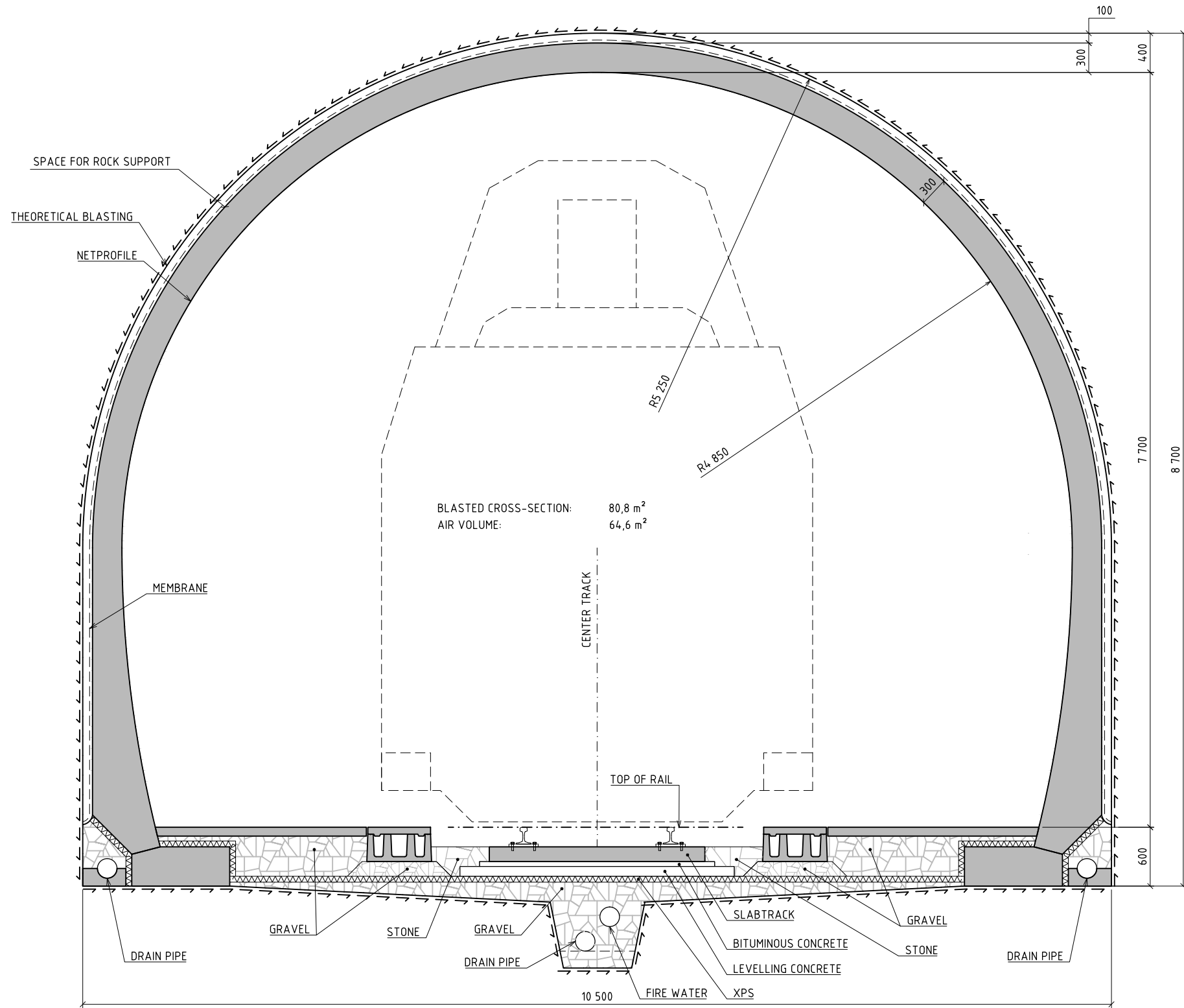

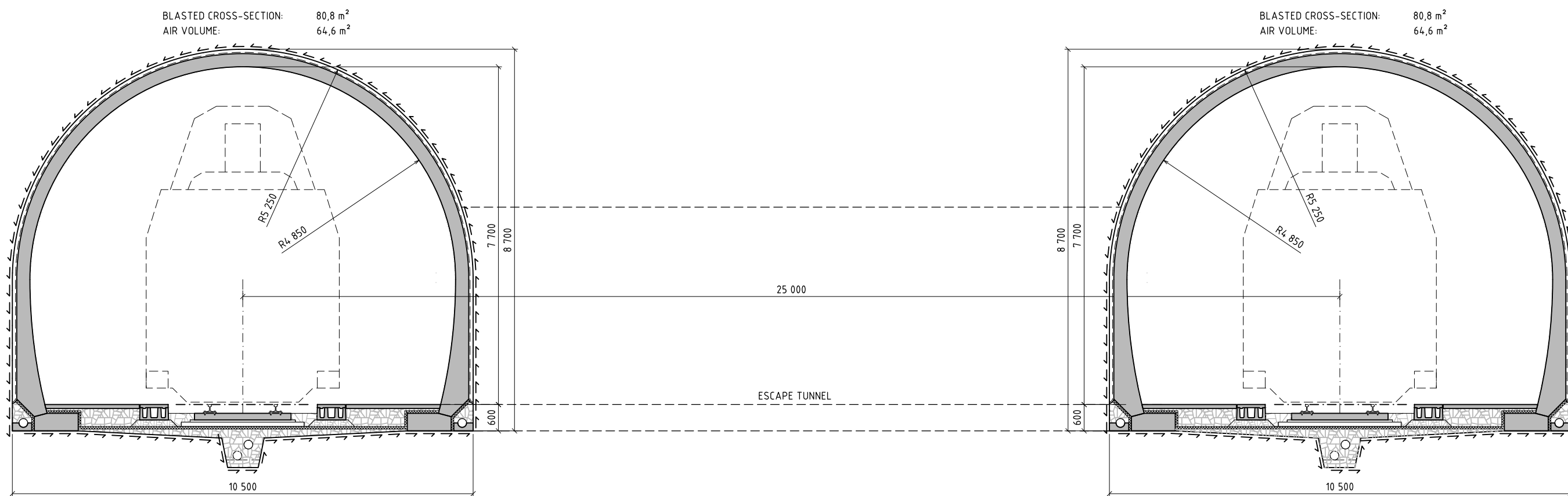


N:\S11064\00\DAK\Tunnel\Arkiv\1\Type\2.2_to_leps\umet.dwg - GAWIL - Plotdet: 2011-10-10, 14:08:52 - LAYOUT = F:\Ehelsportumet_sprengt\verranitt - XREF = A_E_TeoSprengProfil_511064.dwg

