



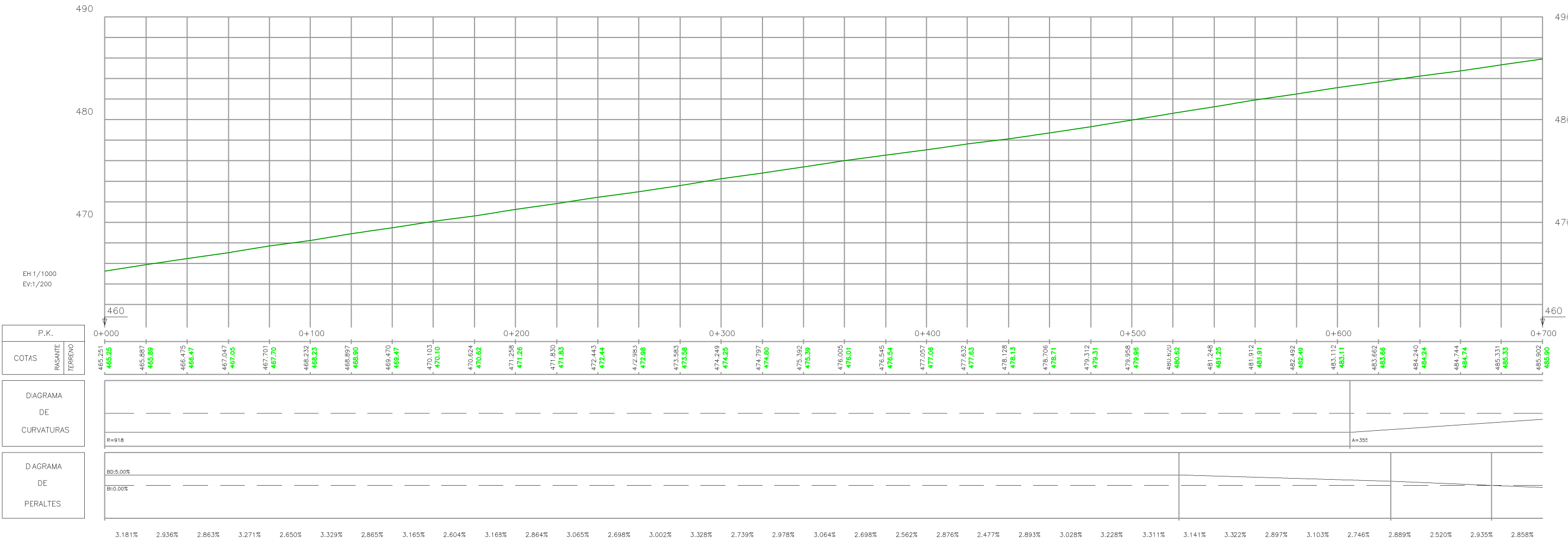
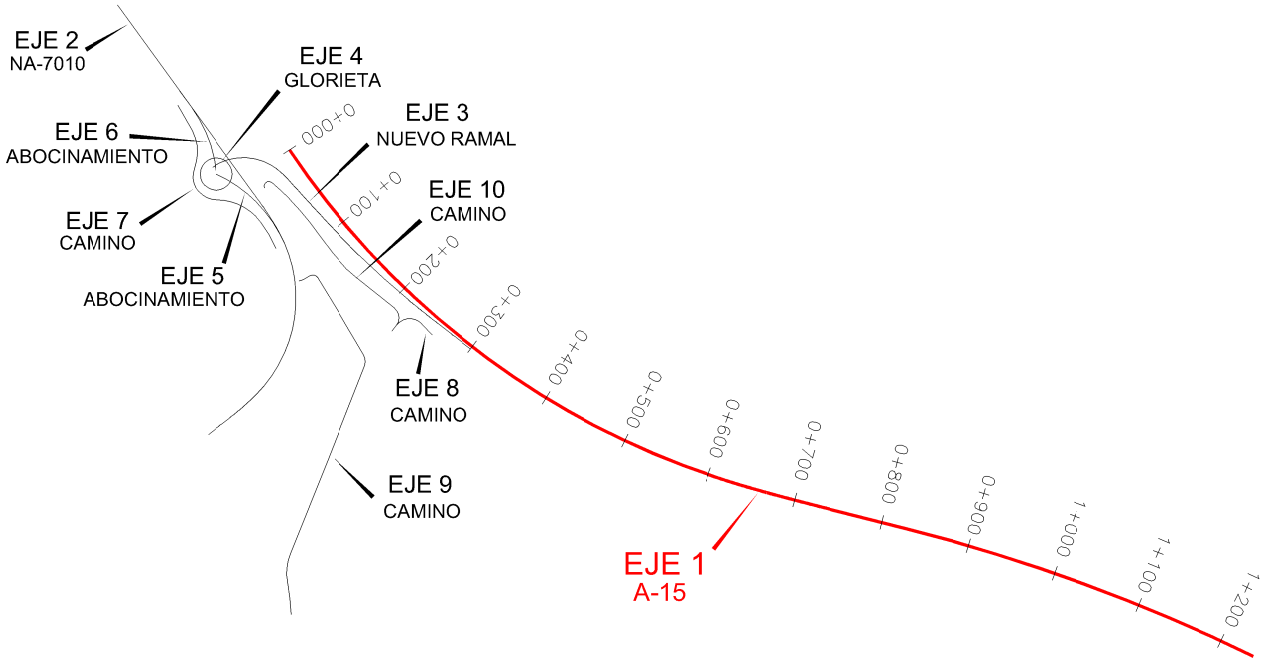


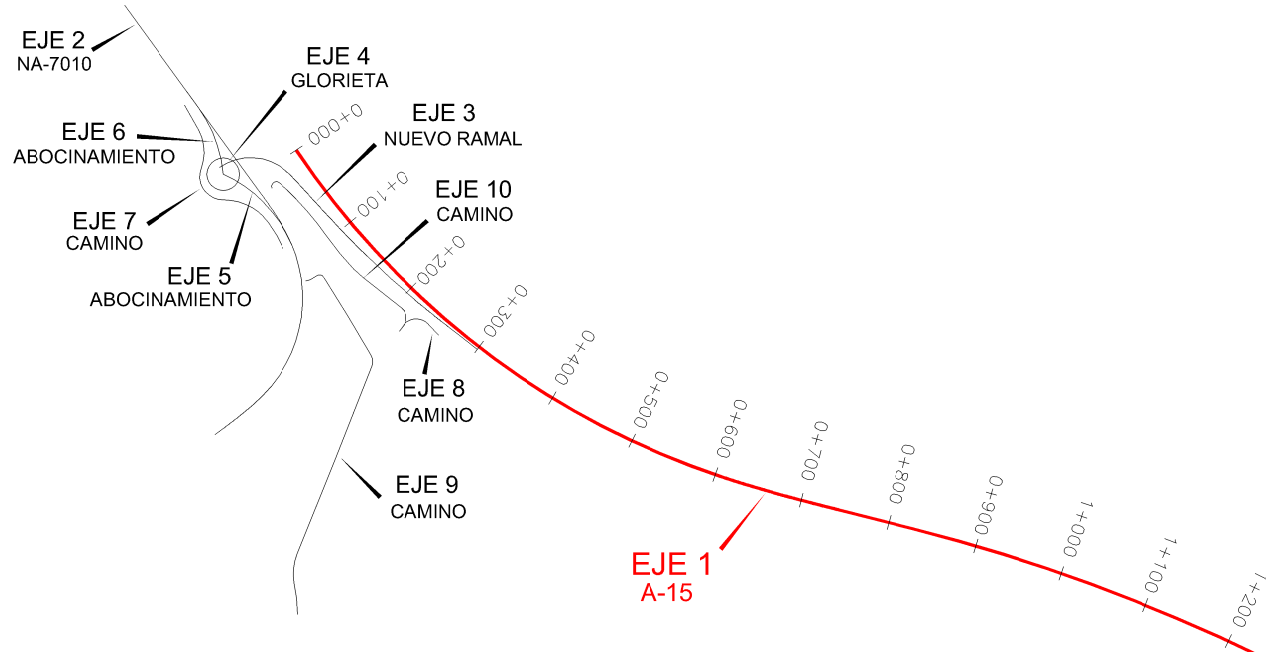
PLANTA

ESCALA 1/1000

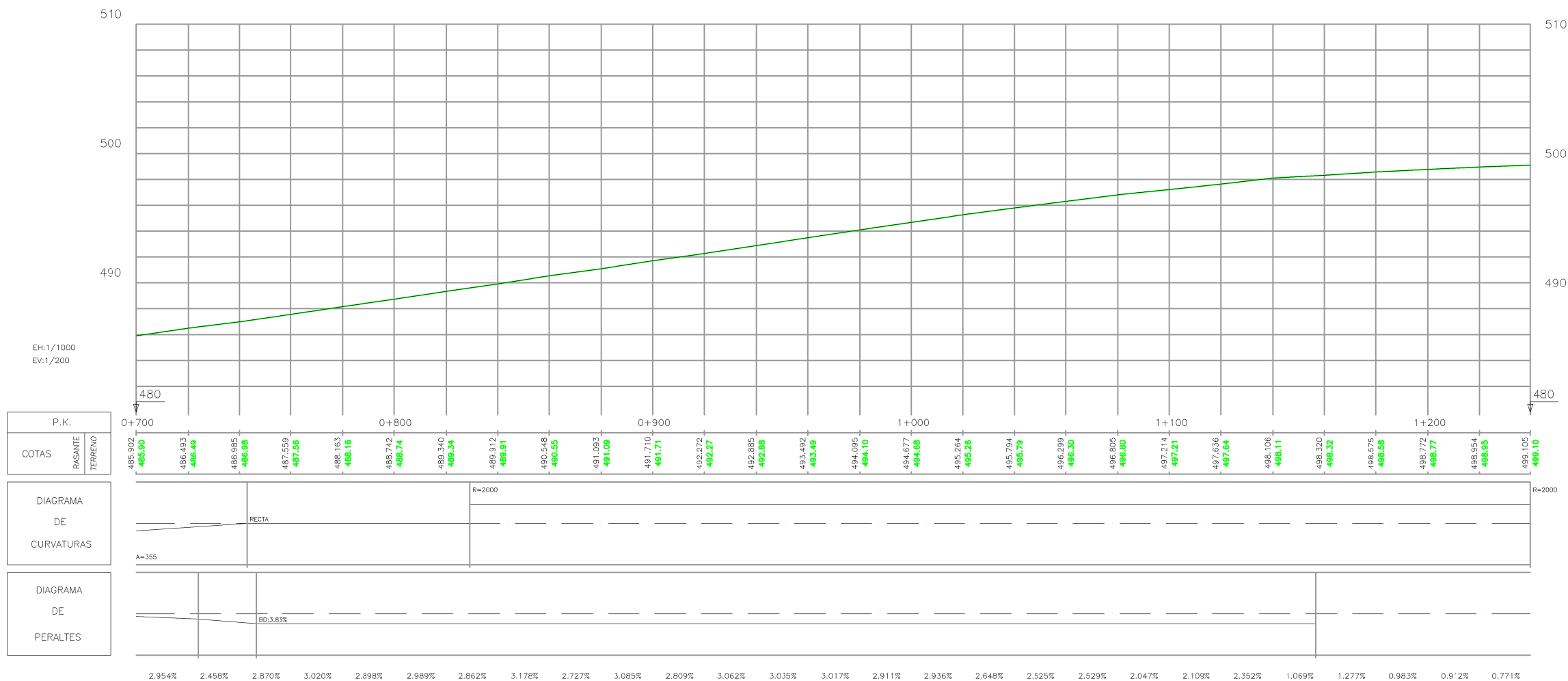
- CUNETA HORMIGONADA
- CUNETA DE TIERRAS
- BARRERA BIONDA
- CERRAMIENTO
- PASO CANADIENSE

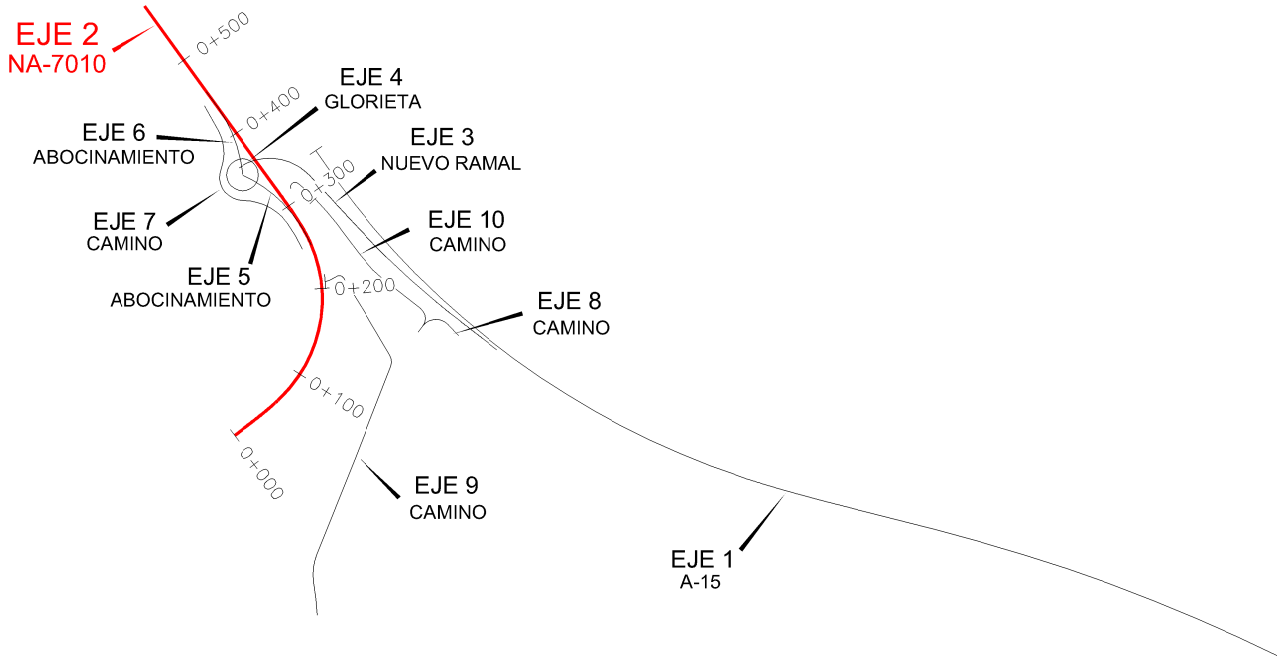
PERFIL LONGITUDINAL
EJE 1 AUTOPISTA A-15
ESCALA H: 1/2.000
ESCALA V: 1/400



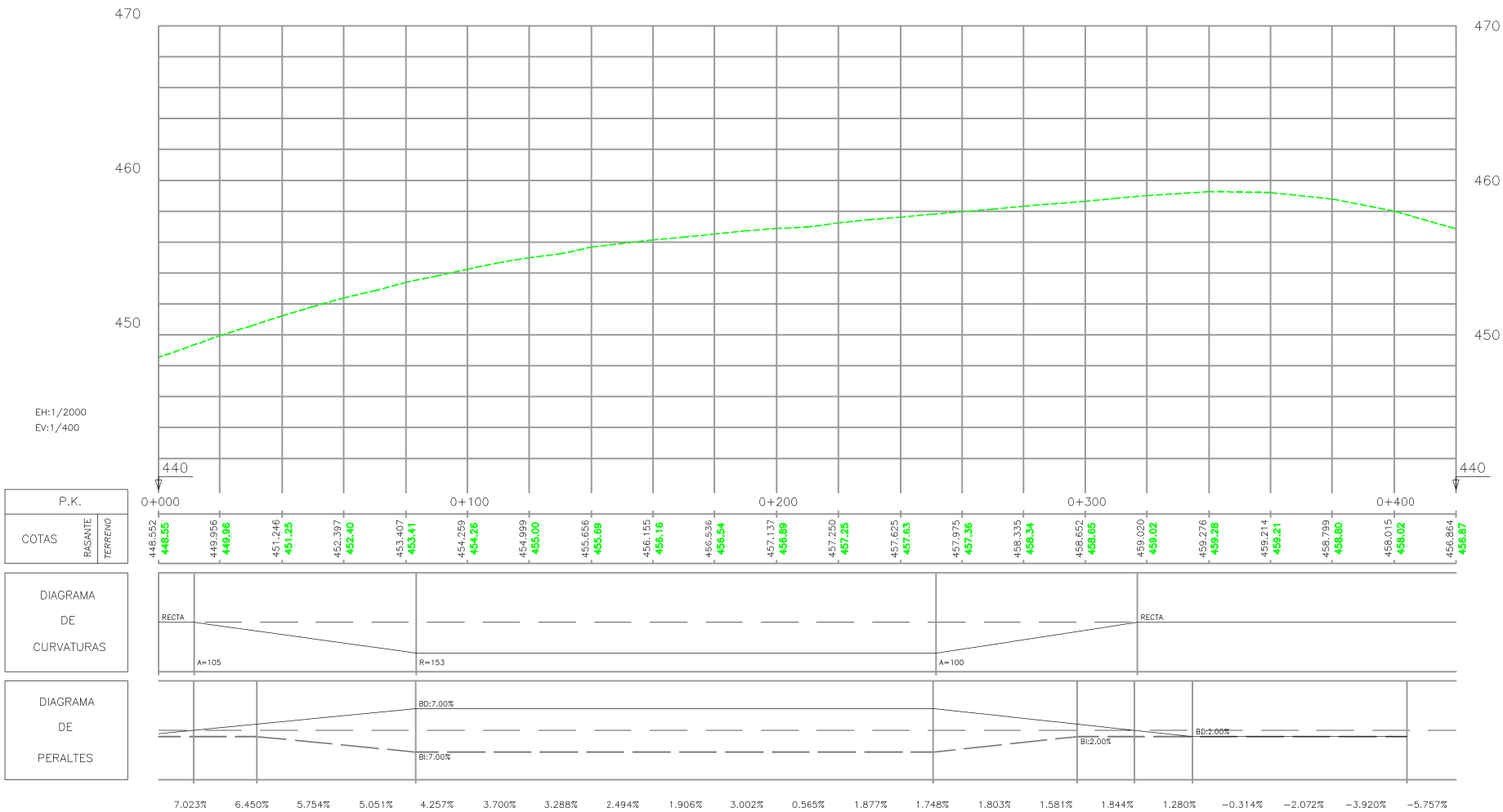


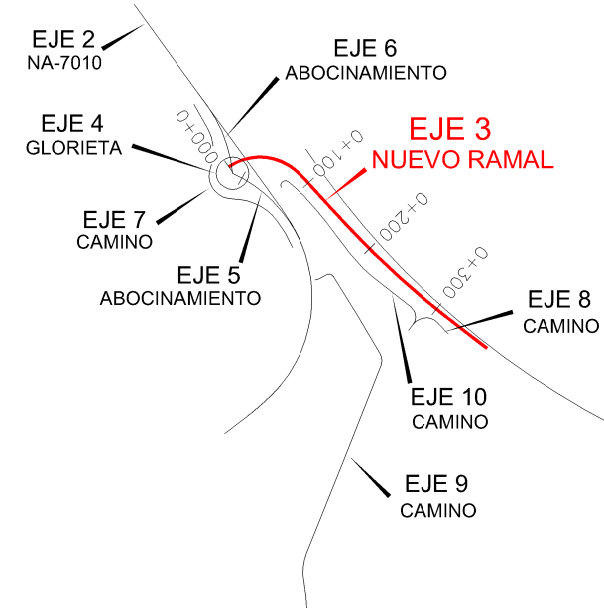
PERFIL LONGITUDINAL
EJE 1 AUTOPISTA A-15
ESCALA H: 1/2.000
ESCALA V: 1/400



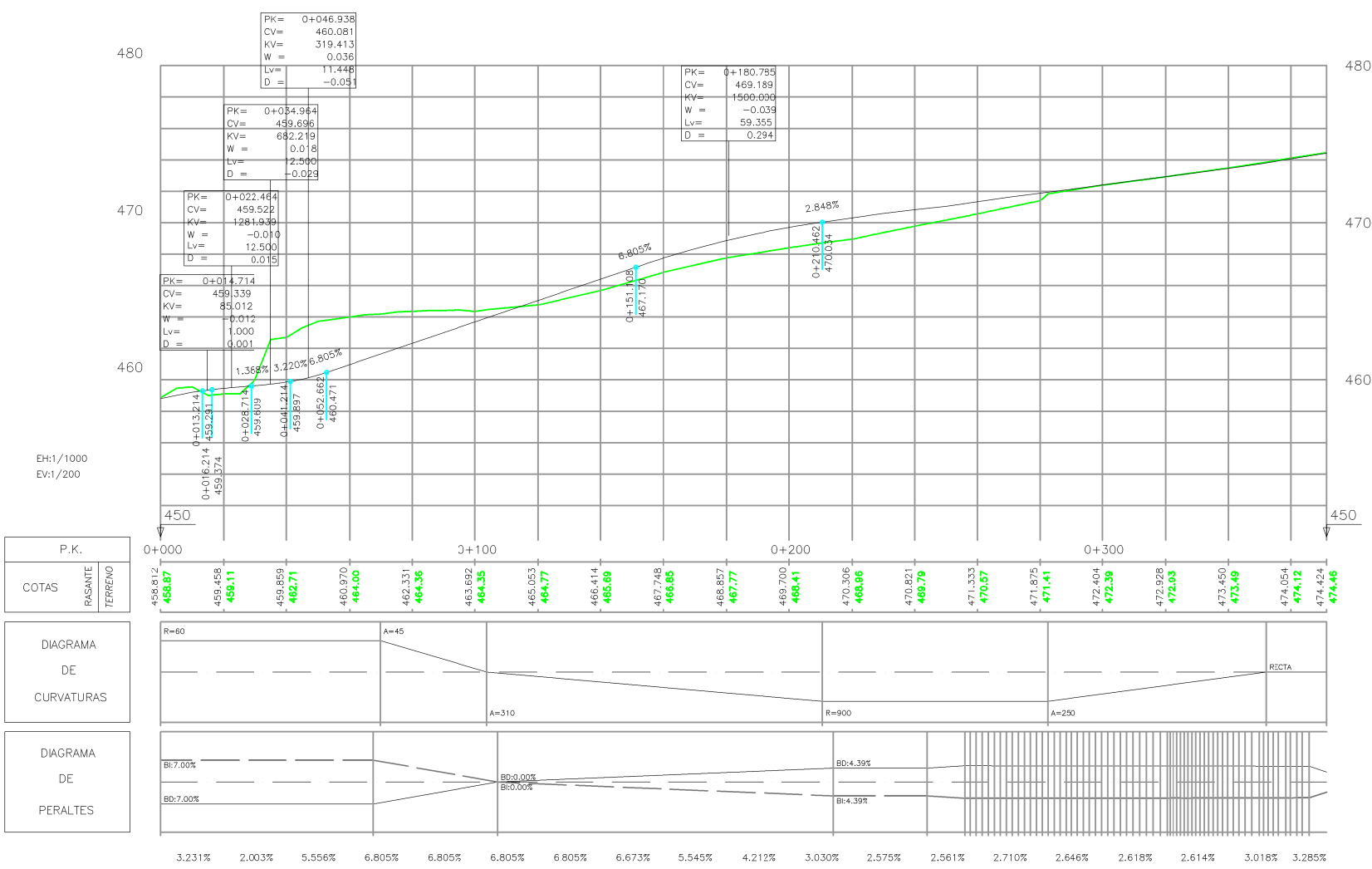


PERFIL LONGITUDINAL
EJE 2 NA-7010
ESCALA H: 1/2.000
ESCALA V: 1/400

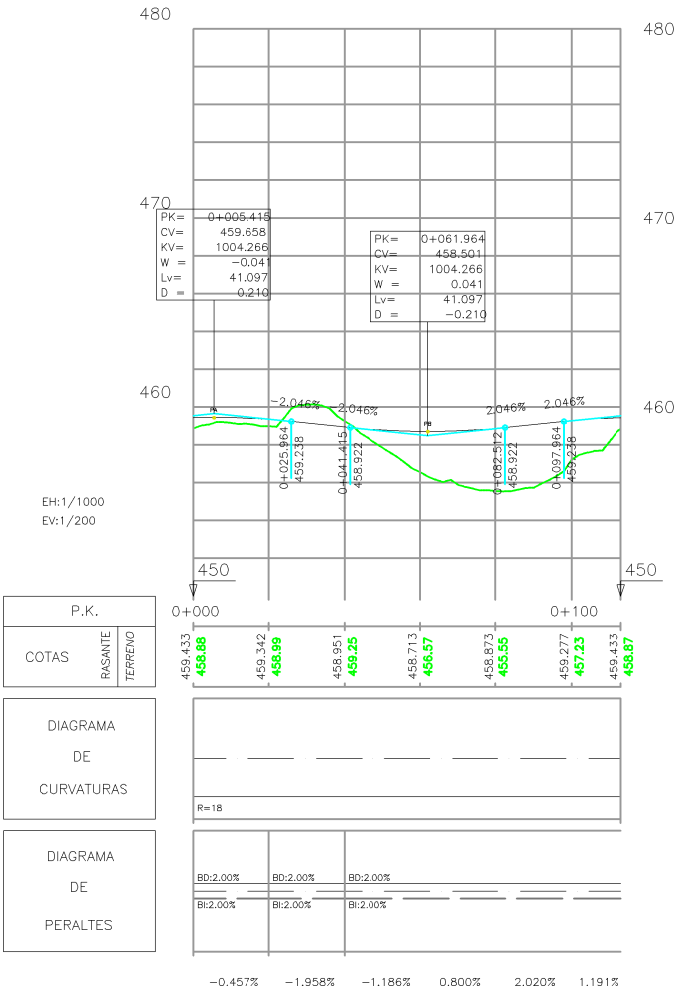
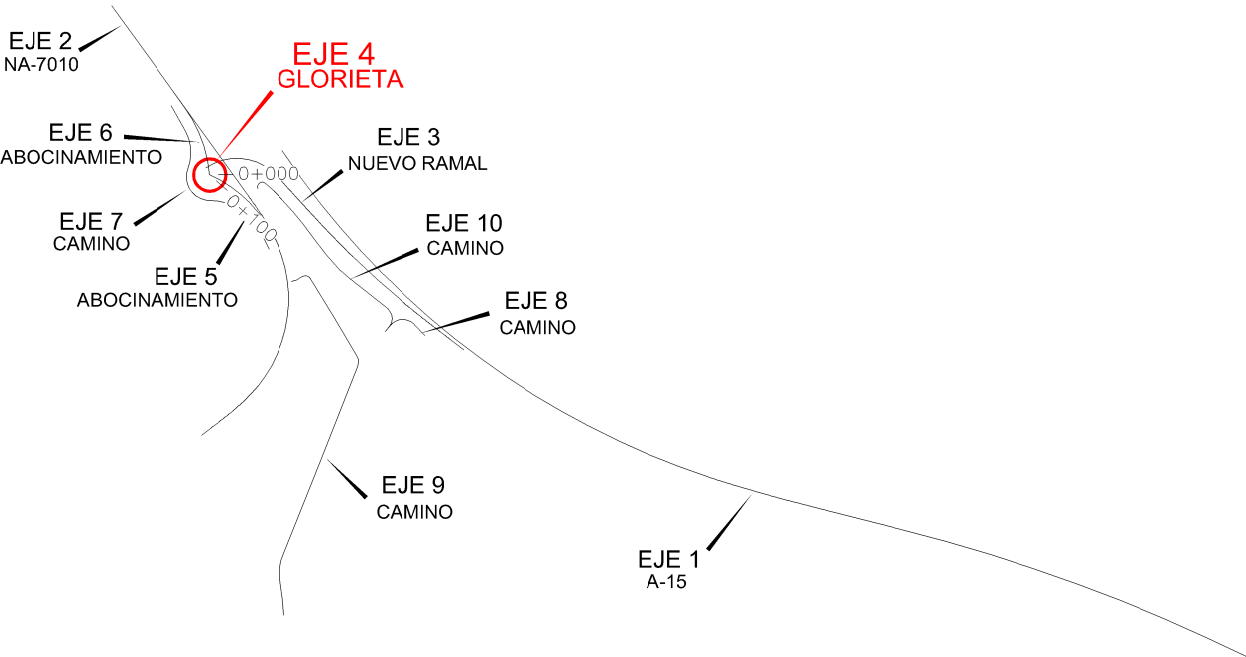


