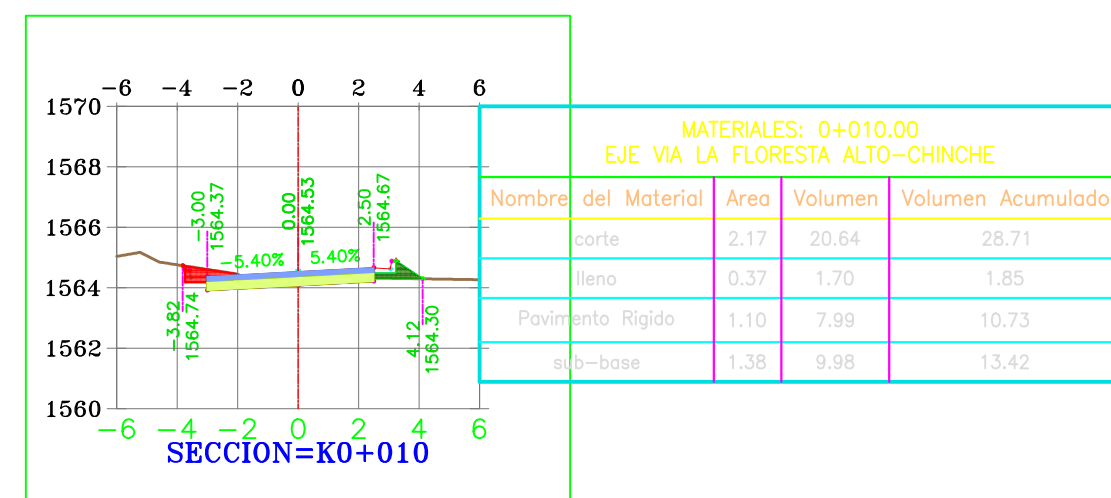
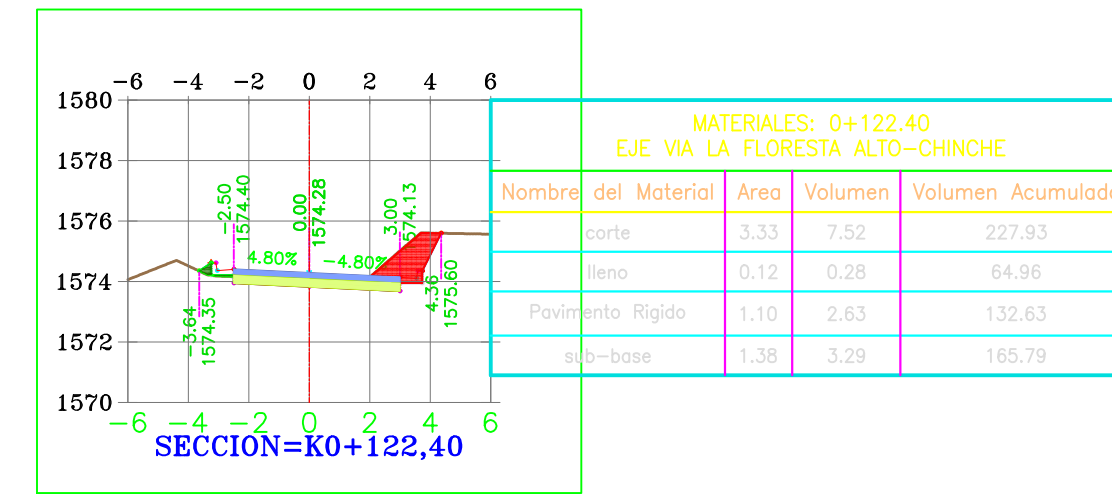
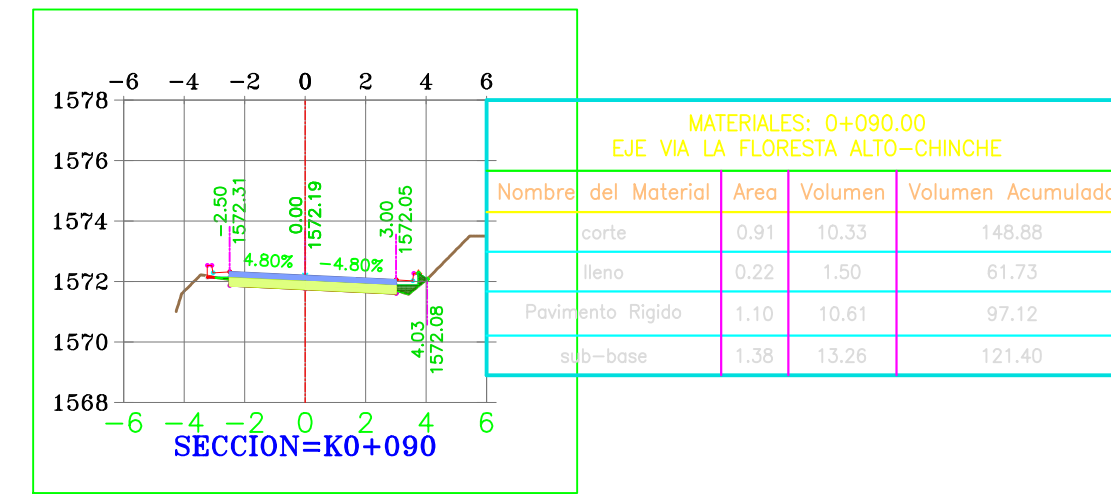
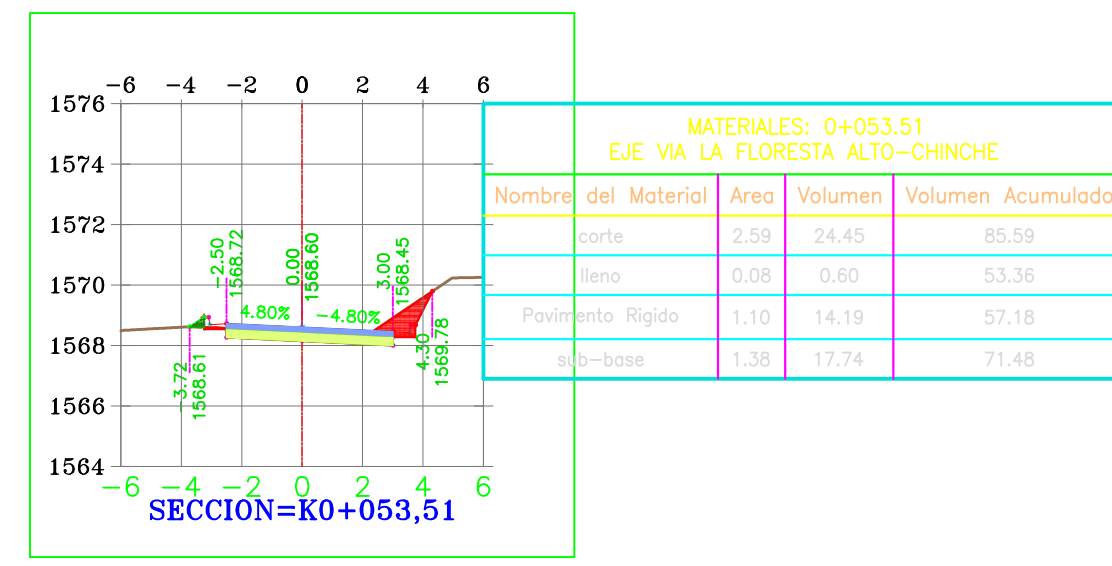
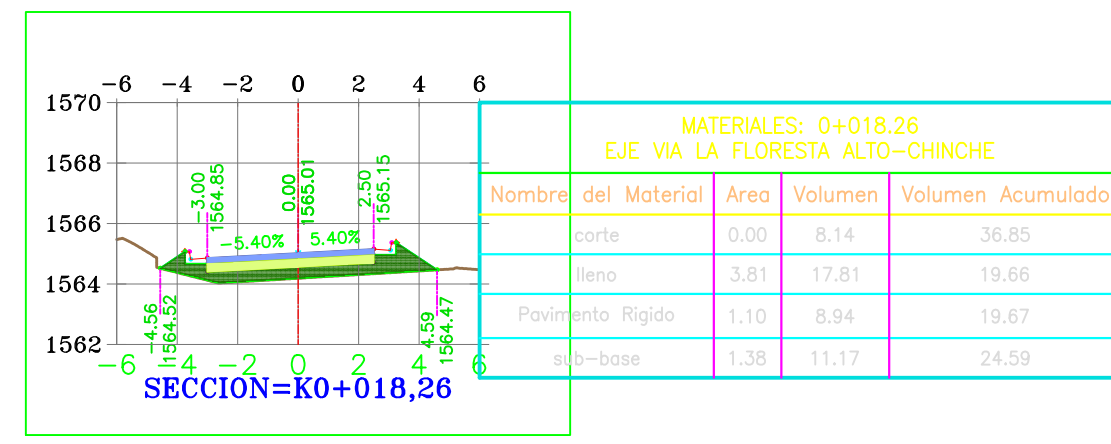
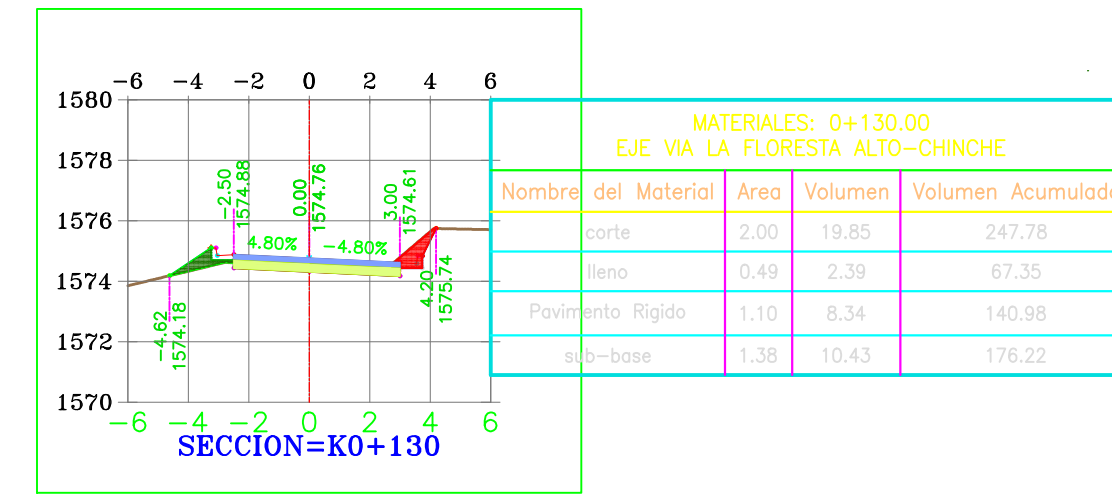
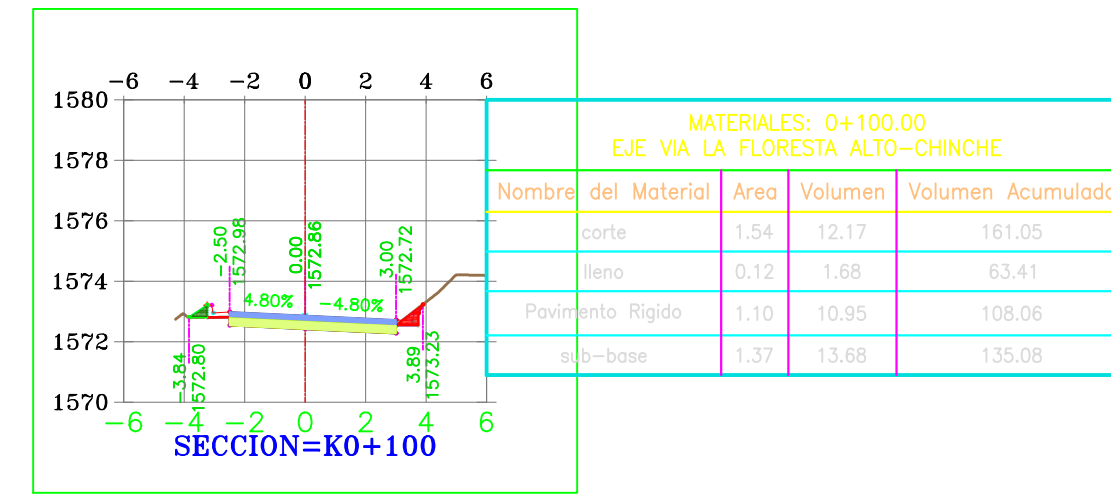
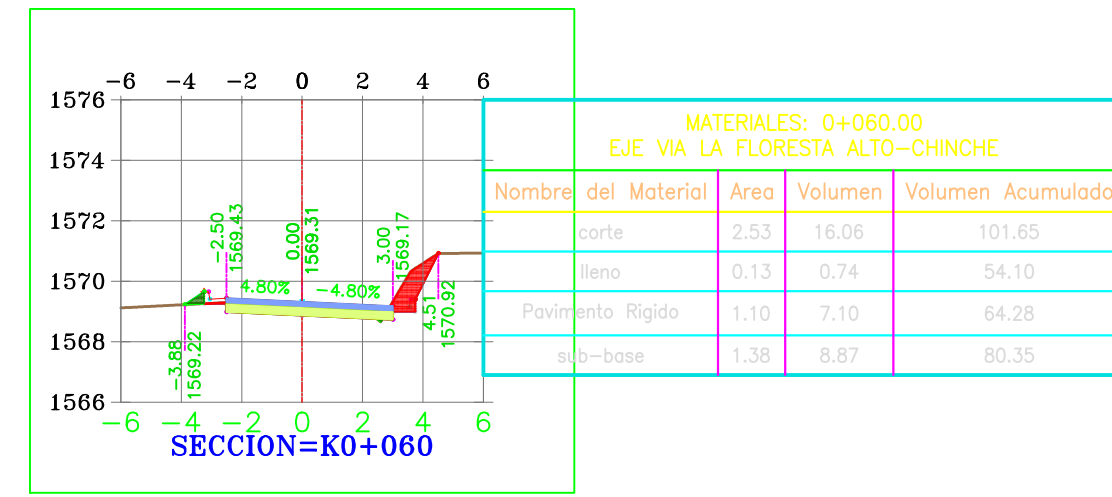
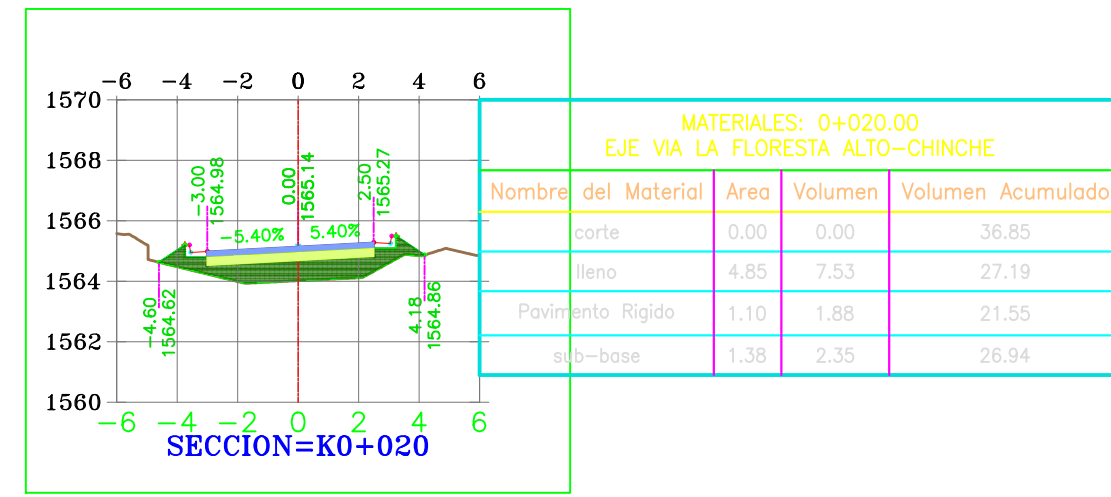


NOTA:
LA RASANTE SE DISEÑA 0.20m POR ENCIMA DEL TERRENO NATURAL PERFILADO, PARA EXCAVAR 0.25 DE SUB BASE.

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

CONVENCIONES EN PERFIL	
	RASANTE PROYECTADA
	TERRENO EXISTENTE
	PARAMETRO DE CALCULO
	PRINCIPIO CURVA VERTICAL
	PUNTO INTERSECCION VERTICAL
	TERMINA CURVA VERTICAL
	LONGITUD CURVA VERTICAL



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**

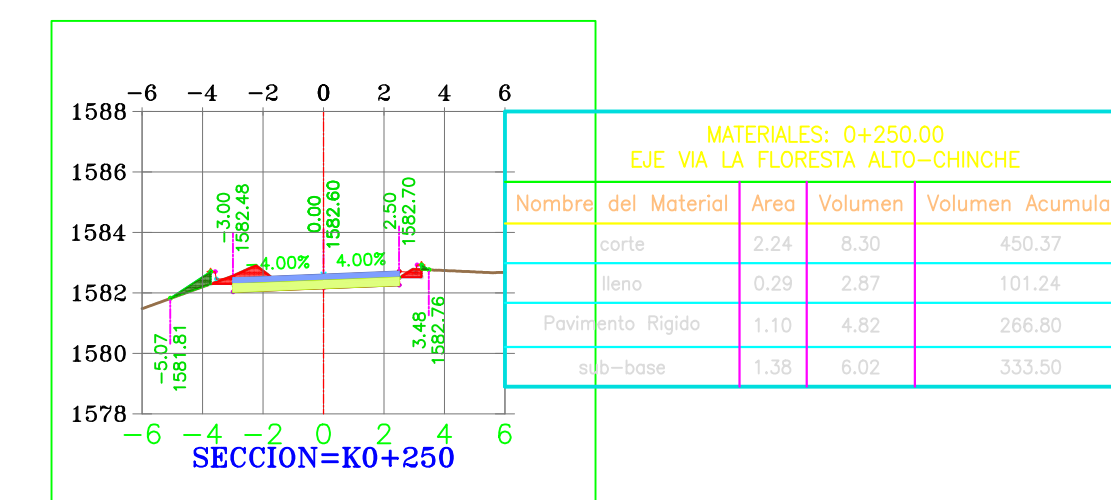
