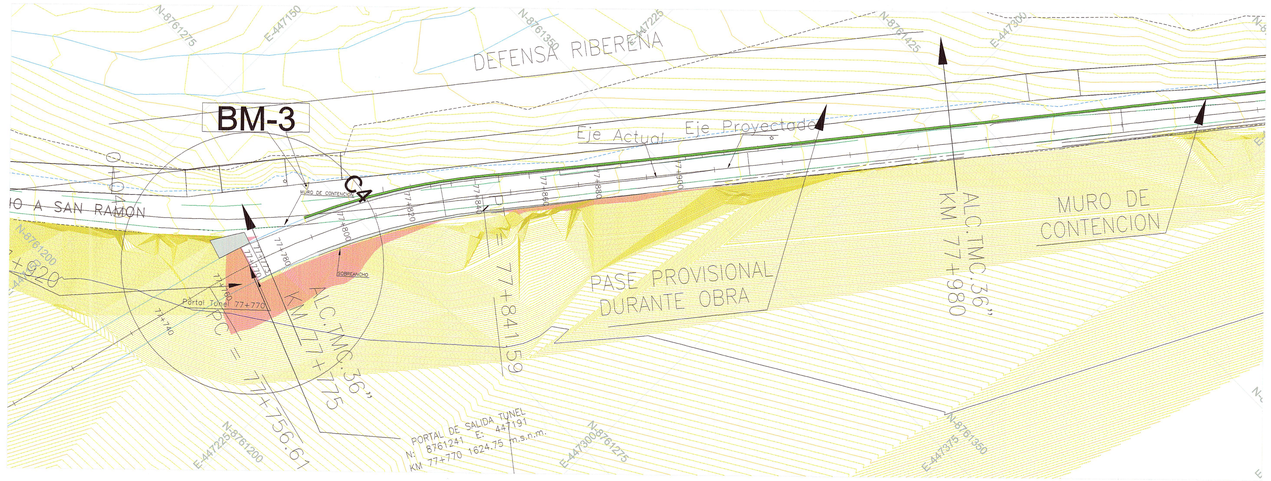
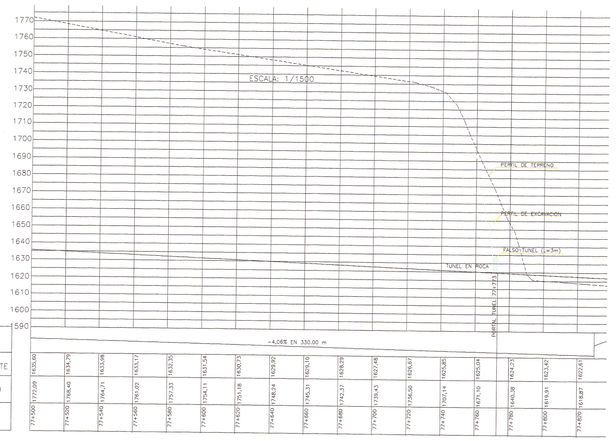



**PLANTA**
ESCALA : 1/750

**PORTAL TUNEL**
**Punto de Intersección**
**TUNEL EN ROCA - FALSO TUNEL**
**(N: 8 757 880 E: 449 510)**
ESCALA : 1/400

**MURO DE REFUERZO (HASTIAL IZQUIERDO)**
**(77+763 - 77+773)**
ESCALA : 1/250

## PERFIL TERRENO NATURAL, CORTE Y RELLENO
Esc 1/1500

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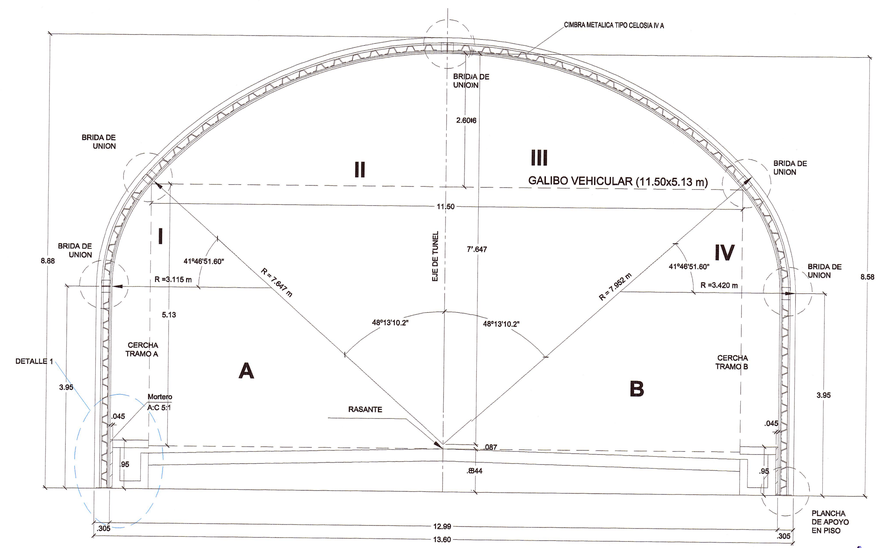
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PENDIENTE | | | | | | | | | | | | | | | | | | | | | | |
| COTA SUBRASANTE | 1635.60 | 1634.79 | 1634.38 | 1633.77 | 1632.76 | 1631.54 | 1630.73 | 1629.92 | 1629.10 | 1628.29 | 1627.48 | 1626.67 | 1625.85 | 1625.04 | 1624.23 | 1623.42 | 1622.61 | 1621.80 | 1621.00 | 1620.19 | 1619.38 | 1618.57 |
| COTA TERRENO | 1737.09 | 1706.40 | 1704.21 | 1700.02 | 1757.33 | 1754.11 | 1751.38 | 1748.24 | 1745.31 | 1743.27 | 1739.43 | 1736.50 | 1733.10 | 1729.14 | 1671.10 | 1646.38 | 1616.61 | 1616.87 | 1616.87 | 1616.87 | 1616.87 | 1616.87 |
| PROGRESIVA | 77+000 | 77+300 | 77+340 | 77+380 | 77+420 | 77+460 | 77+500 | 77+540 | 77+580 | 77+620 | 77+660 | 77+700 | 77+735 | 77+740 | 77+760 | 77+780 | 77+800 | 77+820 | 77+840 | 77+860 | 77+880 | 77+900 |

DETALLE 1
Esc: 1/25




SECCION PORTAL SALIDA
Esc: 1/50

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PERÚ | Ministerio de Transportes y Comunicaciones | Provias Nacional

| | |
|---|---|
| Jefe Estudio: NERIO ROBLES | Aprobación: |
| Especialista: | |
| Revisión: | |
| Proceso y Plotea: MARIO IGNACIO | |

ESTUDIO DEFINITIVO PARA LA CONSTRUCCION DEL TUNEL YANANGO Y ACCESOS

**PLANTA SECCION PORTAL DE SALIDA 77+700 al 77+773**

| | |
|---|---|
| FECHA: | FEBRERO 2014 |
| ESCALA FORMATO A1: | INDICADA |
| | PS-01 |