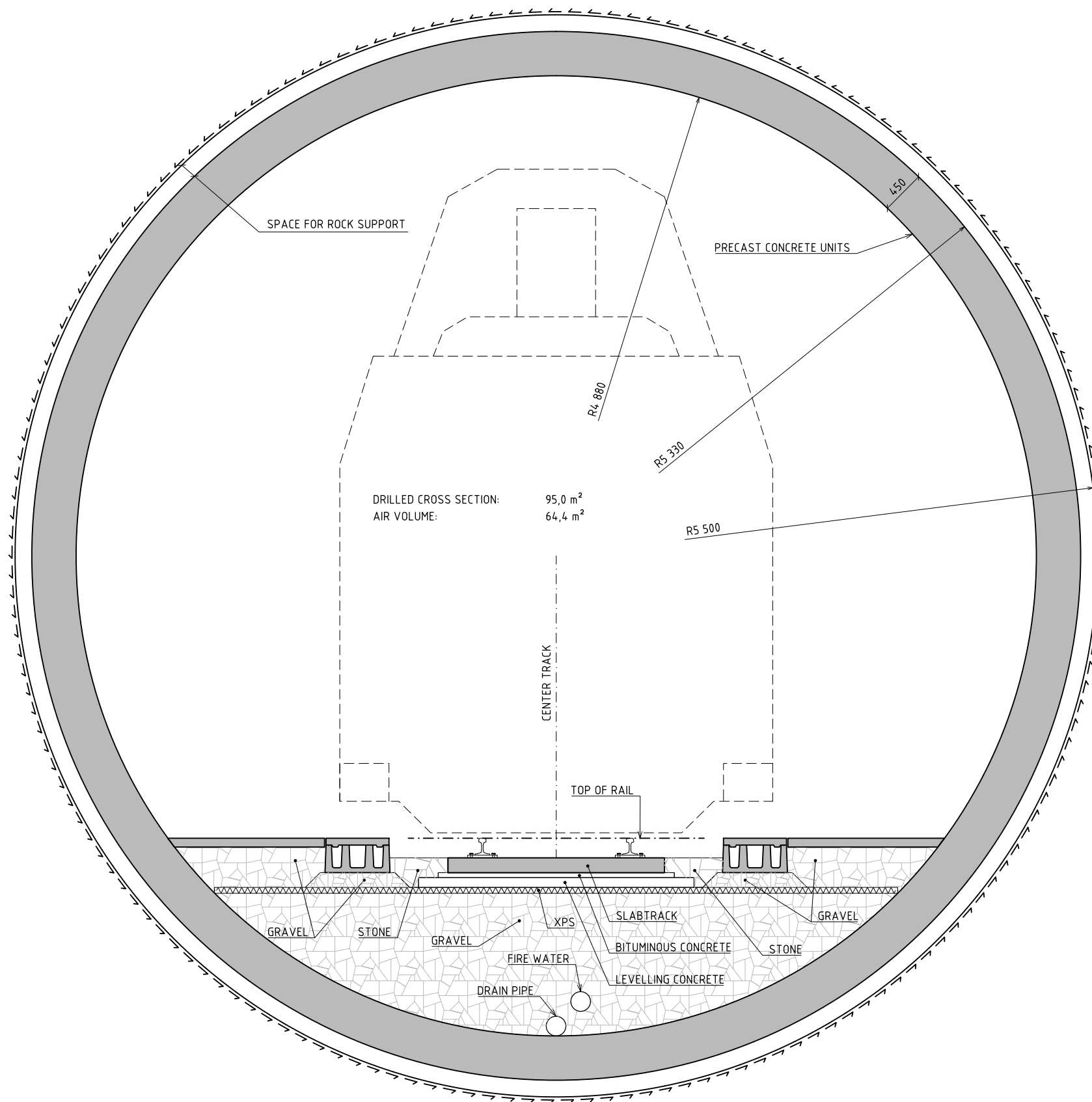


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|---|------------------|--------------------------|----------|-----------|----------|
| 00A | Final version | 2011-11-25 | GaWil | SvS | SvS |
| Rev. | Revision applies | Date | Prod. by | Contr. by | Appr. by |
| HIGH SPEED RAILWAY ASSESSMENT PROJECT, PHASE 3, CORRIDOR EAST | | Scale (A1) | | | |
| Single track tunnel, blasted cross-section | | 1:25 | | | |
| Design speed 330 km/h | | Contract nr. | 511064-0 | | |
| Producer | | NORCONULT | | | |
| Prod. draw. nr. | | | | | |
| Replacement for | | | | | |
| Replacement of | | | | | |
| Project: Norwegian High Speed Railway Assessment Project | | Document-/drawing number | | Revision | |
| Parcel: | | F-101 | | 00A | |
| Operation document-/drawing number | | Revision | | | |
|  Jernbaneverket | | | | | |



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|--|------------------|--------------------------------------|------------|-----------|----------|
| 00A | Final version | 2011-11-25 | GaWil | SvS | SvS |
| Rev. | Revision applies | Date | Prod. by | Contr. by | Appr. by |
| HIGH SPEED RAILWAY ASSESSMENT PROJECT, PHASE 3, CORRIDOR EAST | | Scale | (A1) | | |
| Two single track tunnels, blasted cross-section Design speed 330 km/h | | Scale | 1:50 | | |
| Project: Norwegian High Speed Railway Assessment Project | | Contract nr. | 5110640 | | |
| Parcel: F-102 | | Producer | Norconsult | | |
| Operation document - /drawing number | | