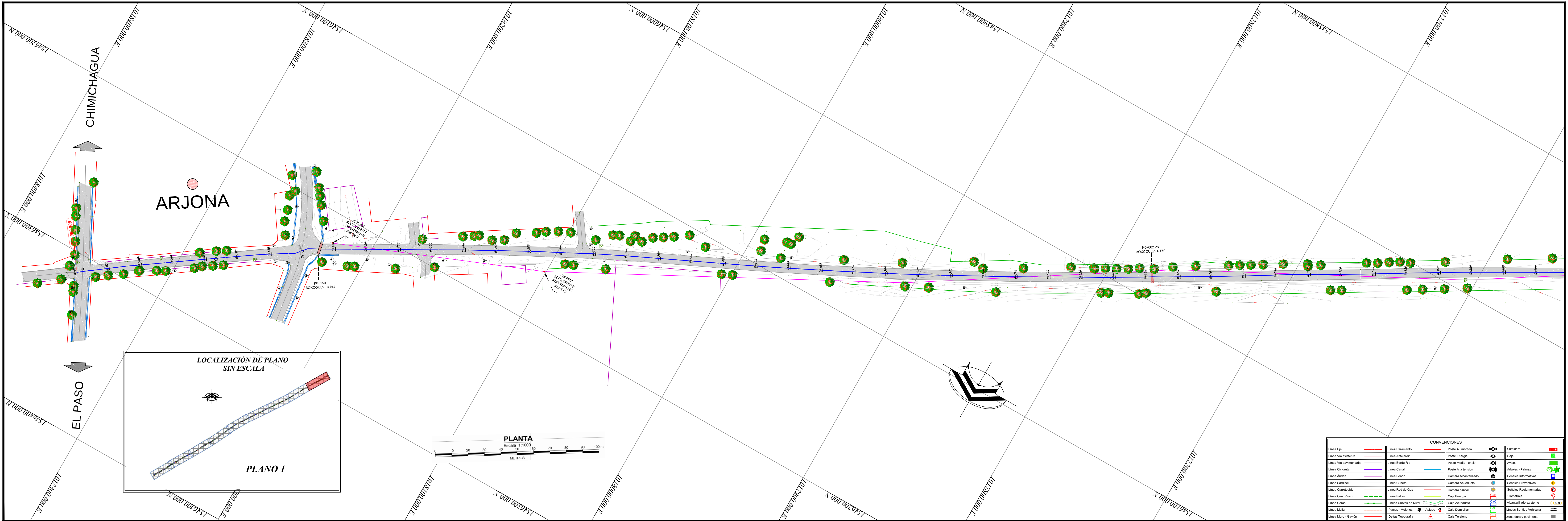
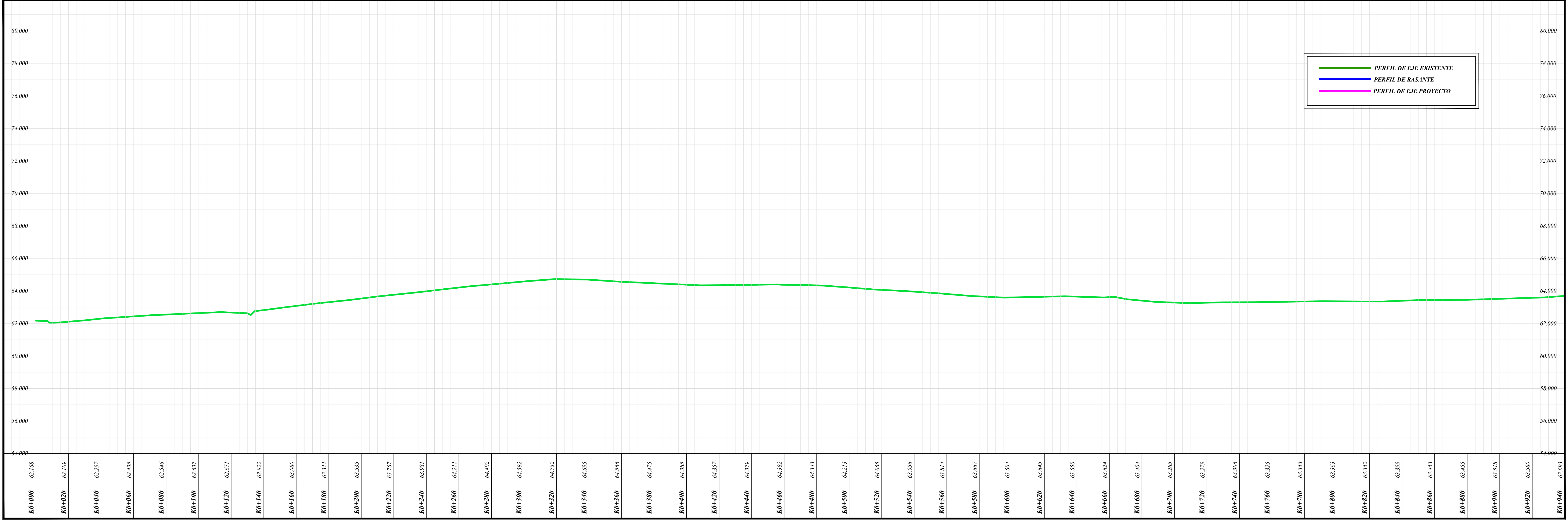




| CONVENCIONES          |                       |                          |                             |
|-----------------------|-----------------------|--------------------------|-----------------------------|
| Línea Eje             | Línea Paramento       | Protección Alcantarado   | Surcadero                   |
| Línea Vía existente   | Línea Arterial        | Protección Energía       | Caja                        |
| Línea Vía pavimentada | Línea Bordo Río       | Protección Medio Tensión | Arbolito                    |
| Línea Cuestada        | Línea Canal           | Protección Alto Tensión  | Arbolito - Platanos         |
| Línea Arden           | Línea Fondo           | Cámara Alcantarado       | Señales Informativas        |
| Línea Sardinell       | Línea Cuestada        | Cámara Alcantarado       | Señales Preventivas         |
| Línea Carretera       | Línea Red de Gas      | Cámara pluvial           | Señales Reglamentarias      |
| Línea Carretera Vieja | Línea Faltas          | Caja Energía             | Quemadero                   |
| Línea Carretera       | Línea Canteo de Nivel | Caja Acumulado           | Acumulado existente         |
| Línea Mala            | Placido - Magneto     | Caja Domestica           | Líneas Sencillos Vehicular  |
| Línea Mala - Gestión  | Defensa Topografía    | Caja Telerre             | Zona de drenaje y pavimento |



**LO HACEMOS MEJOR**  
GOBIERNO DEL CESAR



**LEVANTO:**  
  
GEICOL  
ING. PAUL CARVAJAL JUANES OSWALDO  
C.P.N.T. 840-11652

**DIBUJO Y DIGITALIZO:**  
Top. Paulino Carvajal Juanes Oswaldo  
C.P.N.T. 840-11652

**REVISO:**  
Ing. Iván Darío Gómez, B.  
COPILA 7035-11933

**INTERVENTORIA:**  
Hernán Rafael Alarcón Anaya  
TP-2020-43400 CES

**SUPERVISIÓN:**  
Secretaría de Infraestructura - Gobernación del Cesar

| REVISIONES | FECHA |
|------------|-------|
|            |       |
|            |       |
|            |       |
|            |       |

**PROYECTO:**  
ESTUDIOS Y DISEÑOS PARA LA REHABILITACIÓN Y PAVIMENTACIÓN DE VÍAS  
SECUNDARIAS Y TERCARIAS 2020, EN EL DEPARTAMENTO DEL CESAR

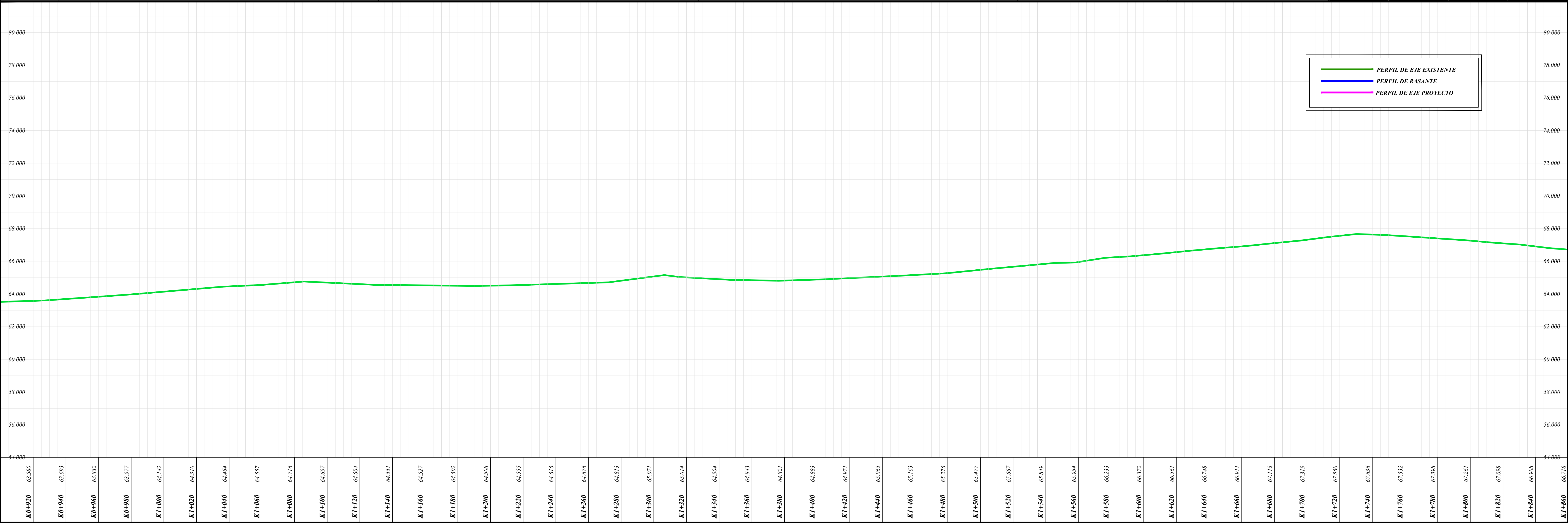
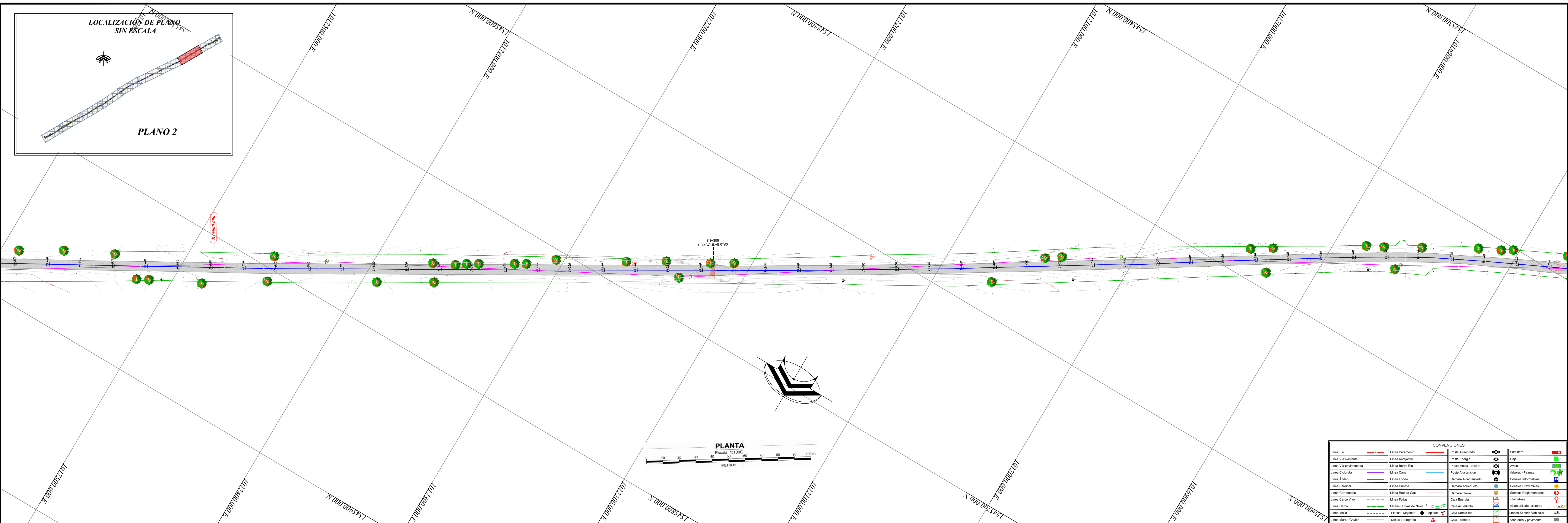
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Plano Planta - Perfil, Secciones Transversales  
(Tramo 4 ASTREA - ARJONA)

**ESCALA:**  
H: 1.....1000  
V: 1.....100

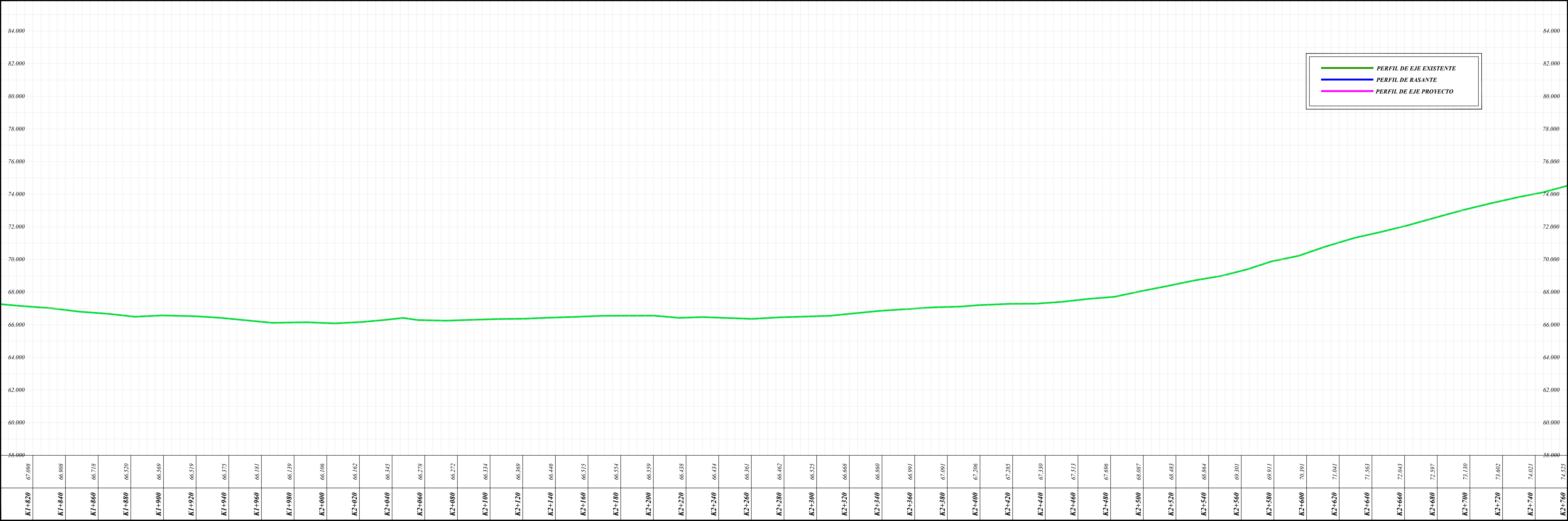
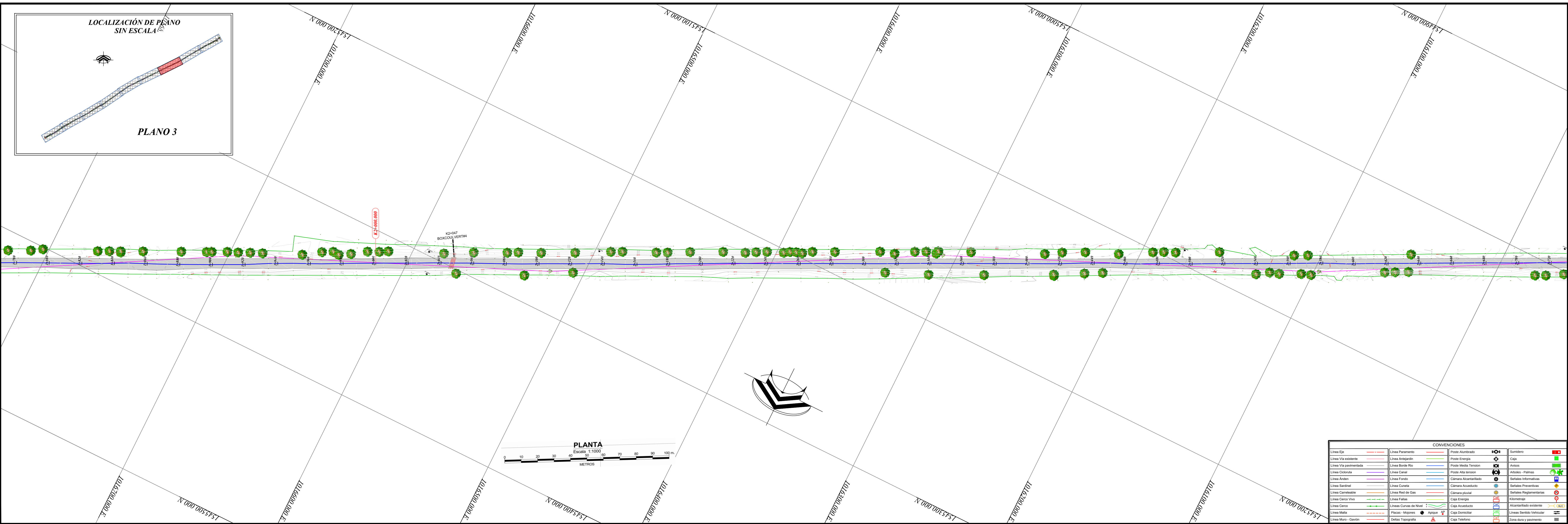
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MAYO 2021

**PLANO:**  
**1/18**

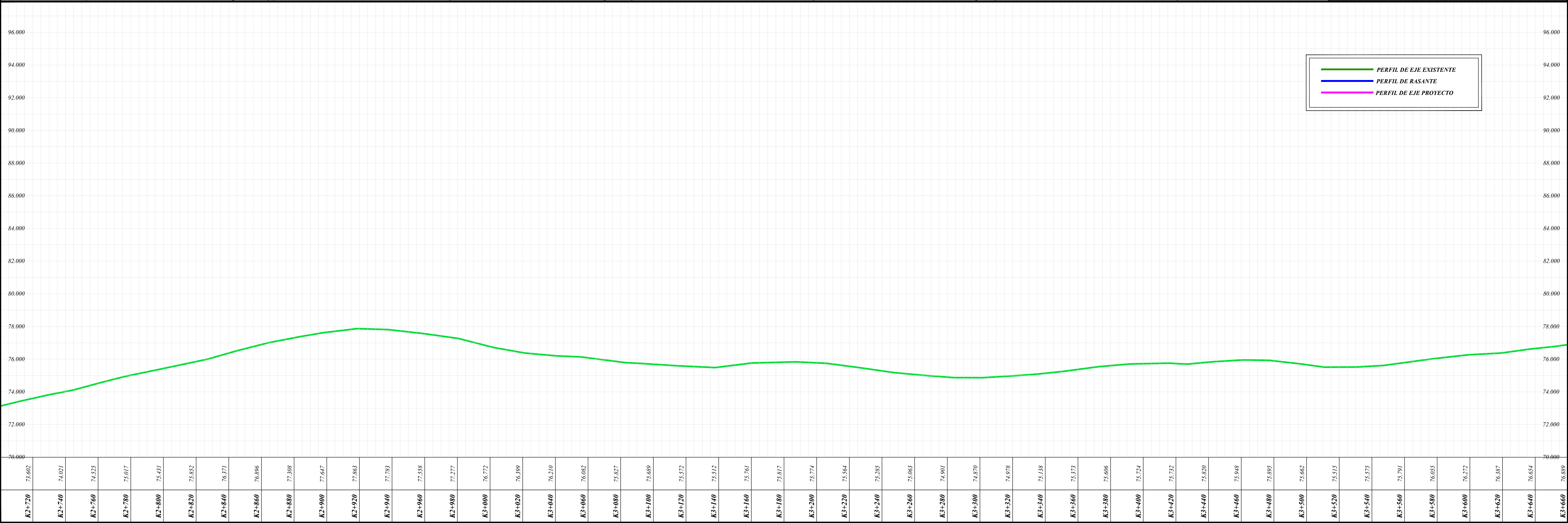
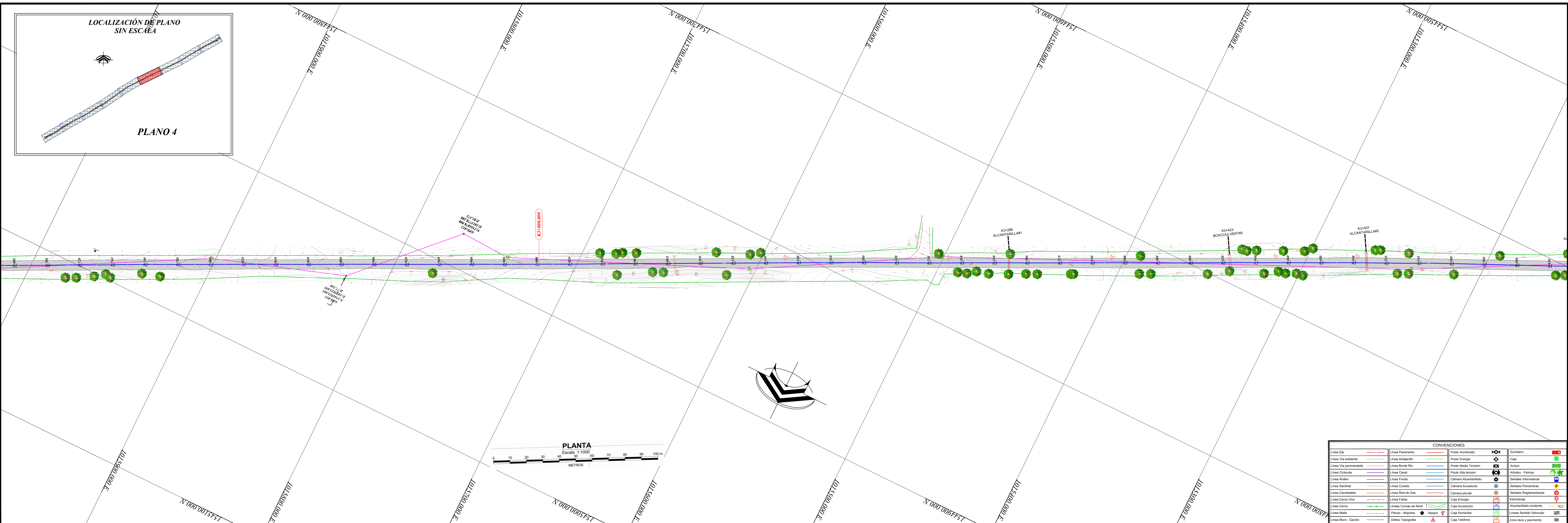




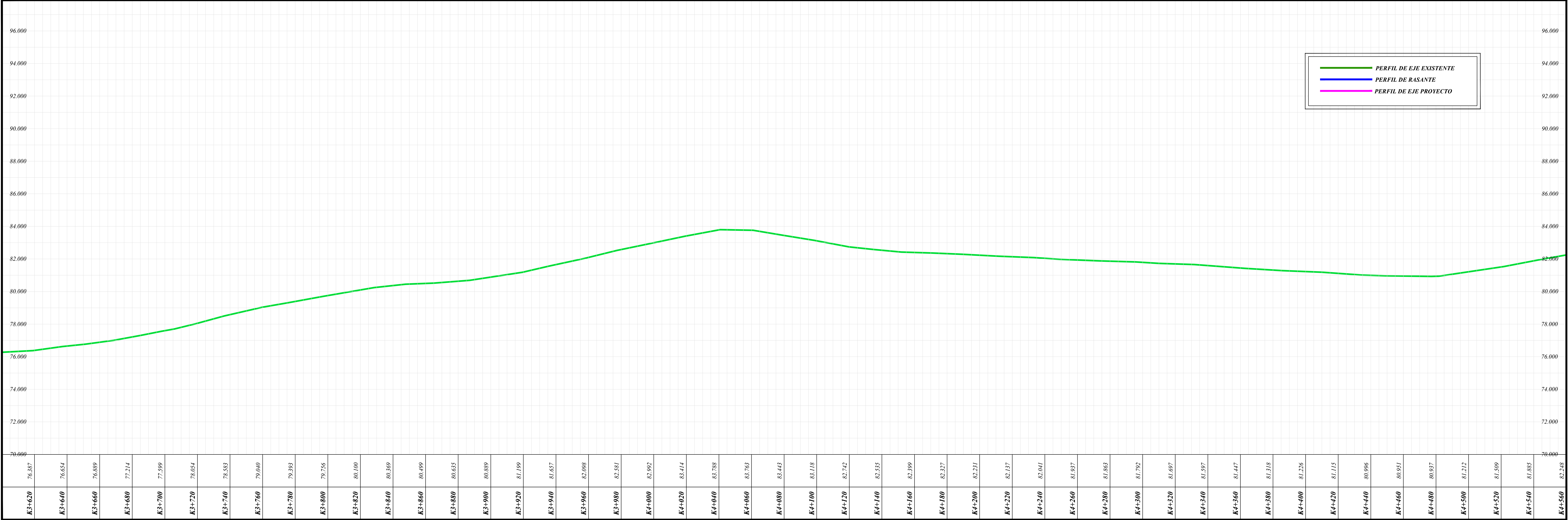
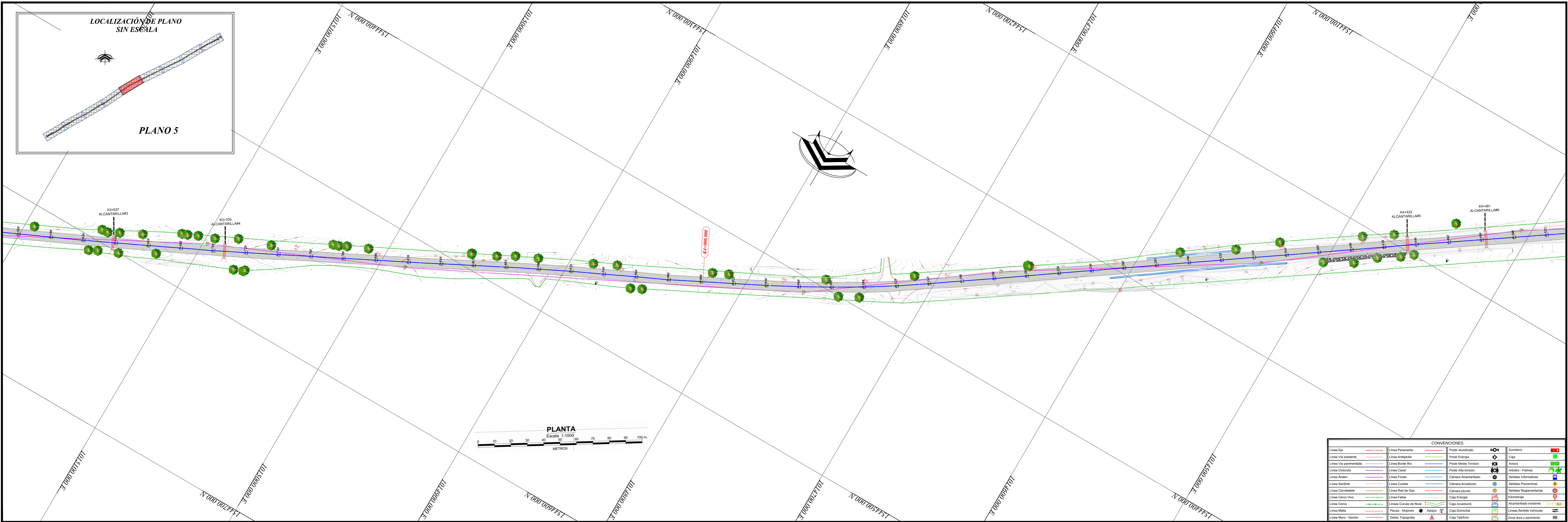




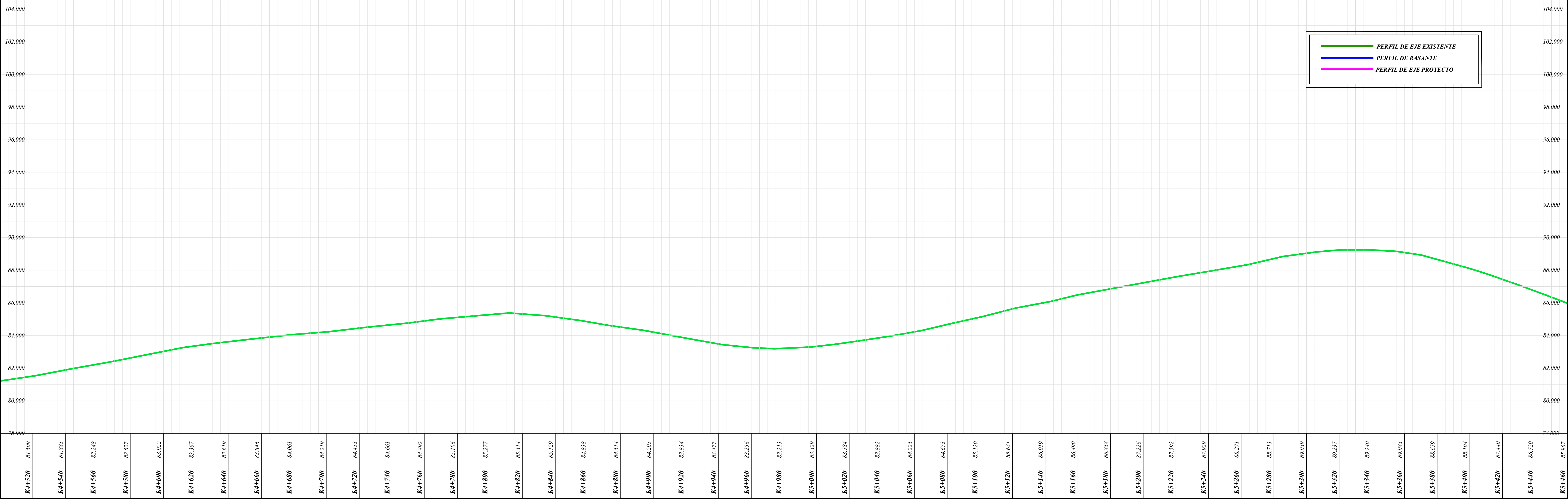
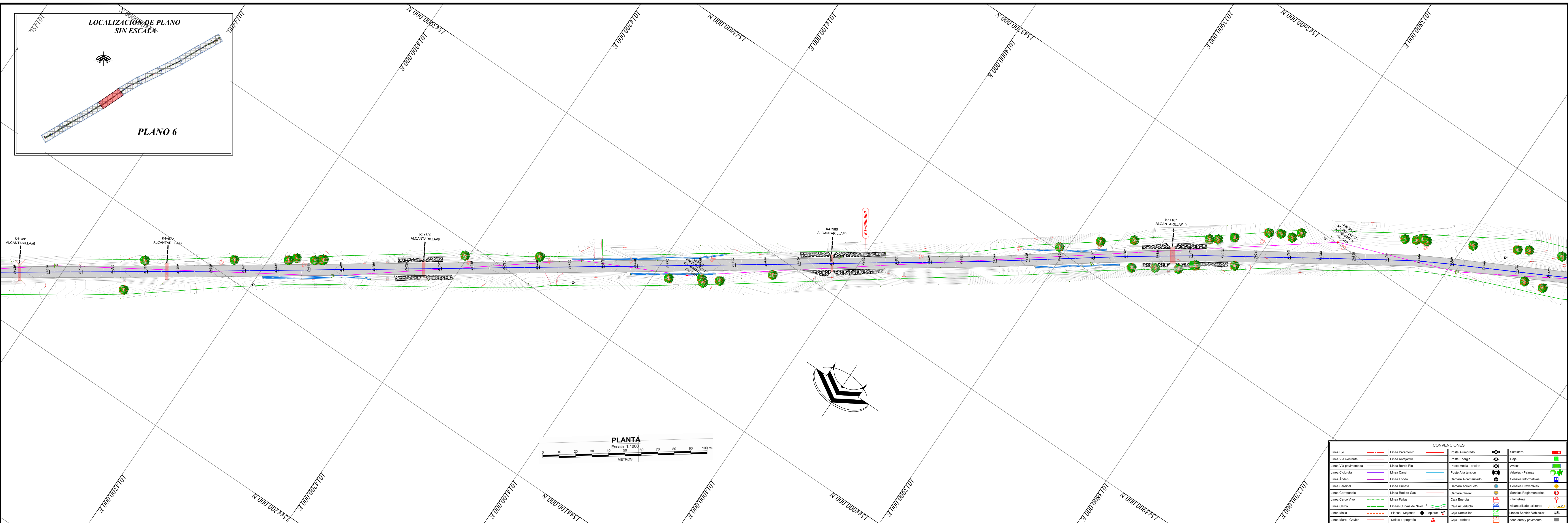




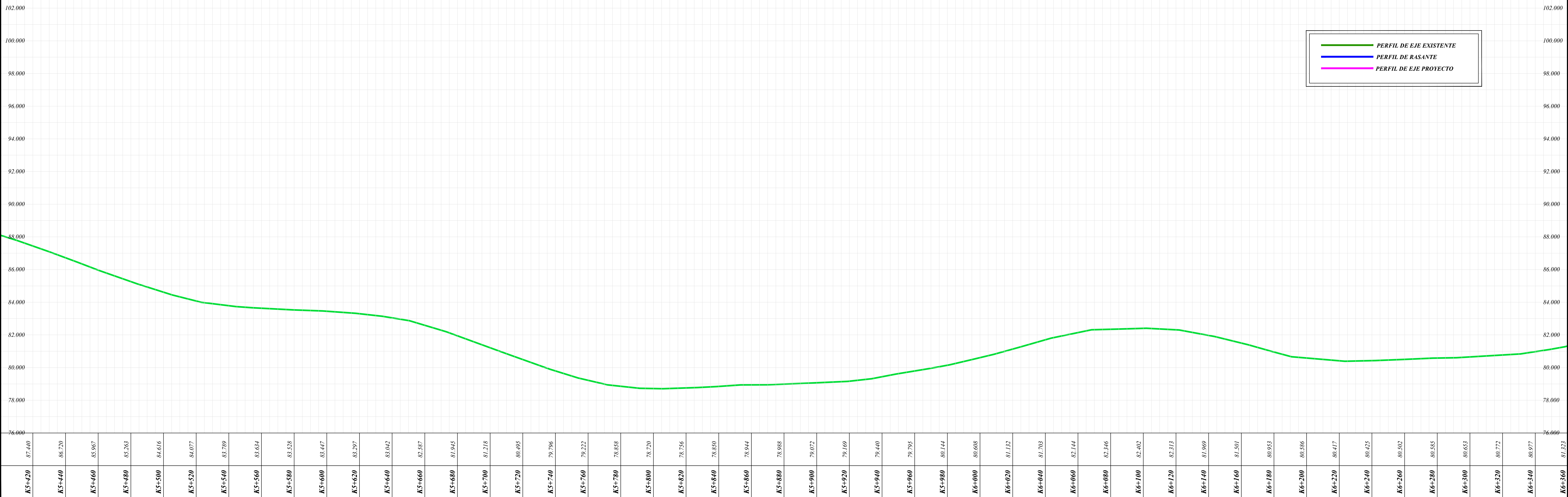
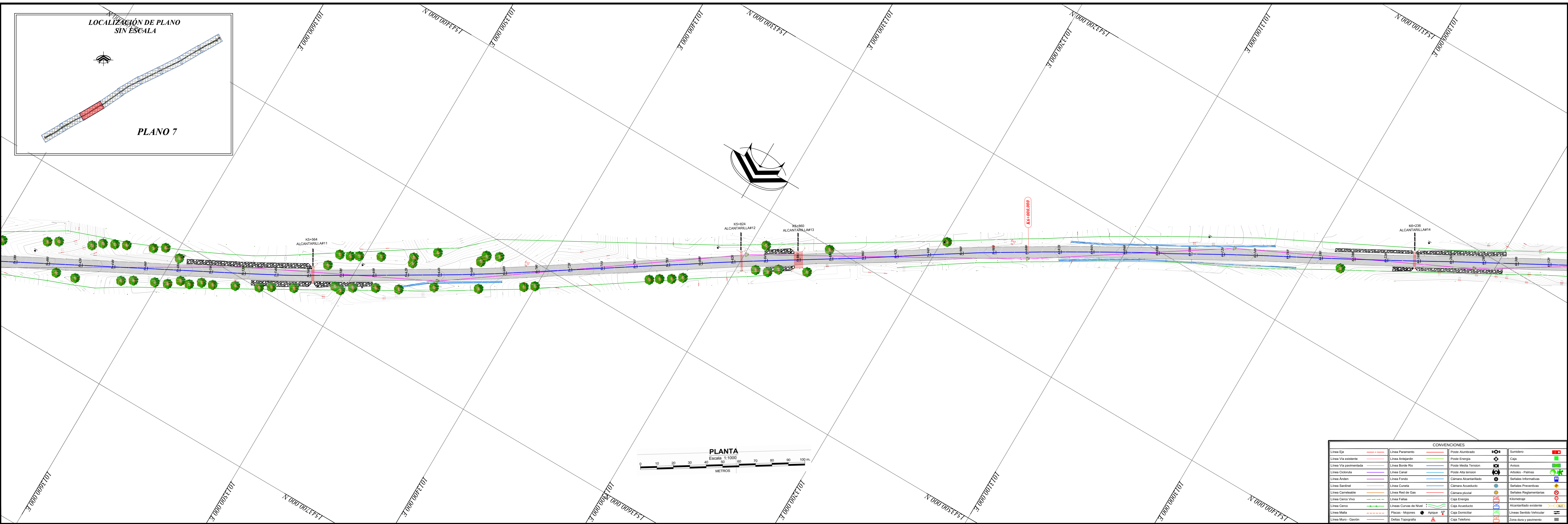




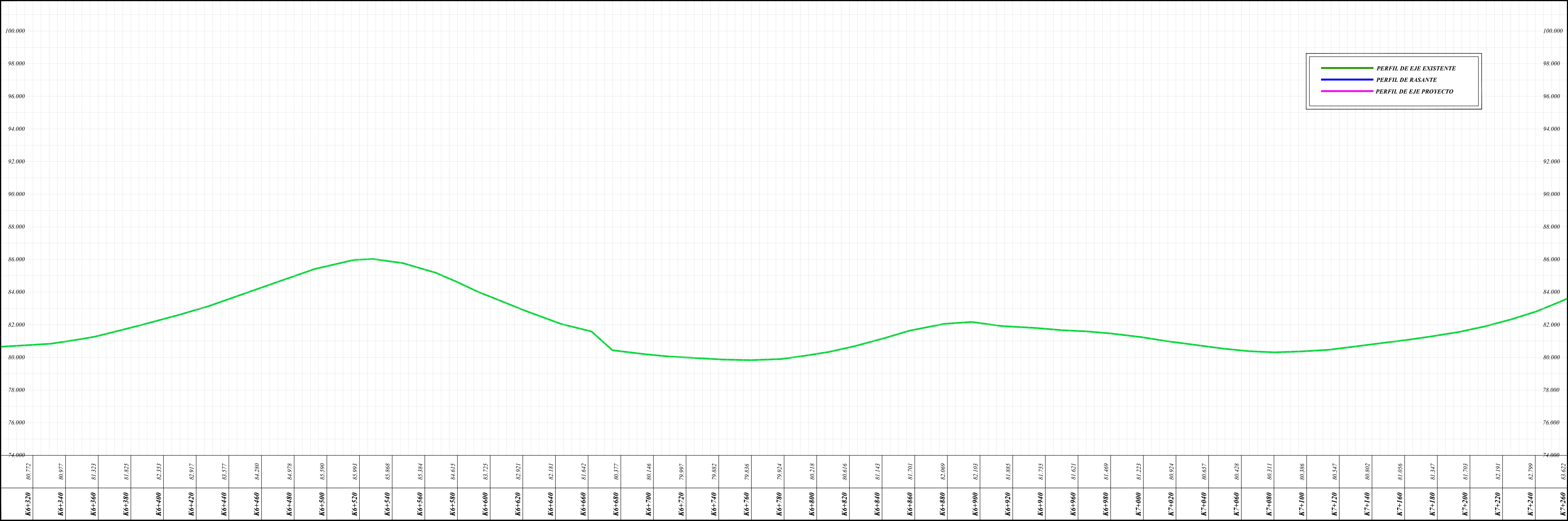
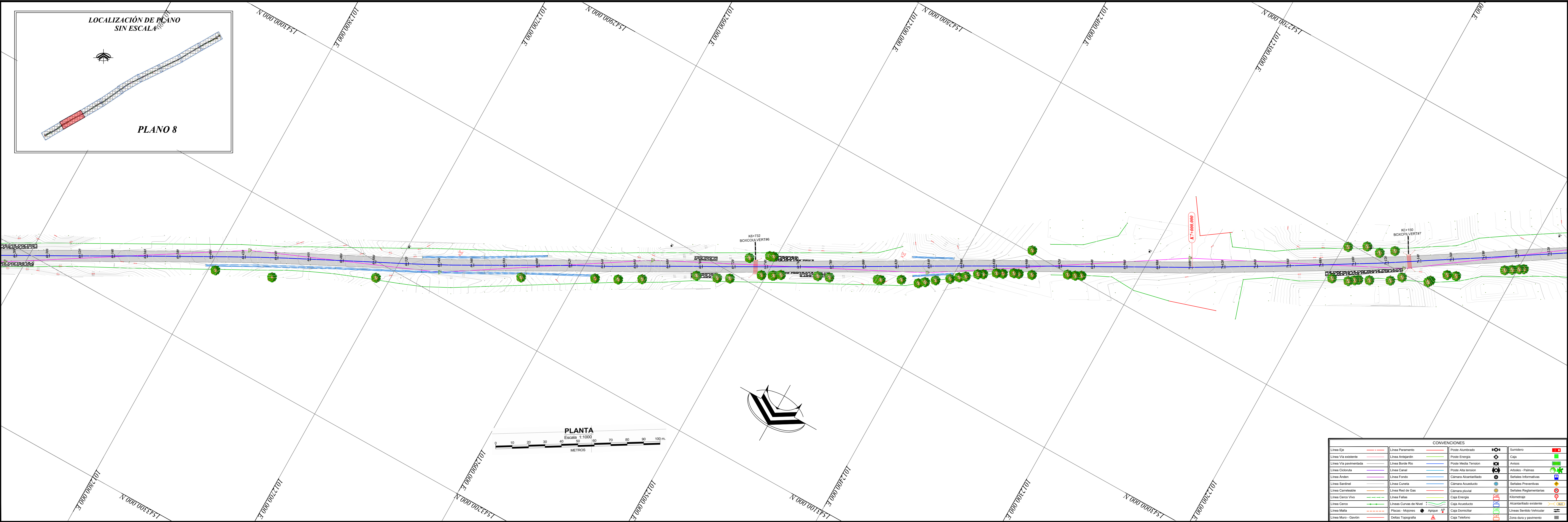