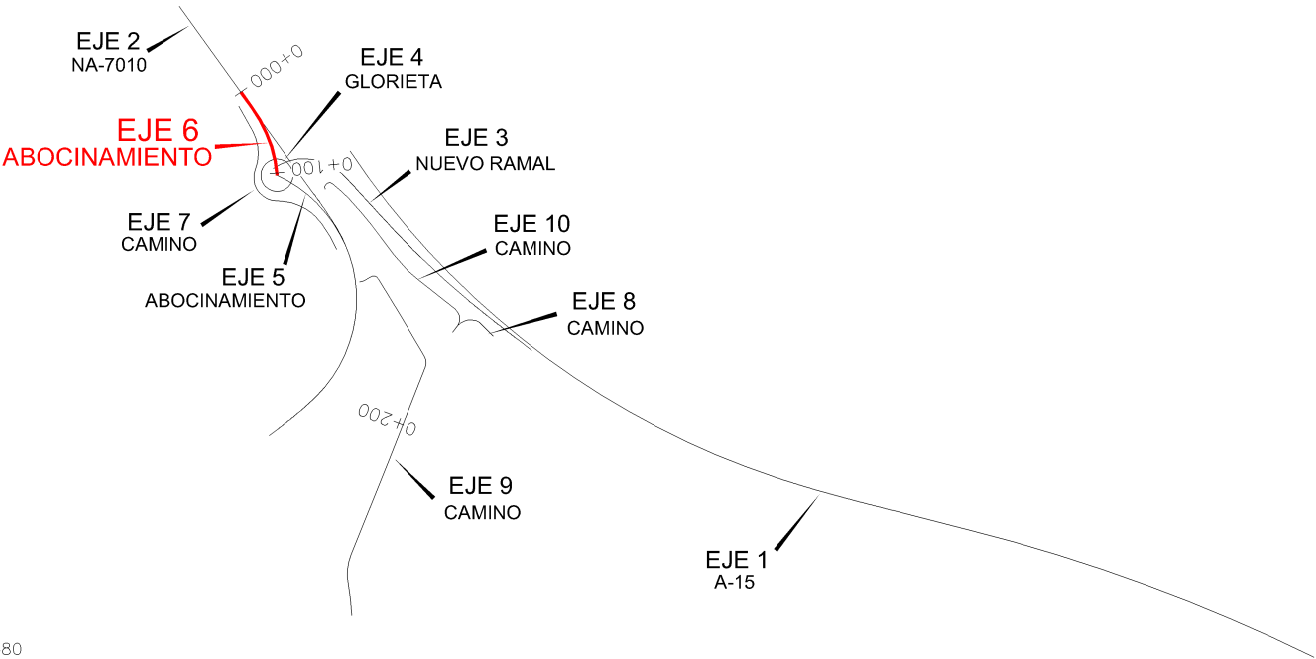


PERFIL LONGITUDINAL
EJE 3 NUEVO RAMAL
ESCALA H: 1/2.000
ESCALA V: 1/400

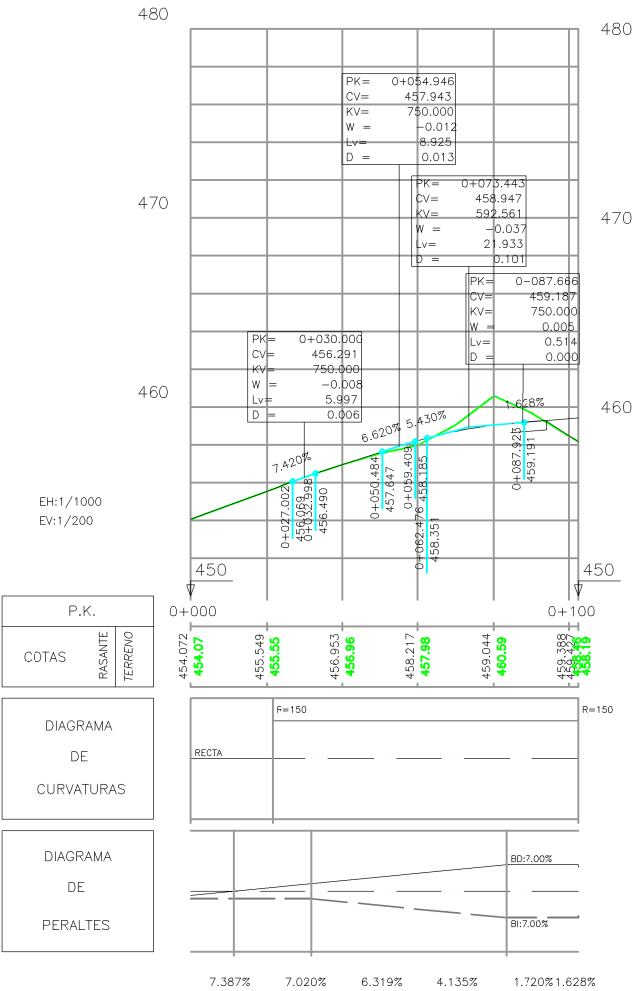


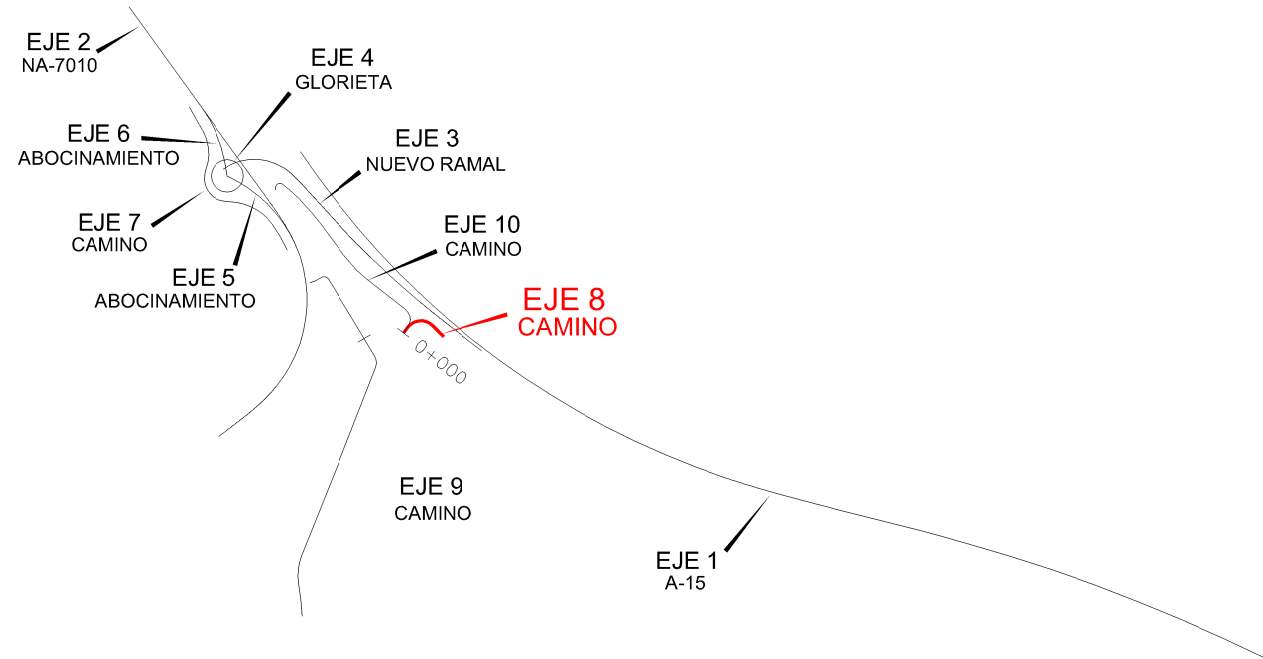
PERFIL LONGITUDINAL
EJE 4 NUEVA GLORIETA
ESCALA H: 1/2.000
ESCALA V: 1/400



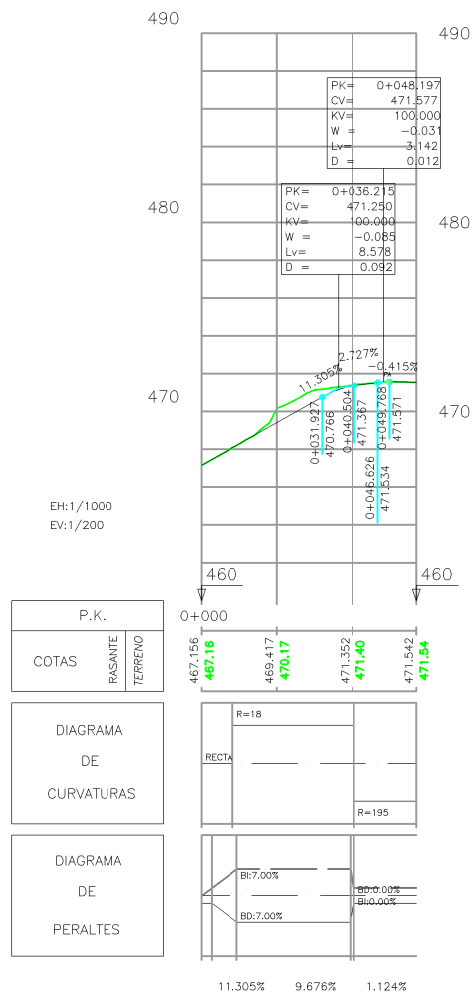


PERFIL LONGITUDINAL
EJE 6 ABOCINAMIENTO
ESCALA H: 1/2.000
ESCALA V: 1/400

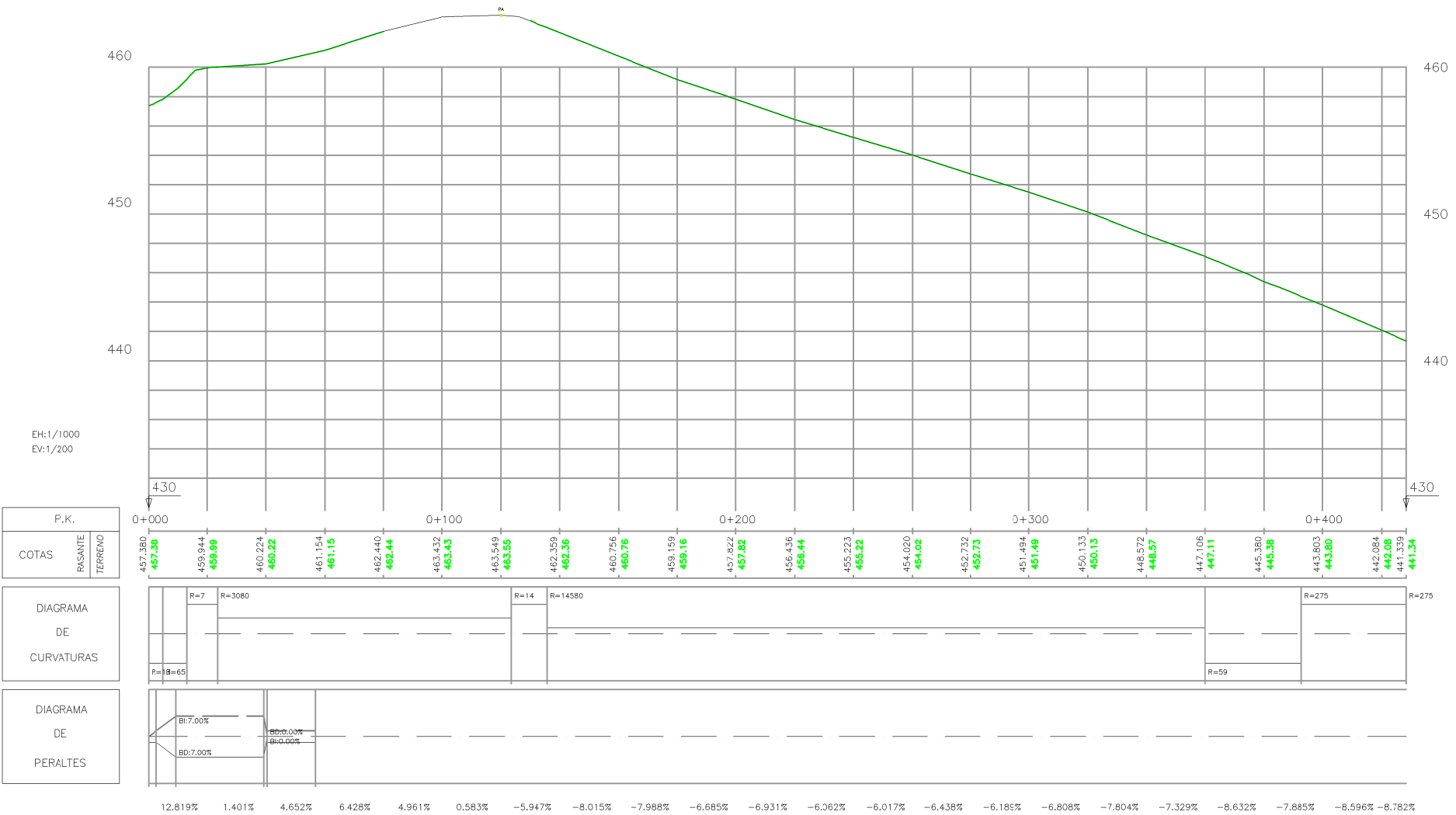
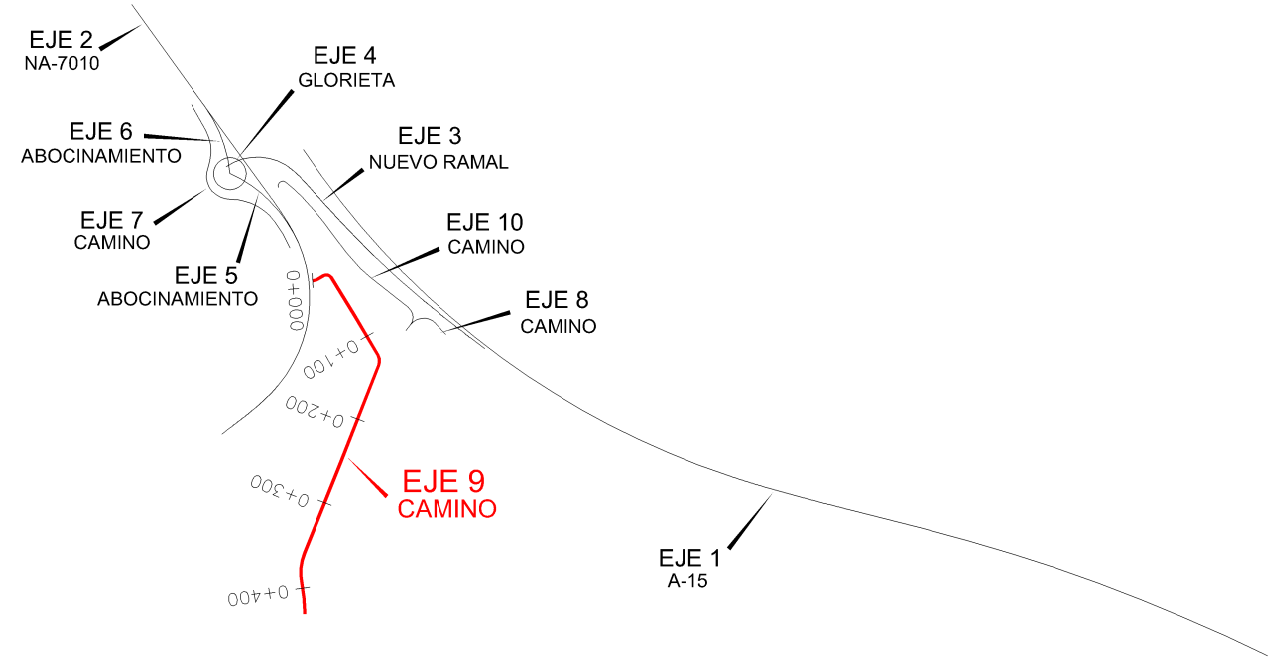


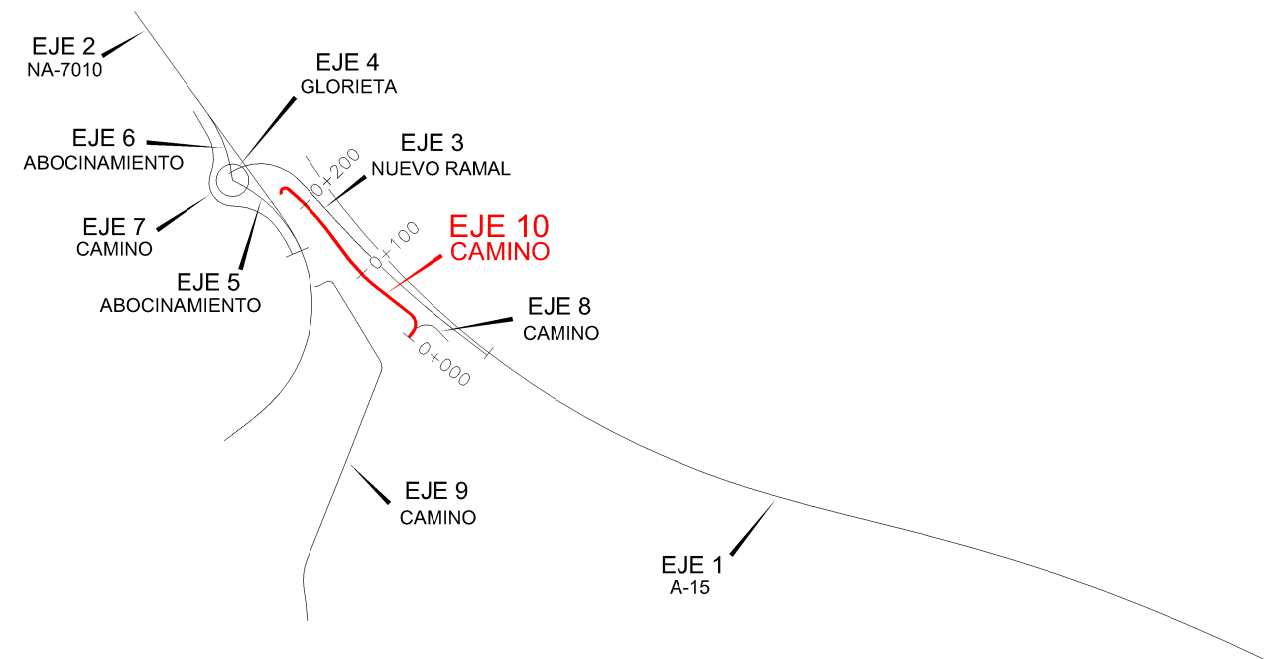


PERFIL LONGITUDINAL
EJE 8 CAMINO SE SERVICIO
ESCALA H: 1/2.000
ESCALA V: 1/400



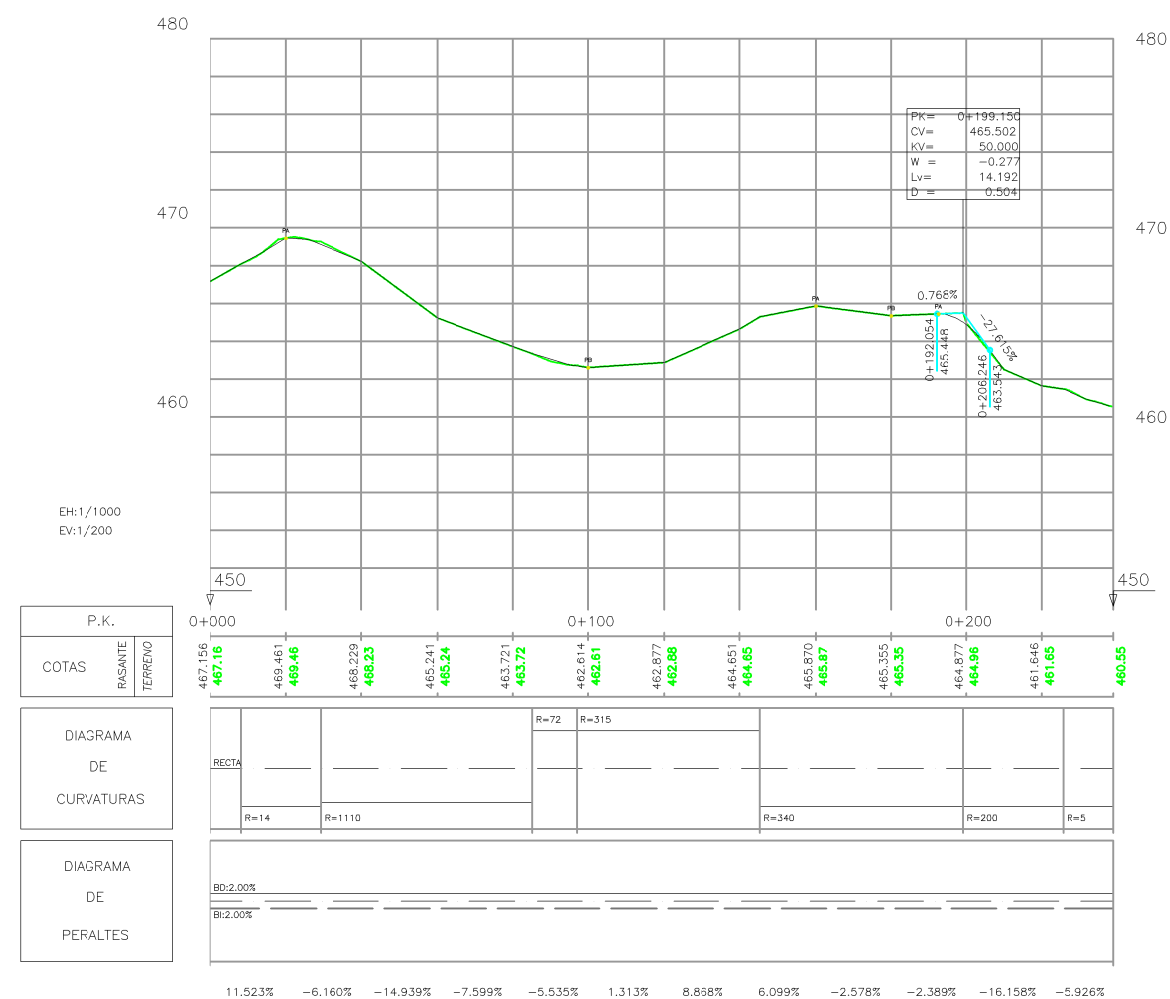
PERFIL LONGITUDINAL
EJE 9 CAMINO SE SERVICIO
ESCALA H: 1/2.000
ESCALA V: 1/400

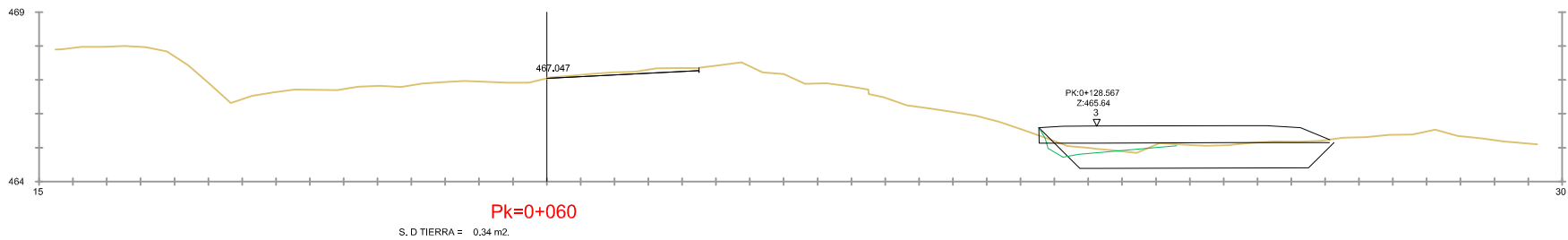
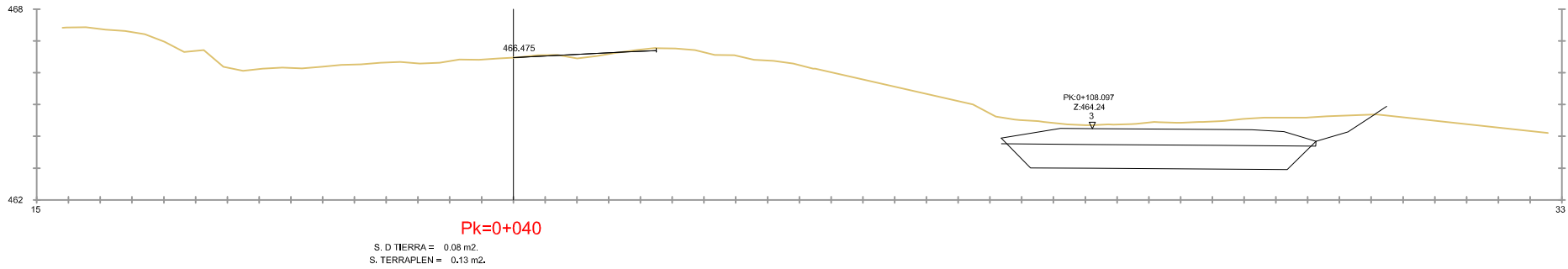
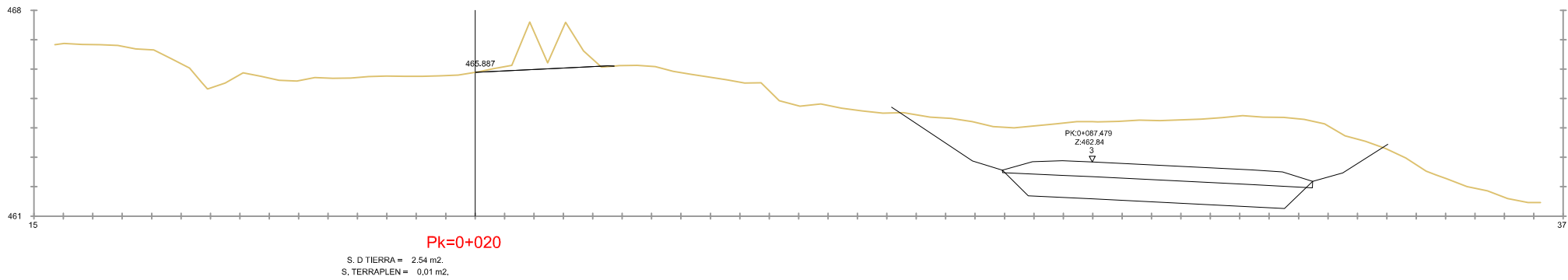
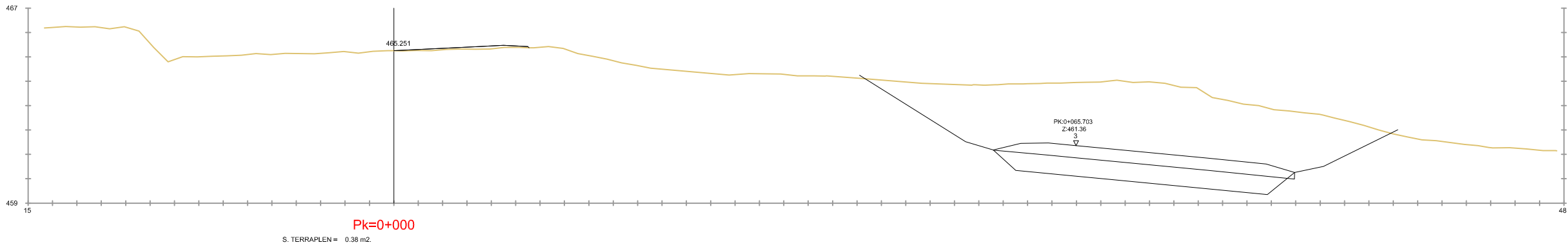


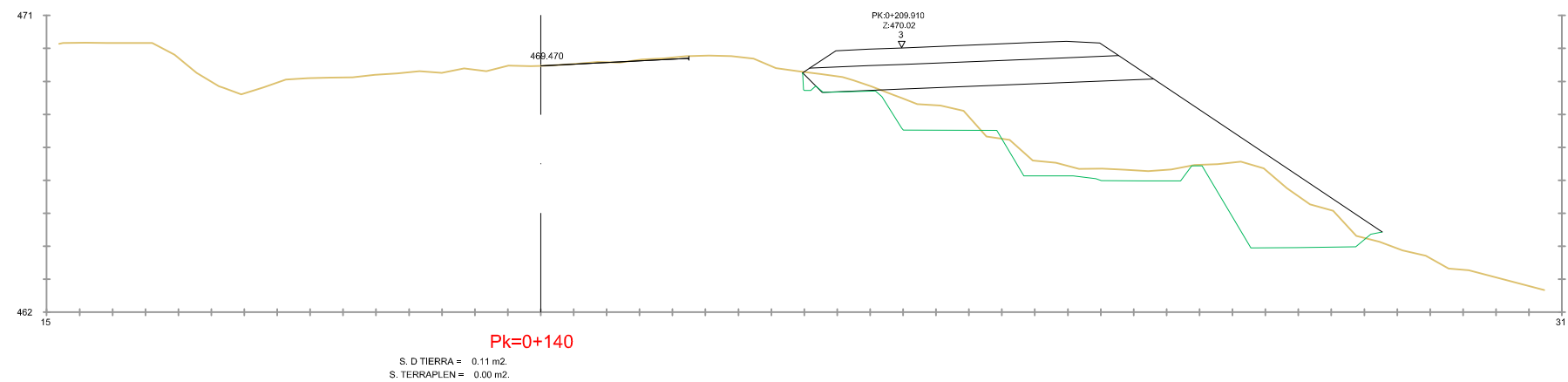
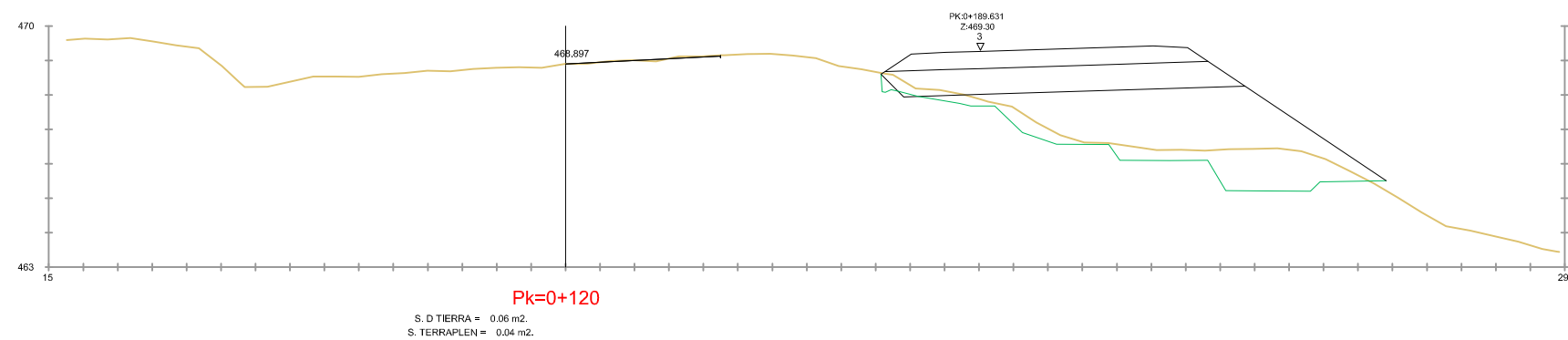
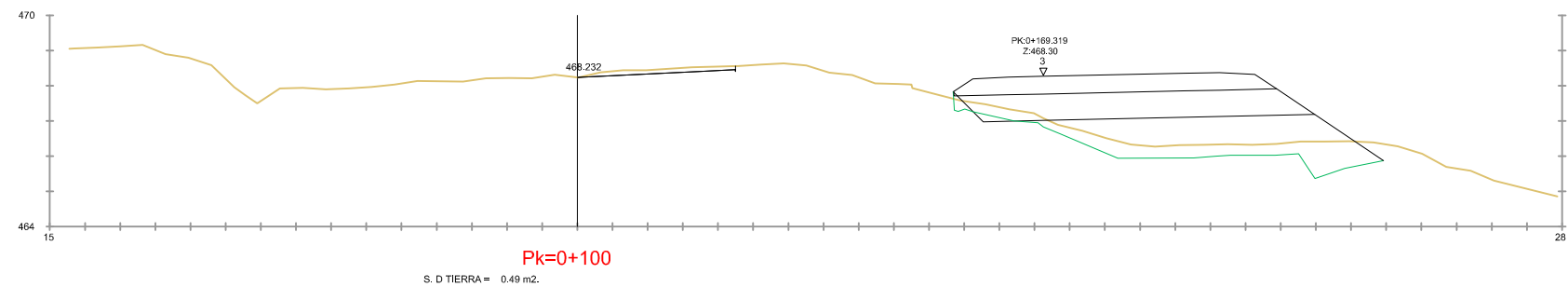


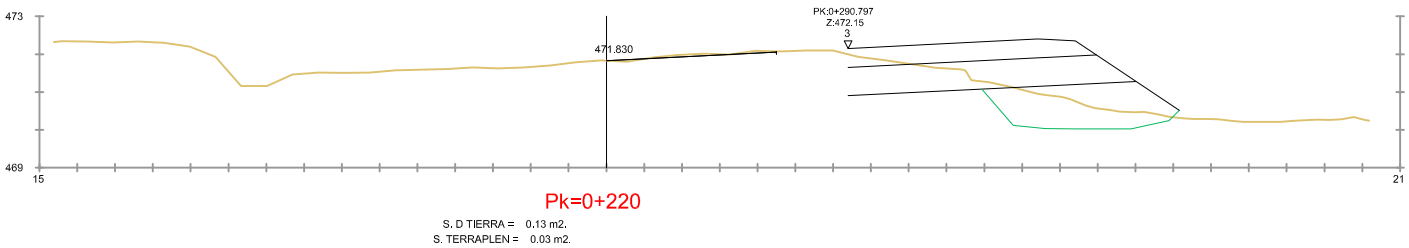
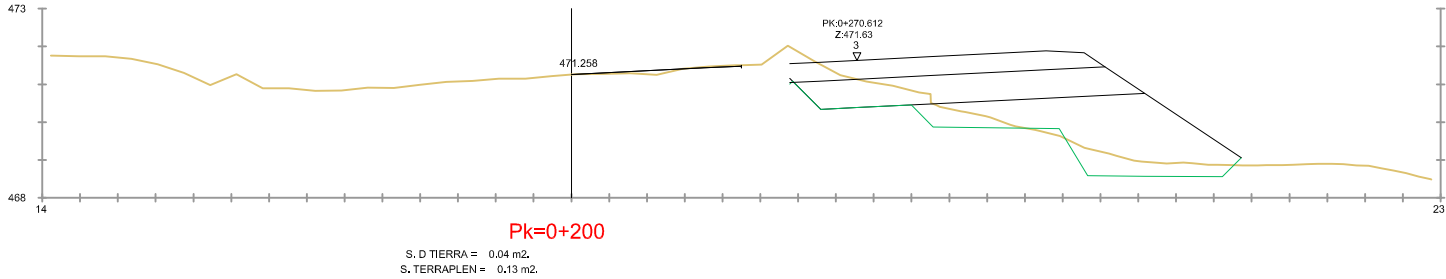
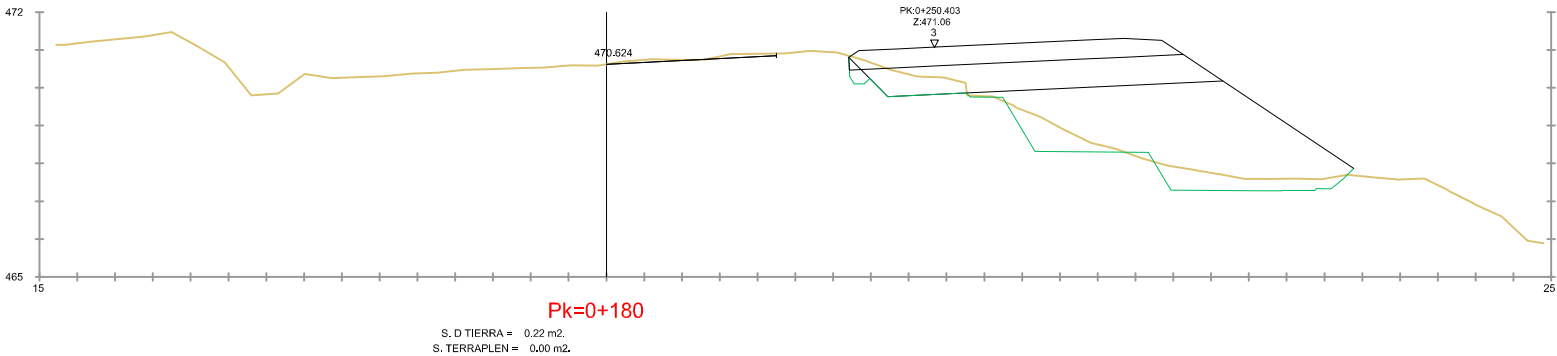
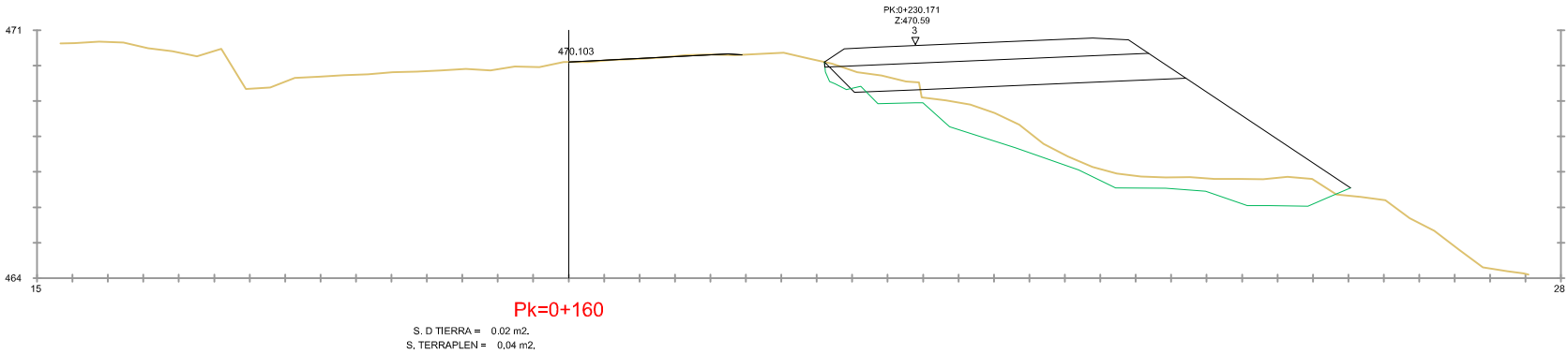
PERFIL LONGITUDINAL EJE 10 CAMINO SE SERVICIO

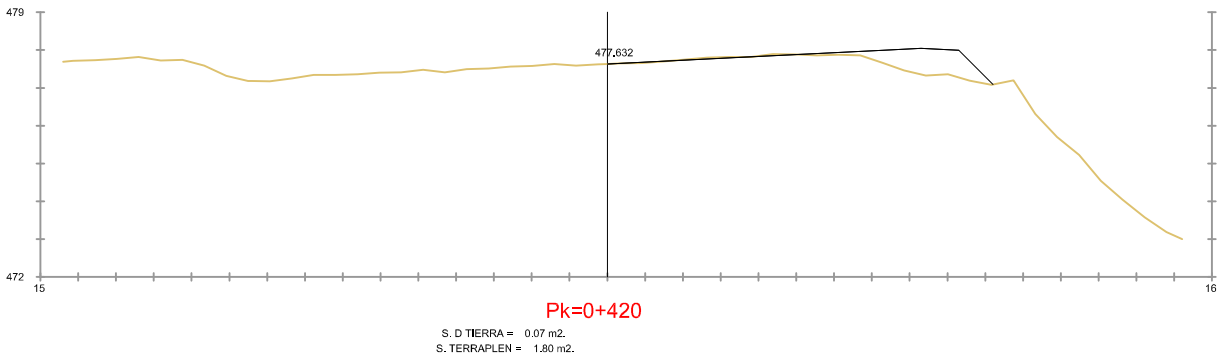
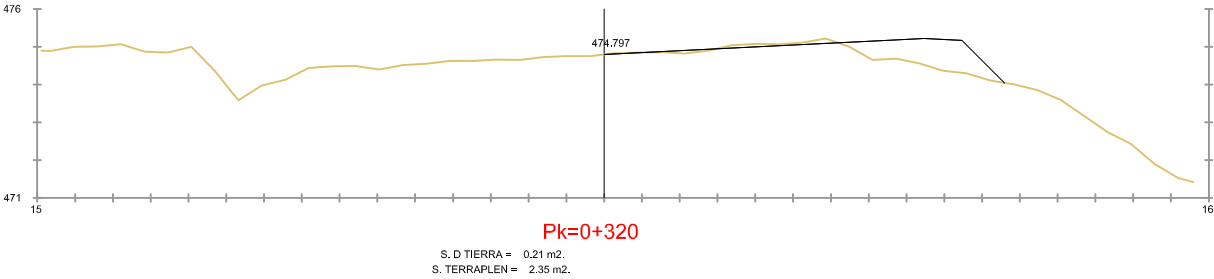
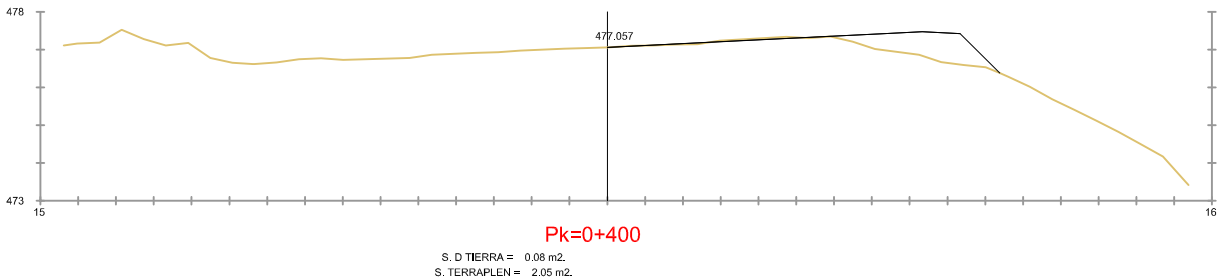
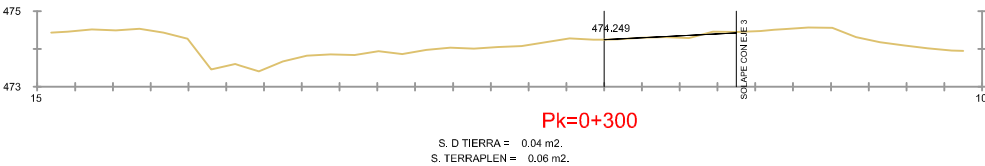
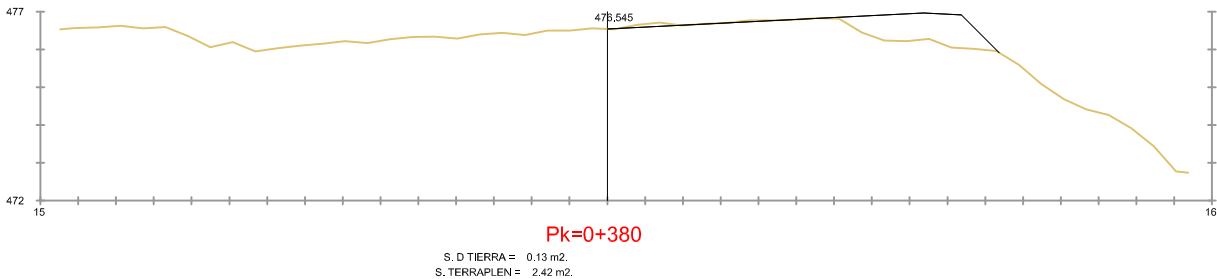
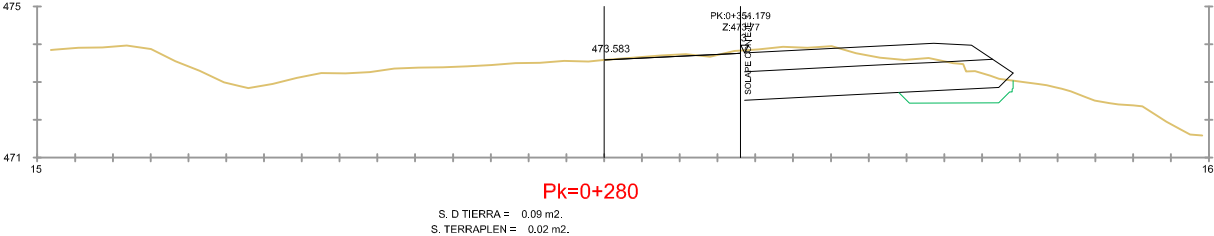
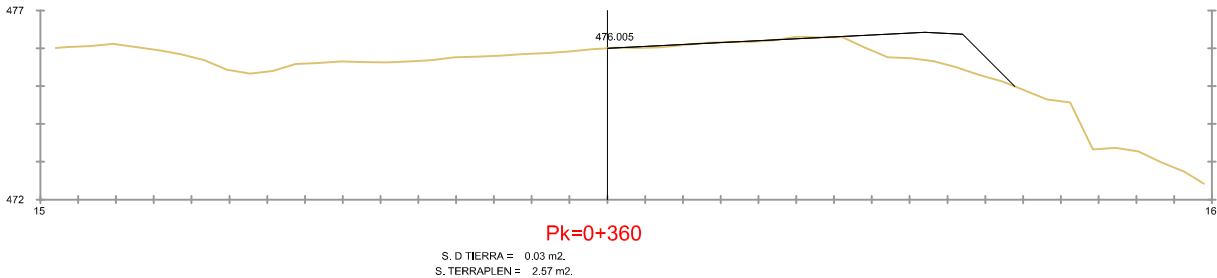
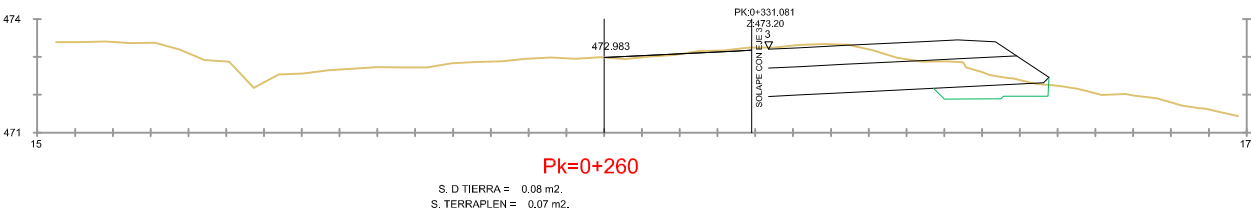
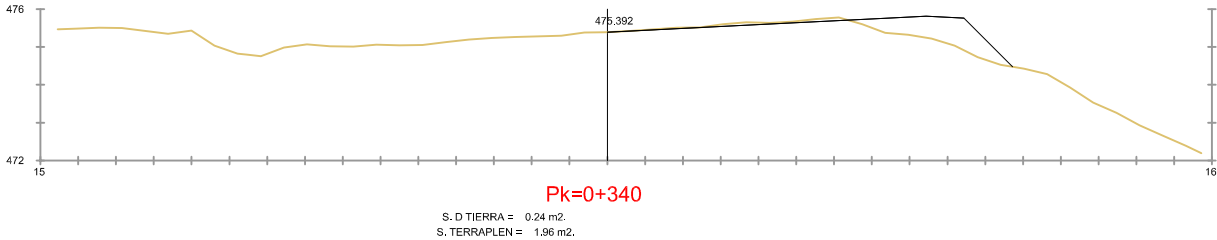
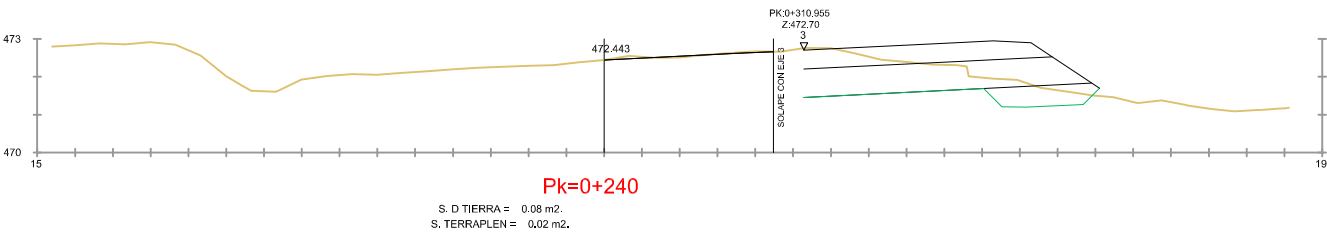
ESCALA H: 1/2.000
ESCALA V: 1/400

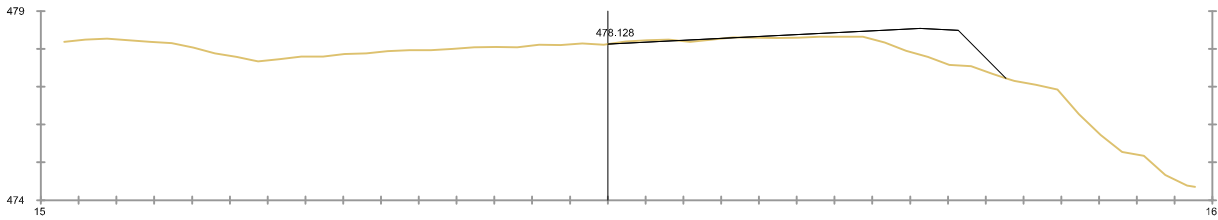




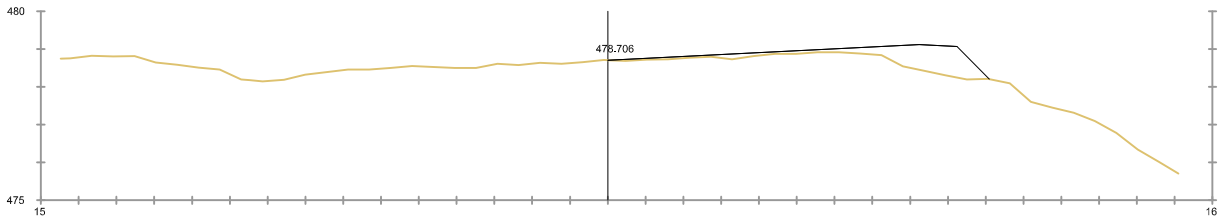




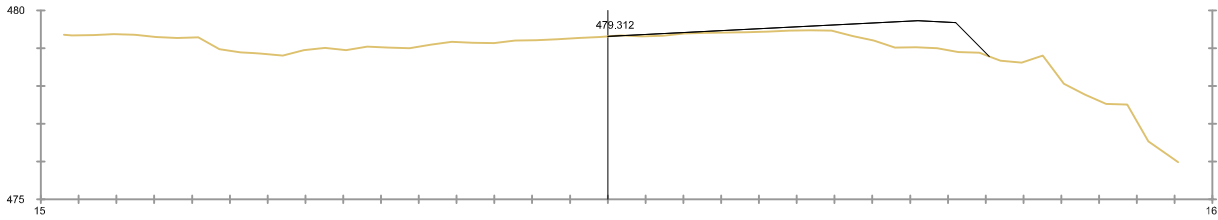




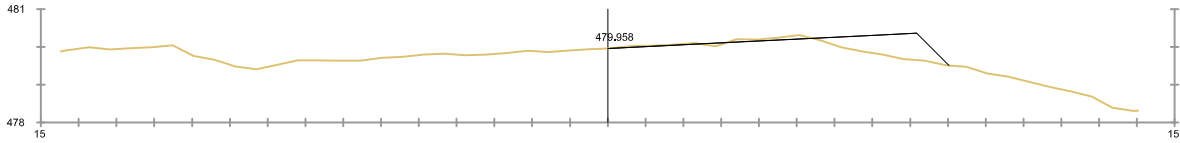
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S. TERRAPLEN = 2.29 m2.



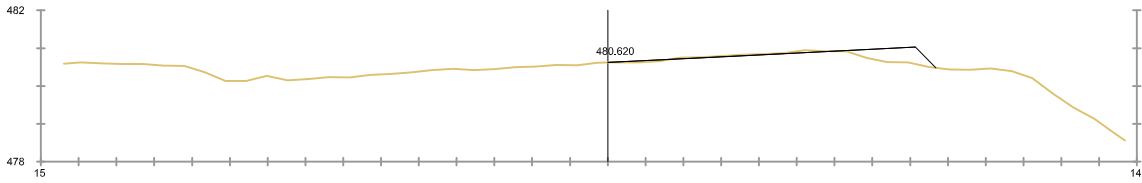
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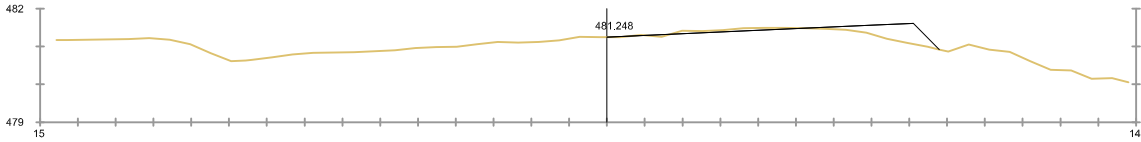
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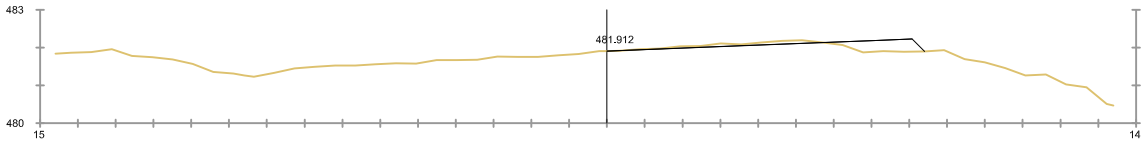
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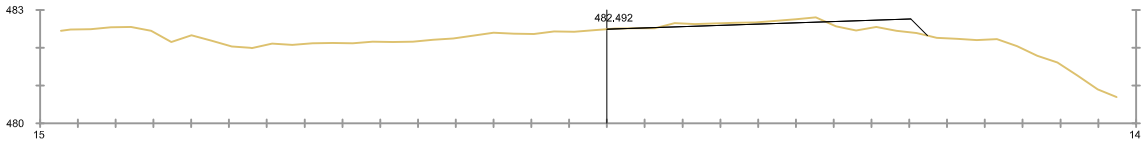
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S. TERRAPLEN = 0.68 m2.



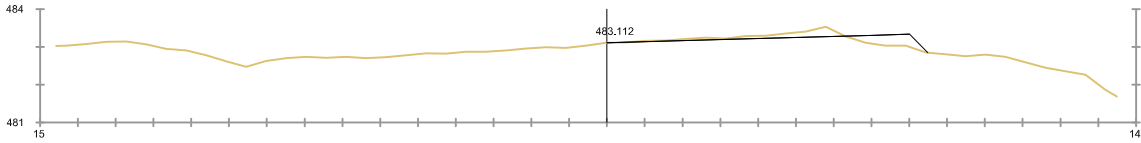
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S. TERRAPLEN = 0.81 m2.



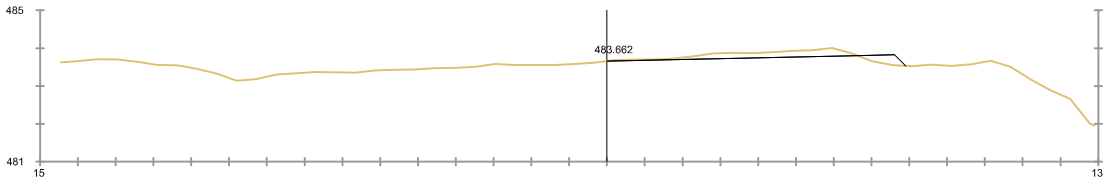
Pk=0+560
S. D TIERRA = 0.24 m2.
S. TERRAPLEN = 0.59 m2.



Pk=0+580
S. D TIERRA = 0.31 m2.
S. TERRAPLEN = 0.56 m2.



Pk=0+600
S. D TIERRA = 0.42 m2.
S. TERRAPLEN = 0.45 m2.



Pk=0+620
S. D TIERRA = 0.66 m2.
S. TERRAPLEN = 0.21 m2.



Gobierno de Navarra
Departamento de
Cohesión Territorial

DIRECCIÓN GENERAL DE OBRAS PÚBLICAS
Servicio de Estudios y Proyectos

sartecna
Proyectos, Estudios y Servicios
Técnicos de Navarra, S.A.

EL AUTOR DEL PROYECTO

Ignacio Salas de los Terreros Bustos.
Ing. Caminos, CC. y PP.

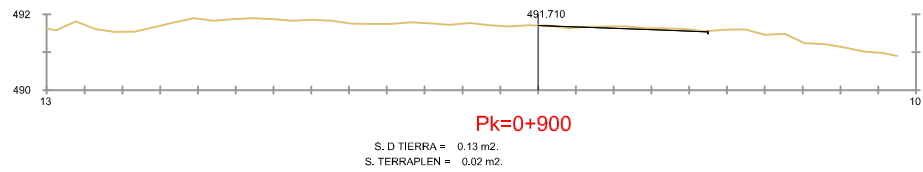
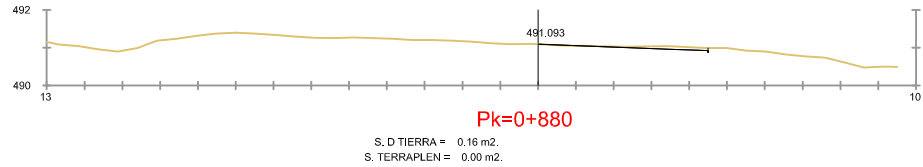
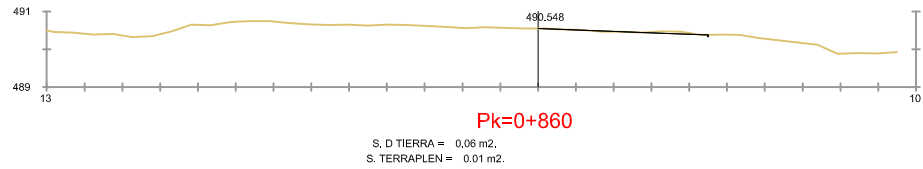
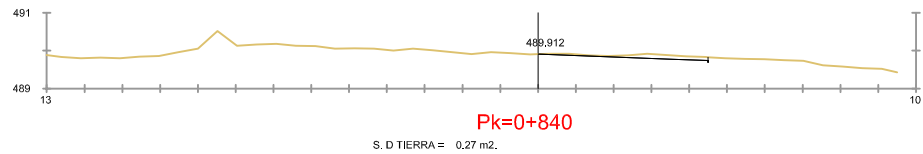
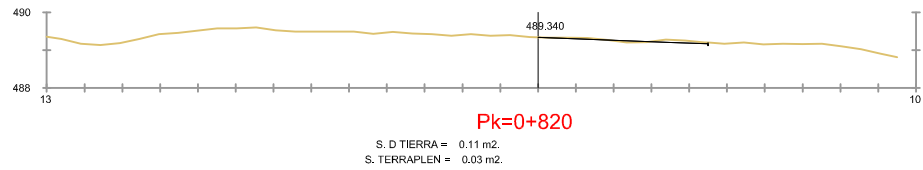
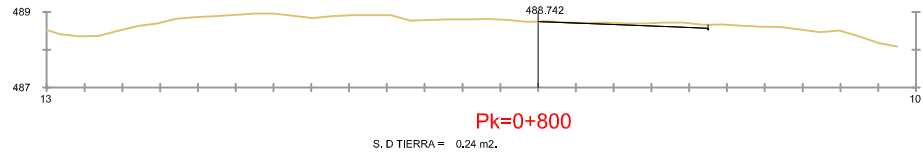
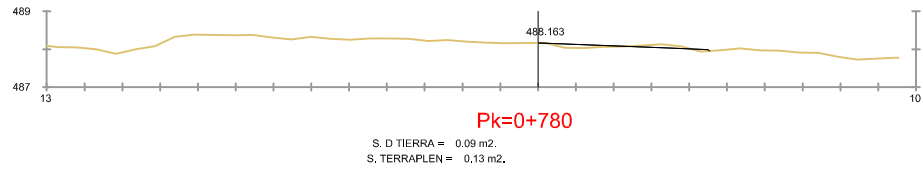
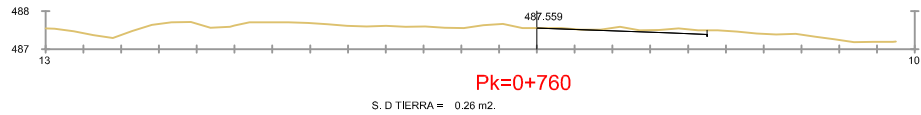
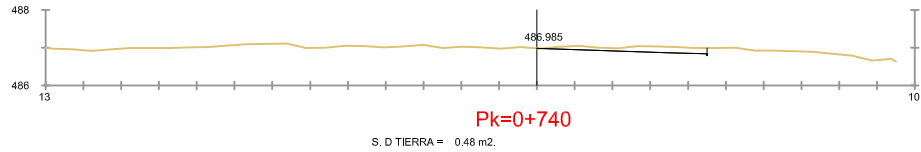
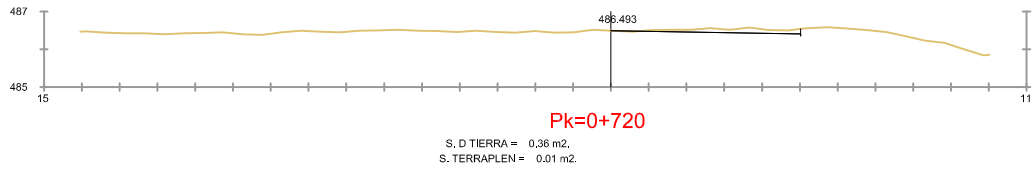
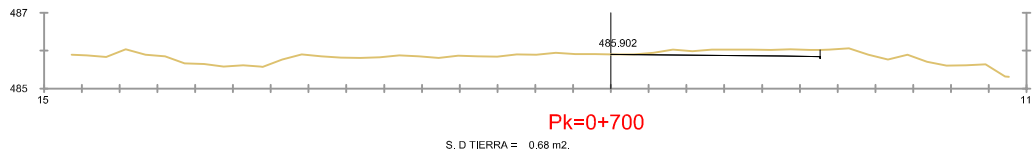
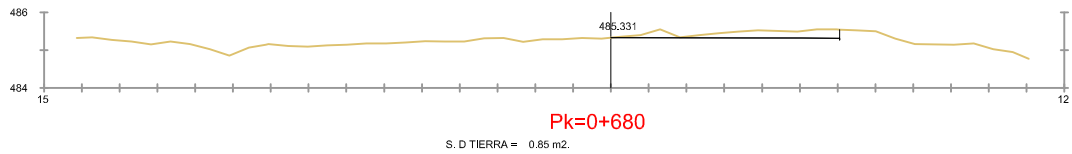
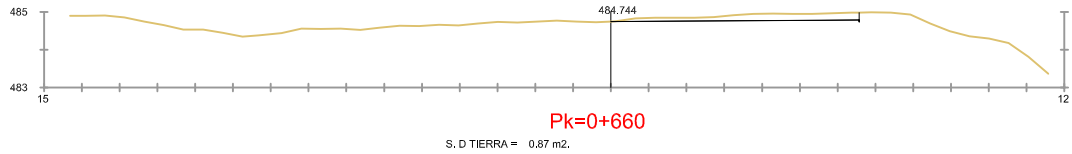
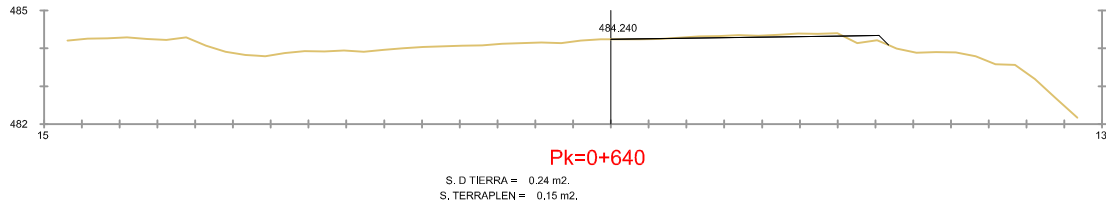
PROYECTO DE CONSTRUCCION:
NUEVO CARRIL DE INCORPORACION A LA A-15
SENTIDO PAMPLONA EN IZURDIAGA, NAVARRA

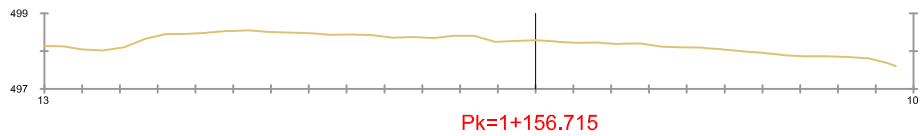
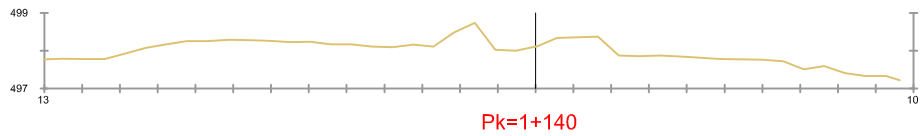
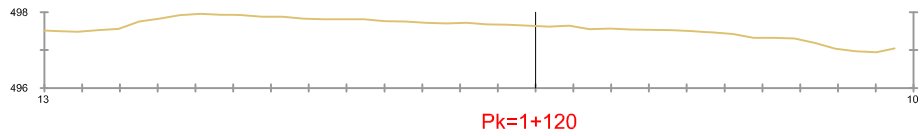
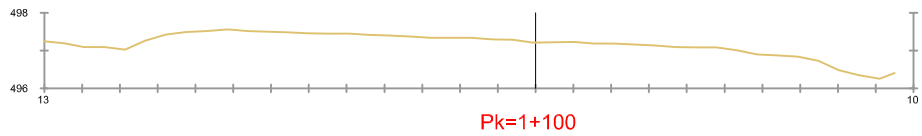
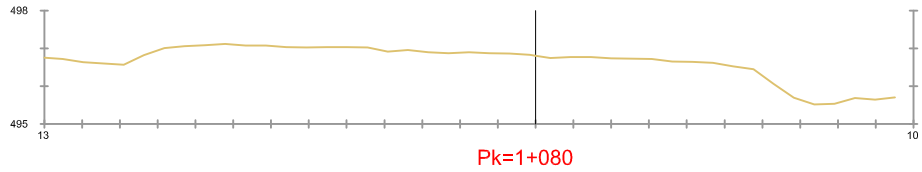
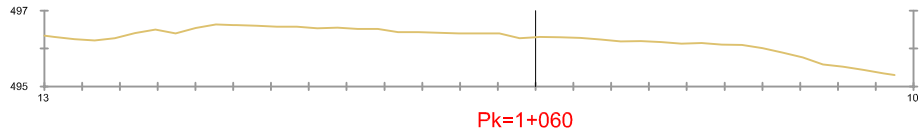
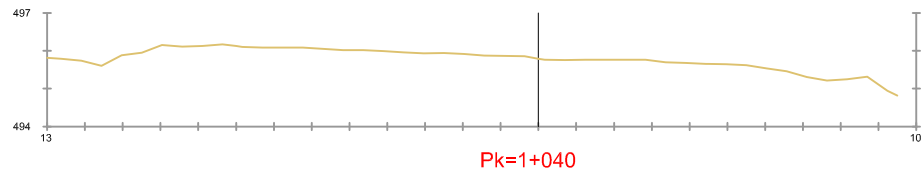
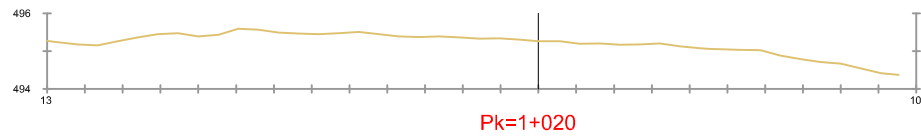
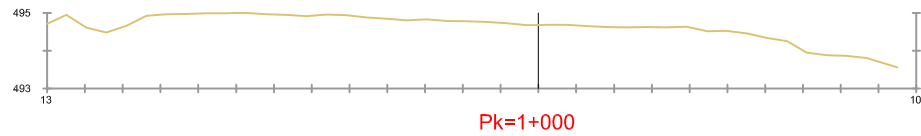
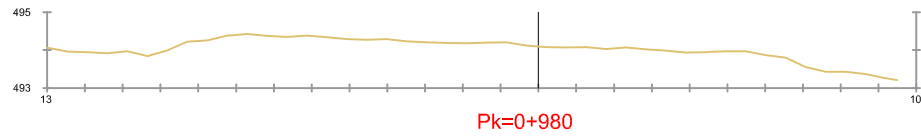
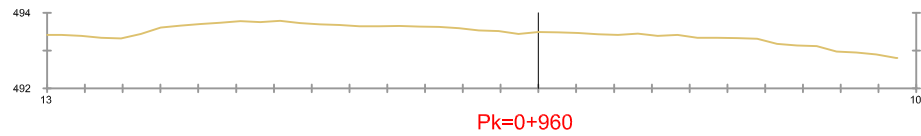
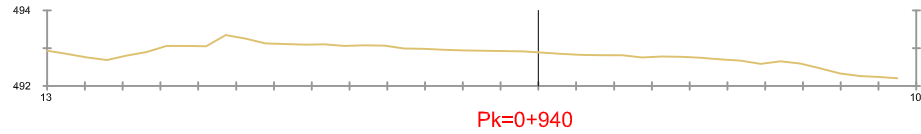
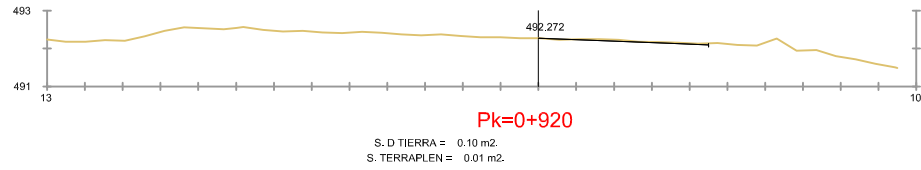
ESCALA DIN A3: 1/400
Gráfica: 0 2 4 6m

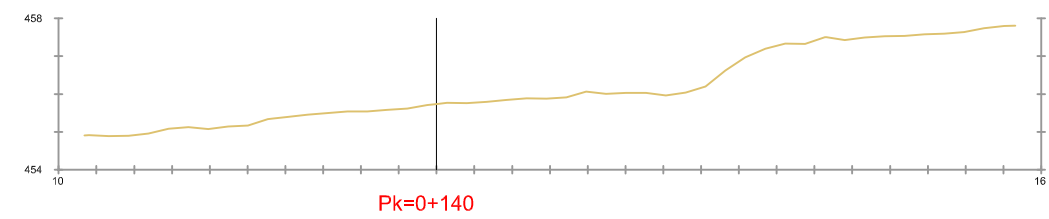
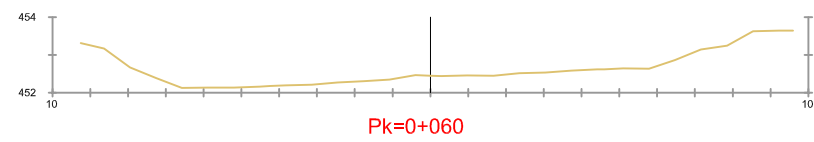
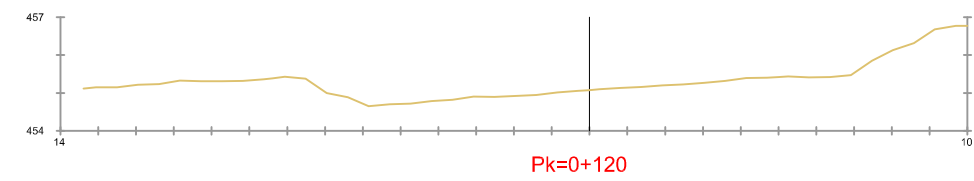
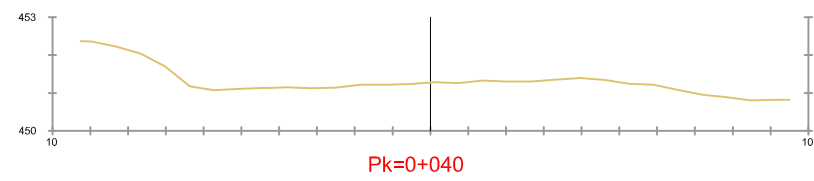
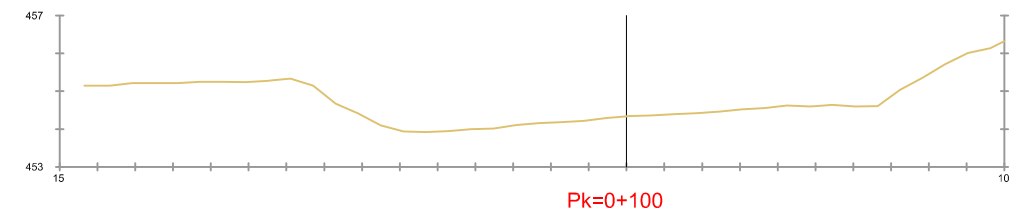
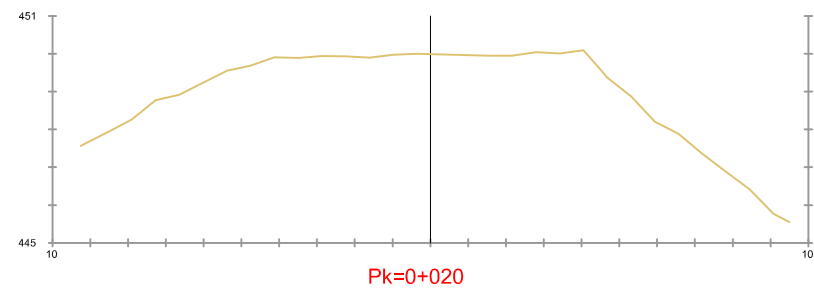
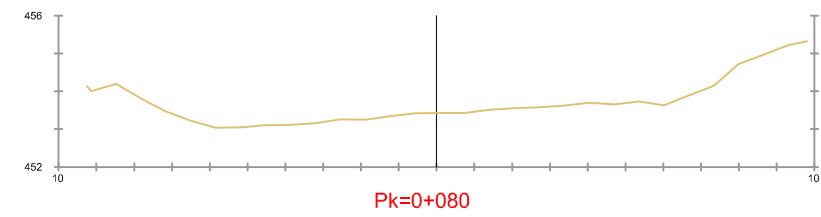
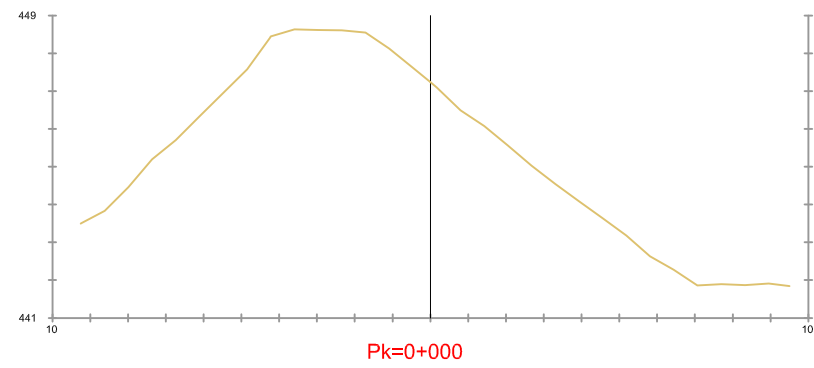
DESIGNACION DEL PLANO
PERFILES TRANSVERSALES
EJE 1 (AUTOPISTA A-15)

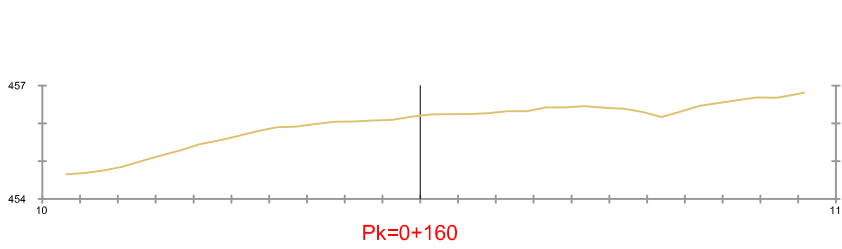
NOMBRE FICHERO:
07 Perfiles transversales.dwg
FECHA:
MARZO 2023

PLANO
7.1
HOJA 5 DE 7

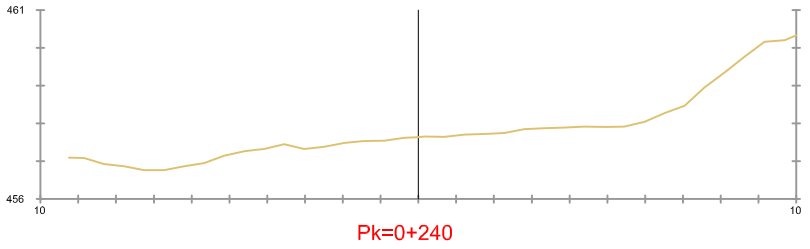




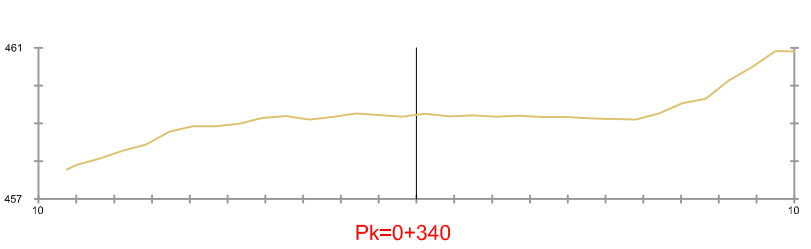




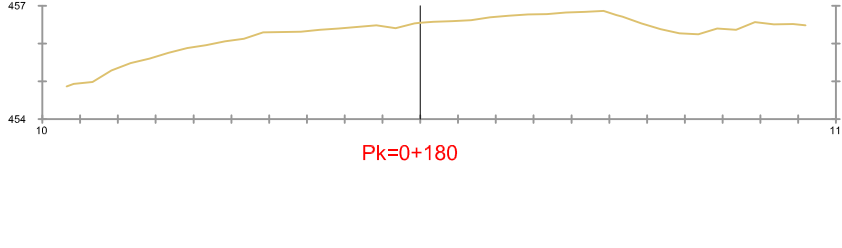
Pk=0+160



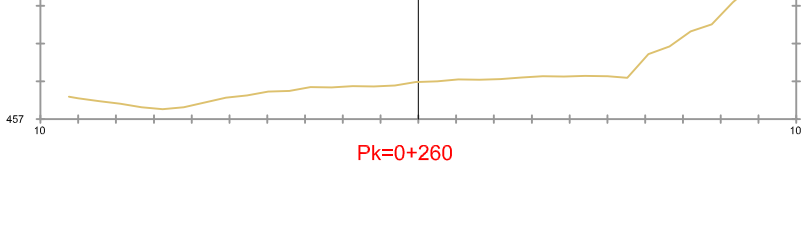
Pk=0+240



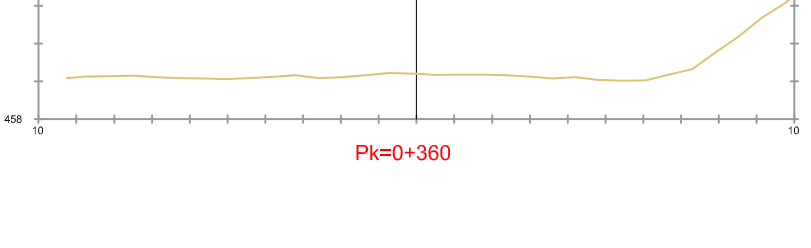
Pk=0+340



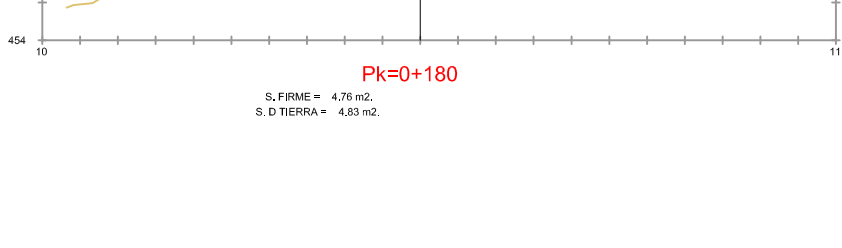
Pk=0+180



Pk=0+260

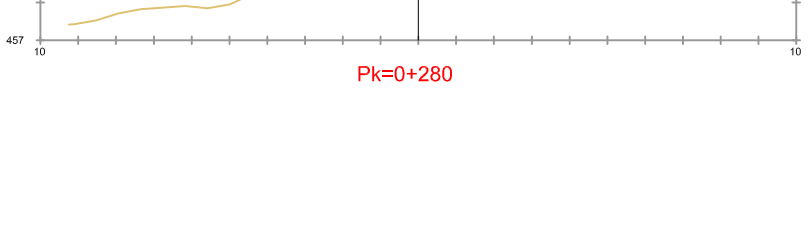


Pk=0+360

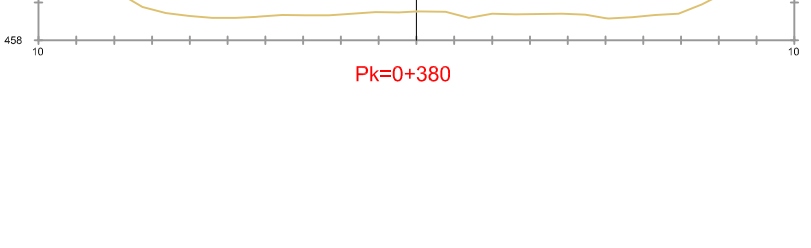


Pk=0+180

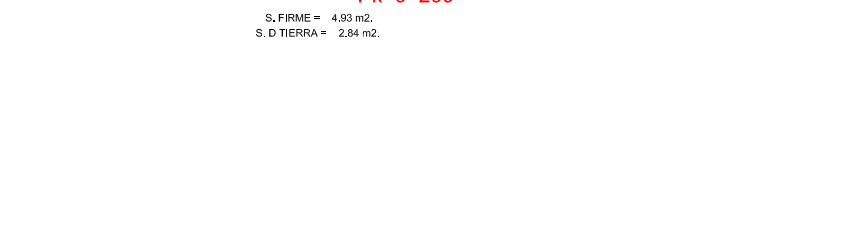
S. FIRME = 4,76 m2.
S. D TIERRA = 4,83 m2.



Pk=0+280

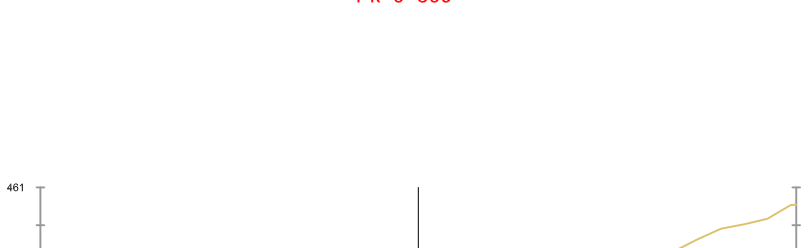


Pk=0+380

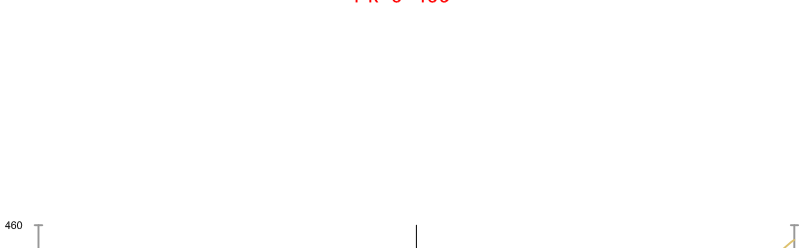


Pk=0+200

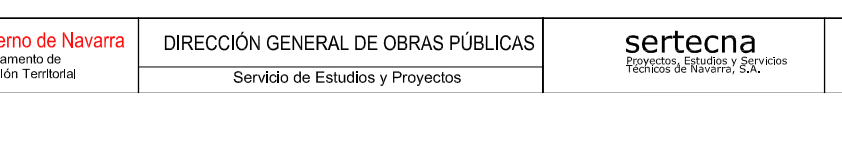
S. FIRME = 4,93 m2.
S. D TIERRA = 2,84 m2.



Pk=0+300



Pk=0+400



Pk=0+220

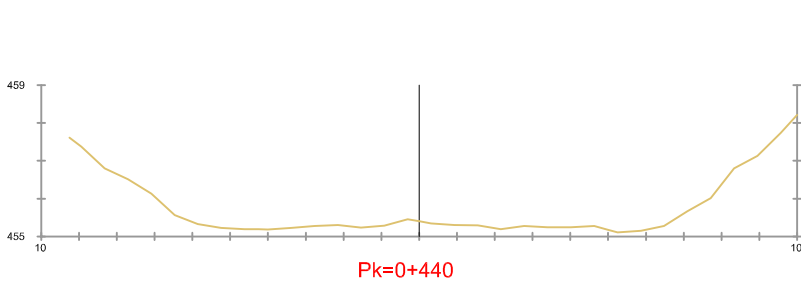
S. FIRME = 5,02 m2.
S. D TIERRA = 5,34 m2.



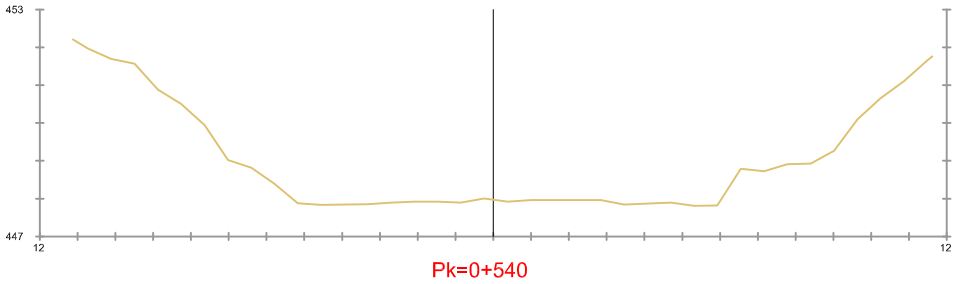
Pk=0+320



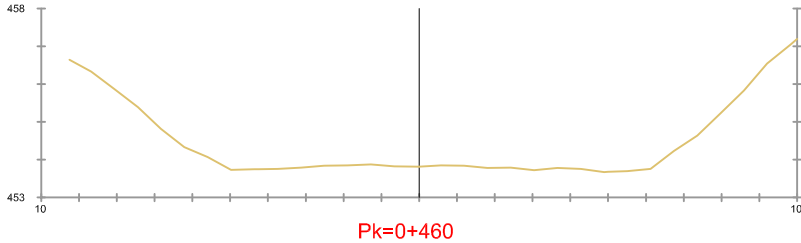
Pk=0+420



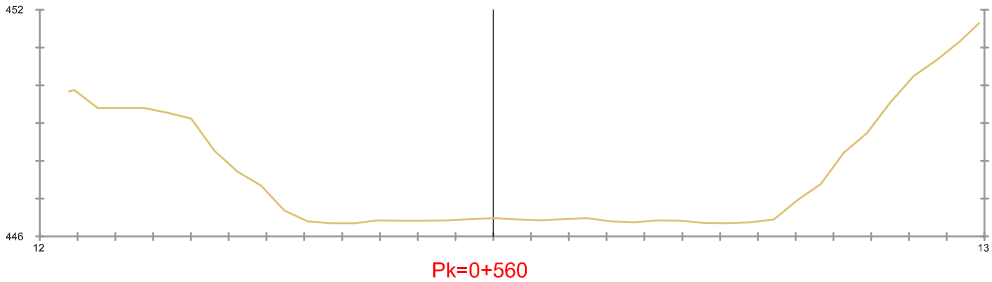
Pk=0+440



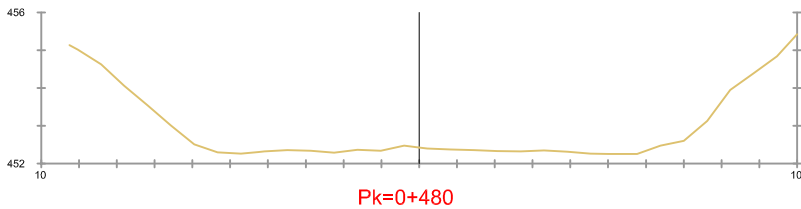
Pk=0+540



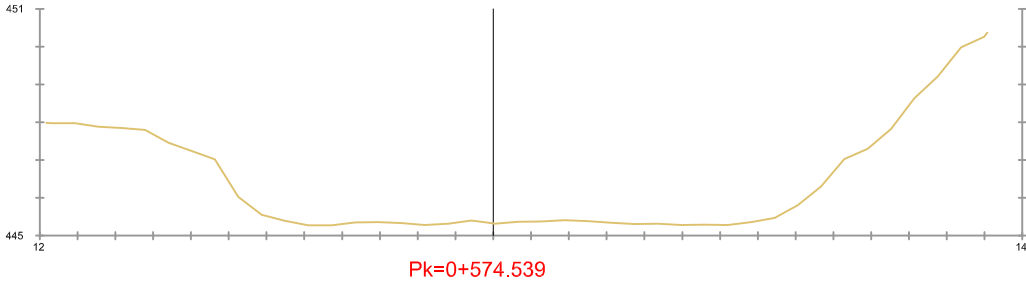
Pk=0+460



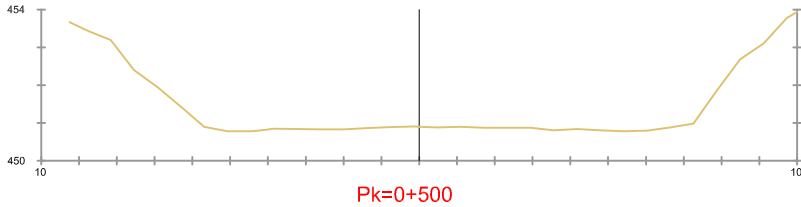
Pk=0+560



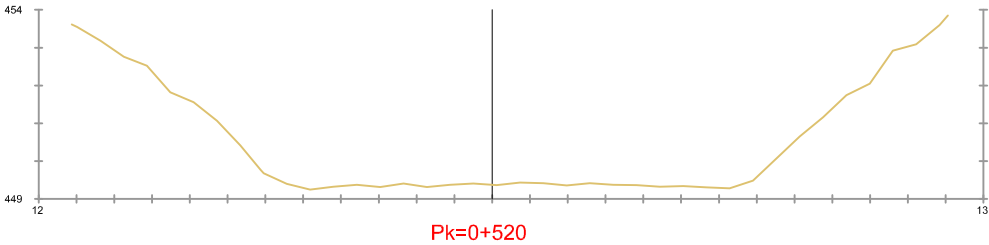
Pk=0+480



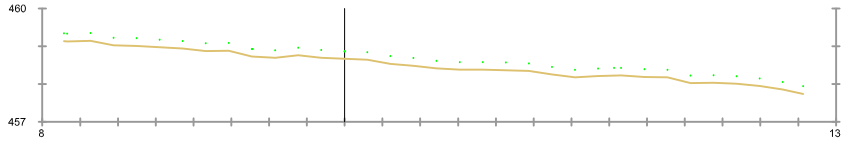
Pk=0+574.539



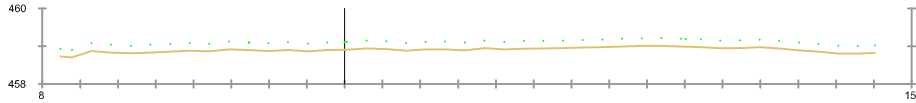
Pk=0+500



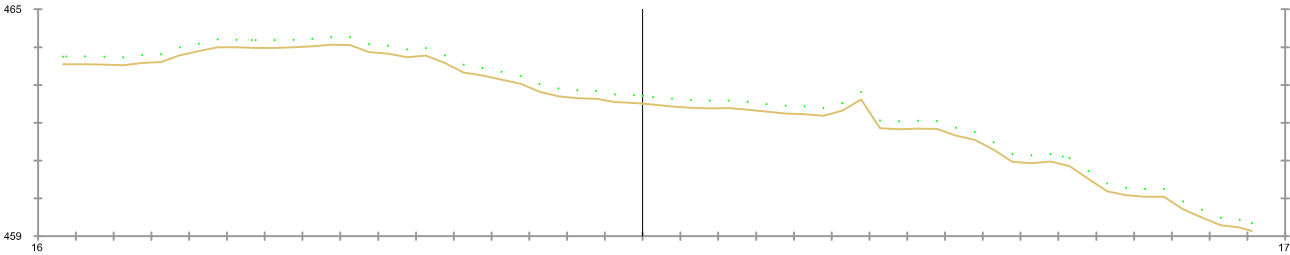
Pk=0+520



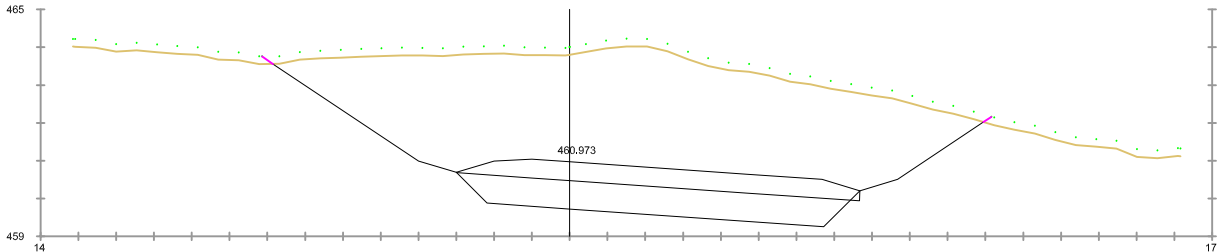
Pk=0+000



Pk=0+020

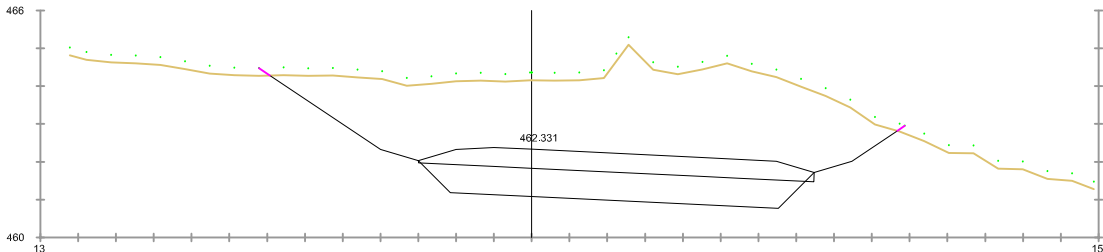


Pk=0+040



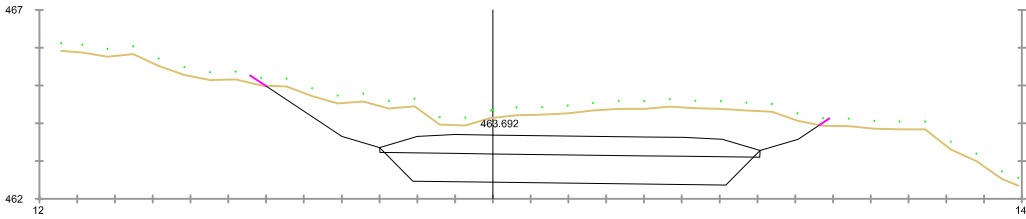
Pk=0+060

S. FIRME = 4,86 m2.
S. D TIERRA = 55,36 m2.
S. SUELO SEL 1 = 7,24 m2.
S. VEGETAL = 3,81 m2.



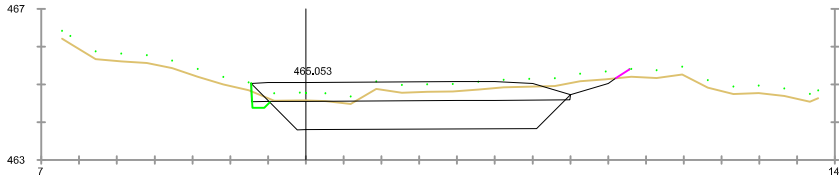
Pk=0+080

S. FIRME = 4,79 m2.
S. D TIERRA = 41,13 m2.
S. SUELO SEL 1 = 7,07 m2.
S. VEGETAL = 3,37 m2.



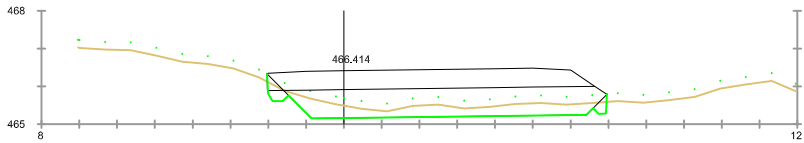
Pk=0+100

S. FIRME = 4,59 m2.
S. D TIERRA = 20,93 m2.
S. SUELO SEL 1 = 6,77 m2.
S. VEGETAL = 2,99 m2.



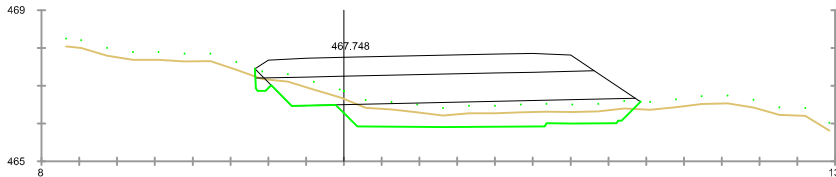
Pk=0+120

S. FIRME = 3,98 m2.
S. D TIERRA = 7,16 m2.
S. SUELO SEL 1 = 5,31 m2.
S. TERRAPLEN = 0,03 m2.
S. EXCAVA SANEIO = 0,14 m2.
S. TERRAP SANEIO = 0,14 m2.
S. VEGETAL = 1,97 m2.



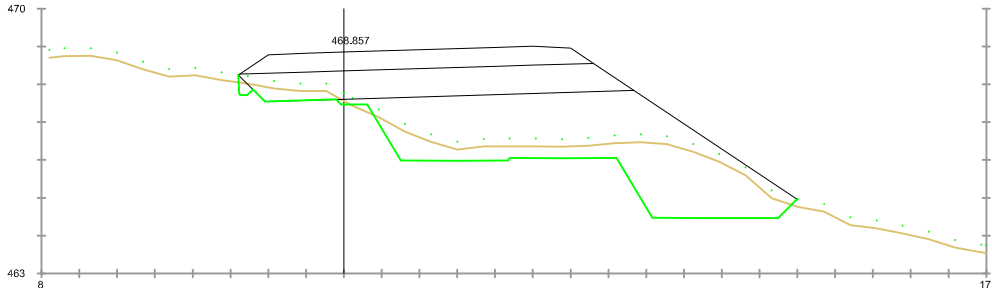
Pk=0+140

S. FIRME = 4,10 m2.
S. D TIERRA = 2,31 m2.
S. SUELO SEL 1 = 5,36 m2.
S. TERRAPLEN = 0,06 m2.
S. EXCAVA SANEIO = 0,25 m2.
S. TERRAP SANEIO = 0,25 m2.
S. VEGETAL = 1,80 m2.



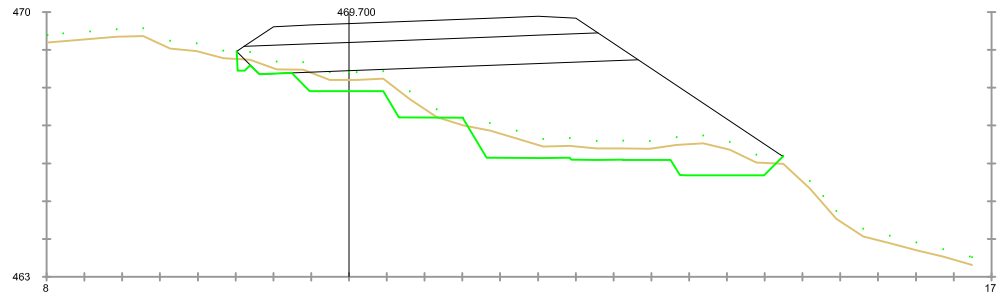
Pk=0+160

S. FIRME = 4,21 m2.
S. D TIERRA = 0,77 m2.
S. SUELO SEL 1 = 6,68 m2.
S. TERRAPLEN = 2,06 m2.
S. EXCAVA SANEIO = 2,89 m2.
S. TERRAP SANEIO = 2,89 m2.
S. VEGETAL = 2,02 m2.



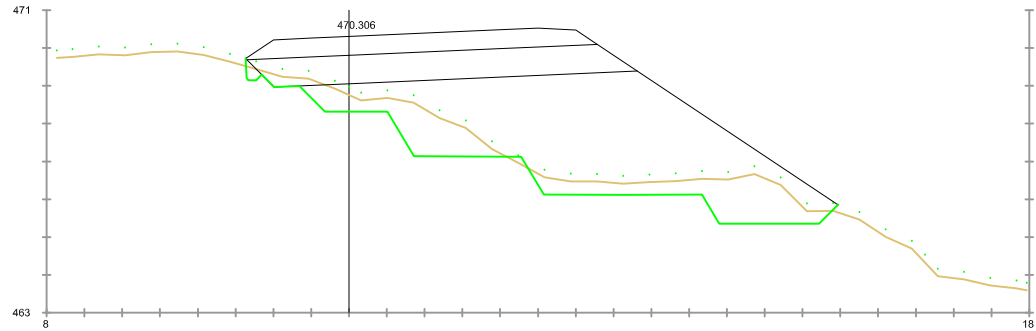
Pk=0+180

S. FIRME = 4,26 m2.
S. D TIERRA = 0,59 m2.
S. SUELO SEL 1 = 7,19 m2.
S. TERRAPLEN = 11,31 m2.
S. EXCAVA SANEIO = 8,55 m2.
S. TERRAP SANEIO = 8,55 m2.
S. VEGETAL = 2,88 m2.



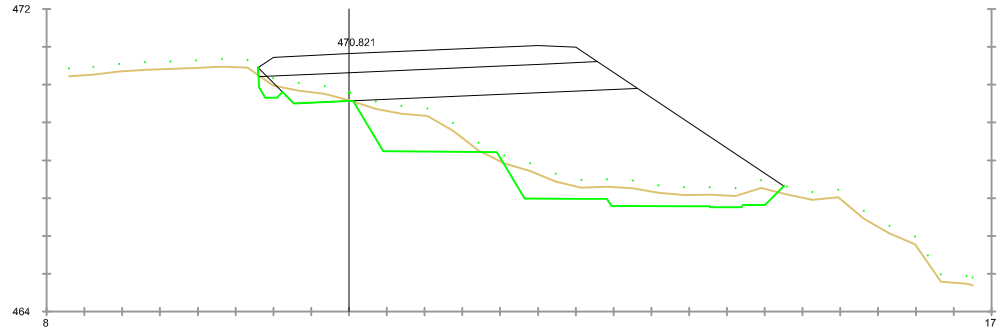
Pk=0+200

S. FIRME = 4.26 m2.	S. EXCAVA SANEADO = 5.11 m2.
S. D TIERRA = 0.23 m2.	S. TERRAP SANEADO = 5.11 m2.
S. SUELO SEL 1 = 7.37 m2.	S. VEGETAL = 2.79 m2.
S. TERRAPLEN = 16.46 m2.	



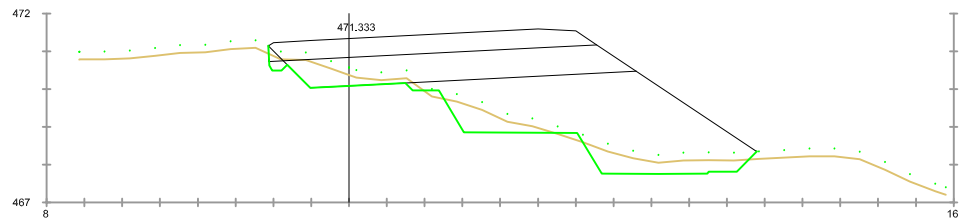
Pk=0+220

S. FIRME = 4.26 m2.	S. EXCAVA SANEADO = 8.03 m2.
S. D TIERRA = 0.34 m2.	S. TERRAP SANEADO = 8.03 m2.
S. SUELO SEL 1 = 7.08 m2.	S. VEGETAL = 3.06 m2.
S. TERRAPLEN = 20.38 m2.	



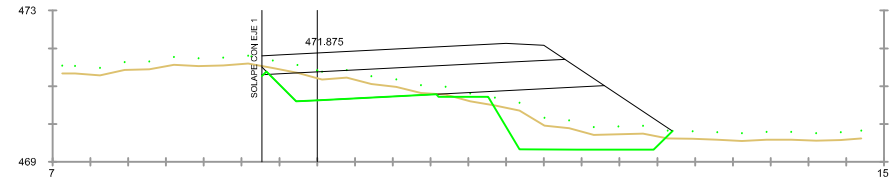
Pk=0+240

S. FIRME = 4.21 m2.	S. EXCAVA SANEADO = 5.29 m2.
S. D TIERRA = 0.39 m2.	S. TERRAP SANEADO = 5.29 m2.
S. SUELO SEL 1 = 6.69 m2.	S. VEGETAL = 2.71 m2.
S. TERRAPLEN = 17.05 m2.	



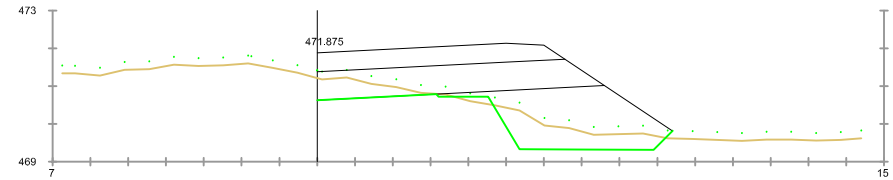
Pk=0+260

S. FIRME = 4.12 m2.	S. EXCAVA SANEADO = 2.77 m2.
S. D TIERRA = 1.02 m2.	S. TERRAP SANEADO = 2.77 m2.
S. SUELO SEL 1 = 6.35 m2.	S. VEGETAL = 2.42 m2.
S. TERRAPLEN = 11.41 m2.	



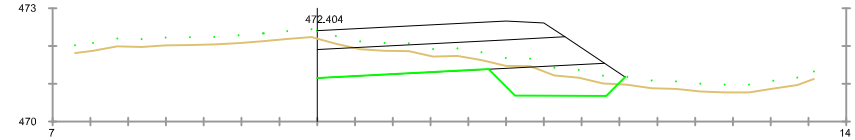
Pk=0+280

S. FIRME = 3.79 m2.	S. EXCAVA SANEADO = 2.35 m2.
S. D TIERRA = 1.78 m2.	S. TERRAP SANEADO = 2.35 m2.
S. SUELO SEL 1 = 5.99 m2.	S. VEGETAL = 2.04 m2.
S. TERRAPLEN = 4.03 m2.	



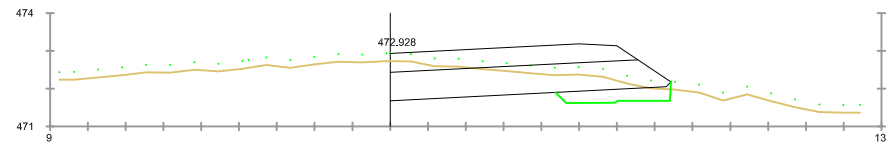
Pk=0+280

S. FIRME = 3.06 m2.	S. EXCAVA SANEADO = 2.34 m2.
S. D TIERRA = 1.04 m2.	S. TERRAP SANEADO = 2.34 m2.
S. SUELO SEL 1 = 5.31 m2.	S. VEGETAL = 1.74 m2.
S. TERRAPLEN = 4.03 m2.	



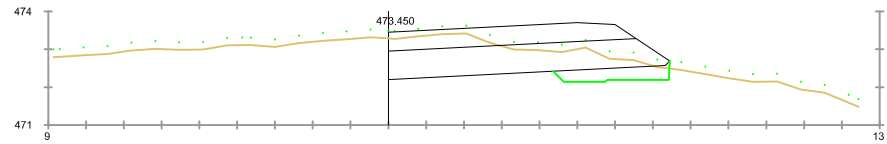
Pk=0+300

S. FIRME = 3.06 m2.	S. EXCAVA SANEADO = 1.65 m2.
S. D TIERRA = 2.71 m2.	S. TERRAP SANEADO = 1.65 m2.
S. SUELO SEL 1 = 5.31 m2.	S. VEGETAL = 1.61 m2.
S. TERRAPLEN = 0.76 m2.	



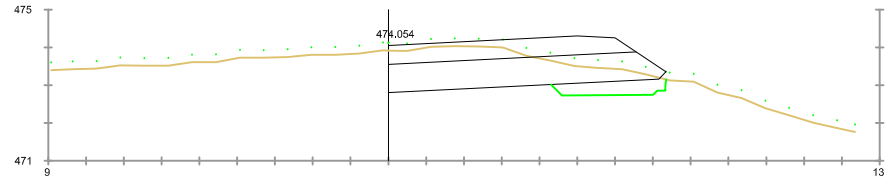
Pk=0+320

S. FIRME = 3.06 m2.	S. EXCAVA SANEADO = 0.94 m2.
S. D TIERRA = 4.02 m2.	S. TERRAP SANEADO = 0.94 m2.
S. SUELO SEL 1 = 5.29 m2.	S. VEGETAL = 1.48 m2.
S. TERRAPLEN = 0.03 m2.	



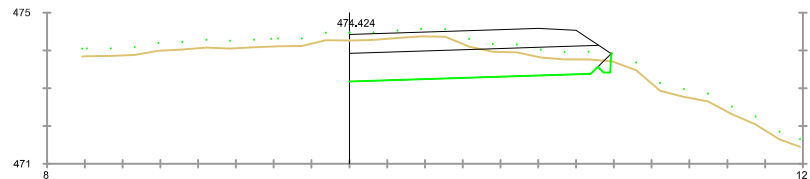
Pk=0+340

S. FIRME = 3.06 m2.
S. D TIERRA = 4.86 m2.
S. SUELO SEL 1 = 5.29 m2.
S. TERRAPLEN = 0.03 m2.
S. EXCAVA SANEIO = 0.06 m2.
S. TERRAP SANEIO = 0.06 m2.
S. VEGETAL = 1.49 m2.



Pk=0+360

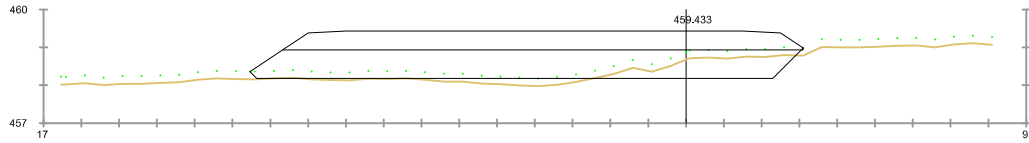
S. FIRME = 3.06 m2.
S. D TIERRA = 5.40 m2.
S. SUELO SEL 1 = 5.27 m2.
S. TERRAPLEN = 0.02 m2.
S. EXCAVA SANEIO = 1.01 m2.
S. TERRAP SANEIO = 1.01 m2.
S. VEGETAL = 1.47 m2.



Pk=0+371.258

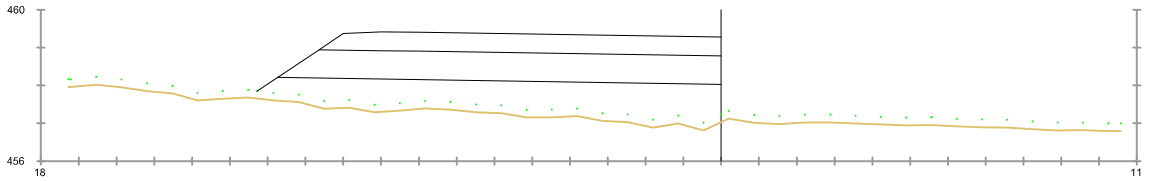
S. FIRME = 3.08 m2.
S. D TIERRA = 5.27 m2.
S. SUELO SEL 1 = 5.02 m2.
S. TERRAPLEN = 0.02 m2.
S. EXCAVA SANEIO = 0.08 m2.
S. TERRAP SANEIO = 0.08 m2.
S. VEGETAL = 1.38 m2.





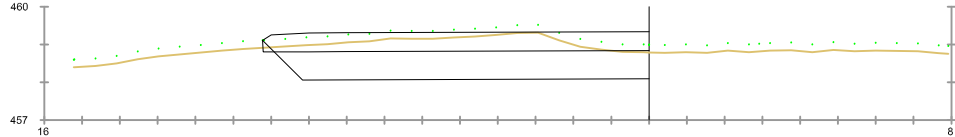
Pk=0+000

S. FIRME = 6.50 m2.
S. D TIERRA = 1.99 m2.
S. SUELO SEL 1 = 10.40 m2.
S. TERRAPLEN = 0.70 m2.
S. VEGETAL = 2.93 m2.



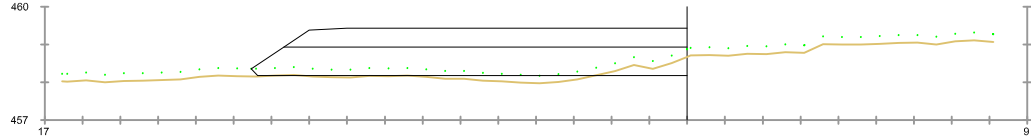
Pk=0+100

S. FIRME = 5.11 m2.
S. SUELO SEL 1 = 8.39 m2.
S. TERRAPLEN = 10.83 m2.
S. VEGETAL = 2.46 m2.



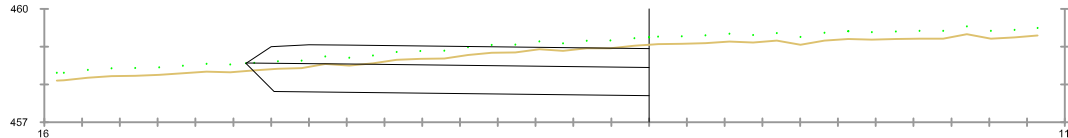
Pk=0+020

S. FIRME = 5.06 m2.
S. D TIERRA = 9.70 m2.
S. SUELO SEL 1 = 7.16 m2.
S. TERRAPLEN = 0.02 m2.
S. VEGETAL = 2.04 m2.



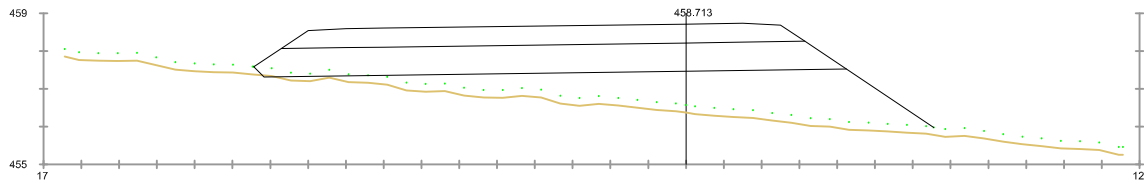
Pk=0+113.097

S. FIRME = 5.13 m2.
S. D TIERRA = 0.54 m2.
S. SUELO SEL 1 = 8.39 m2.
S. TERRAPLEN = 0.69 m2.
S. VEGETAL = 2.31 m2.



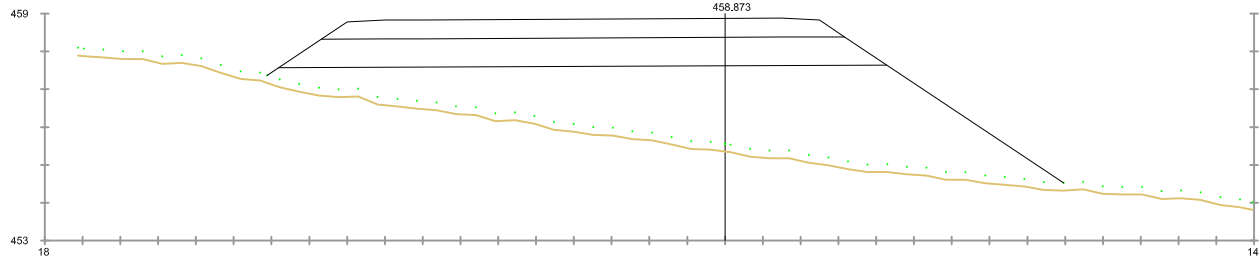
Pk=0+040

S. FIRME = 5.11 m2.
S. D TIERRA = 9.94 m2.
S. SUELO SEL 1 = 7.73 m2.
S. TERRAPLEN = 0.02 m2.
S. VEGETAL = 2.13 m2.



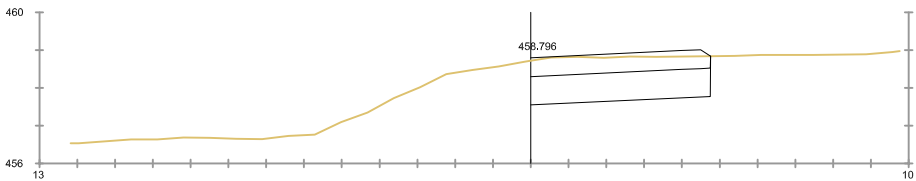
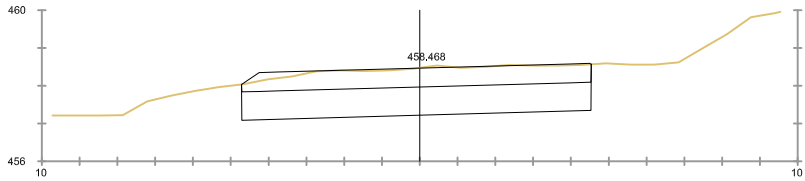
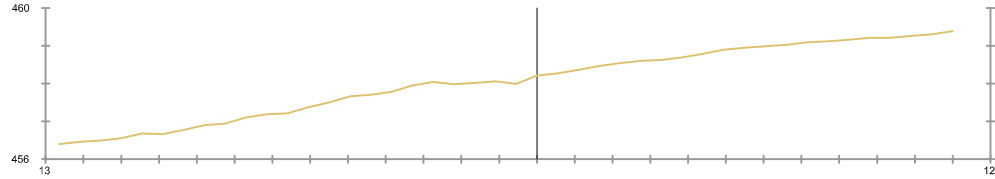
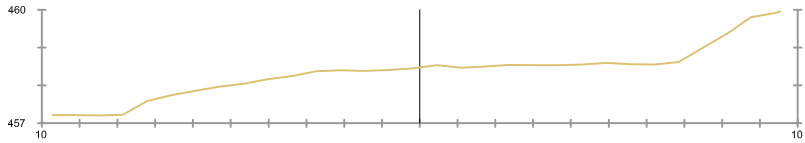
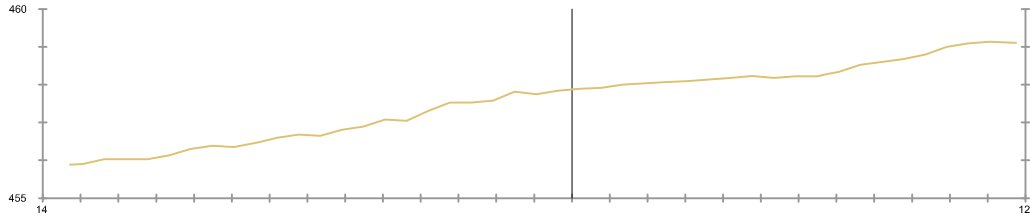
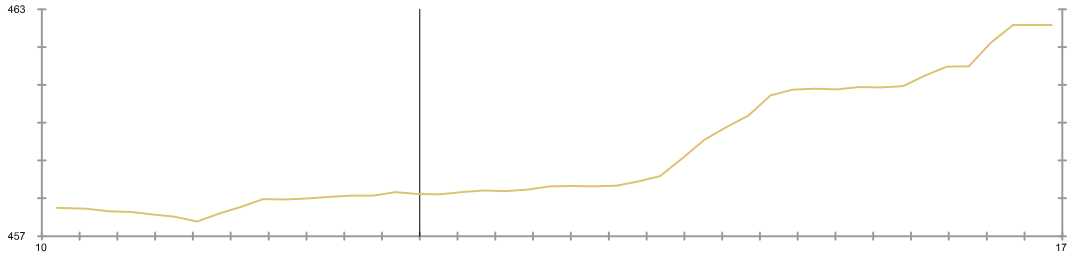
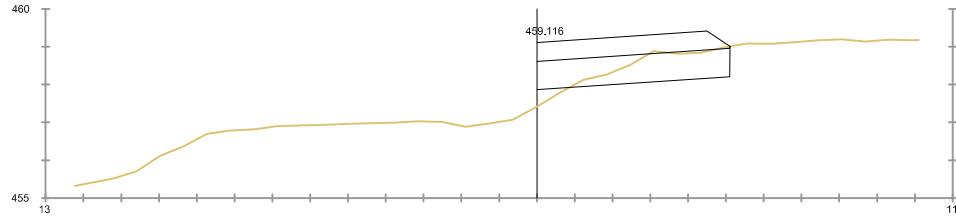
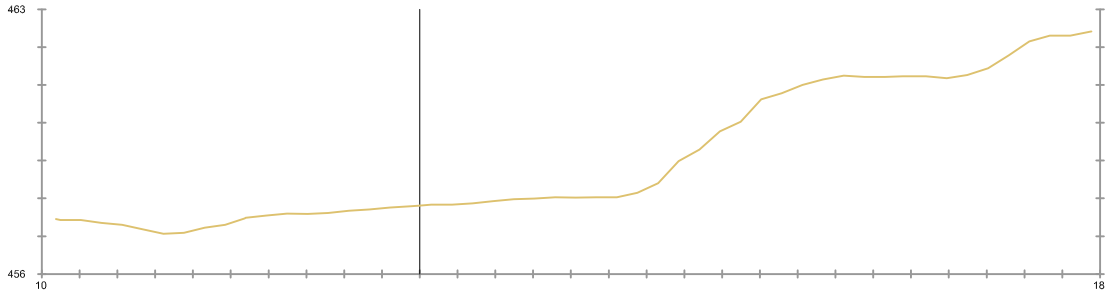
Pk=0+060

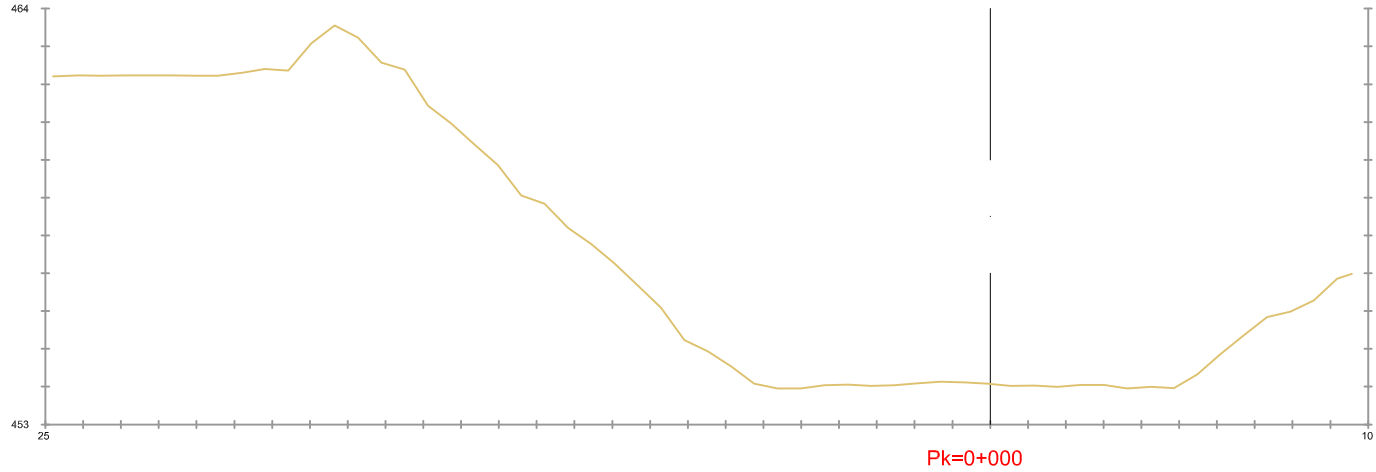
S. FIRME = 6.50 m2.
S. D TIERRA = 0.01 m2.
S. SUELO SEL 1 = 11.14 m2.
S. TERRAPLEN = 13.63 m2.
S. VEGETAL = 3.60 m2.



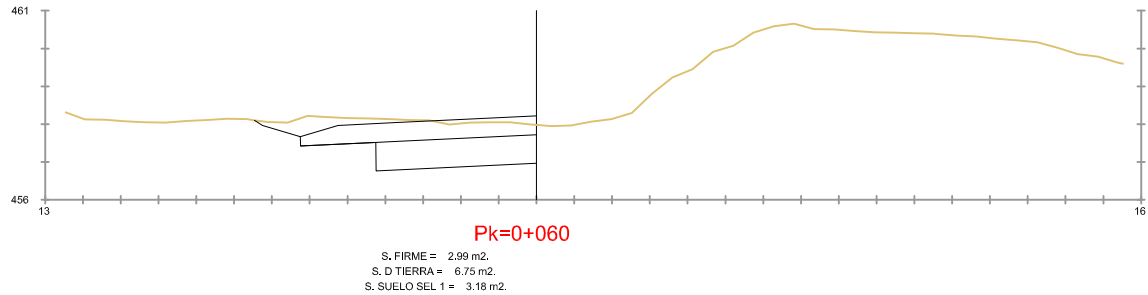
Pk=0+080

S. FIRME = 6.50 m2.
S. SUELO SEL 1 = 11.23 m2.
S. TERRAPLEN = 35.00 m2.
S. VEGETAL = 4.22 m2.

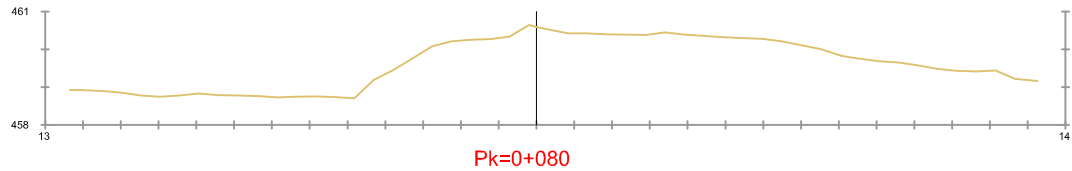




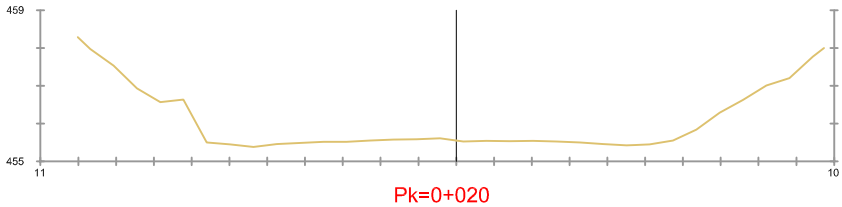
Pk=0+000



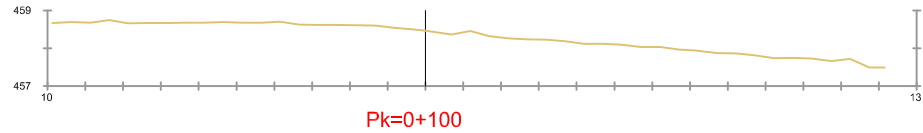
Pk=0+060



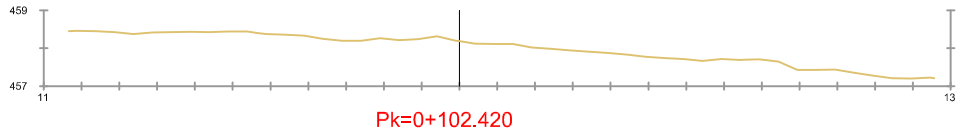
Pk=0+080



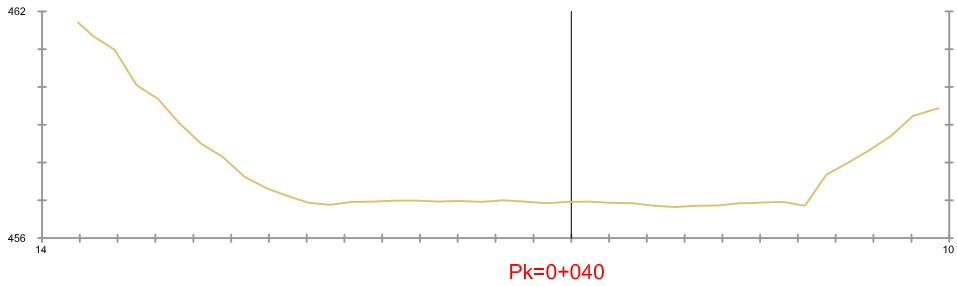
Pk=0+020



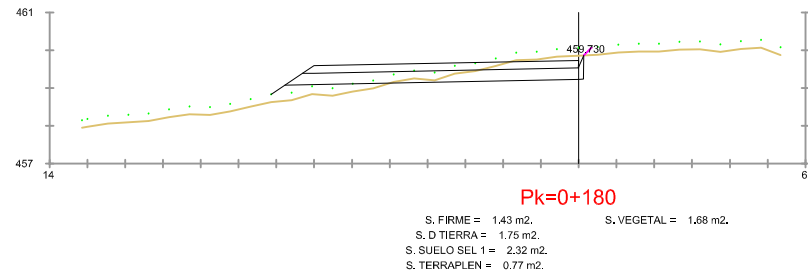
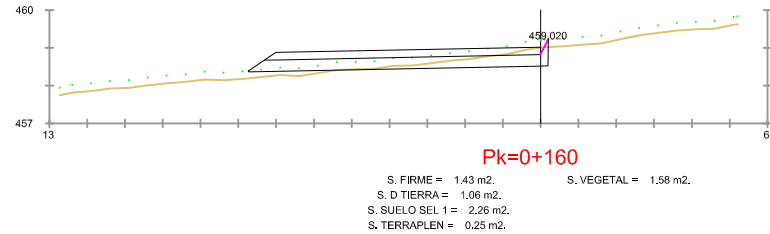
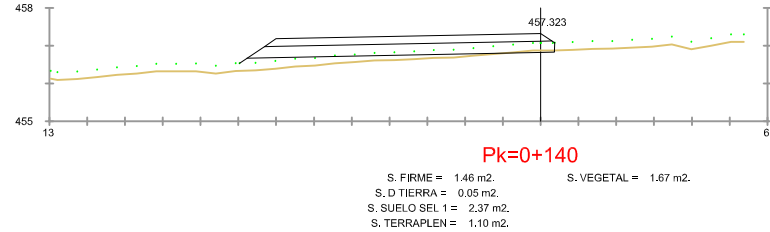
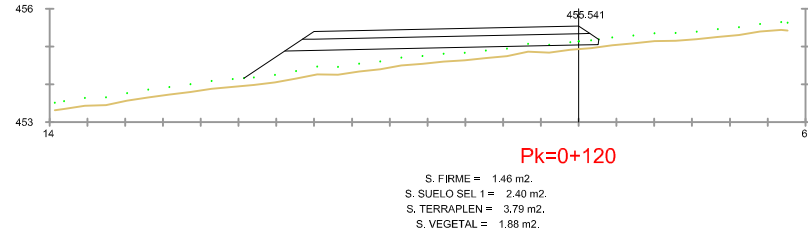
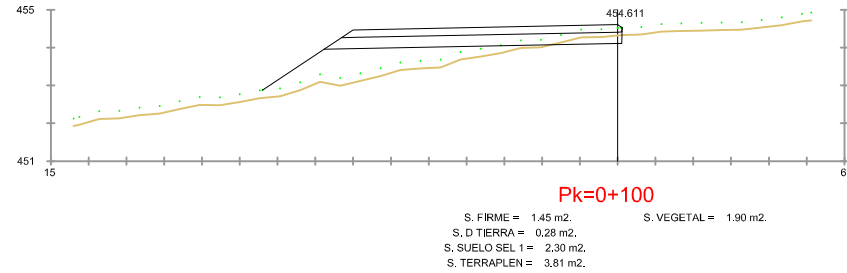
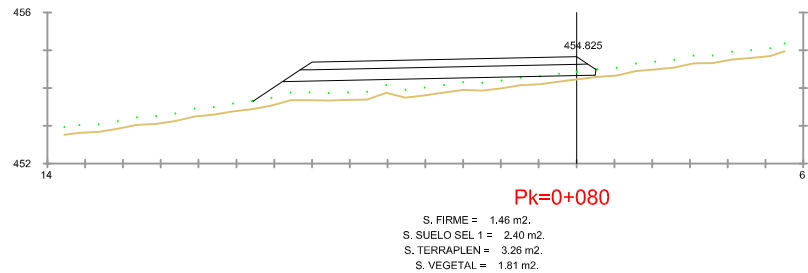
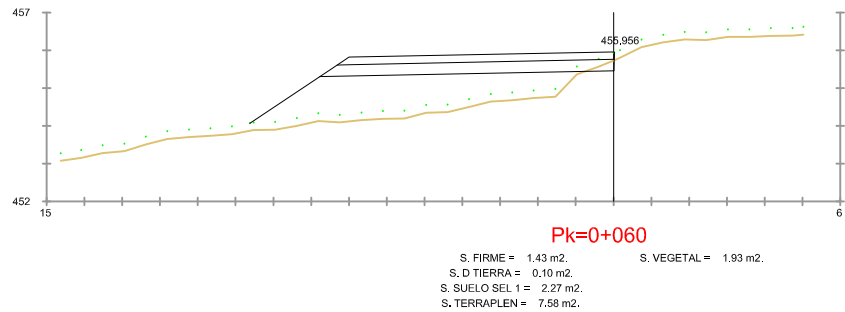
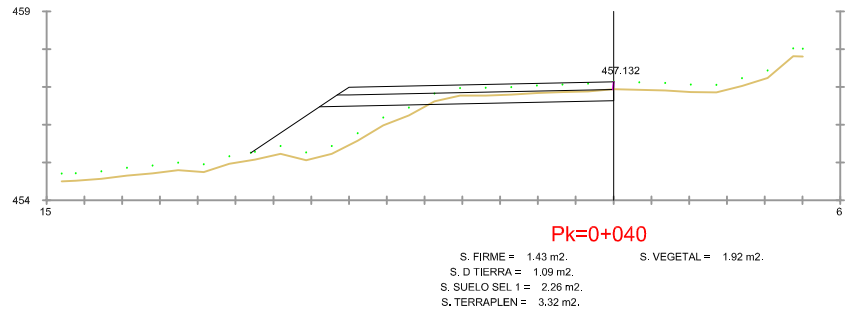
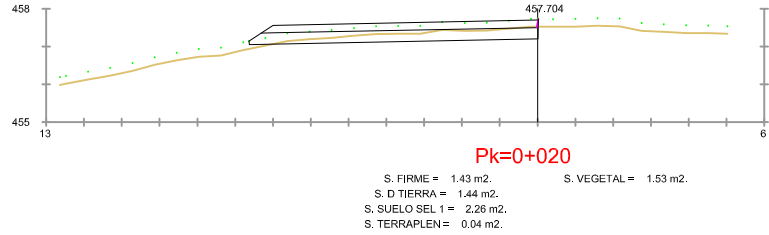
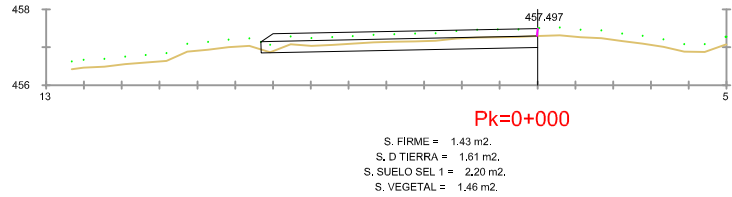
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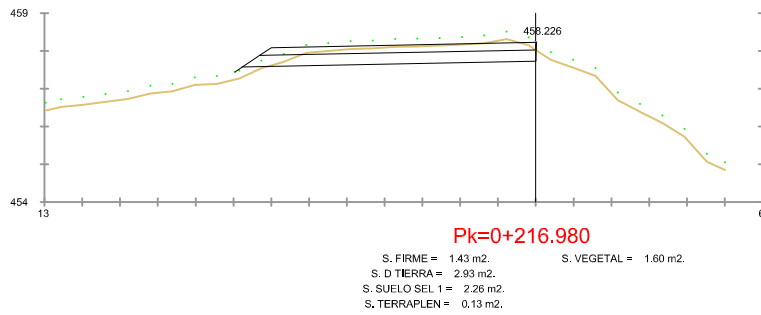


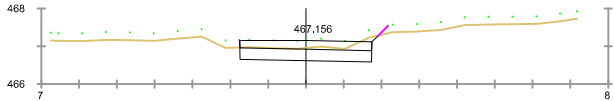
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Pk=0+040

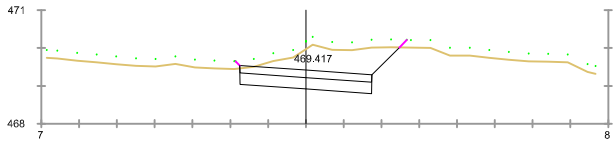






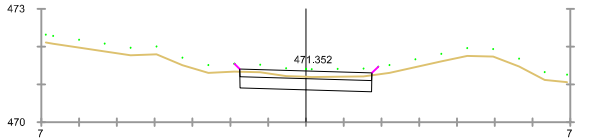
Pk=0+000

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S. D TIERRA = 1.29 m2.
S. SUELO SEL 1 = 1.05 m2.
S. VEGETAL = 0.76 m2.



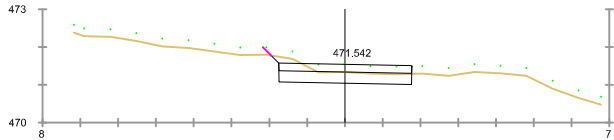
Pk=0+020

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S. D TIERRA = 3.42 m2.
S. SUELO SEL 1 = 1.05 m2.
S. VEGETAL = 0.87 m2.



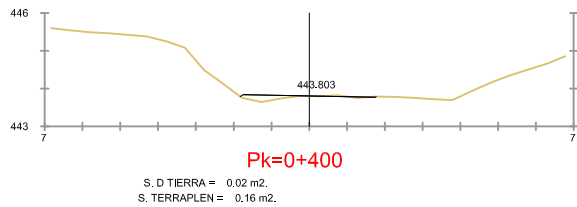
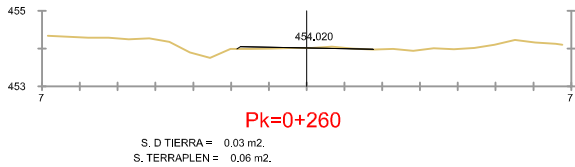
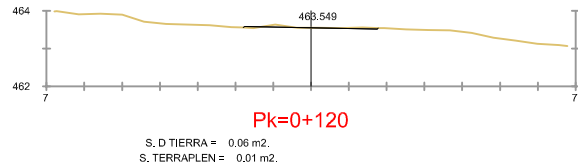
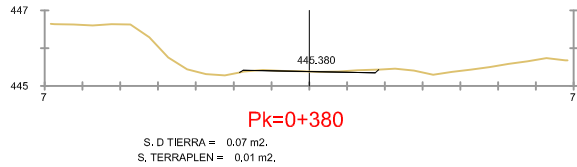
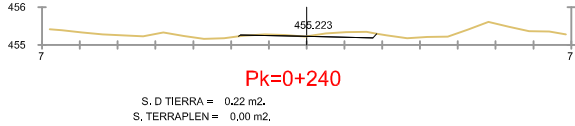
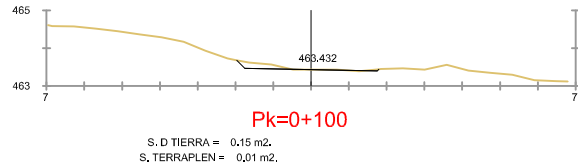
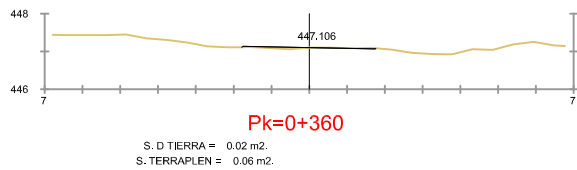
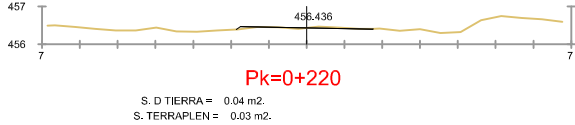
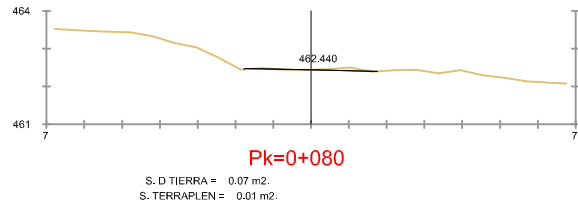
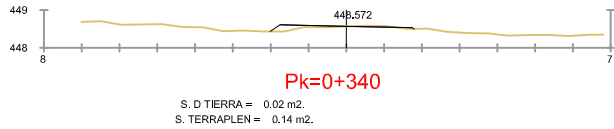
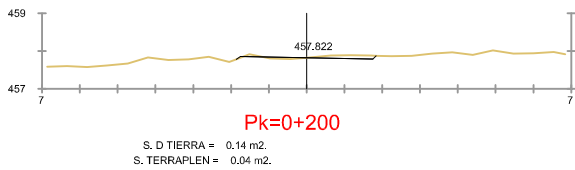
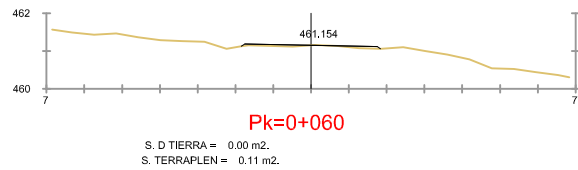
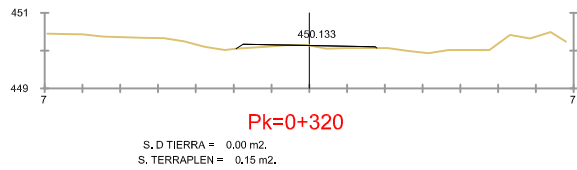
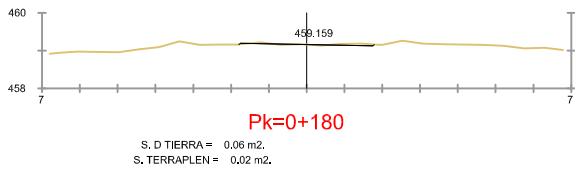
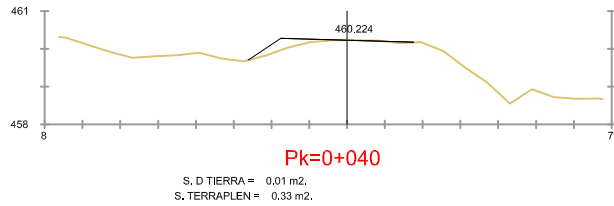
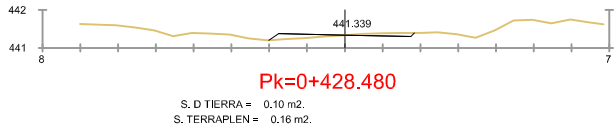
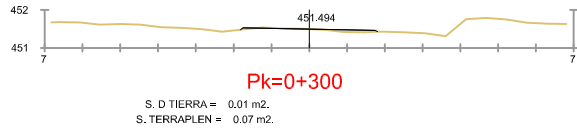
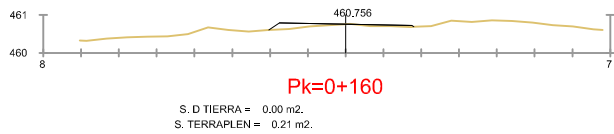
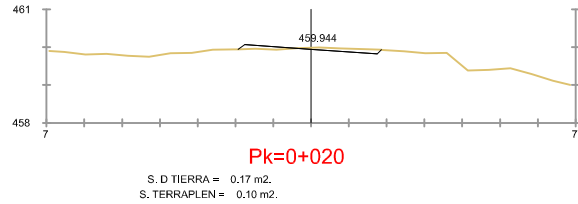
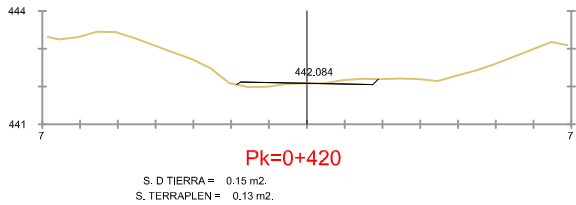
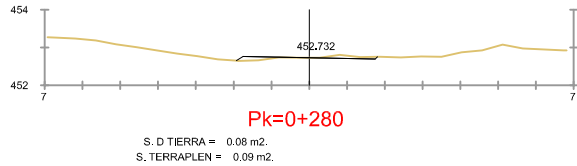
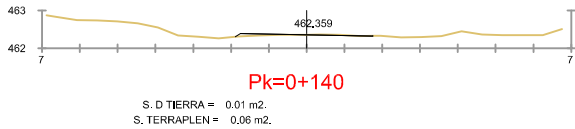
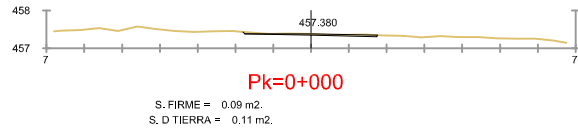
Pk=0+040

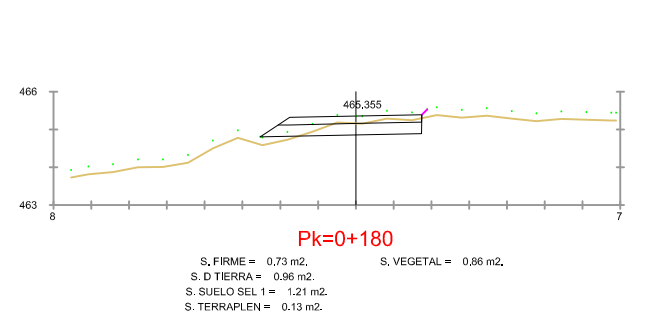
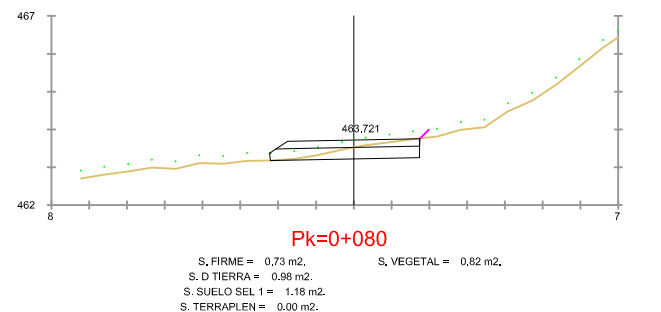
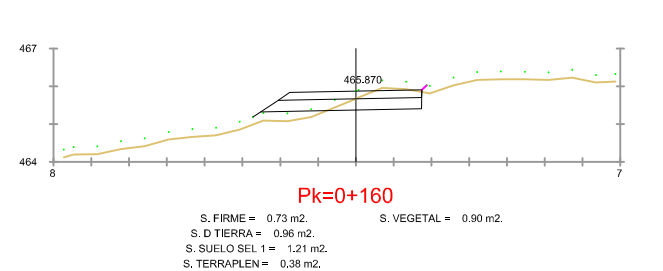
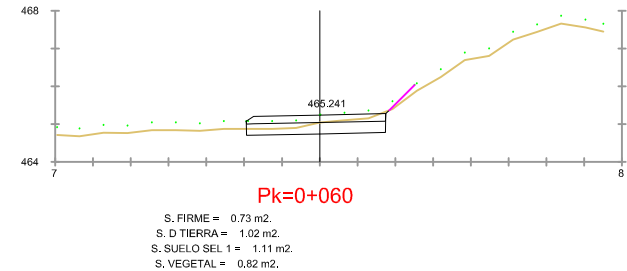
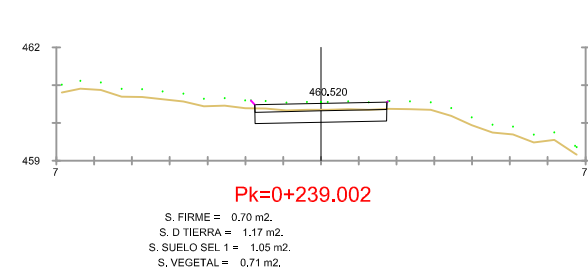
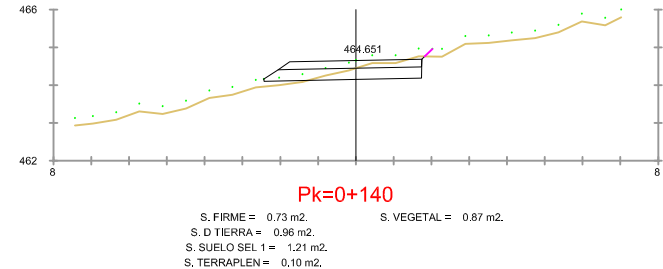
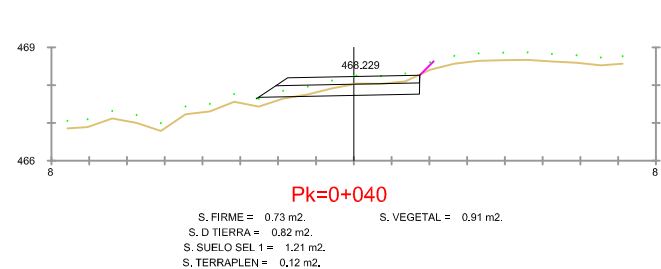
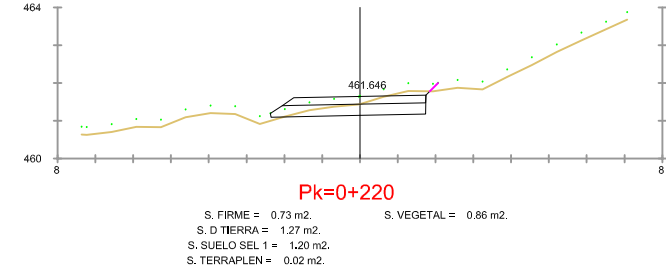
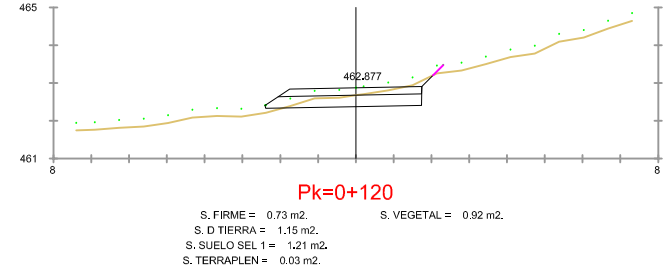
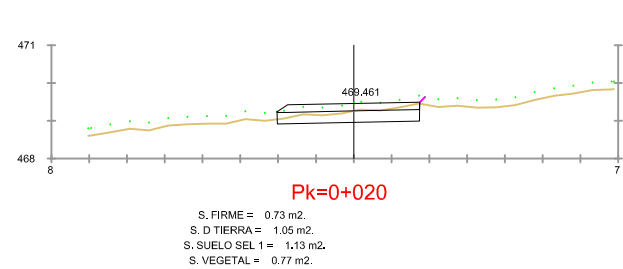
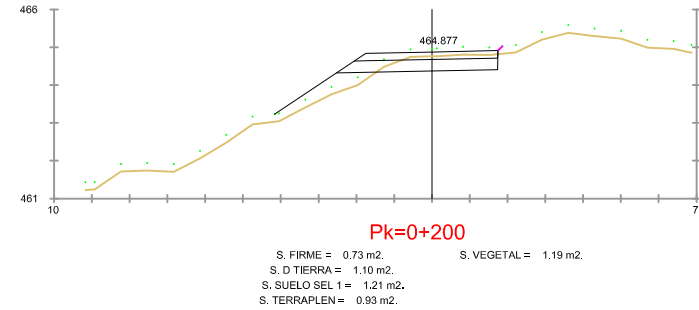
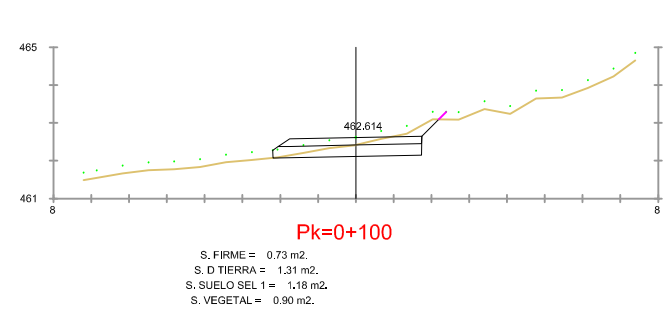
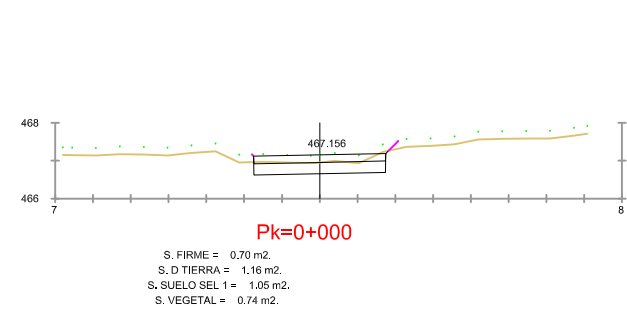
S. FIRME = 0.70 m2.
S. D TIERRA = 1.34 m2.
S. SUELO SEL 1 = 1.05 m2.
S. VEGETAL = 0.72 m2.



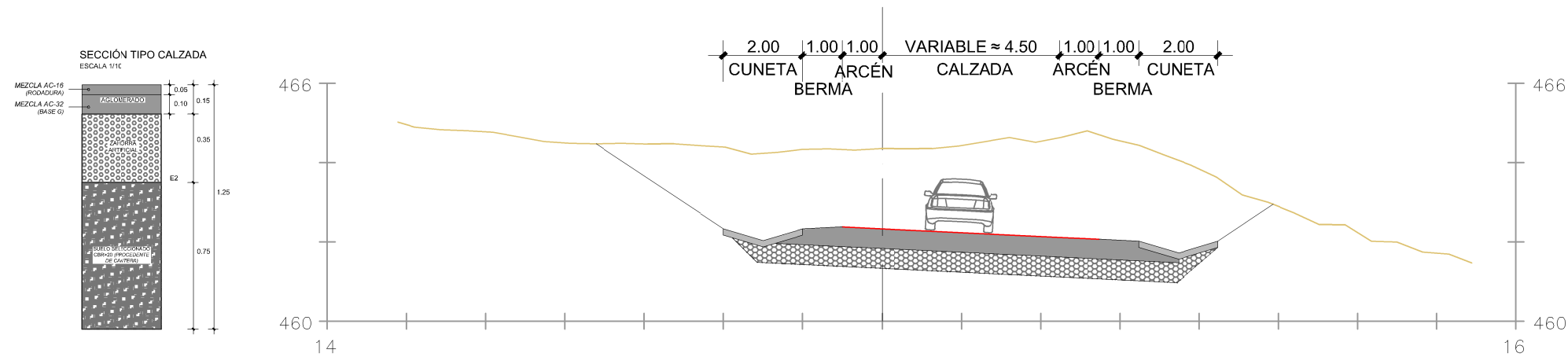
Pk=0+056.822

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S. D TIERRA = 1.24 m2.
S. SUELO SEL 1 = 1.05 m2.
S. VEGETAL = 0.77 m2.

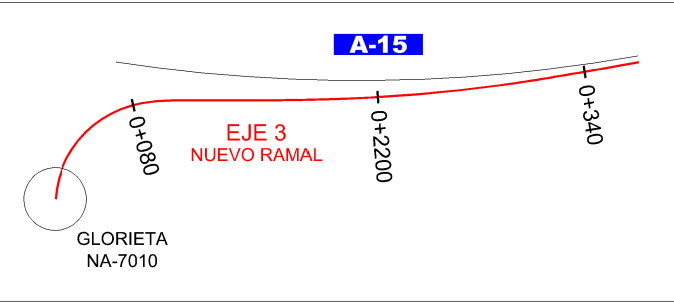
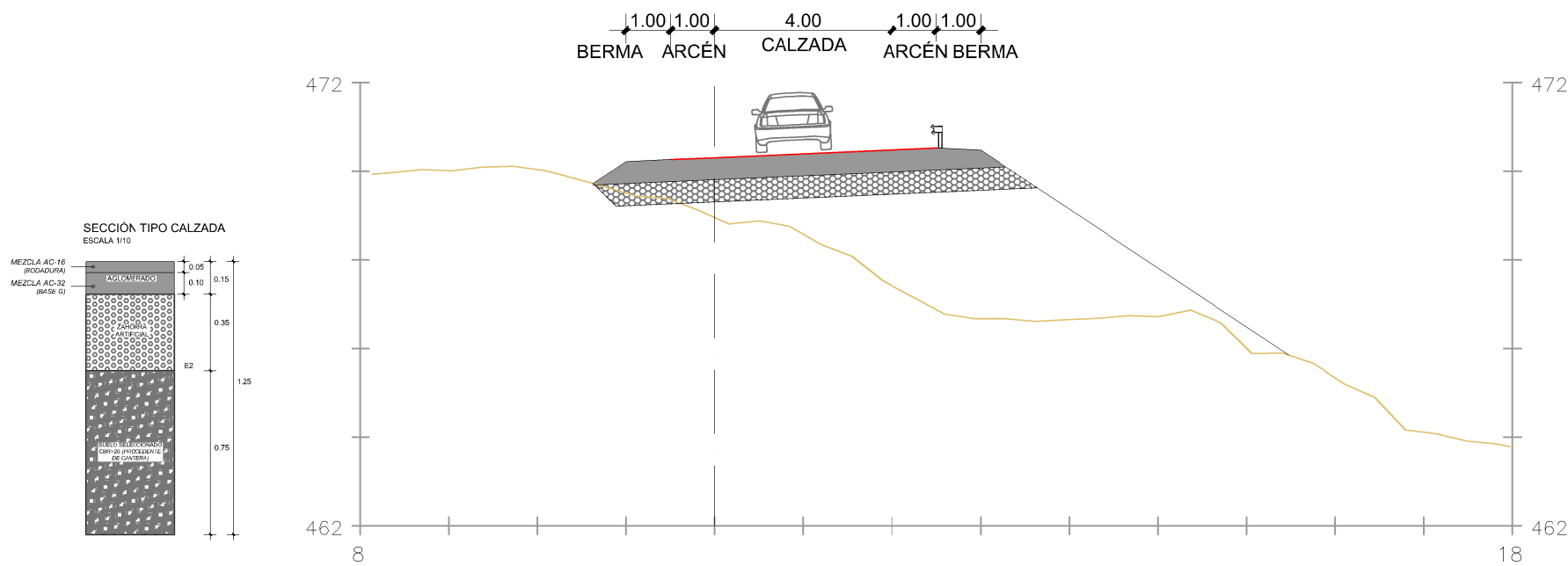


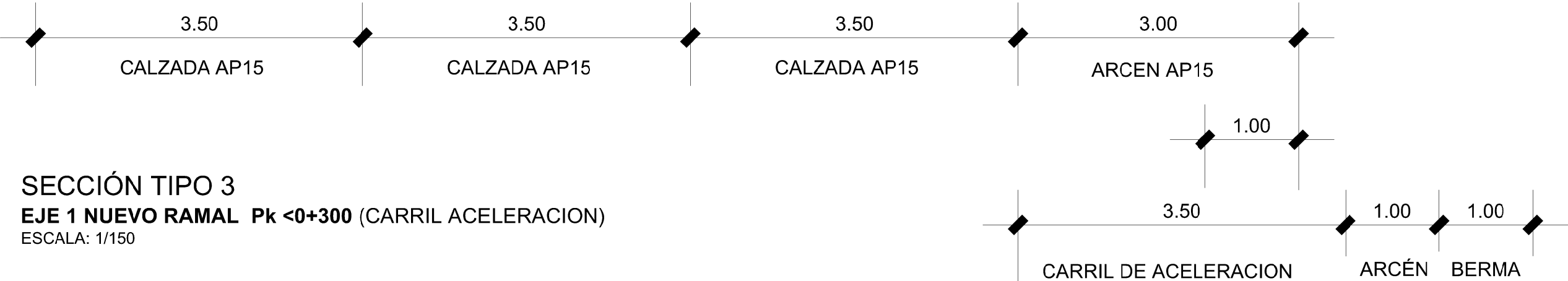


SECCIÓN TIPO 1
EJE 3 NUEVO RAMAL ≈ Pk 0+080 (ZONA DESMONTE)
ESCALA: 1/150

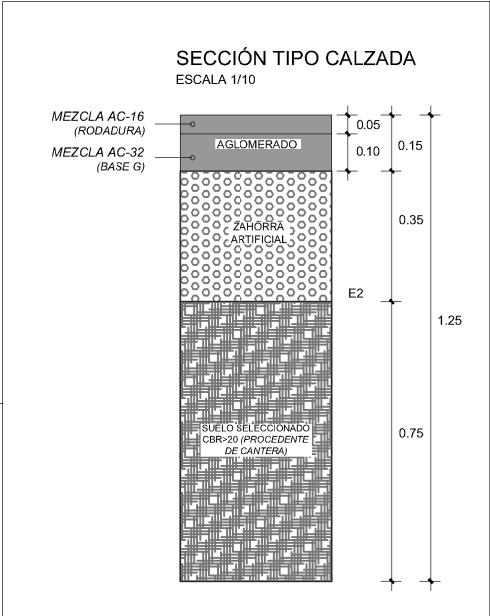


SECCIÓN TIPO 2
EJE 3 NUEVO RAMAL ≈ Pk 0+220 (ZONA TERRAPLÉN)
ESCALA: 1/150

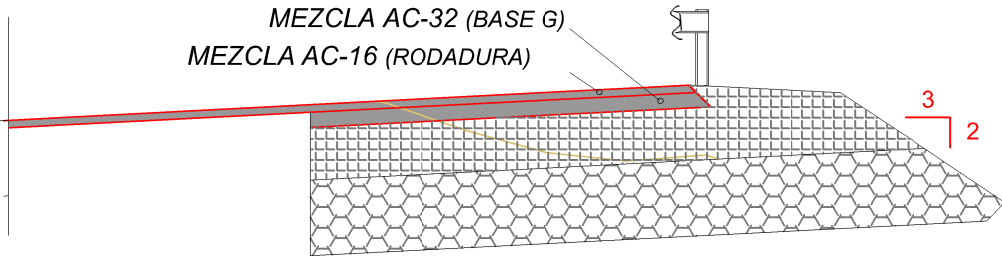




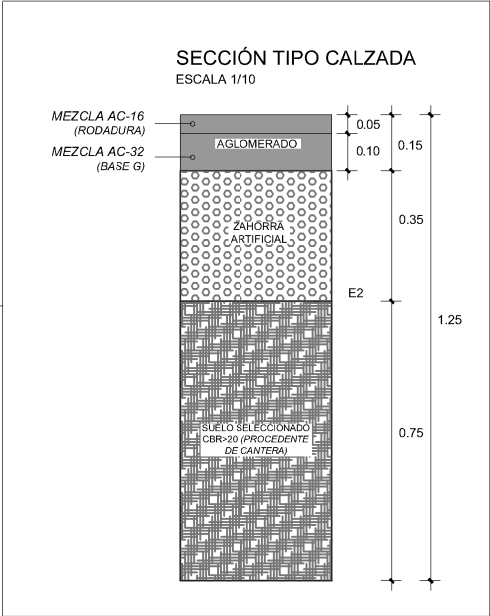
SECCIÓN TIPO 3
EJE 1 NUEVO RAMAL Pk <0+300 (CARRIL ACCELERACION)
ESCALA: 1/150



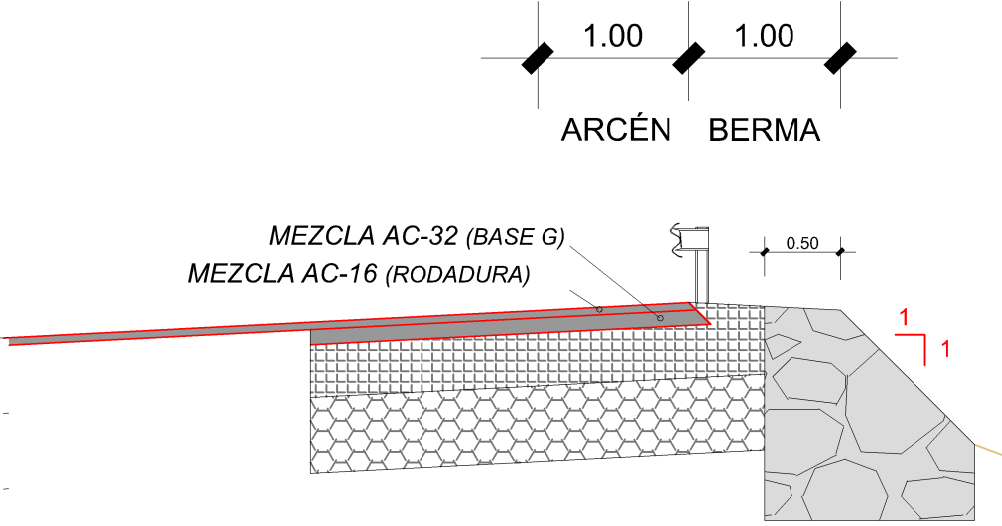
NOTA: LA RODADURA SE
EXTIENDE A LA
TOTALIDAD DE LA
ANCHURA DEL CARRIL DE
ACELERACION



SECCIÓN TIPO 4
EJE 1 NUEVO RAMAL Pk >0+300 (CARRIL ACCELERACION)
ESCALA: 1/150

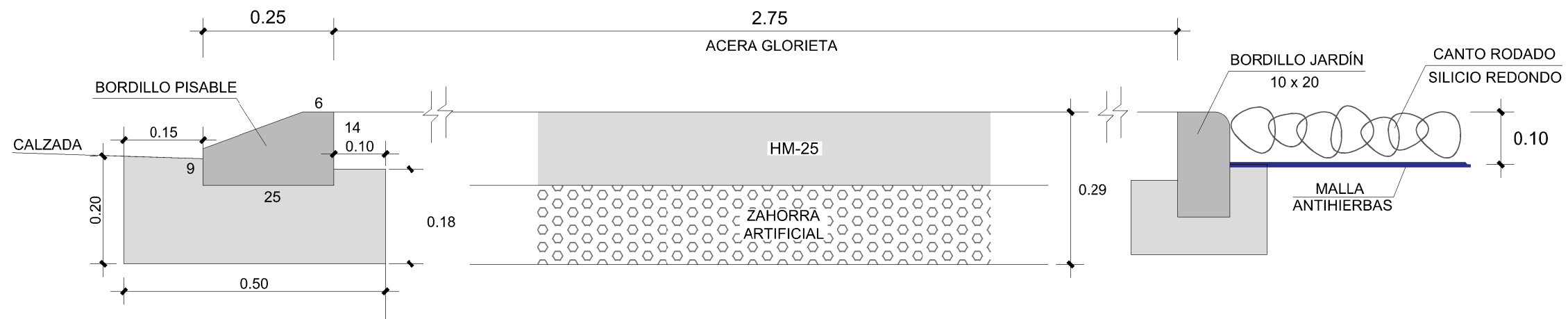


NOTA: LA RODADURA SE
EXTIENDE A LA
TOTALIDAD DE LA
ANCHURA DEL CARRIL DE
ACELERACION

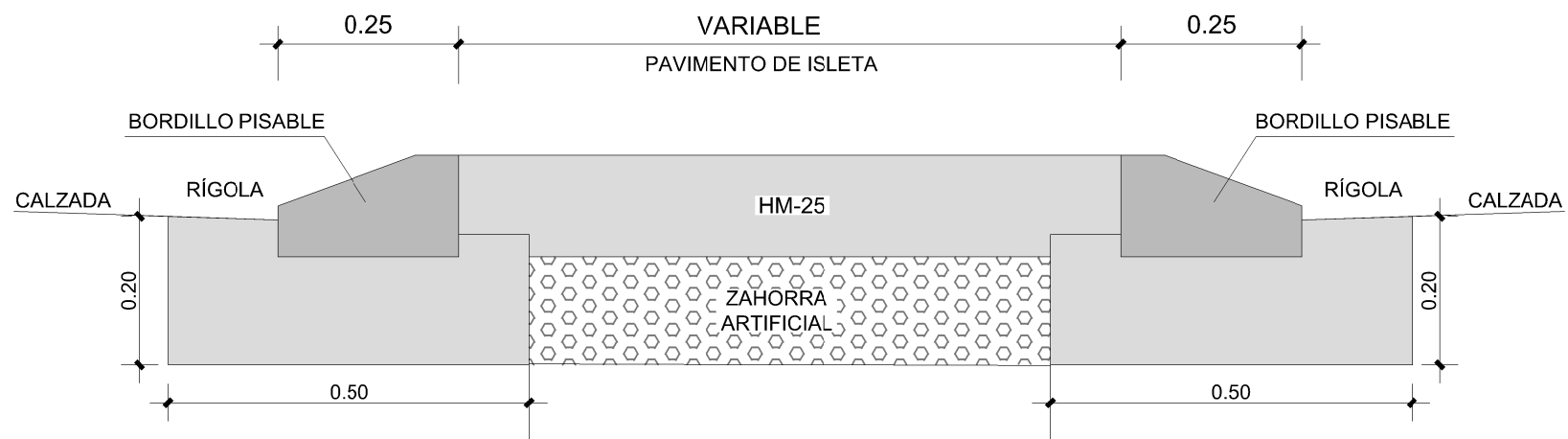


SECCIÓN TIPO. ACERA ISLETA CENTRAL

ESCALA 1/10



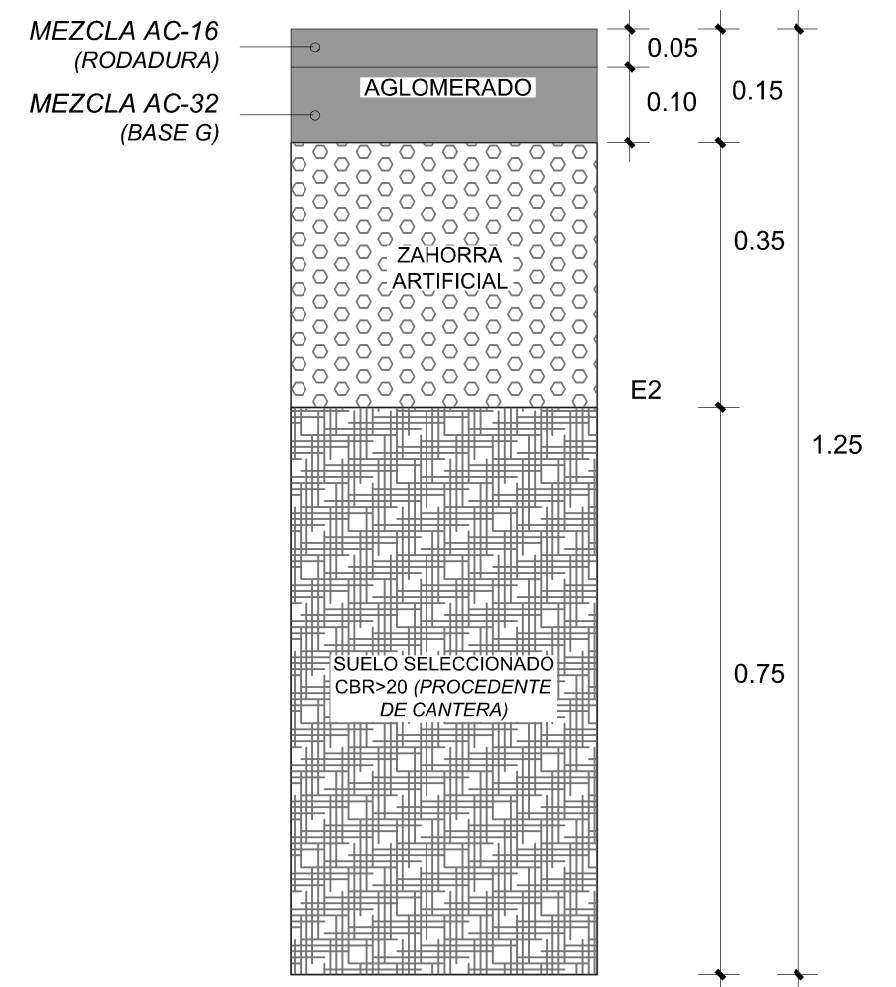
SECCIÓN TIPO. ISLETA TRIANGULAR
ESCALA 1/10



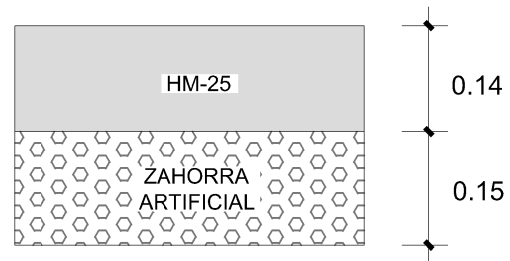
SECCIÓN TIPO CALZADA

GLORIETA

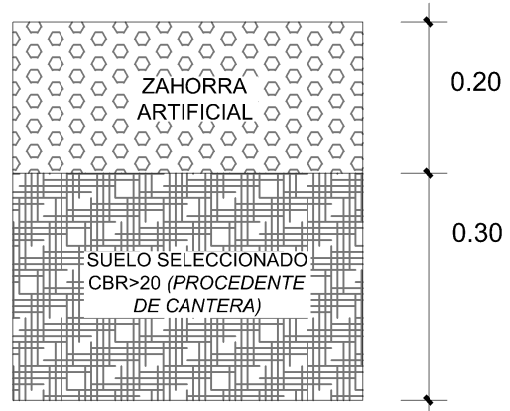
ESCALA 1/10



SECCIÓN TIPO.
PAVIMENTO DE HORMIGÓN
ESCALA 1/10



SECCIÓN TIPO
CAMINOS
ESCALA 1/10





PLANTA

ESCALA 1/1000

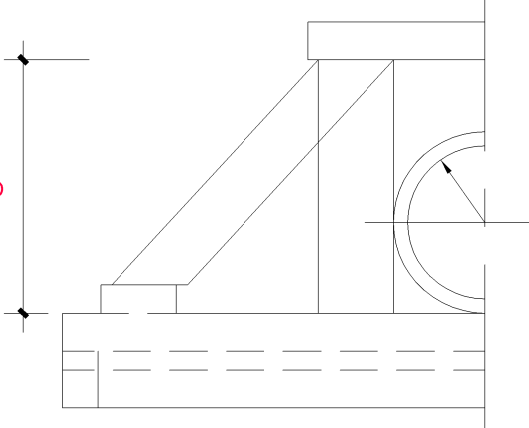
CUNETA DE HORMIGÓN

CUNETA DE TIERRAS

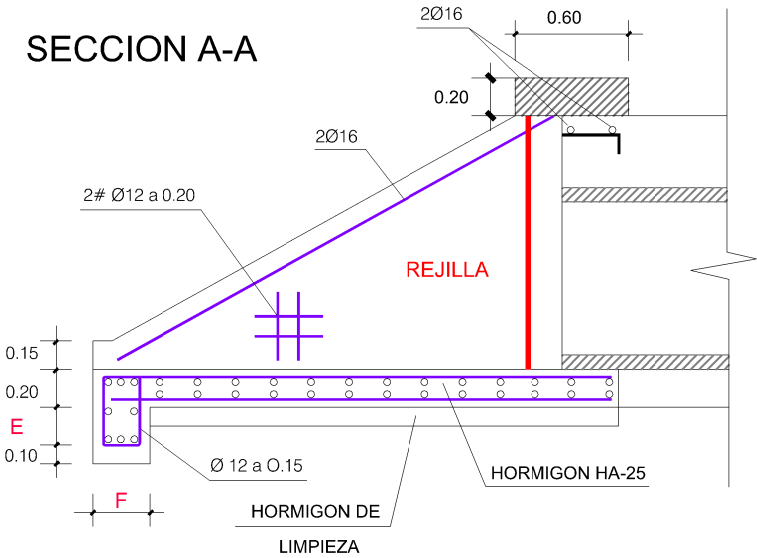
PENDIENTE TRANSVERSAL

ALETAS DE DESEMBOCADURA
ESCALA 1/50

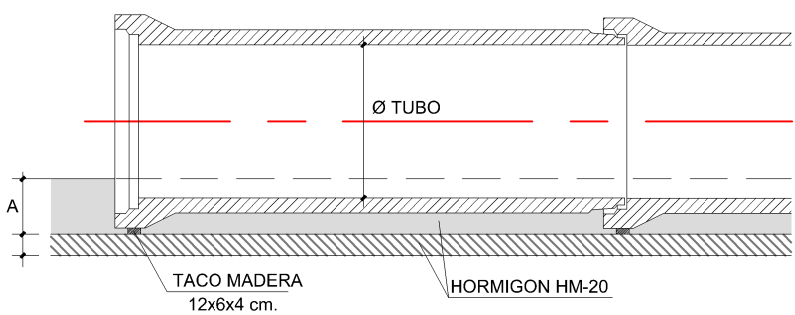
ALZADO



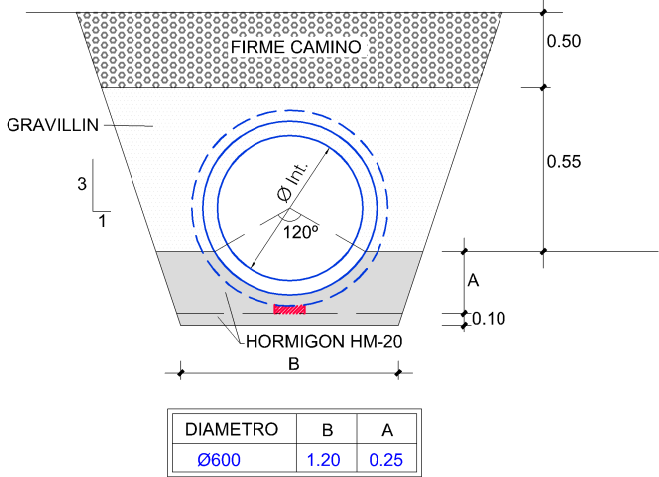
SECCION A-A



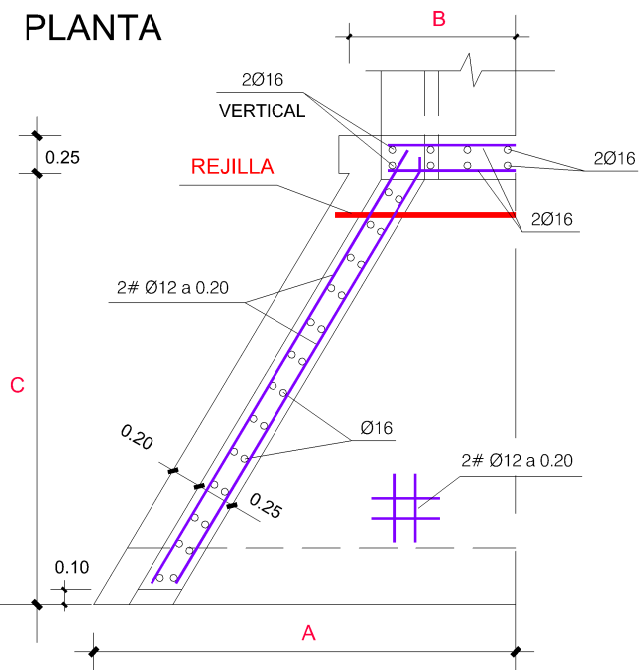
PERFIL TUBERIA DE HORMIGON
ESCALA 1/50



SECCIÓN TIPO
TUBERIA DE HORMIGÓN
ESCALA 1/50



PLANTA

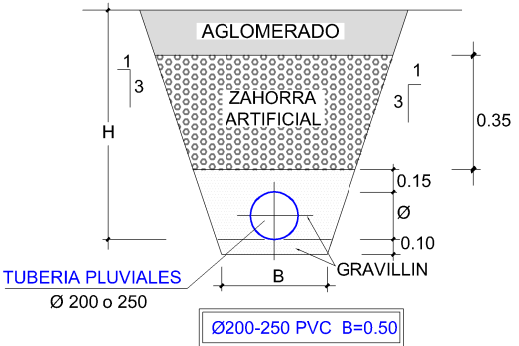


HORMIGON SOLERAS Y ALZADOS
HA-25 / B / 40 / 11 a O 11 b

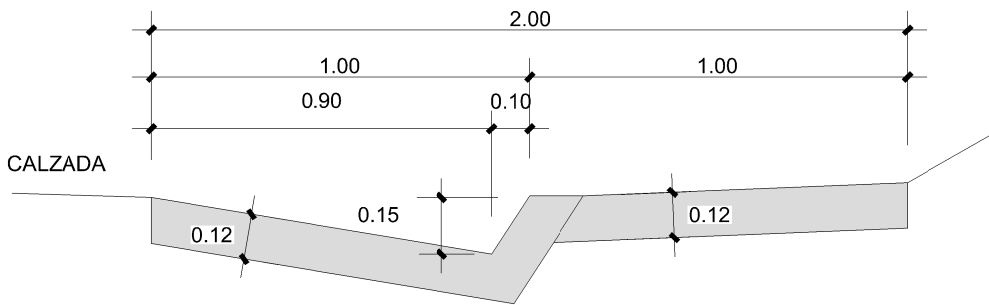
DIAMETRO CAÑO	A	B	C	D
CAÑO 40-60 cm	1.45	0.70	1.50	1.00
CAÑO 80-100 cm	2.80	1.30	3.00	2.10

CUADRO DE CARACTERISTICAS MATERIALES EMPLEADOS (SEGUN EHE)	
HORMIGONES	Capa de Regularizacion HM-10 (Hormigon Limpieza)
	Muros en masa HM-20/B/20/Ila
	Cimientos, Alzados y Losas (H. Armado) HA-25/B/20/Ila
ACEROS	Corrugado de alta adherencia B500S fy=510 N/mm ²
COEFICIENTES DE SEGURIDAD	
Control normal. γc=1.5 s=1.15 f=1.6 γ	

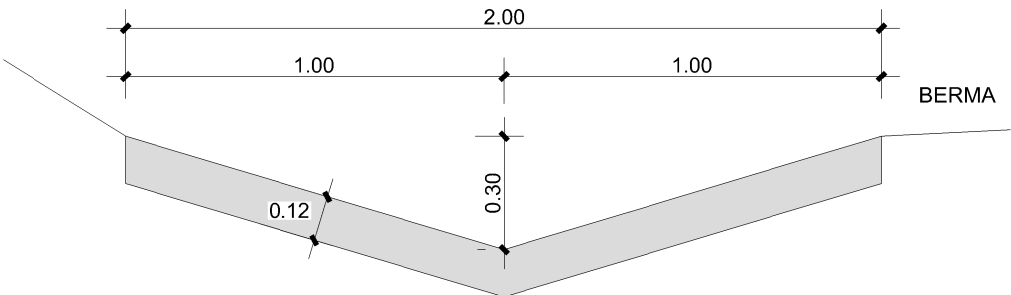
ZANJA PLUVIALES
ESCALA 1/50



CUNETA DE HORMIGÓN
NA-7010
ESCALA 1/20

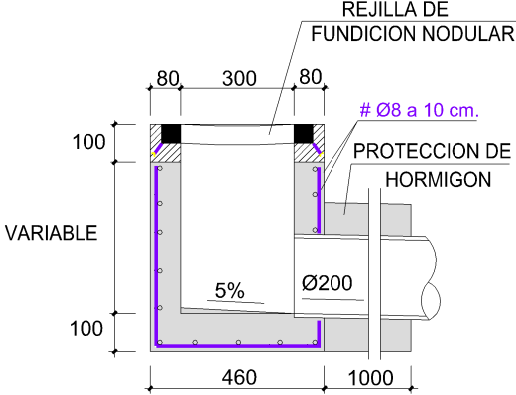


CUNETA DE HORMIGÓN
NUEVO RAMAL A-15
ESCALA 1/20

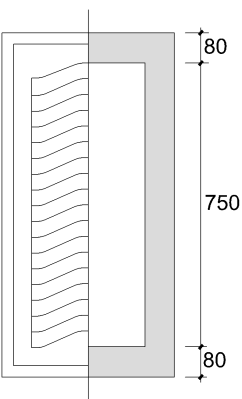


SUMIDERO PREFABRICADO
ESCALA 1/20

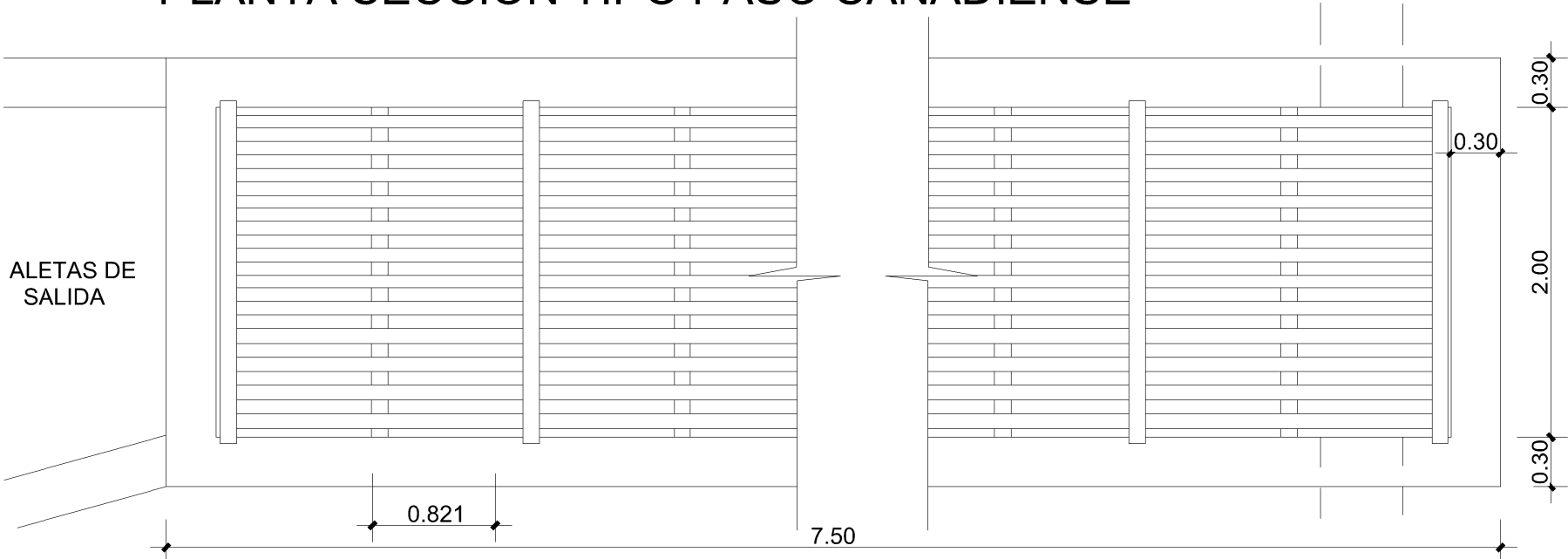
SECCION



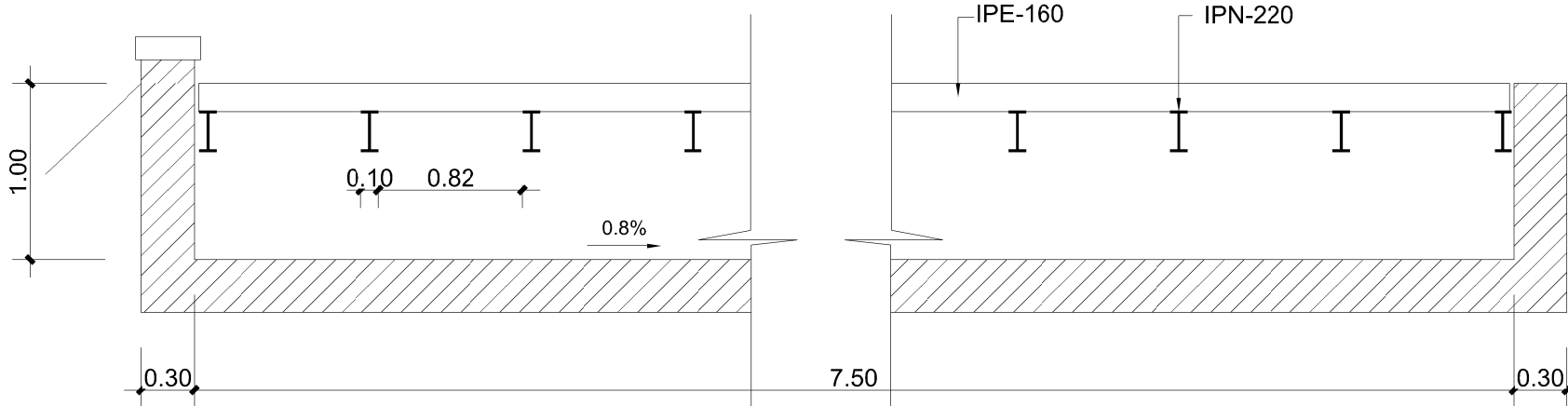
PLANTA



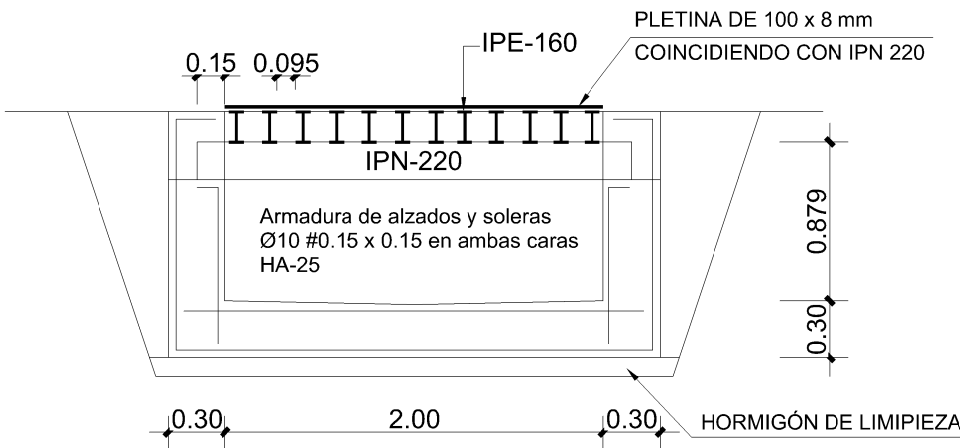
PLANTA SECCIÓN TIPO PASO CANADIENSE



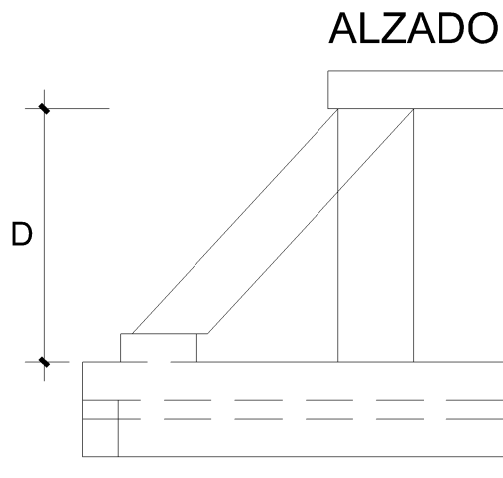
ALZADO



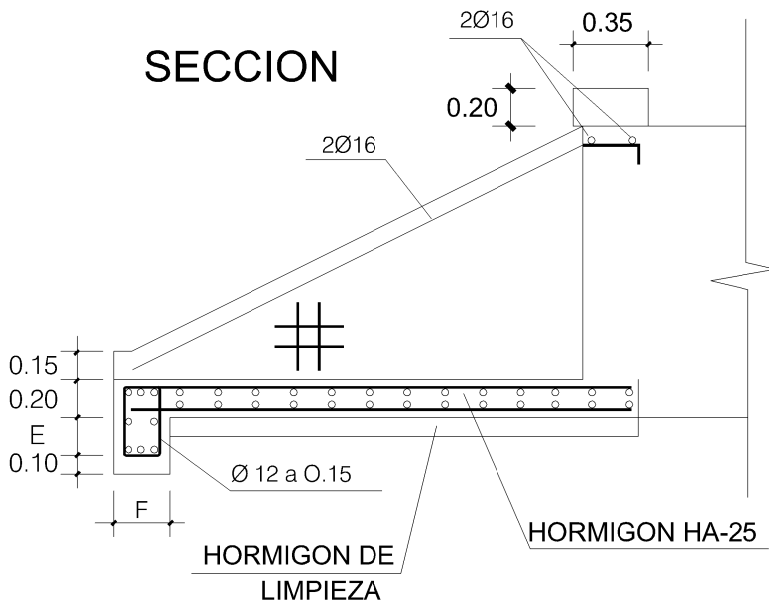
SECCIÓN



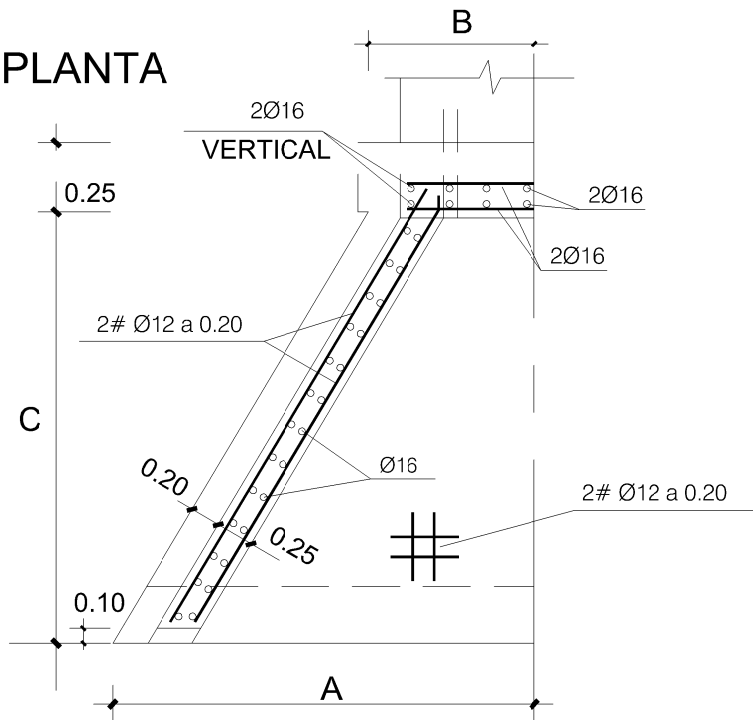
ALETAS DE DESEMBOCADURA



SECCION



PLANTA



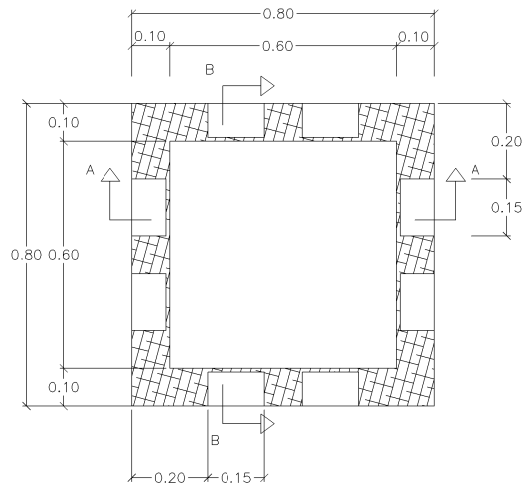
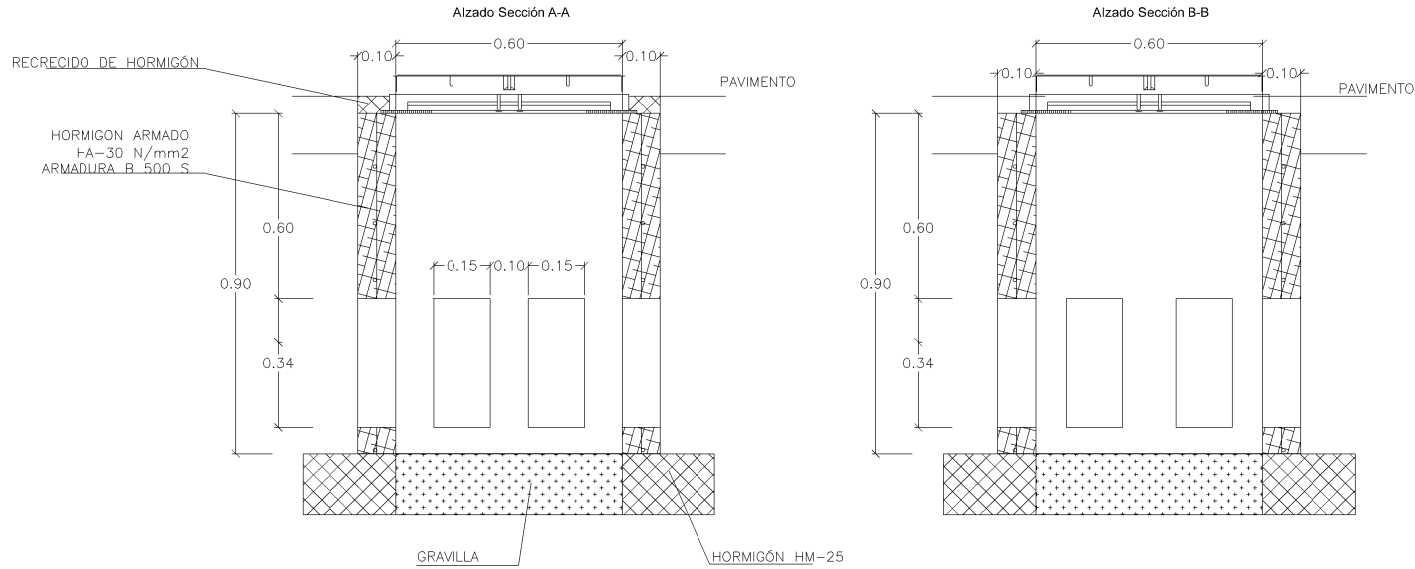
CUADRO DE CARACTERISTICAS (SEGUN EHE)		
MATERIALES EMPLEADOS		
HORMIGONES	Capa de Regularizacion	HM-10 (Hormigon Limpieza)
	Muros en masa	HM-20/B/20/Ila
	Cimientos, Alzados y Losas (H. Armado)	HA-25/B/20/Ila
ACEROS	Corrugado de alta adherencia	B500S $f_y=510 \text{ N/mm}^2$
COEFICIENTES DE SEGURIDAD		
Control normal. $\gamma_c=1.5$ $\gamma_s=1.15$ $\gamma_f=1.6$		



PLANTA

ESCALA 1/2.000

ARQUETA DE REGISTRO DE CANALIZACION DE TELECOMUNICACIONES 60x60x90
cm. SIN FONDO DE HUECO HORMIGÓN ARMADO PREFABRICADO
MODELO 1PP DE ONO
E: A1 1:10 A3 1:20

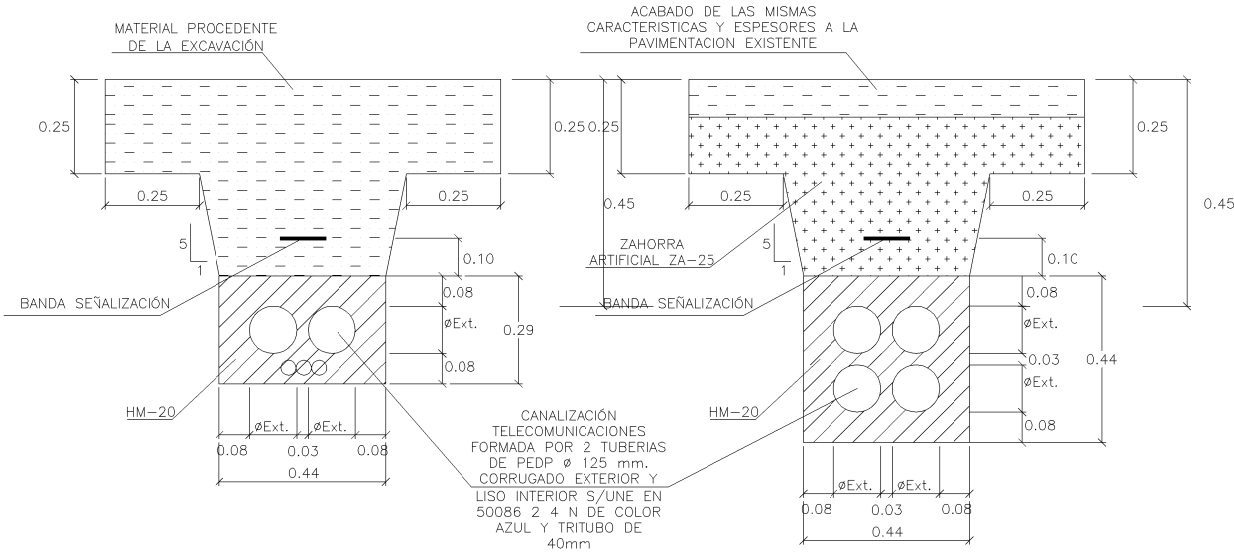


SIMBOLOGÍA	
	HORMIGÓN HA-35 EN ARQUETAS DE REGISTRO PREFABRICADAS
	HORMIGÓN HM-20/P/19/IIa EN DADO DE PROTECCIÓN DE CANALIZACIONES
	HORMIGÓN HA/HM-25/P/19/IIa EN PEDESTAL O SUJECCIÓN DE MARCO DE TAPAS RESPECTIVAMENTE
	MATERIAL GRANULAR CALIZO DE CANTERA DE TAMAÑO 6-12 mm. EN ASIENTO Y RELLENO DE TRASDOS DE ARQUETAS DE REGISTRO
	ZAHORRA ARTIFICIAL DE CANTERA (HUSO ZA-25) EN RELLENO DE ZANJAS

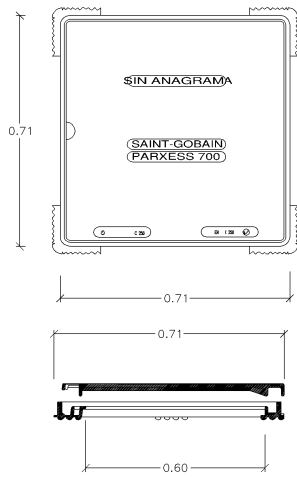
SECCIÓN TIPO ZANJA DE SERVICIO DE
TELECOMUNICACIONES EN BERMA DE TIERRAS

TRAMO POR TIERRAS

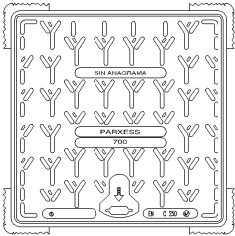
TRAMO EN CRUCE DE CALZADA



Tapa de registro Parxess 700
Fundición dúctil 25 Tm



Tapa de registro Parxess 700
Fundición dúctil 25 Tm



IRURTZUN
←

PAMPLONA
→

A-15

EJE 1
A-15

EJE 3
NUEVO
RAMAL A-15

EJE 8
CAMINO 2

EJE 4
NUEVA
GLORIETA

EJE 10
CAMINO 4

EJE 2
NA-7010

NA-7010

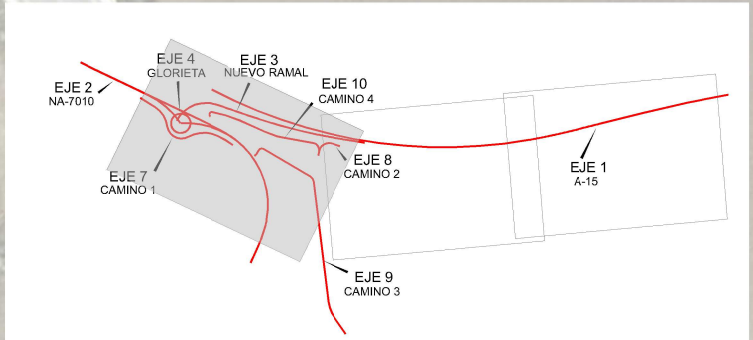
EJE 9
CAMINO 3

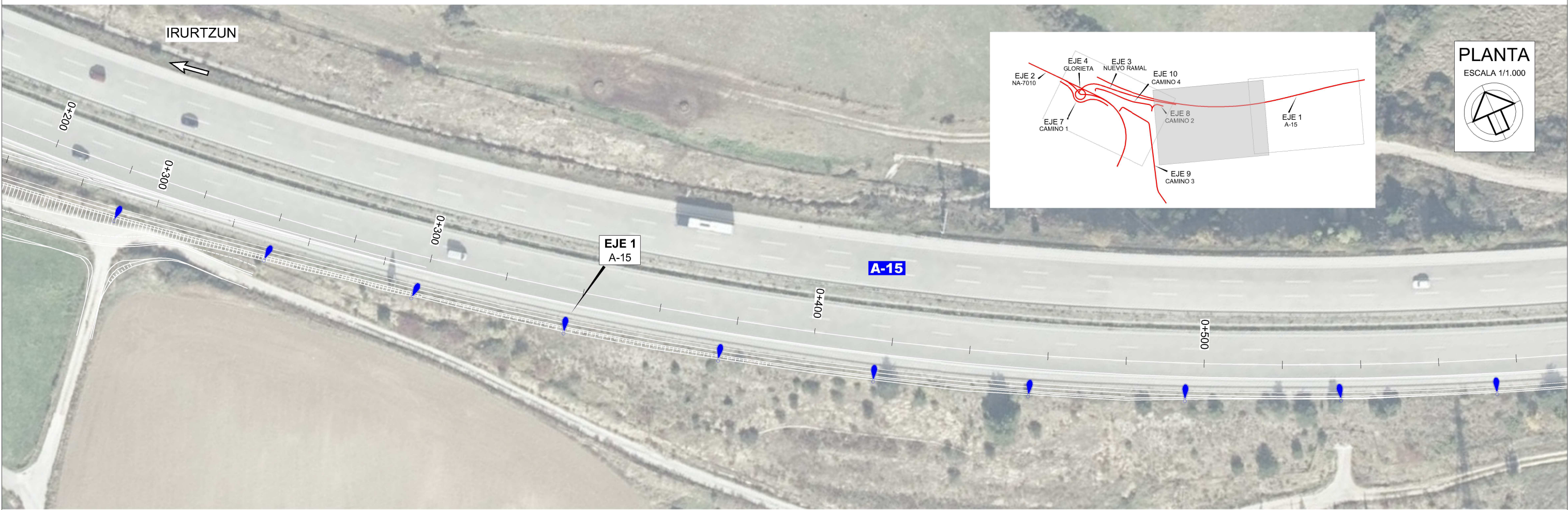
NA-7010

EJE 7
CAMINO 1

LEYENDA

-  SCHREDER AMPERA EVO 1 40L 700mA WW730 88W O SIMILAR EN COLUMNA DE 10M
-  SCHREDER AMPERA EVO 3 70L 500mA WW730 108W O SIMILAR EN COLUMNA DE 10M



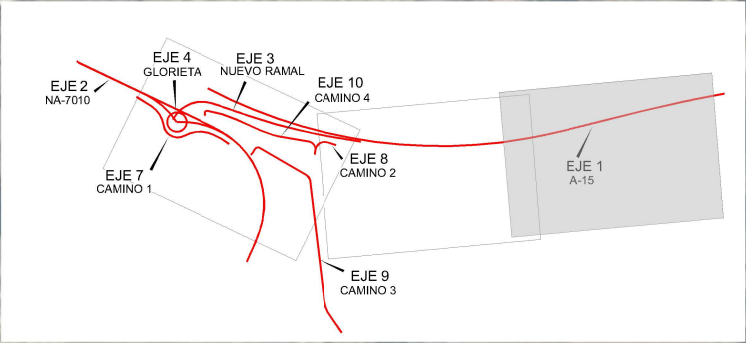


PLANTA
ESCALA 1/1.000



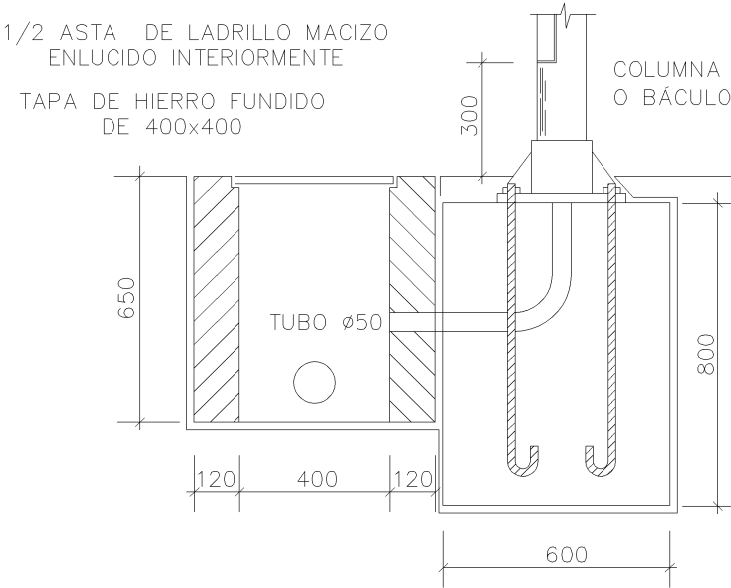
LEYENDA

- SCHREDER AMPERA EVO 1 40L 700mA WW730 88W O SIMILAR EN COLUMNA DE 10M
- SCHREDER AMPERA EVO 3 70L 500mA WW730 106W O SIMILAR EN COLUMNA DE 10M



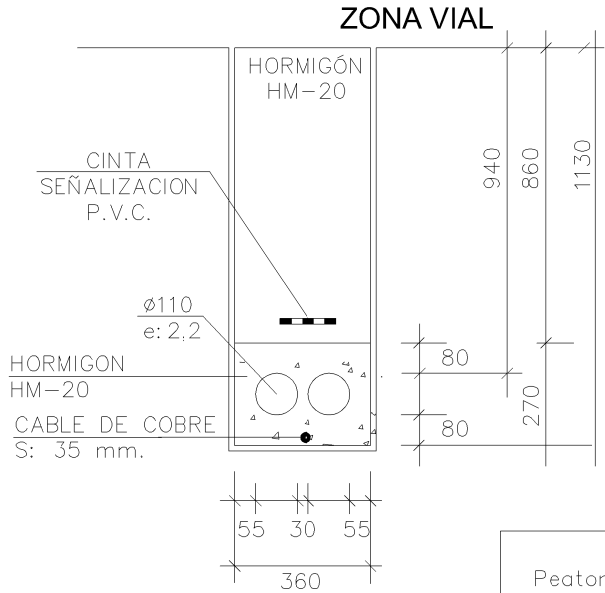
CIMENTACIÓN 600x600x800 PARA COLUMNA O BÁCULO
HASTA 6 m. DE ALTURA Y ARQUETA DE REGISTRO.

ESCALA 1/20



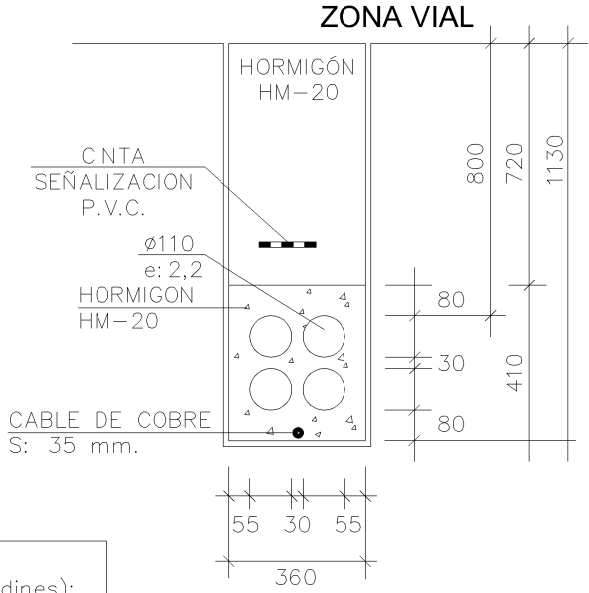
CANALIZACION
(2 TUBOS Ø110)

ESCALA 1/20



CANALIZACION
(4 TUBOS Ø110)

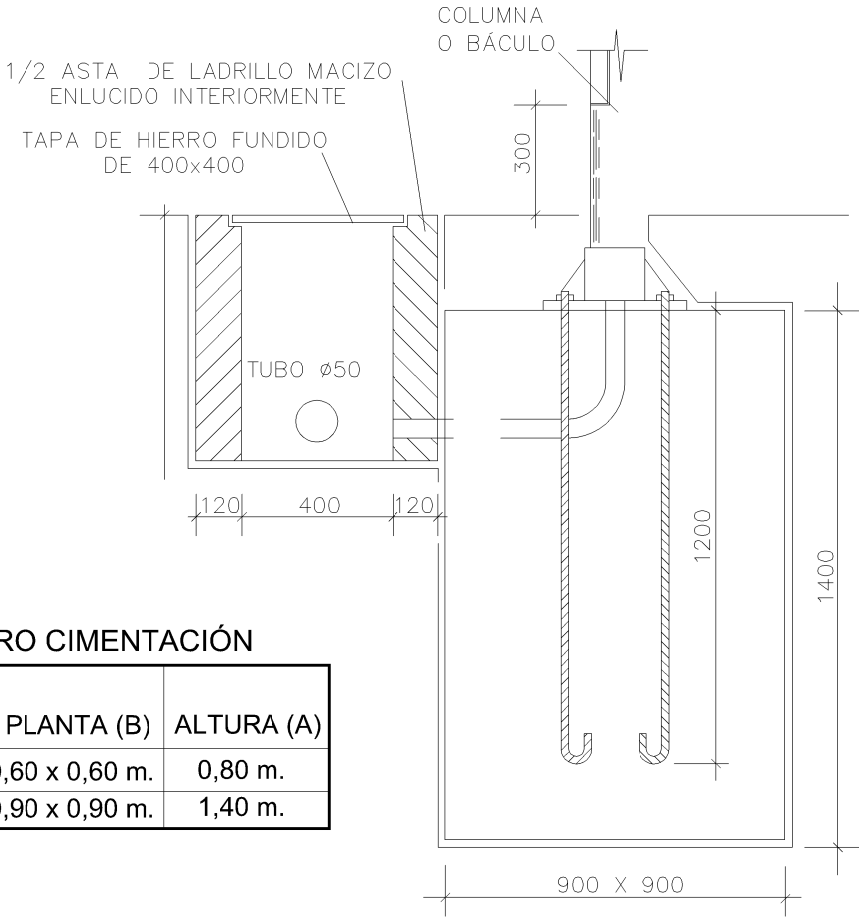
ESCALA 1/20



RELLENO ZANJA
Peatonales (aceras y jardines):
Tierra, arena, todo-uno o Zahorras
Compactadas
Viales (calzadas): Hormigón HM-20

CIMENTACIÓN 900x900x1400 PARA COLUMNA O BÁCULO
HASTA 12 m. DE ALTURA Y ARQUETA DE REGISTRO.

ESCALA 1/20

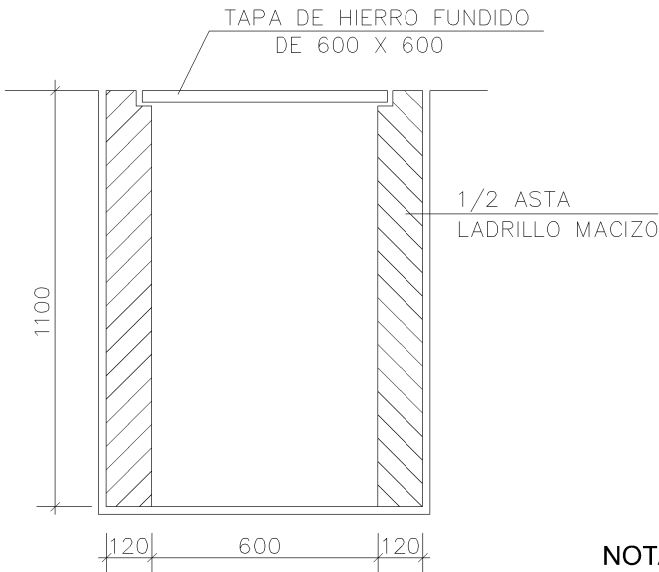


CUADRO CIMENTACIÓN

ALTURA COLUMNA	PLANTA (B)	ALTURA (A)
h= < 6m	0,60 x 0,60 m.	0,80 m.
h=10-12m	0,90 x 0,90 m.	1,40 m.

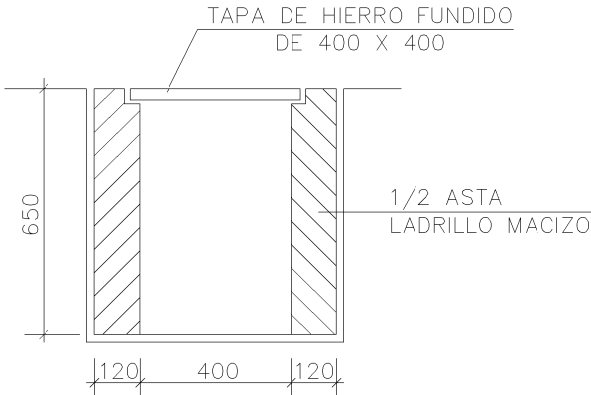
ARQUETA DE REGISTRO
DE 600X600X1100

ESCALA 1/20



ARQUETA DE REGISTRO
DE 400X400X1100

ESCALA 1/20



ARQUETA DE REGISTRO
DE 400X400X650

NOTA:

LAS TAPAS DE LAS ARQUETAS SERAN DE LA CLASE D-250
CON CIERRE DE SEGURIDAD Y TORNILLOS DE ACERO INOXIDABLE
COLOCADOS EN LADOS O VERTICES OPUESTOS A LA TAPA
(CARGA ROTURA MINIMA 25 TN)

AMPERA EVO

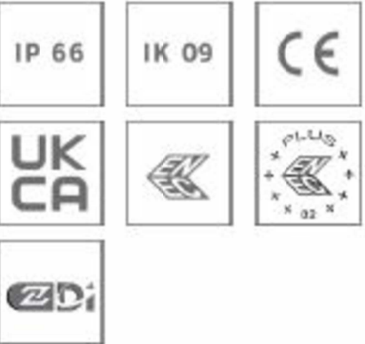


Solución de iluminación LED de alto rendimiento con rápido retorno de la inversión

Crear una solución de iluminación LED eficiente, económica y sostenible fue lo que nos movió a desarrollar AMPERA EVO.

AMPERA EVO es una luminaria viaria que destaca por su alto rendimiento, su innovación tecnológica y su simplicidad. Esta innovadora luminaria proporciona, por tanto, potente iluminación, una instalación rápida y sencilla, fácil gestión de la red de iluminación y el retorno de la inversión más rápido.

Disponible con diversos paquetes lumínicos —y numerosas distribuciones fotométricas—, AMPERA EVO es capaz de satisfacer todas sus necesidades de iluminación viaria y urbana.



INFORMACIÓN GENERAL

Altura de instalación recomendada	4m a 15+m 13' a 49'
Driver incluido	Sí
Marca CE	Sí
Certificado ENEC	Sí
Certificado ENEC Plus	Sí
Certificado Zhaga-D4i	Sí
Marca UKCA	Sí

CARCASA Y ACABADO

Carcasa	Aluminio
Óptica	PMMA
Protector	Vidrio templado
Acabado de la carcasa	Recubrimiento de polvo de poliéster
Color estándar	Gris AKZO 900 enarenado
Grado de hermeticidad	IP 66
Resistencia a los impactos	IK 09
Norma de vibración	Cumple con la norma ANSI C 136-31, 3G load Cumple con la modificada IEC 68-2-6 (0.5G)
Acceso para mantenimiento	Acceso sin herramientas al caja de auxiliares

CONDICIONES DE FUNCIONAMIENTO

Rango de temperatura de funcionamiento (Ta)	-30 °C a +50 °C / -22 °F a 122 °F con efecto de viento
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· Depende de la configuración de la luminaria. Para más información, póngase en contacto con nosotros.

INFORMACIÓN ELÉCTRICA

Clase eléctrica	I, II
Tensión nominal	220-240V AC – 50-60Hz
Factor de potencia (a plena carga)	0.9
Opciones de protección contra sobretensiones (kV)	10
Compatibilidad electromagnética (CEM)	EN 55015 / EN 61000-3-2 / EN 61000-3-3 / EN 61547
Protocolo de control	1-10V, DALI
Opciones de control	Perfil de regulación personalizado, Célula fotoeléctrica
Opciones de casquillo	Zhaga (opcional) NEMA 7 pines (opcional)
Sistemas de control asociados	Schröder EXEDRA
Sensor	PIR (opcional)

INFORMACIÓN ÓPTICA

Temperatura de color de los LED	2200K (WW 722) 2700K (WW 727) 3000K (WW 730) 3000K (WW 830) 4000K (NW 740) 5700K (CW 757)
Índice de reproducción cromática (CRI)	>70 (WW 722) >70 (WW 727) >70 (WW 730) >80 (WW 830) >70 (NW 740) >70 (CW 757)
ULOR	0%
ULR	0%

· ULOR diferente según el tipo de configuración. Por favor, consulte con nosotros.
· ULR diferente según el tipo de configuración. Por favor, consulte con nosotros.

VIDA ÚTIL DE LOS LED A TQ 25 °C

All configurations	100.000h - L95
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· La vida útil puede ser diferente según el tamaño / configuraciones. Por favor consúltenos.

CENTRO DE MANDO 2