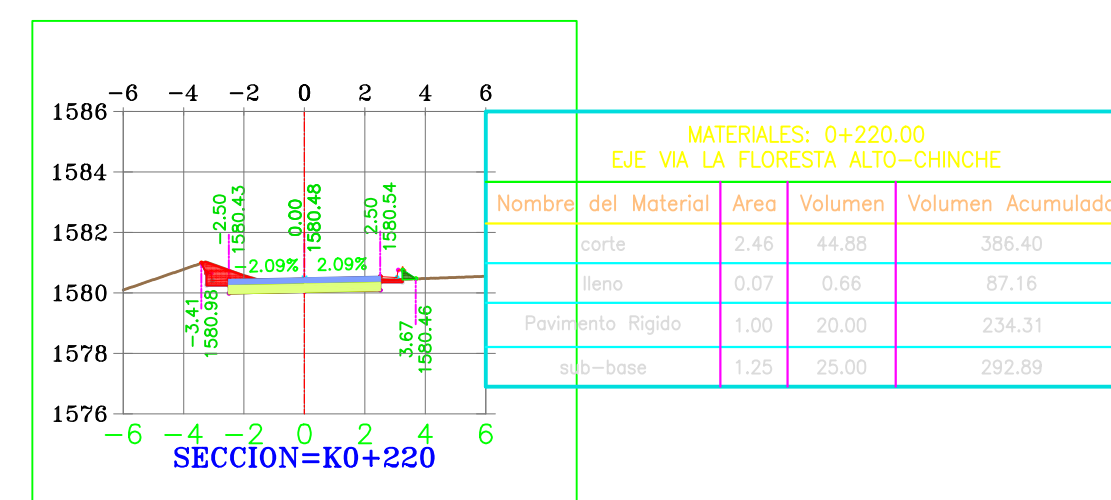
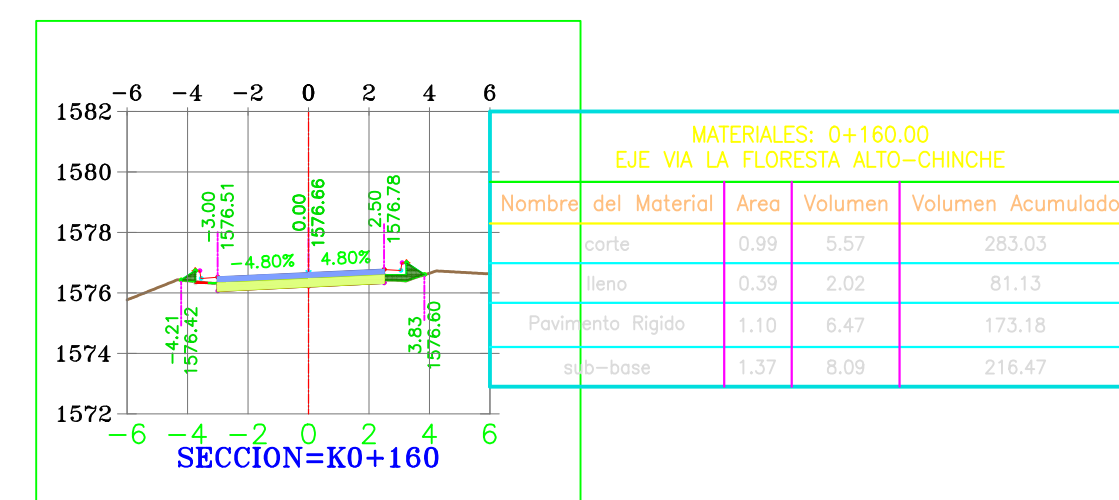
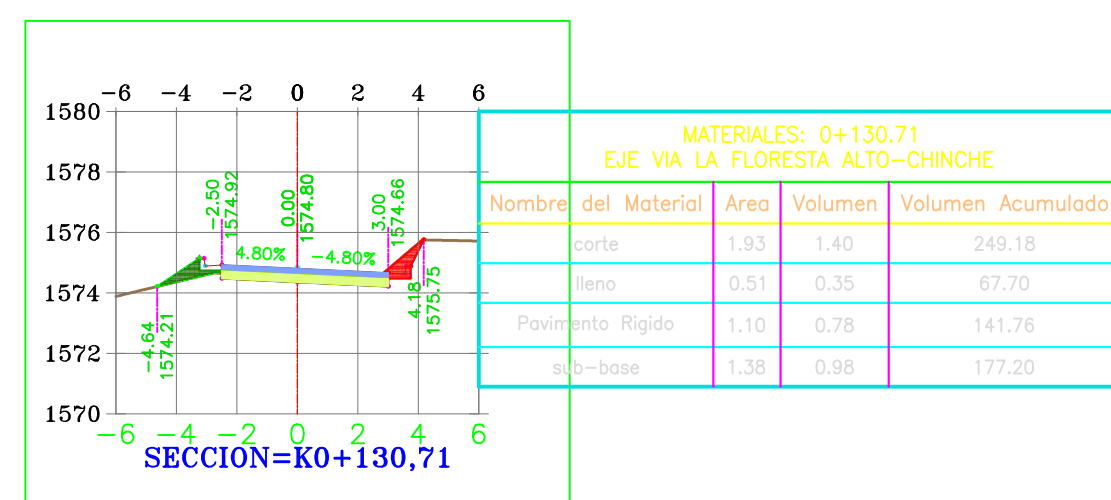
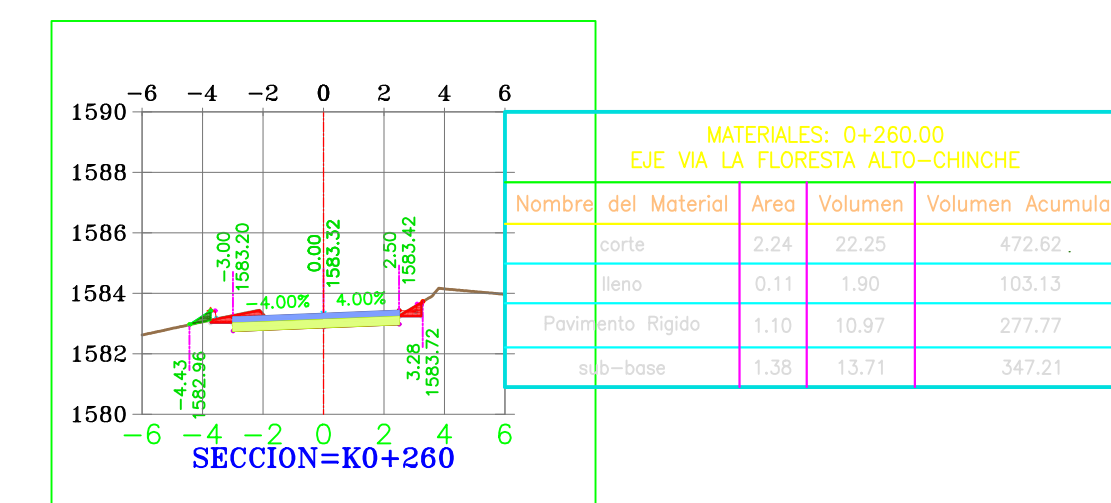
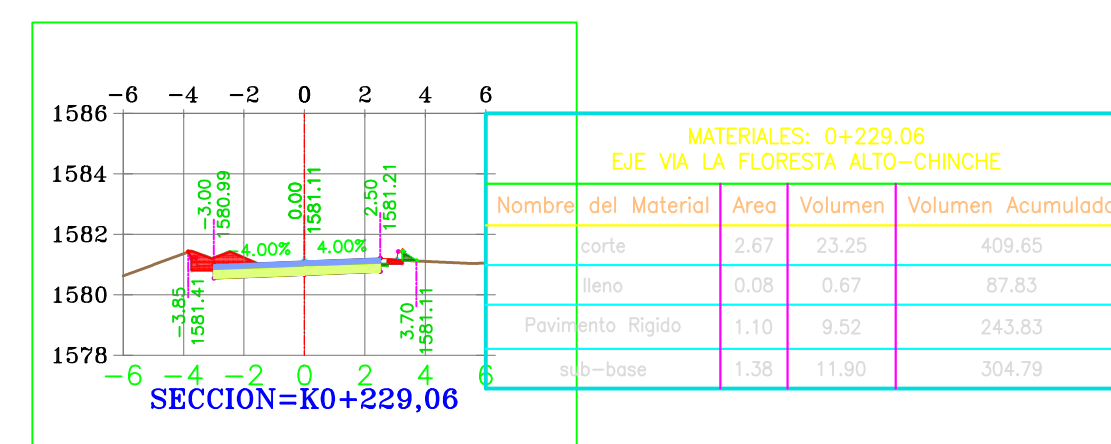
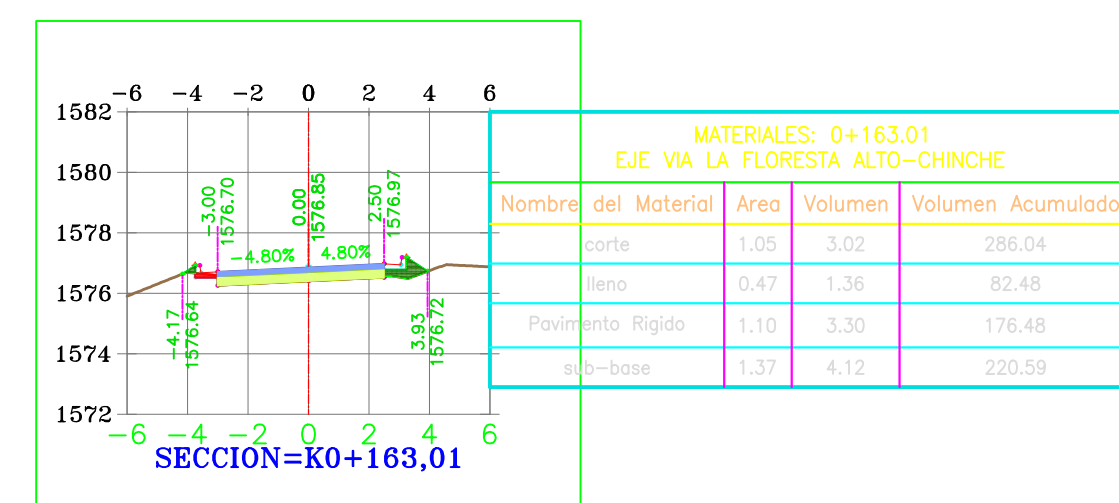
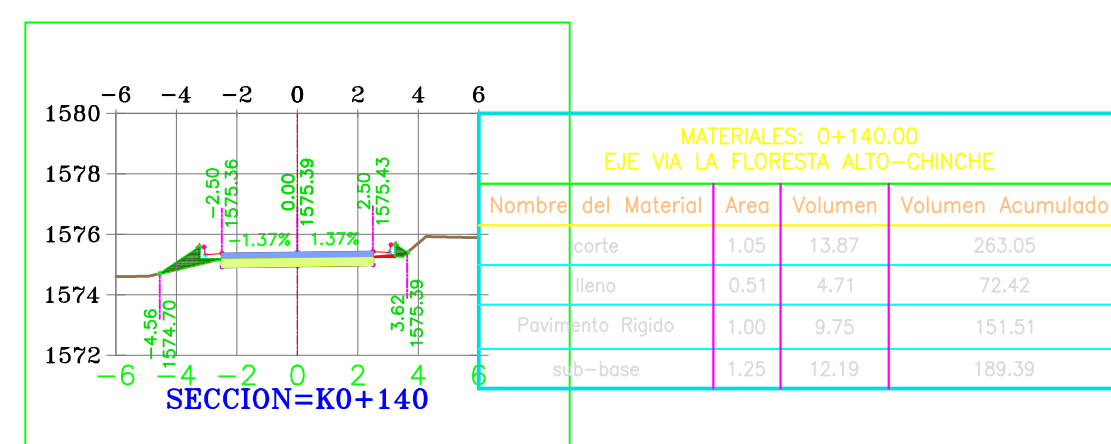
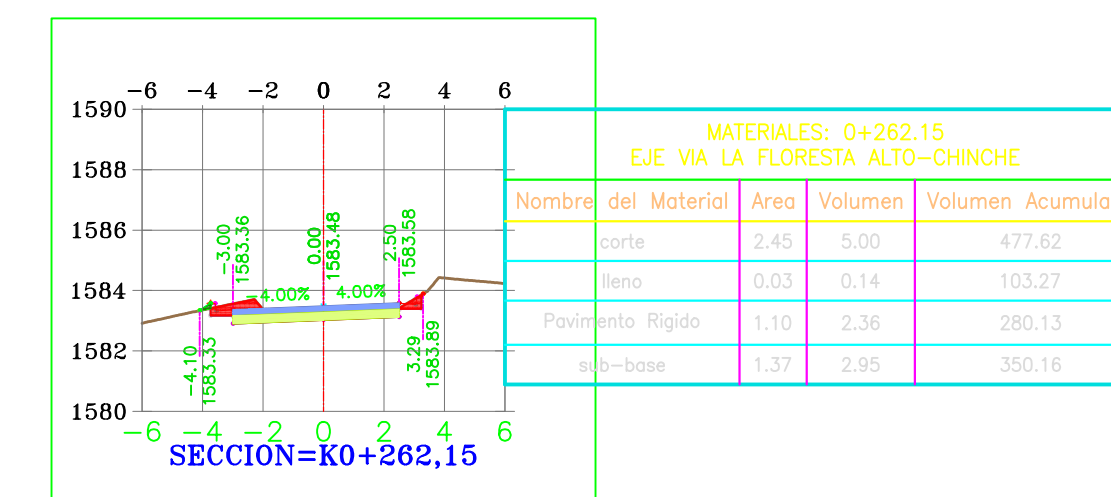
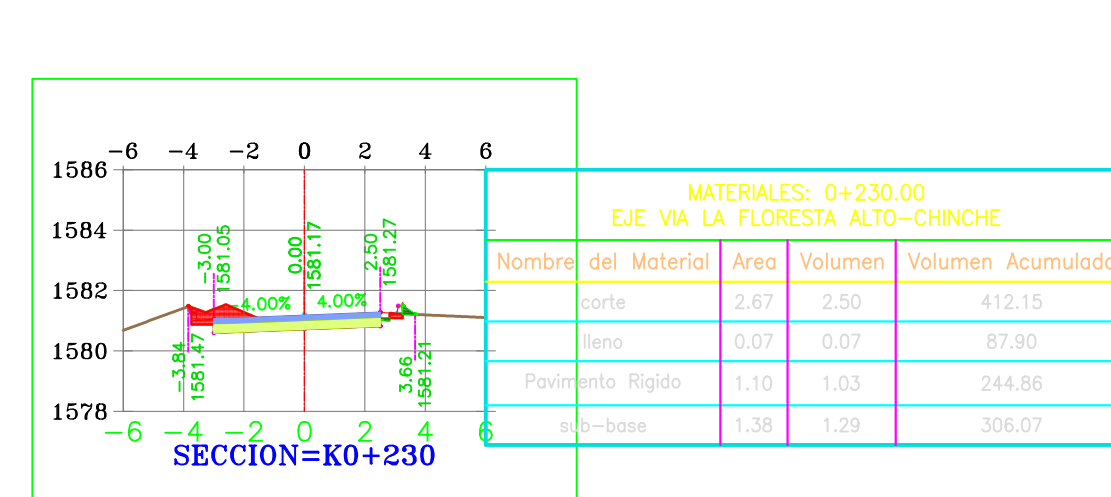
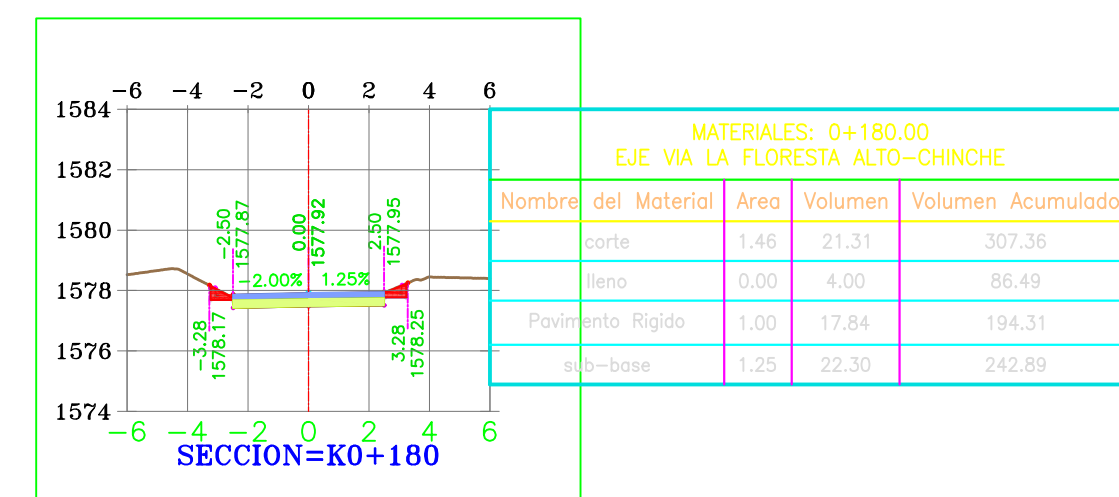
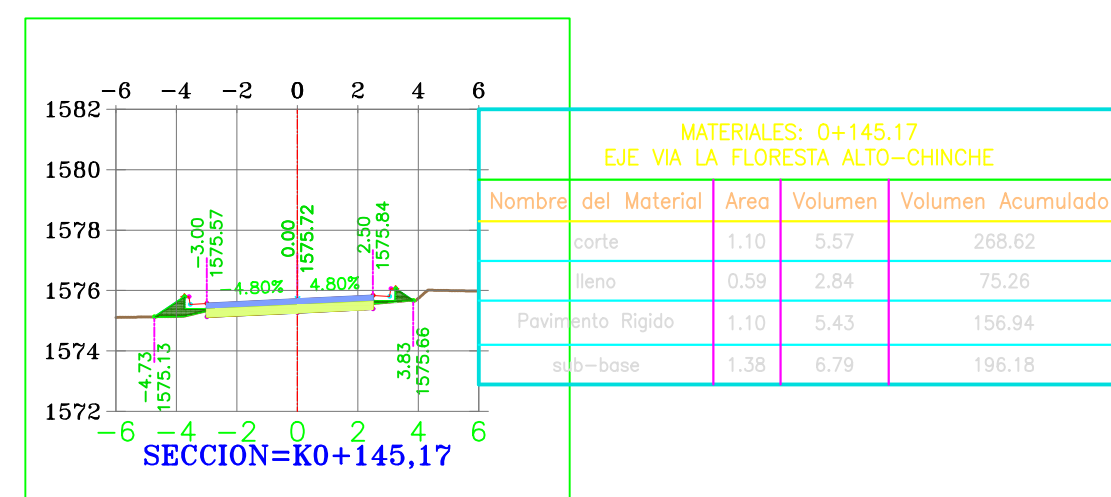
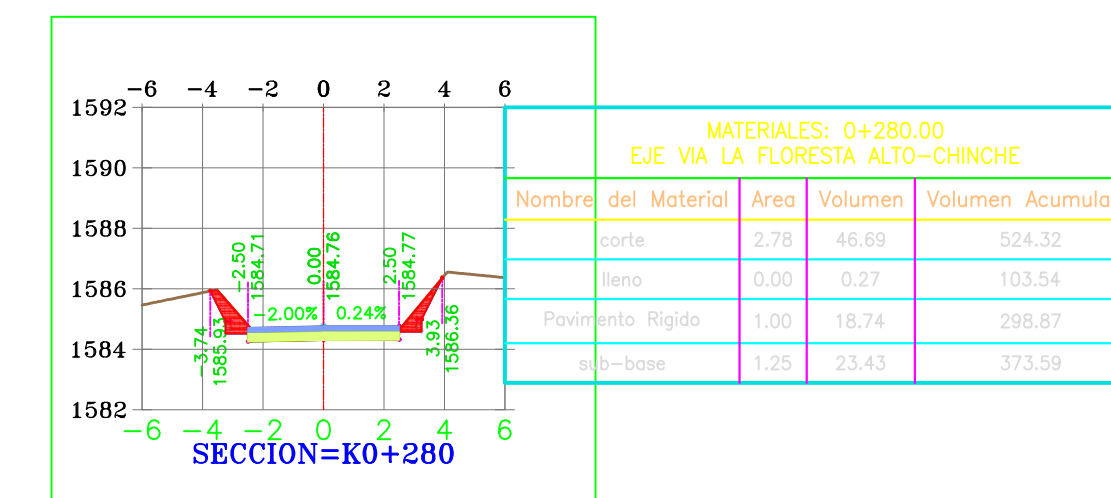
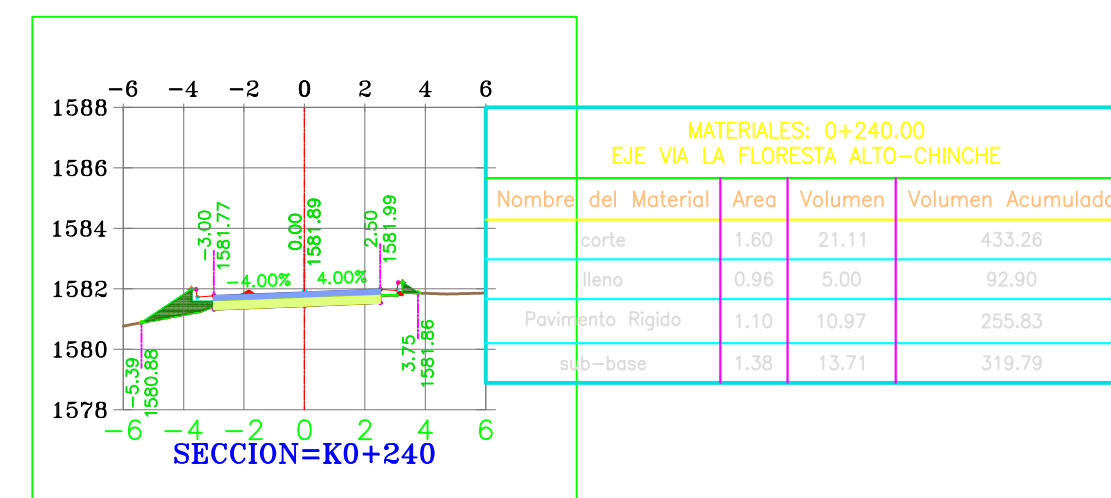
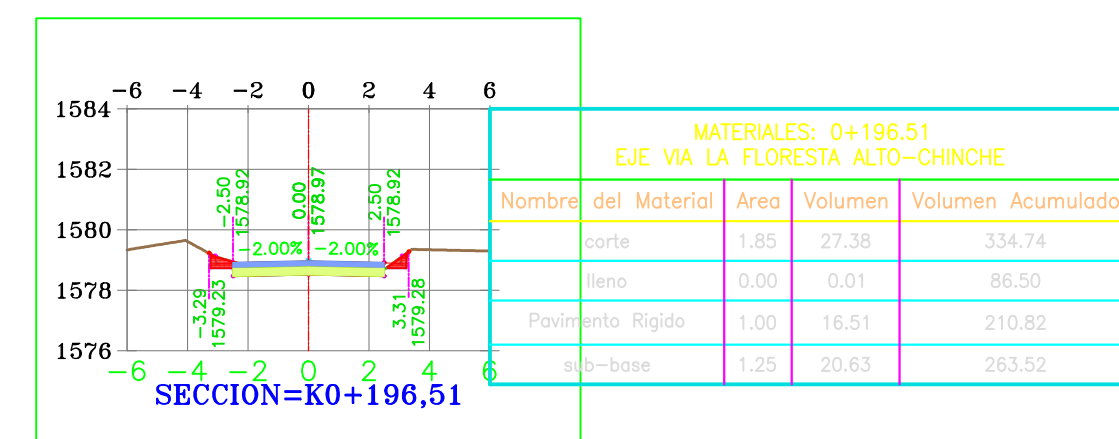
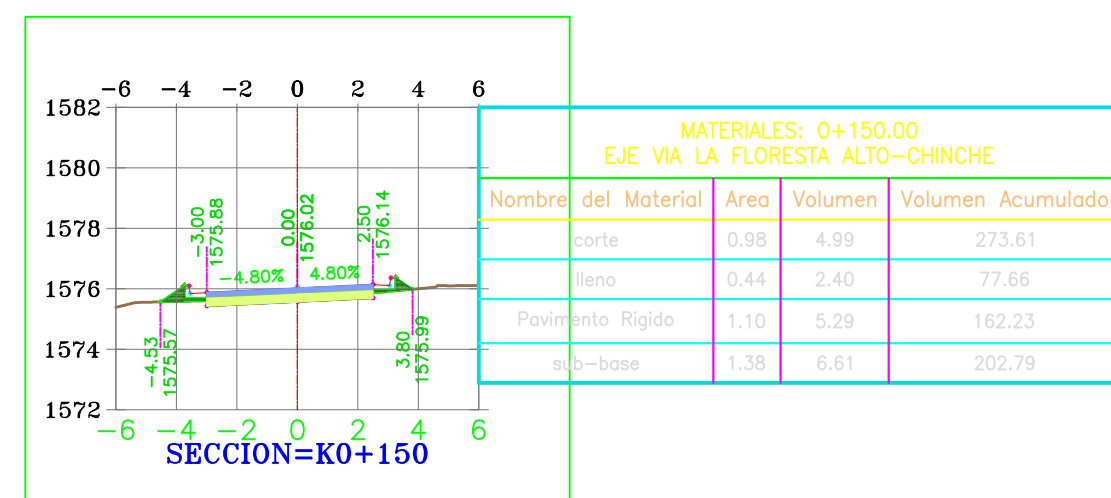
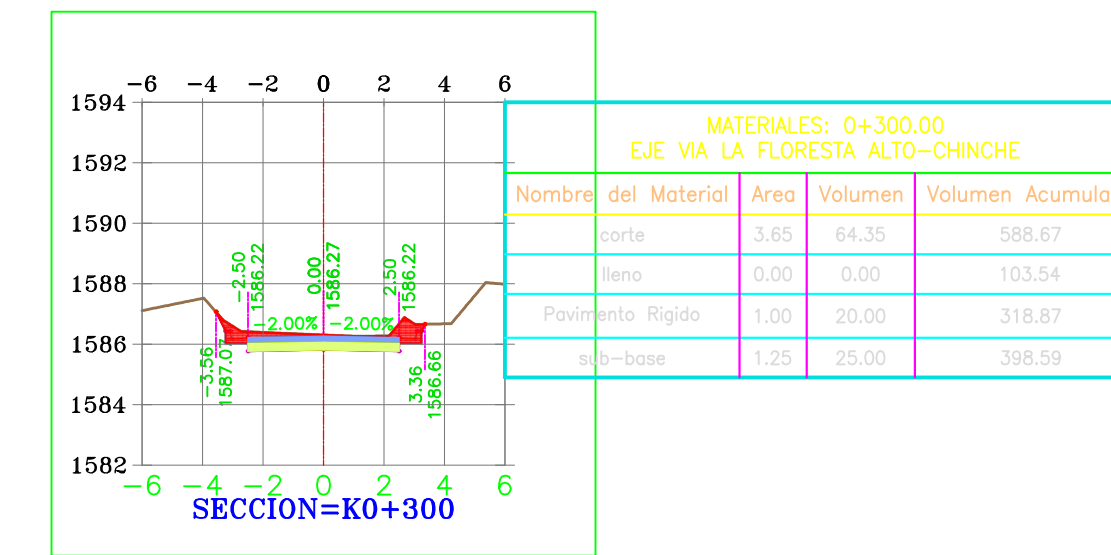
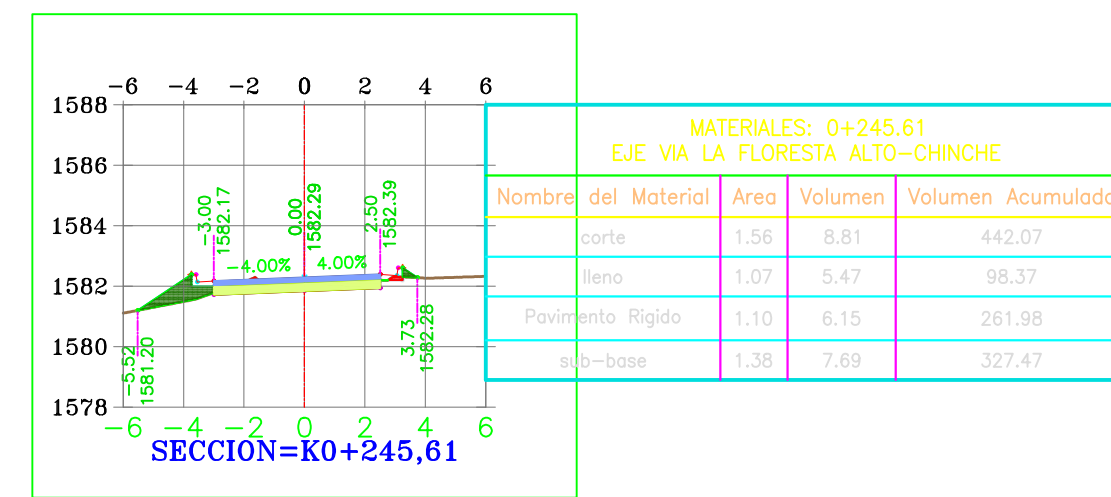
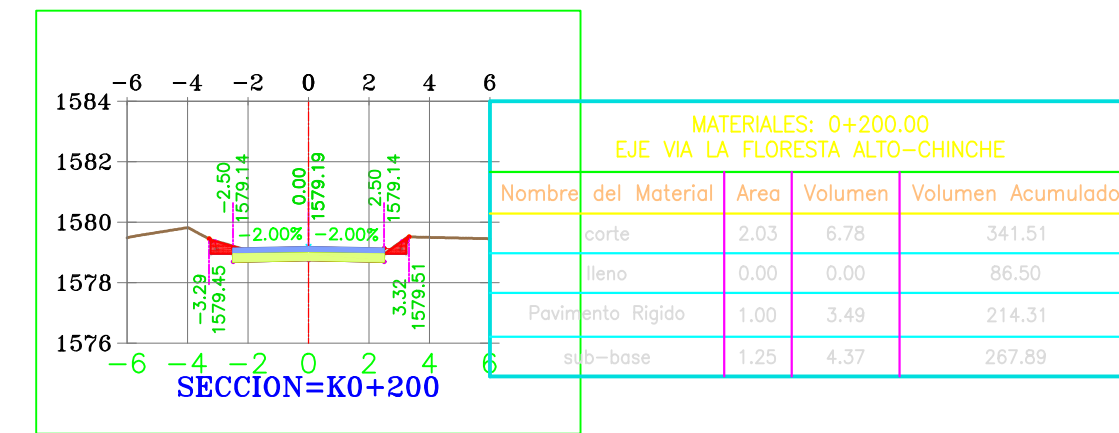
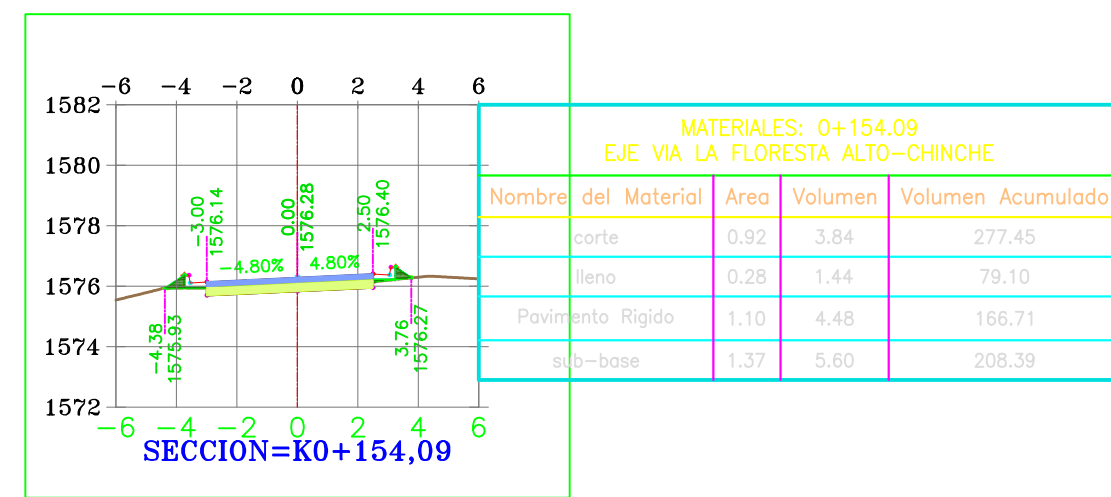
DIBUJO:
CONGRESUELOS

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**

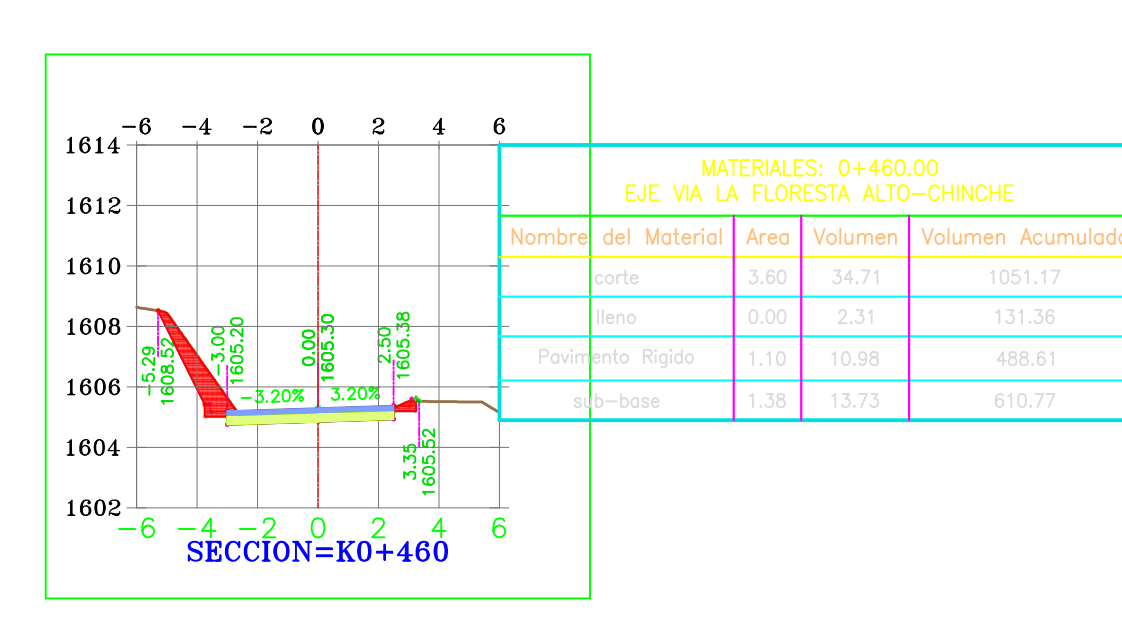
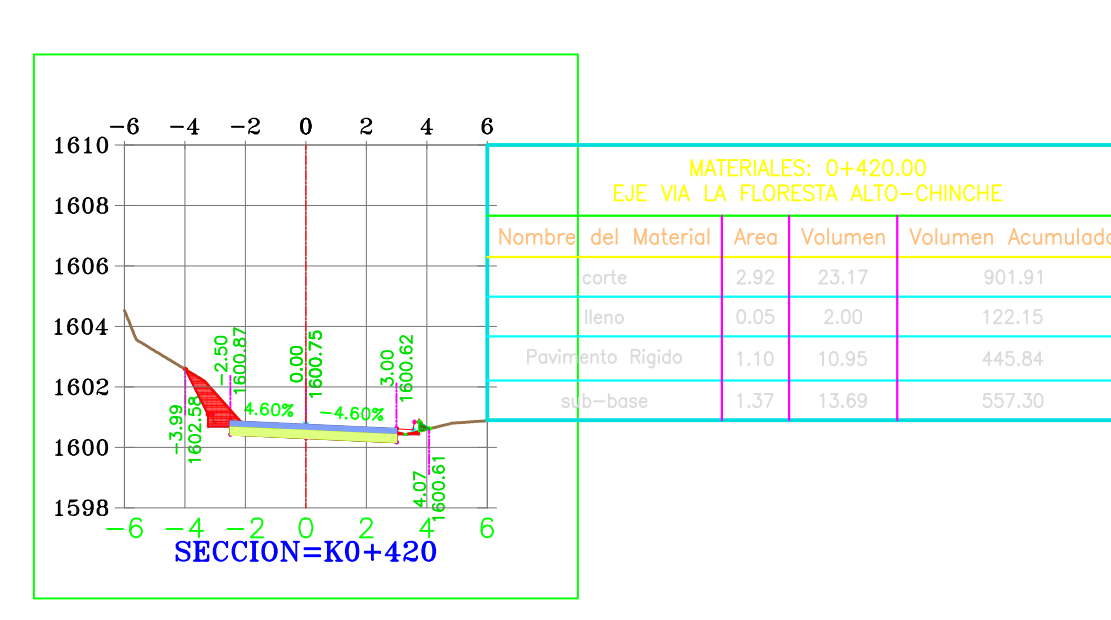
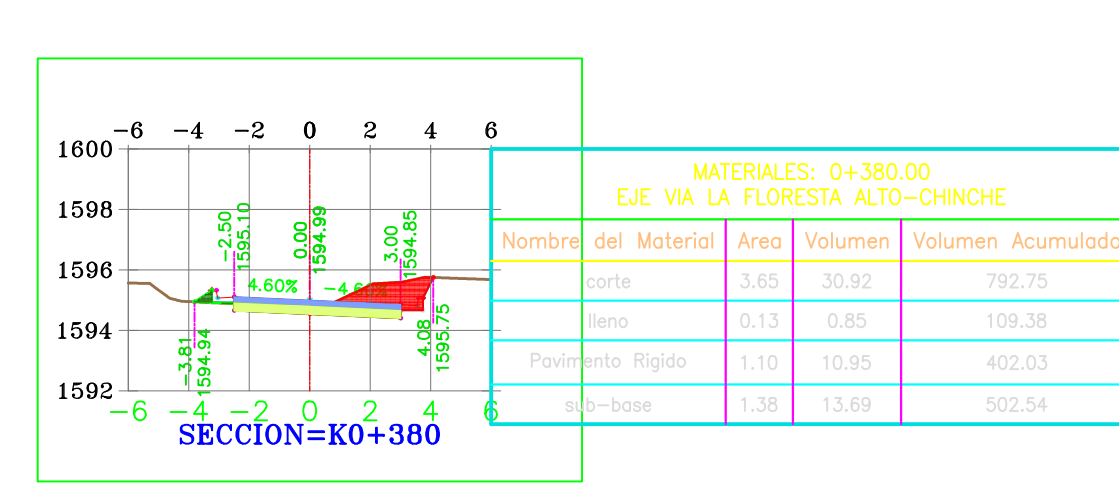
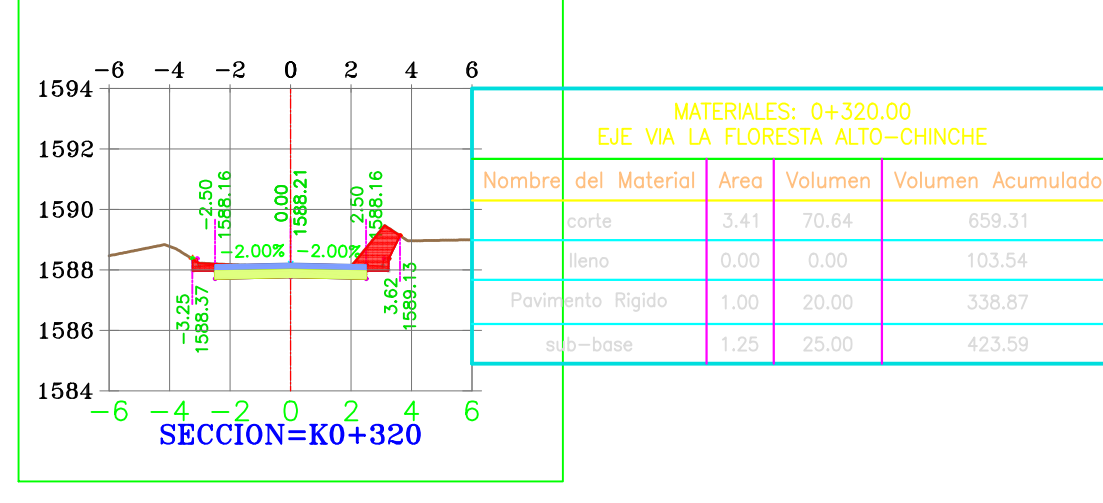
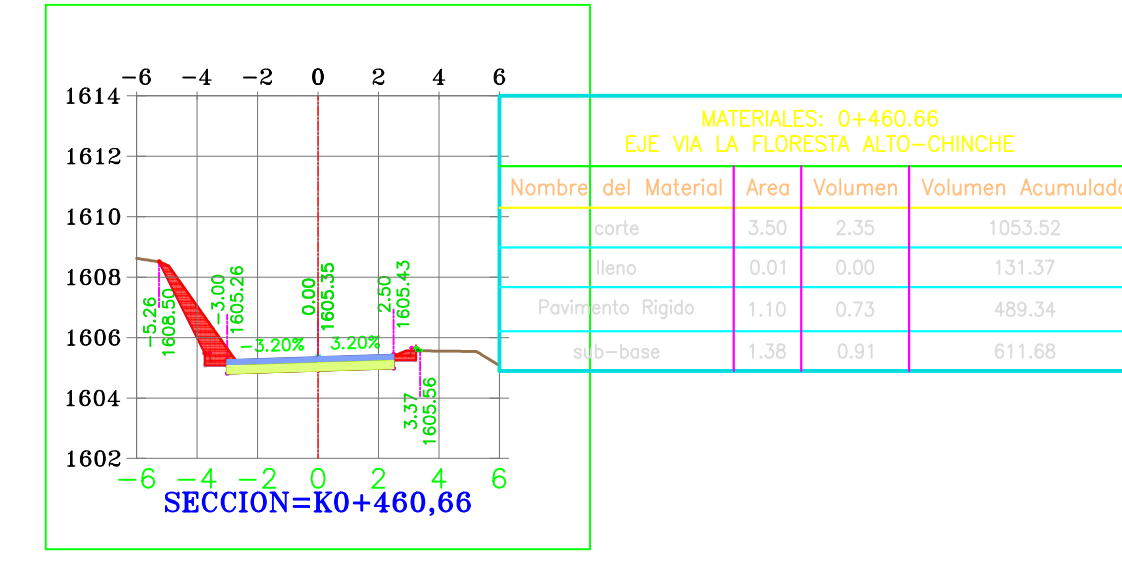
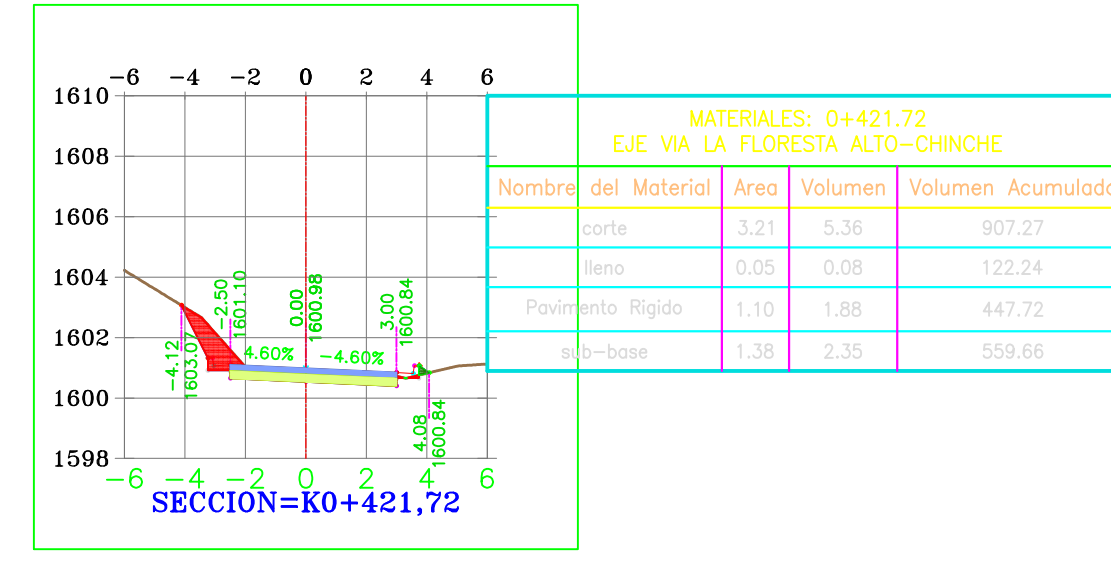
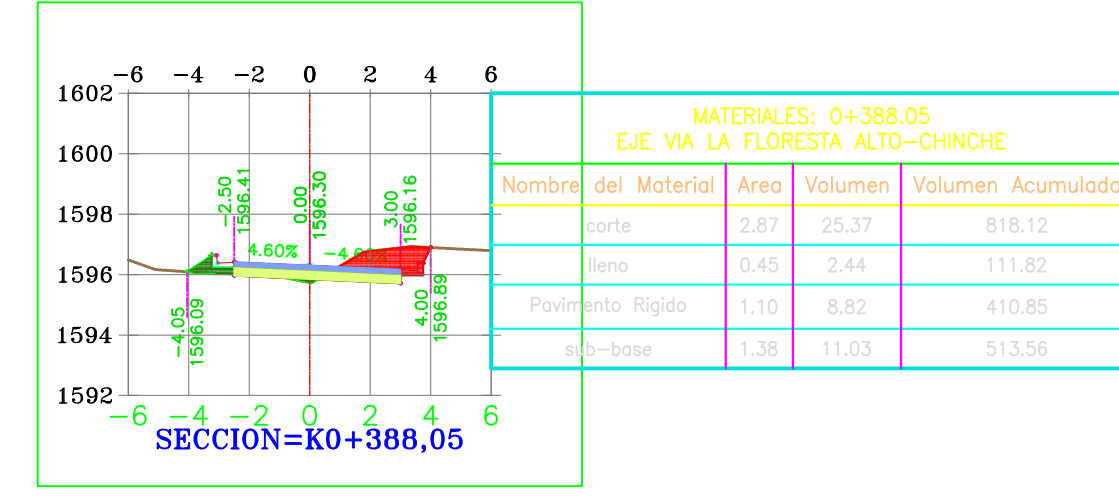
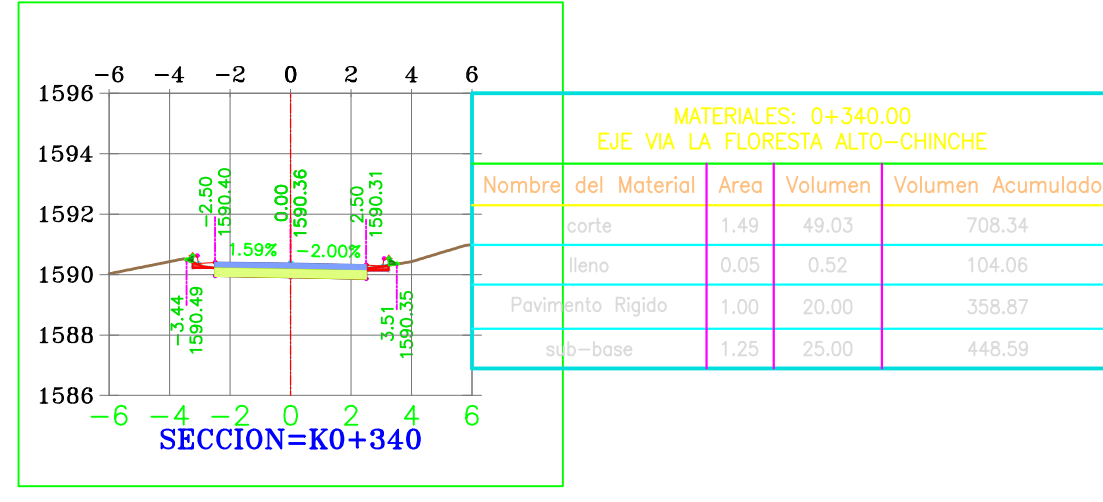
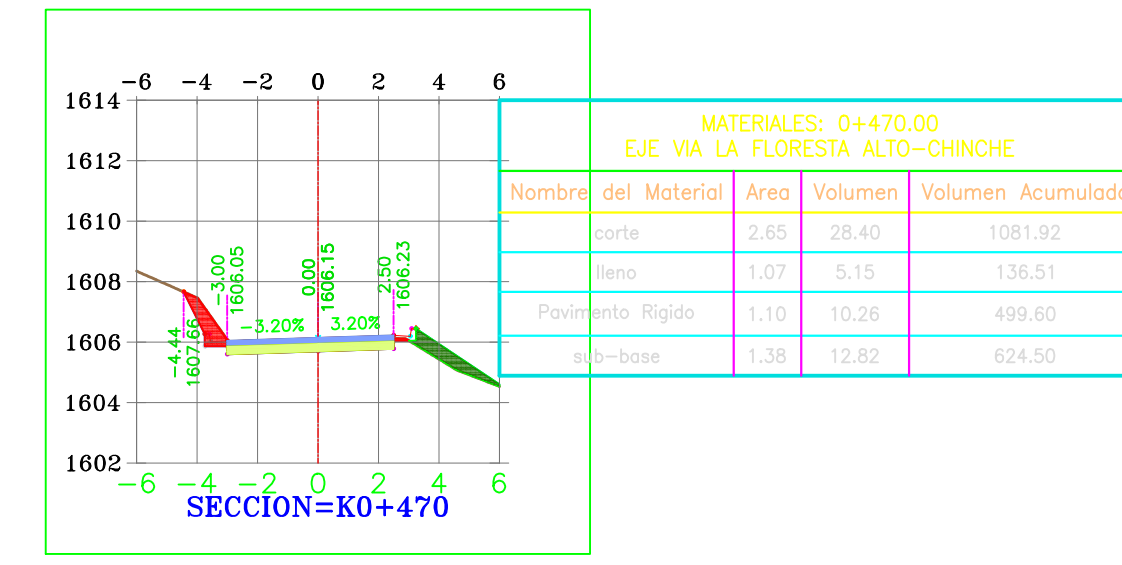
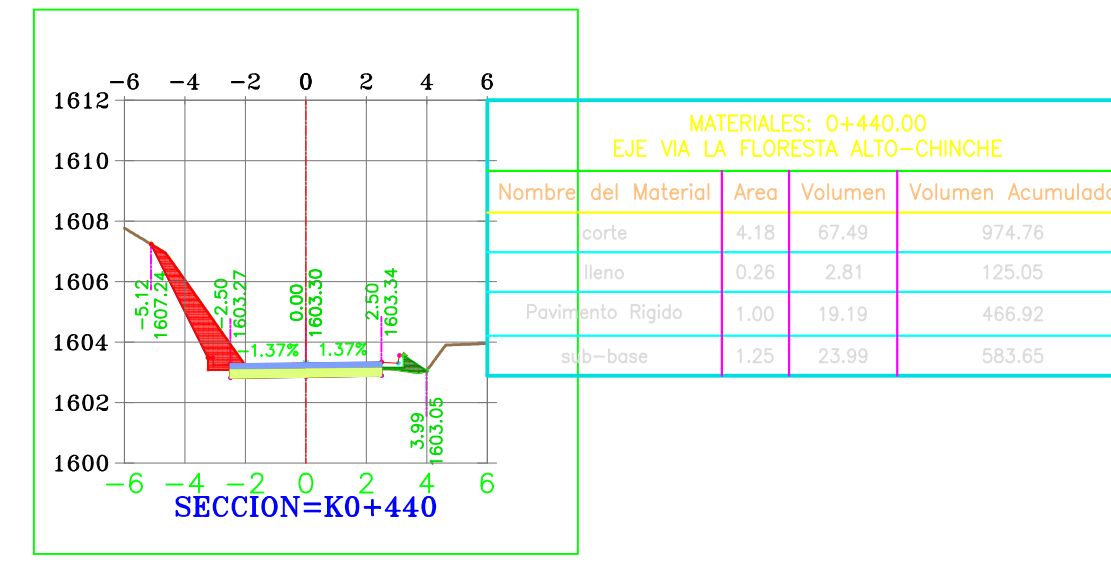
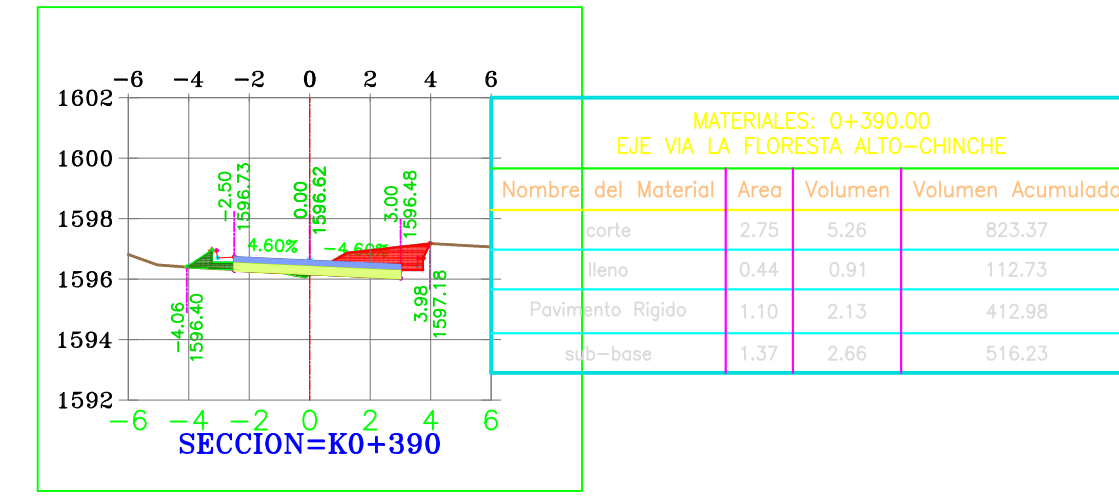
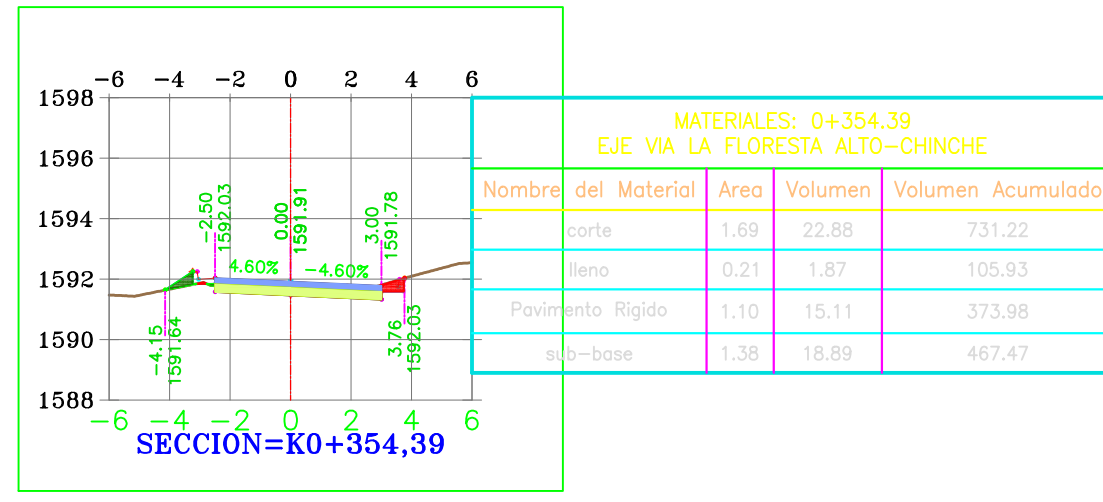
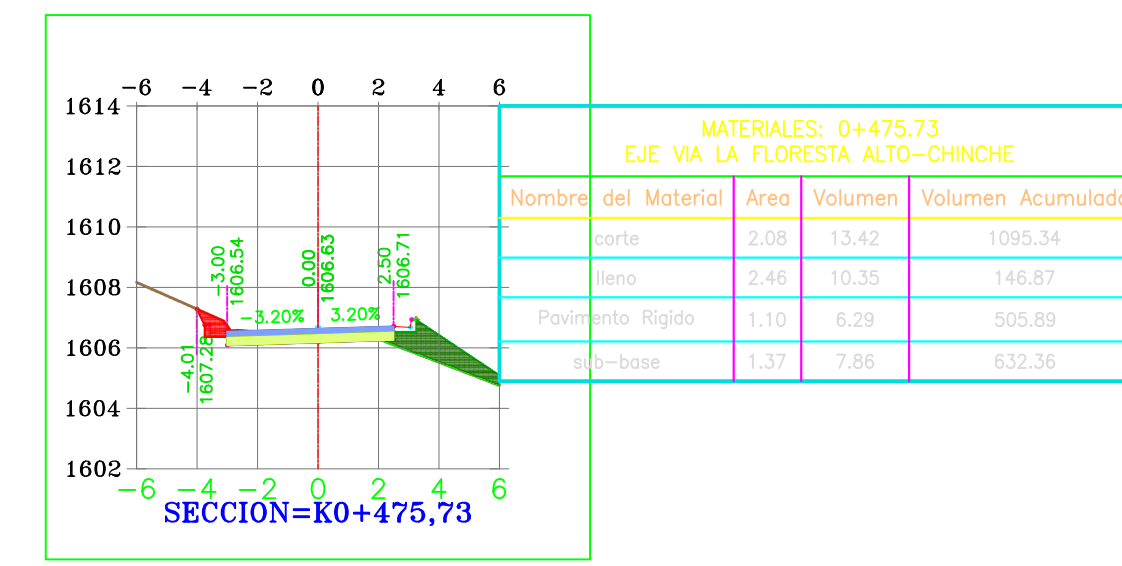
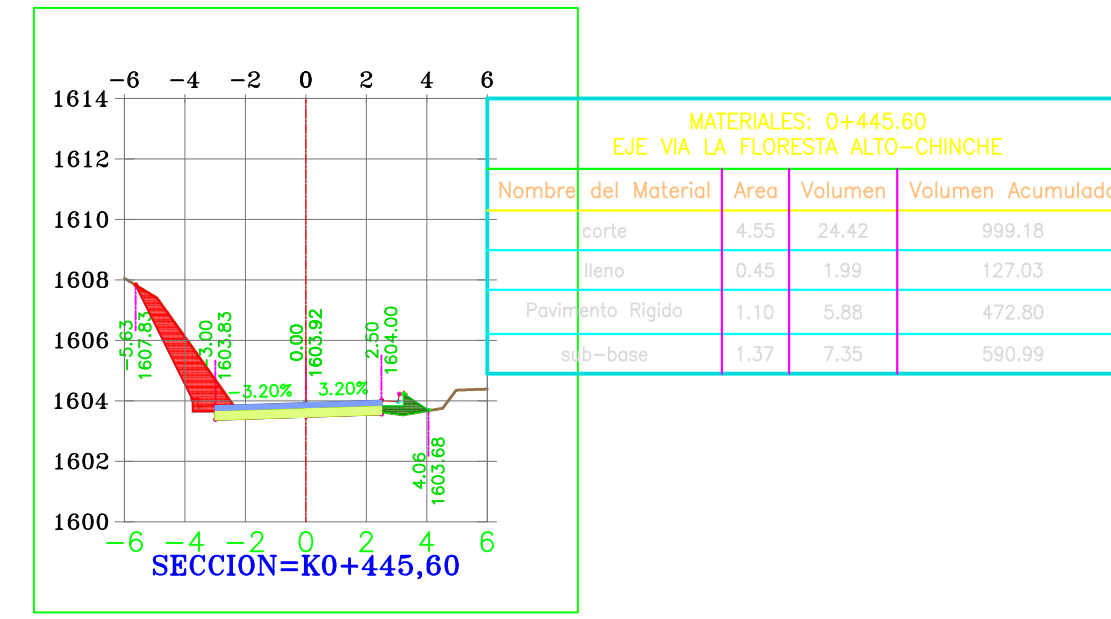
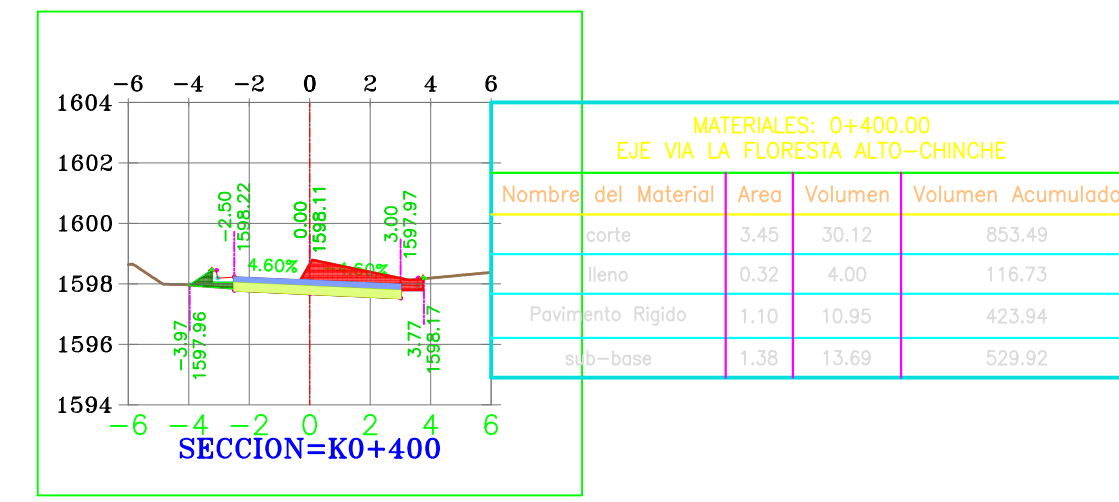
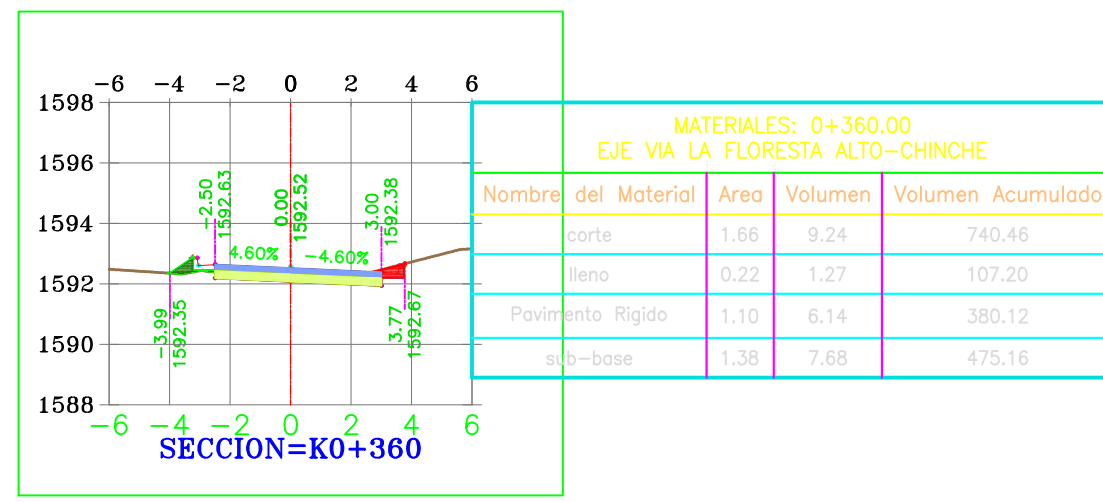
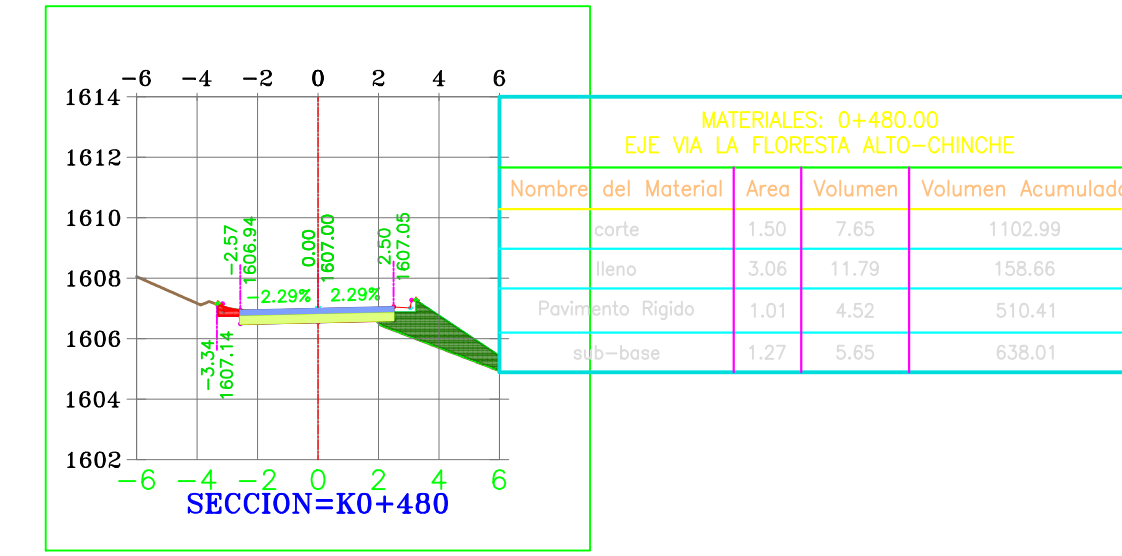
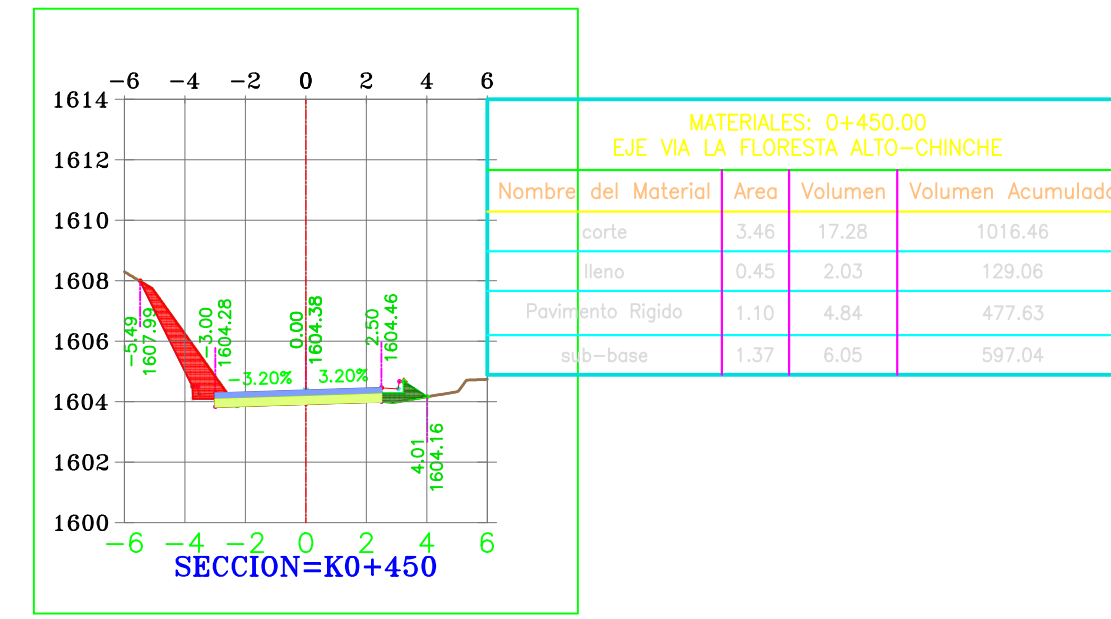
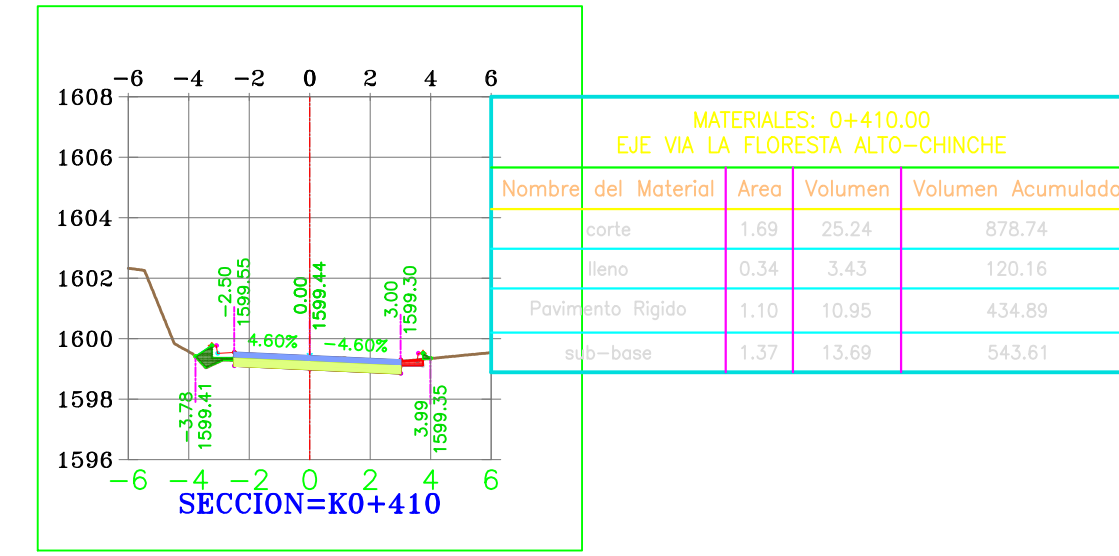
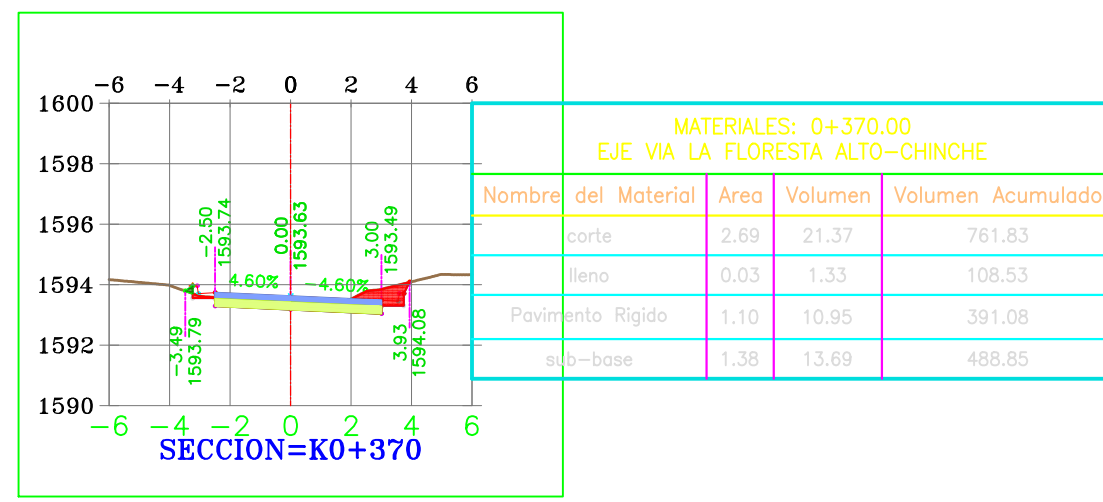
DIBUJO:
CONGRESUELOS

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
**JOSE RAMIRO PENILLA
TOPOGRAFO**

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

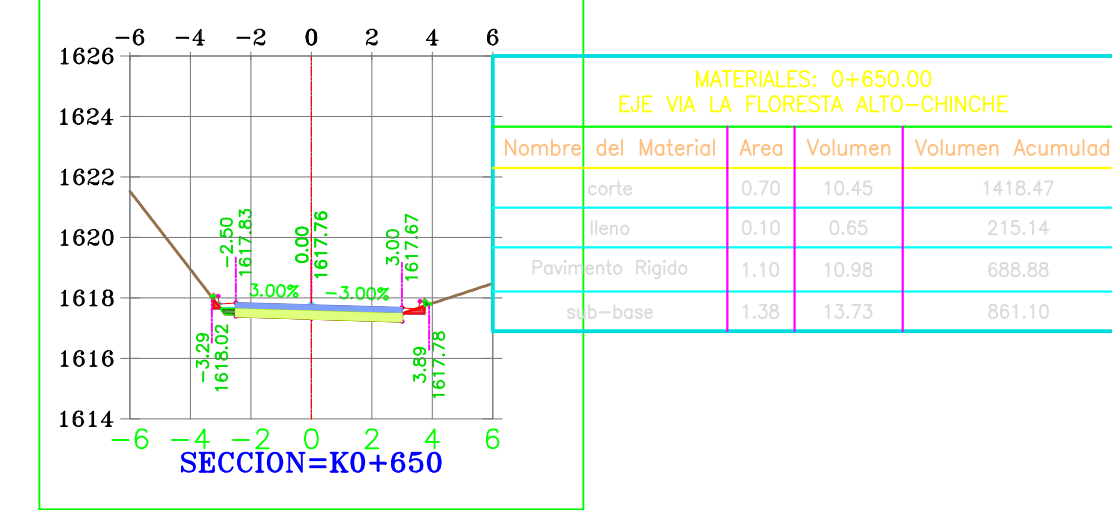
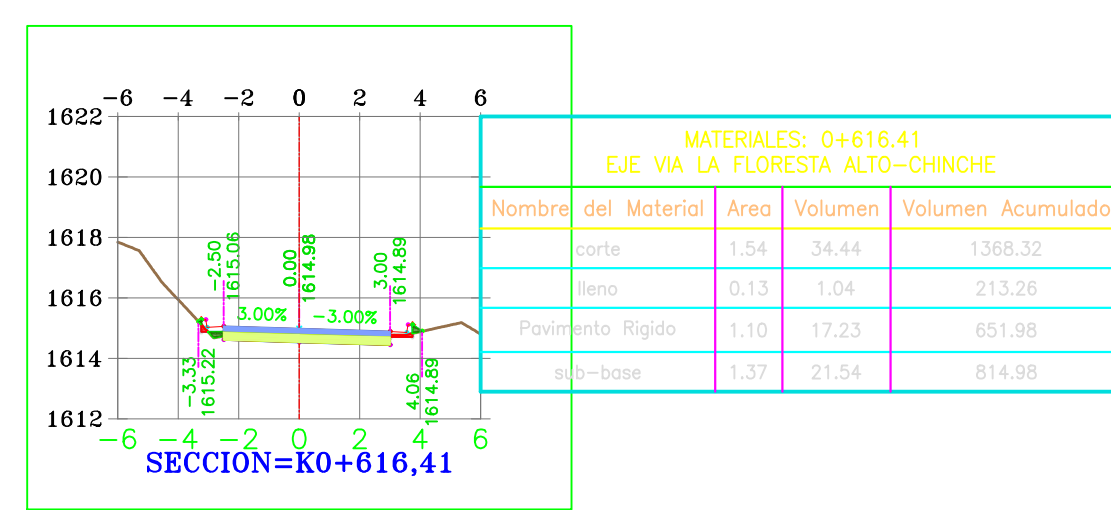
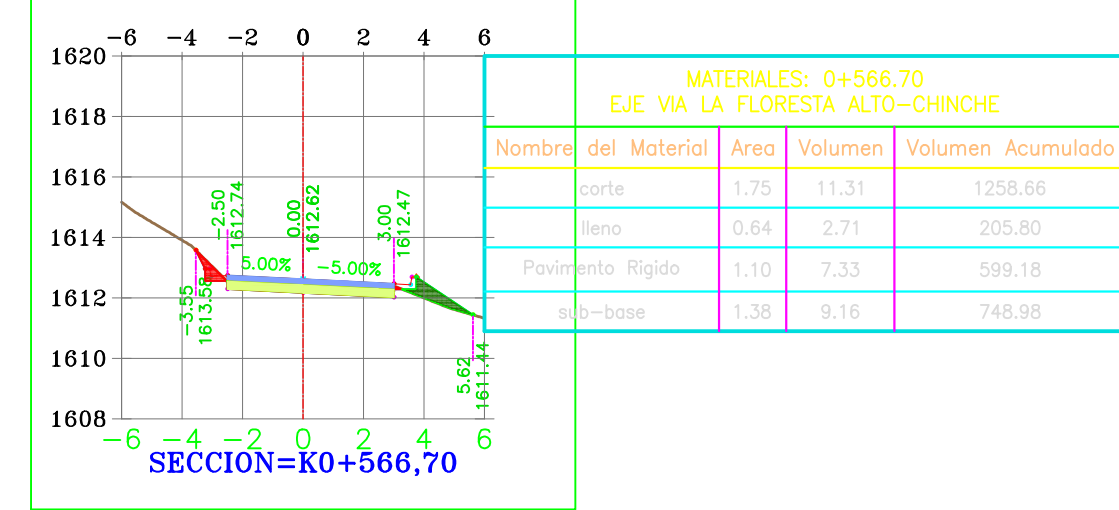
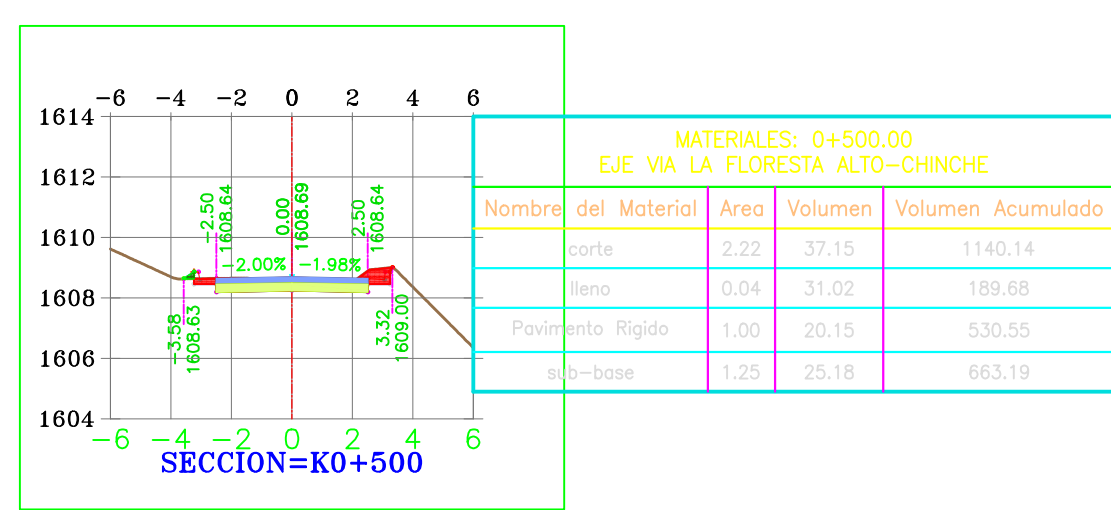
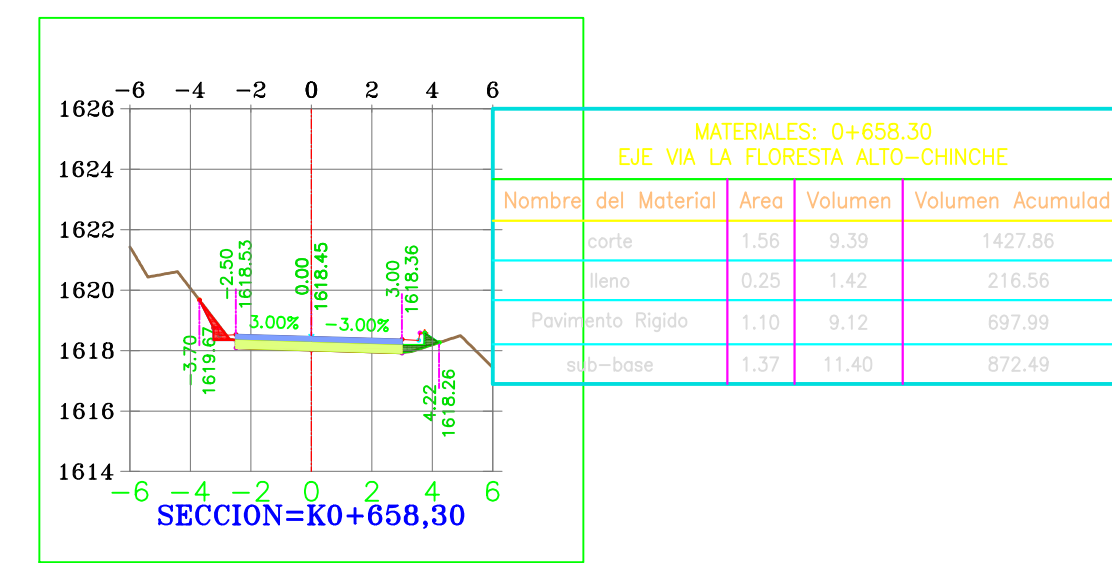
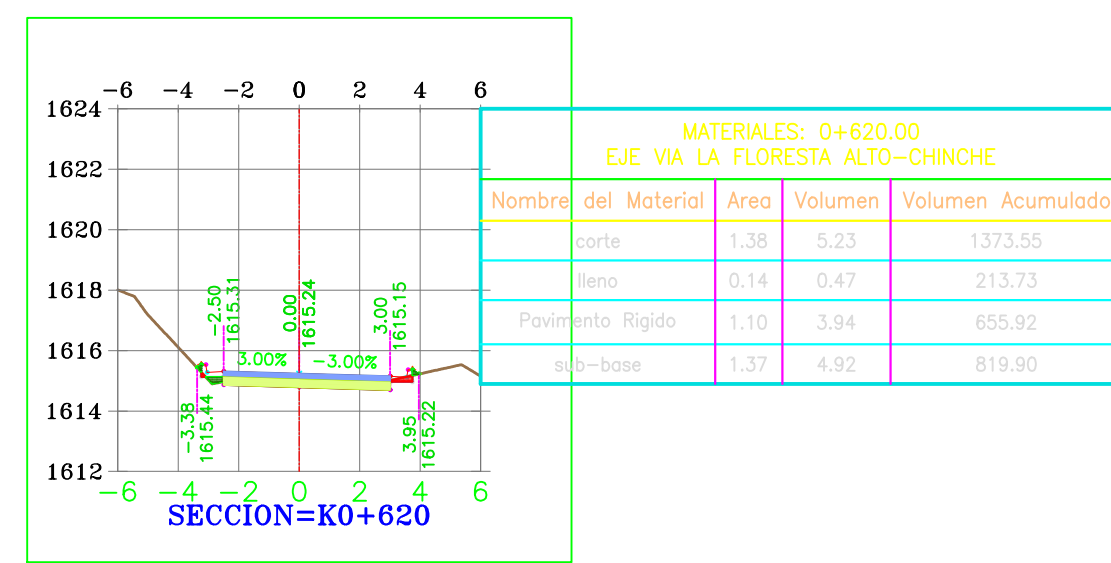
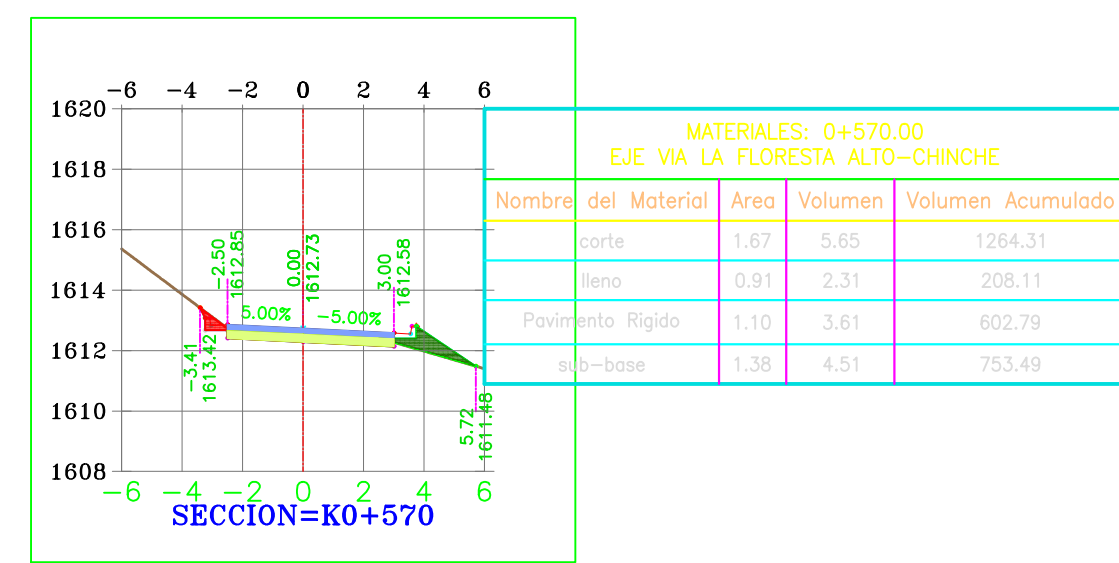
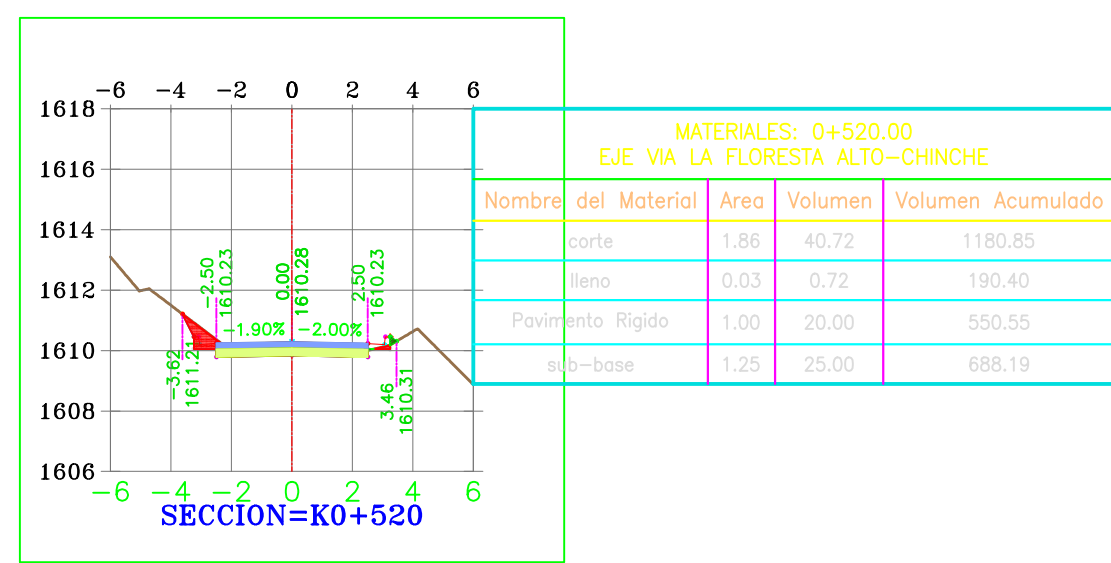
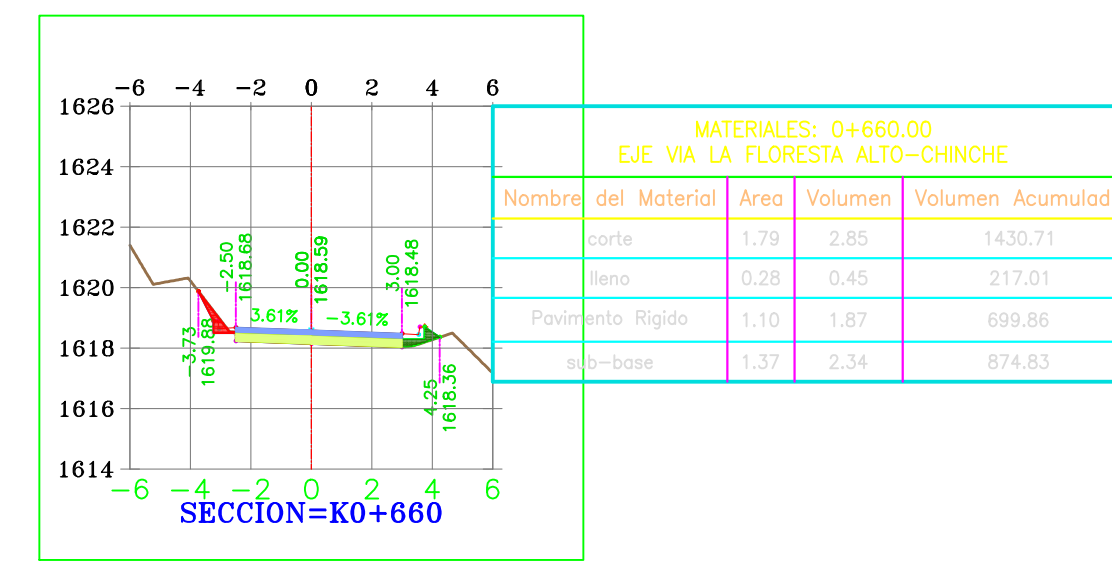
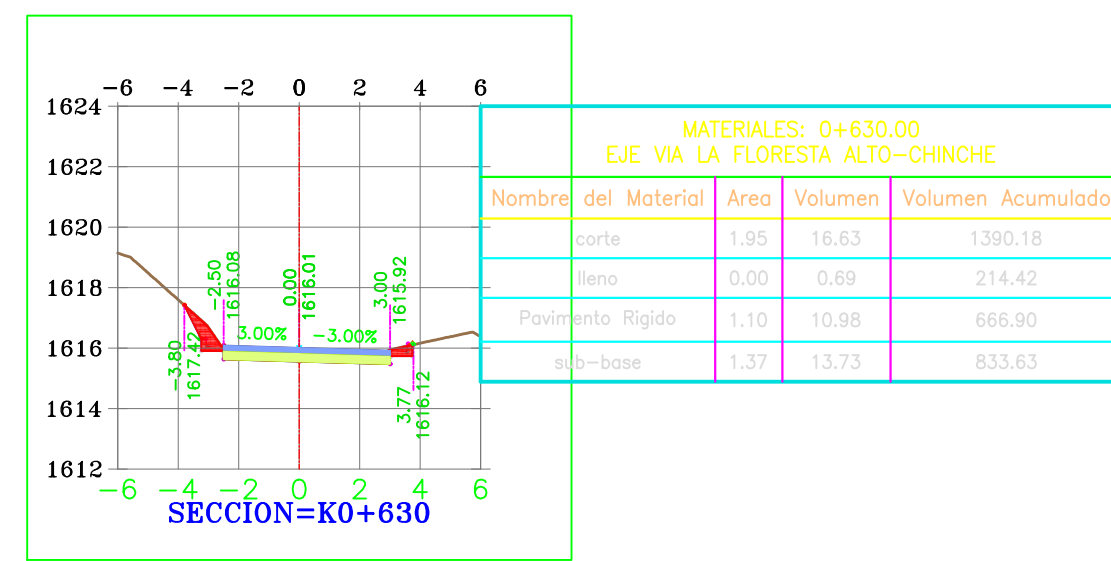
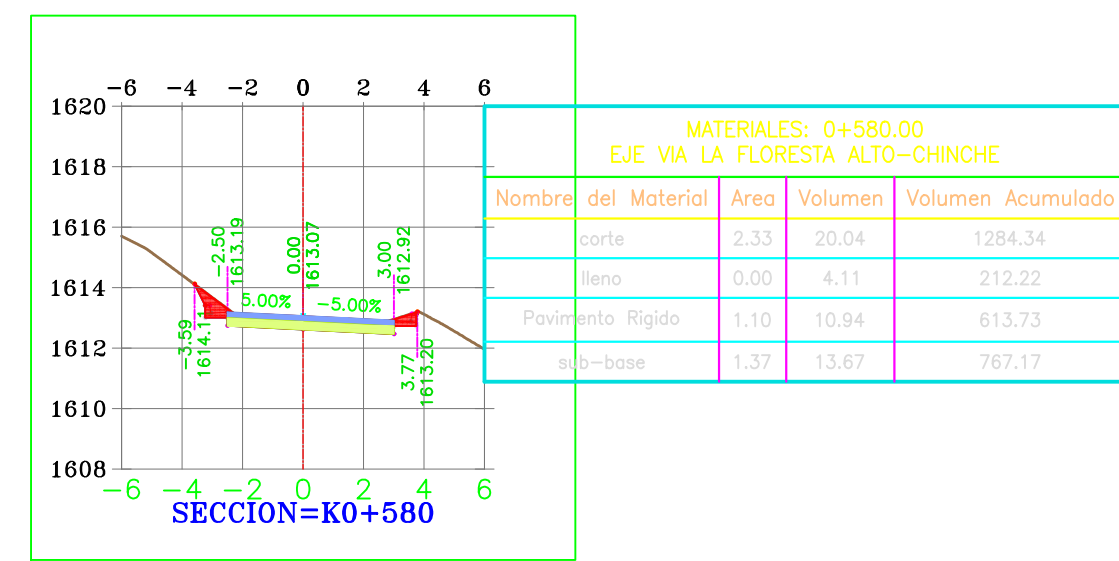
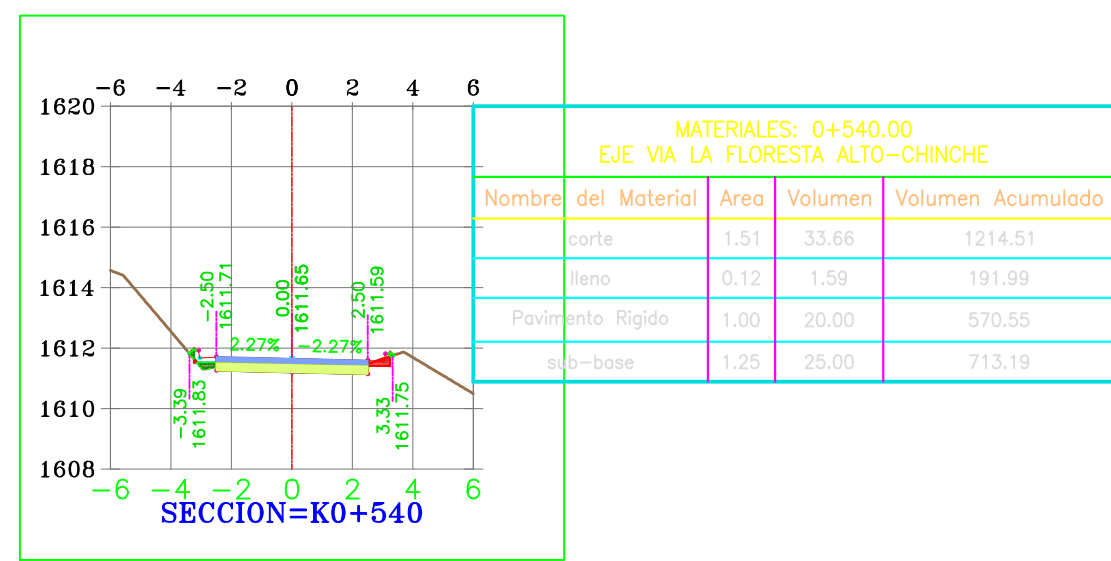
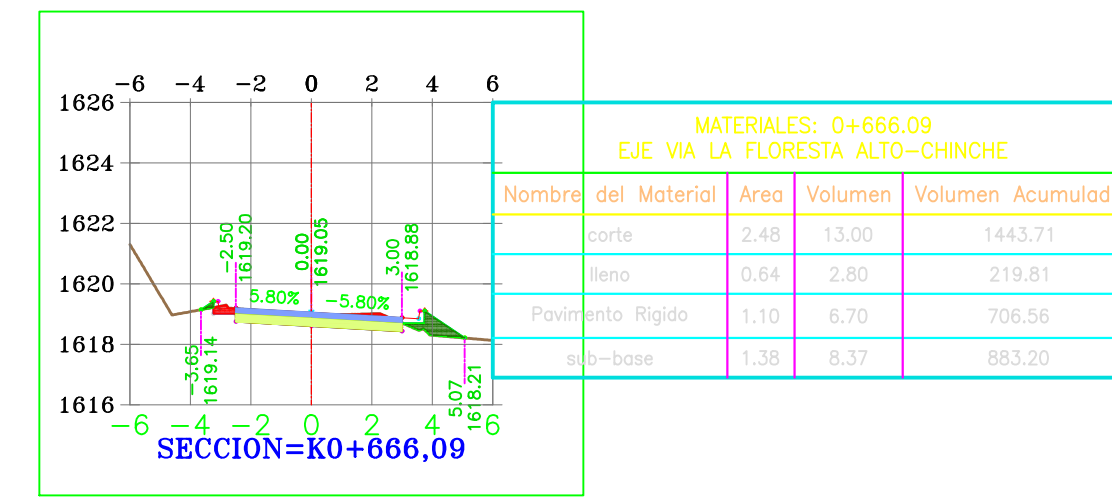
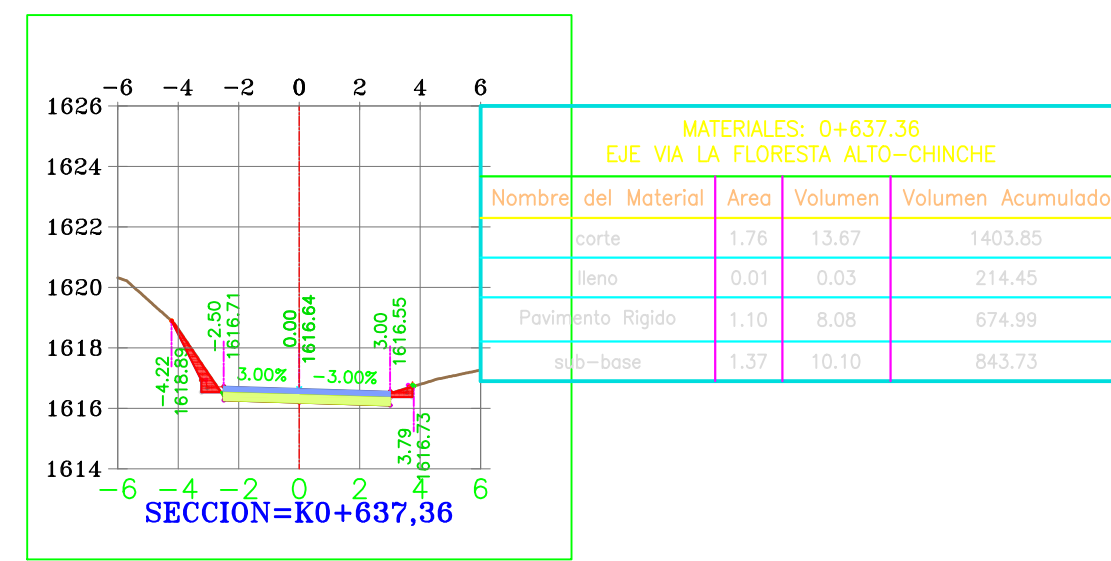
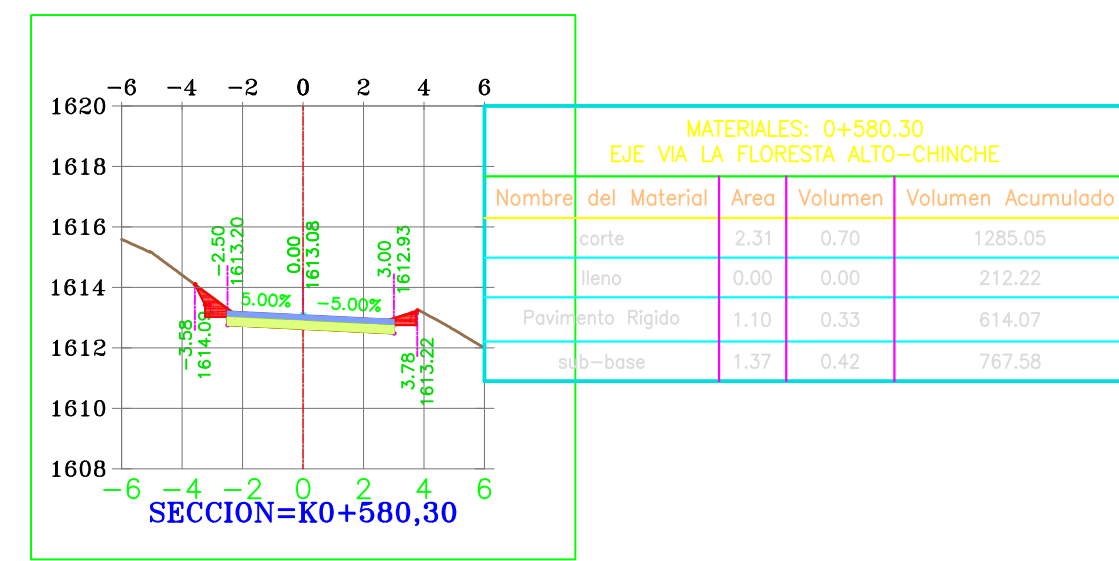
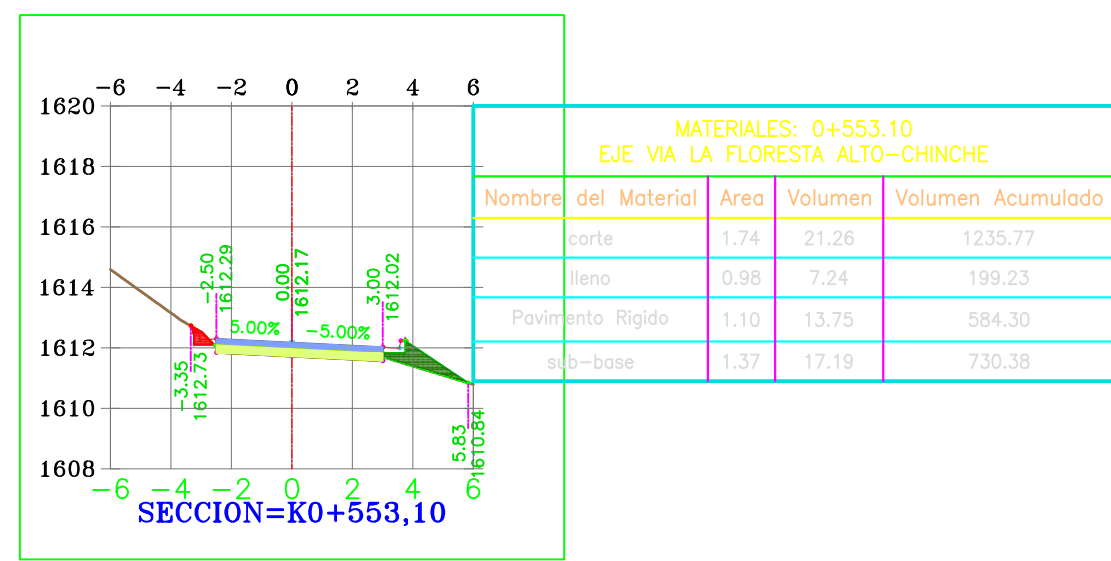
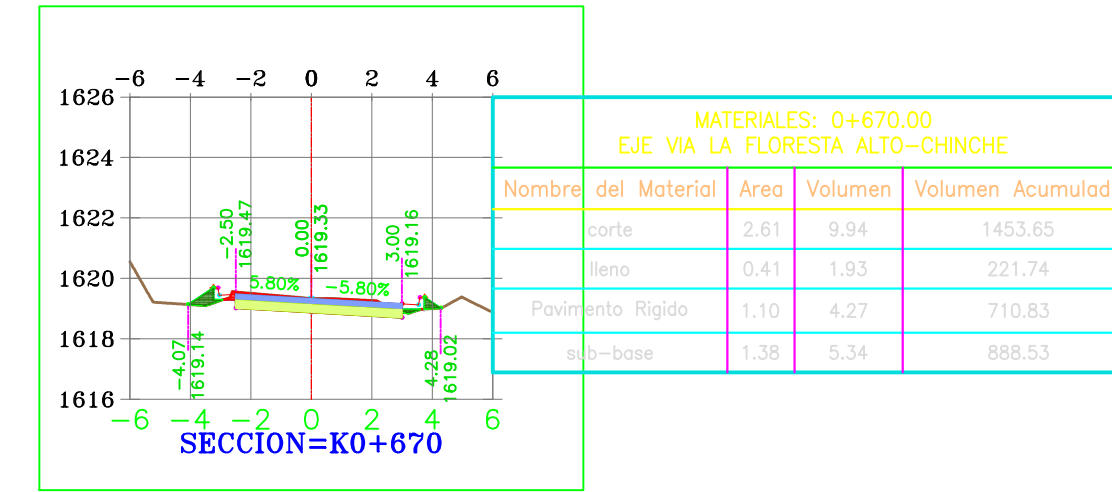
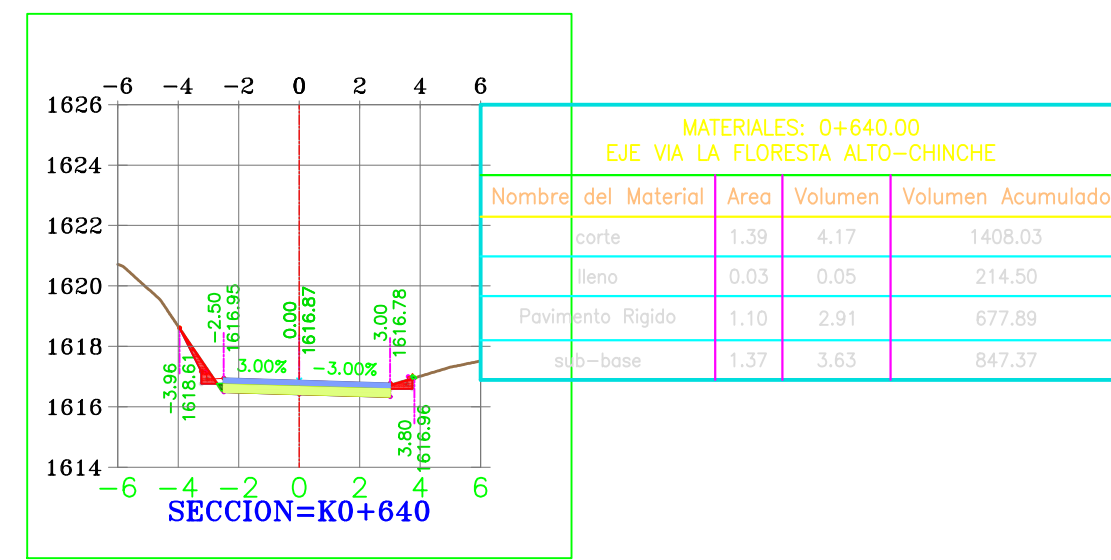
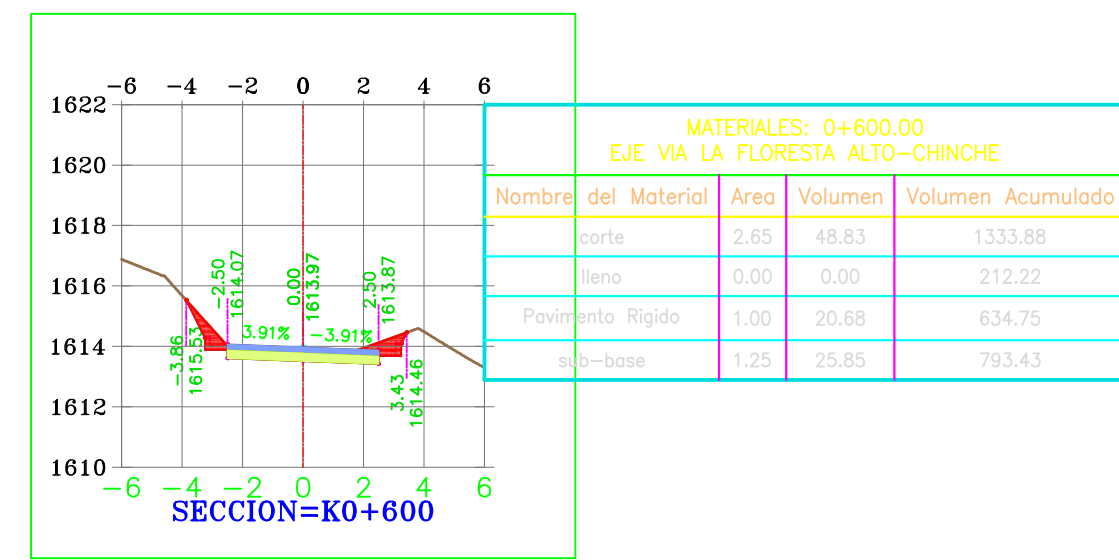
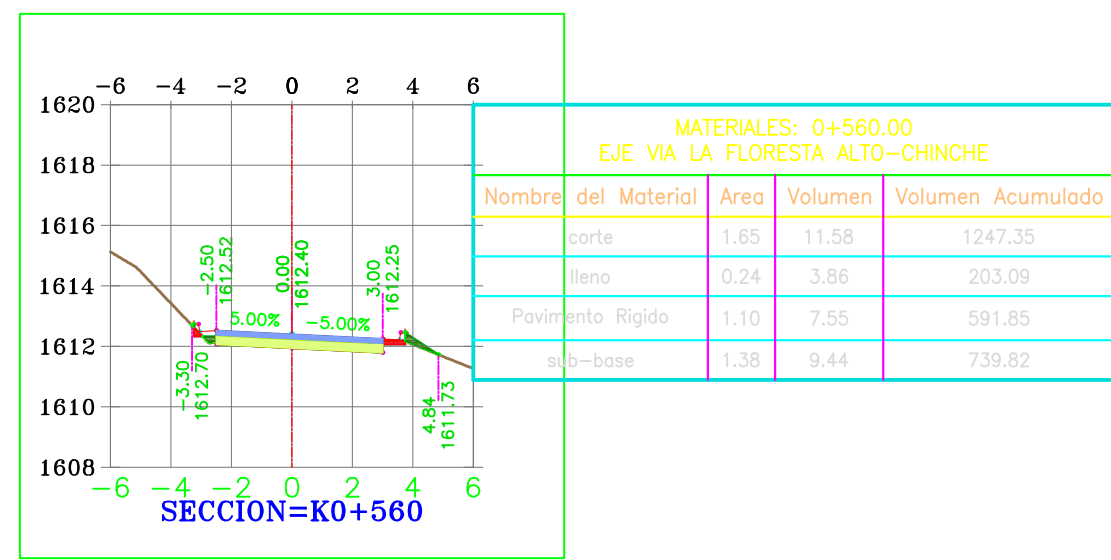
DIBUJO:
CONGRESUELOS

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**

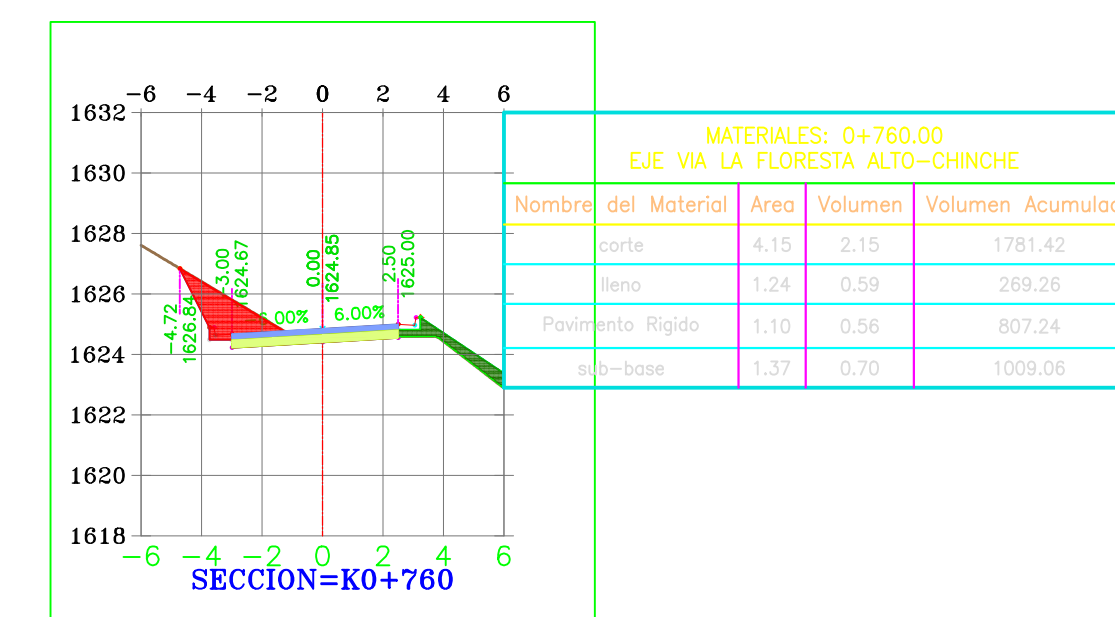
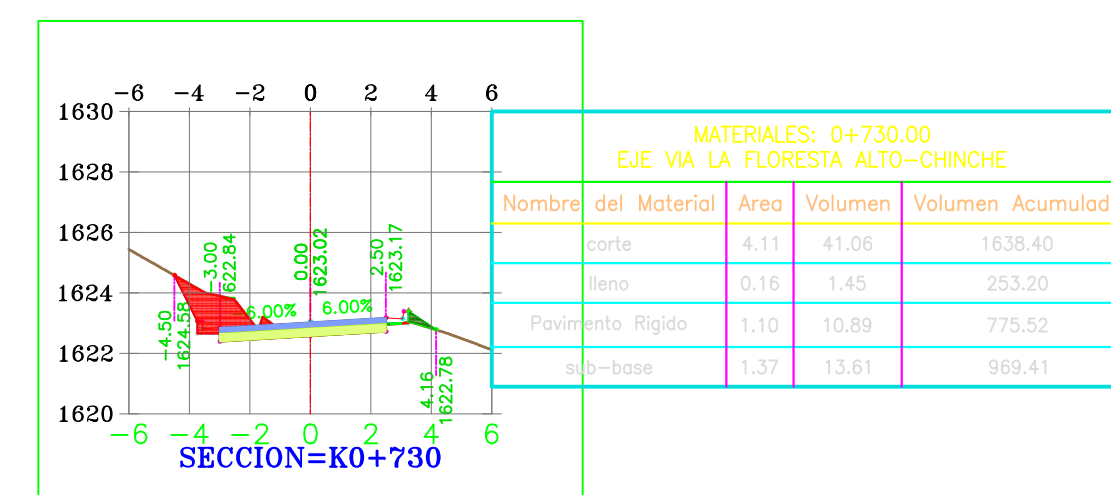
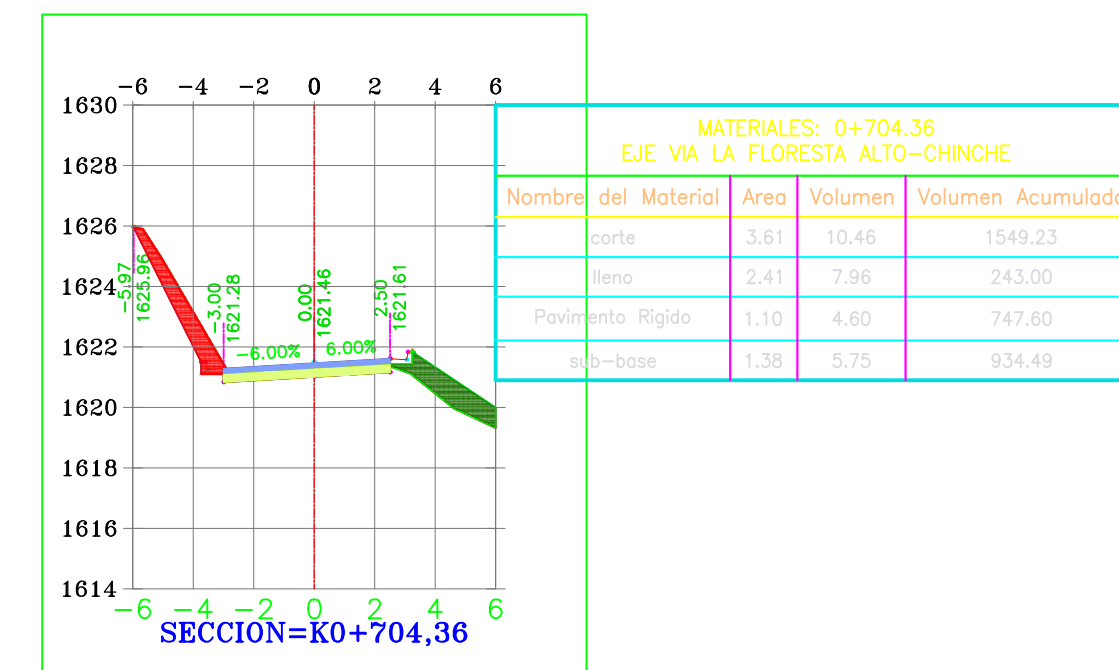
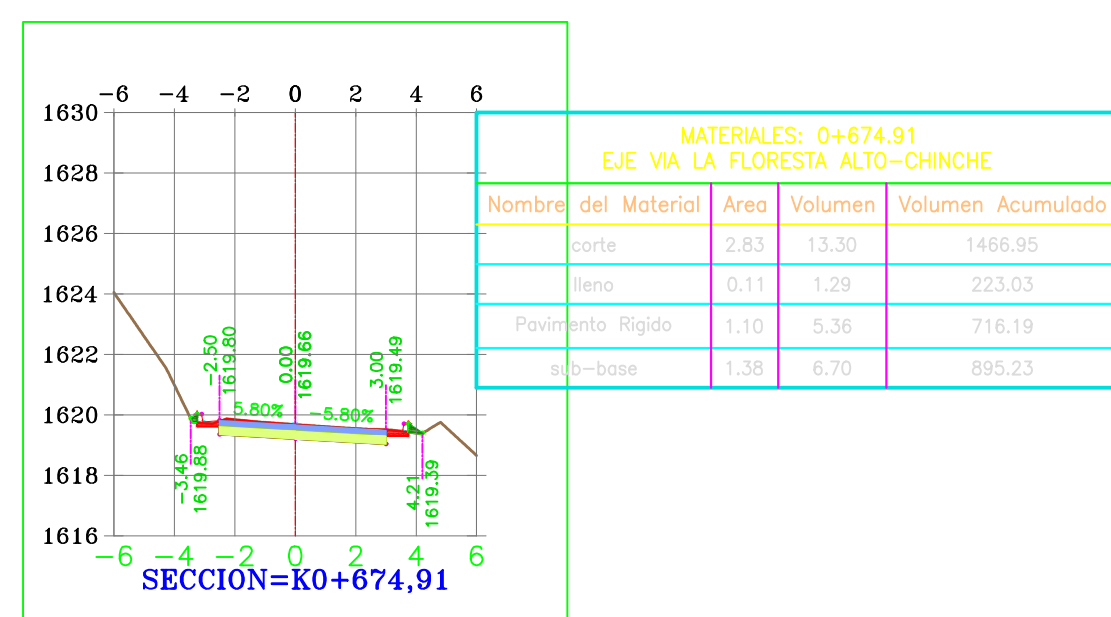
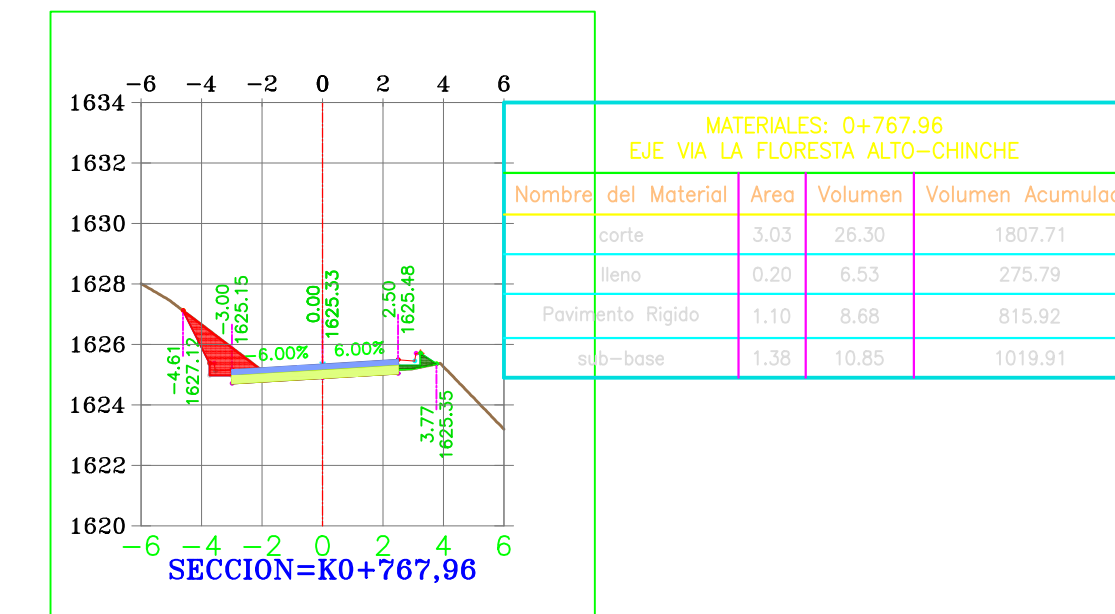
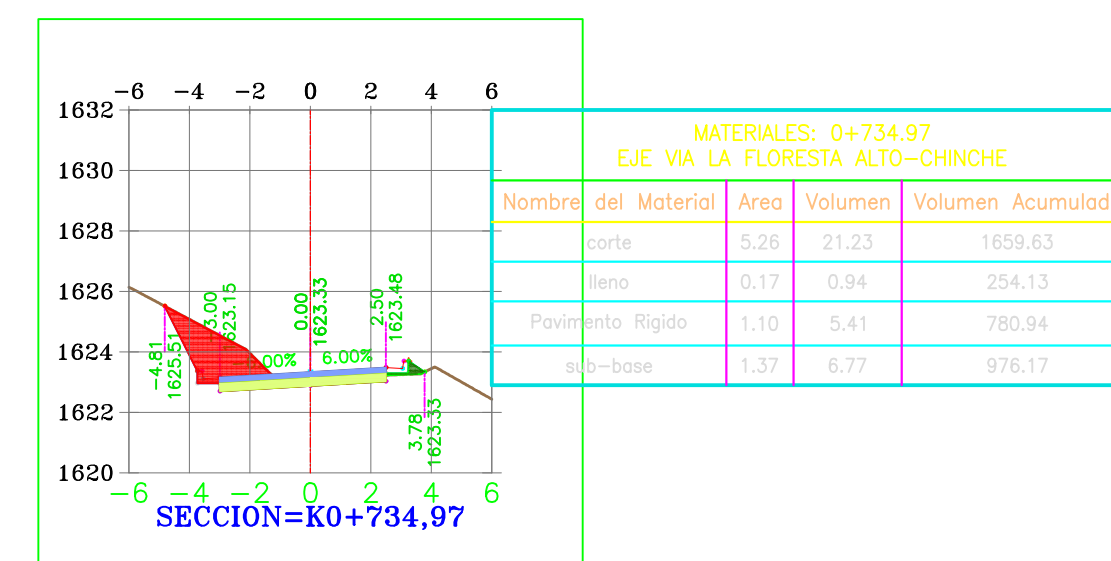
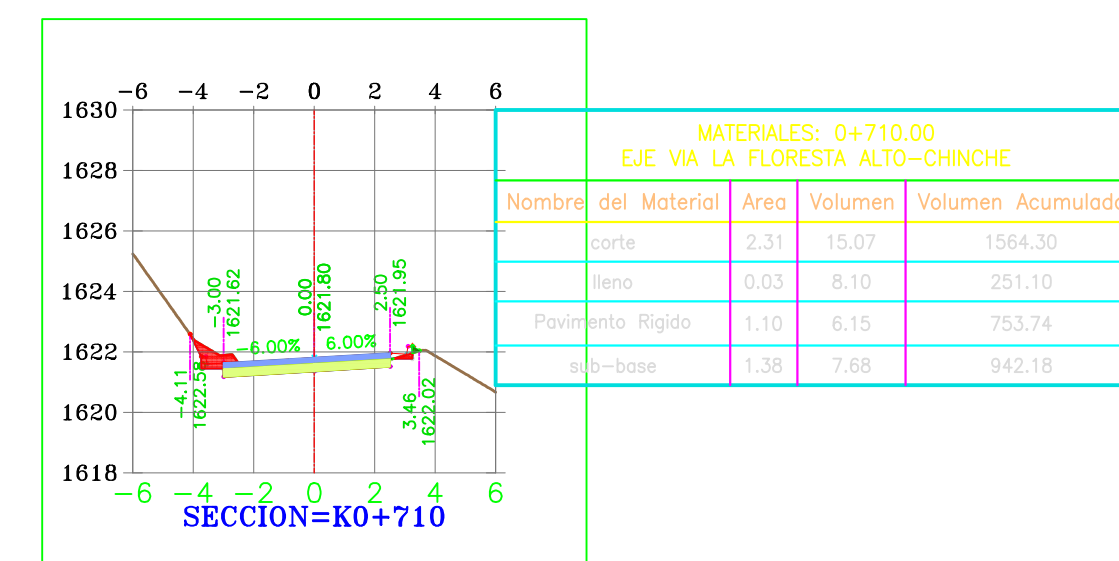
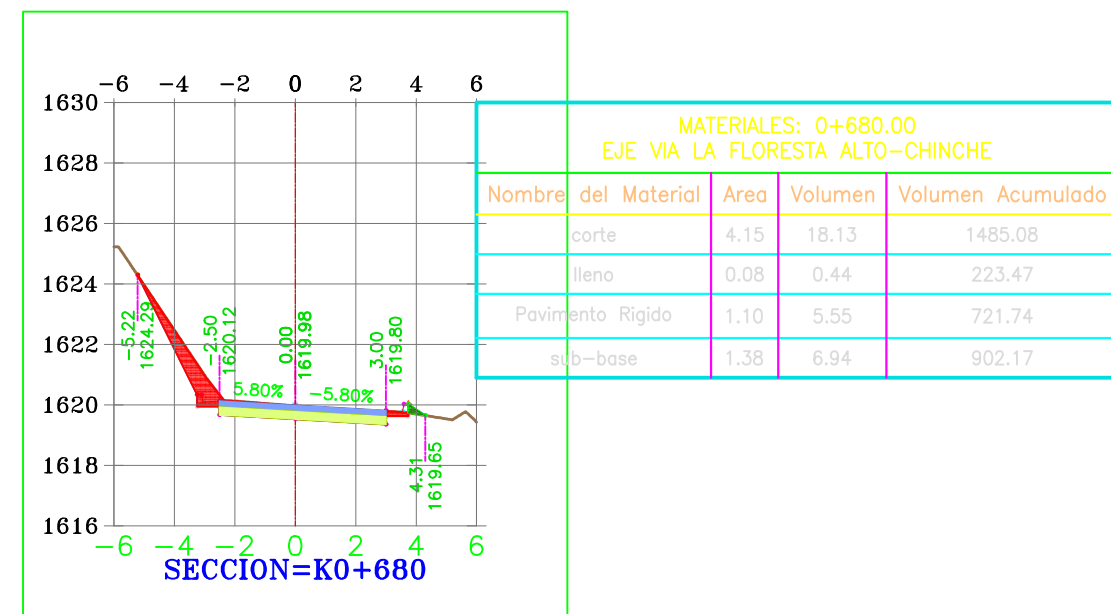
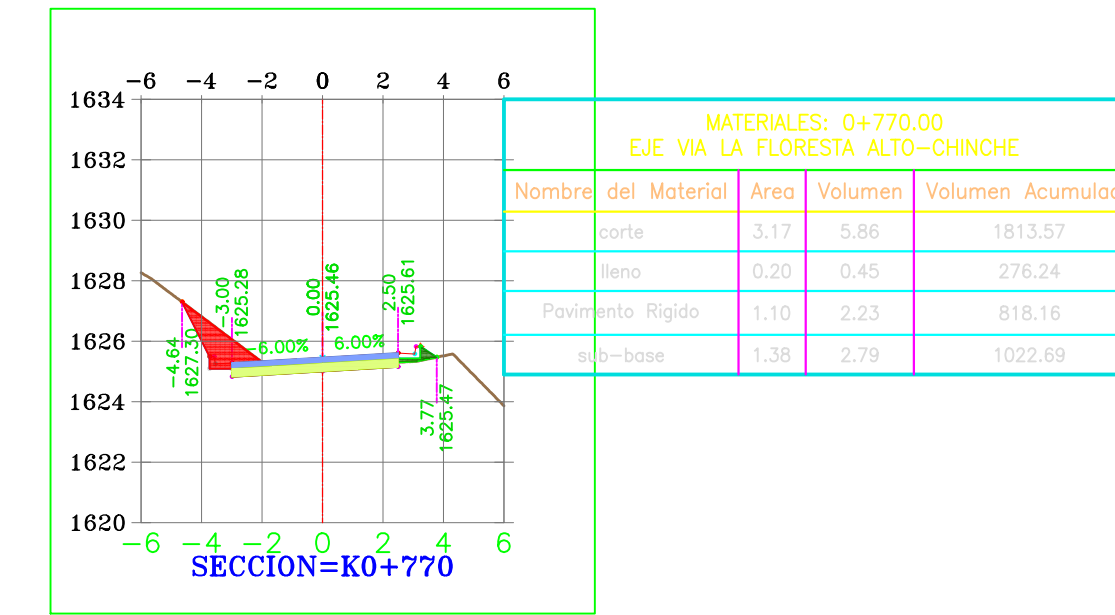
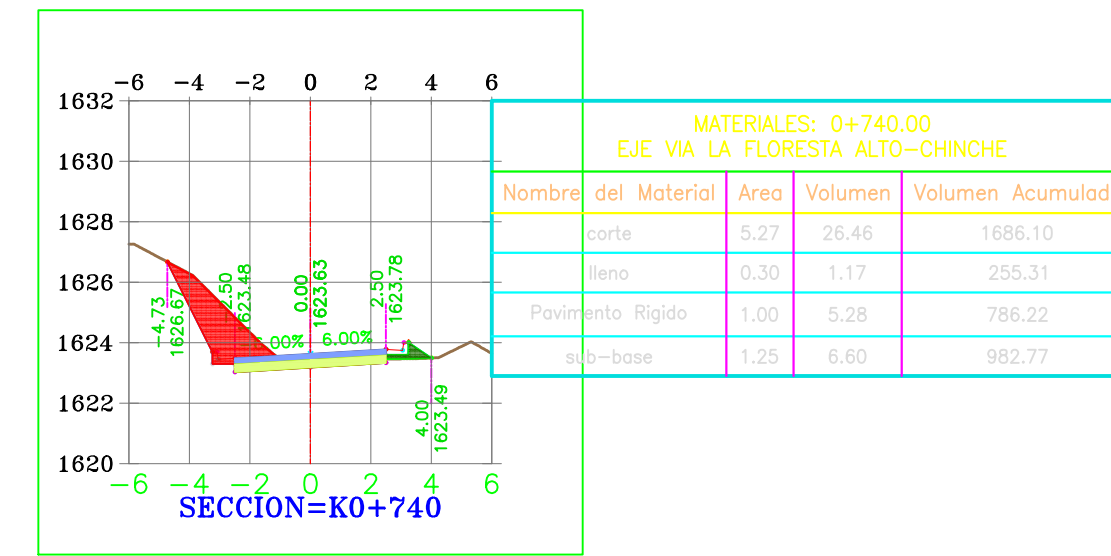
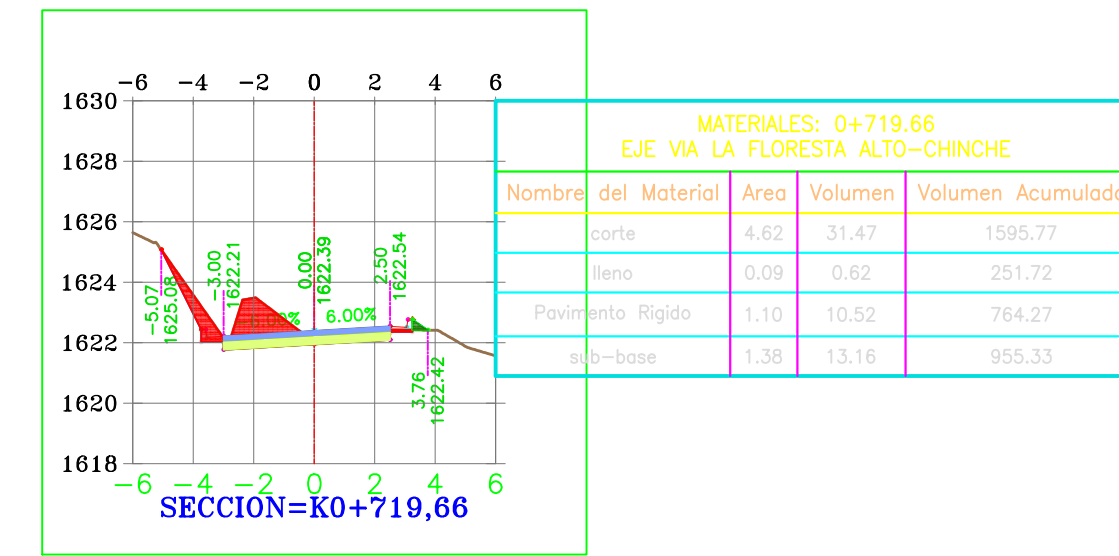
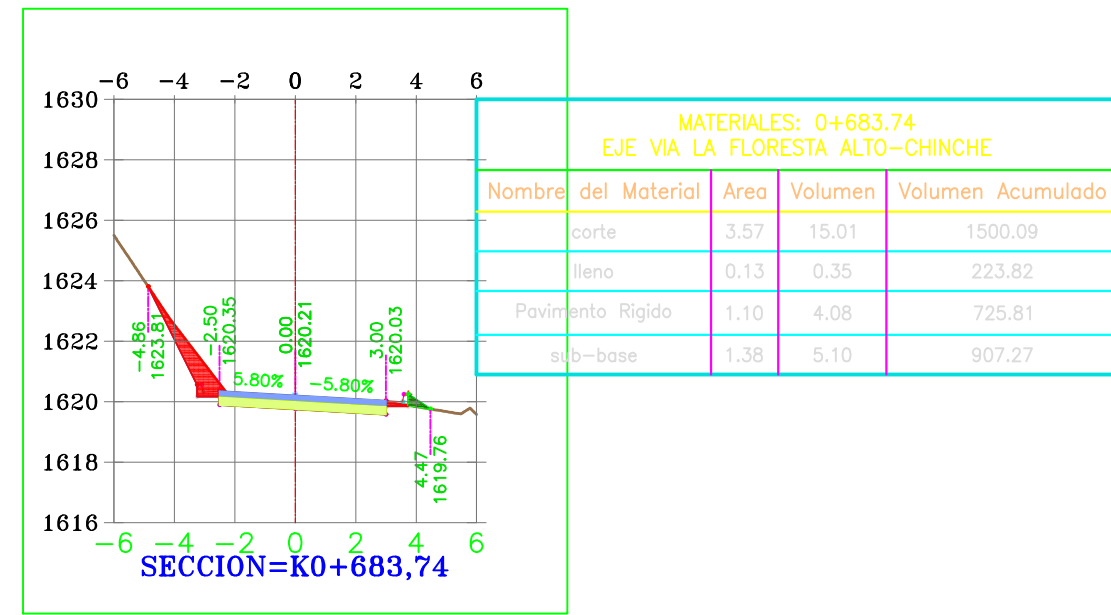
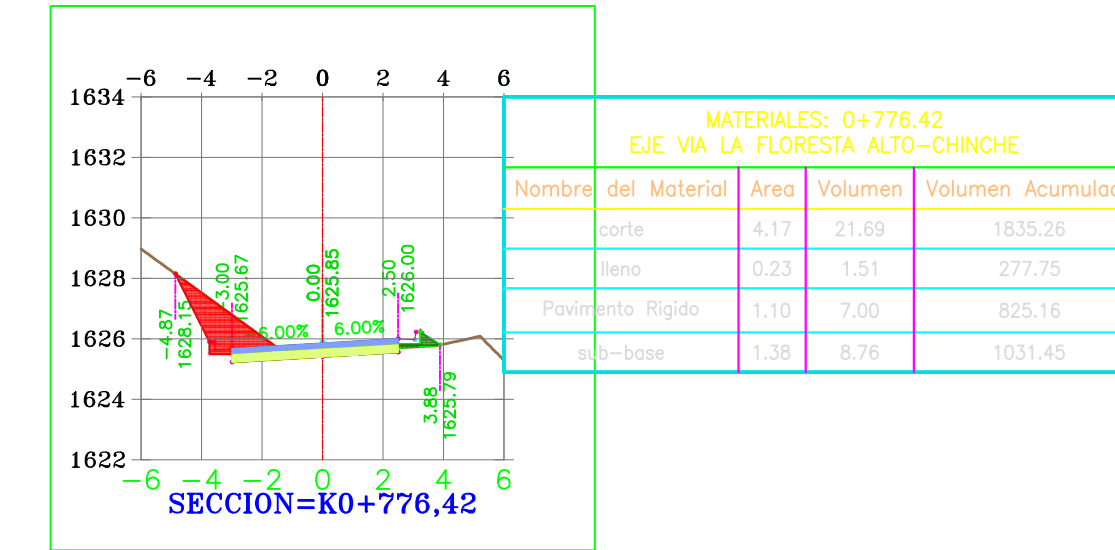
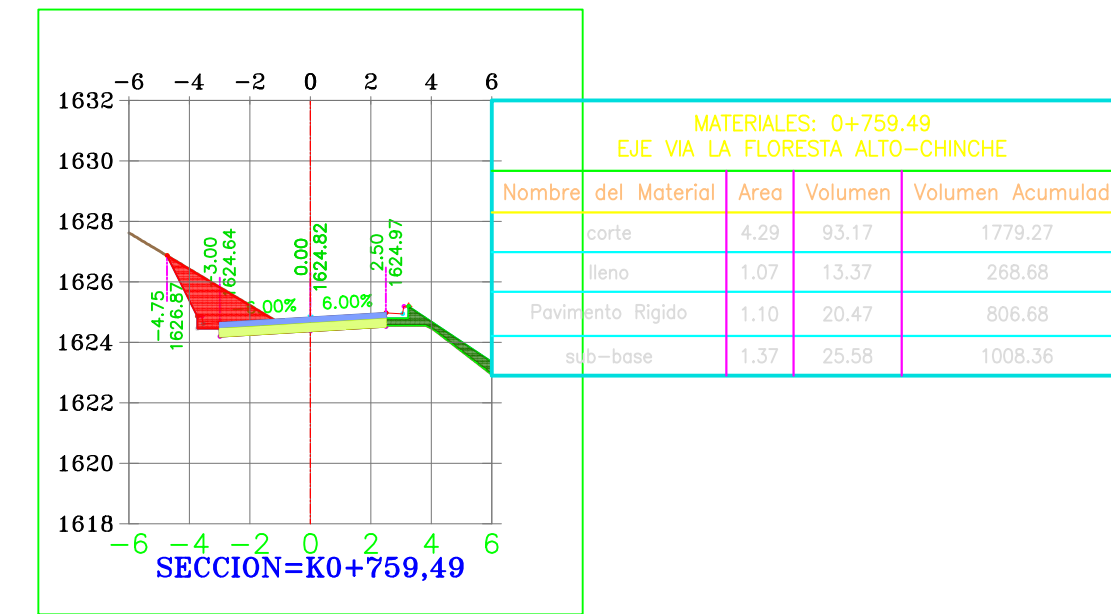
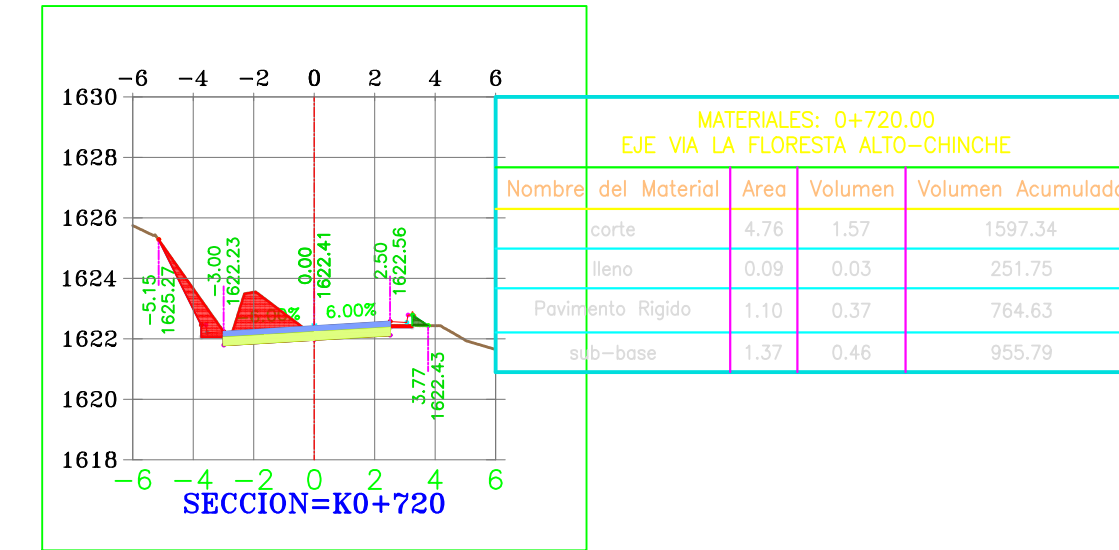
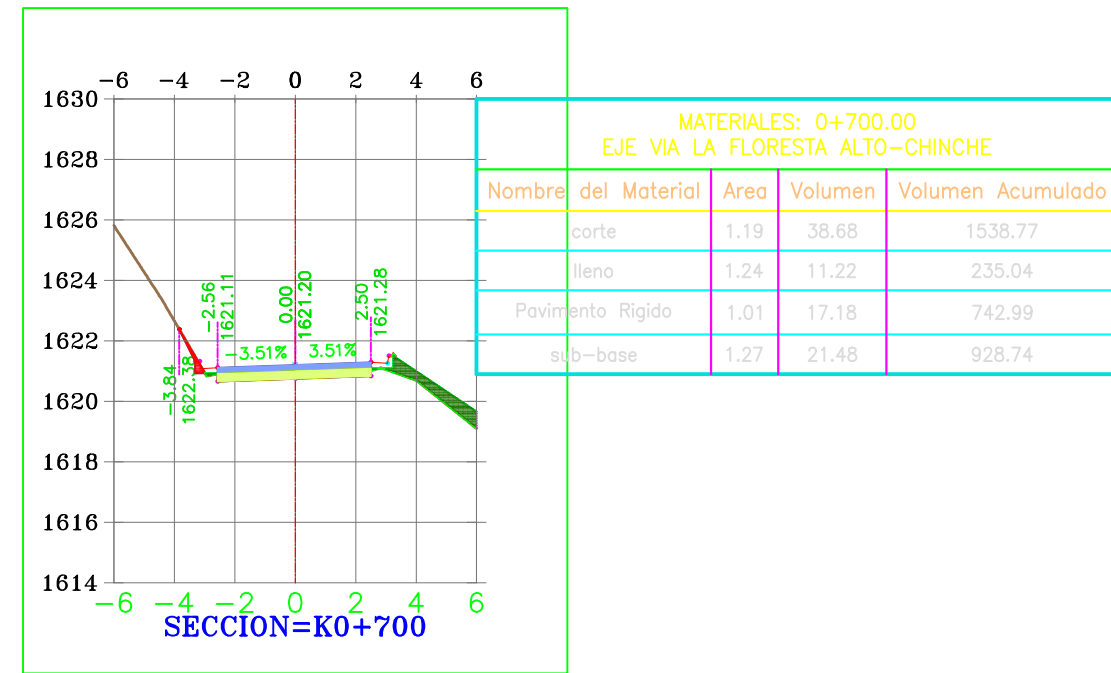
DIBUJO:
CONGRESUELOS

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

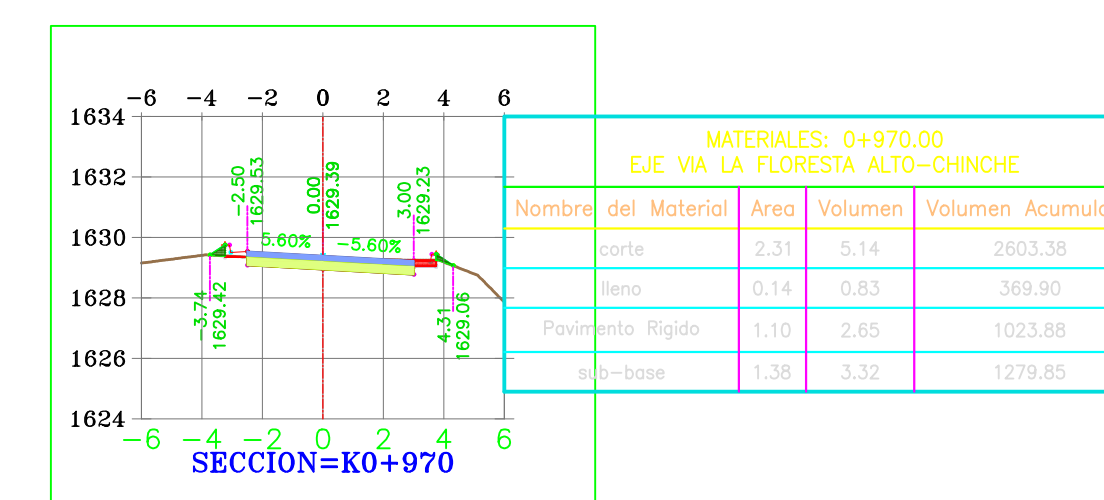
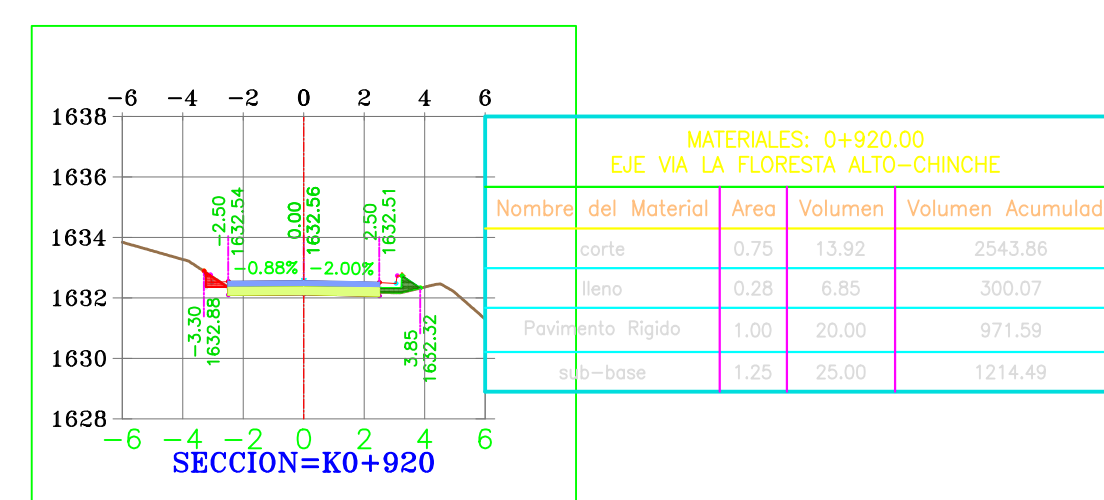
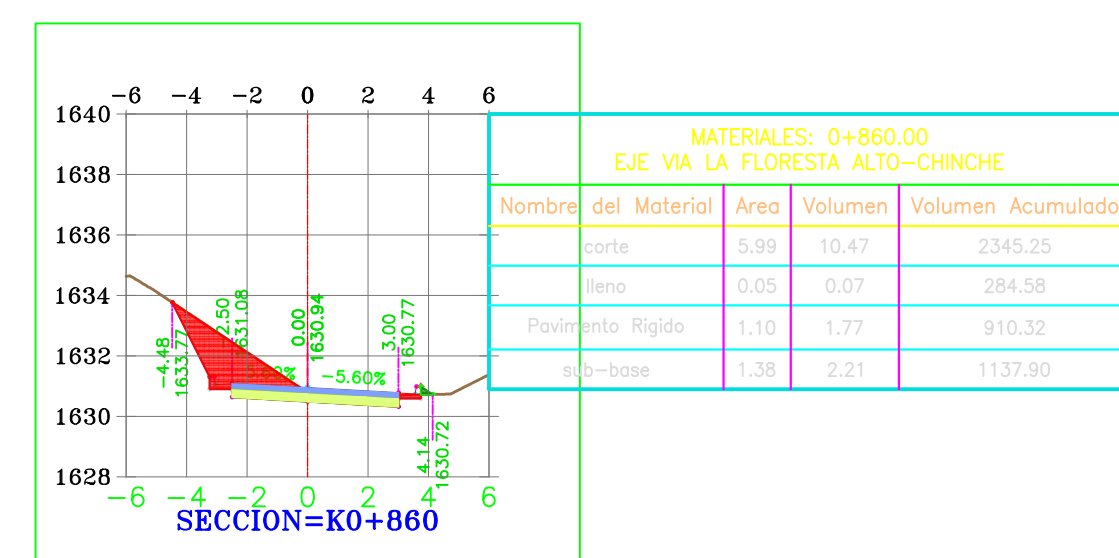
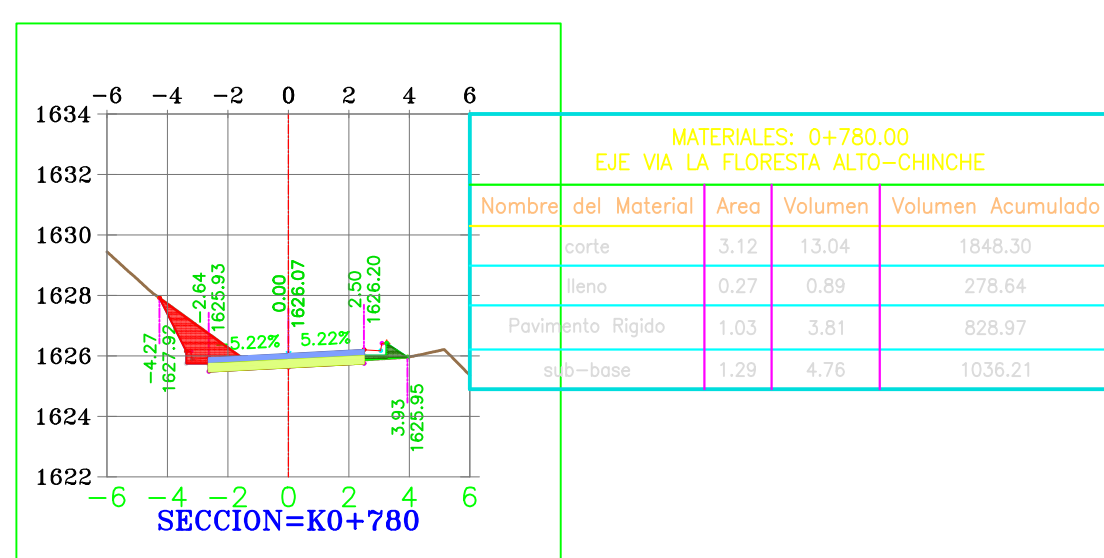
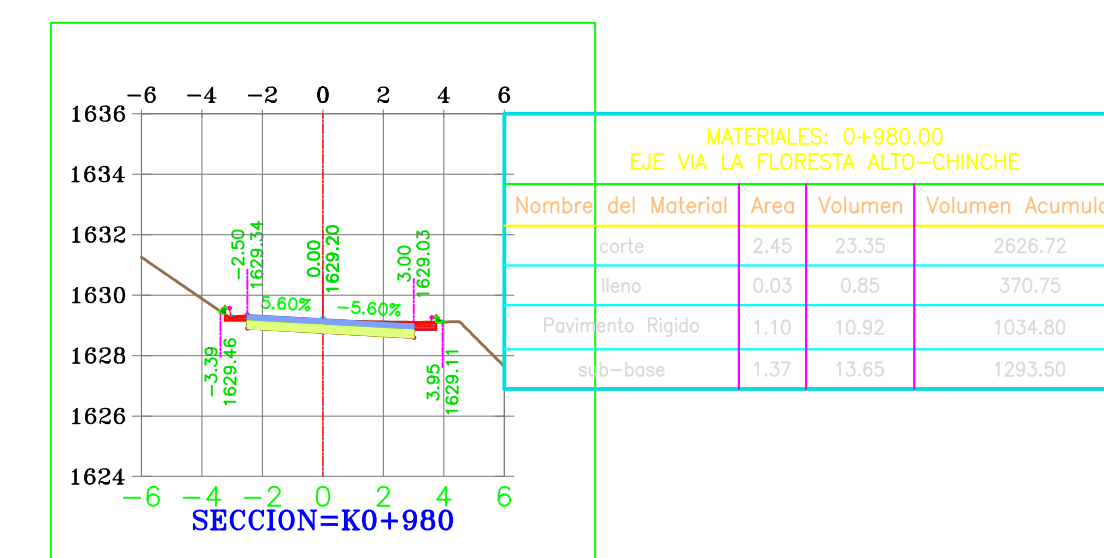
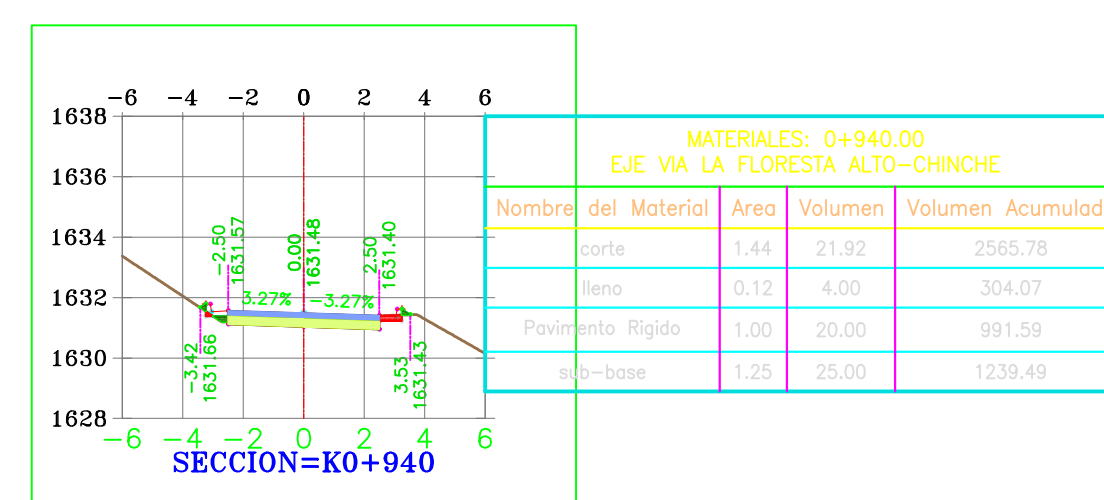
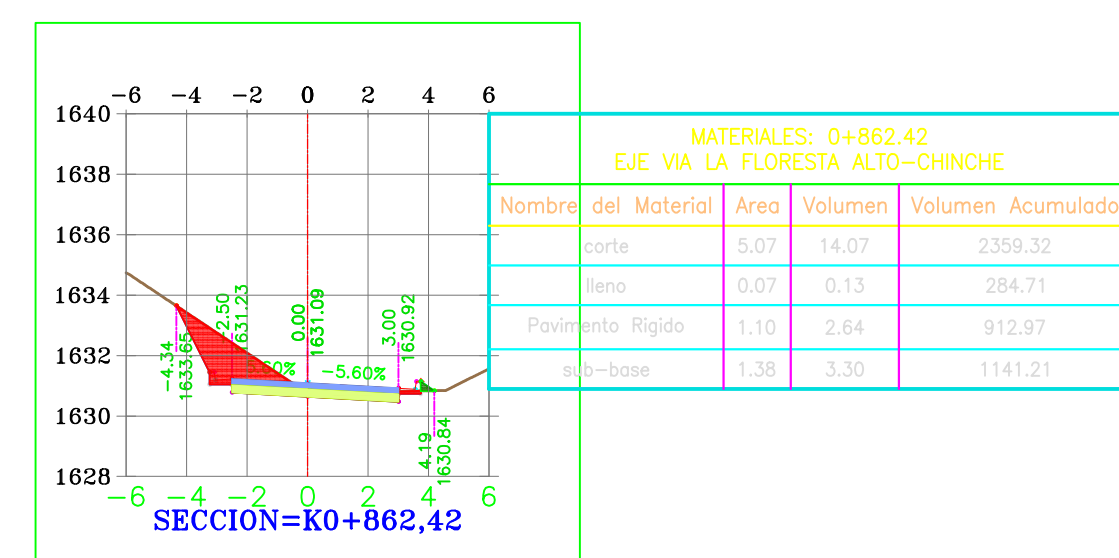
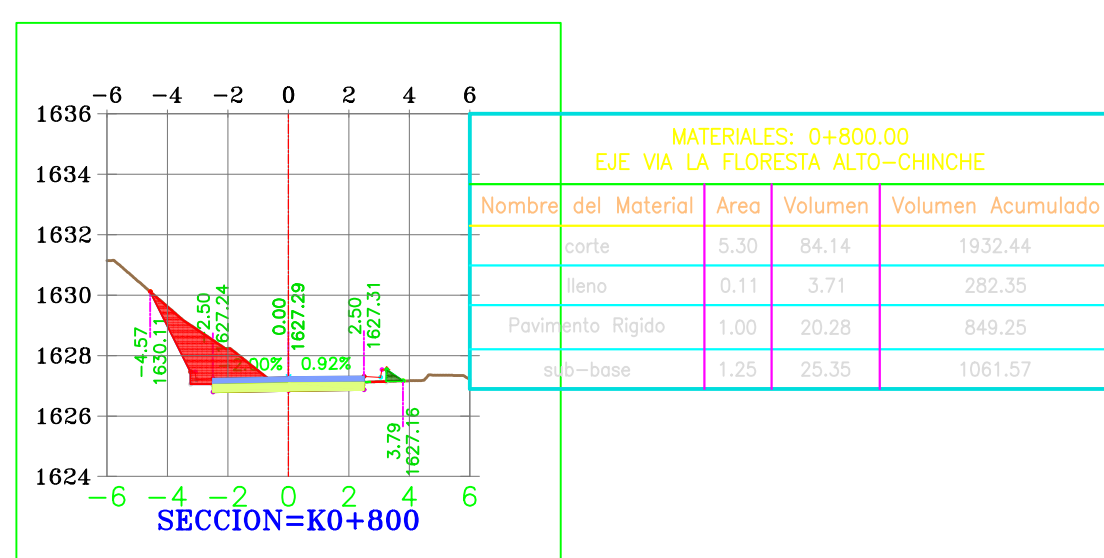
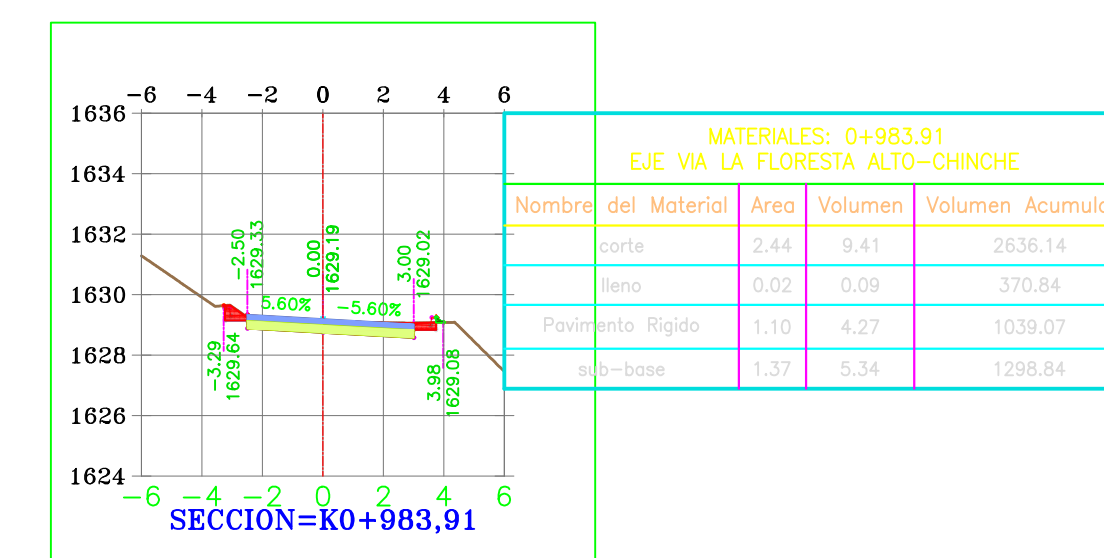
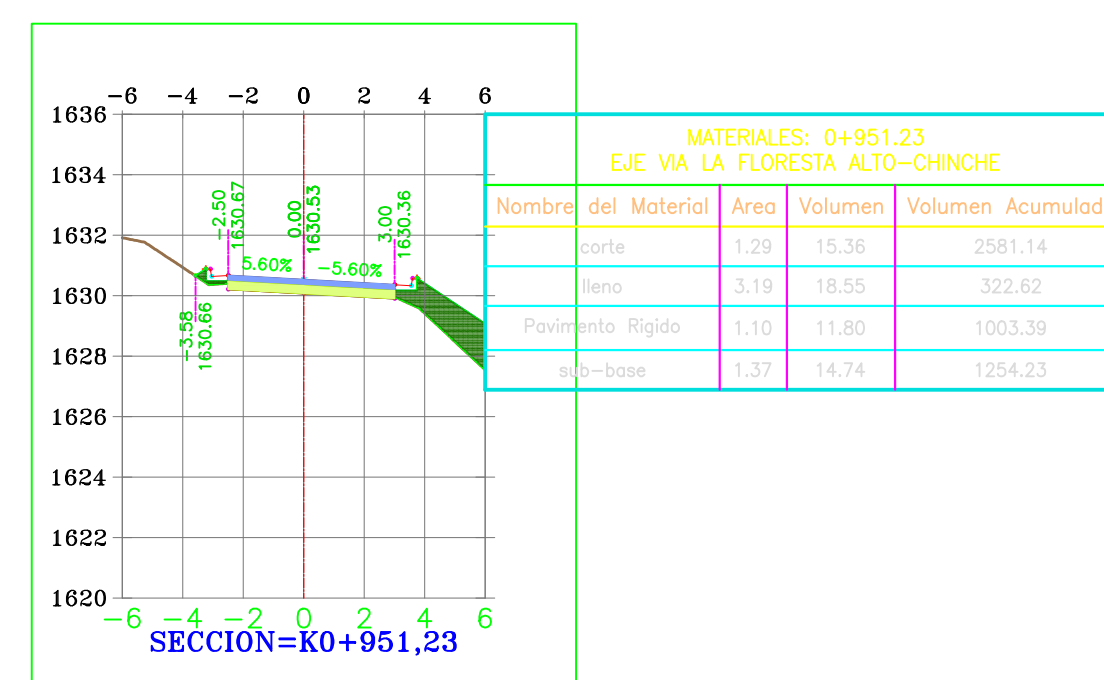
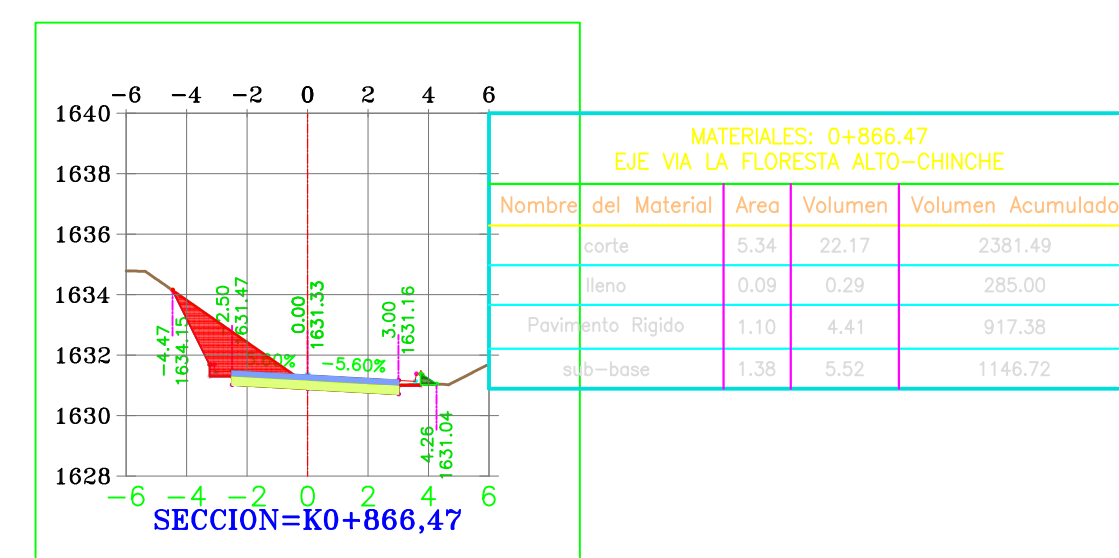
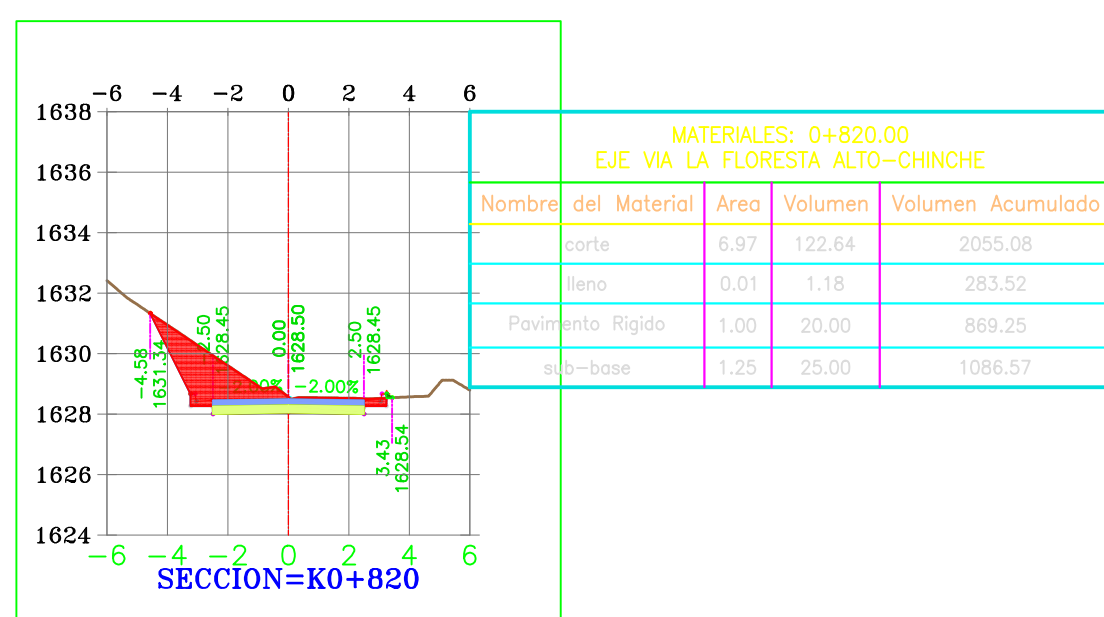
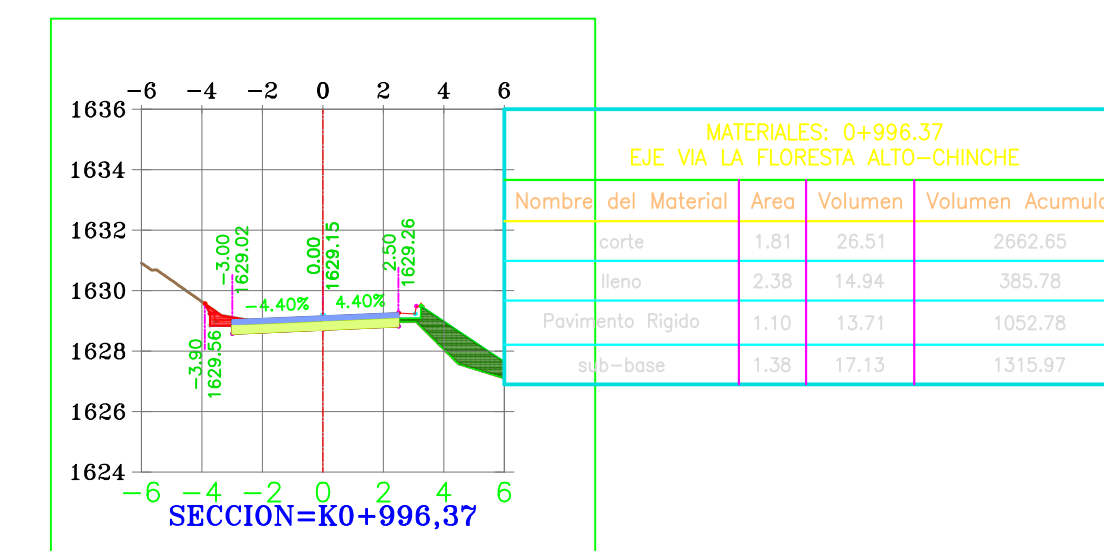
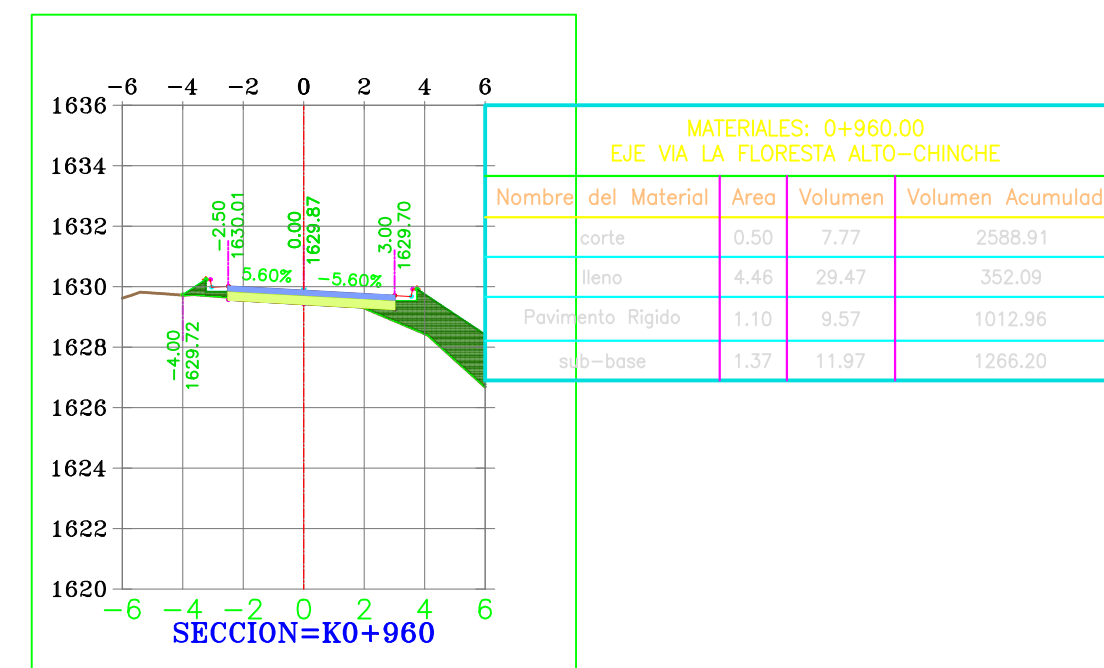
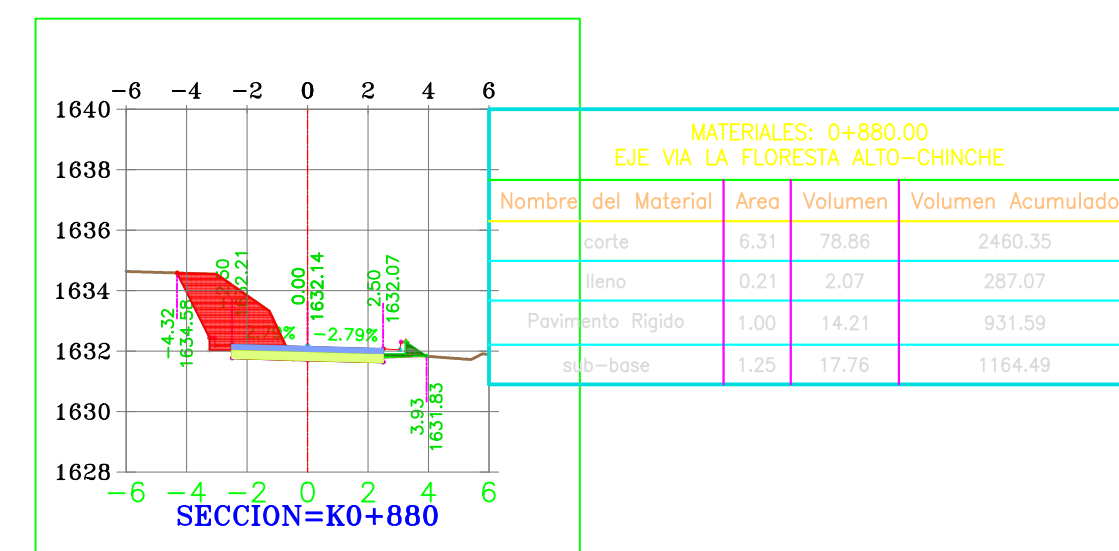
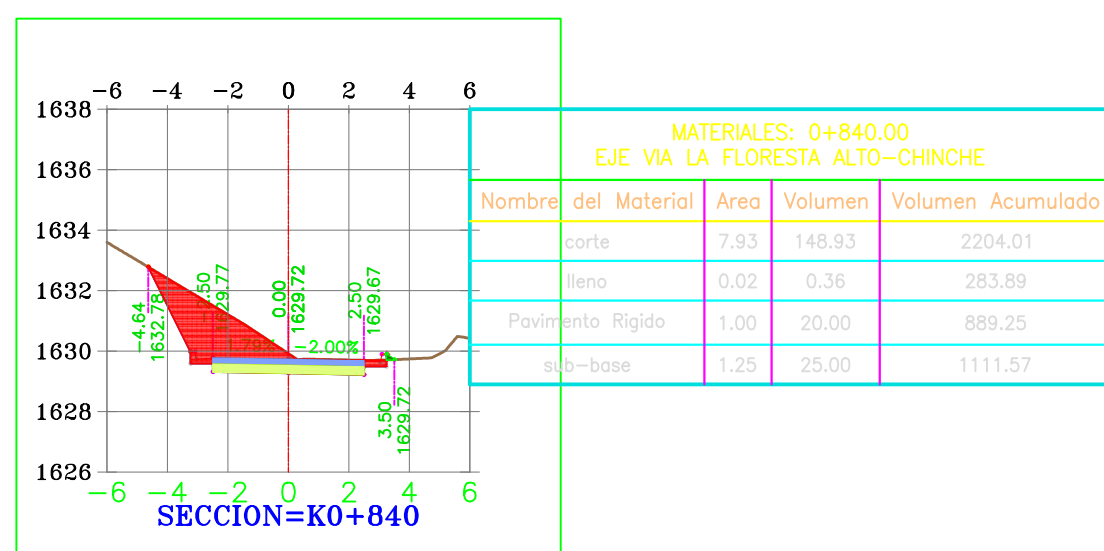
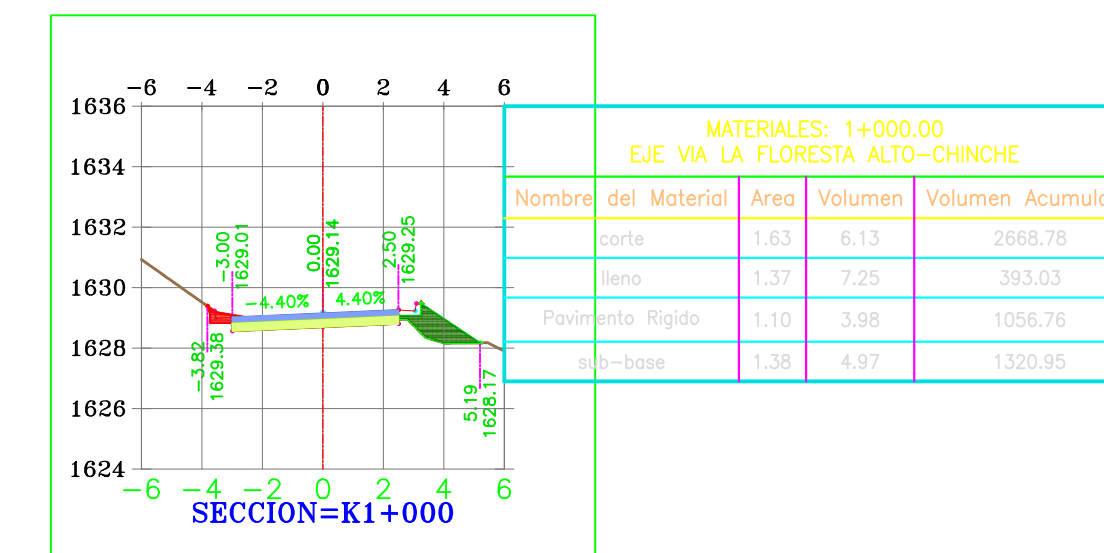
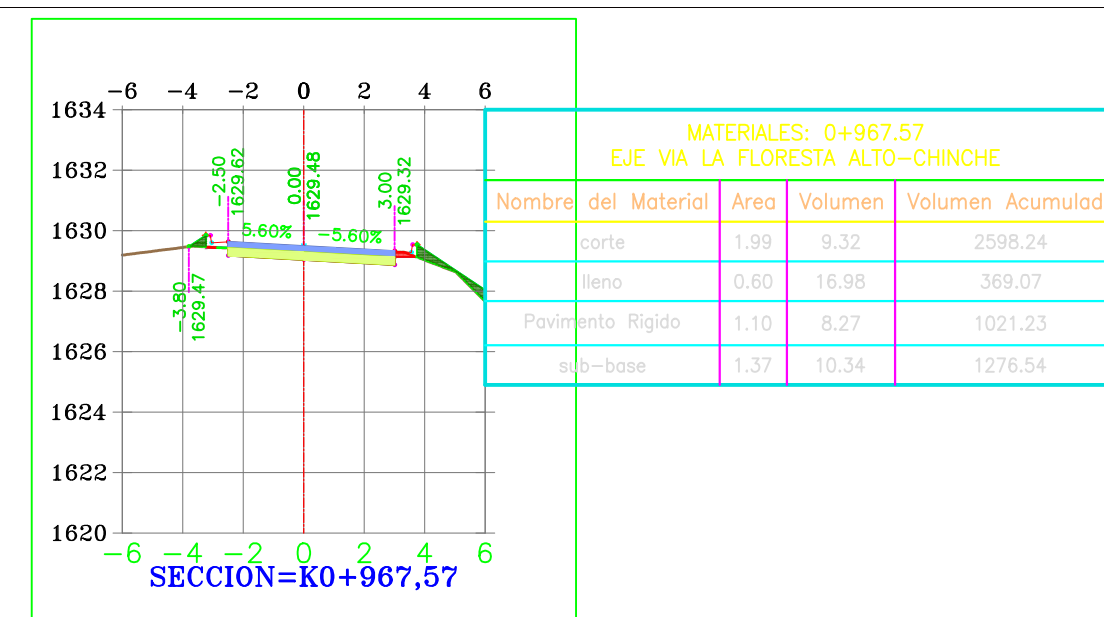
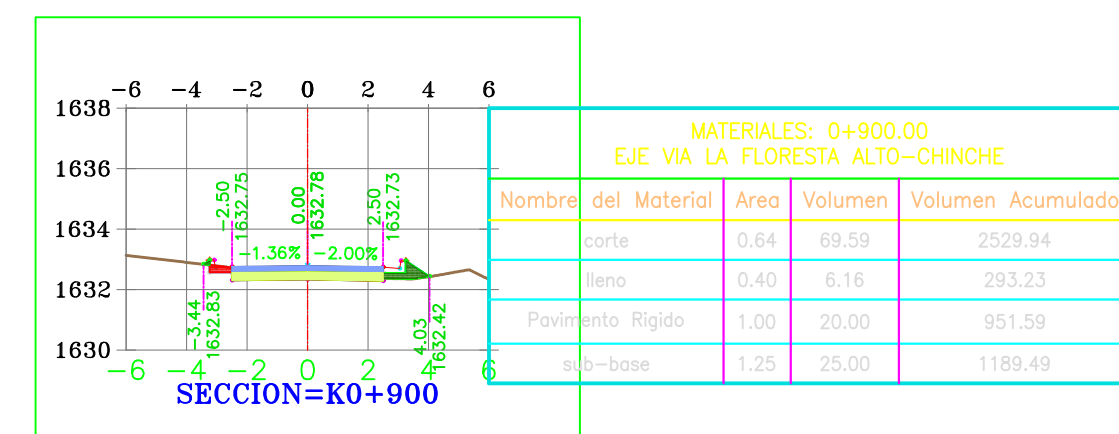
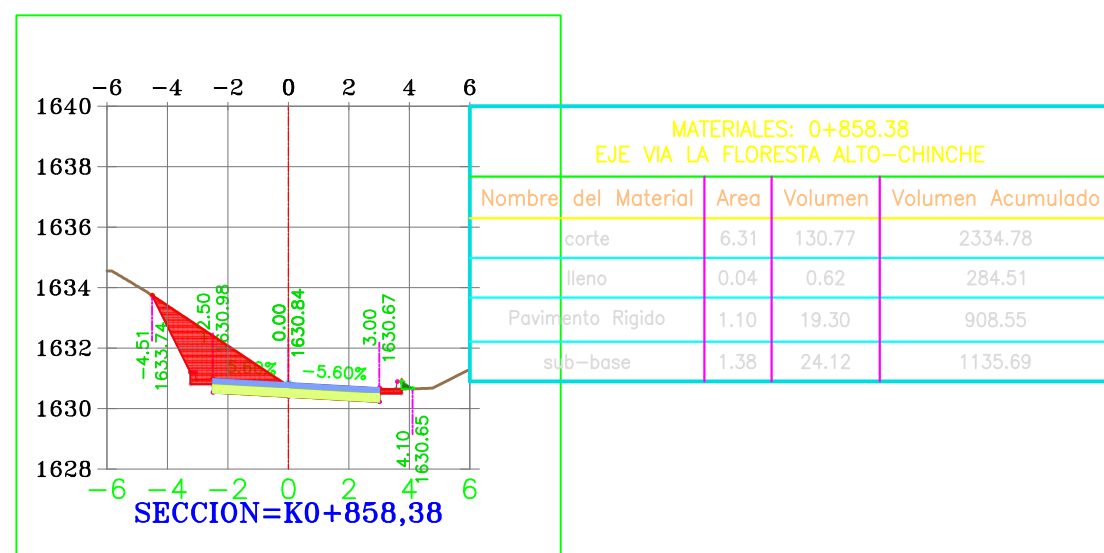
DIBUJO:
CONGRESUELOS

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 MCPIO DE
YOTOCO VALLE DEL CAUCA

CONTIENE:
**DISEÑO GEOMETRICO
SECCIONES
K0+780 A K1+000
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

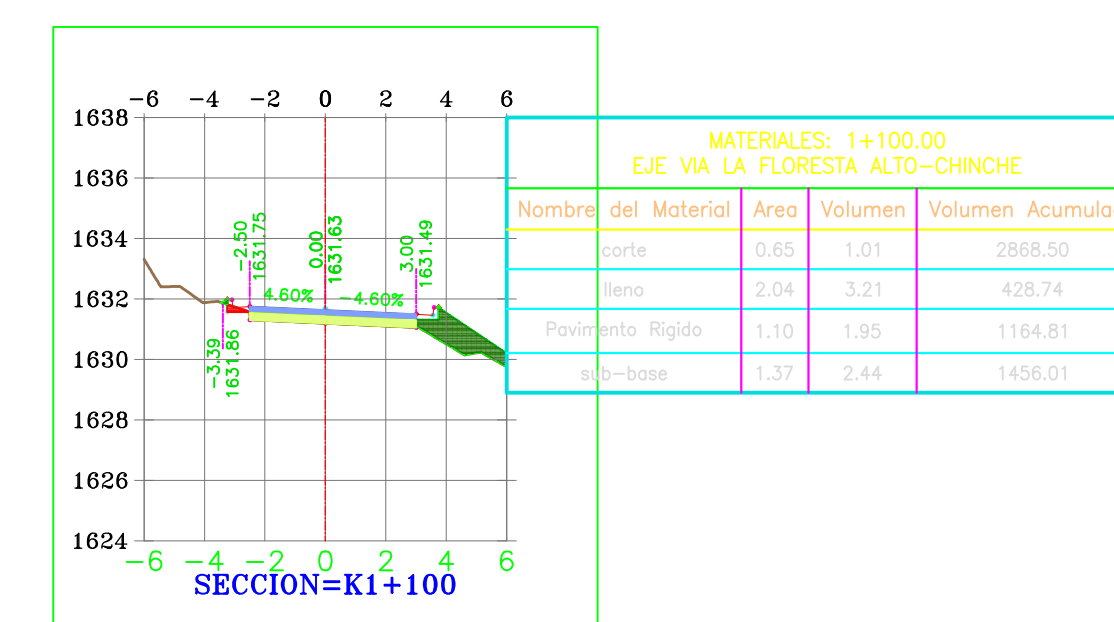
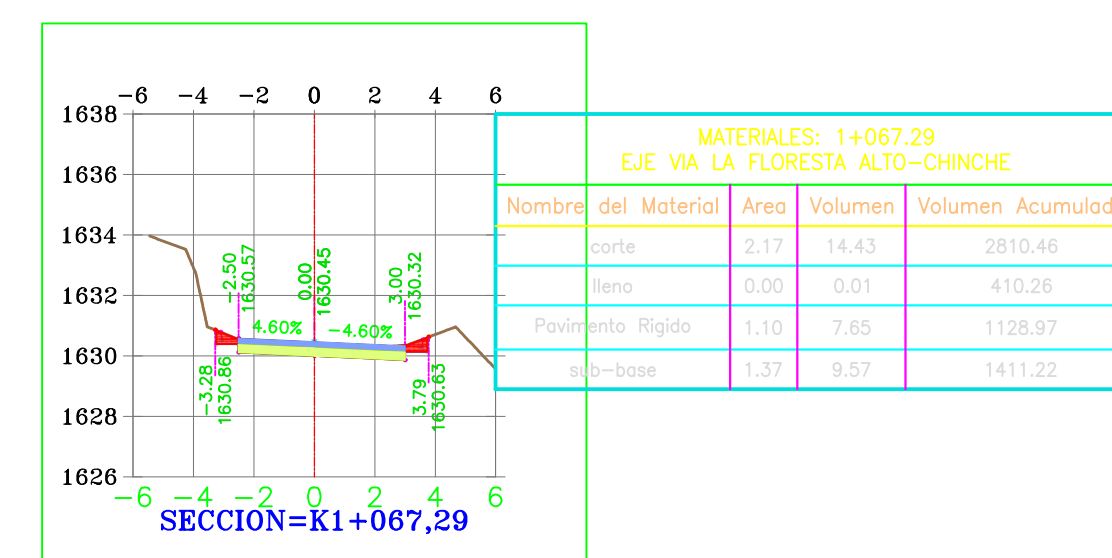
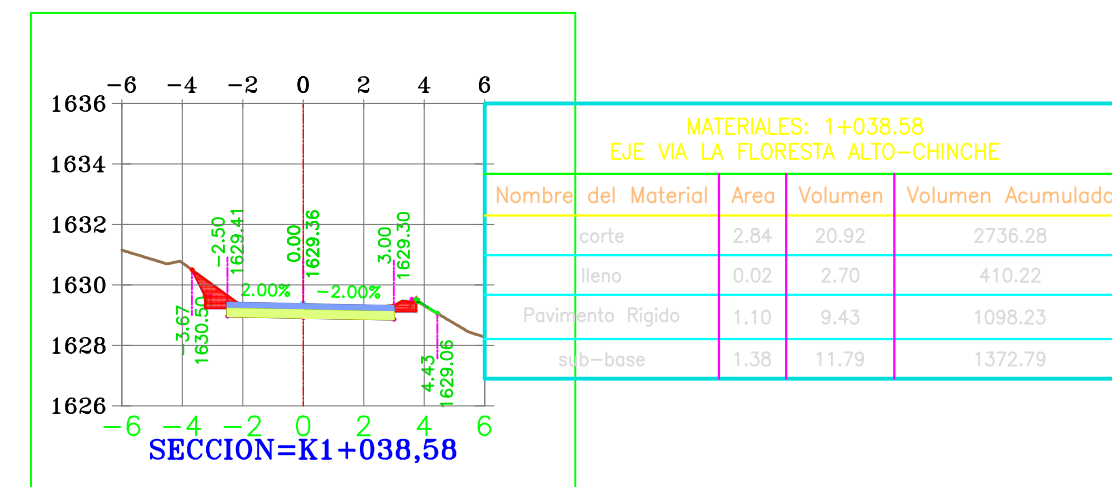
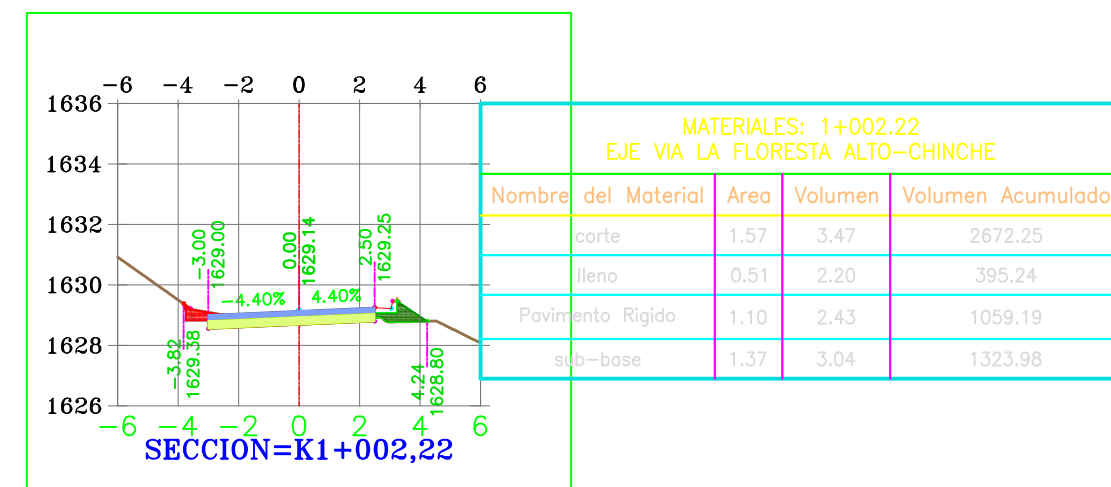
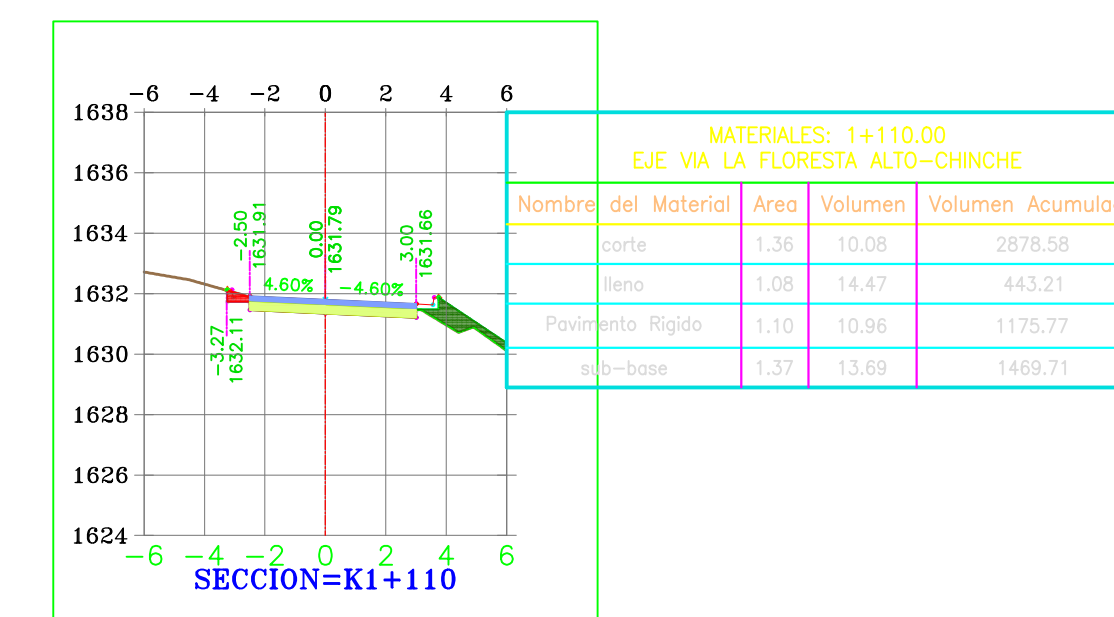
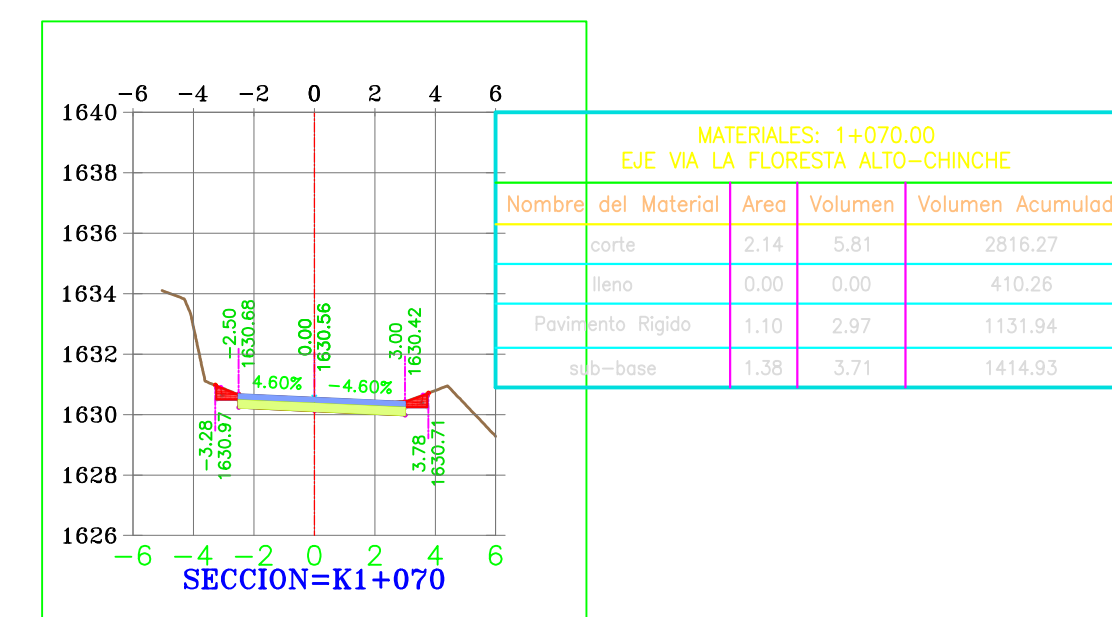
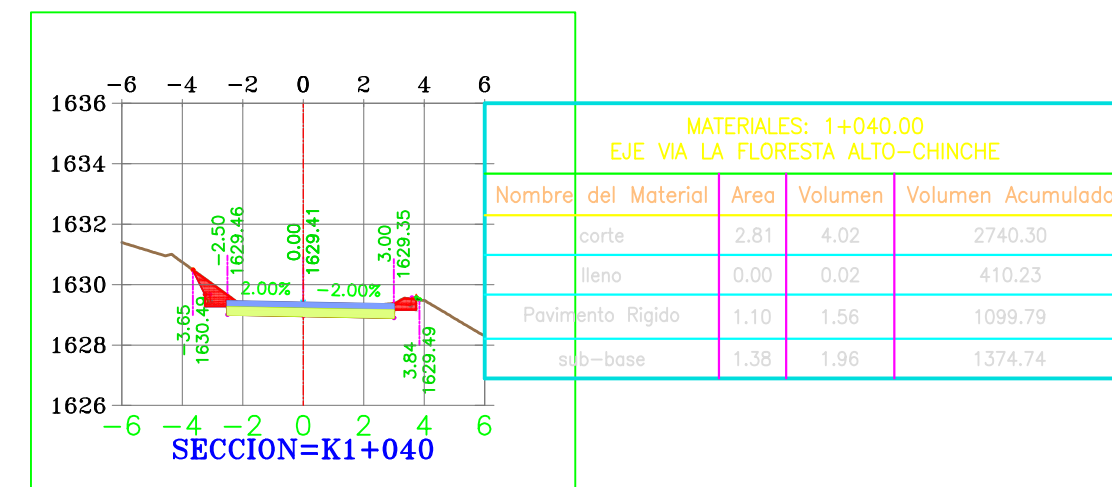
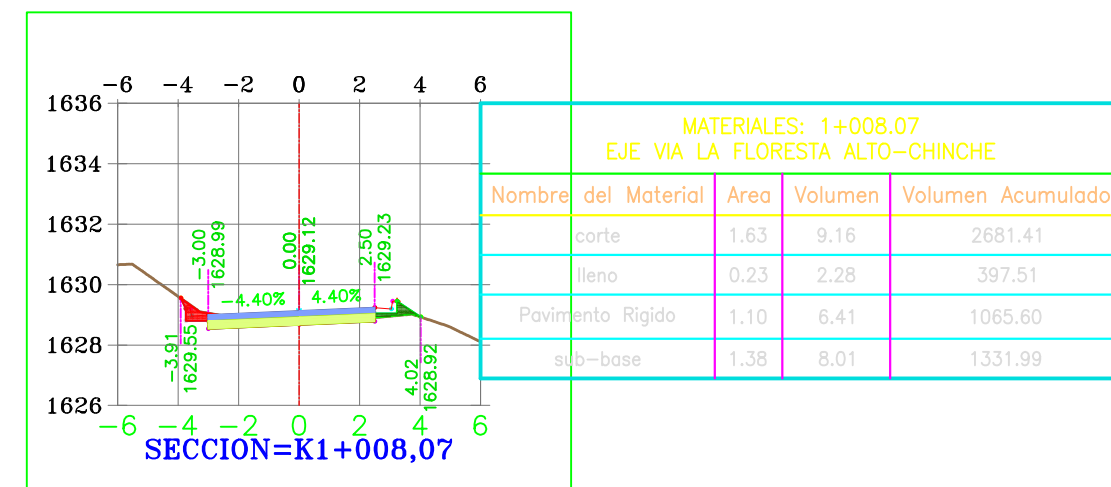
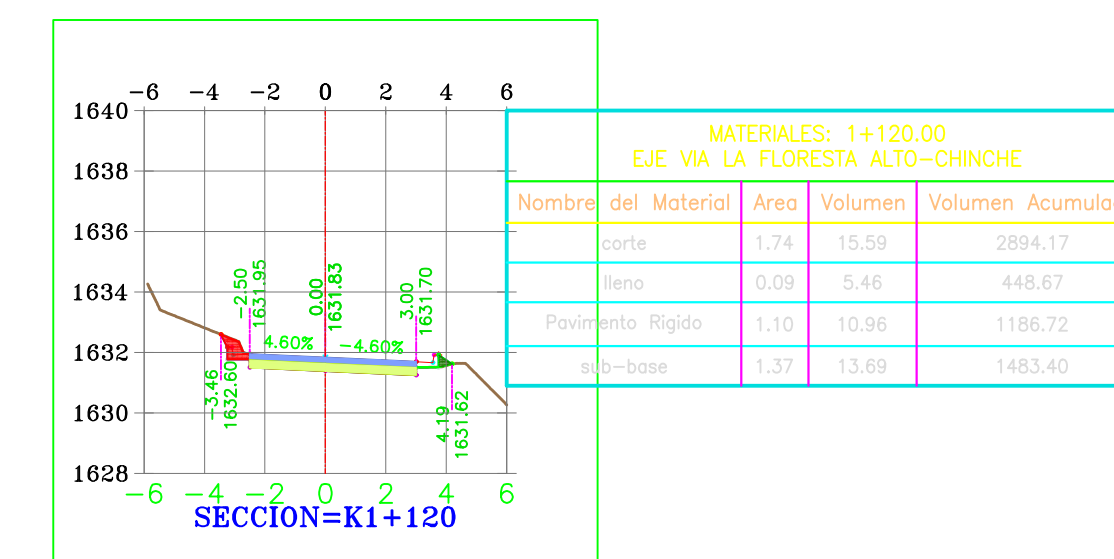
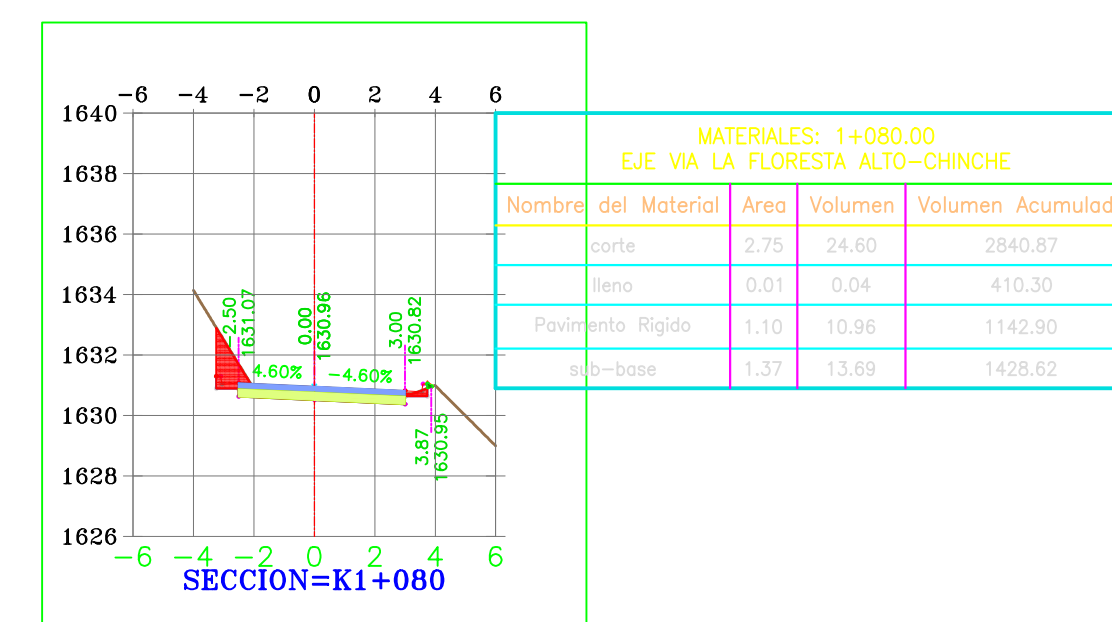
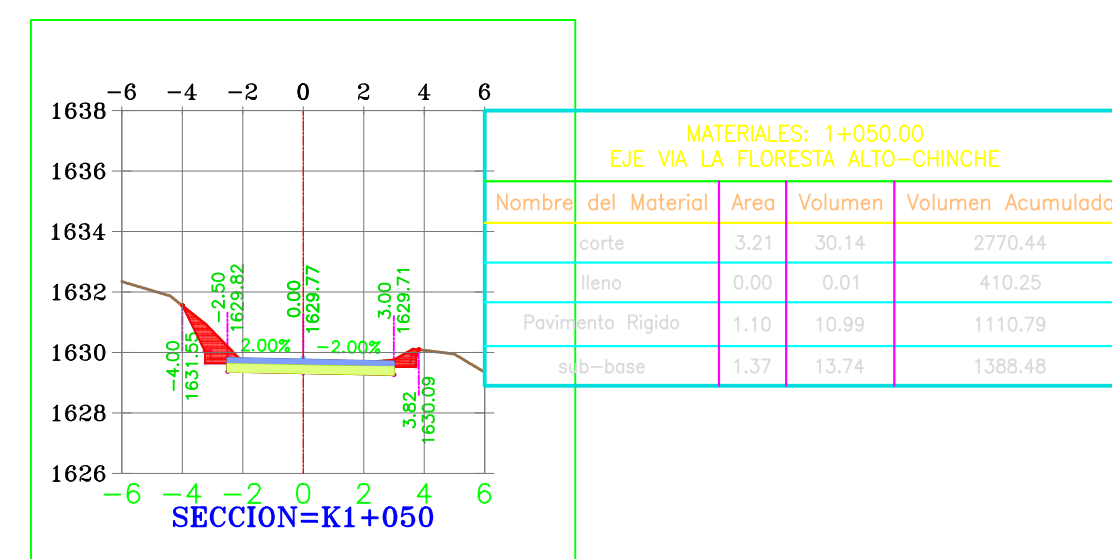
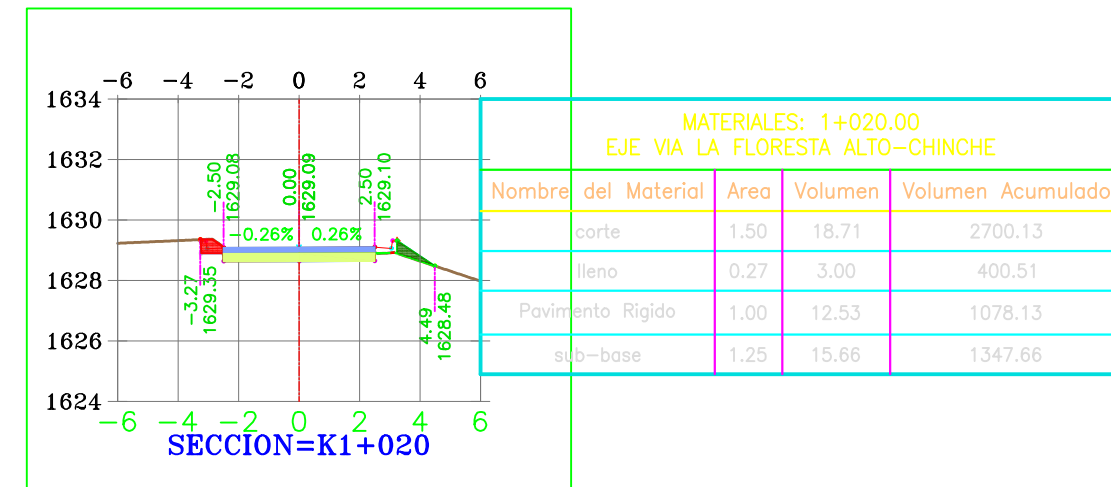
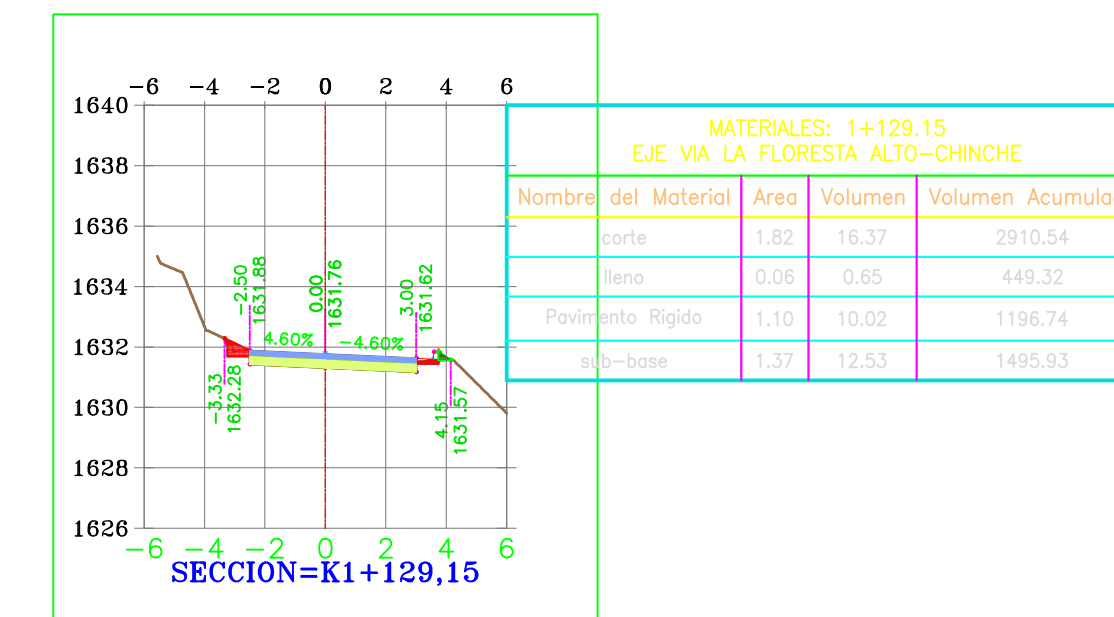
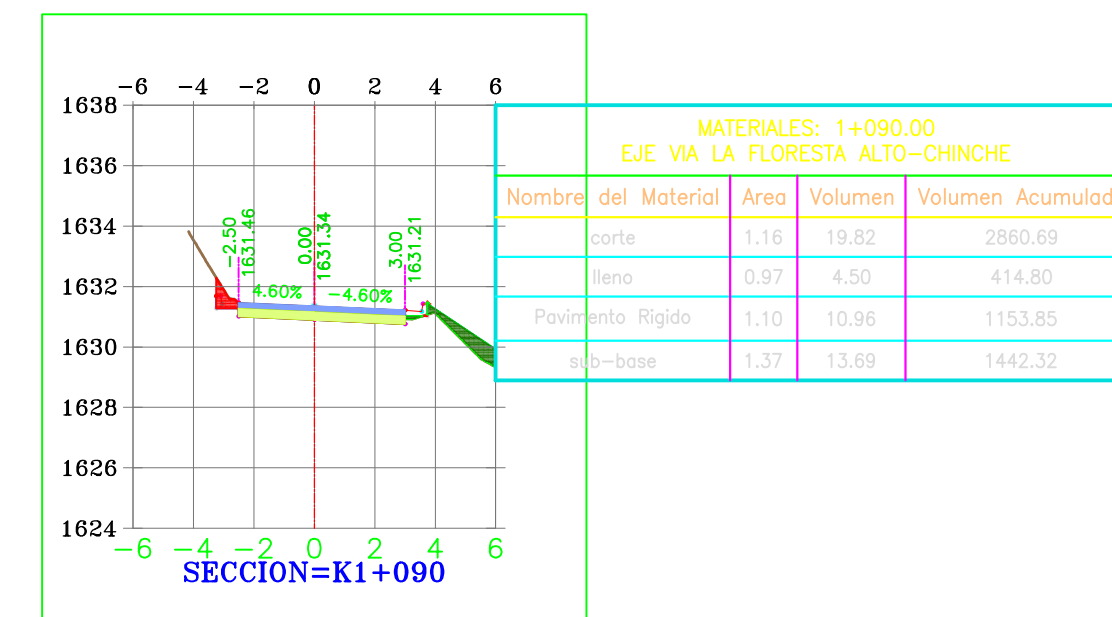
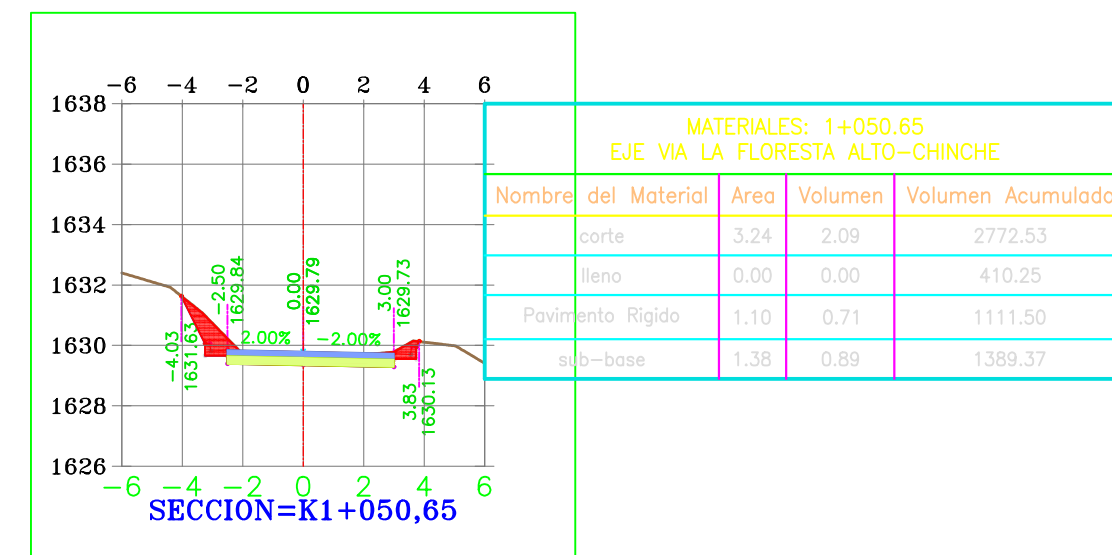
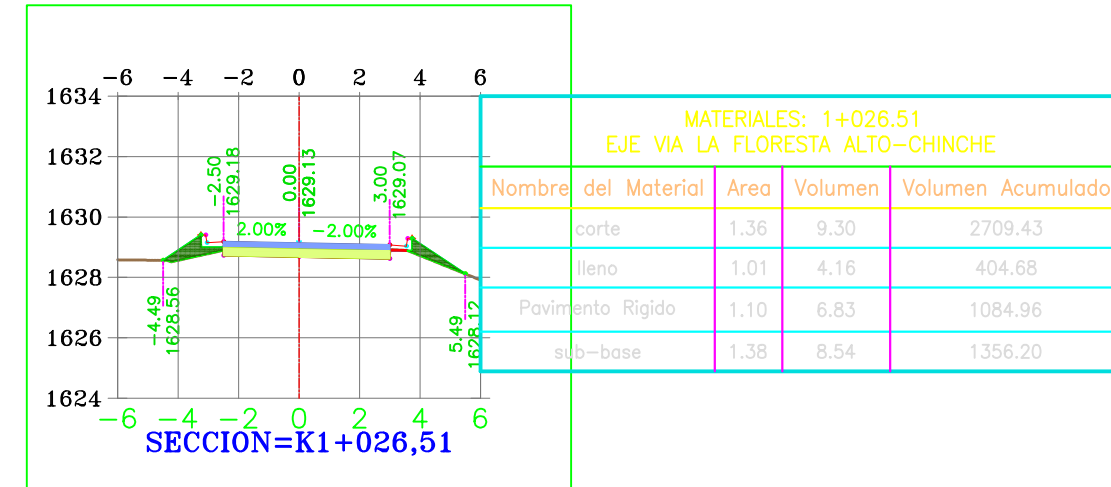
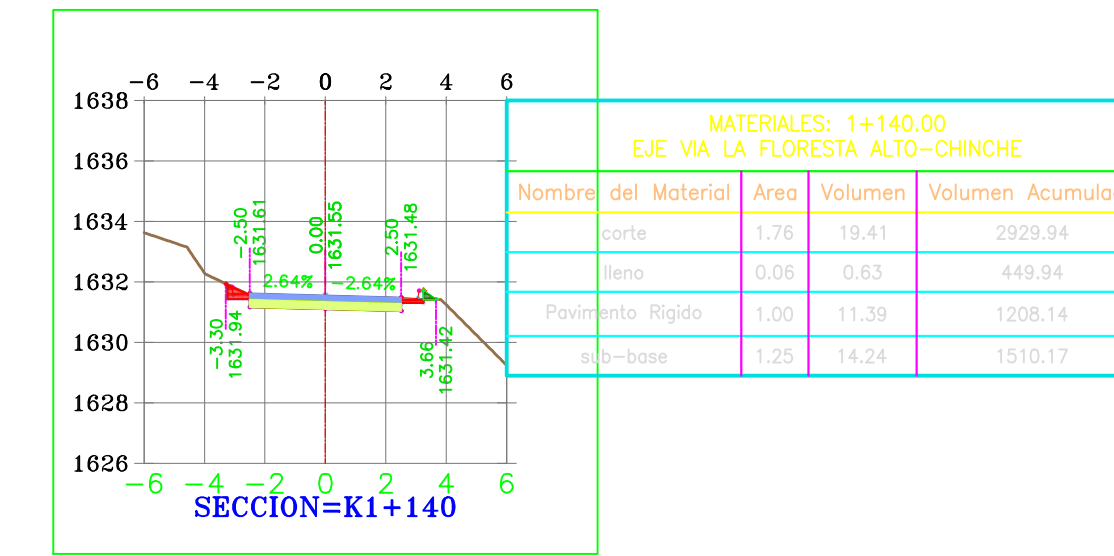
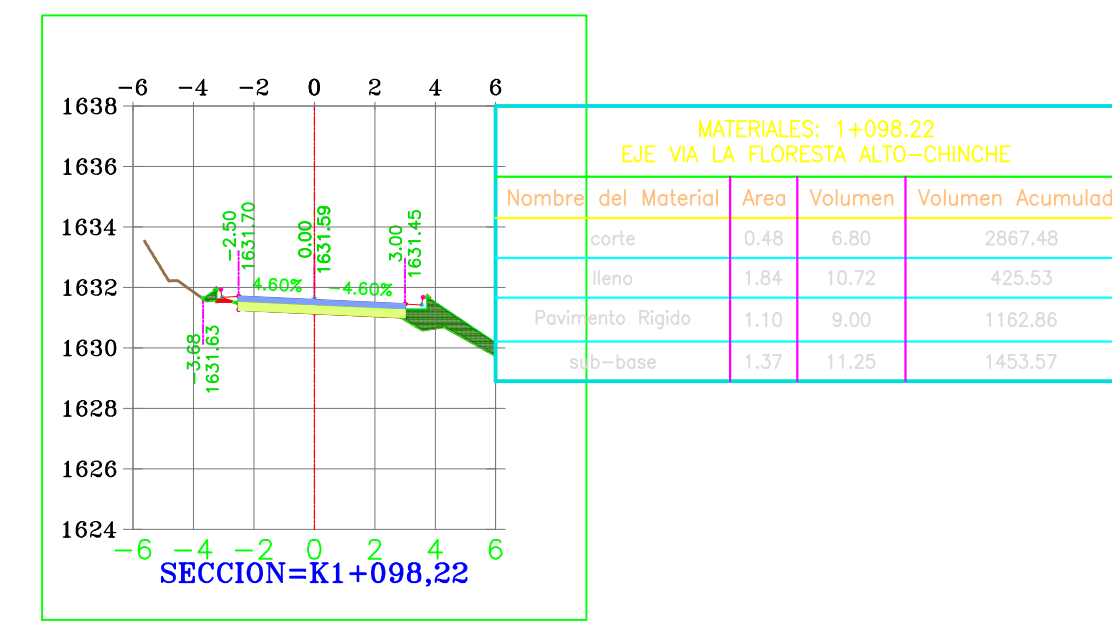
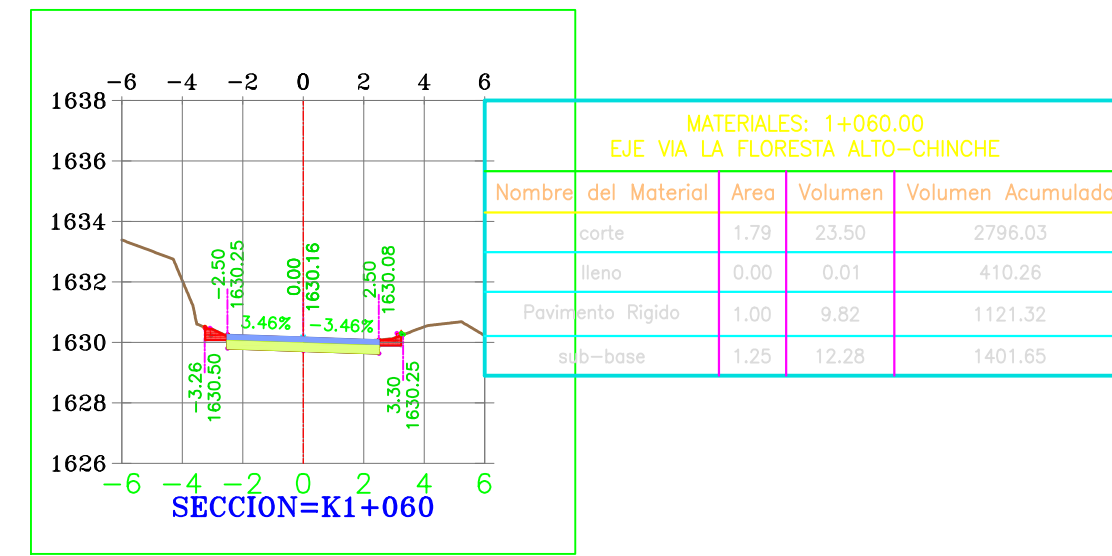
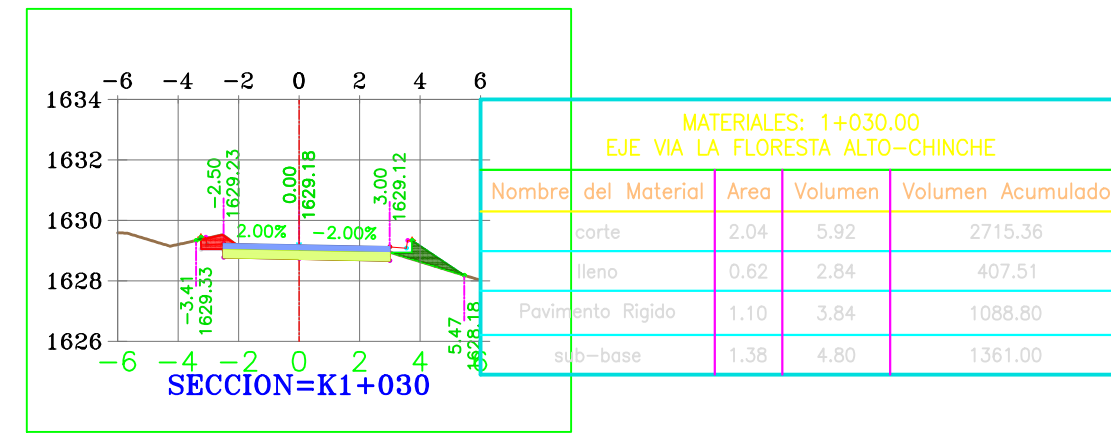
DIBUJO:
CONGRESUELOS

OBSERVACIONES:

FECHA:
SEPTIEMBRE 2018

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

PLANO:
**9/
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

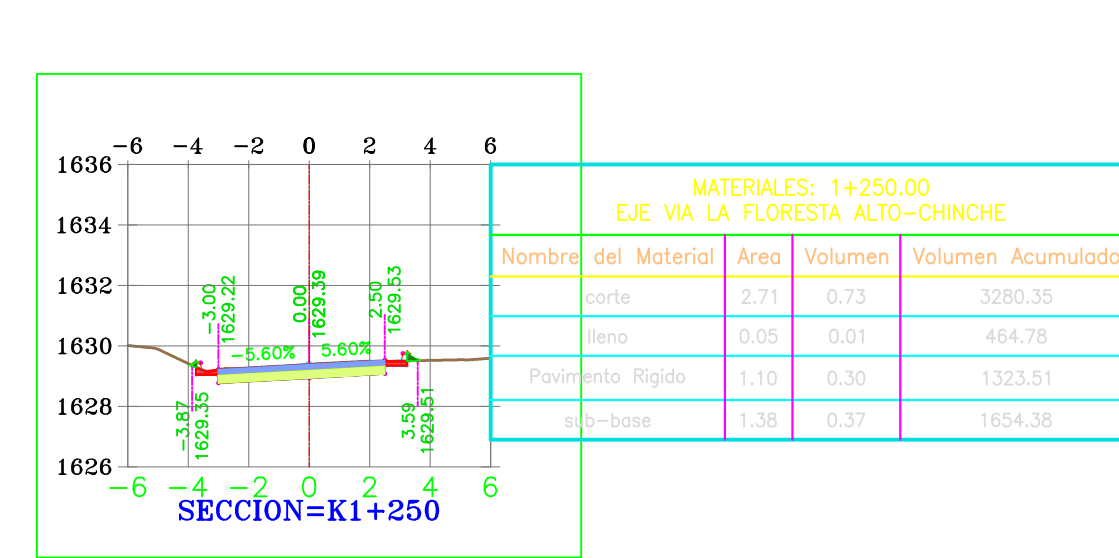
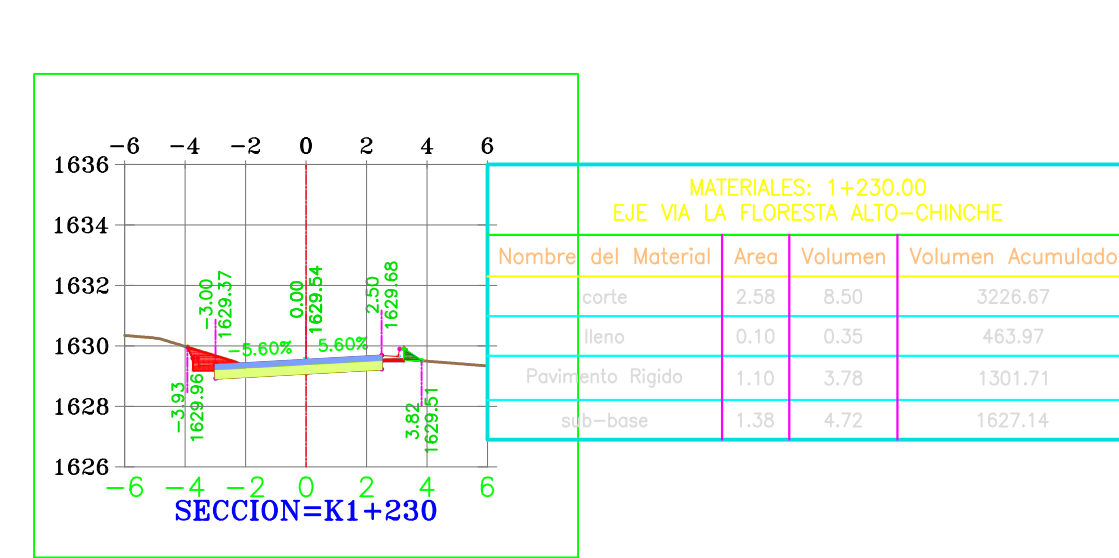
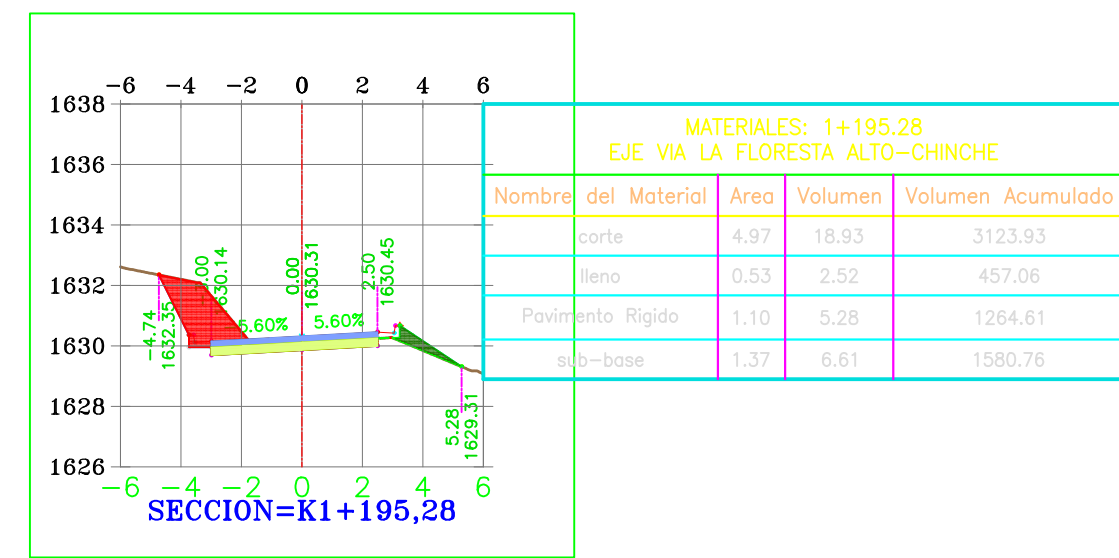
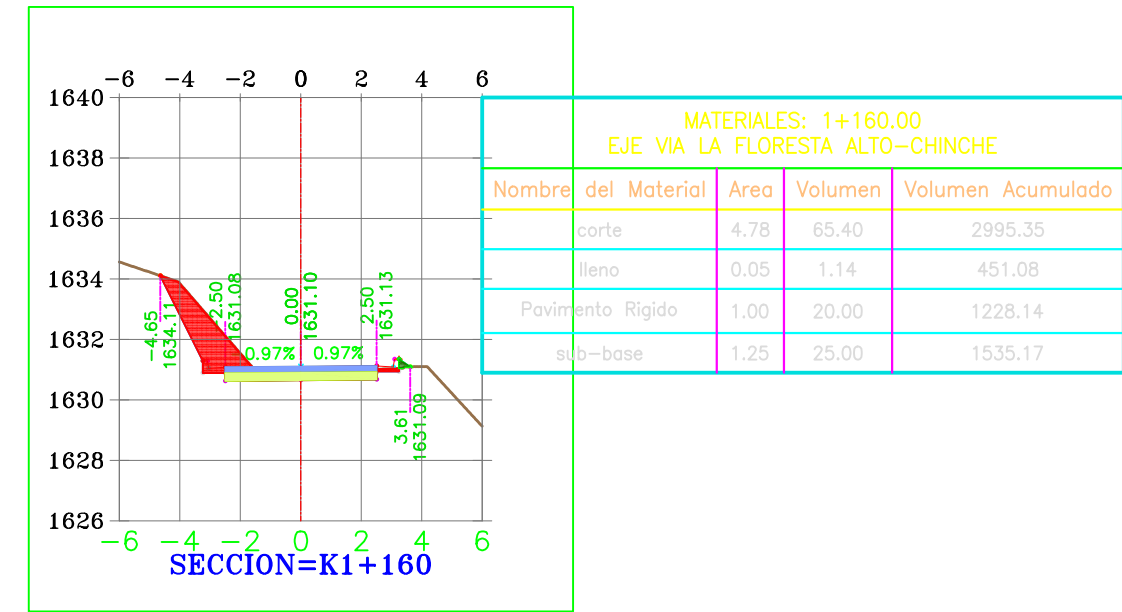
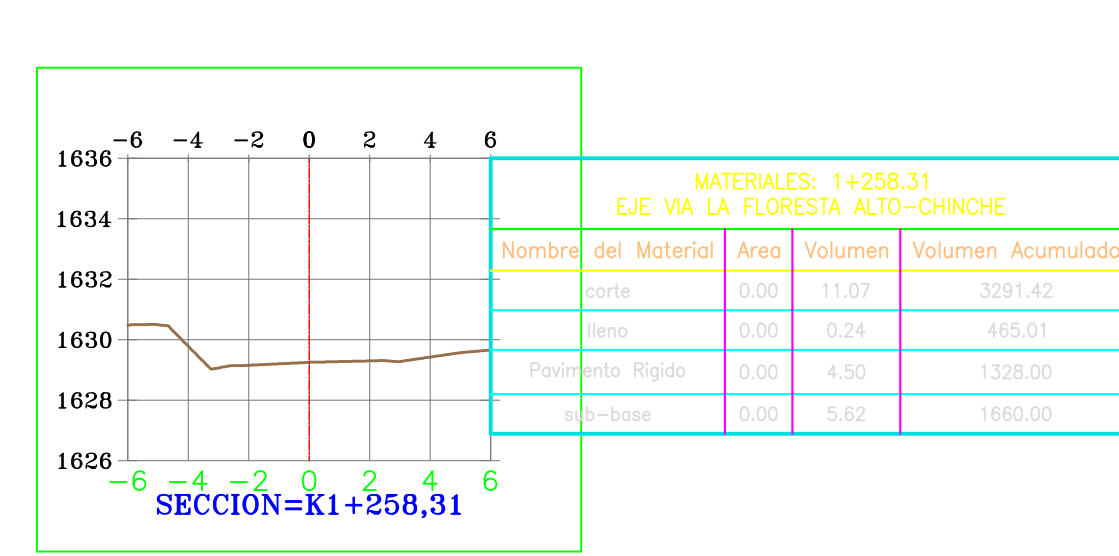
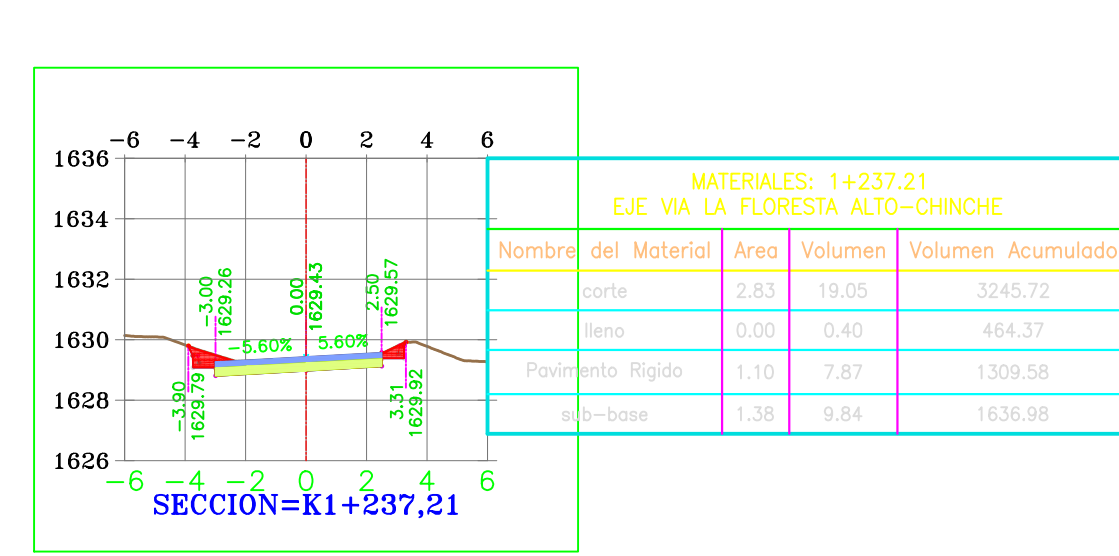
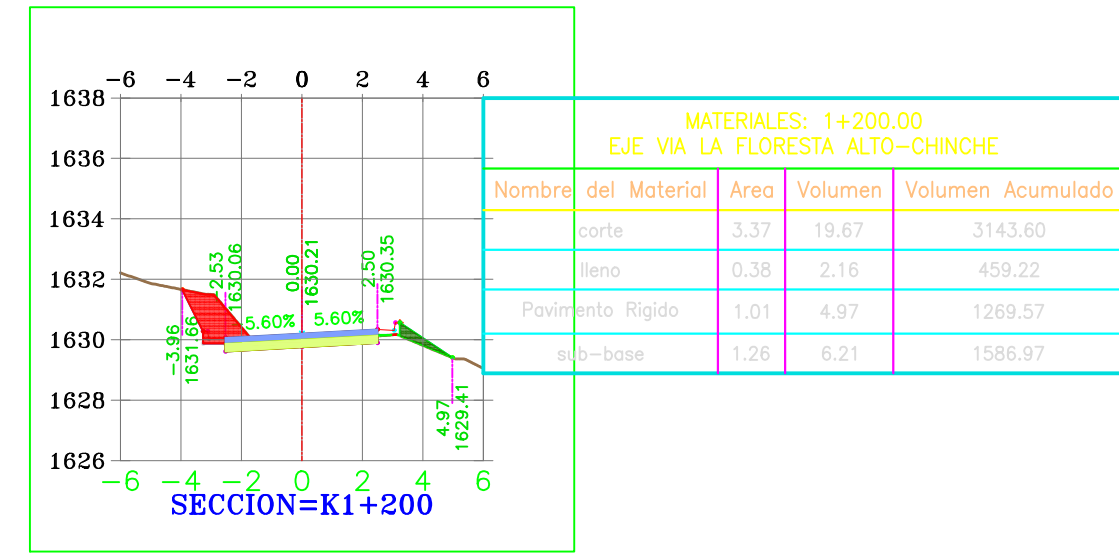
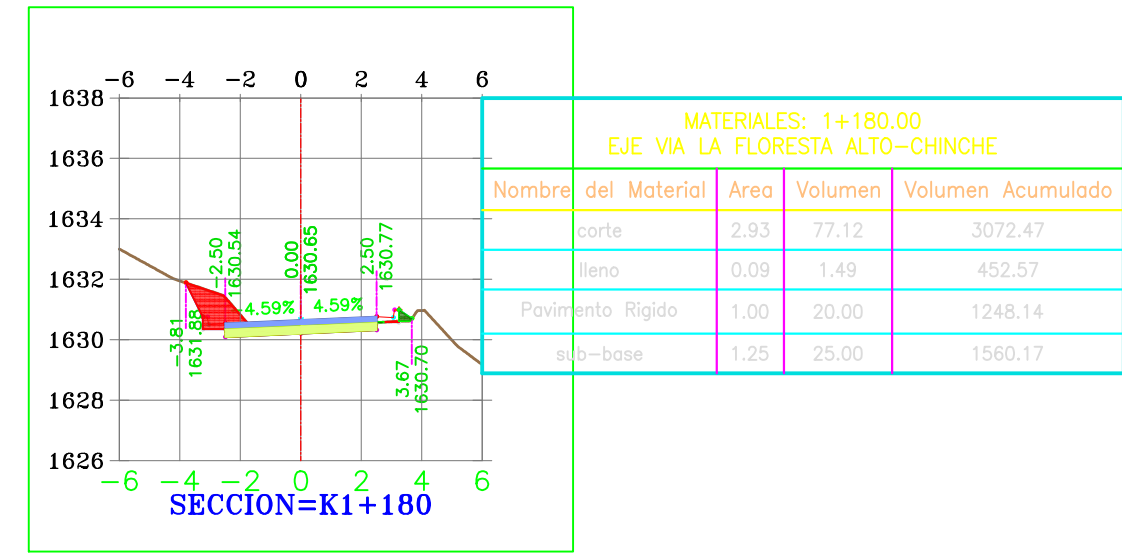
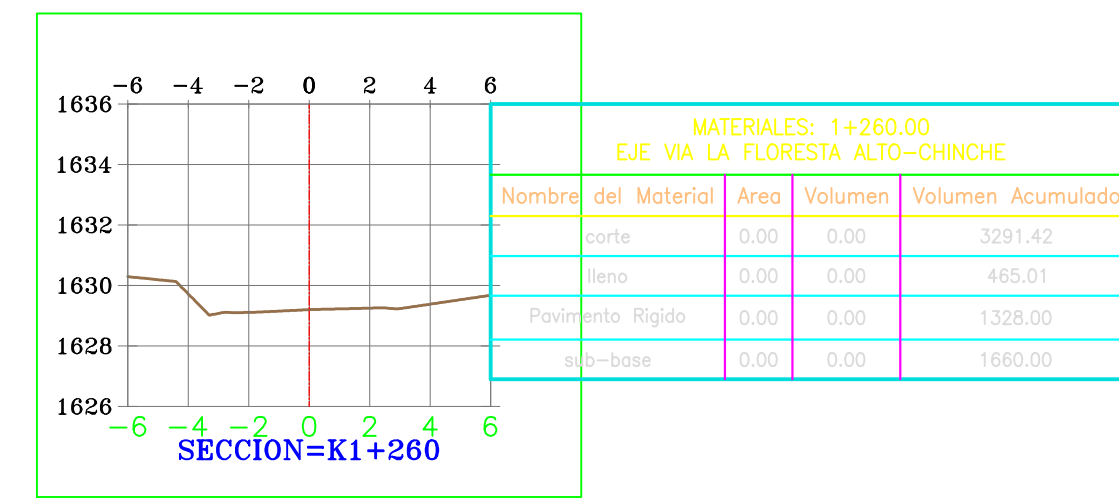
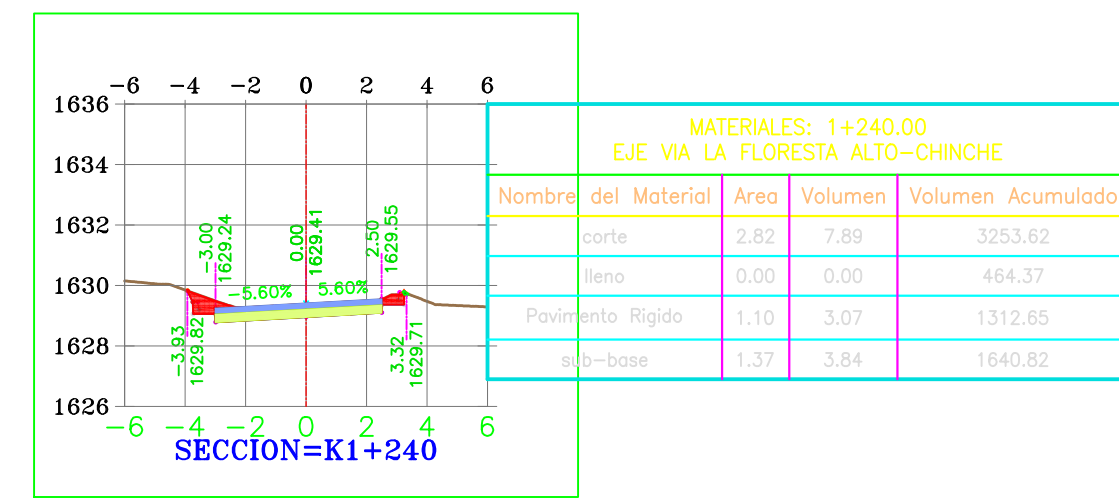
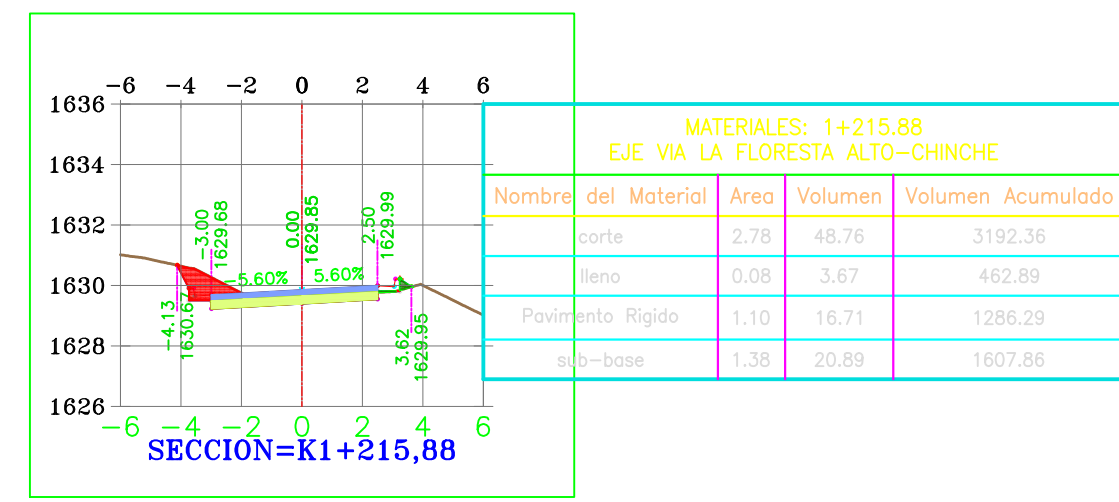
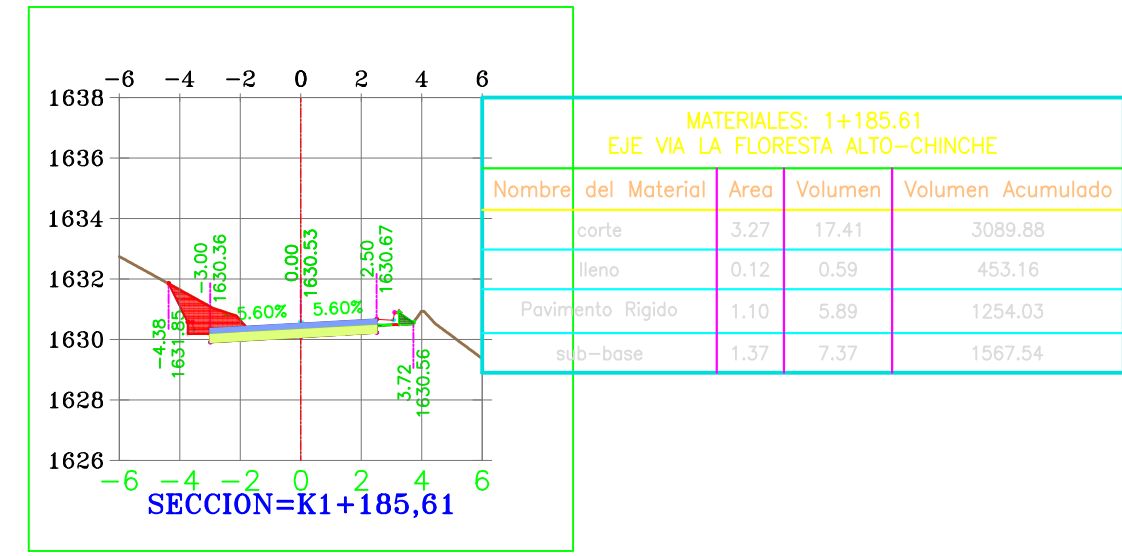
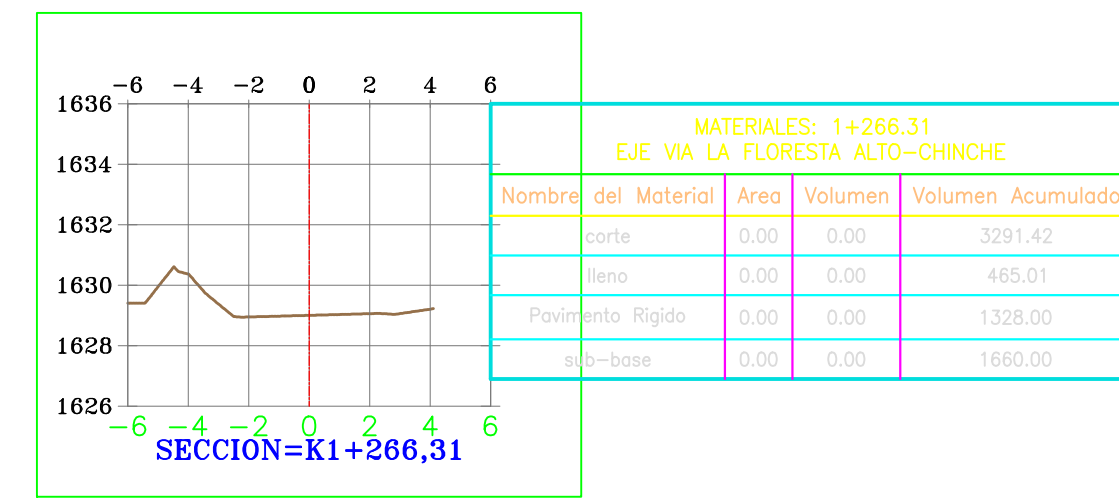
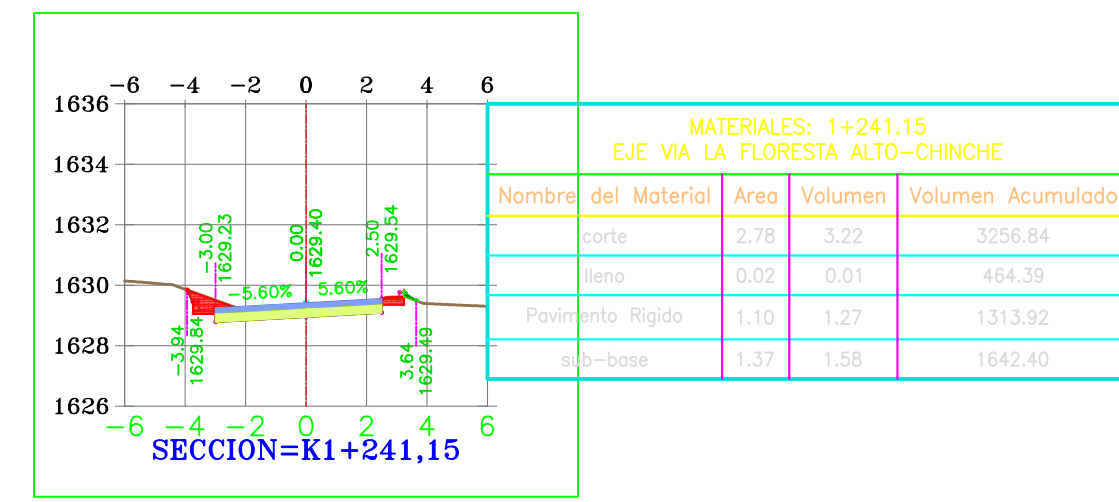
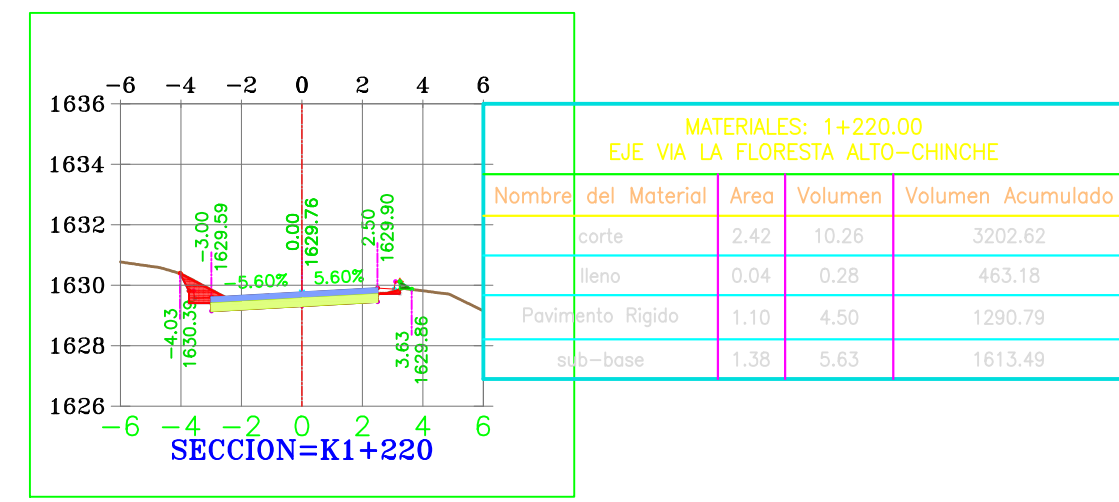
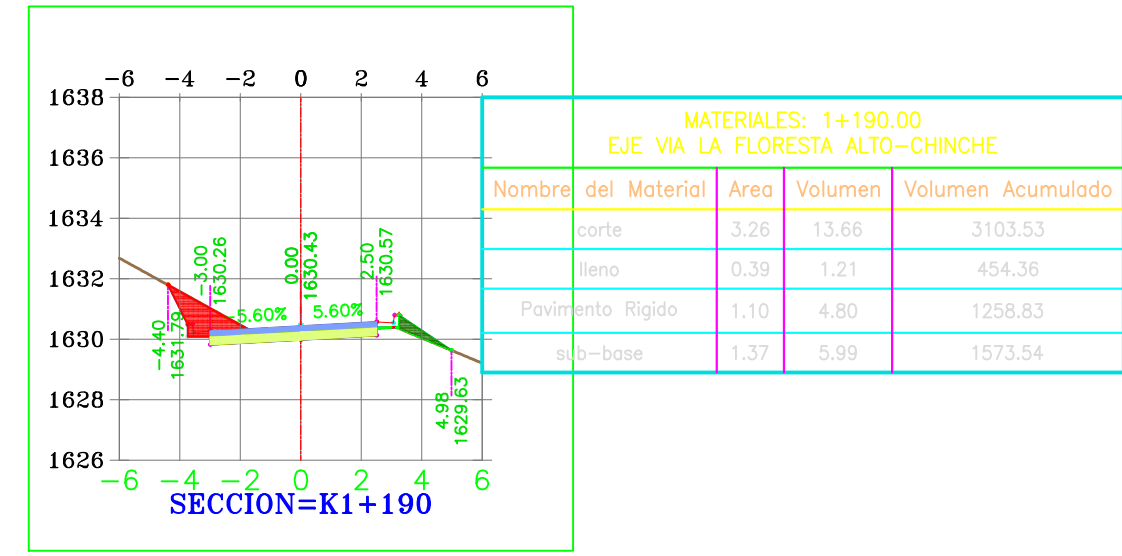
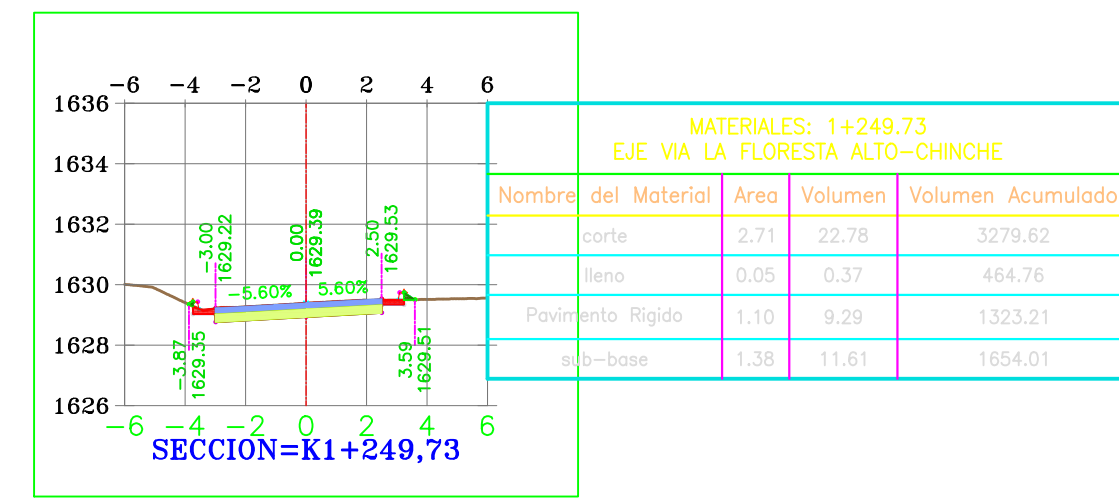
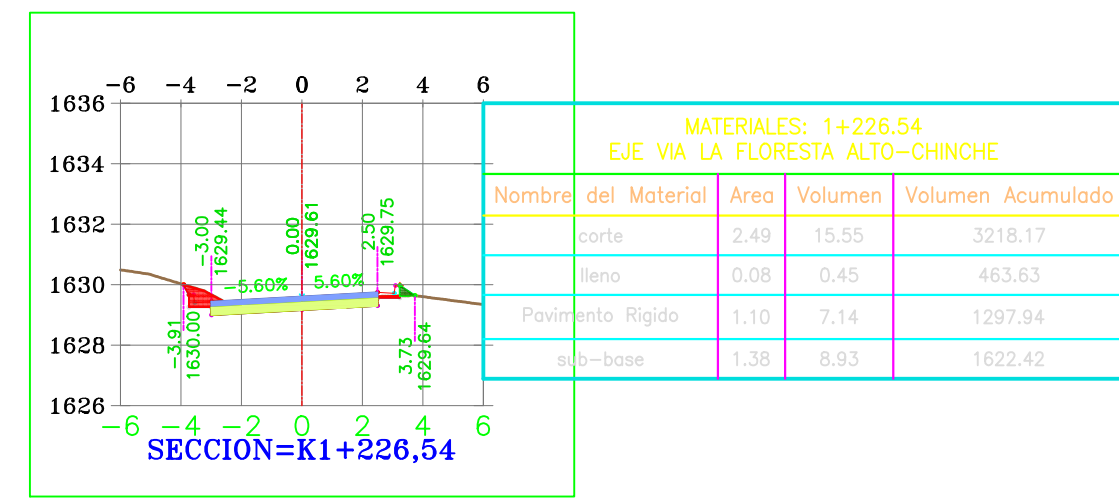
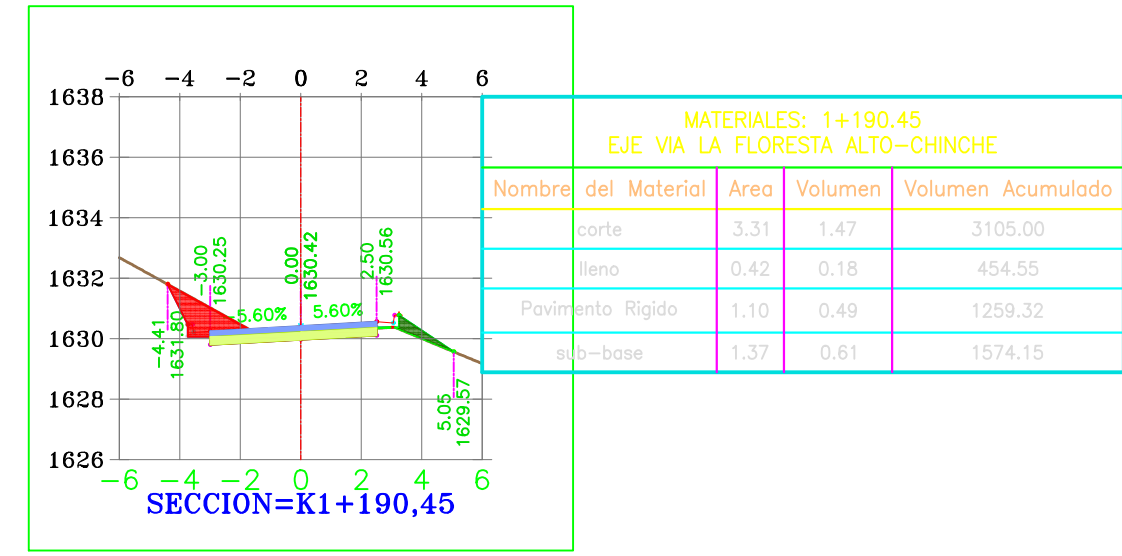
DIBUJO:
CONGRESUELOS

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