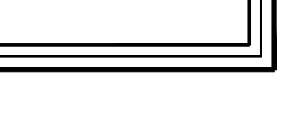
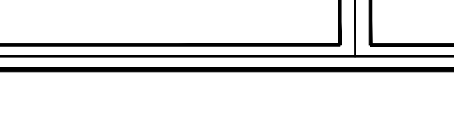
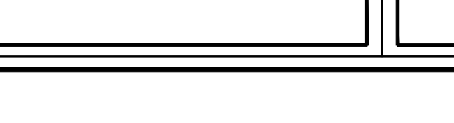
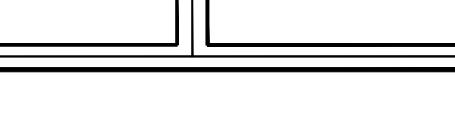
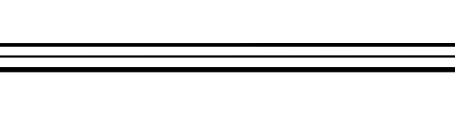
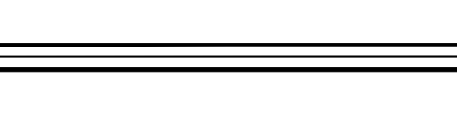
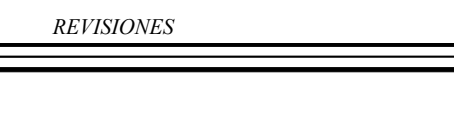
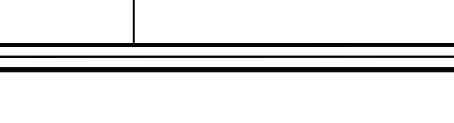
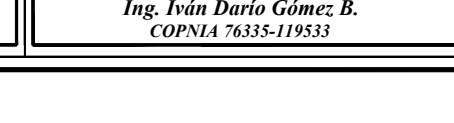
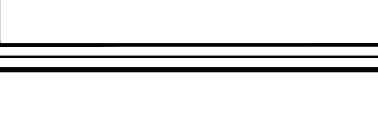
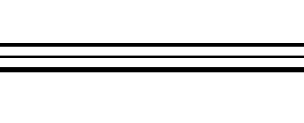
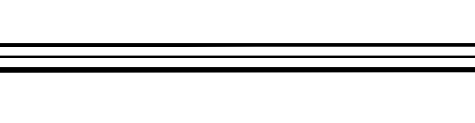
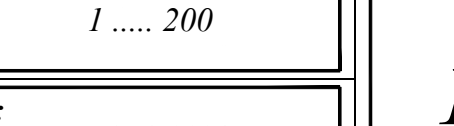
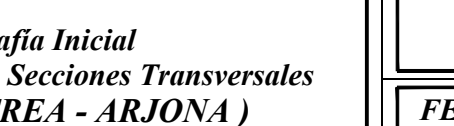
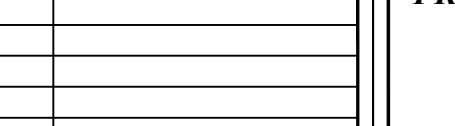
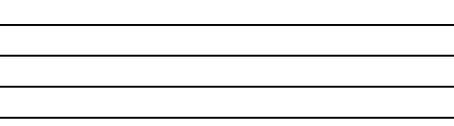
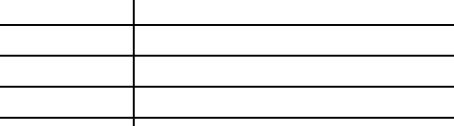
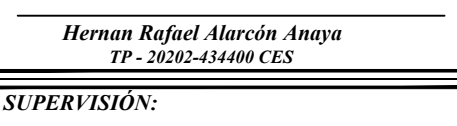
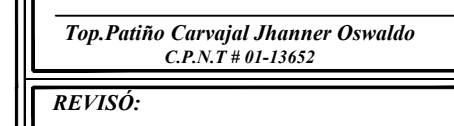
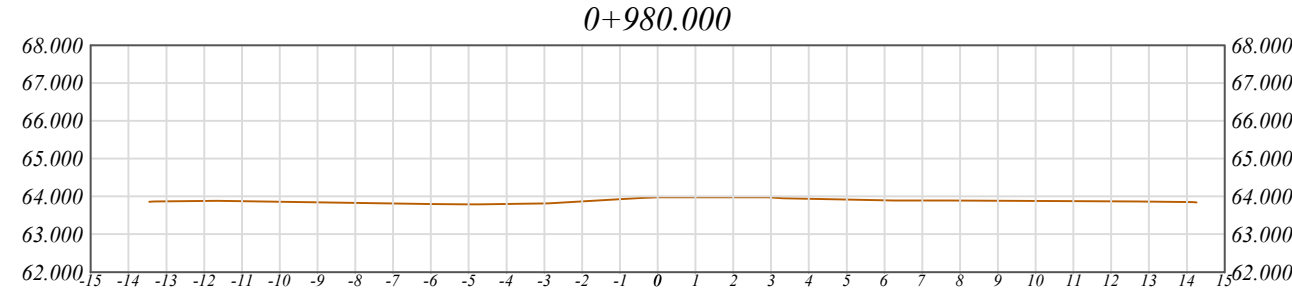
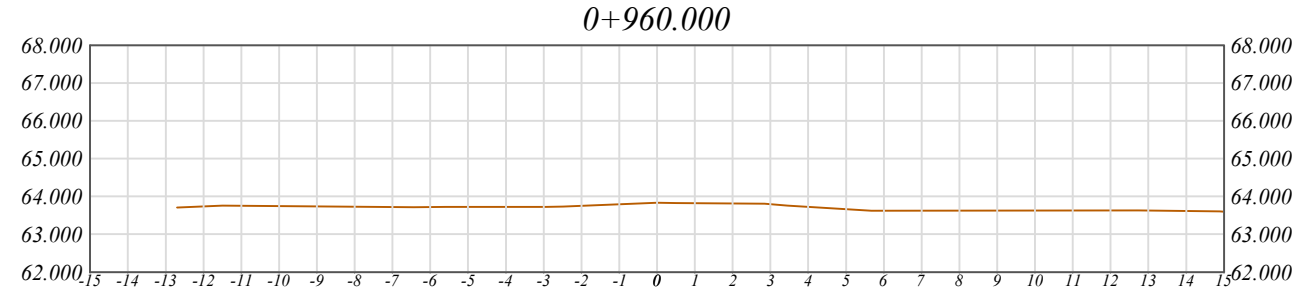
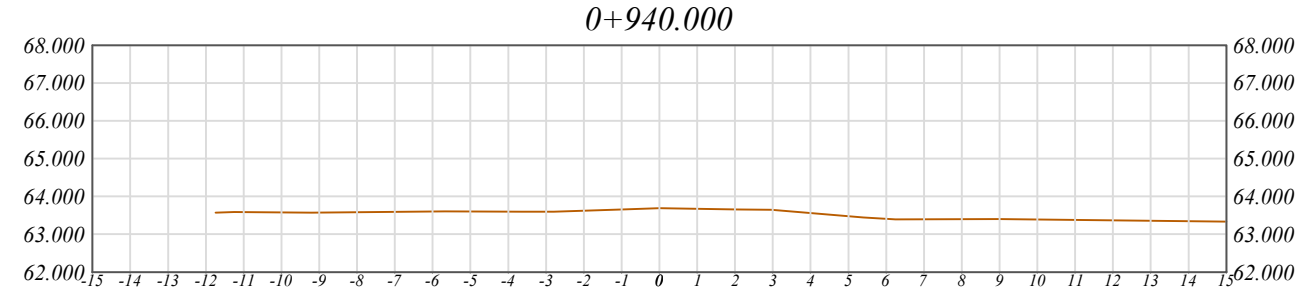
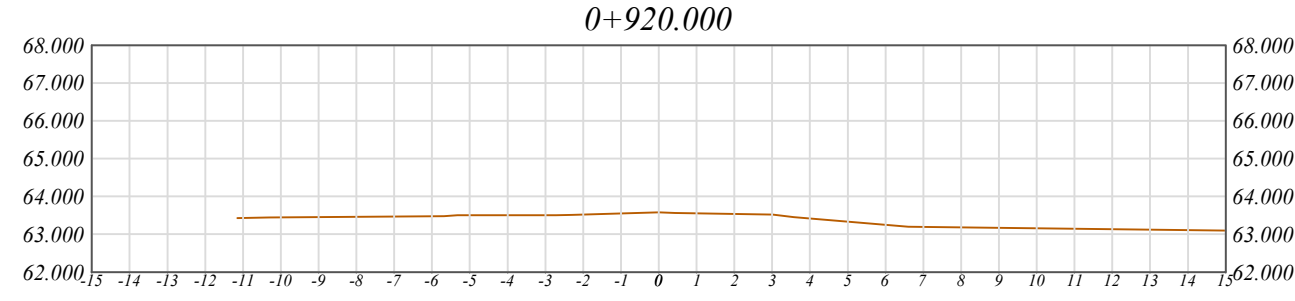
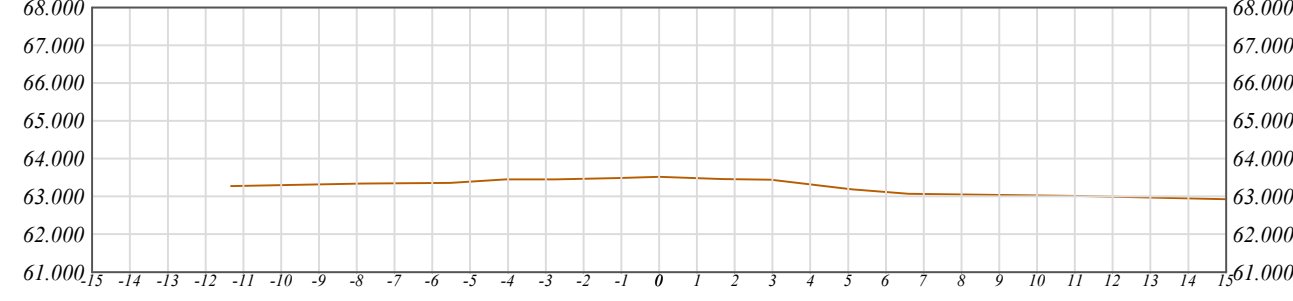
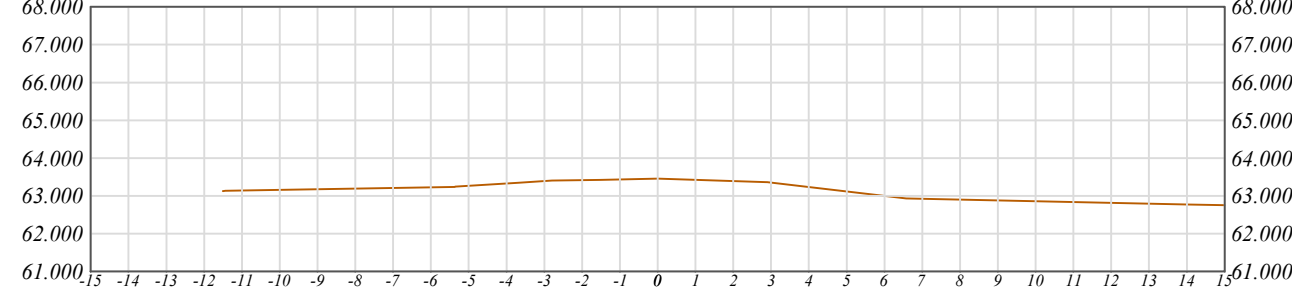
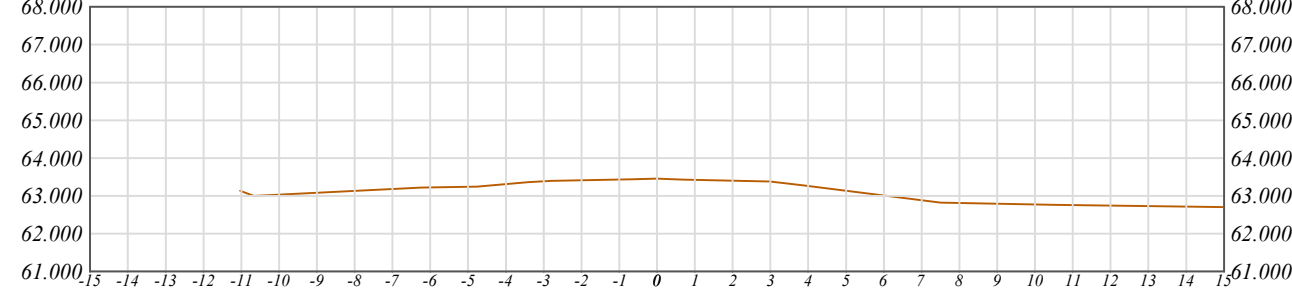
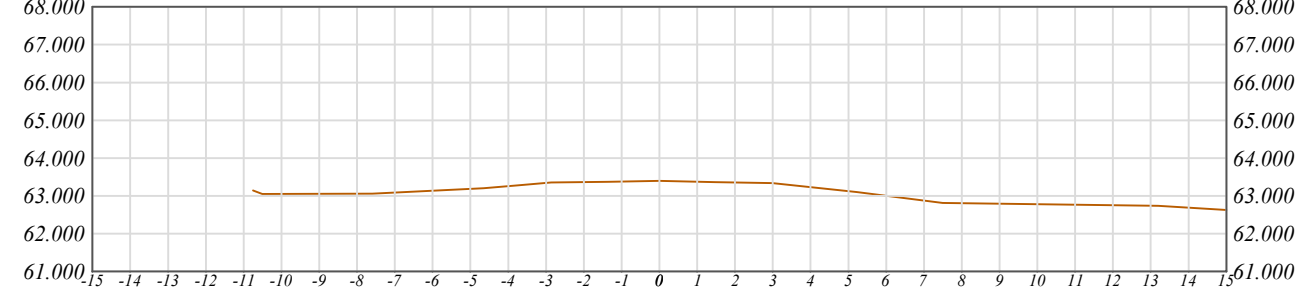
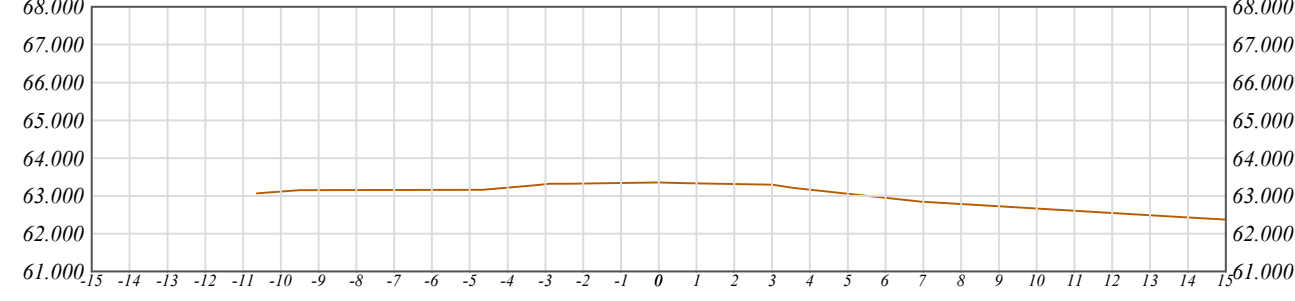
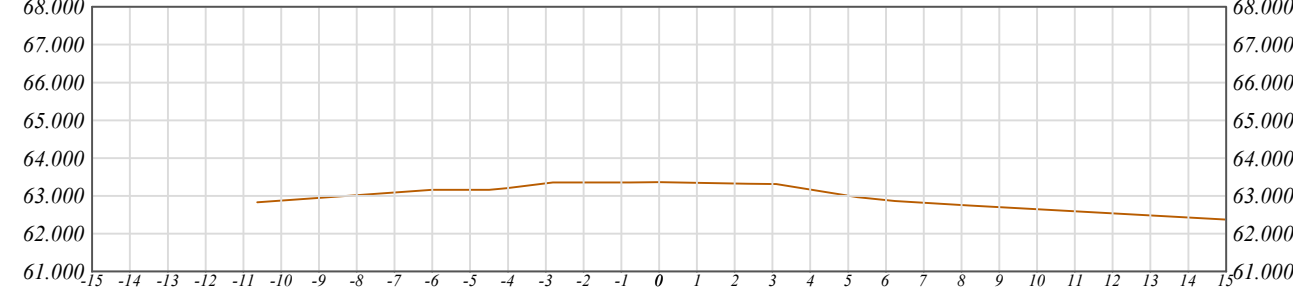
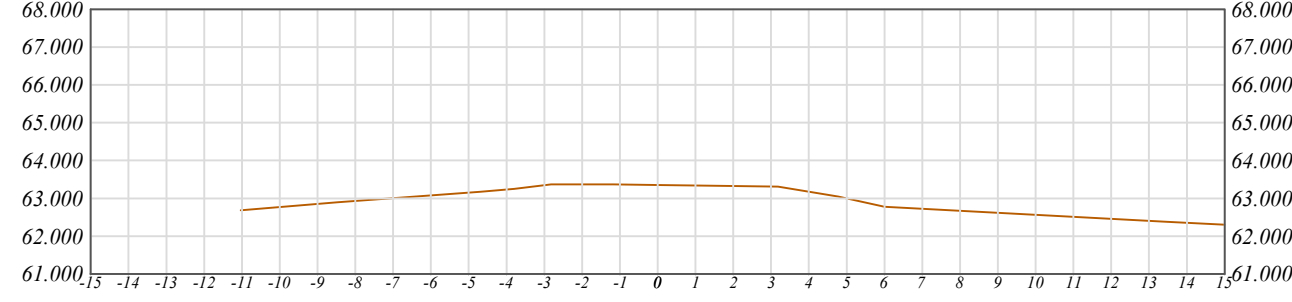
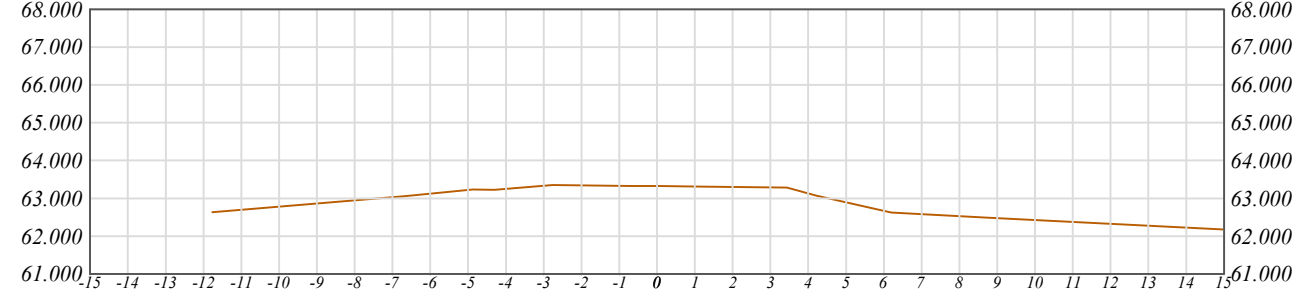
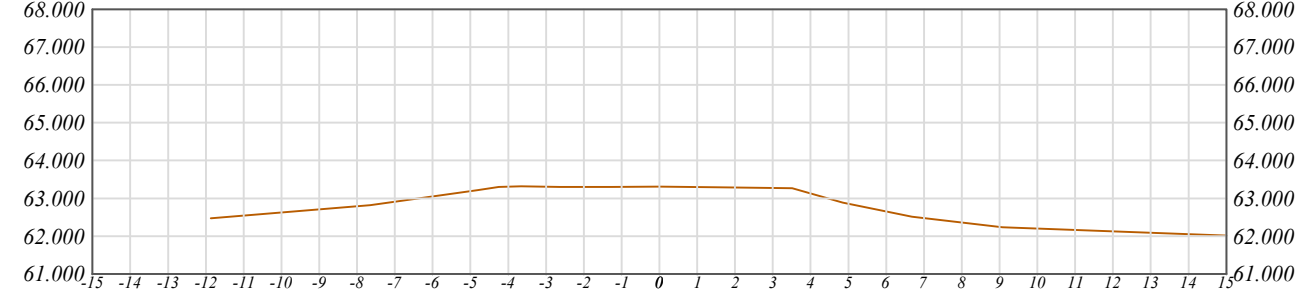
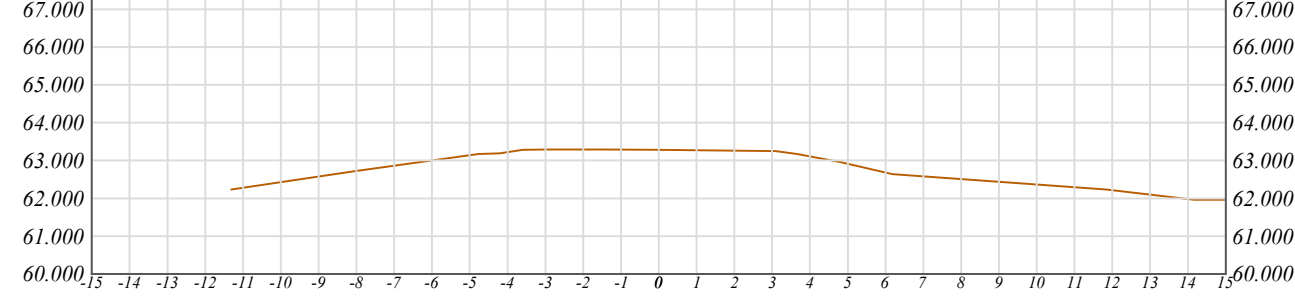
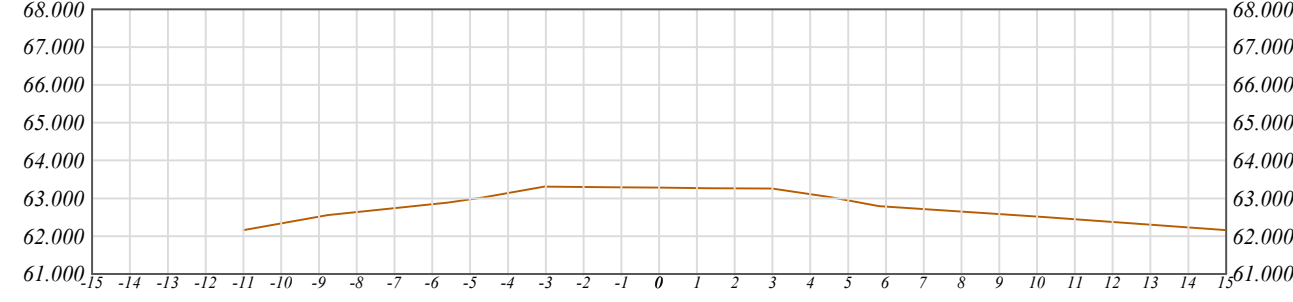
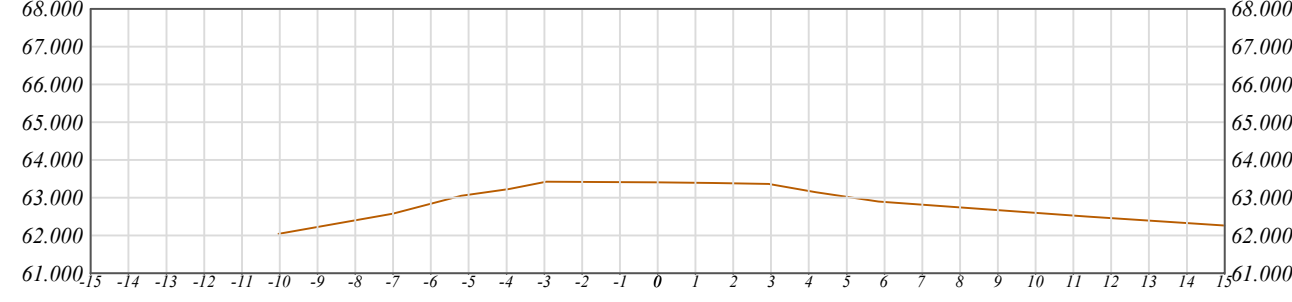
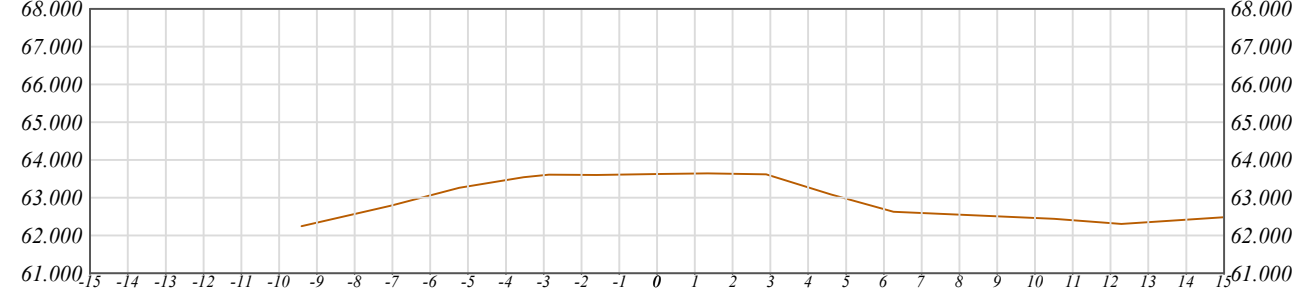
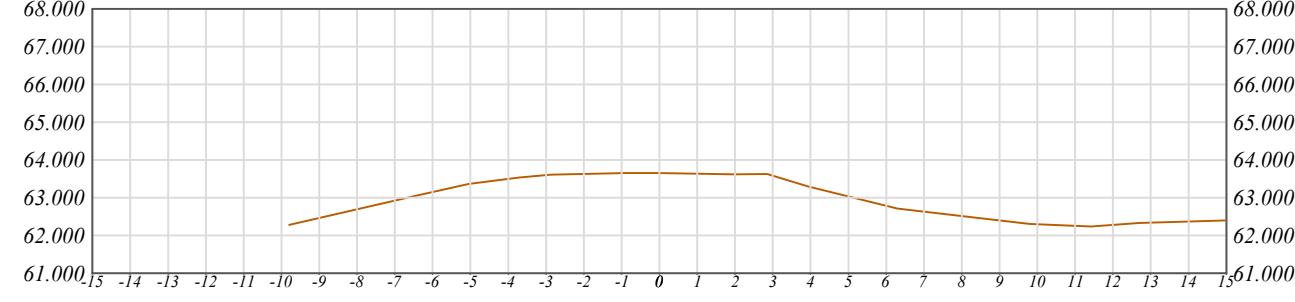
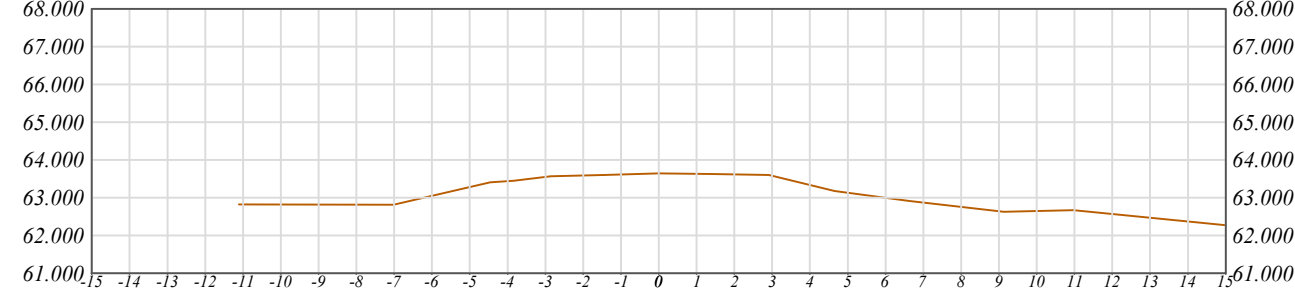
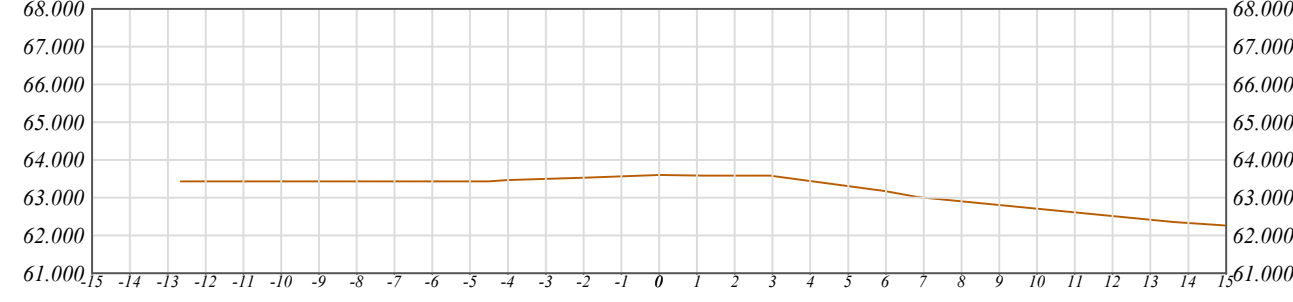
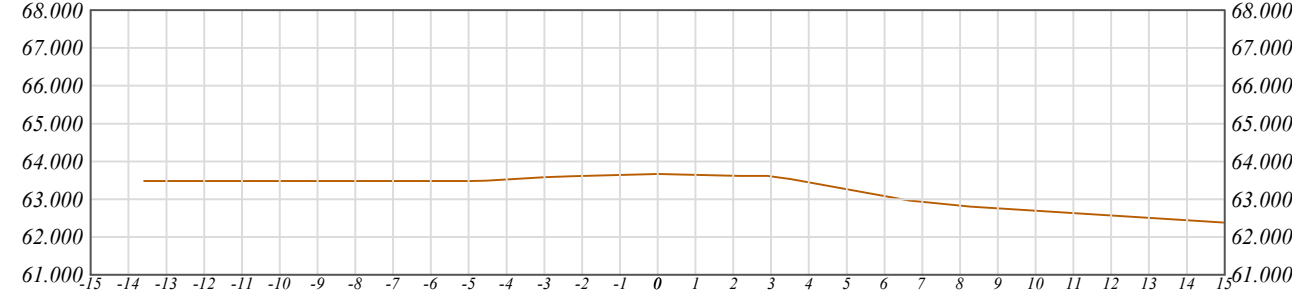
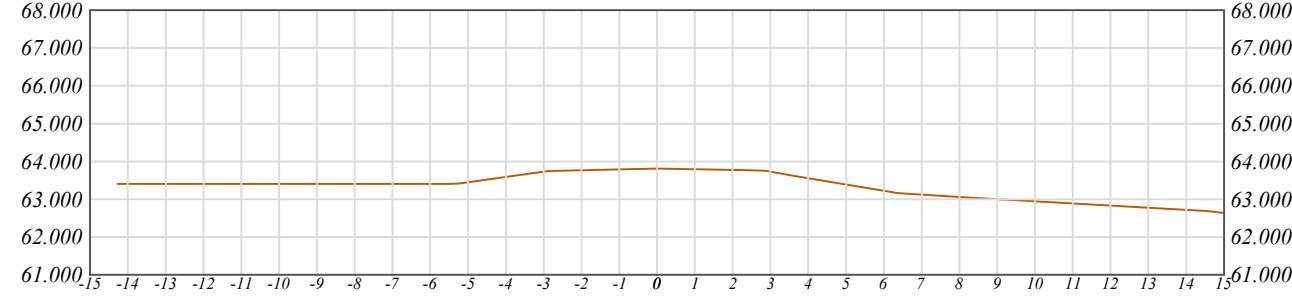
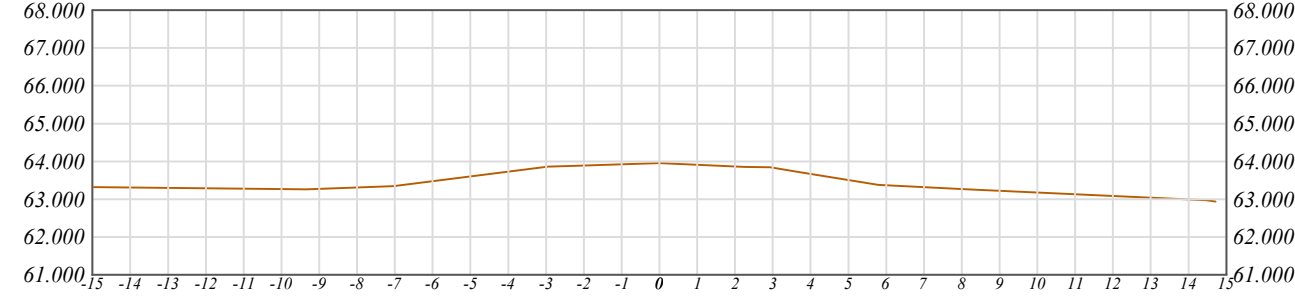
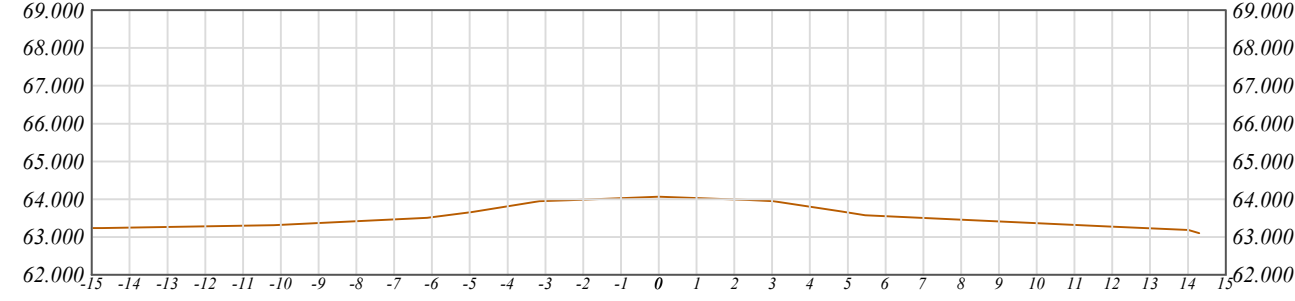
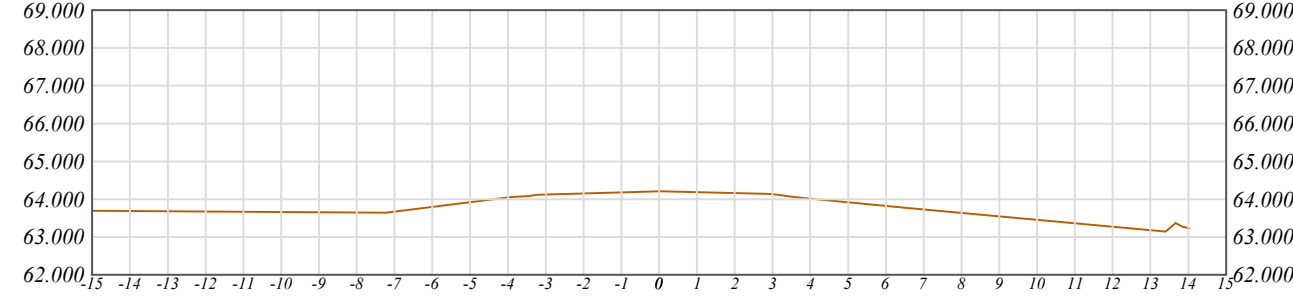
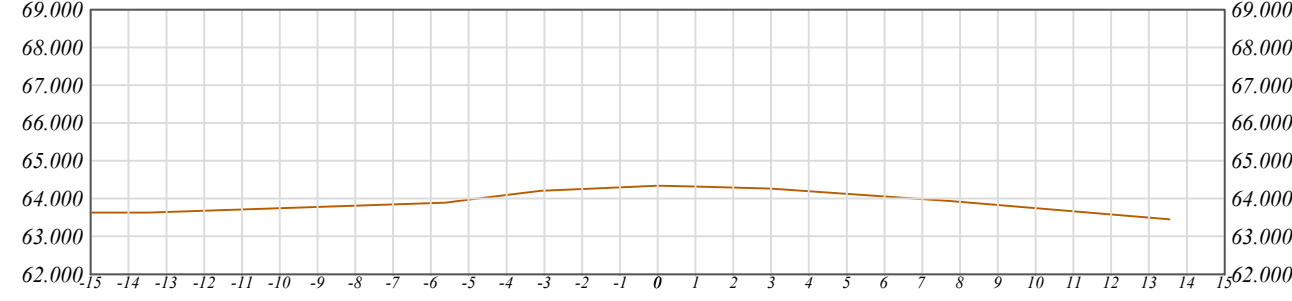
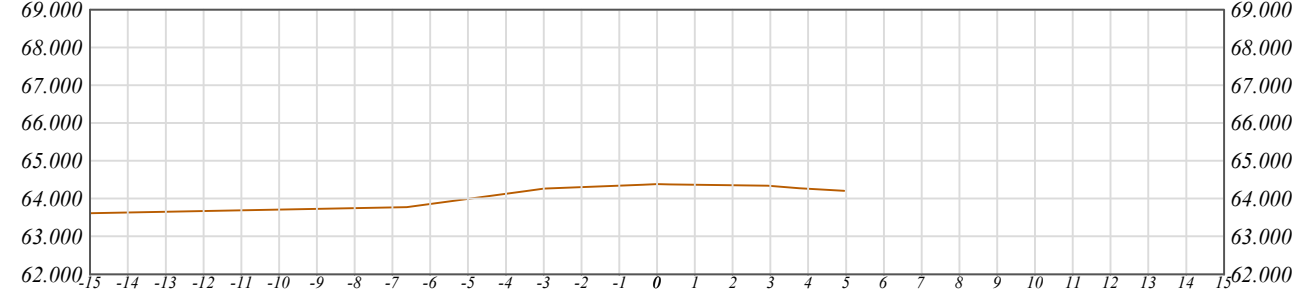
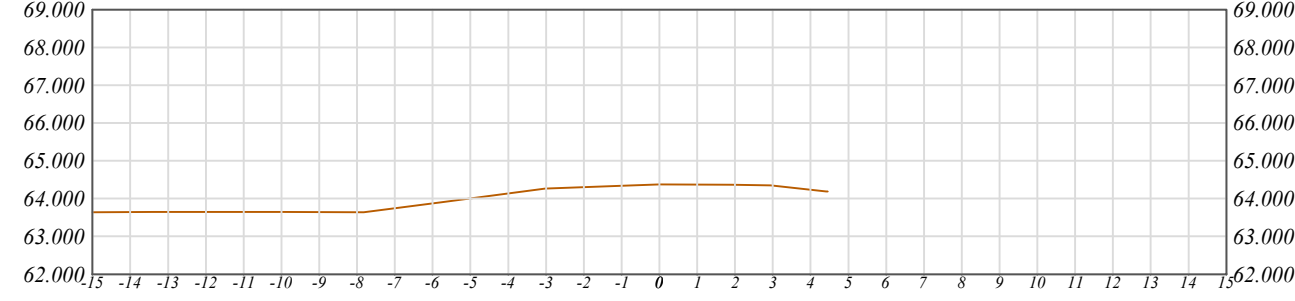
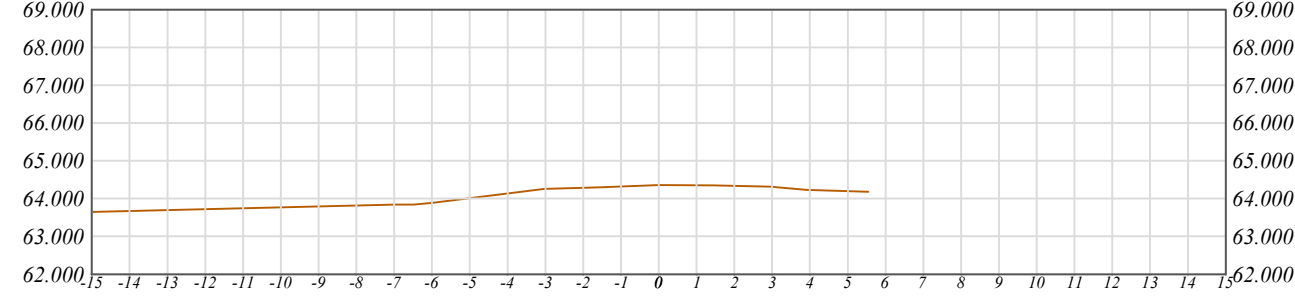
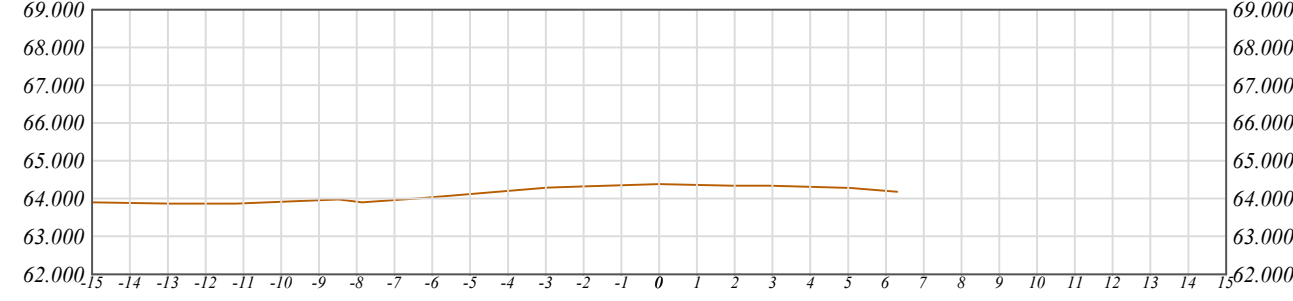
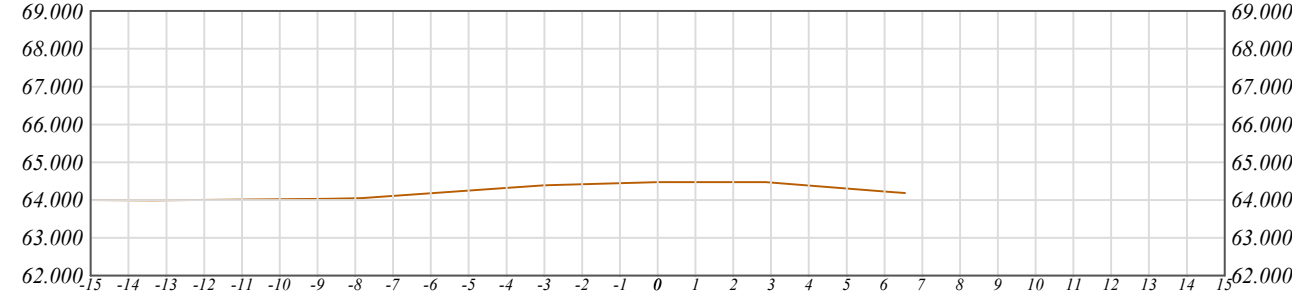
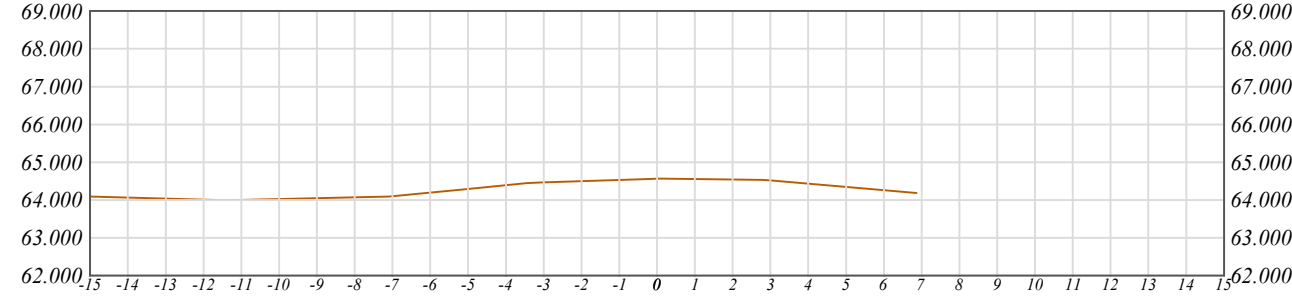
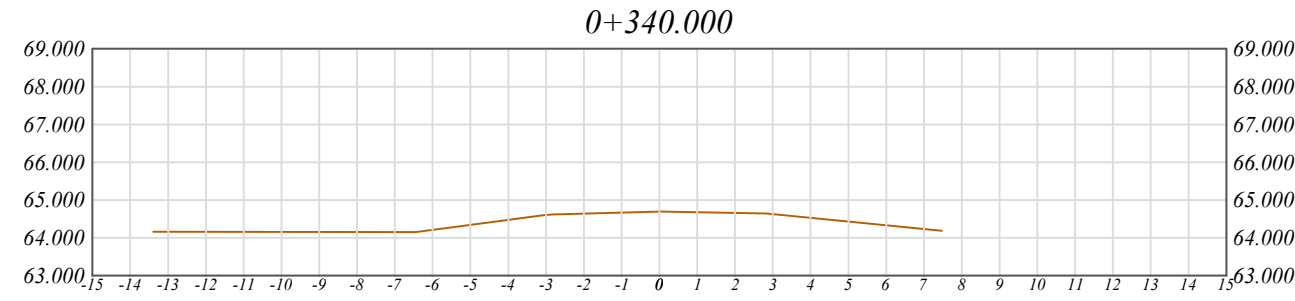
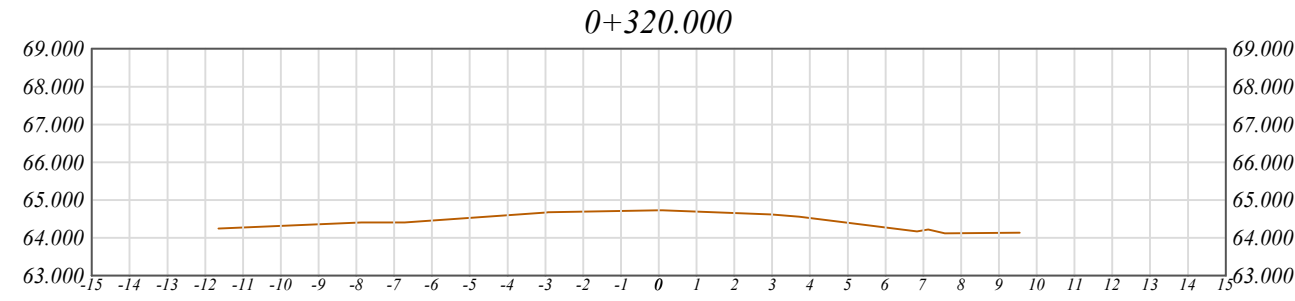
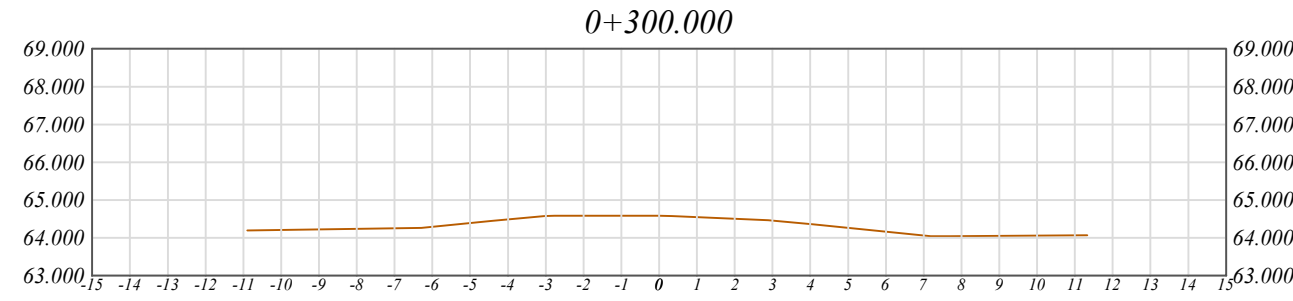
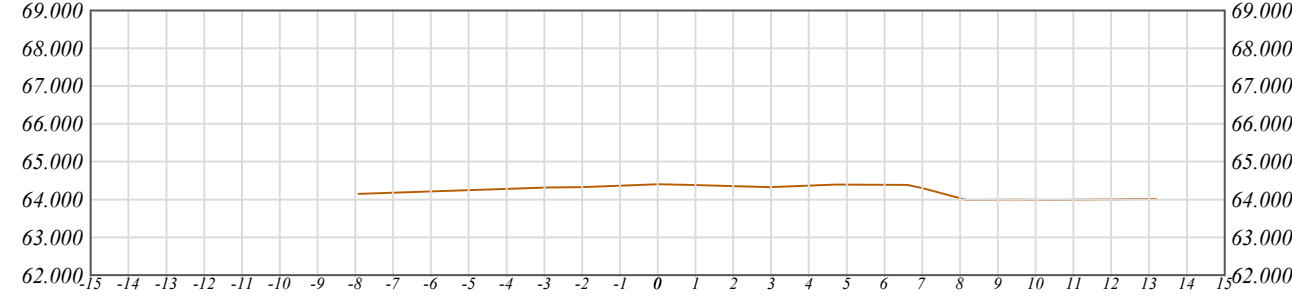
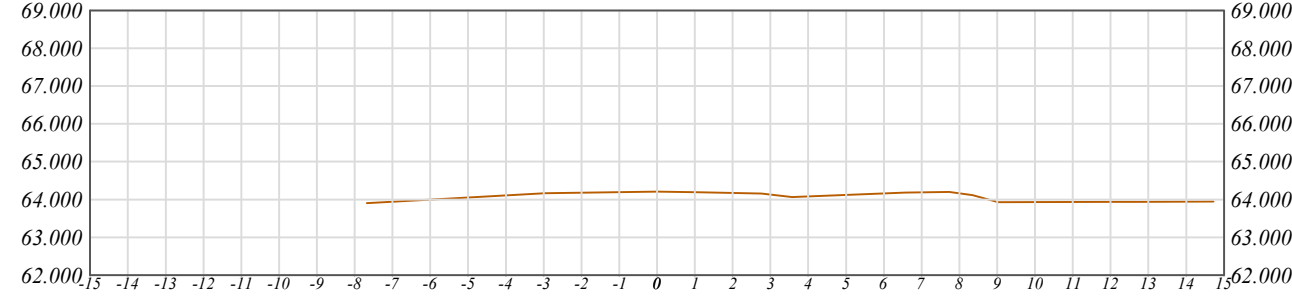
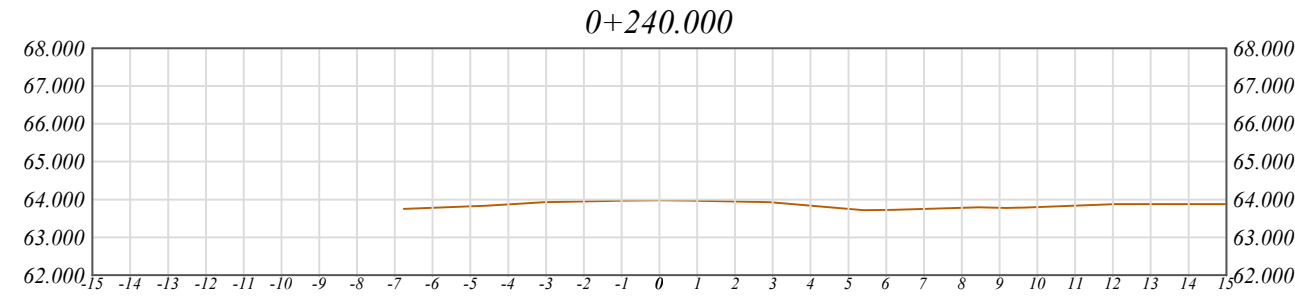
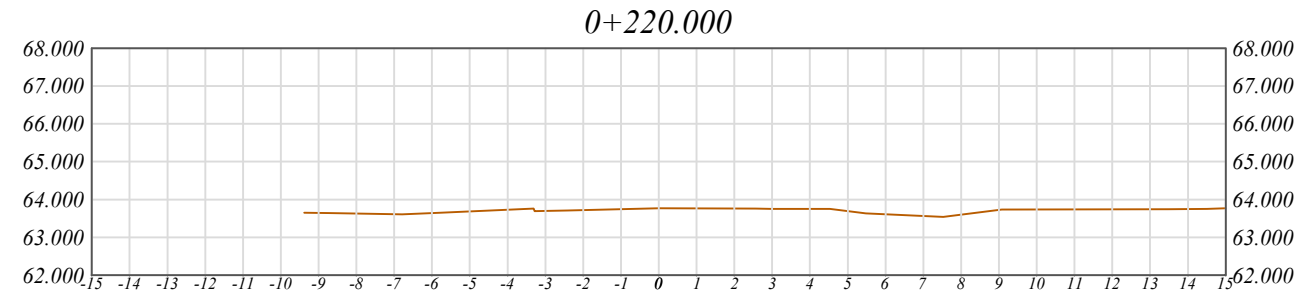
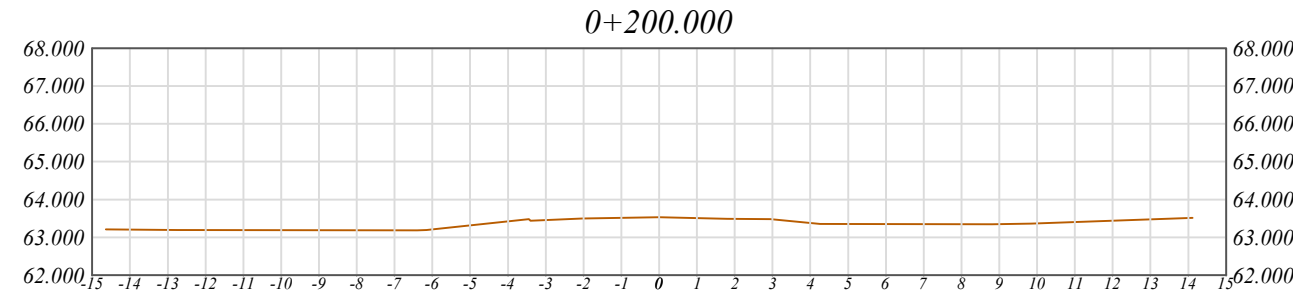
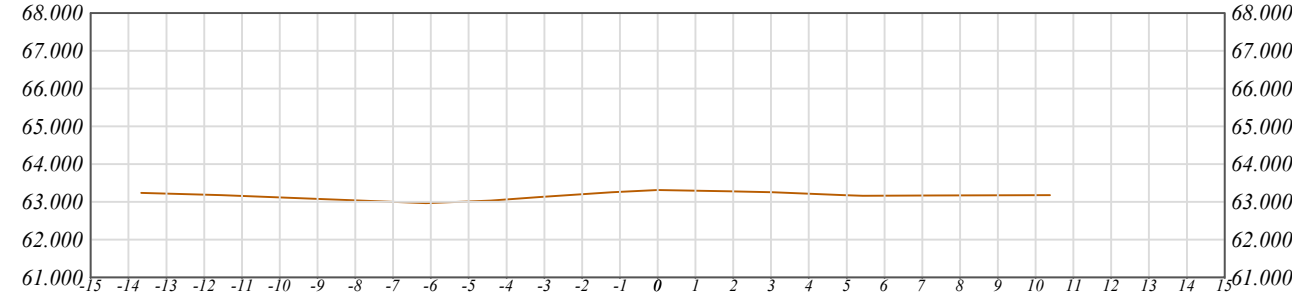
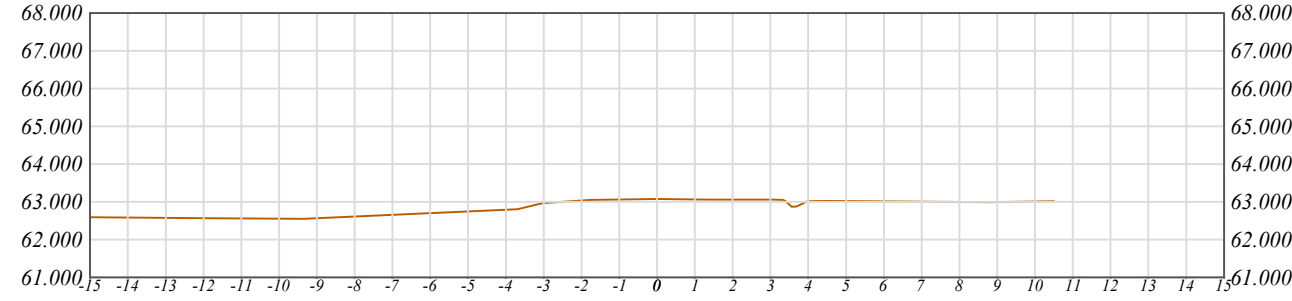
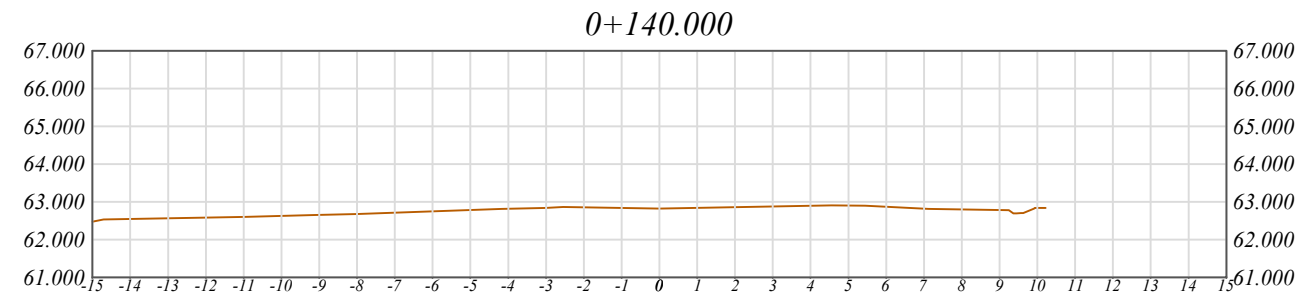
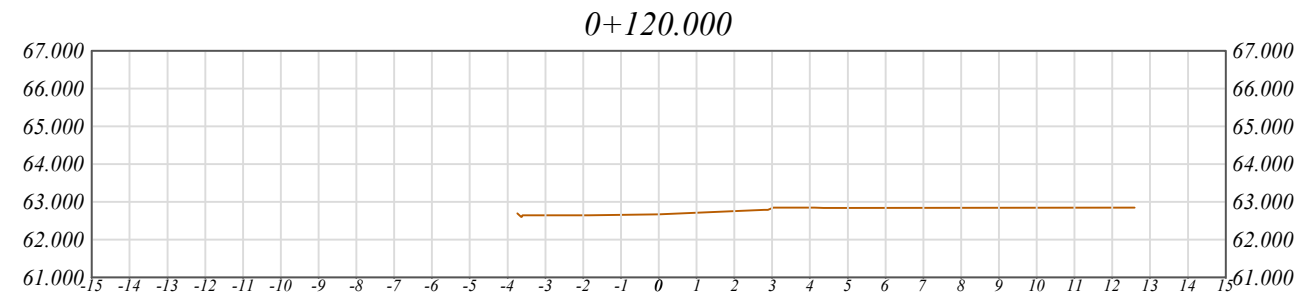
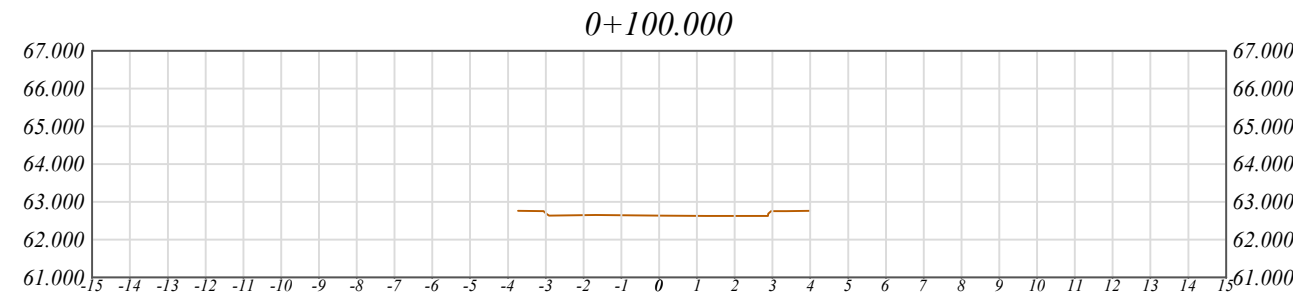
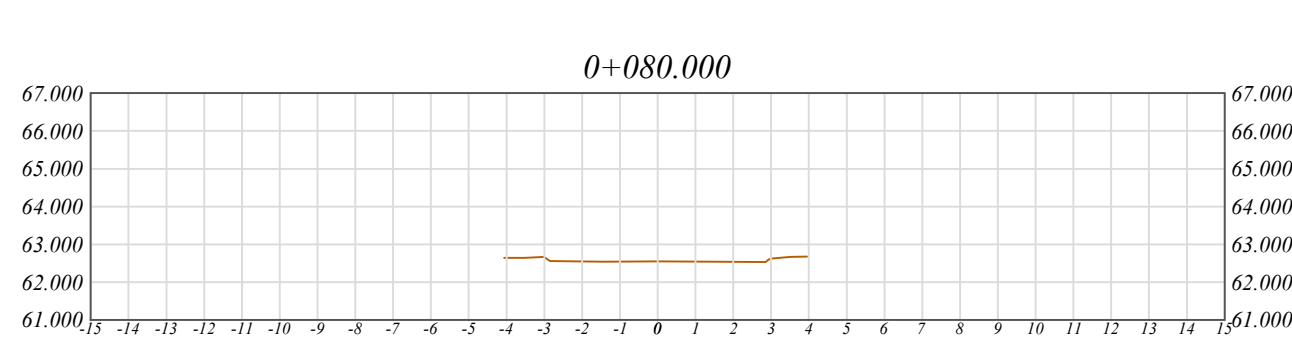
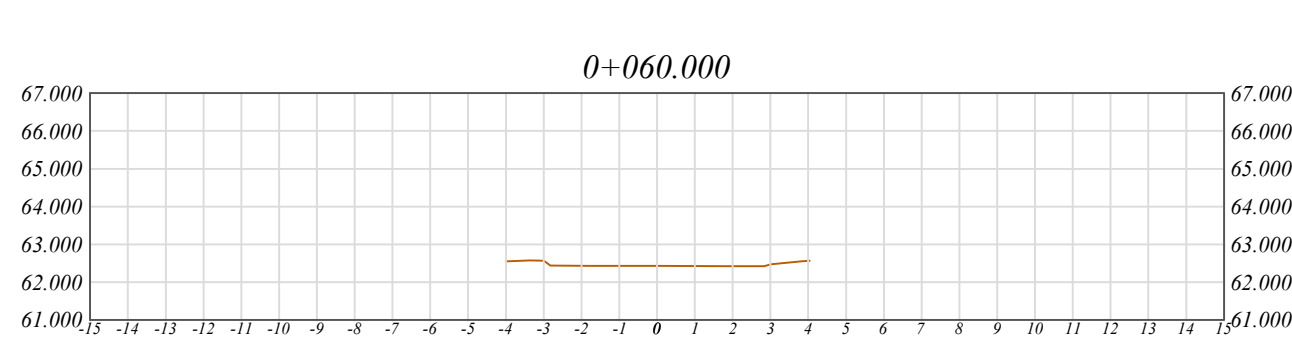
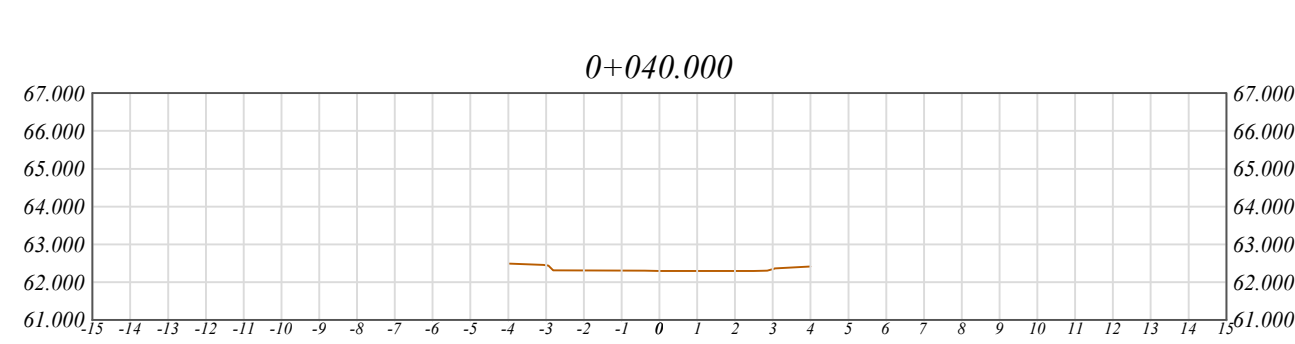
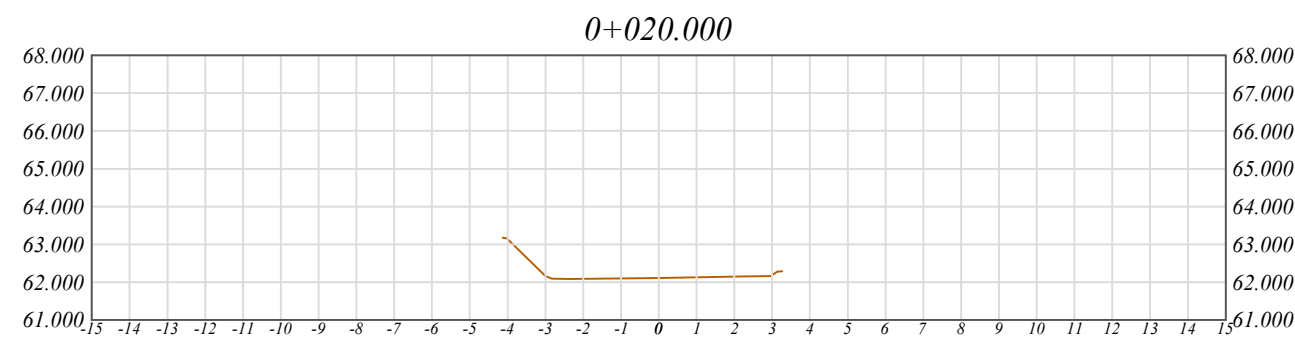
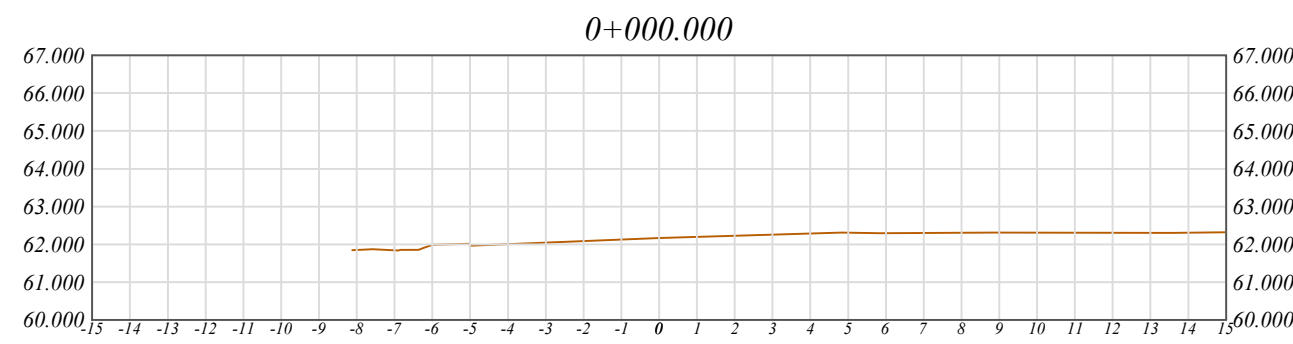




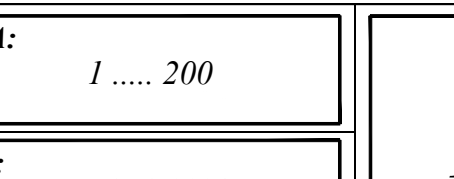
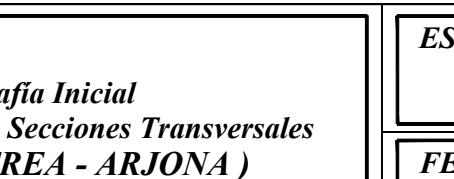
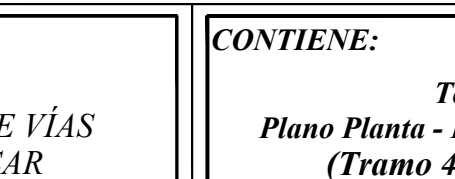
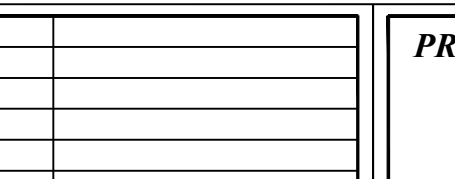
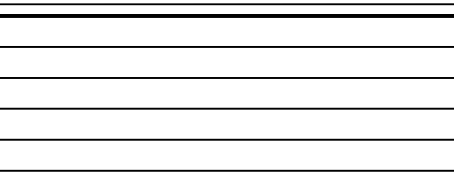
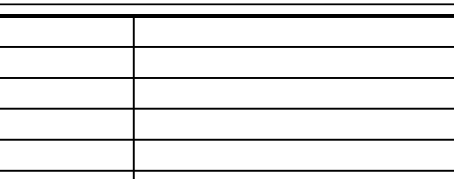
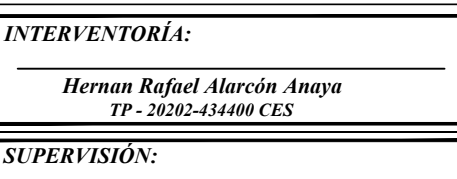
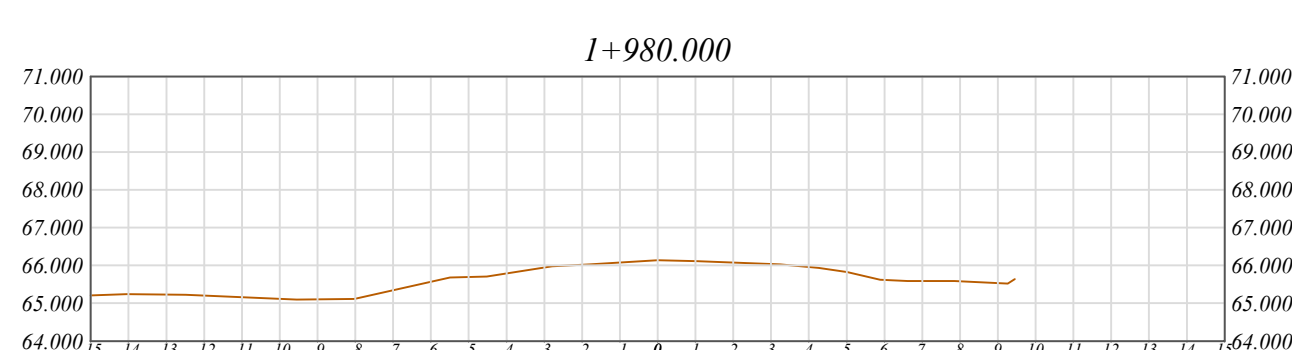
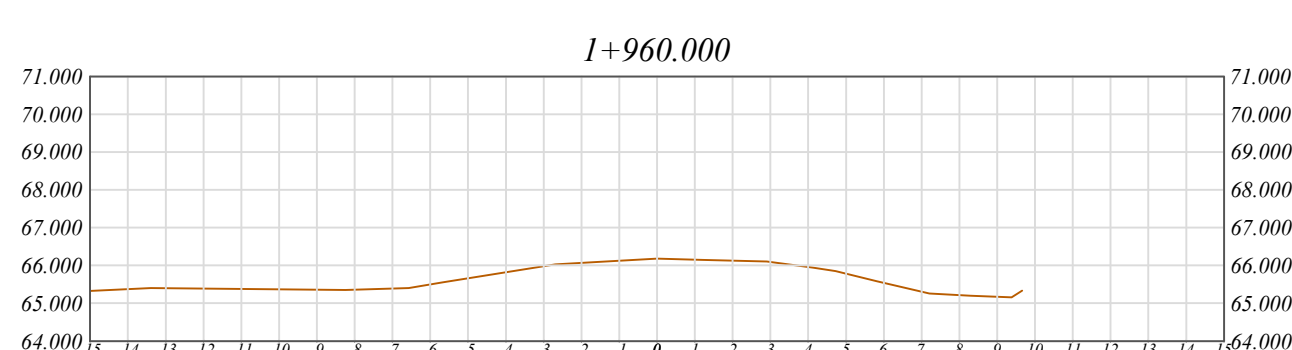
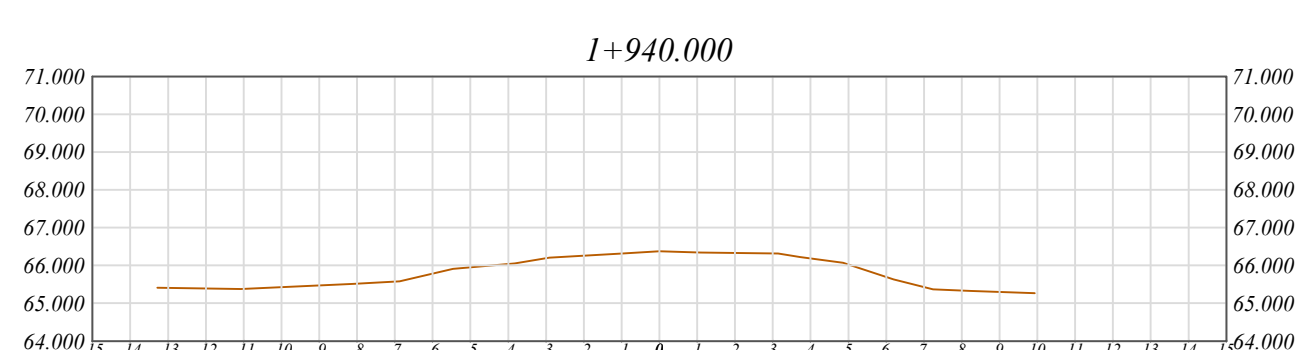
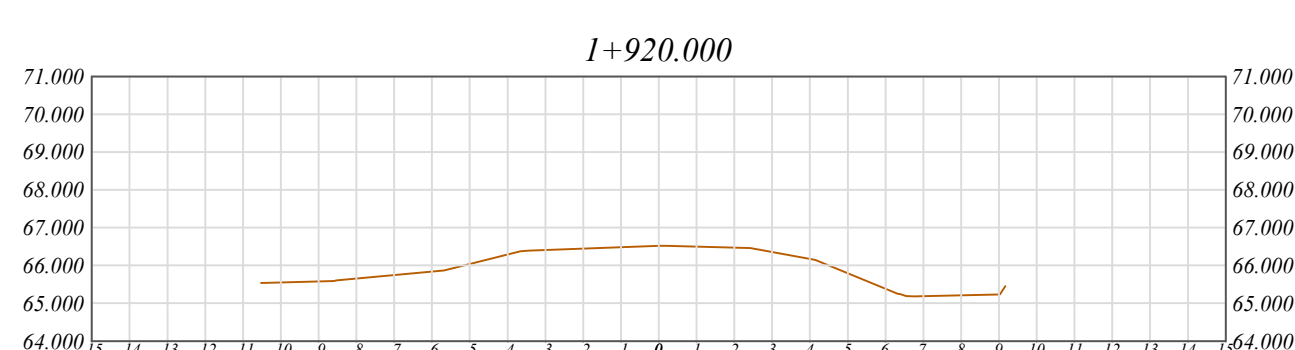
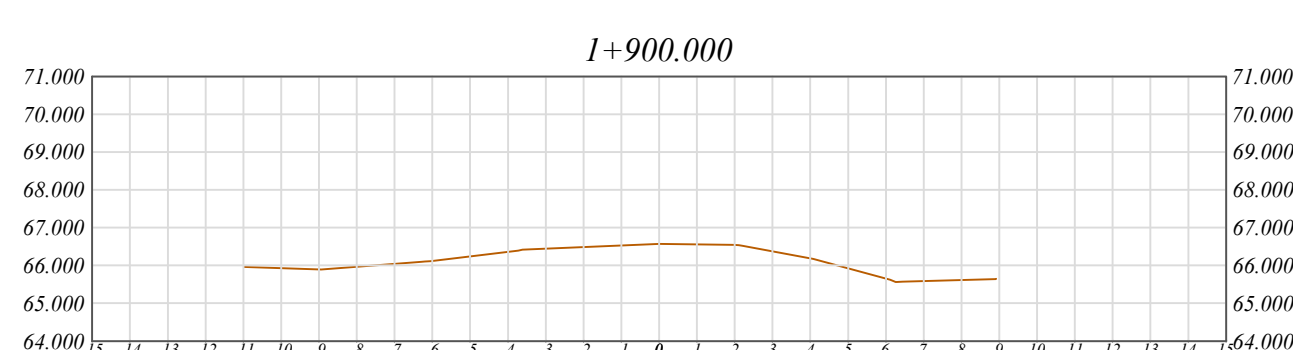
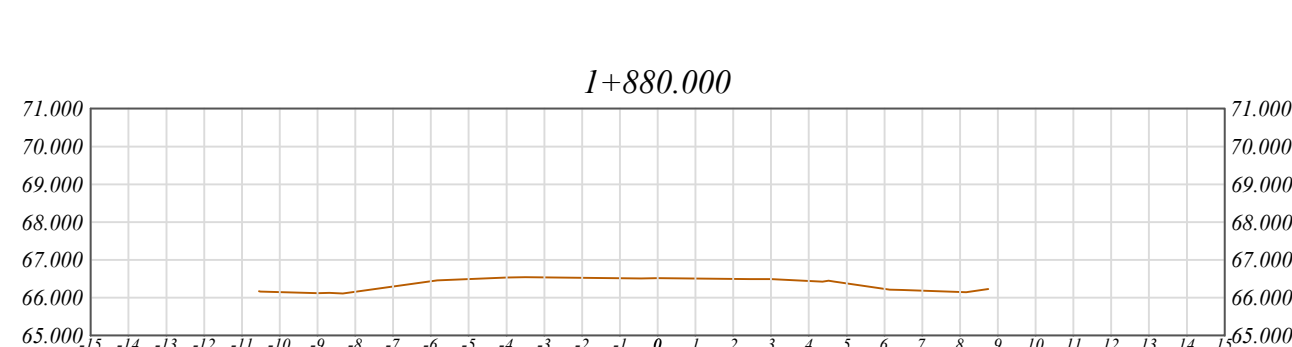
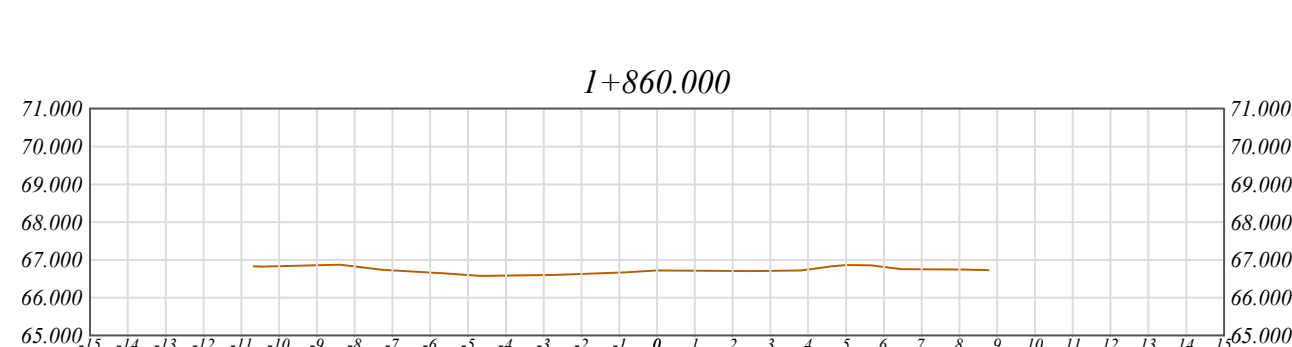
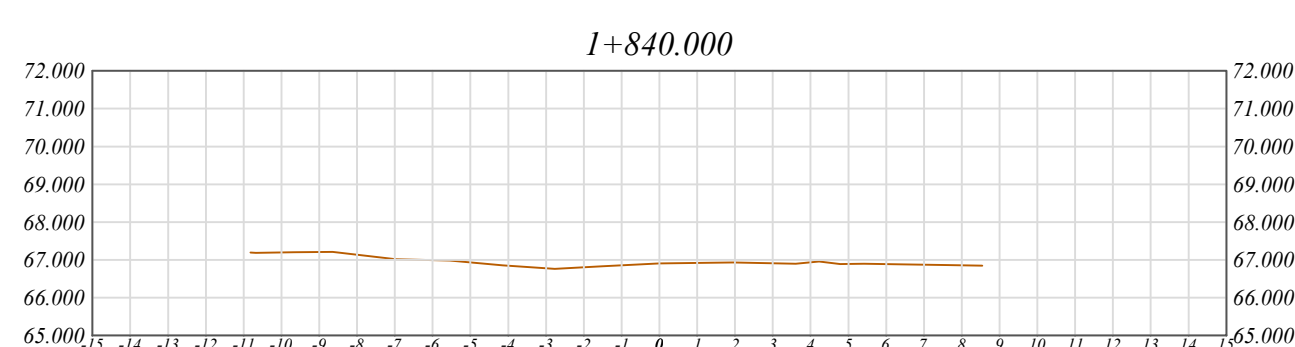
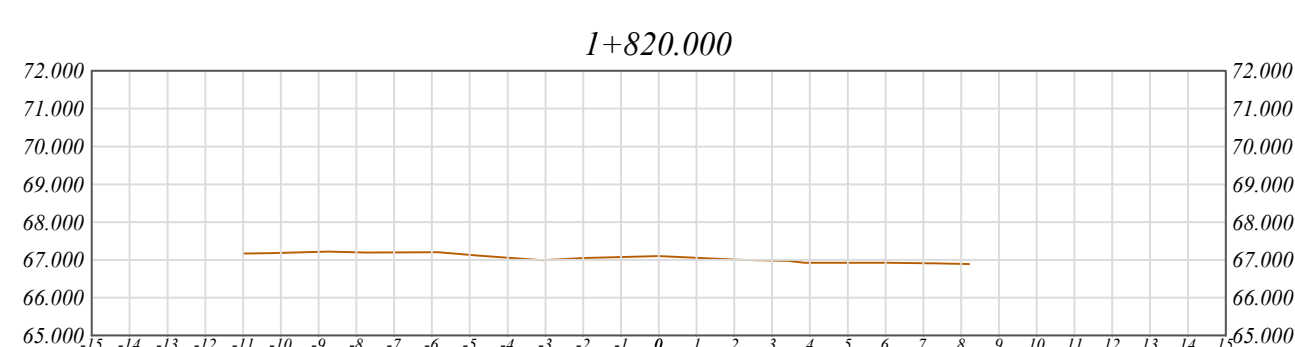
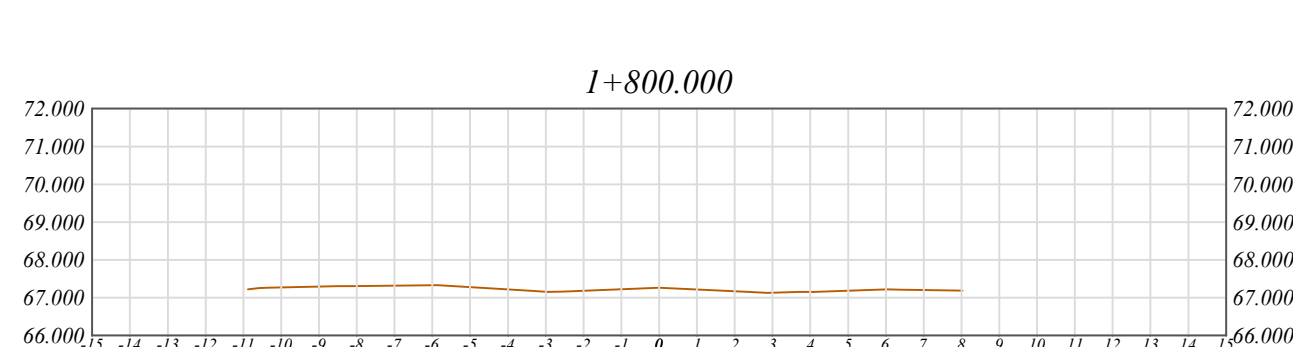
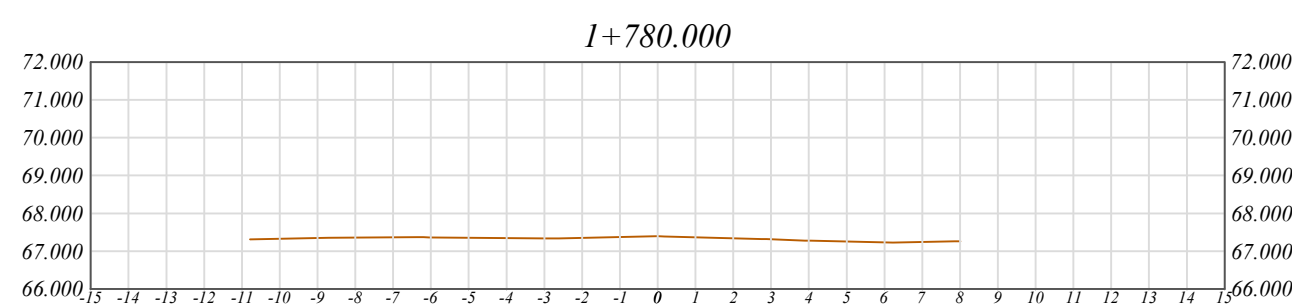
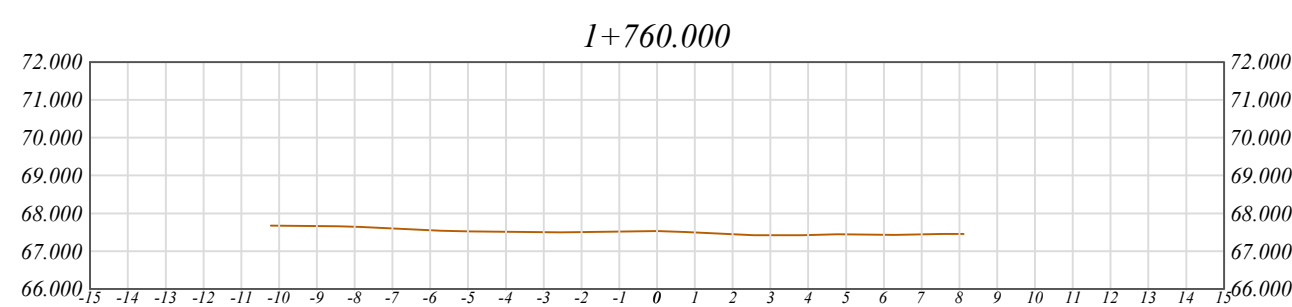
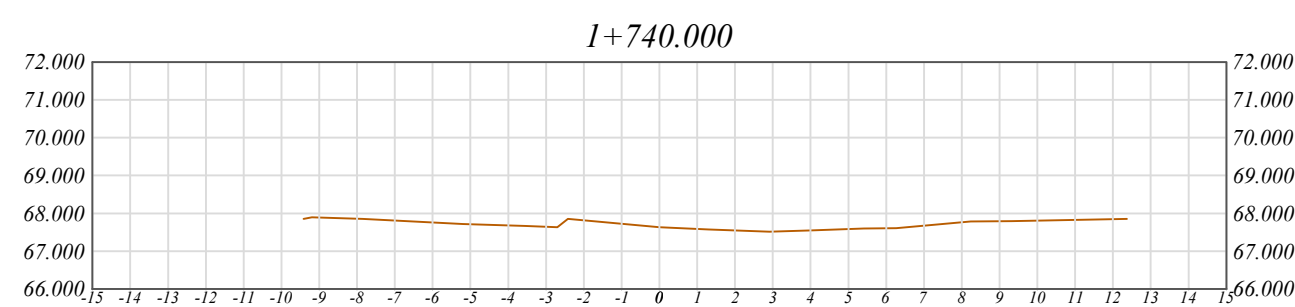
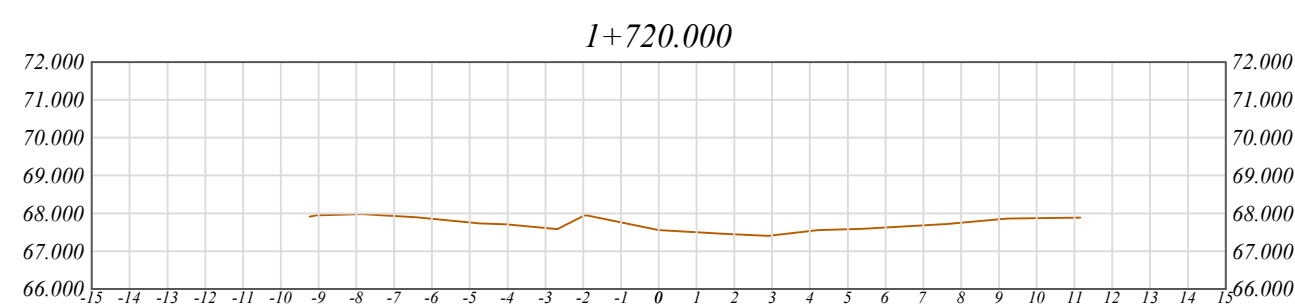
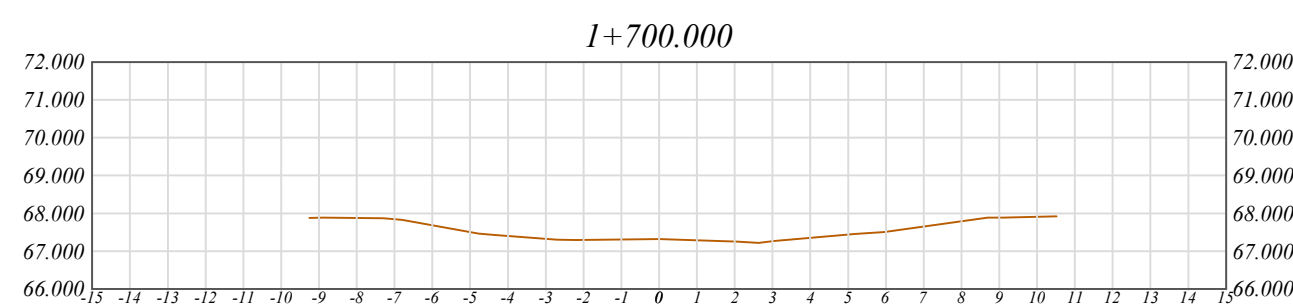
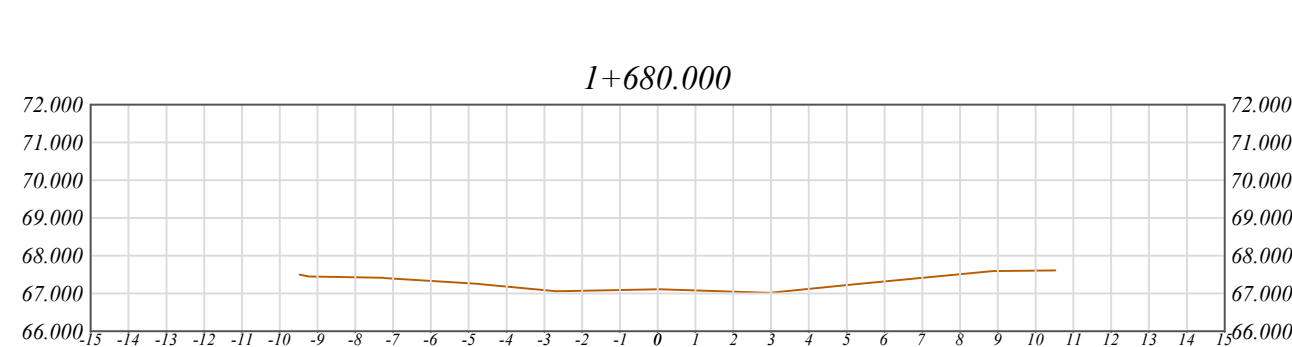
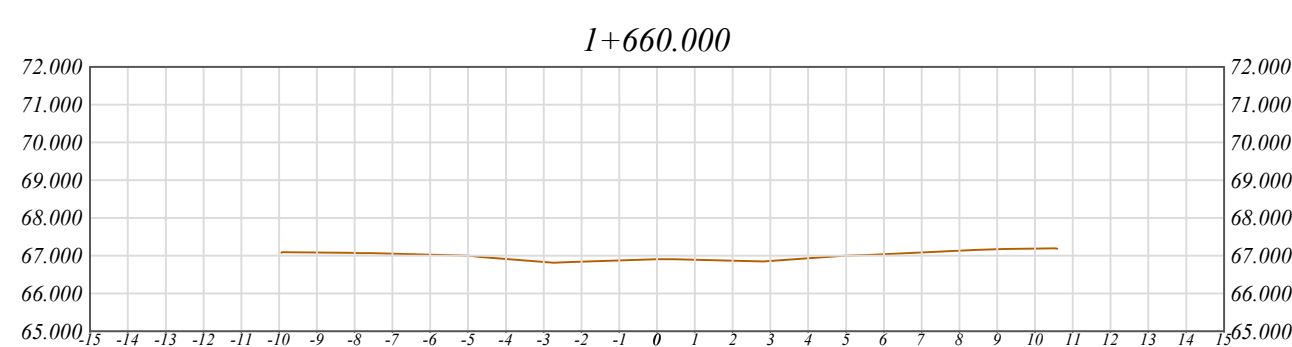
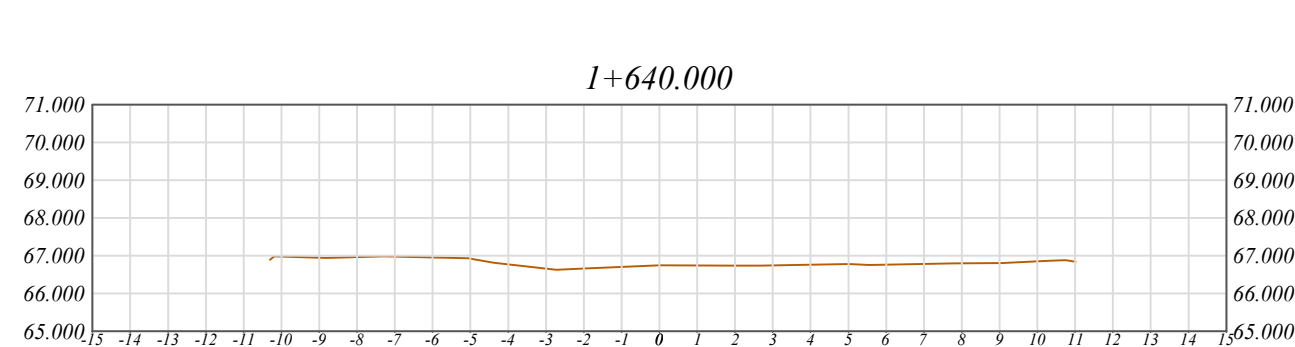
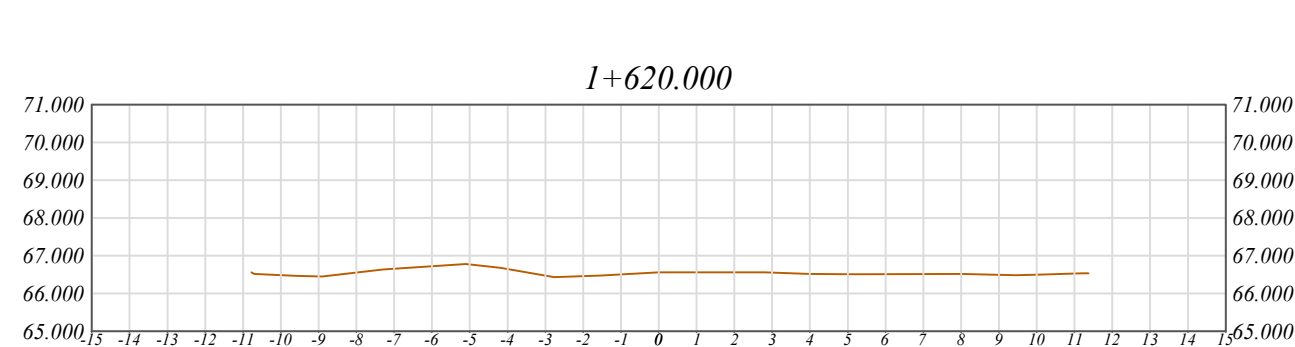
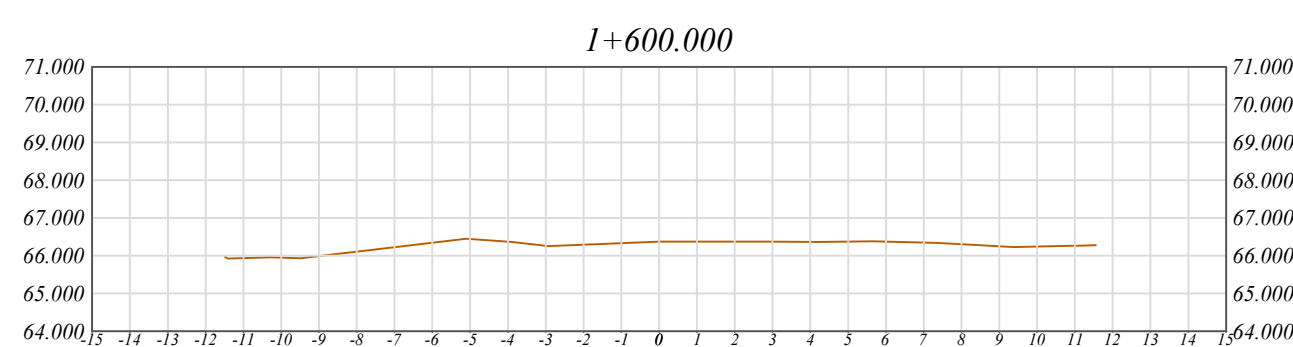
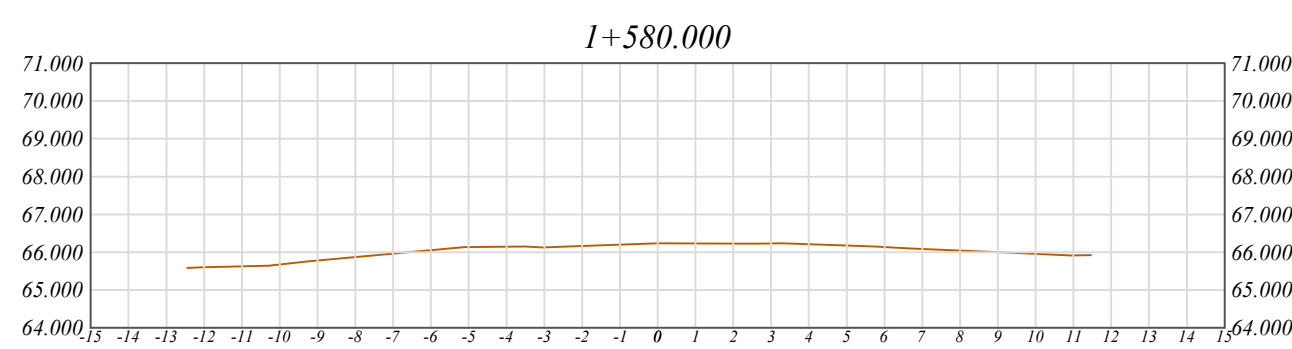
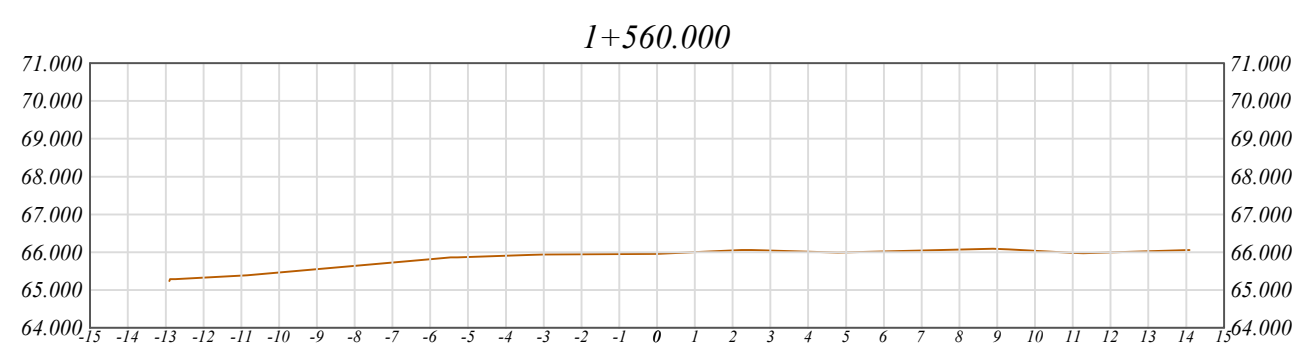
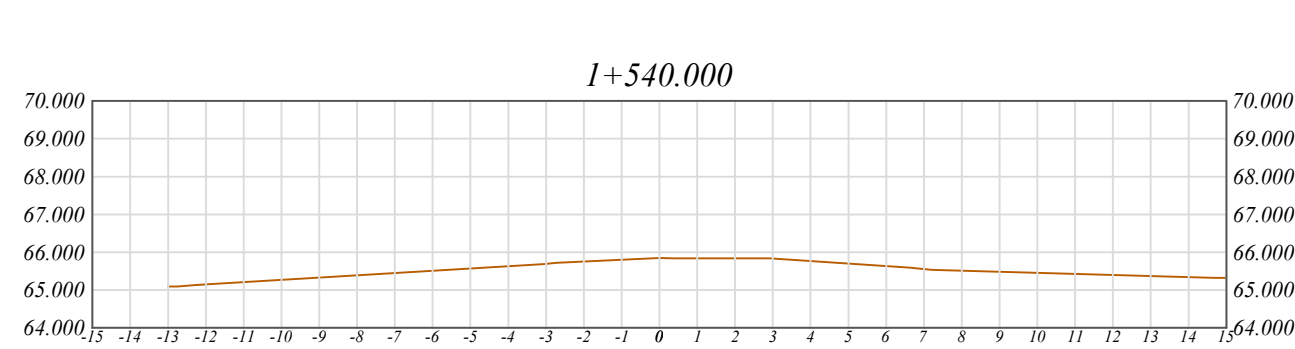
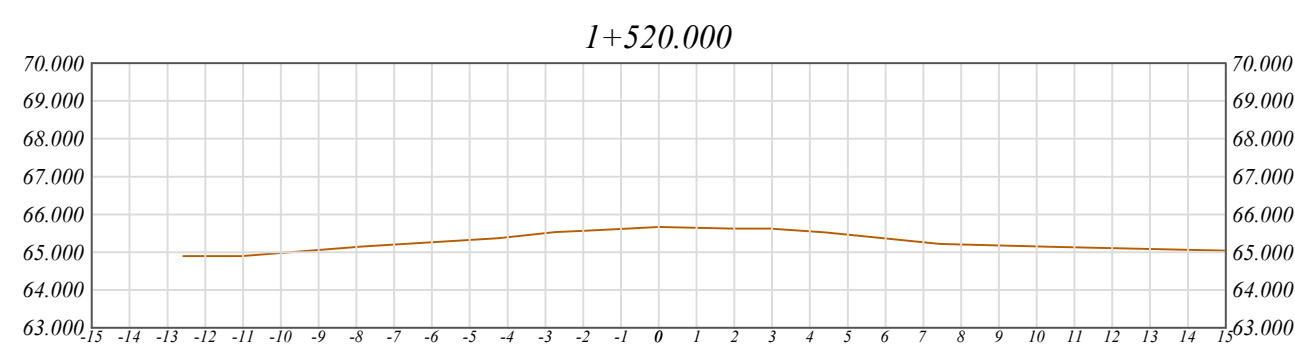
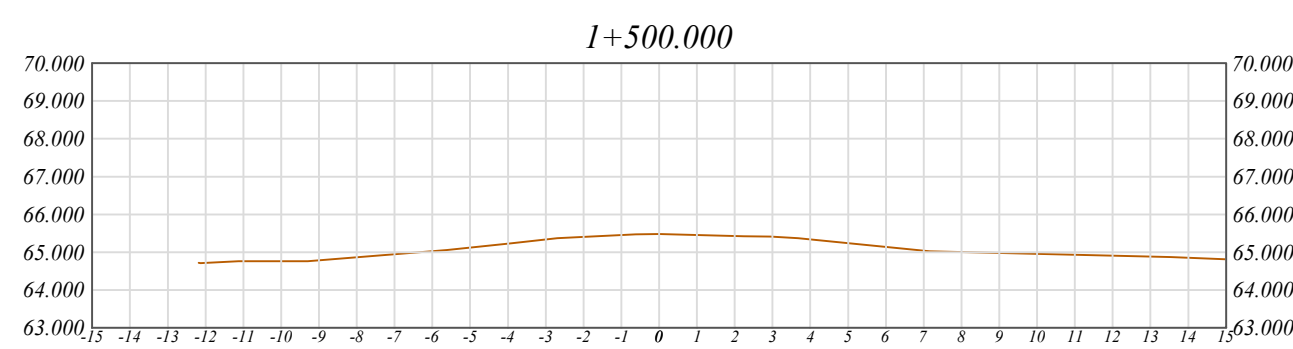
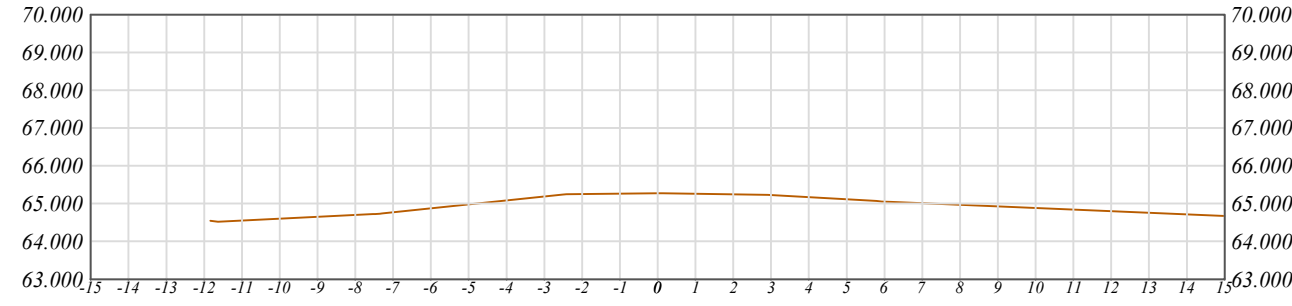
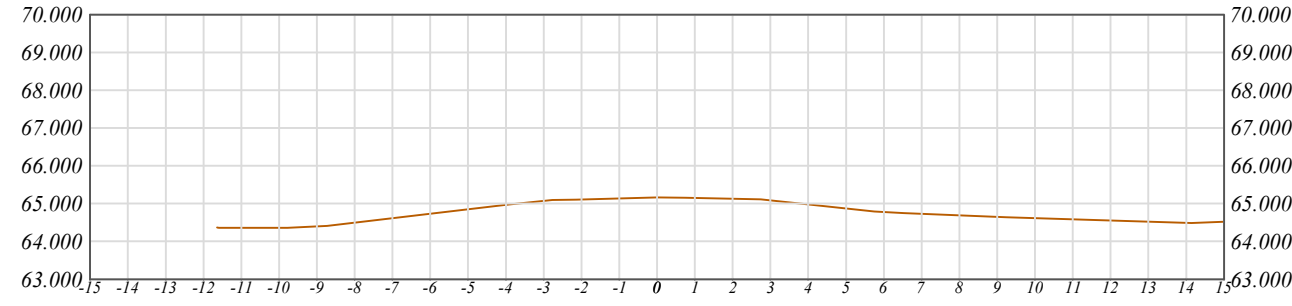
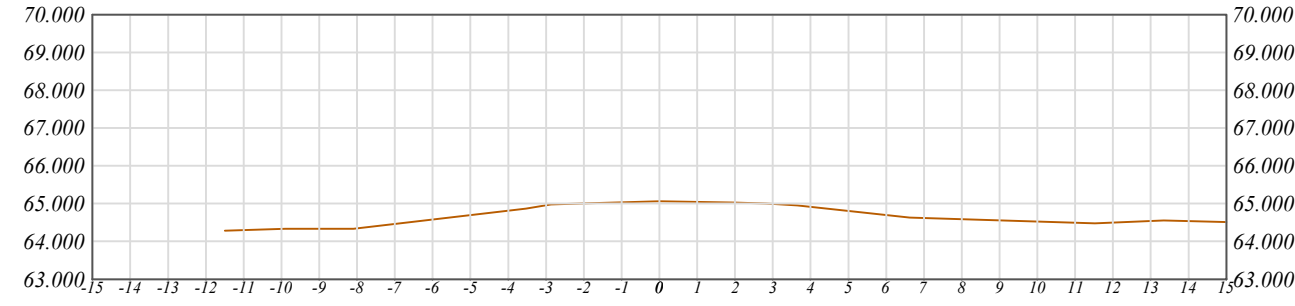
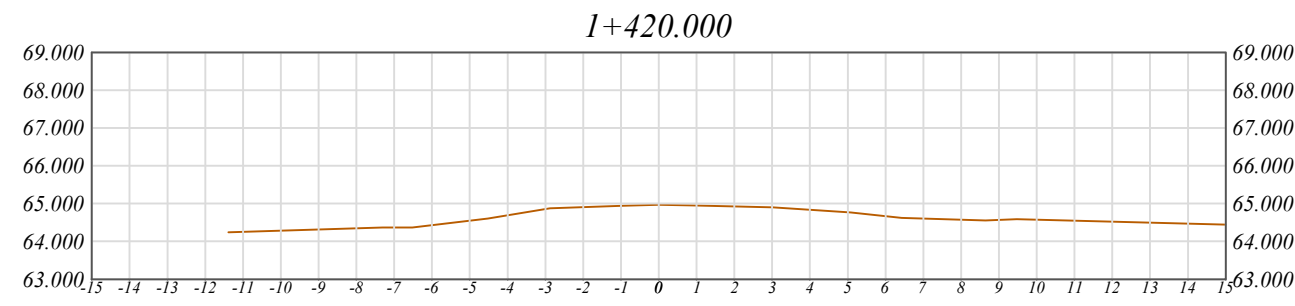
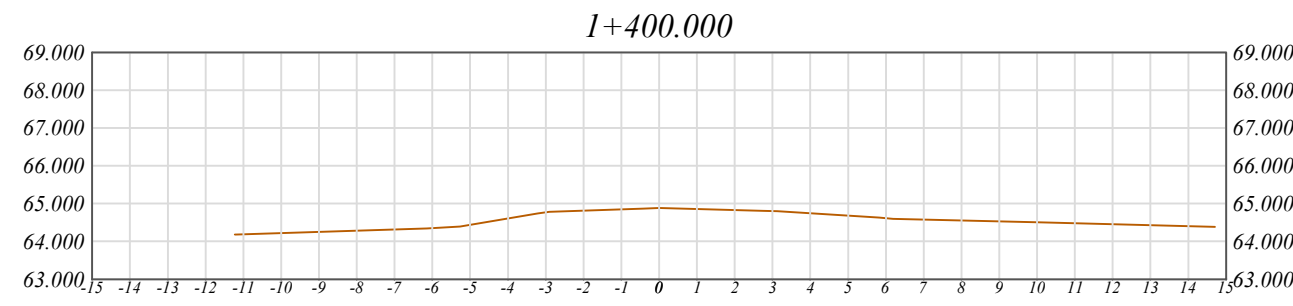
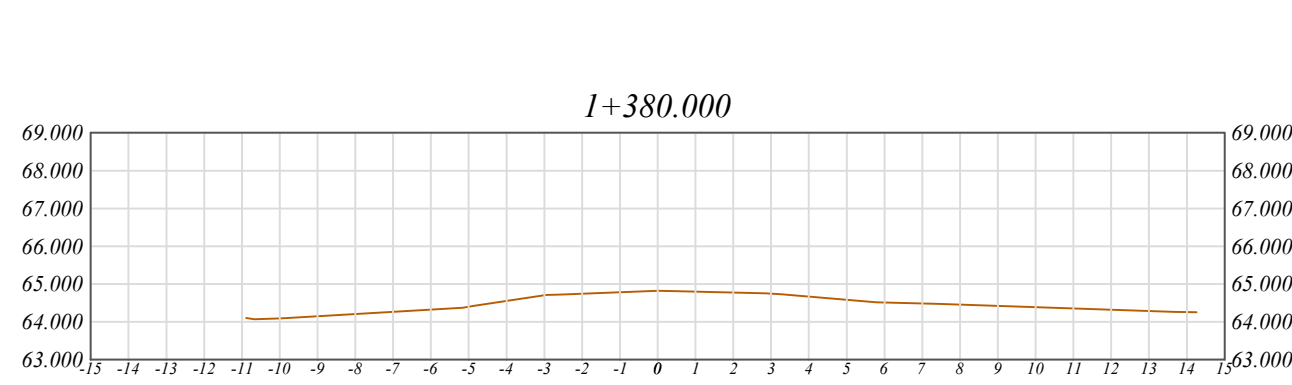
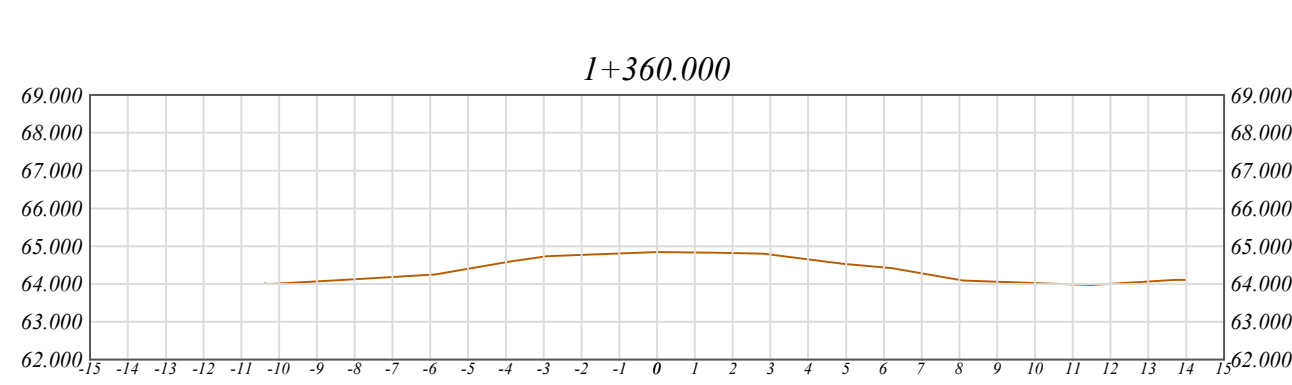
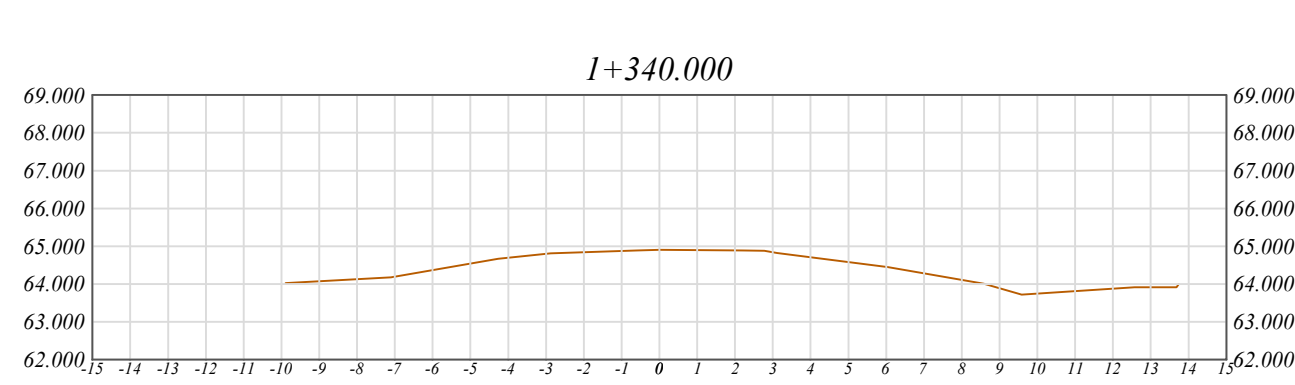
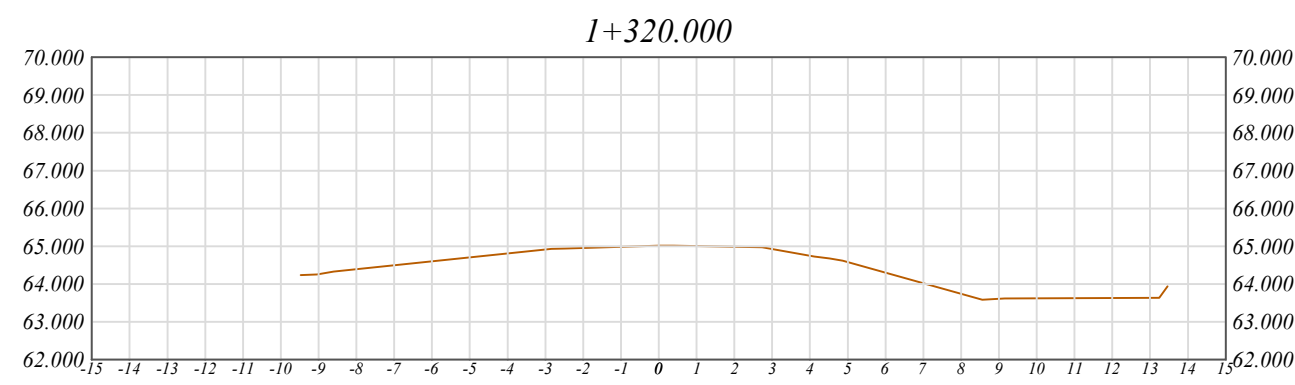
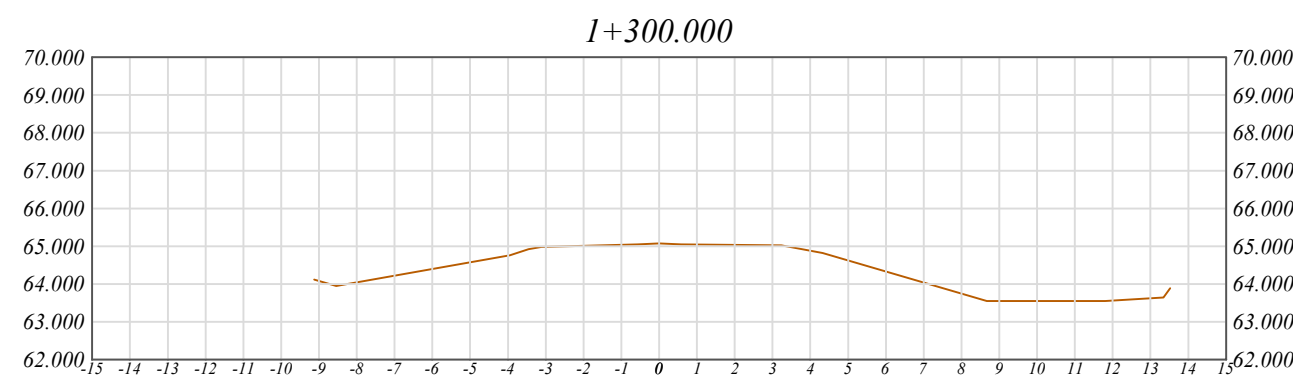
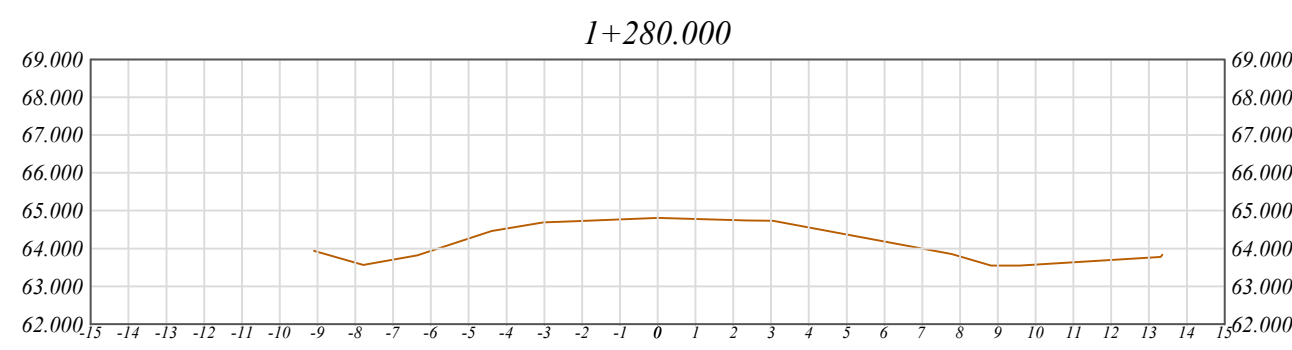
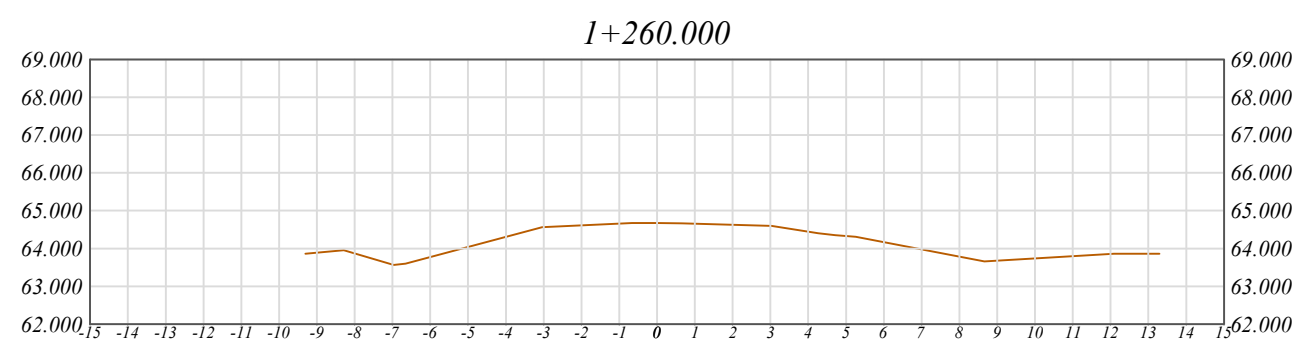
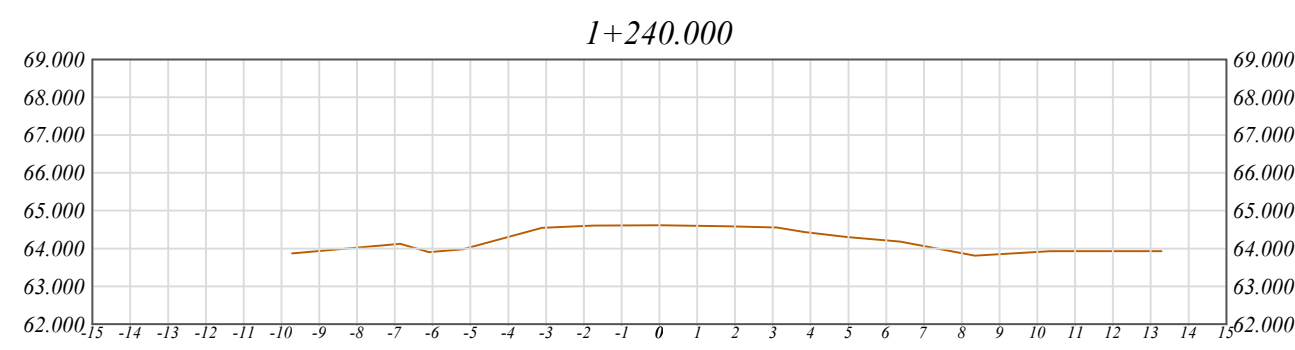
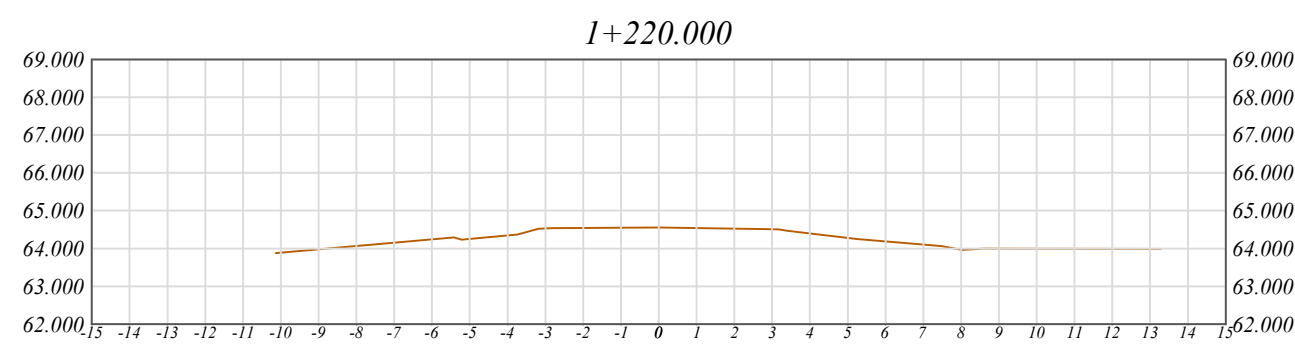
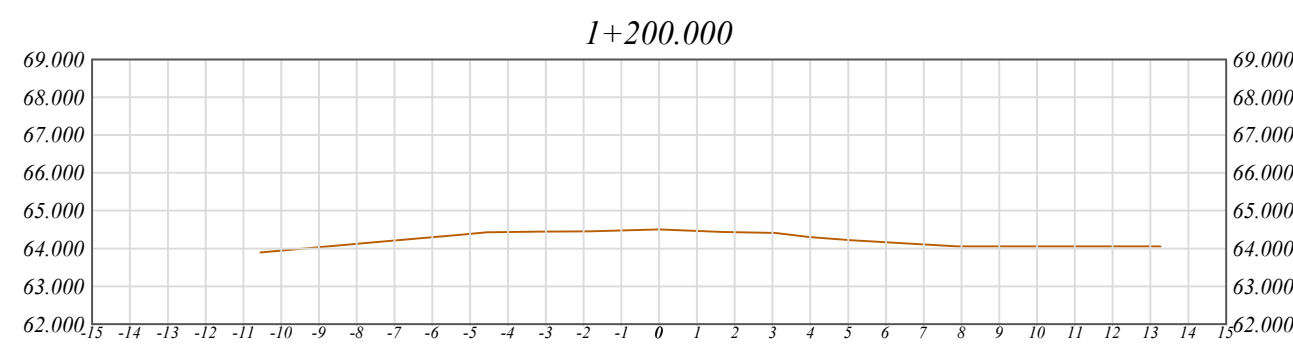
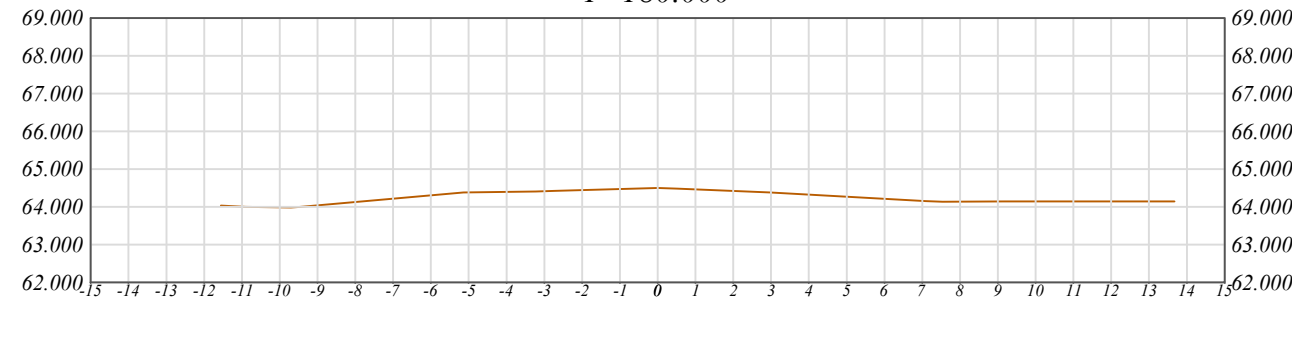
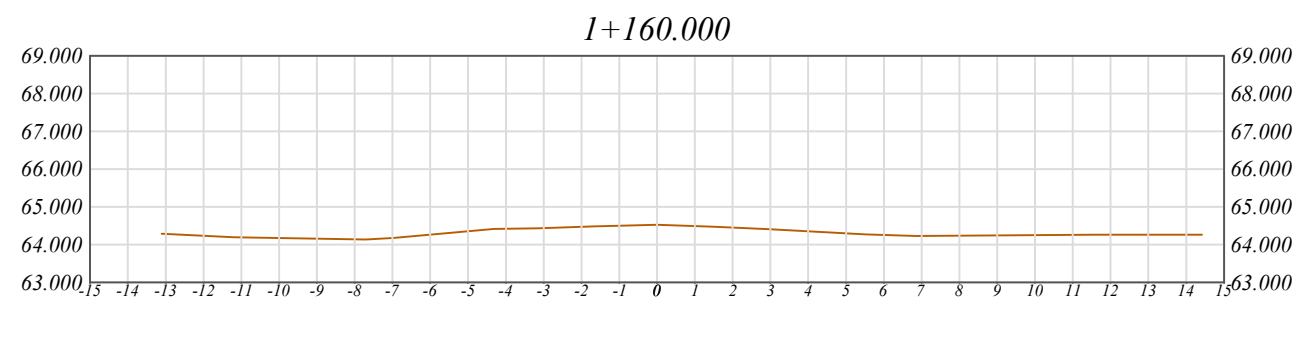
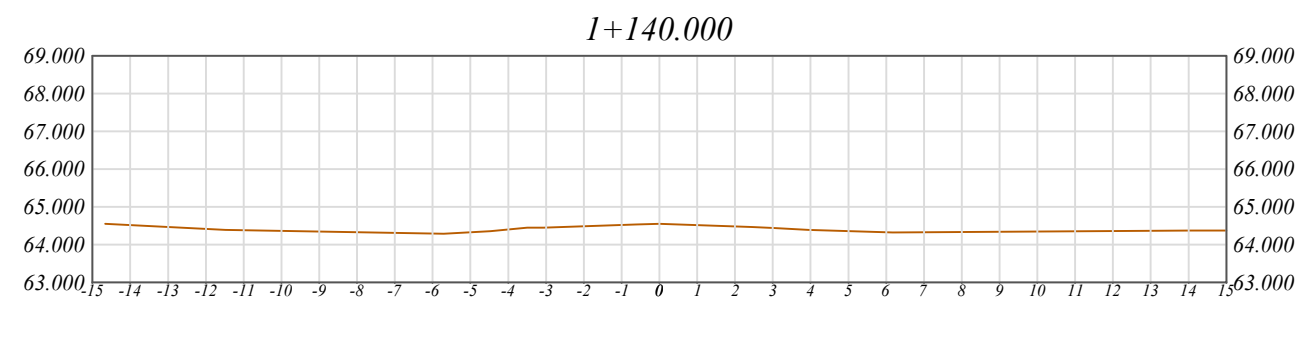
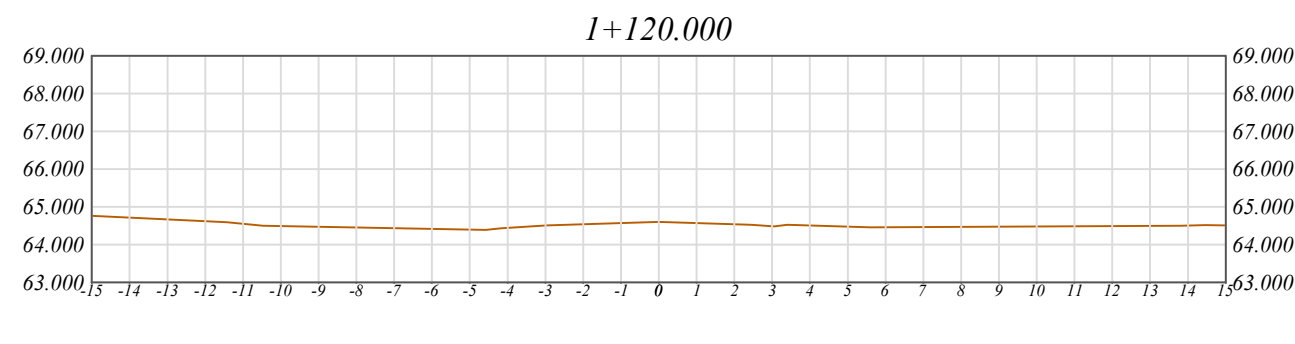
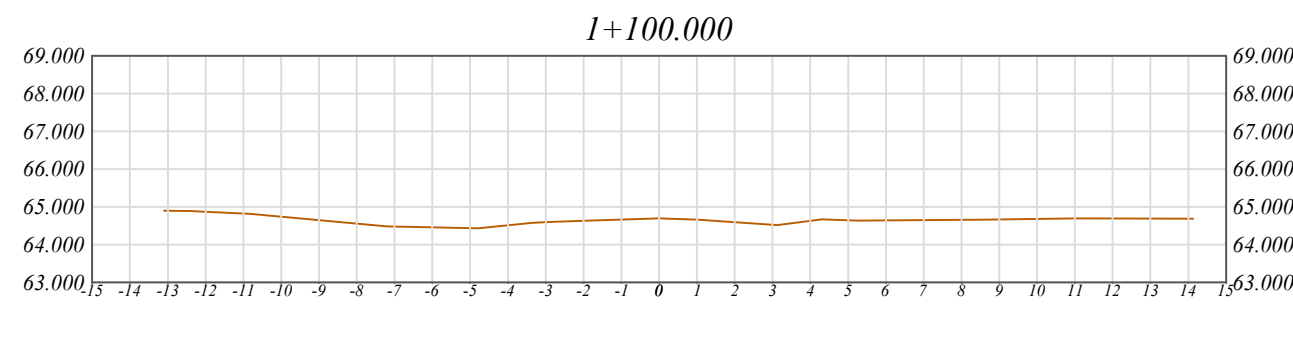
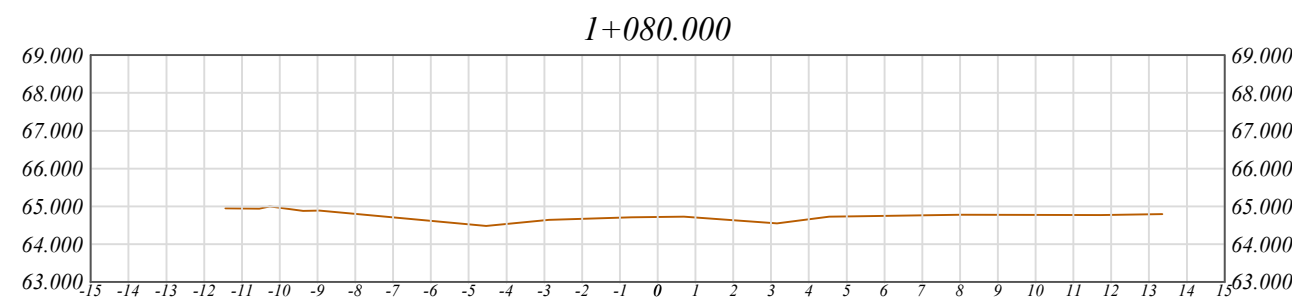
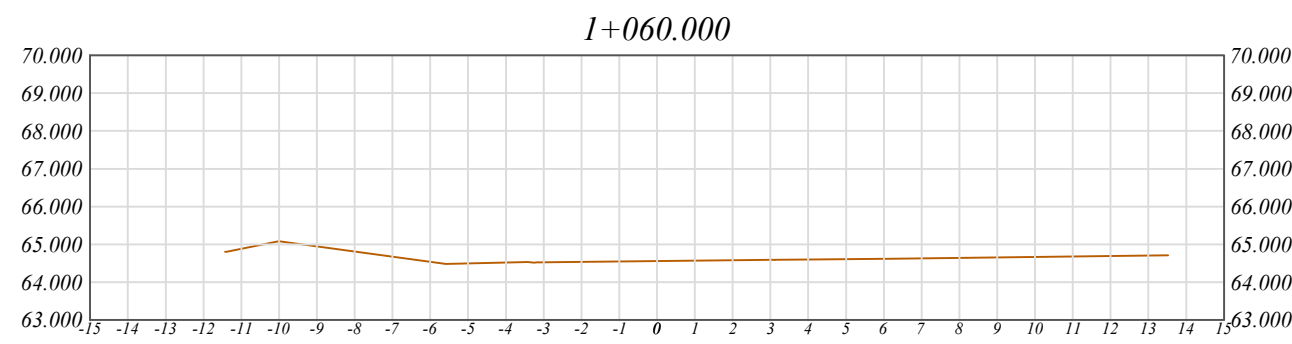
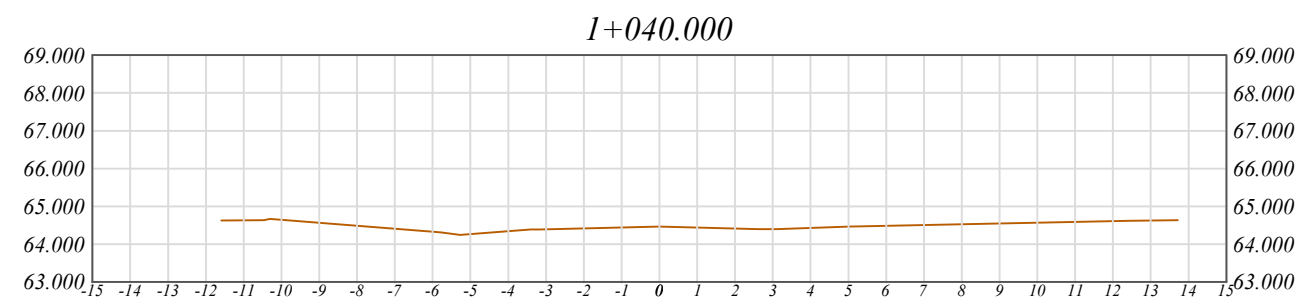
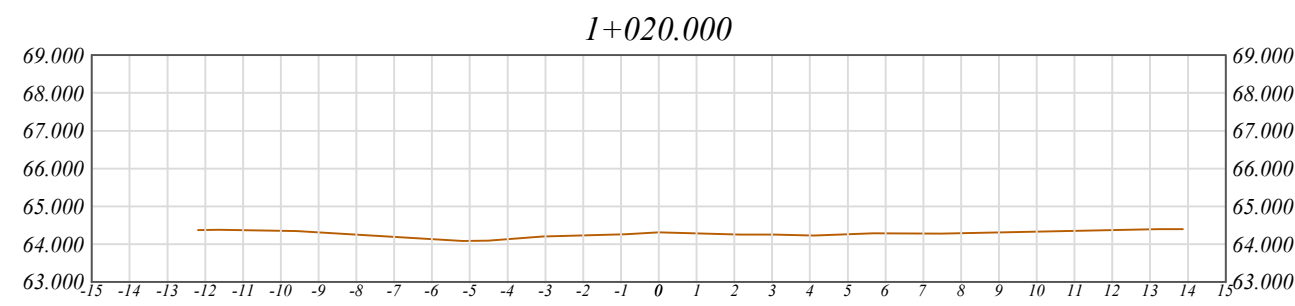
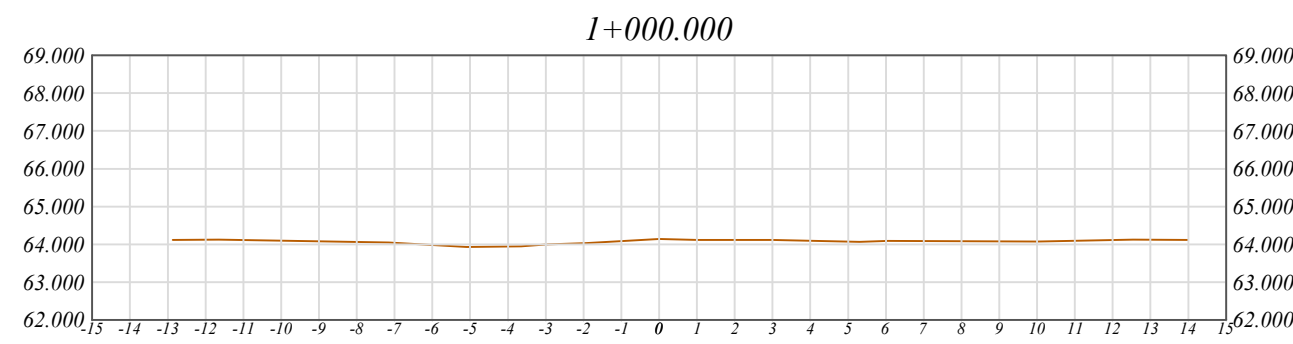












**PROYECTO:**  
ESTUDIOS Y DISEÑOS PARA LA REHABILITACIÓN Y PAVIMENTACIÓN DE VÍAS  
SECUNDARIAS Y TERCIARIAS 2020, EN EL DEPARTAMENTO DEL CESAR

**CONTIENE:**  
Topografía Inicial  
Plano Planta - Perfil, Secciones Transversales  
(Tramo 4 ASTREA - ARJONA)

**ESCALA:**  
1 ..... 200  
**FECHA:**  
MAYO 2021

**PLANO:**  
11 / 18

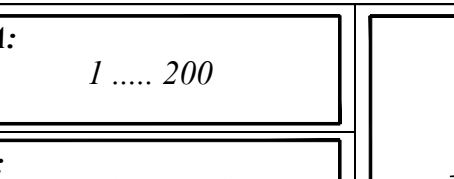
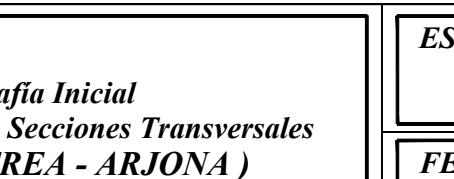
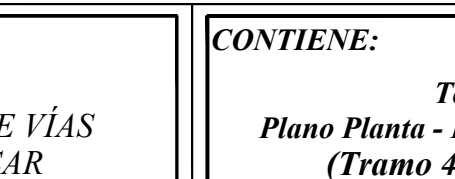
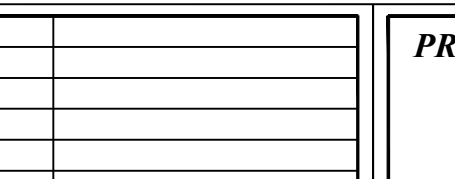
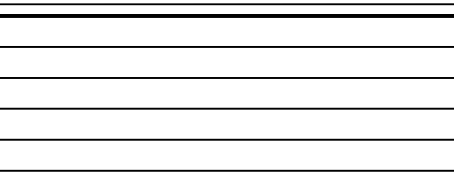
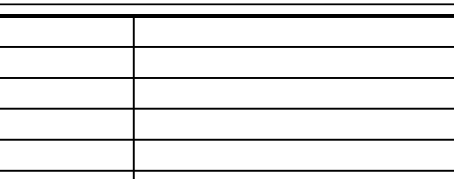
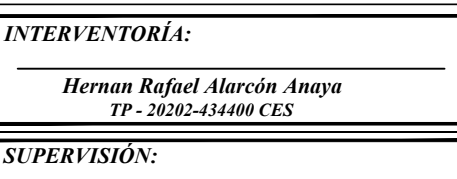
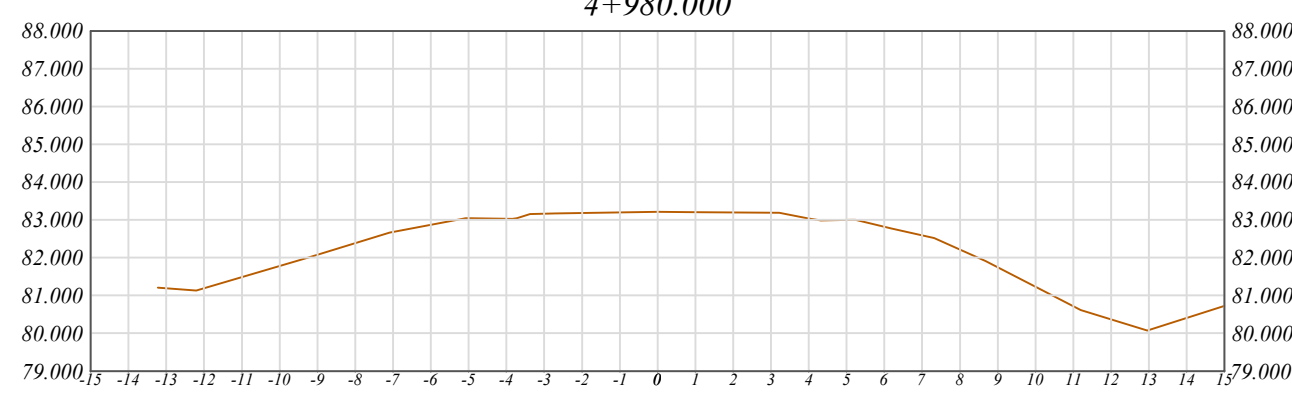
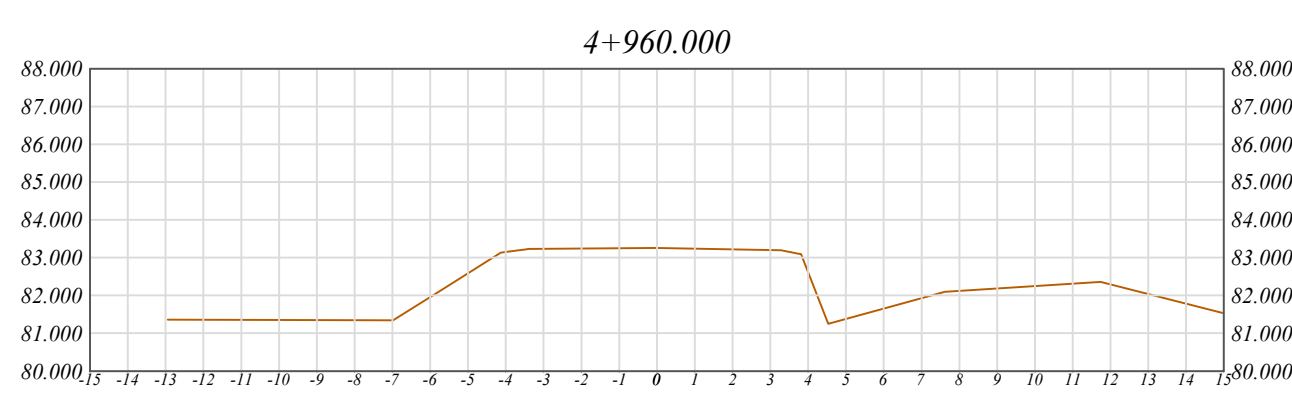
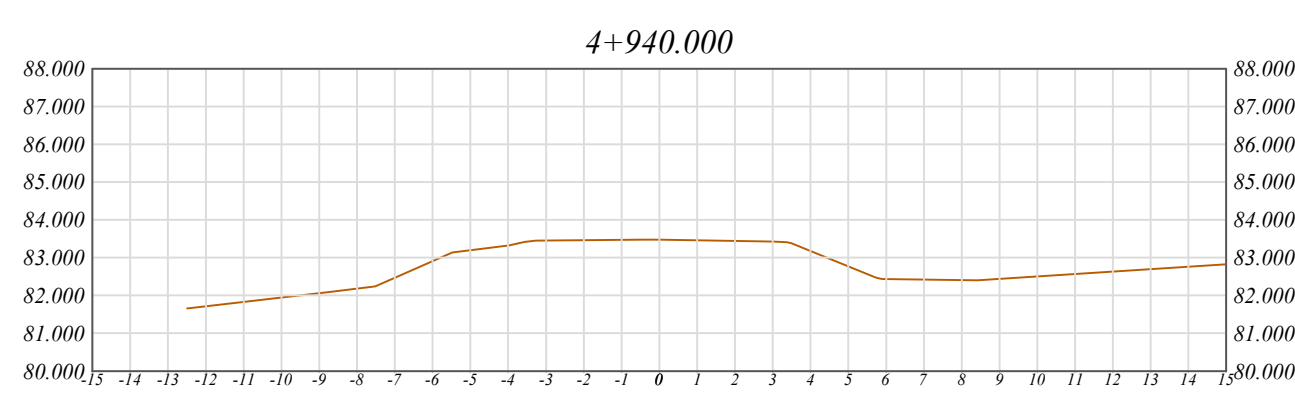
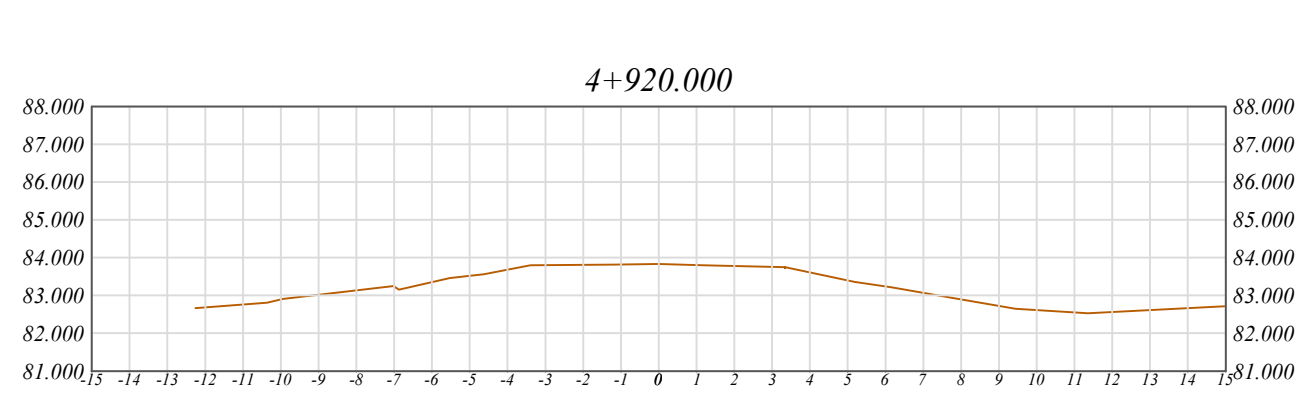
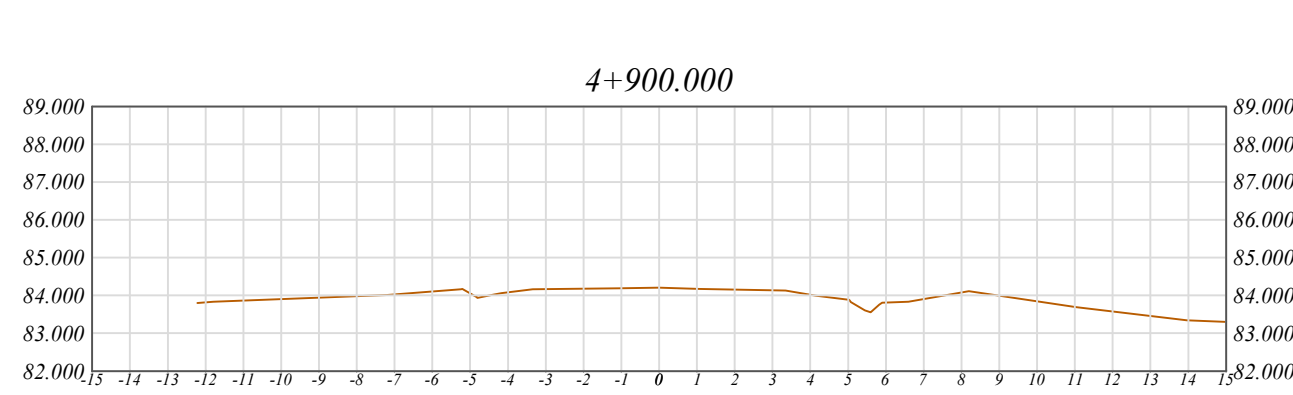
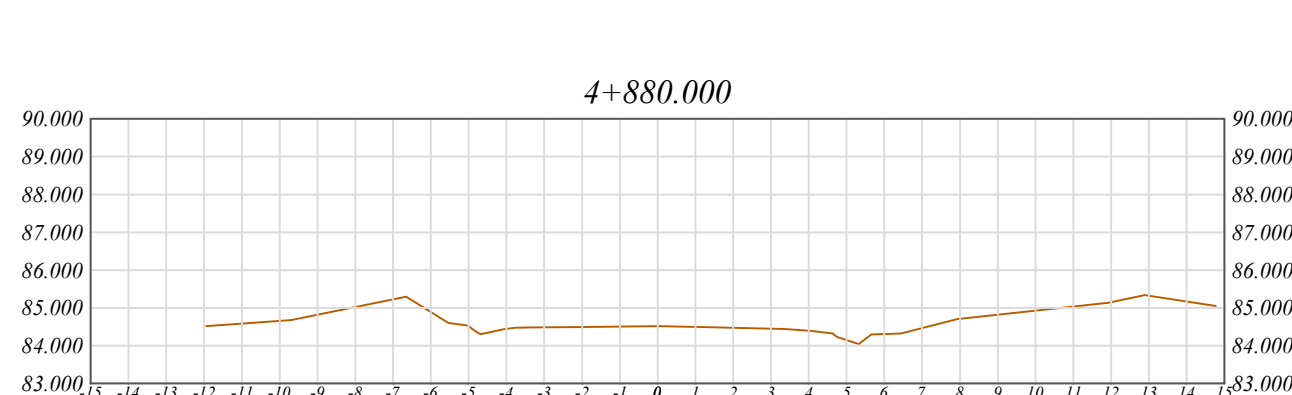
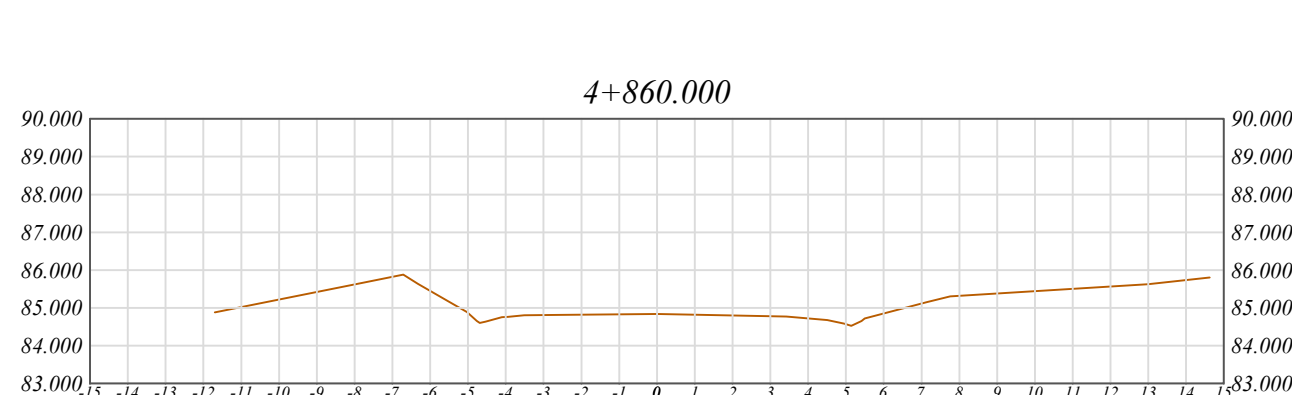
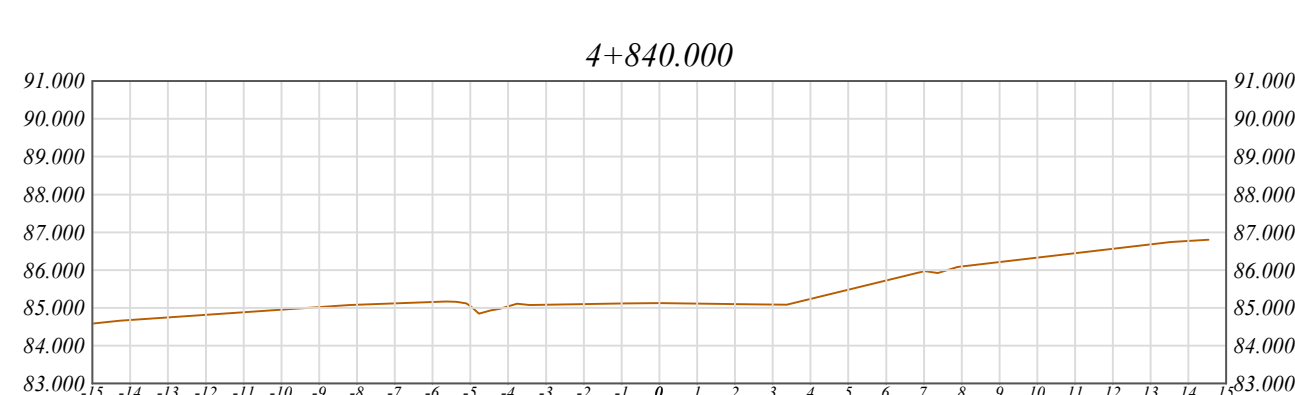
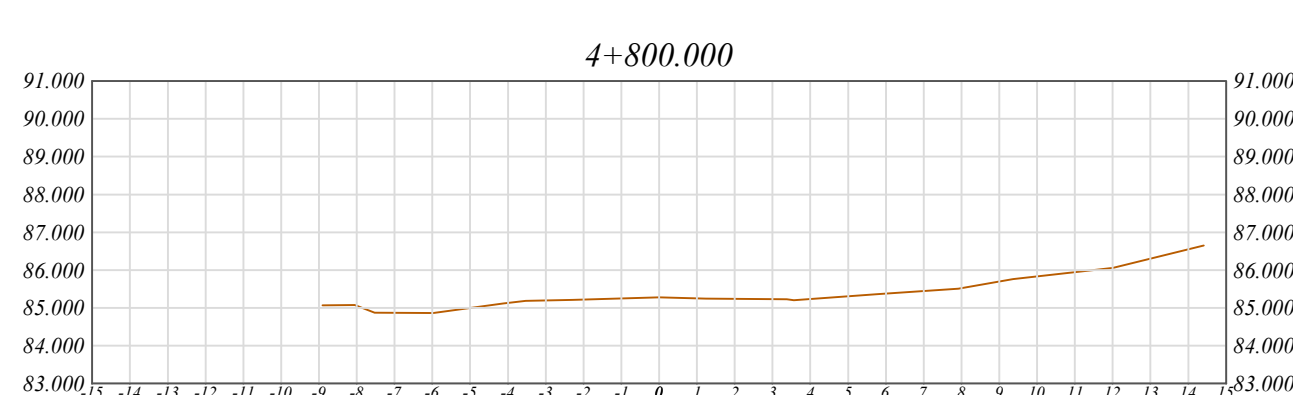
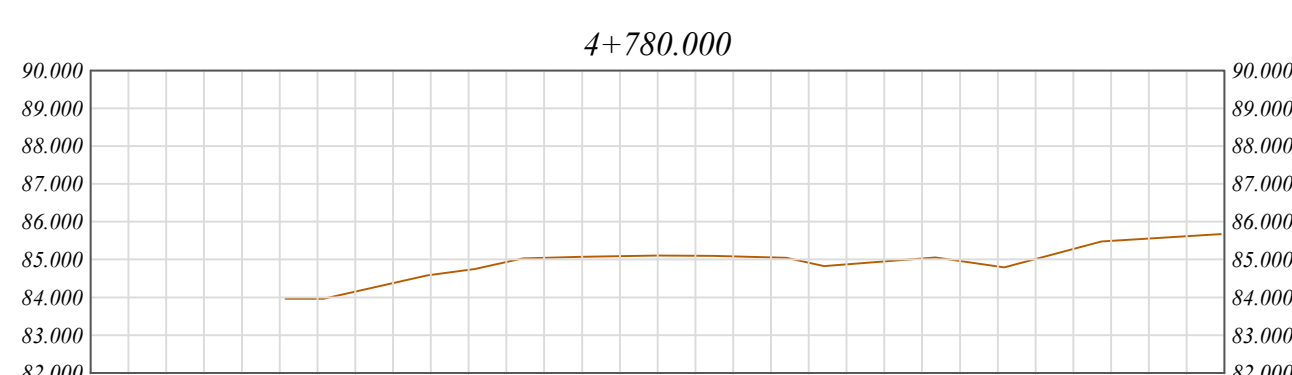
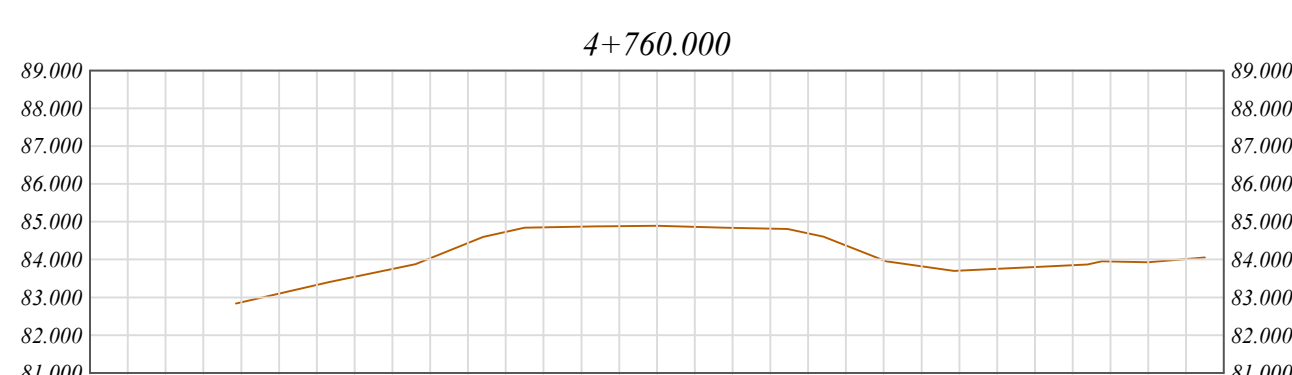
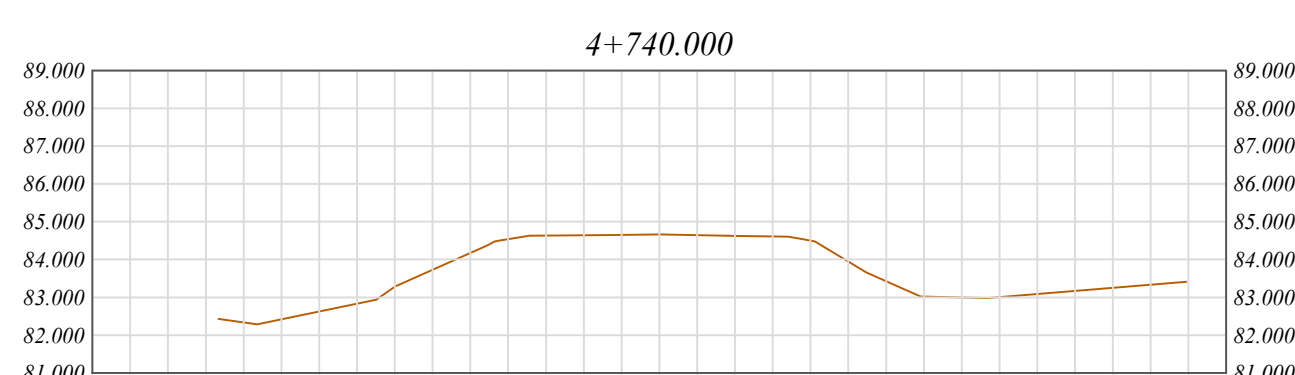
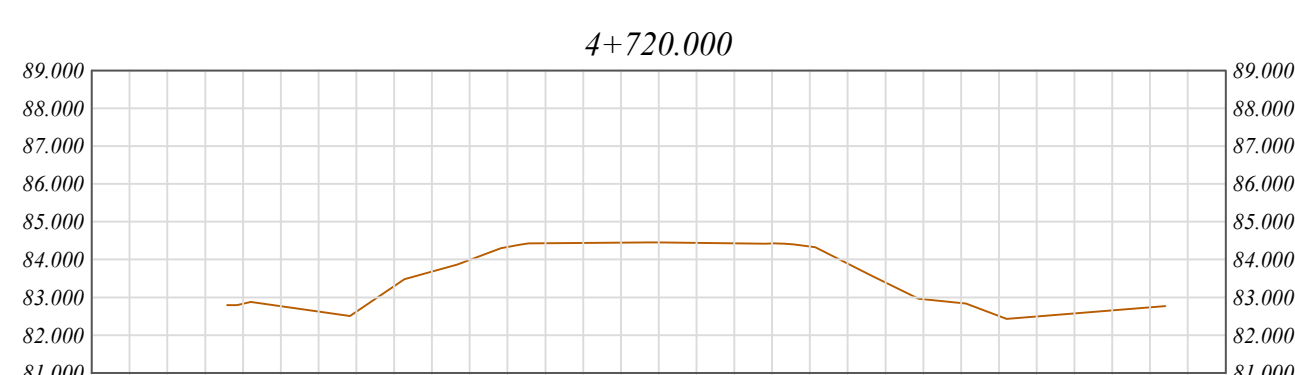
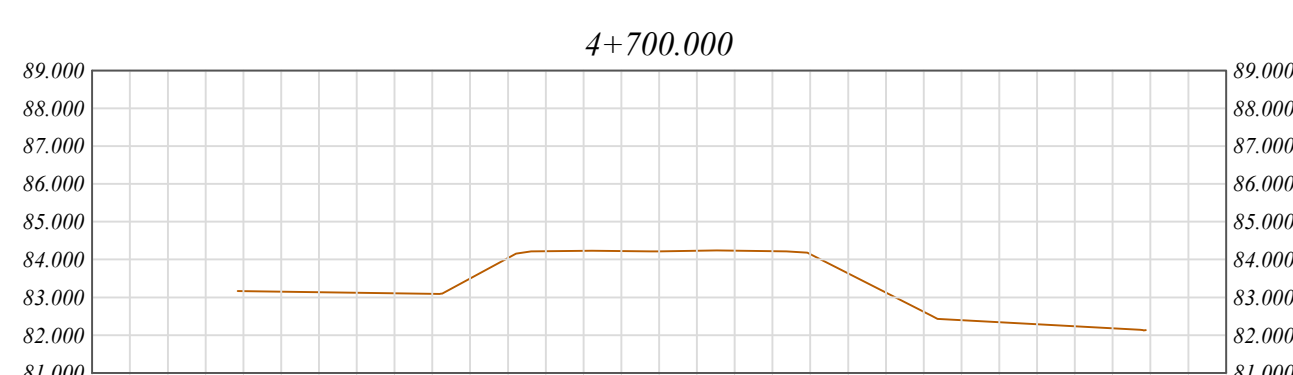
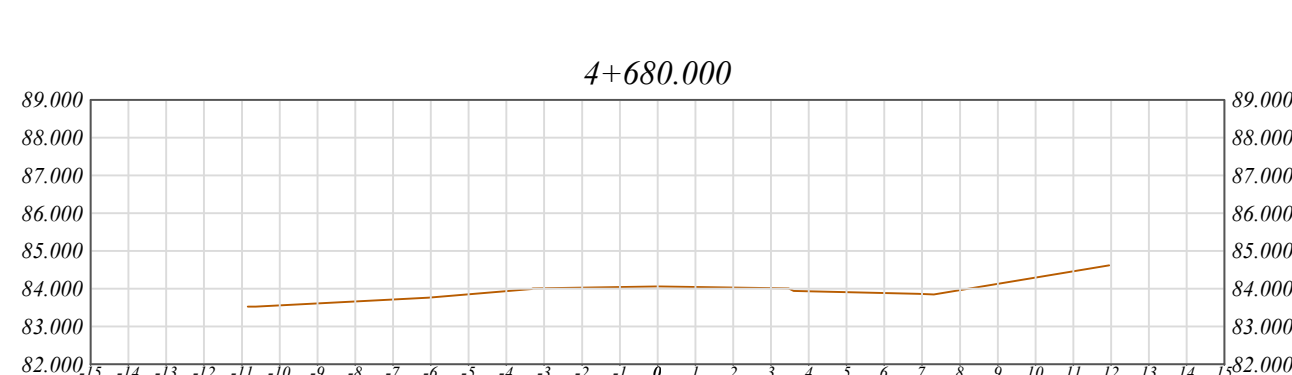
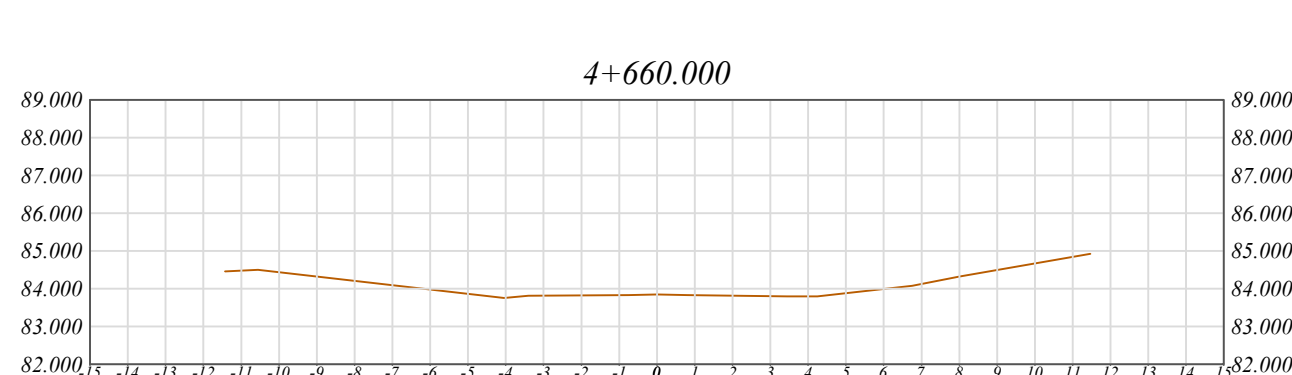
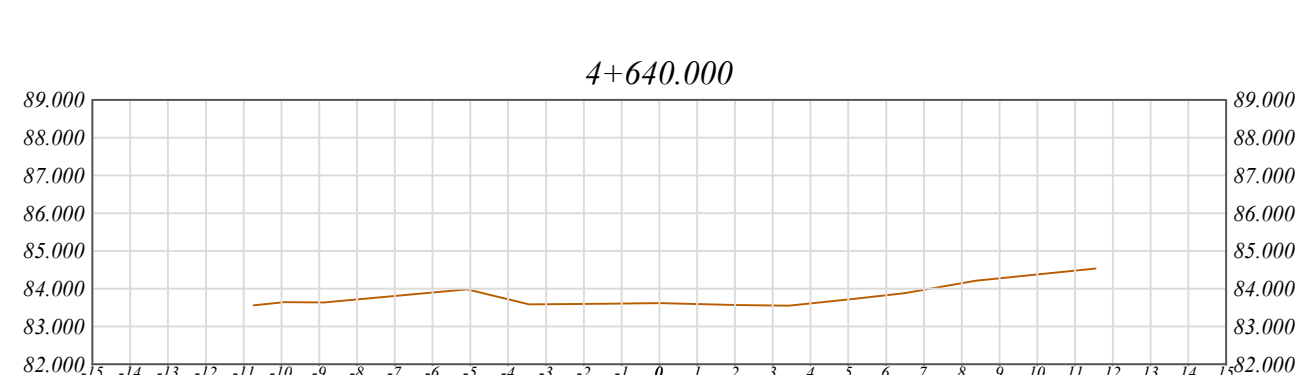
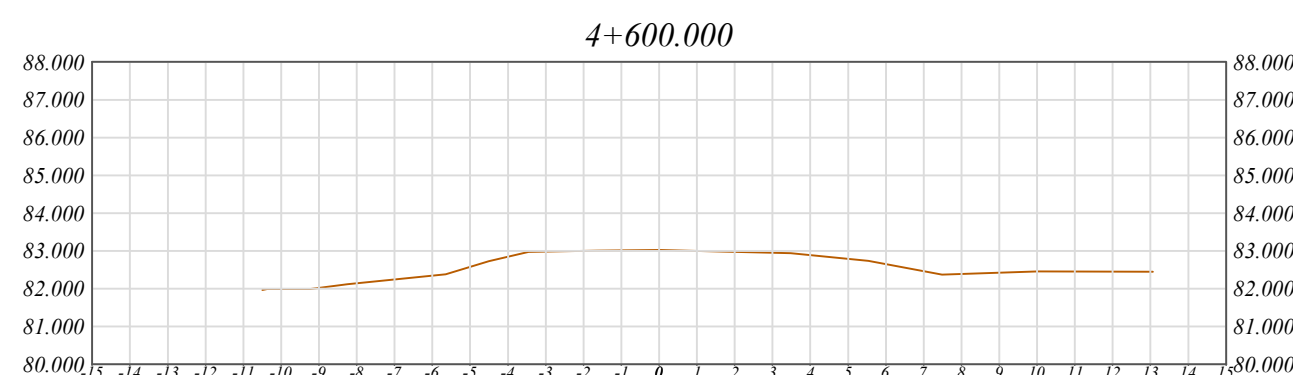
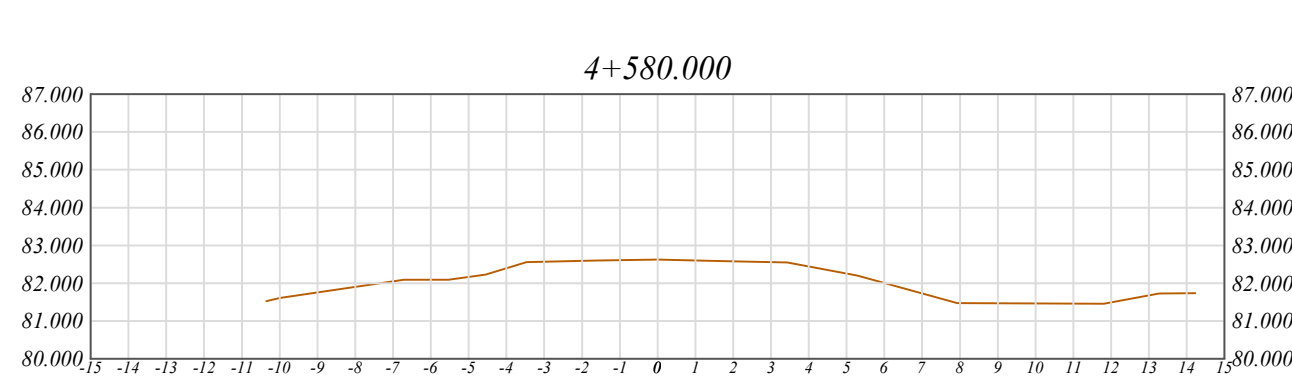
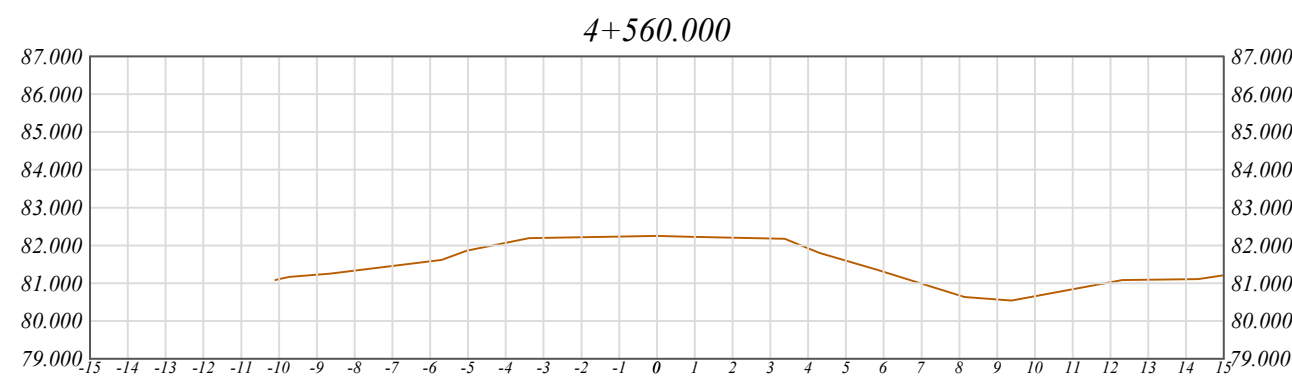
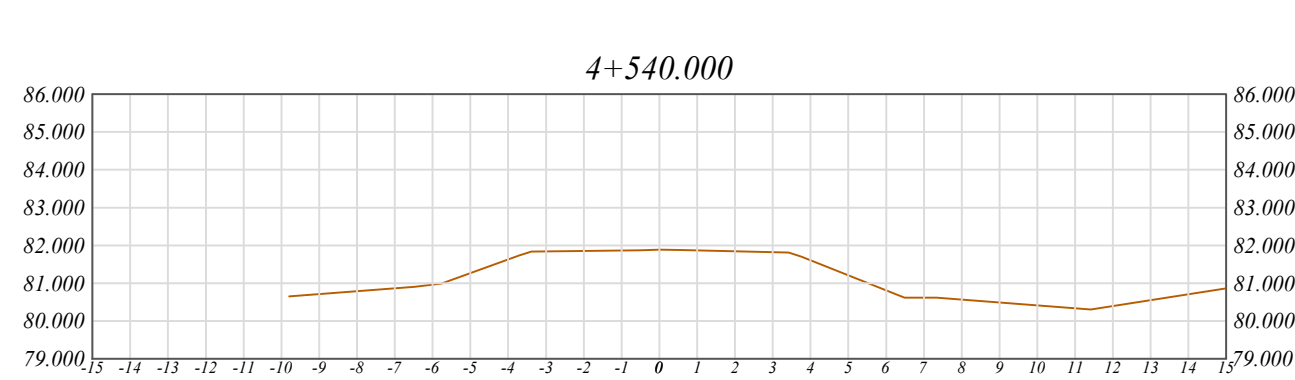
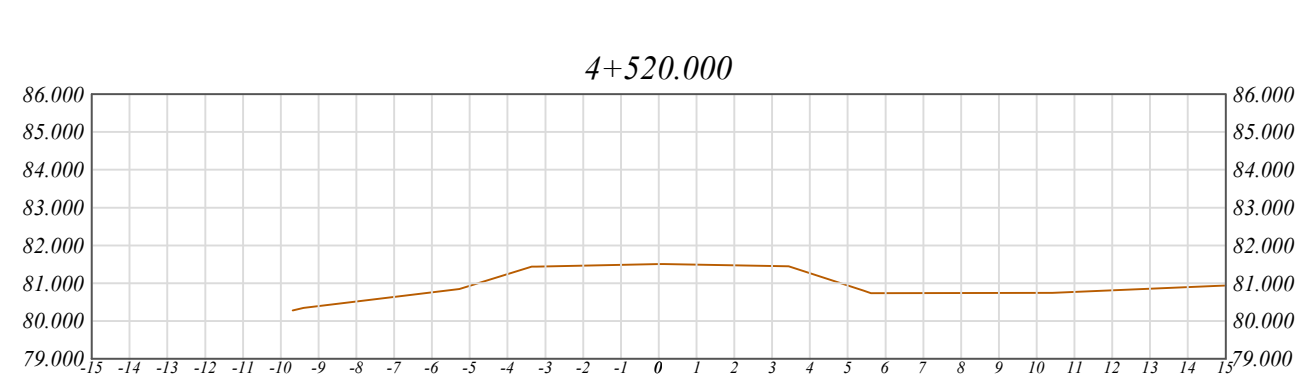
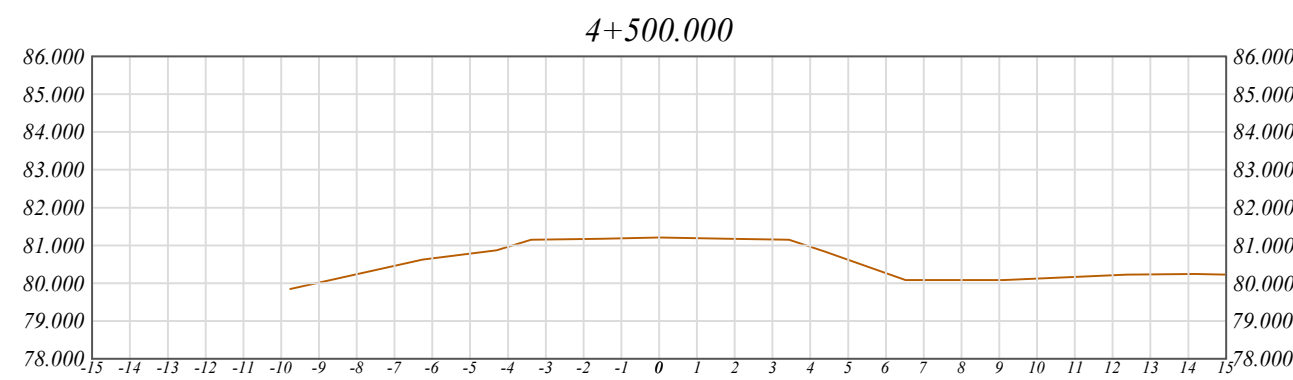
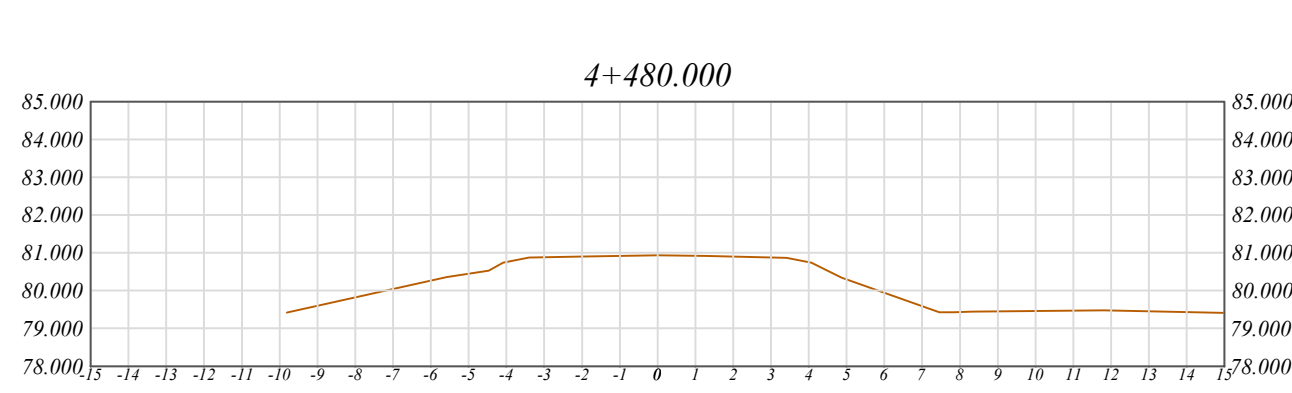
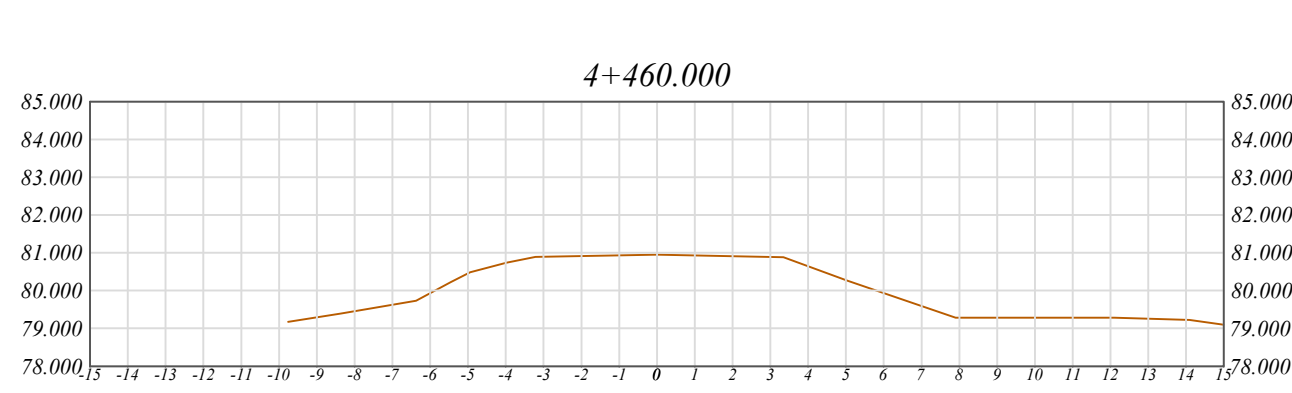
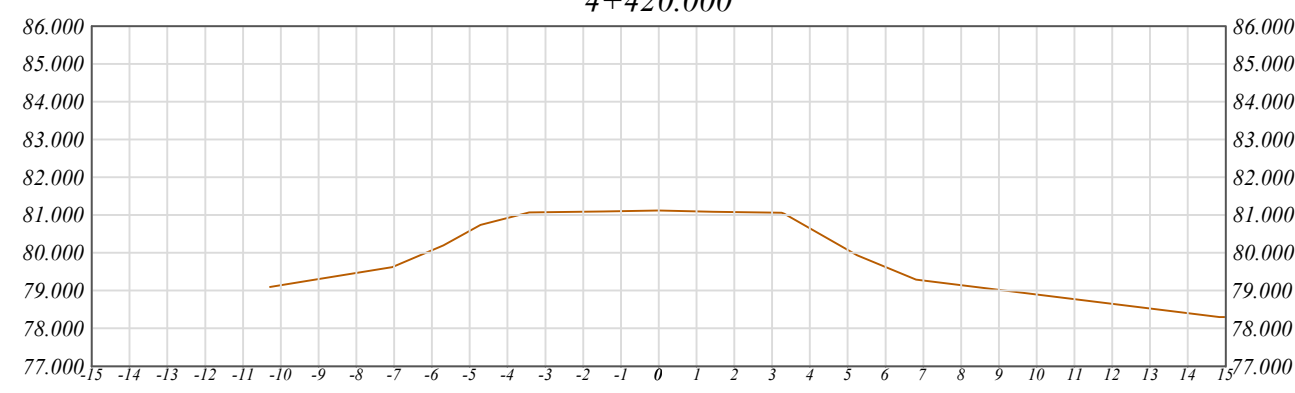
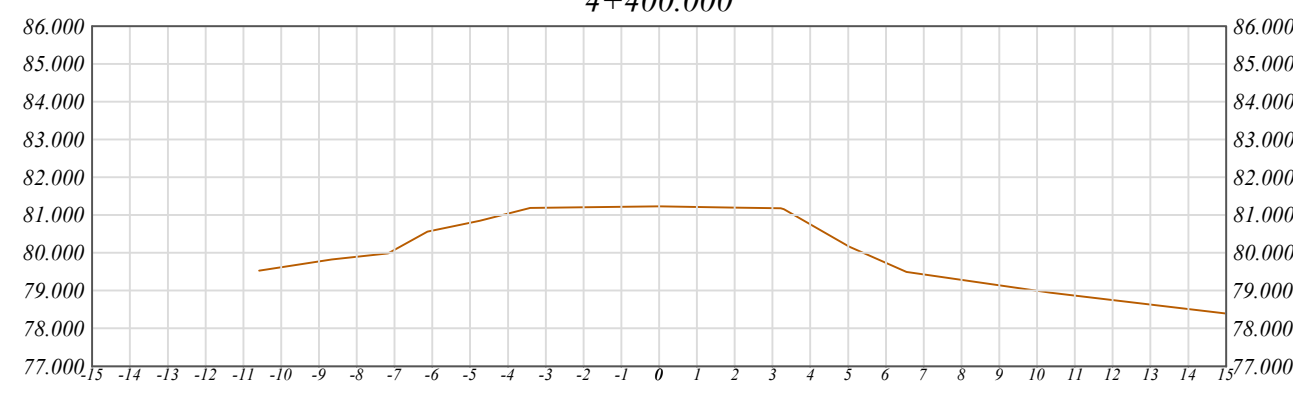
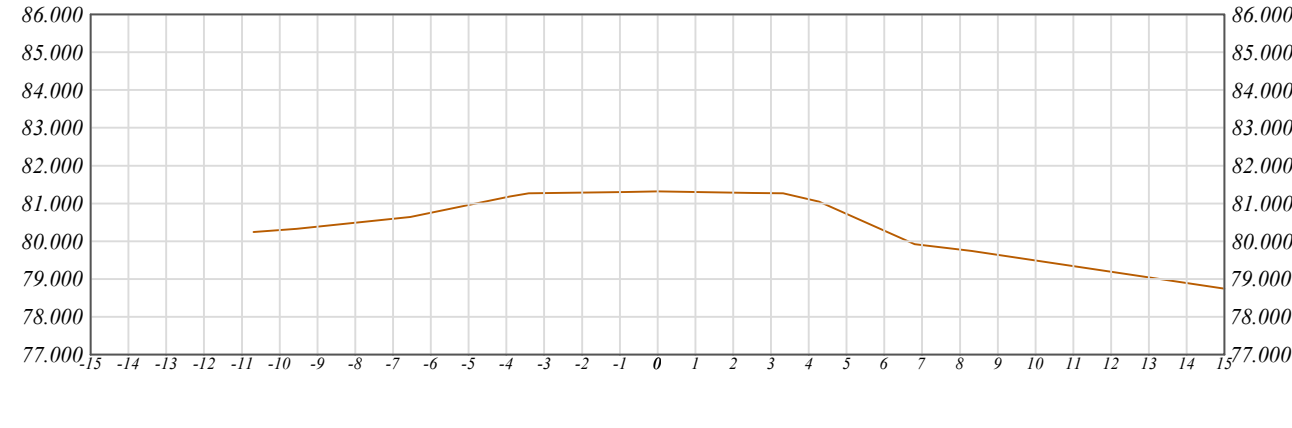
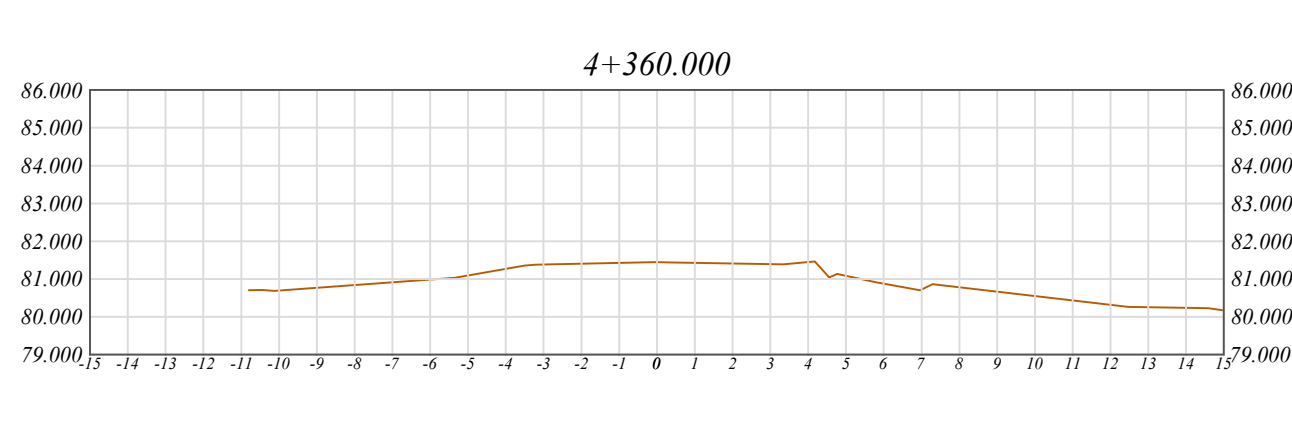
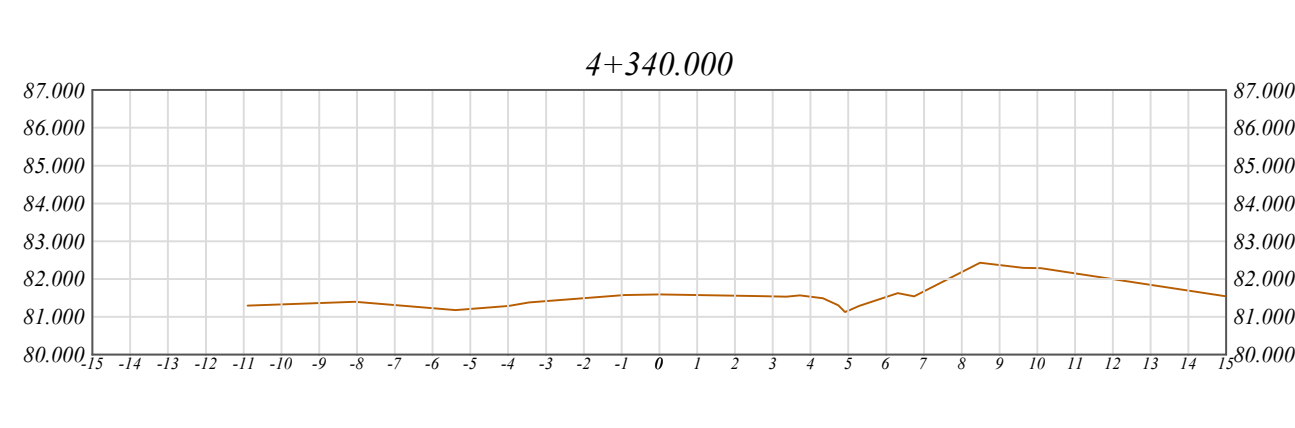
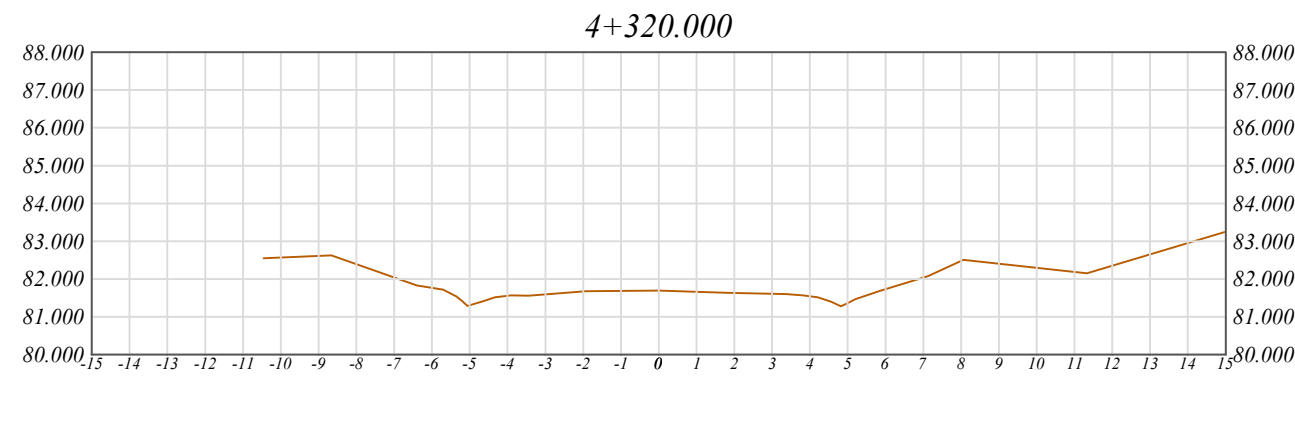
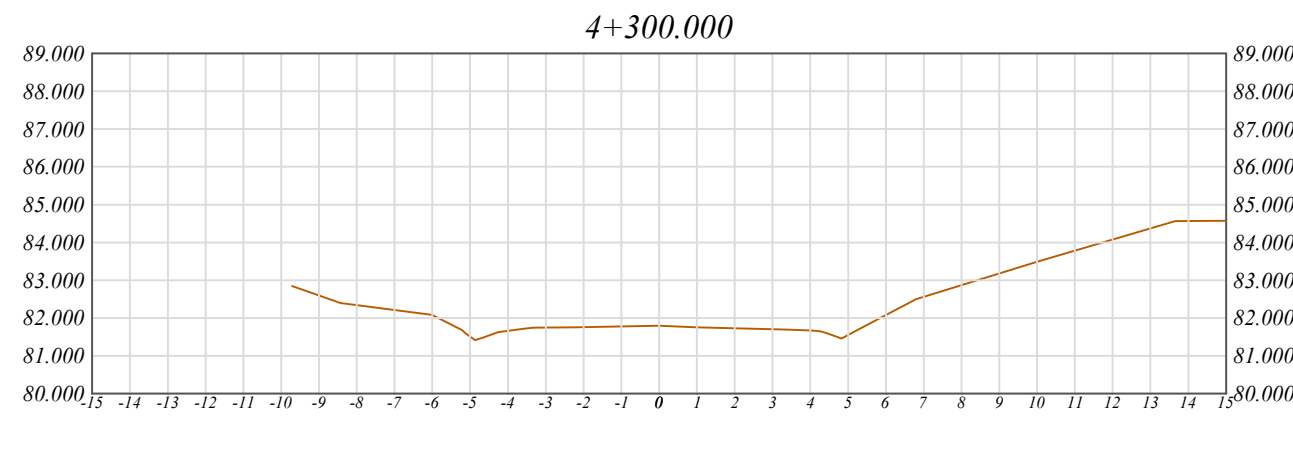
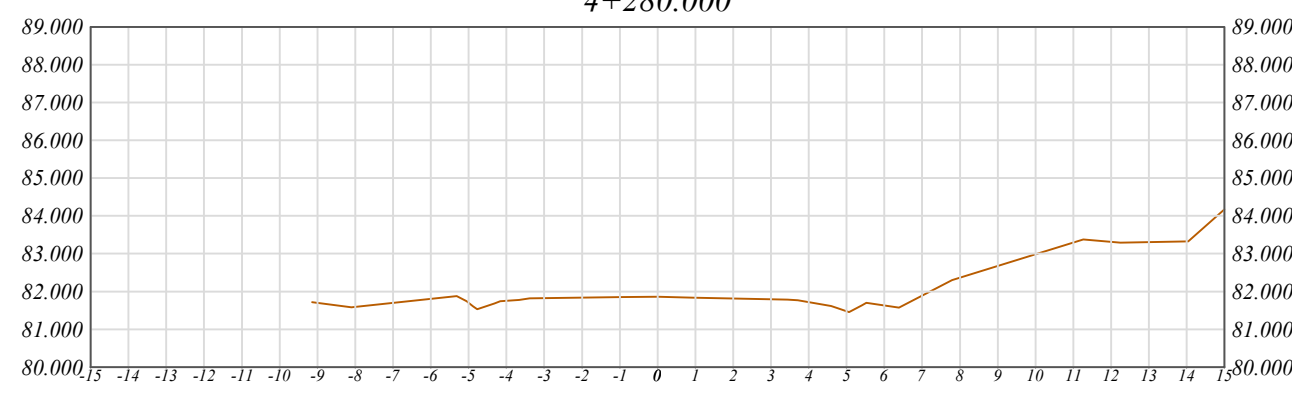
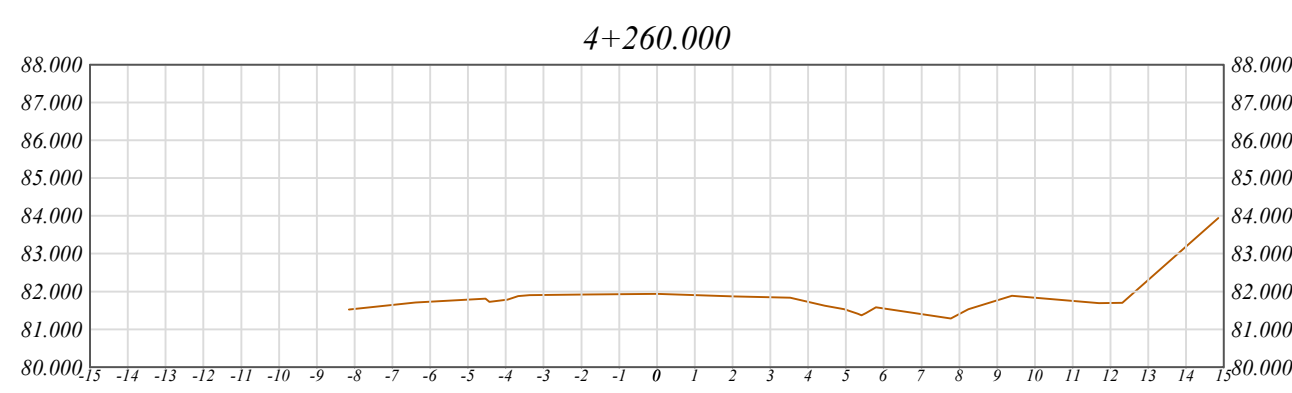
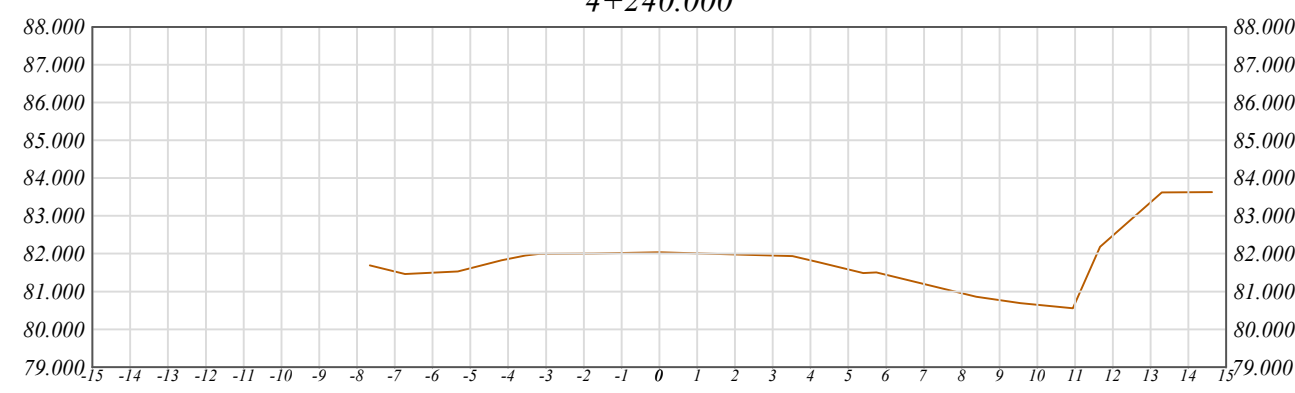
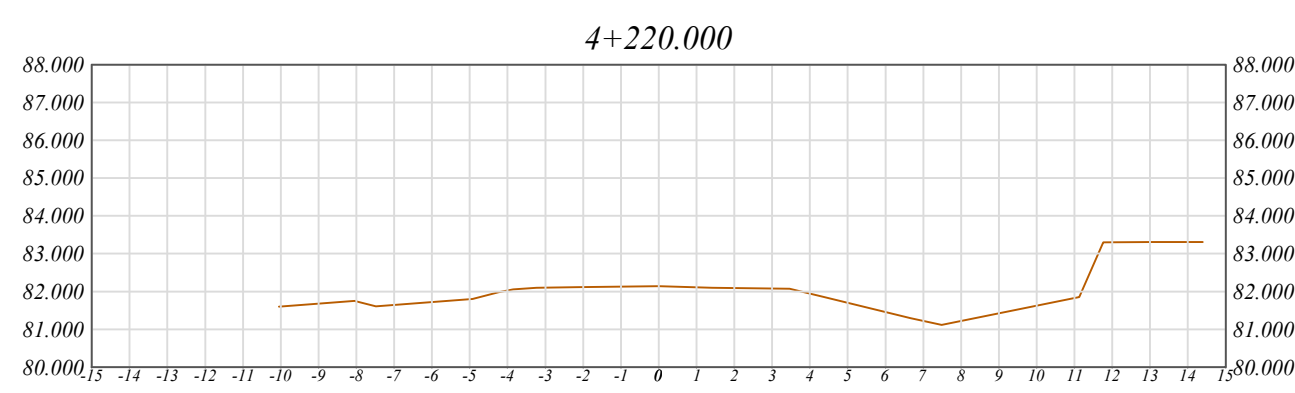
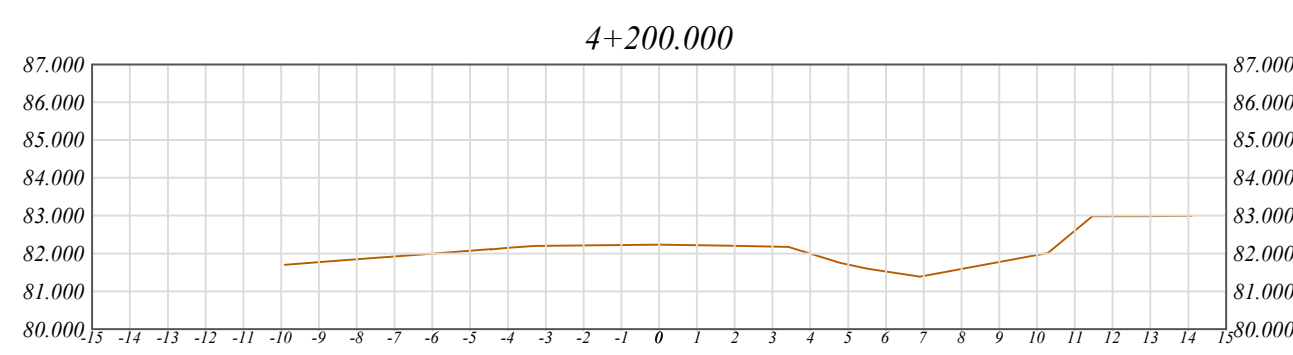
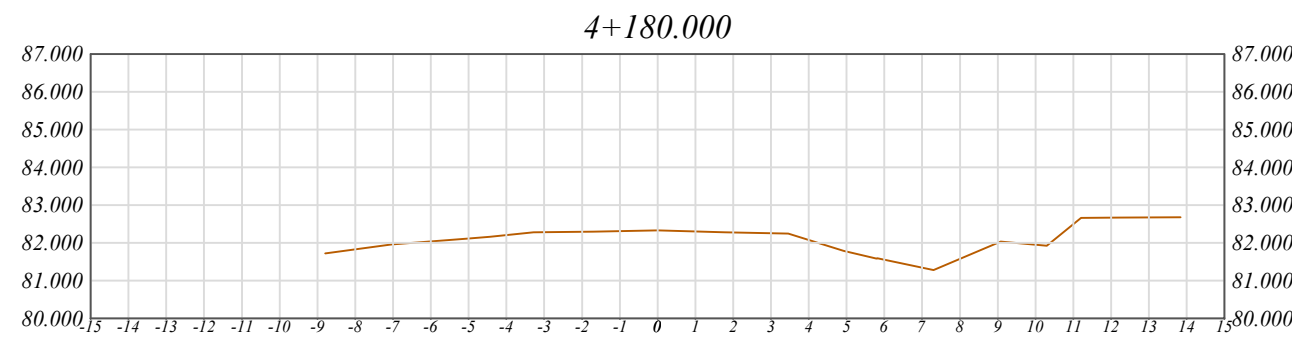
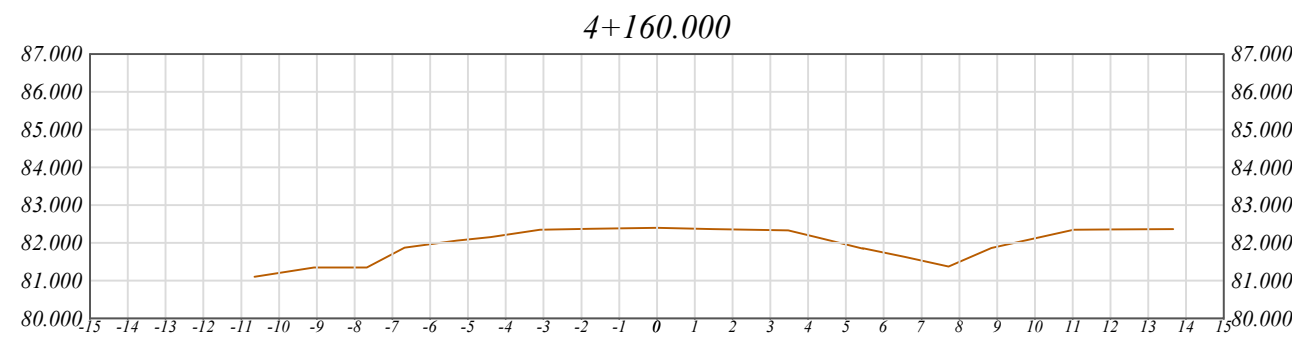
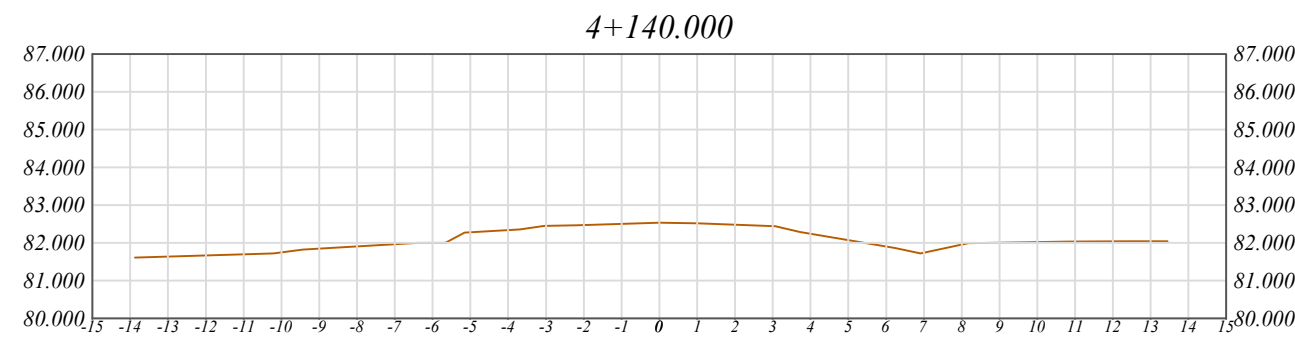
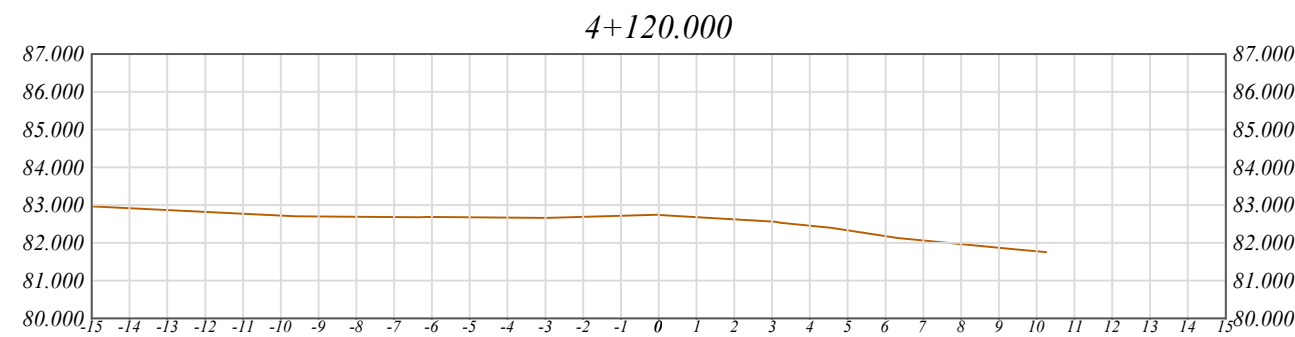
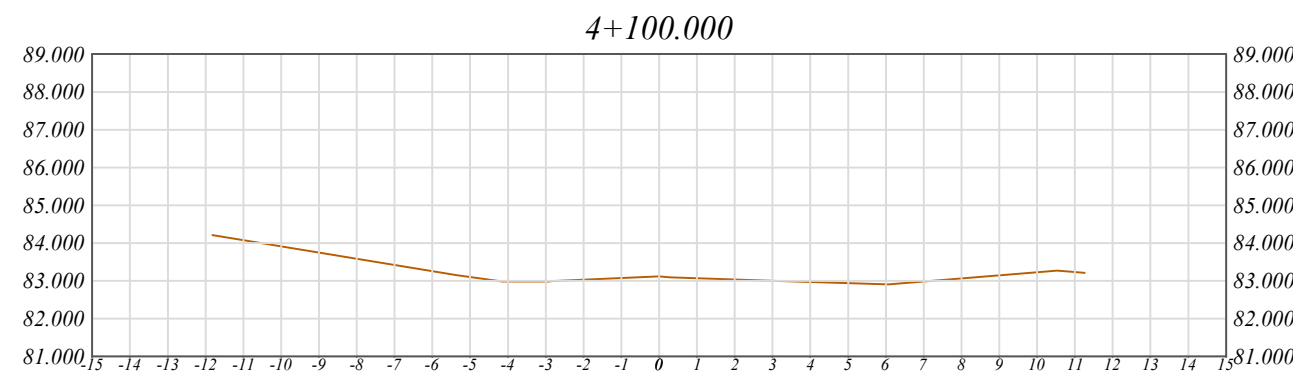
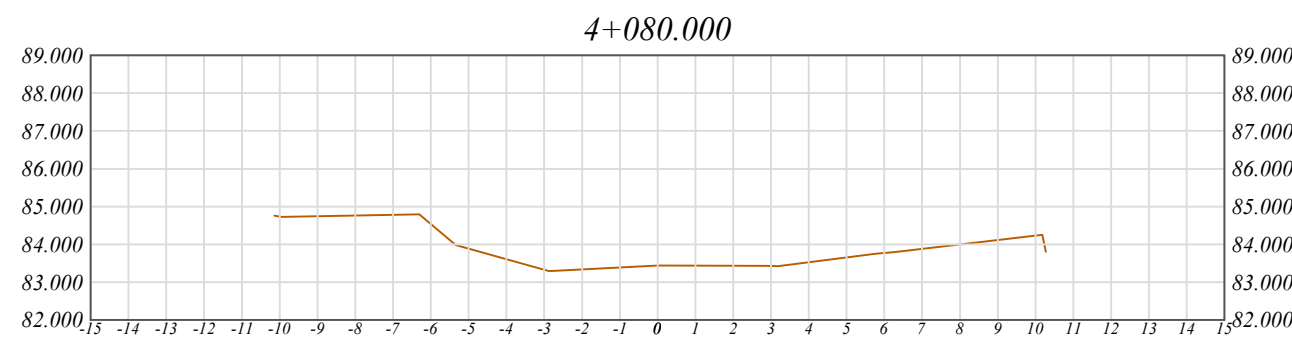
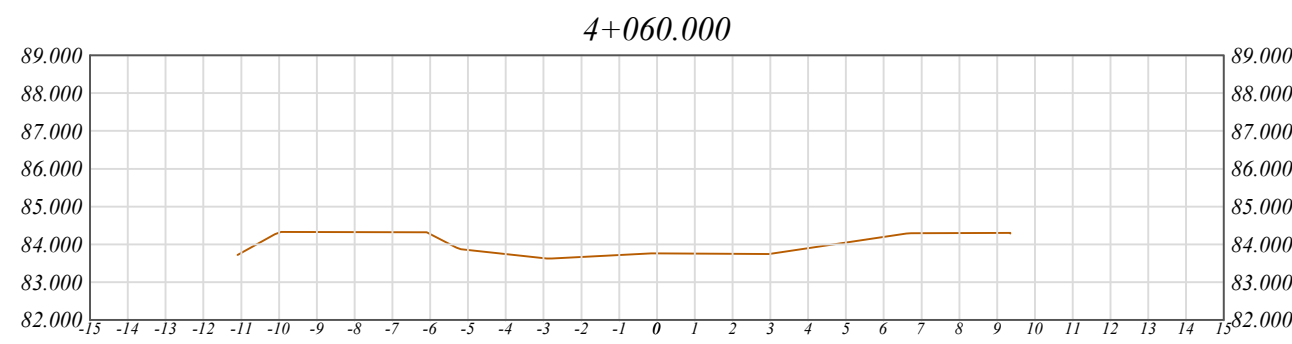
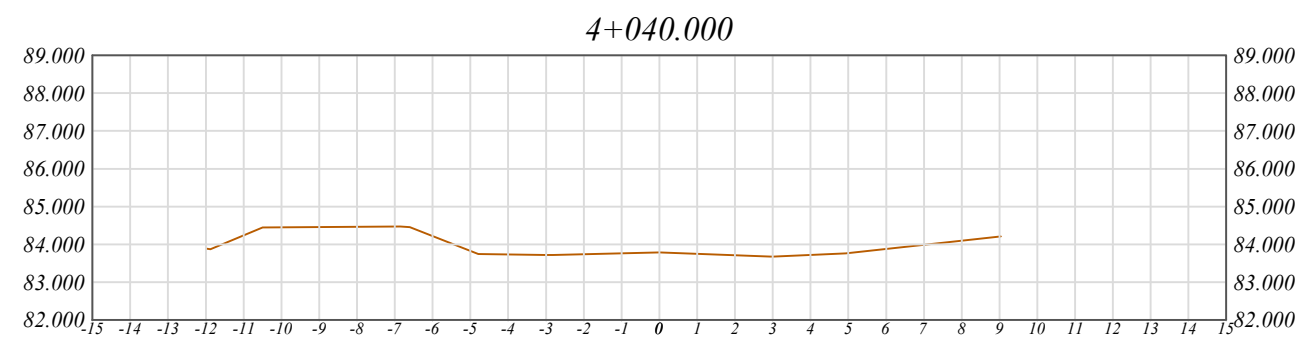
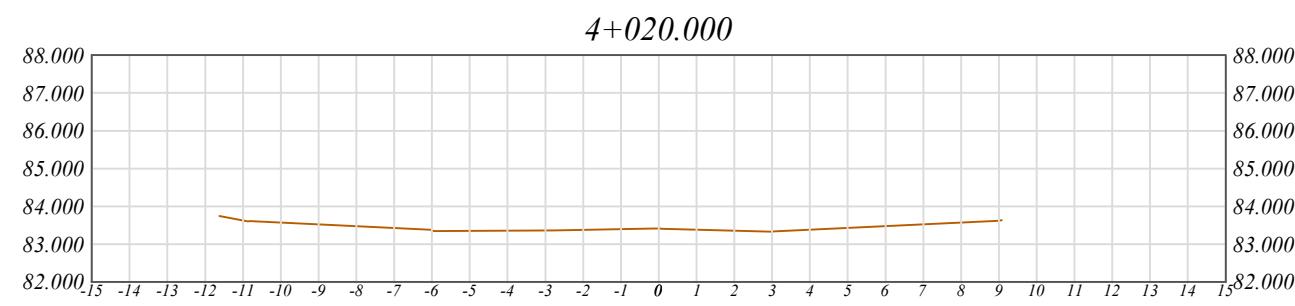
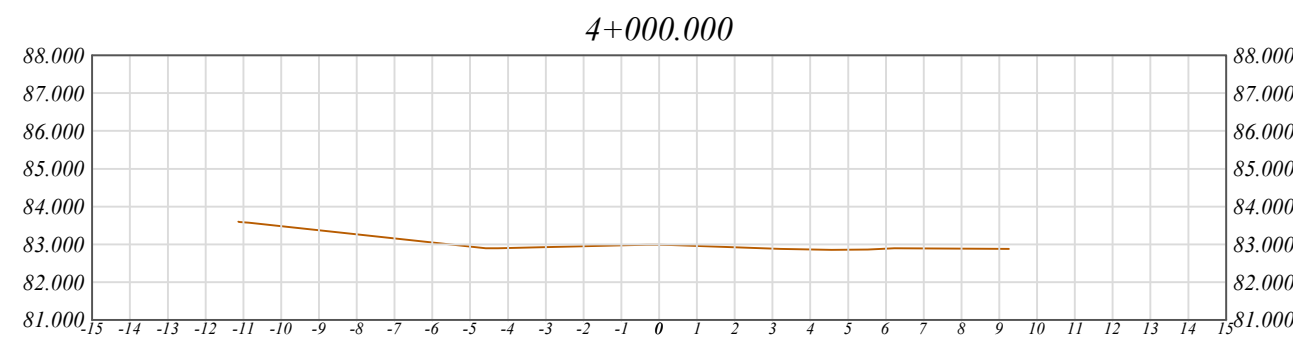




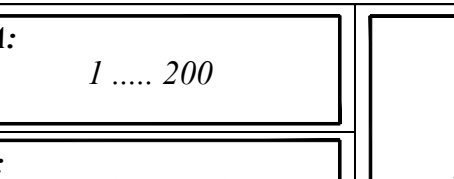
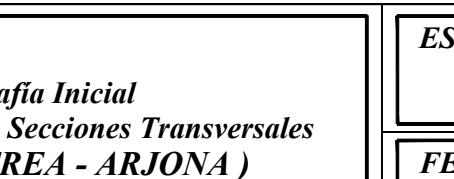
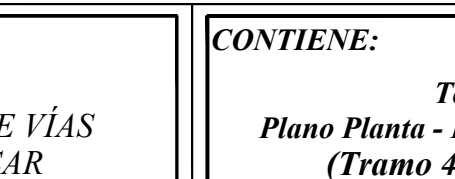
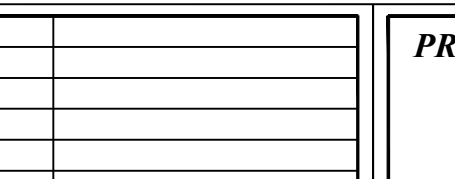
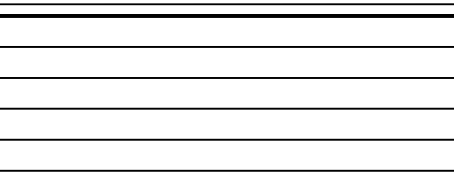
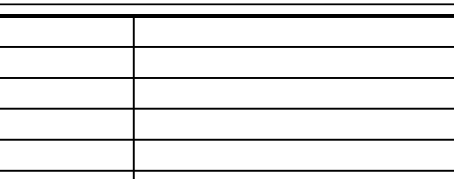
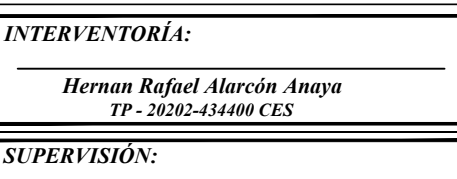
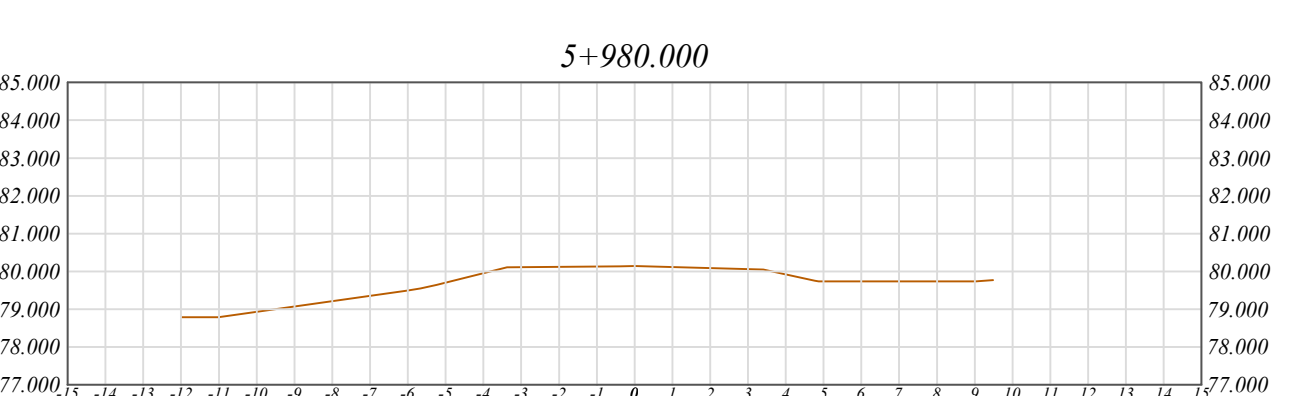
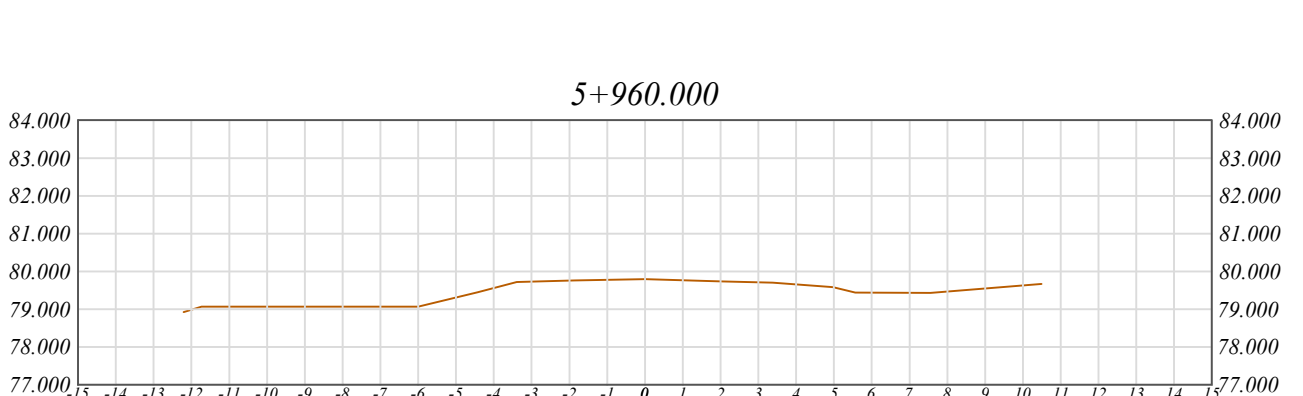
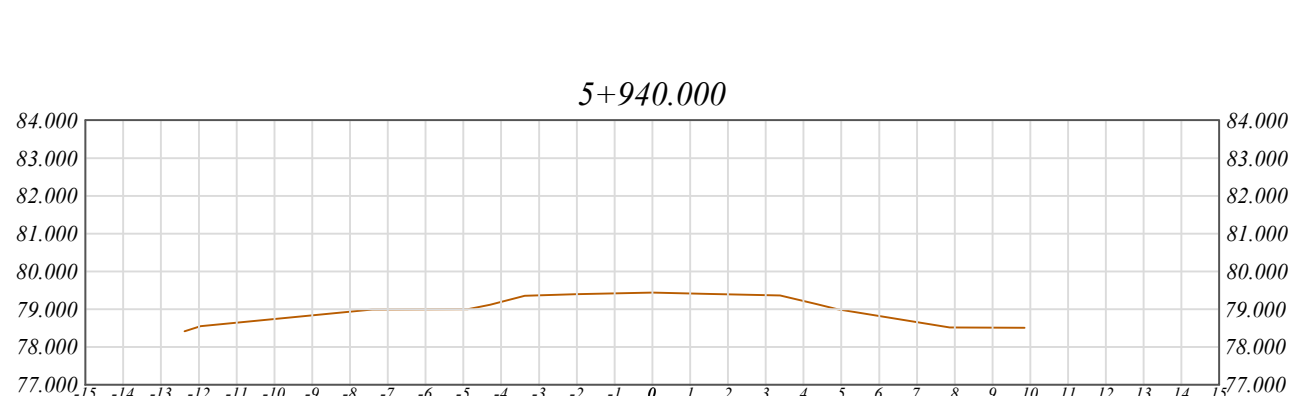
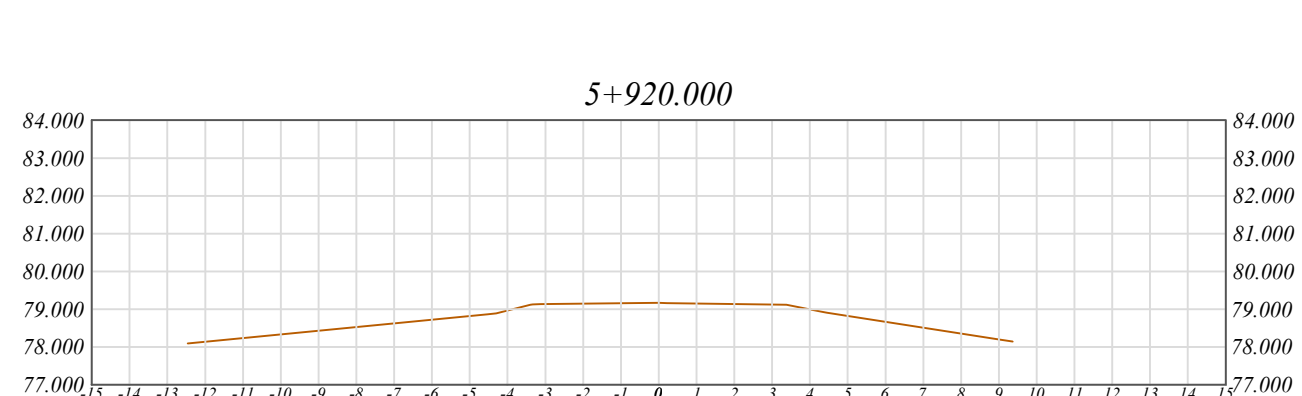
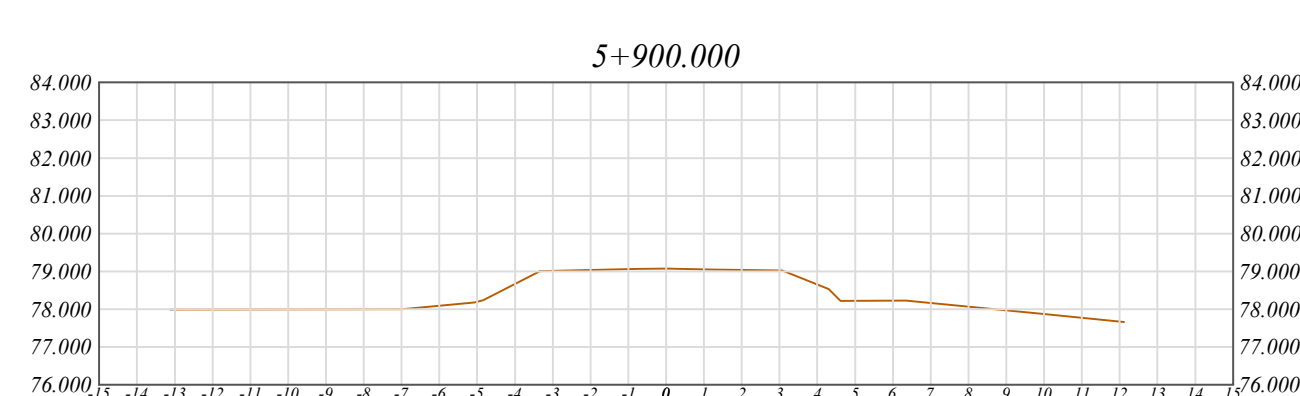
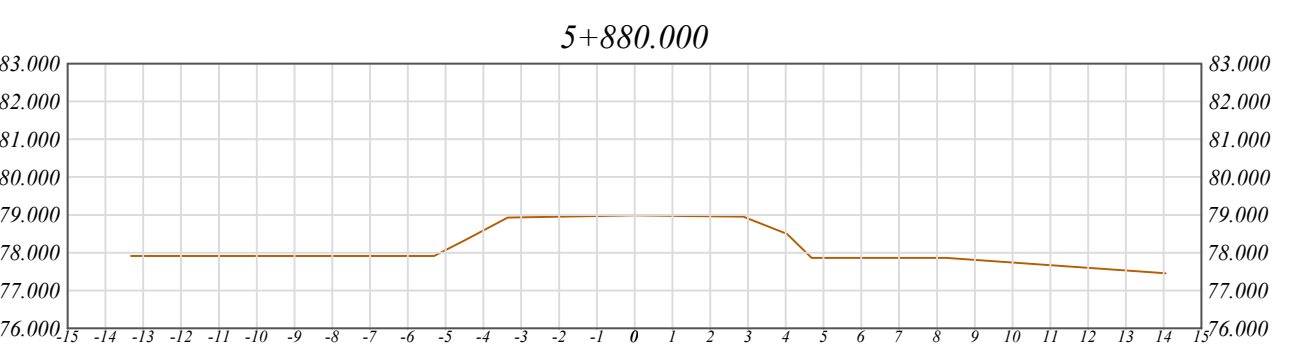
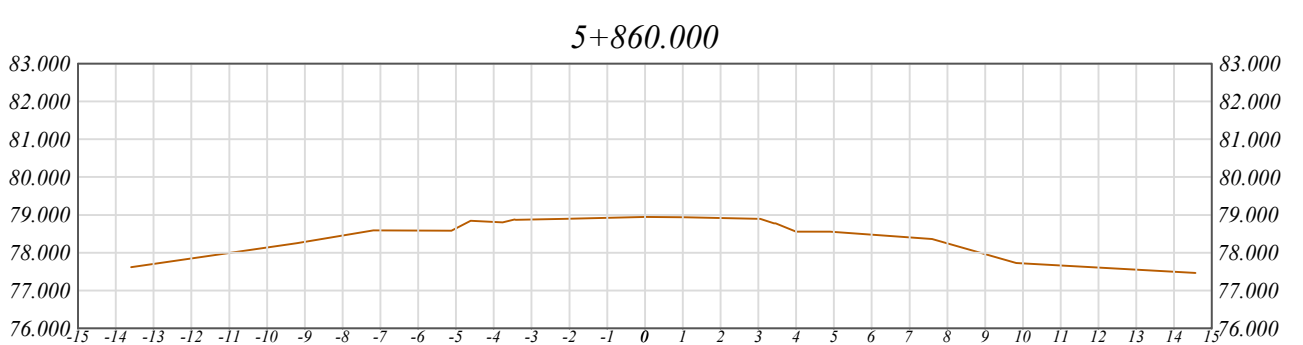
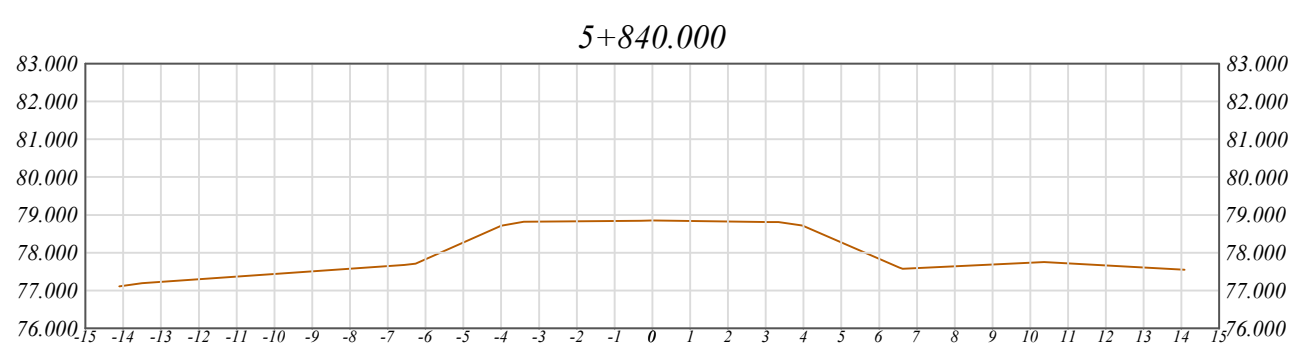
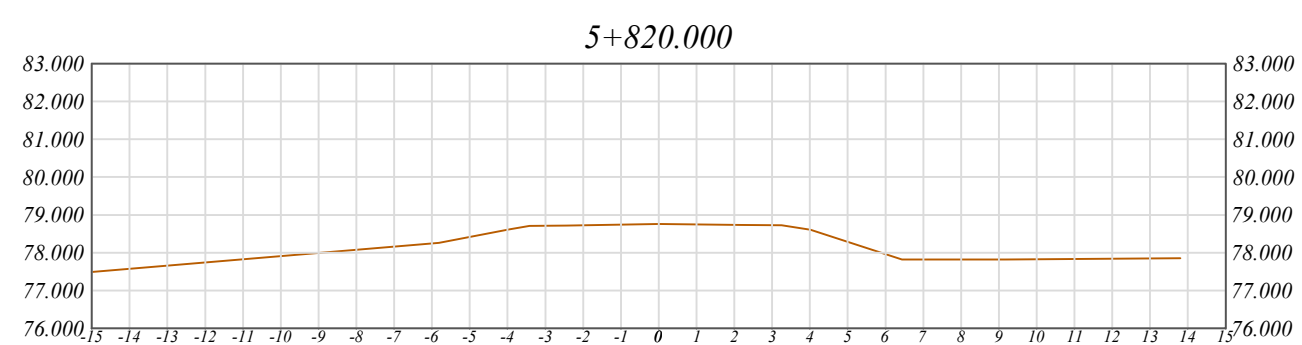
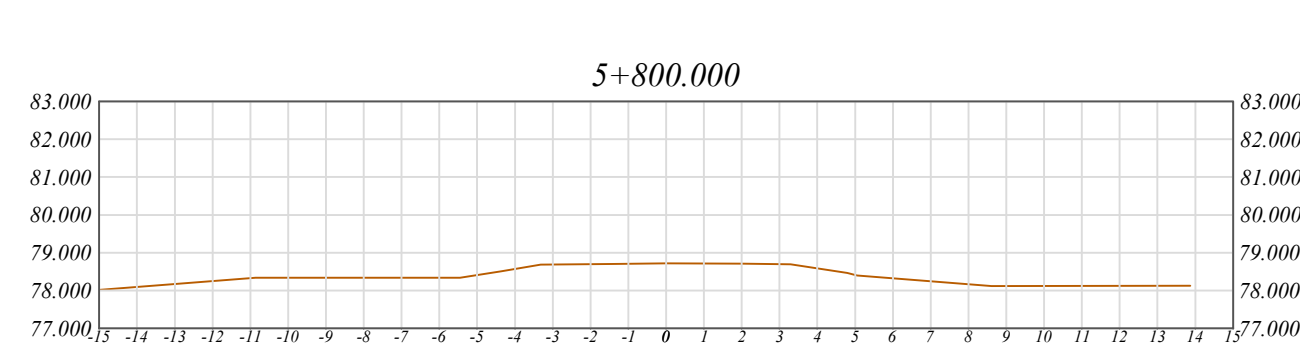
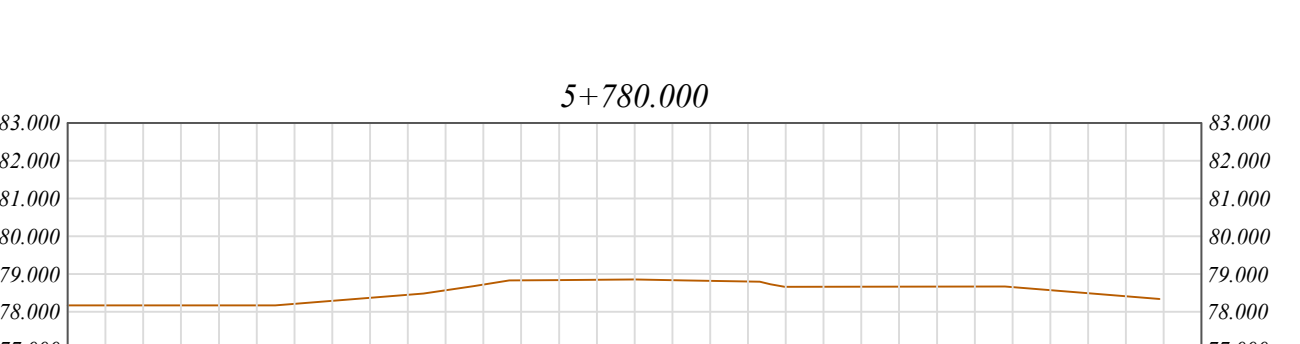
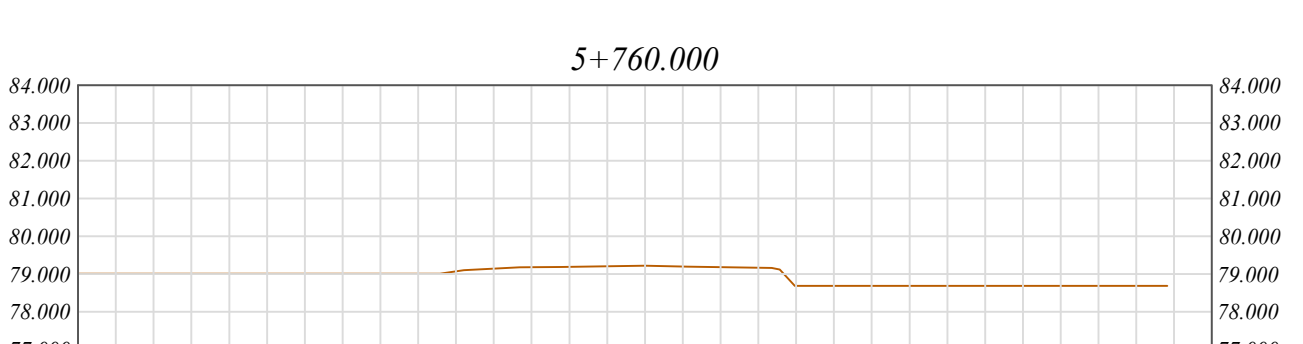
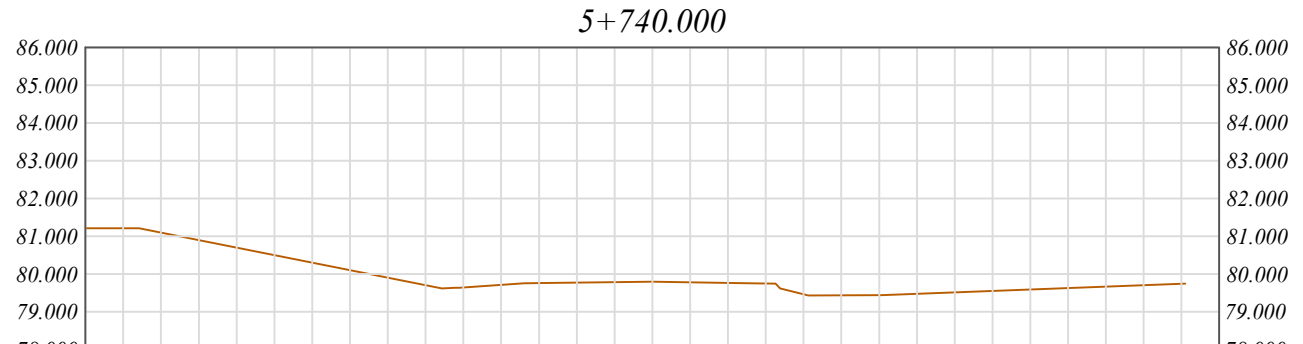
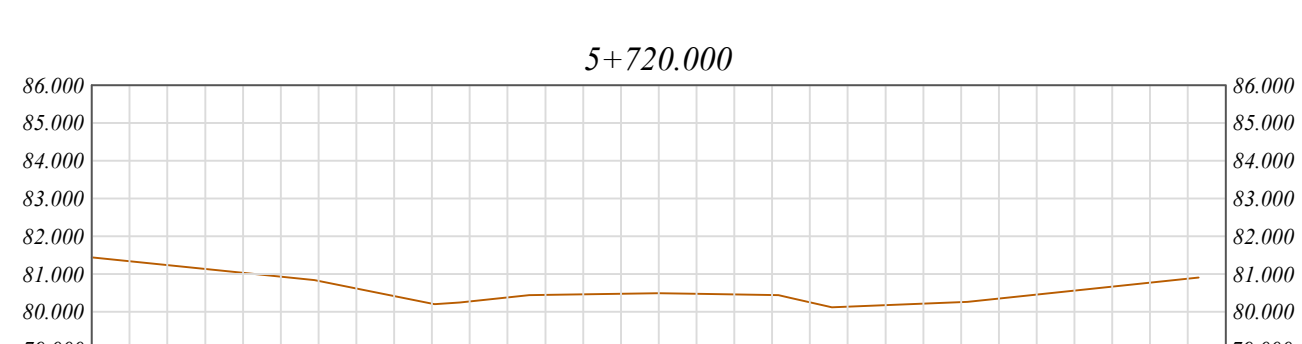
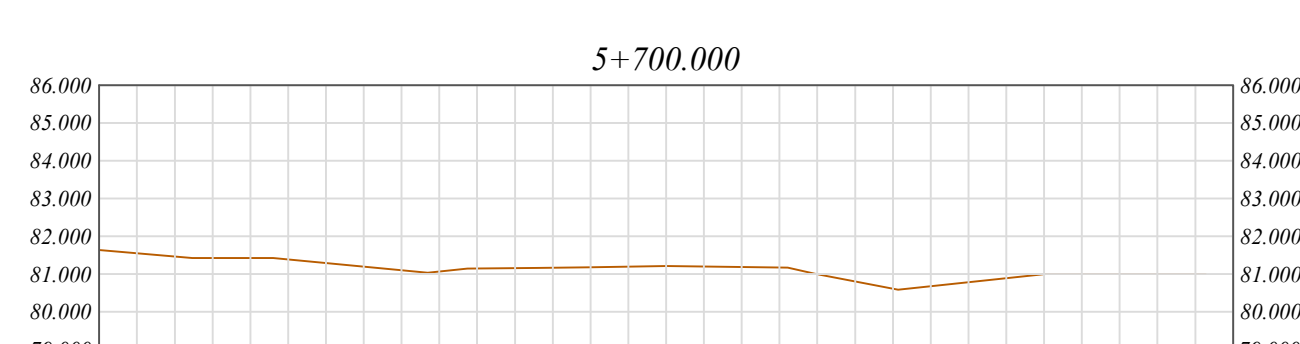
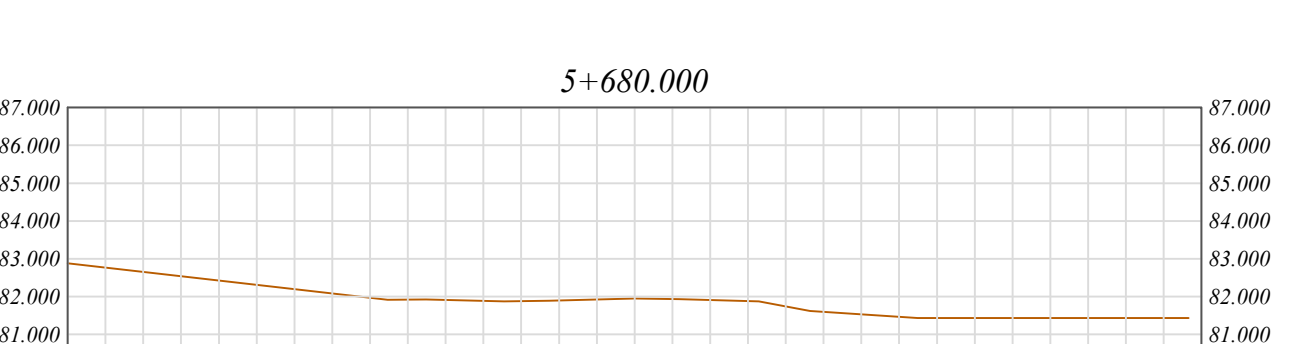
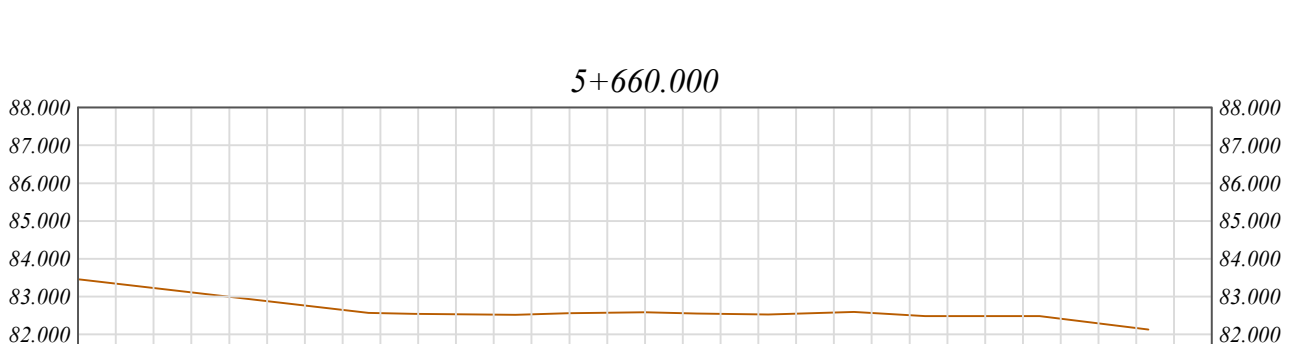
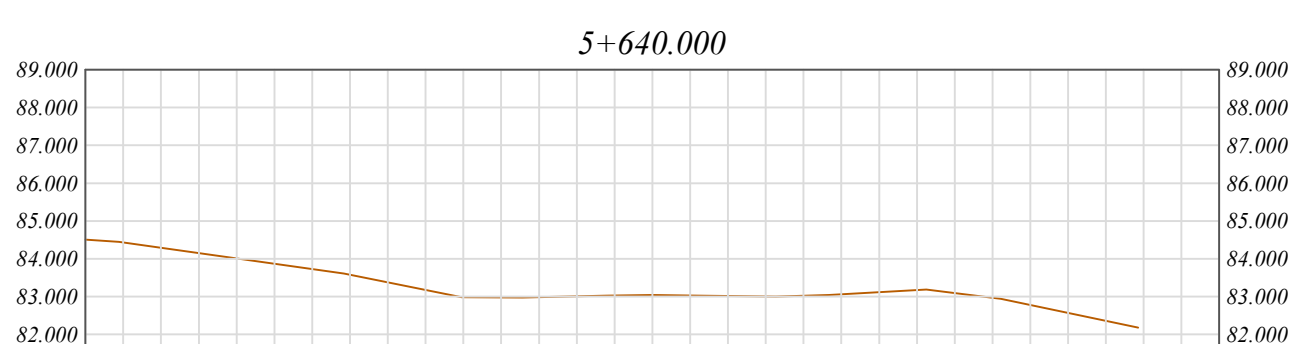
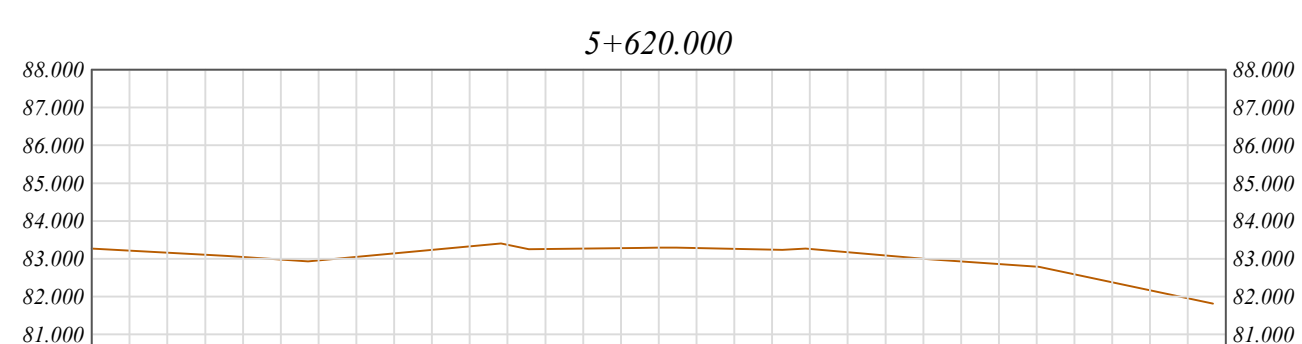
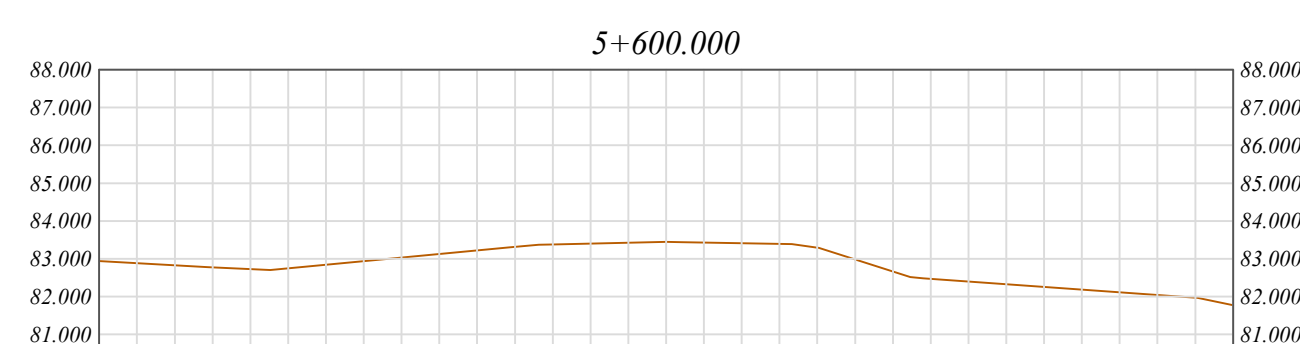
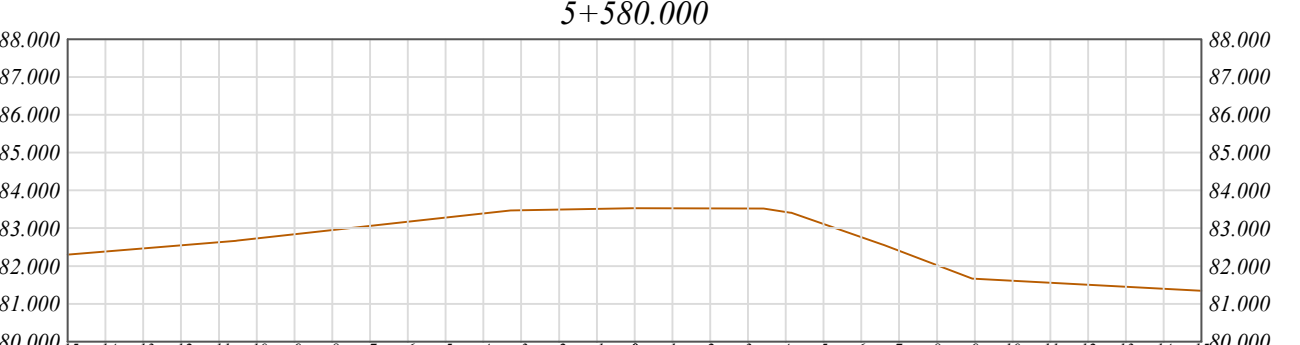
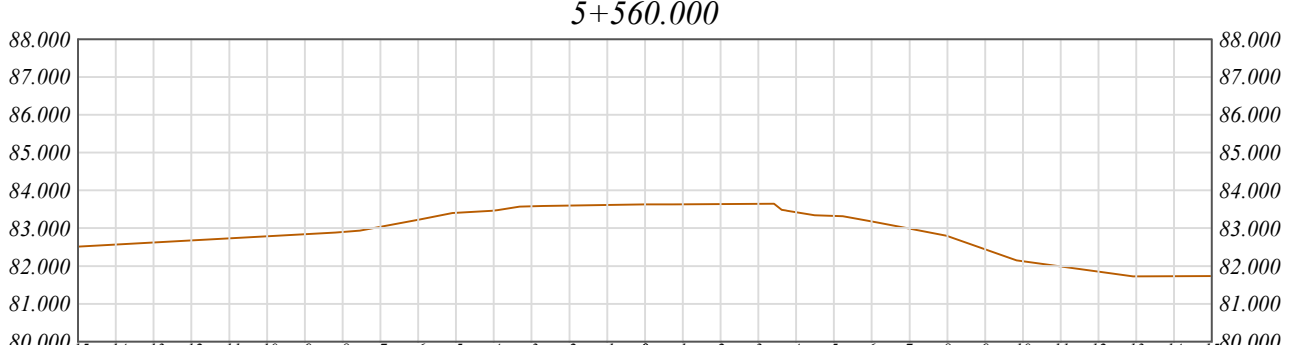
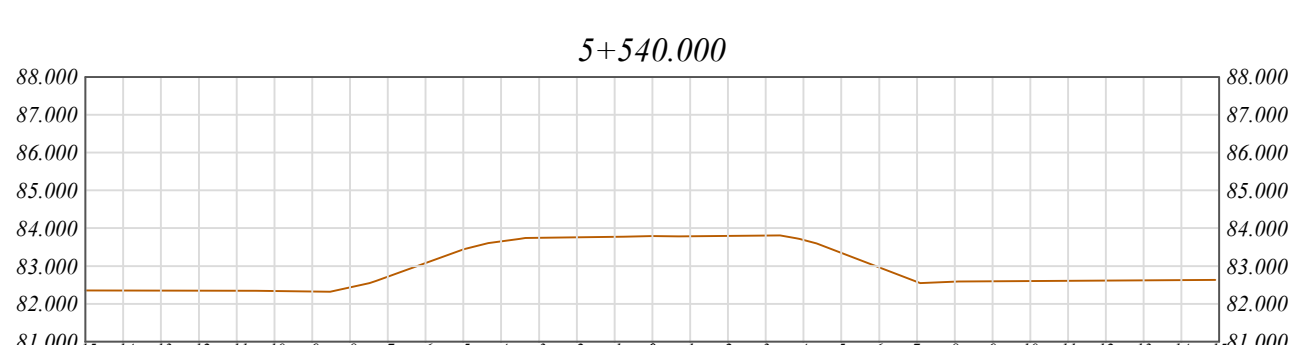
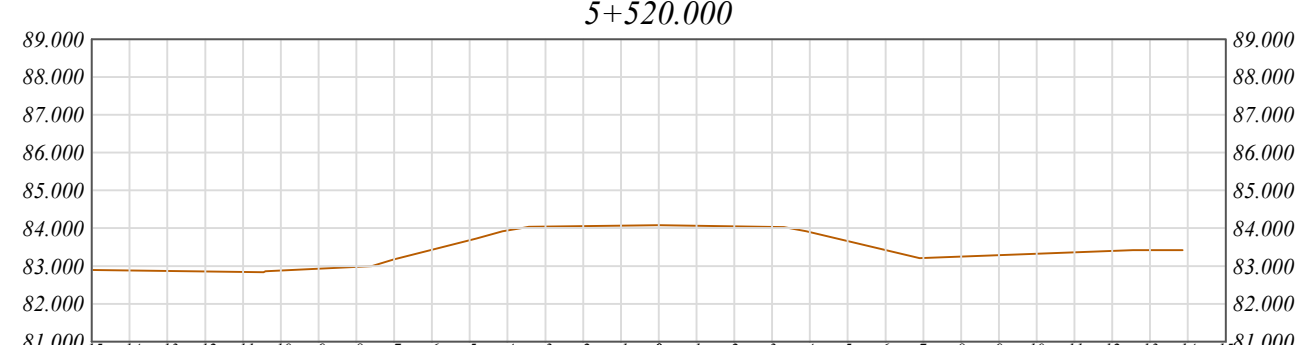
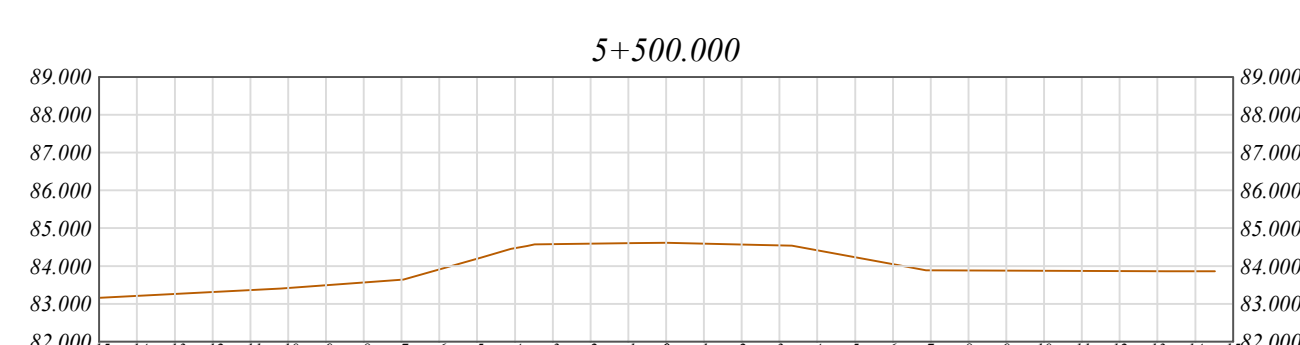
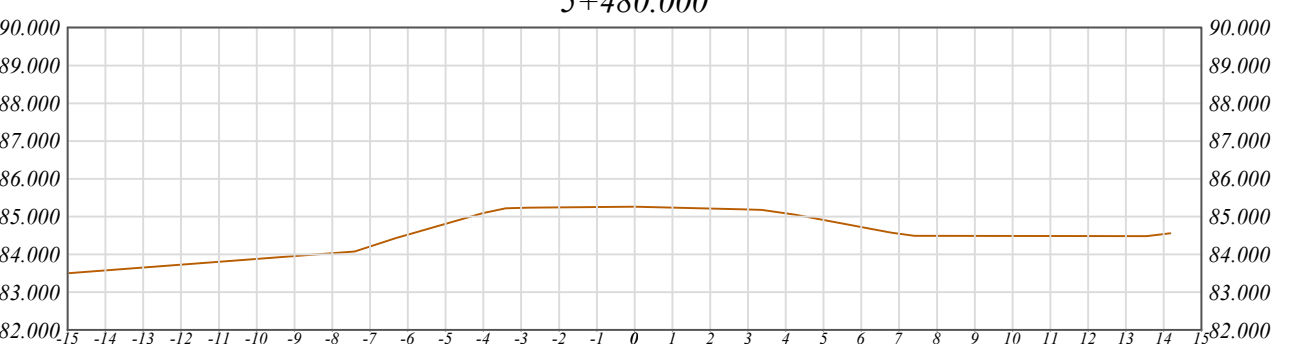
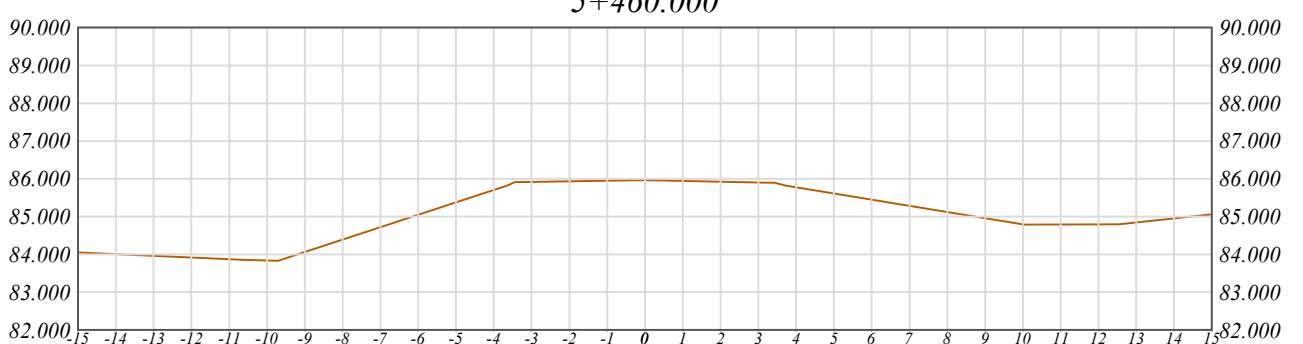
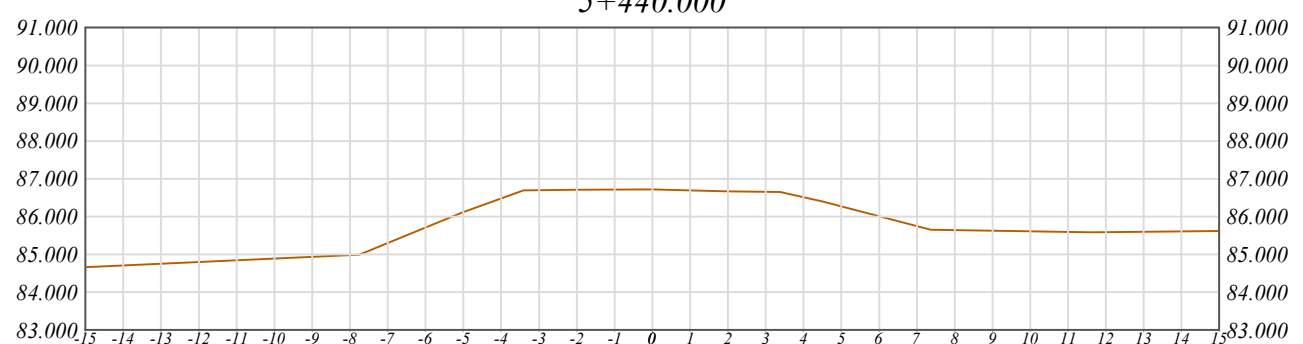
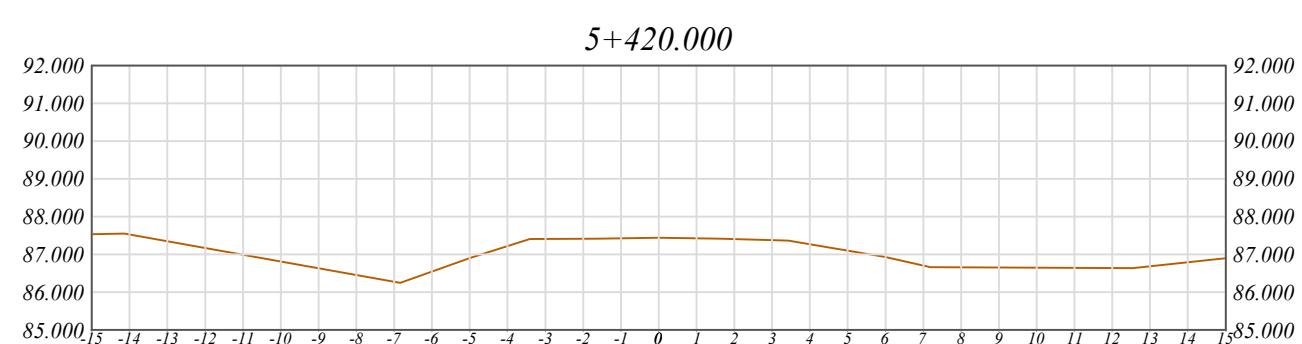
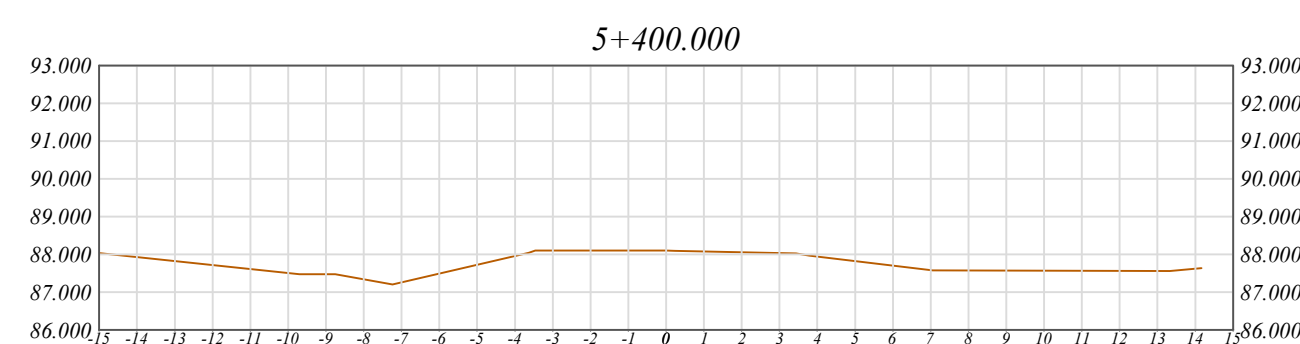
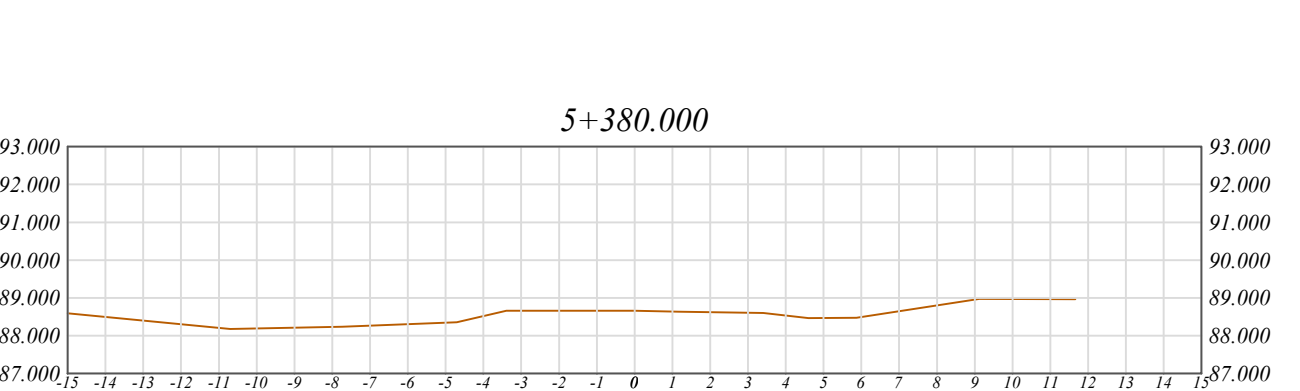
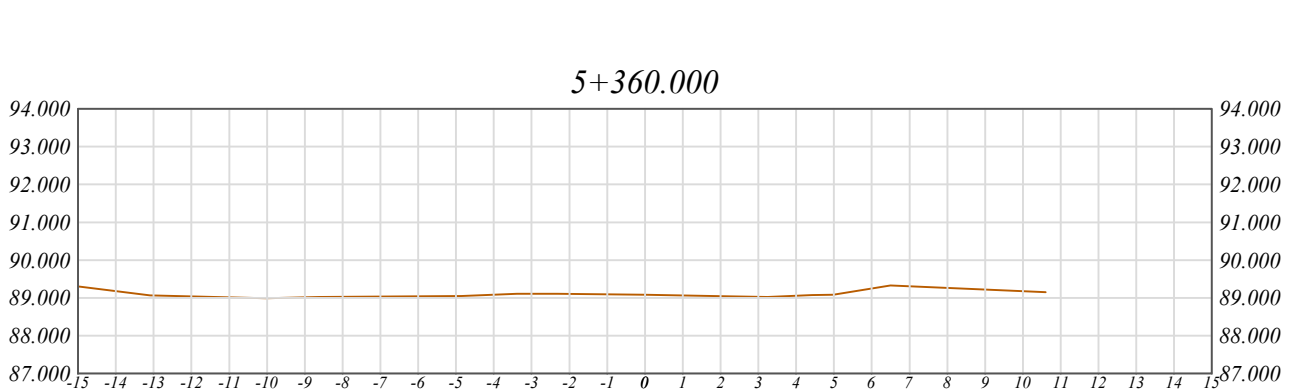
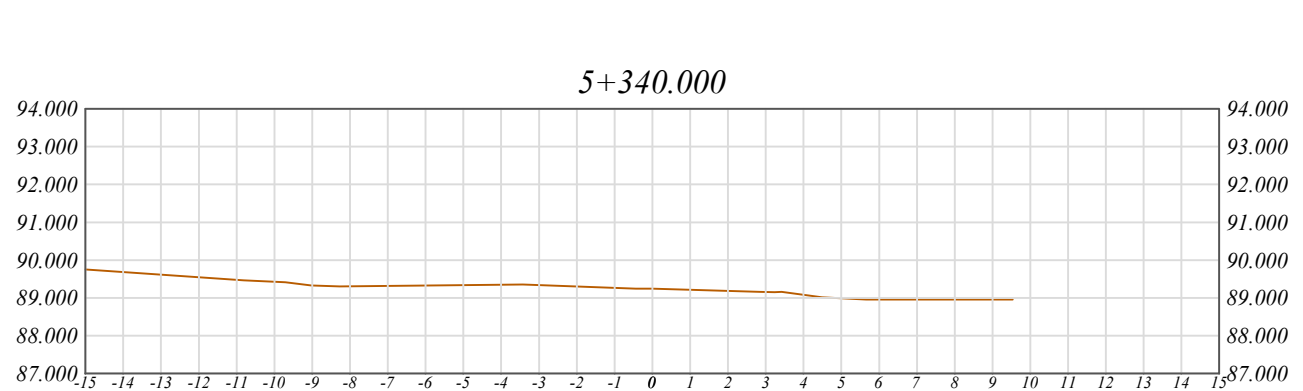
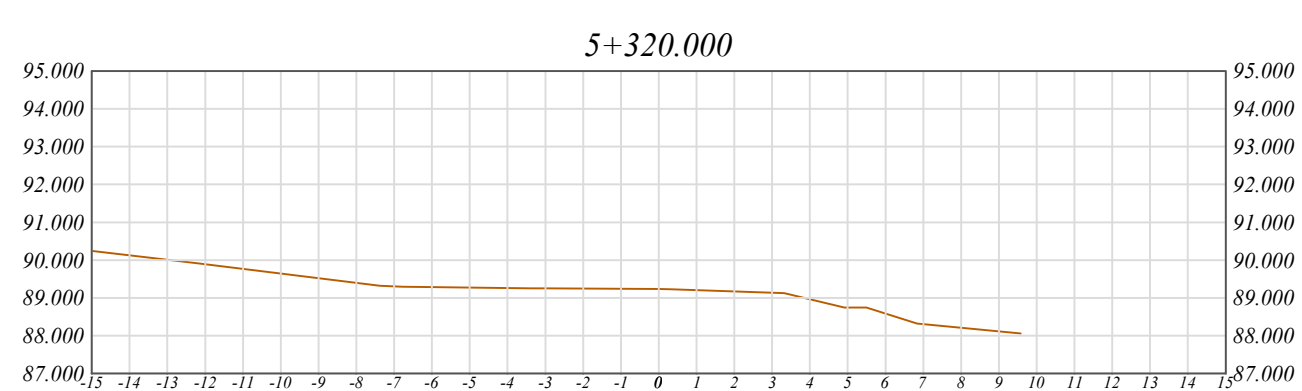
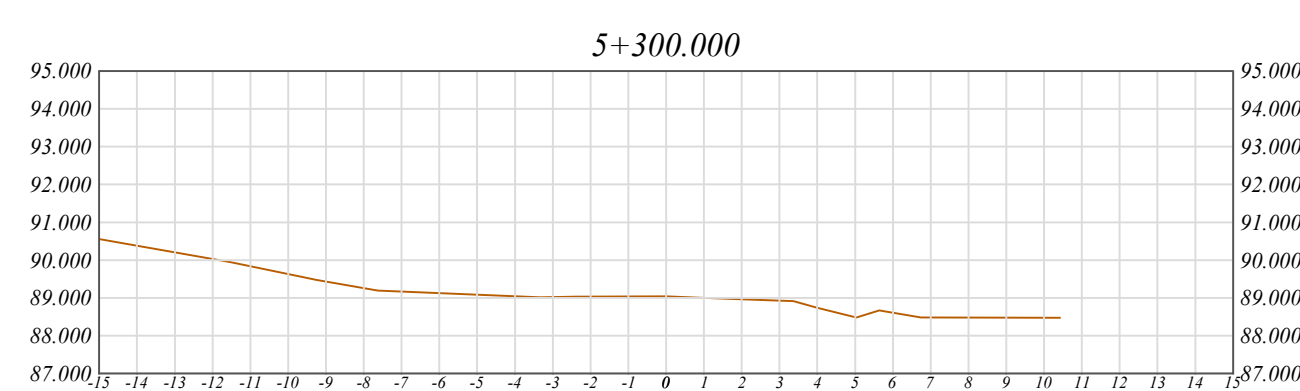
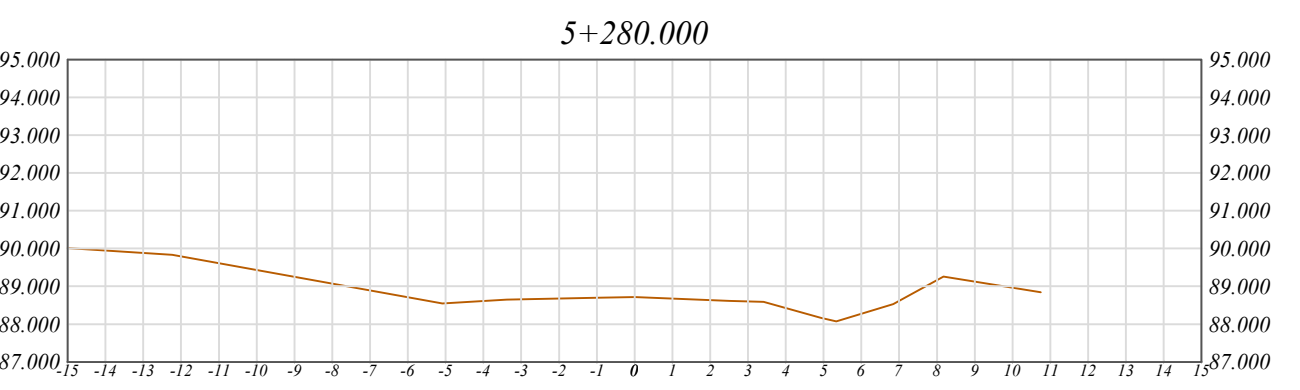
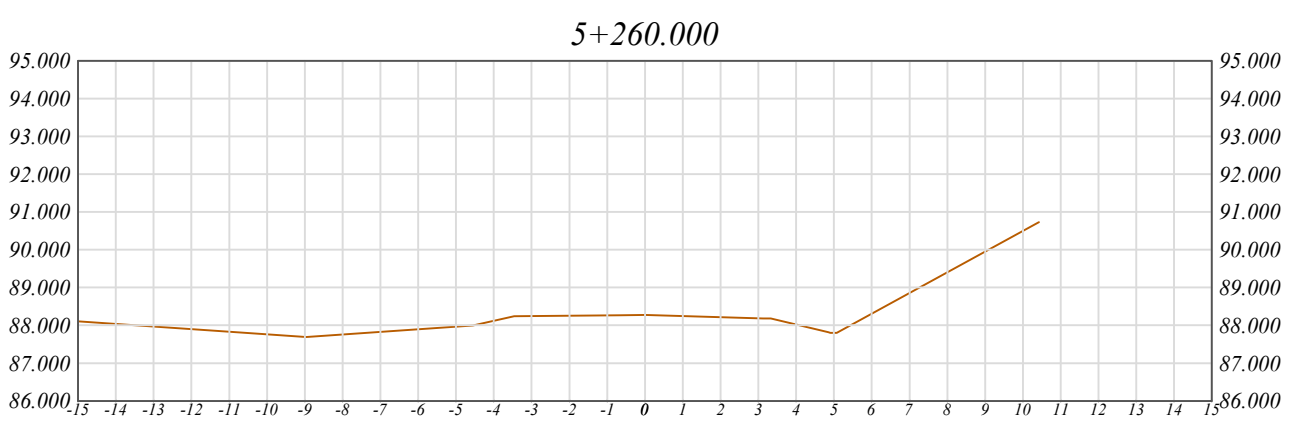
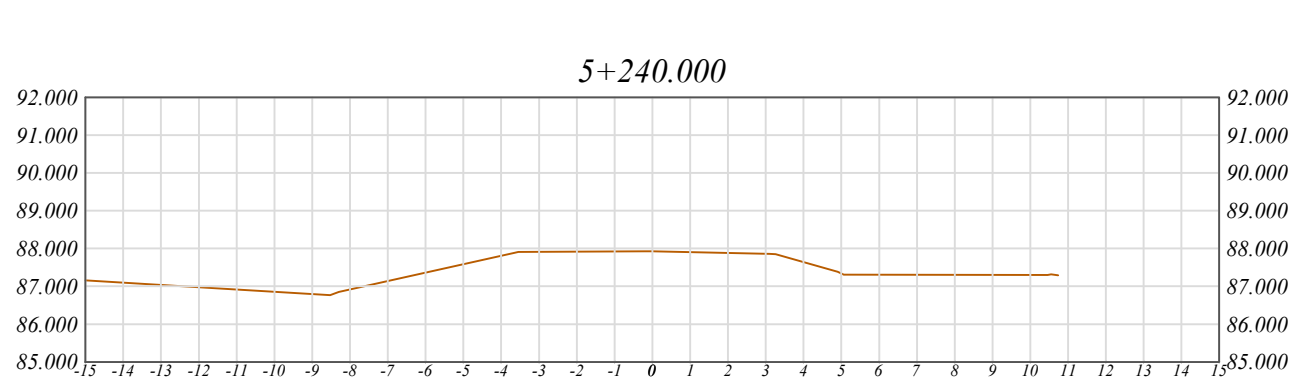
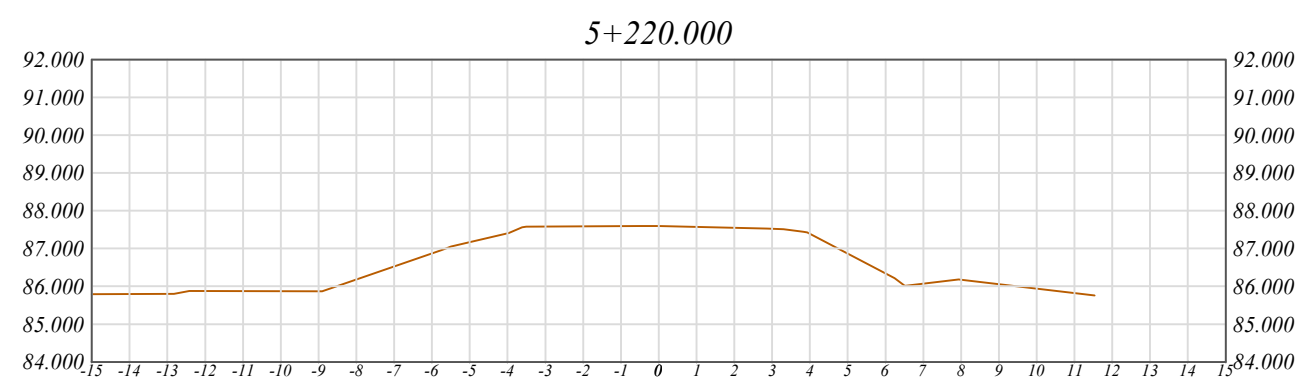
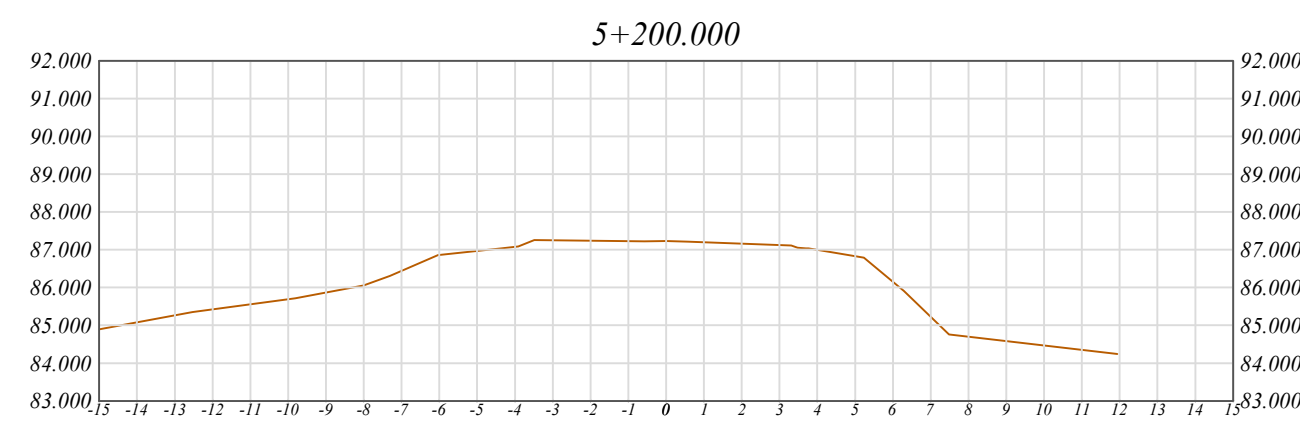
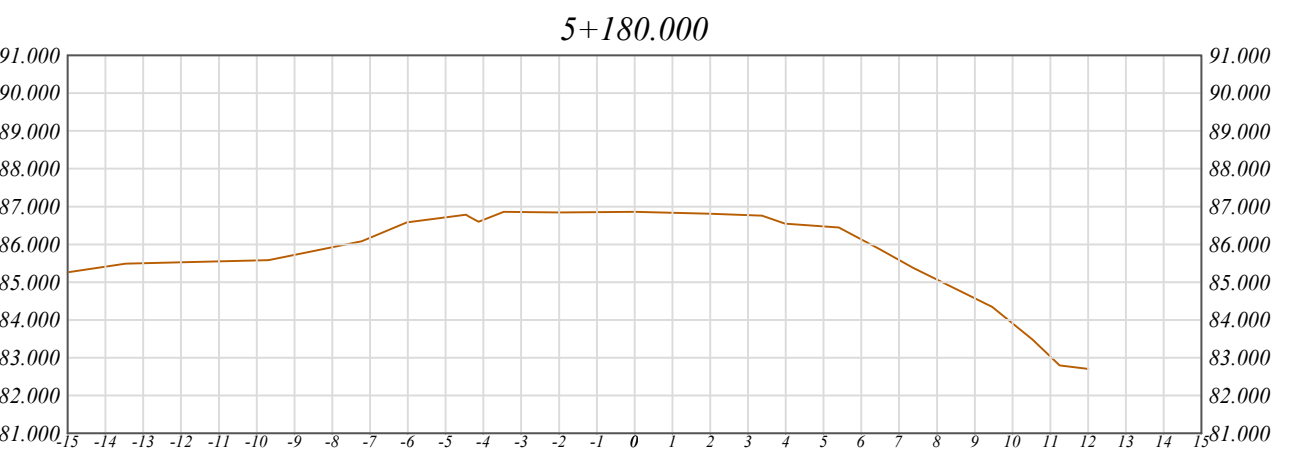
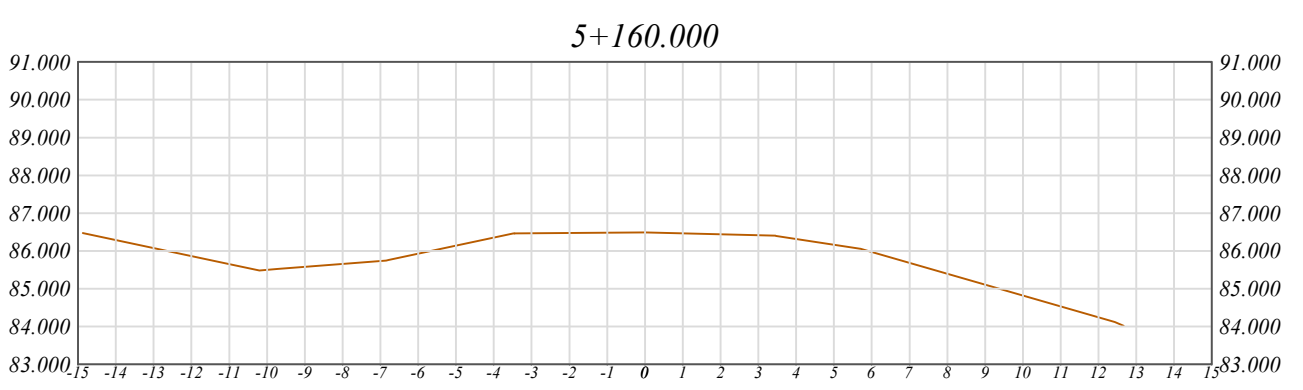
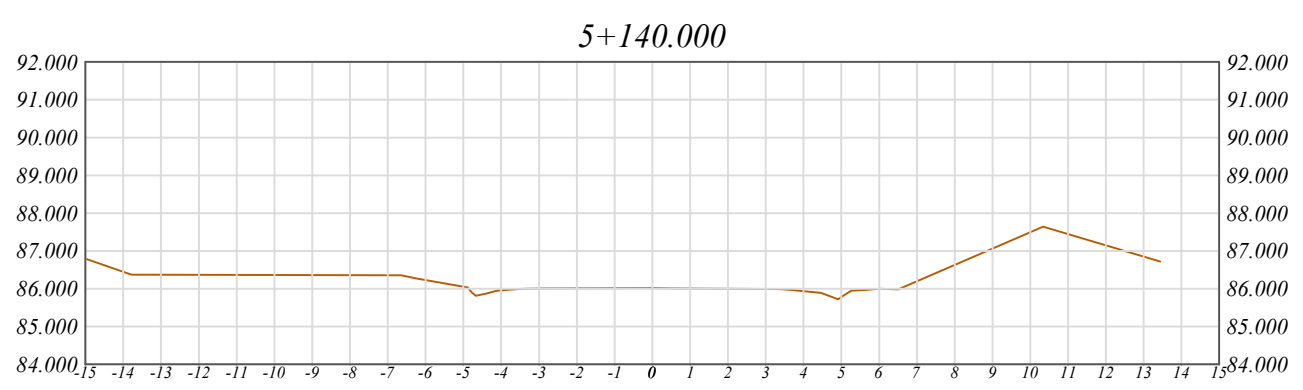
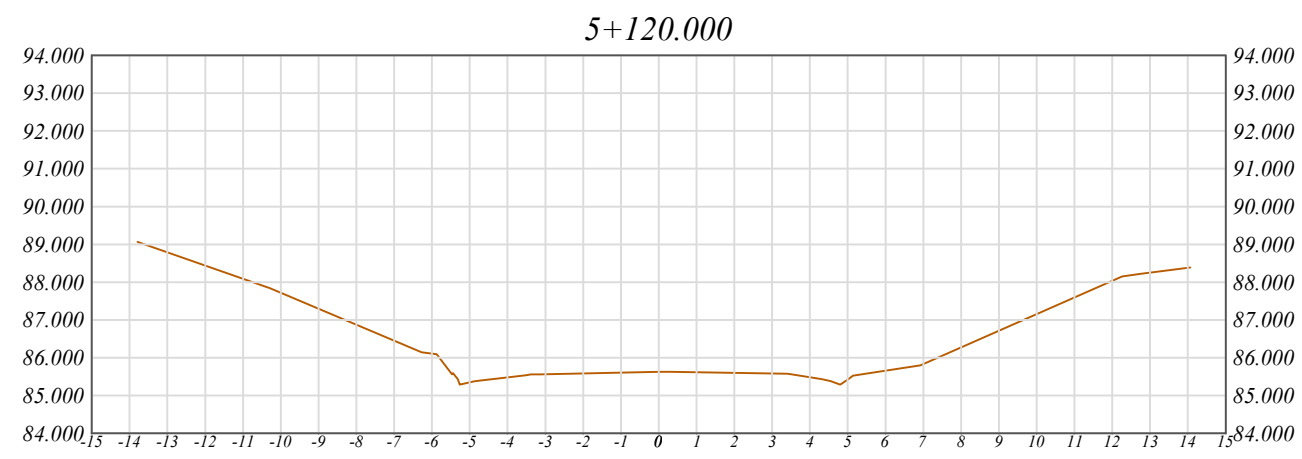
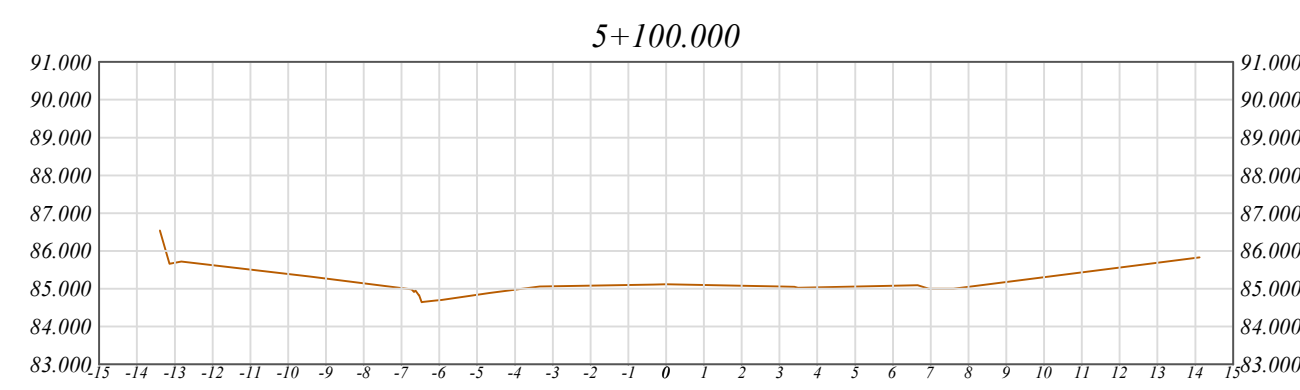
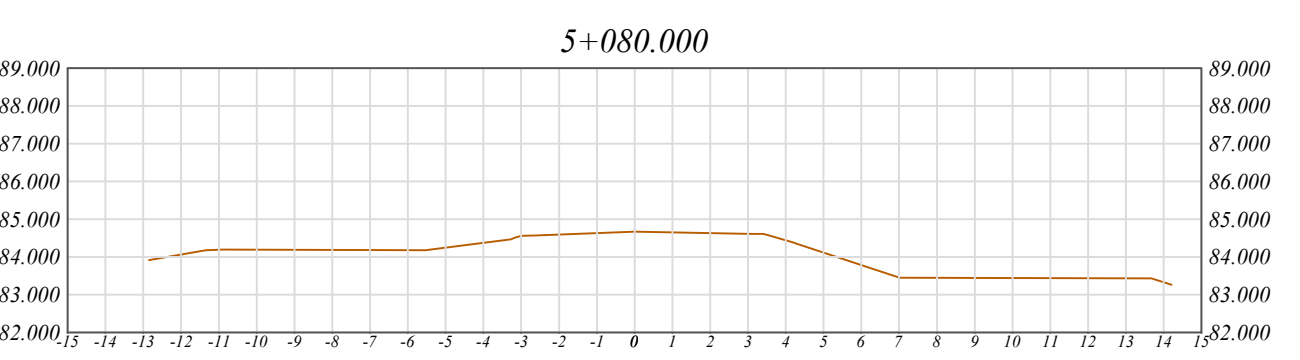
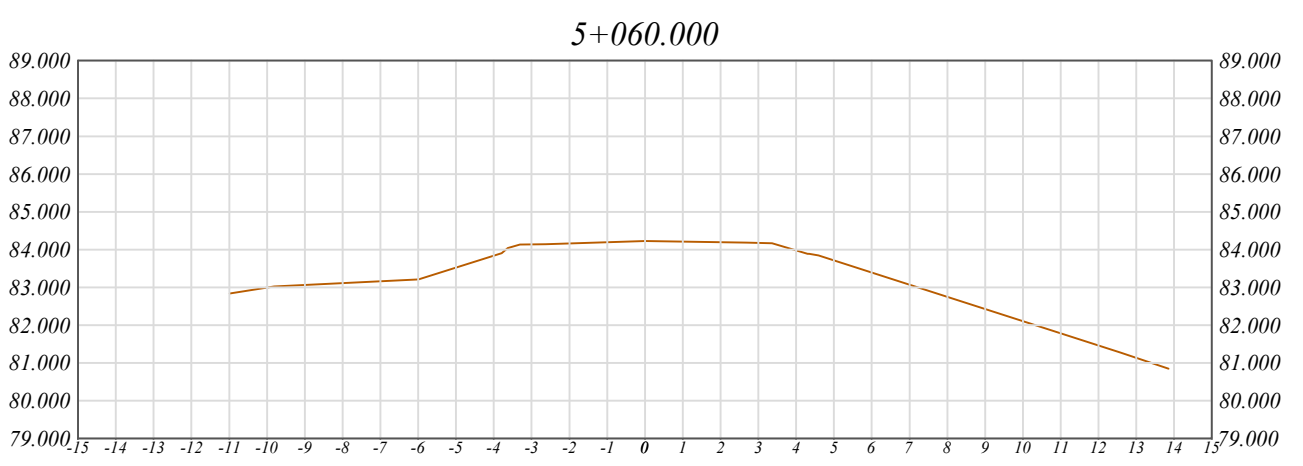
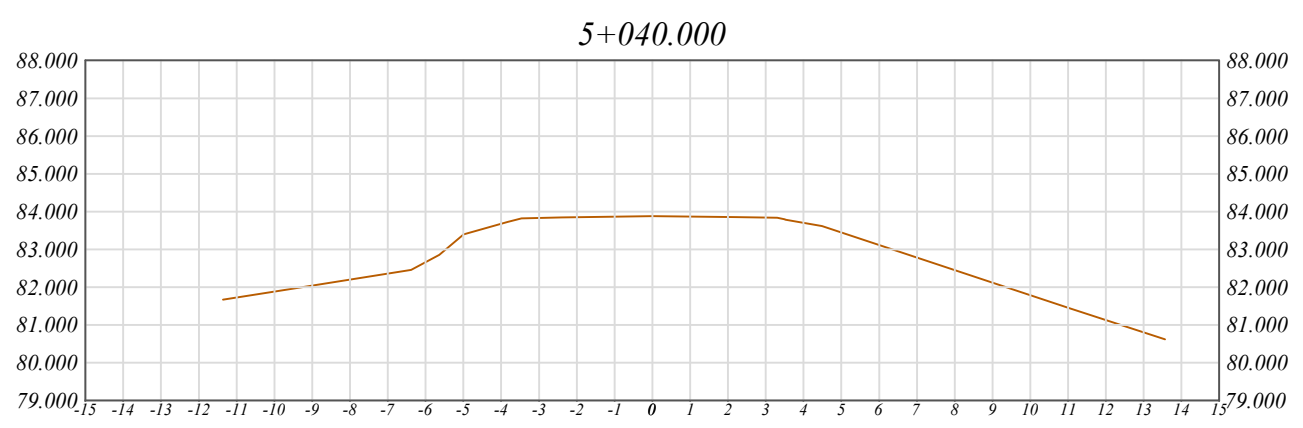
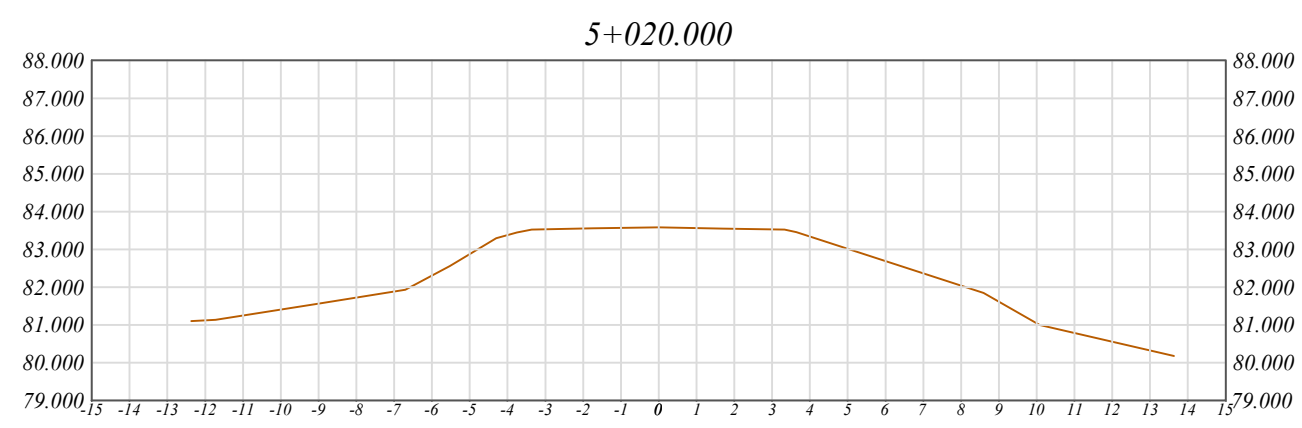
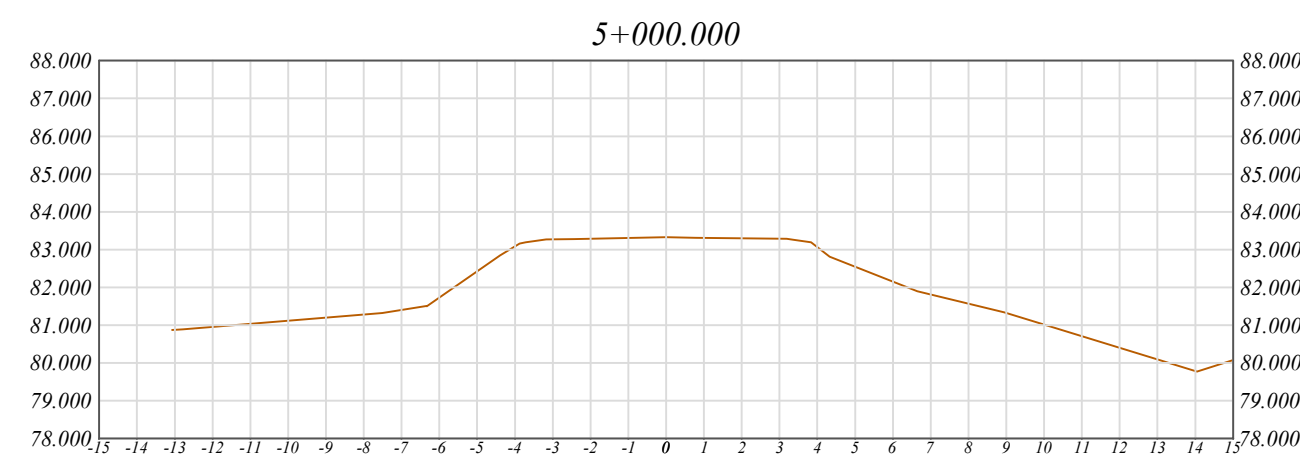












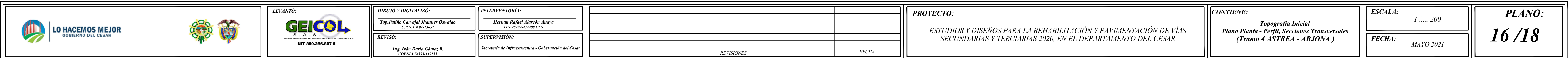
PROYECTO:  
ESTUDIOS Y DISEÑOS PARA LA REHABILITACIÓN Y PAVIMENTACIÓN DE VÍAS  
SECUNDARIAS Y TERCIARIAS 2020, EN EL DEPARTAMENTO DEL CESAR

CONTIENE:  
Topografía Inicial  
Plano Planta - Perfil, Secciones Transversales  
(Tramo 4 ASTREA - ARJONA)

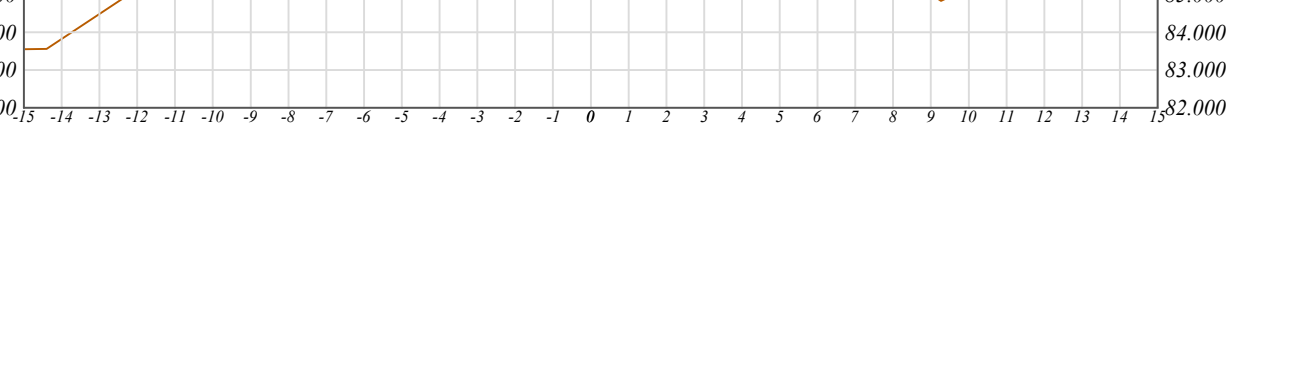
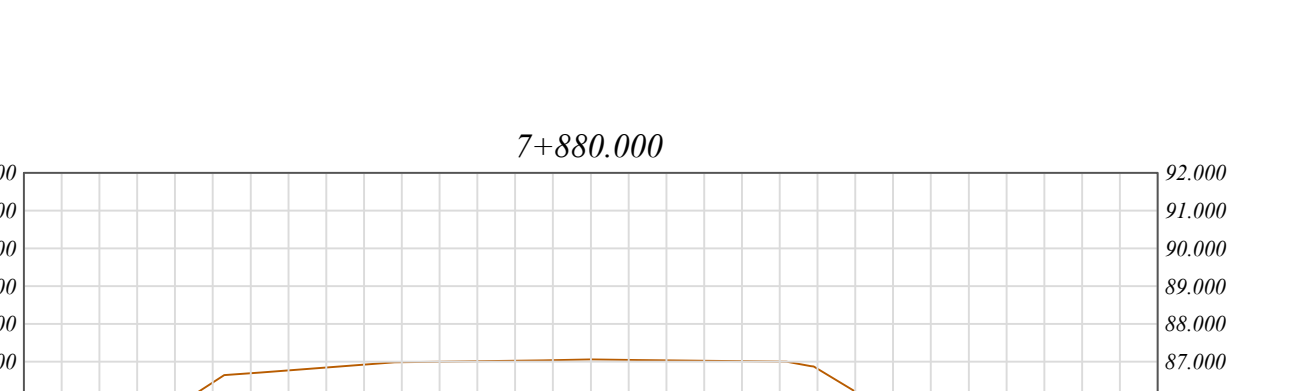
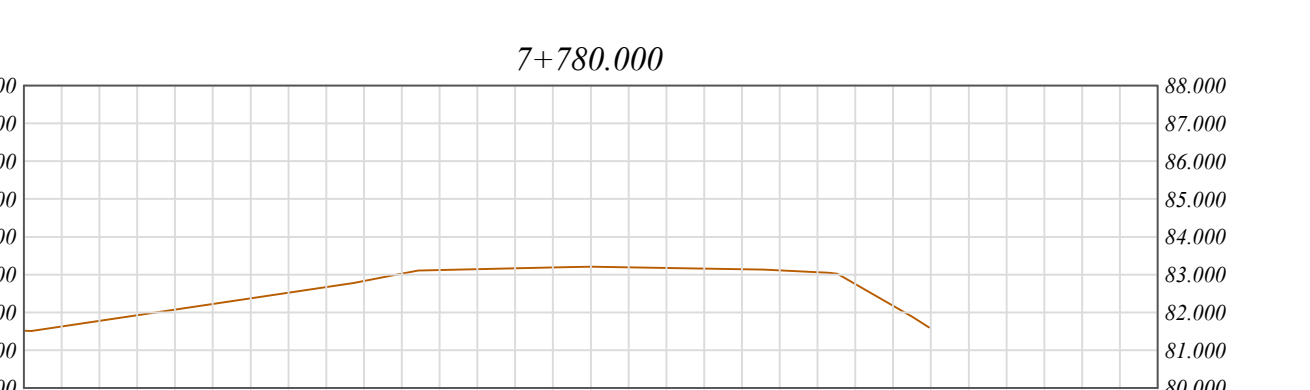
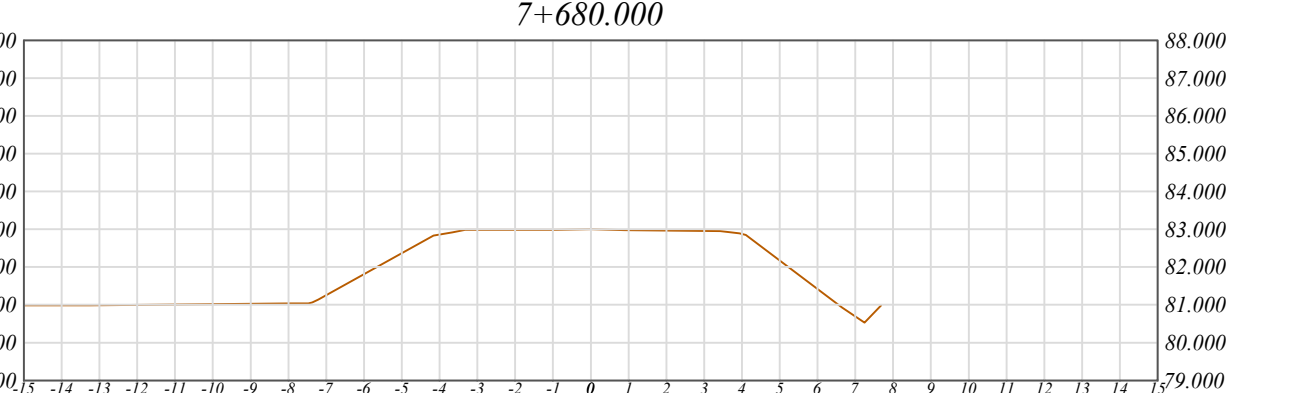
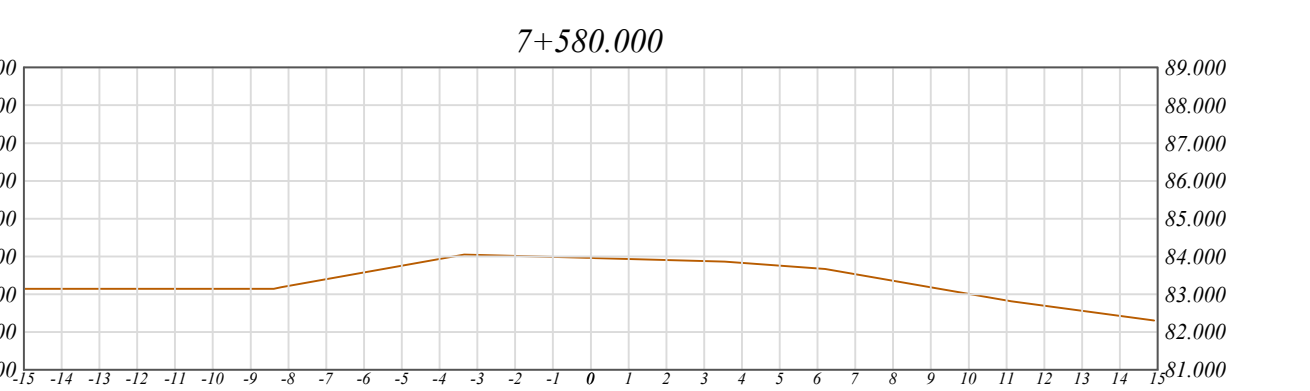
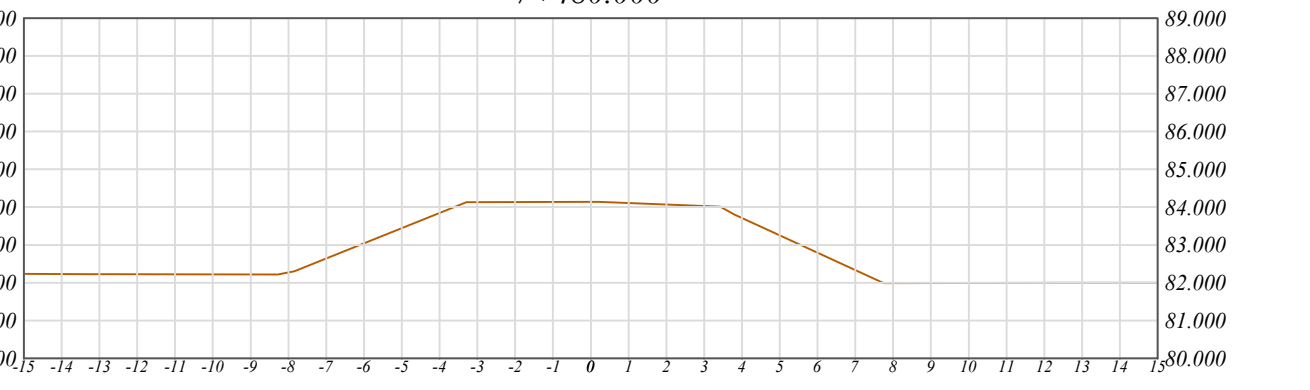
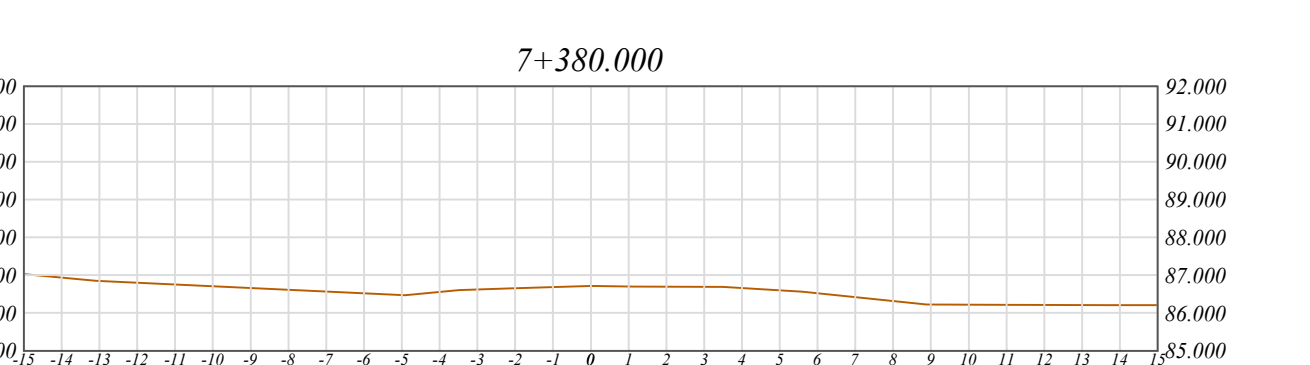
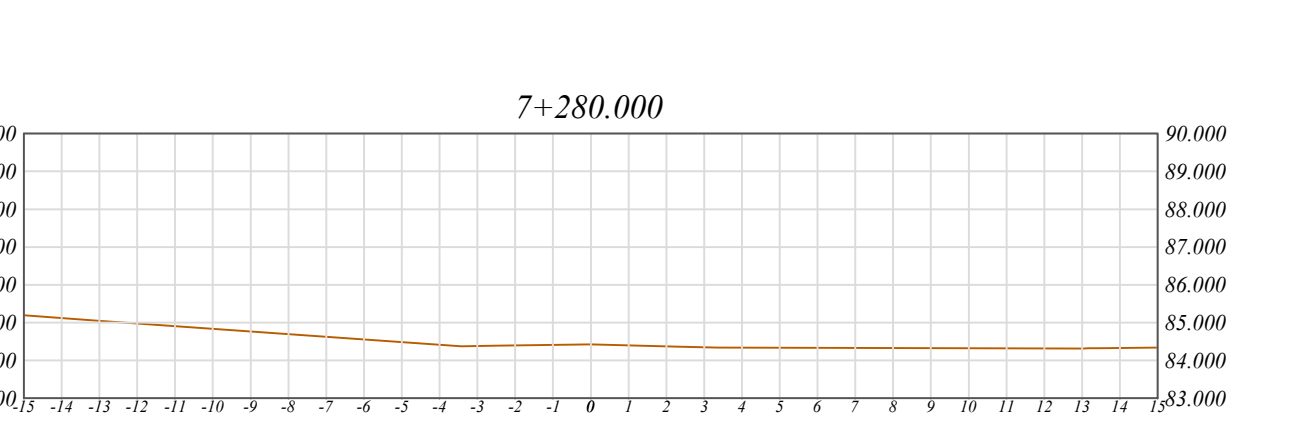
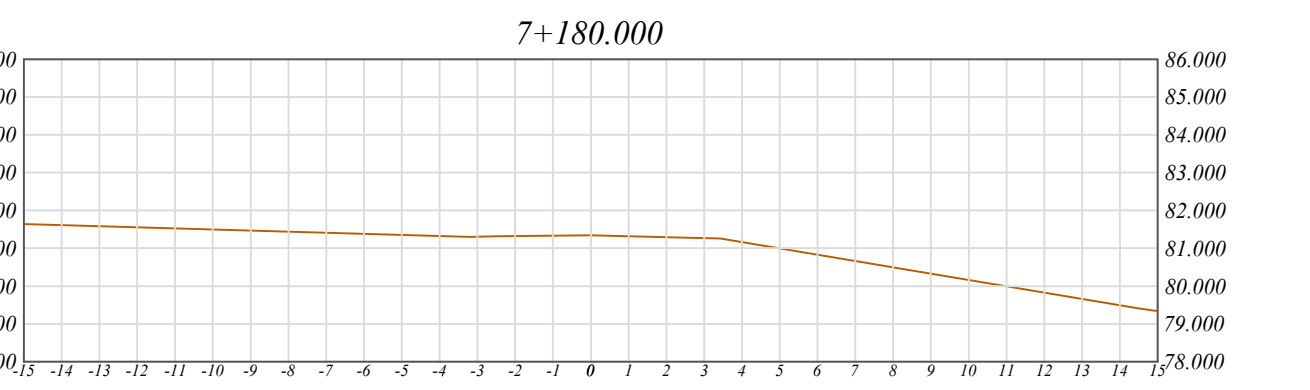
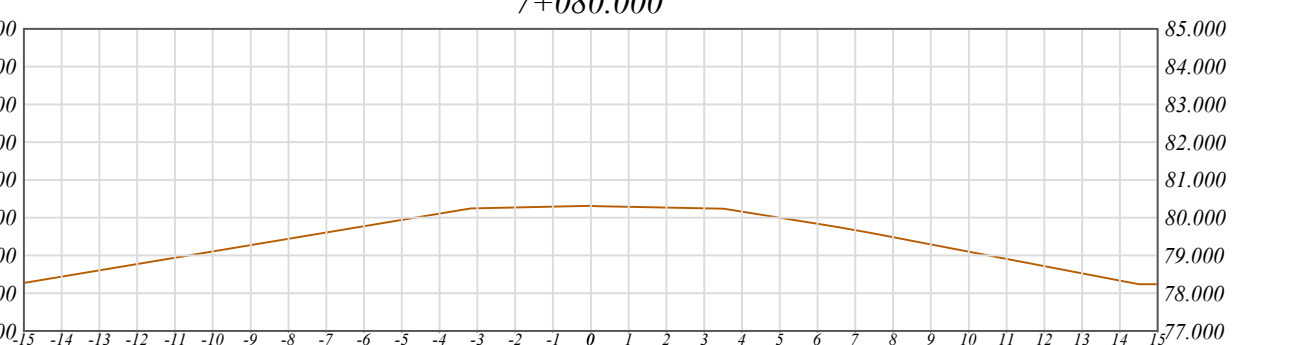
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FECHA:  
MAYO 2021

PLANO:  
15/18

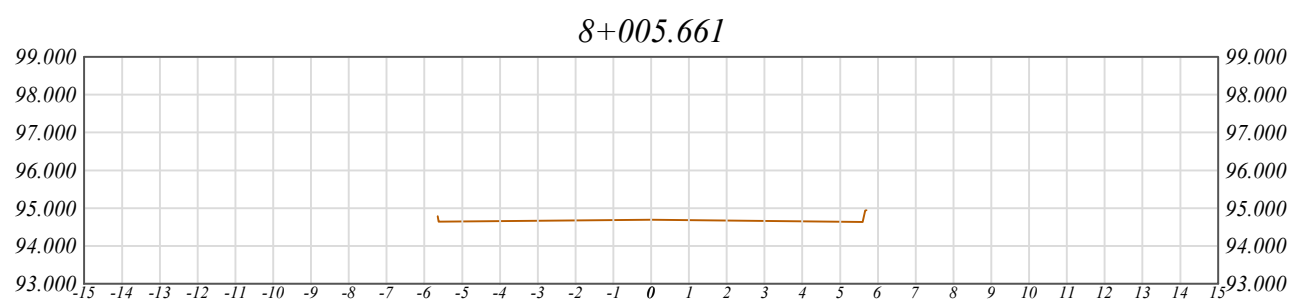
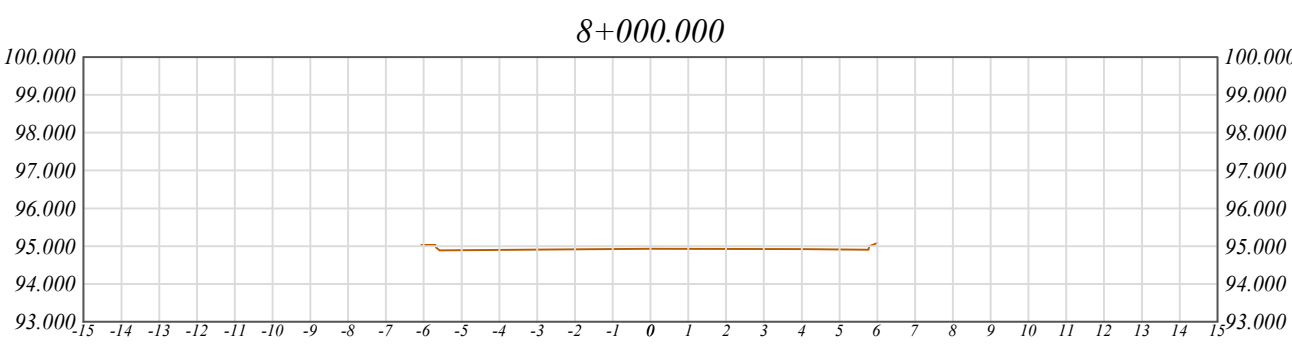
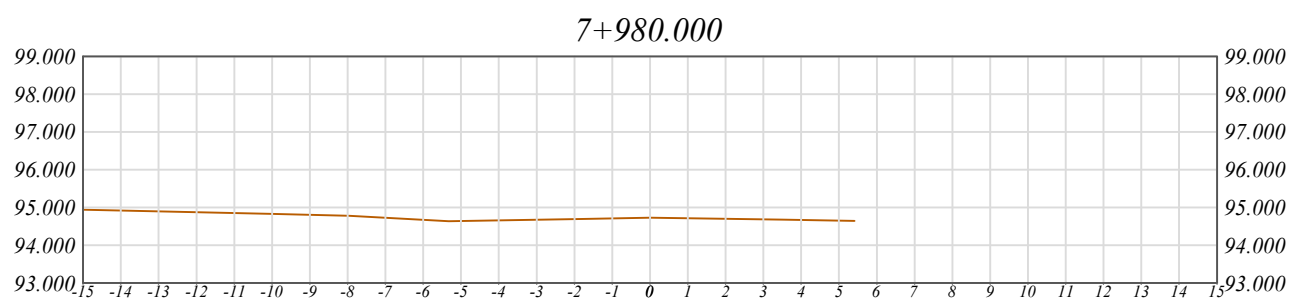
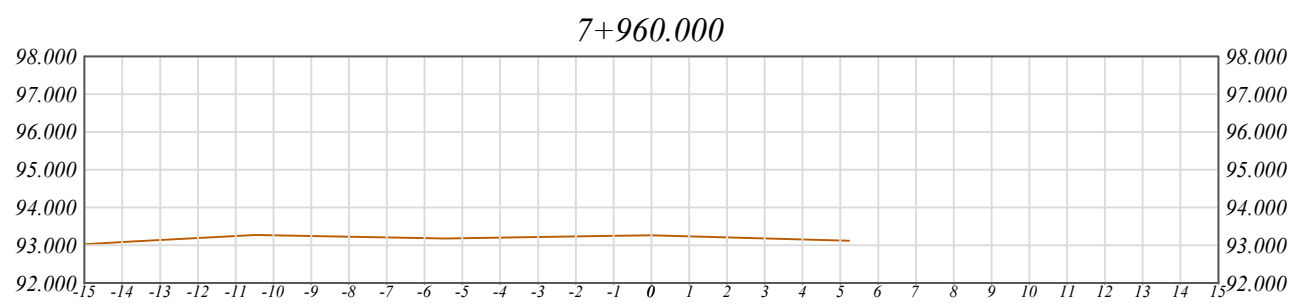
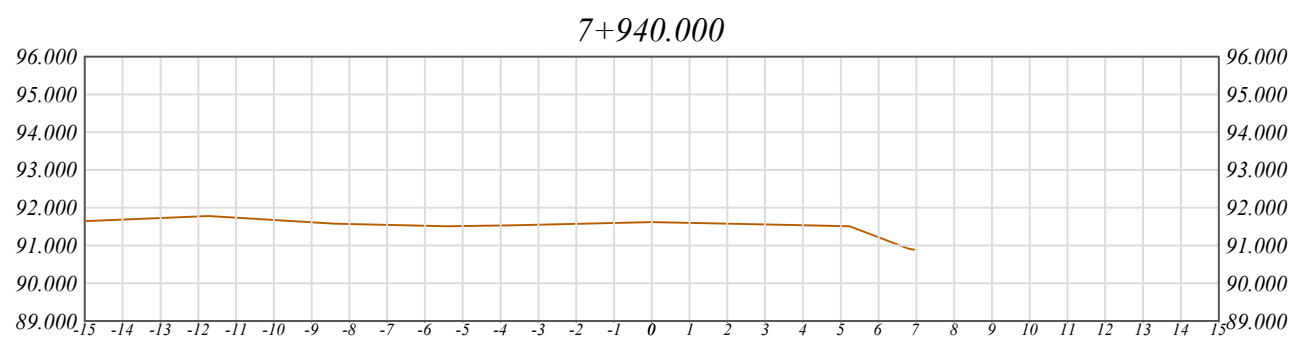
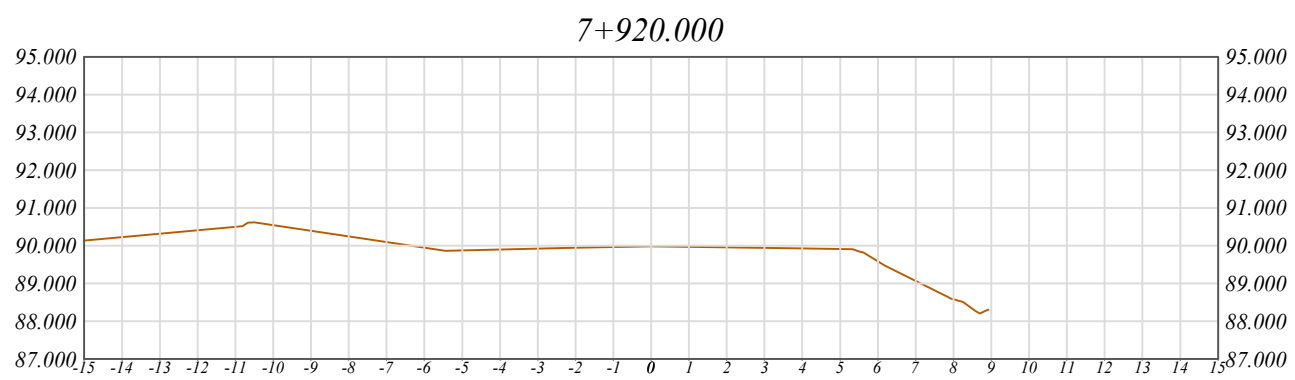
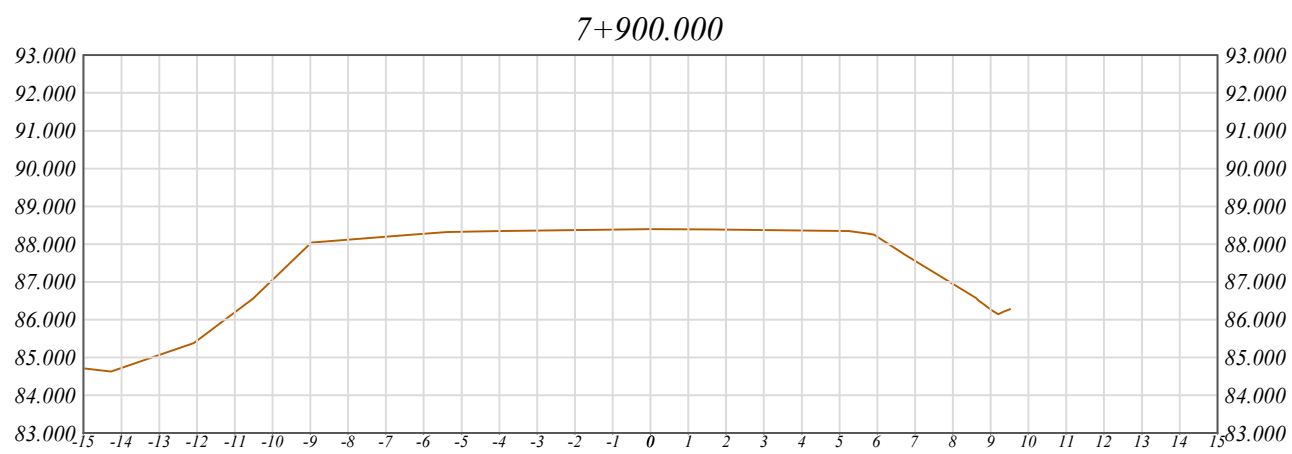












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|-----------------------------------------------------------|-------------------------------------------------------|
| DIBUJO Y DIGITALIZO:                                      | INTERVENTORIA:                                        |
| Top. Paithe Carvajal Jhanner Oswaldo<br>C.P.N.T. 81-11852 | Hernan Rafael Alarcón Anaya<br>TP-2020-434100 CES     |
| REVISO:                                                   | SUPERVISIÓN:                                          |
| Ing. Iván Darío Gómez, R.<br>COPNIA 76335-119933          | Secretaría de Infraestructura - Gobernación del Cesar |

|            |       |
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| REVISIONES | FECHA |
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| PROYECTO:                                                                                                                       |
| ESTUDIOS Y DISEÑOS PARA LA REHABILITACIÓN Y PAVIMENTACIÓN DE VÍAS<br>SECUNDARIAS Y TERCARIAS 2020, EN EL DEPARTAMENTO DEL CESAR |

|                                                                                                   |
|---------------------------------------------------------------------------------------------------|
| CONTIENE:                                                                                         |
| Topografía Inicial<br>Plano Planta - Perfil, Secciones Transversales<br>(Tramo 4 ASTREA - ARJONA) |

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| ESCALA:     |
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| FECHA:      |
| MAYO 2021   |

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| PLANO:  |
| 18 / 18 |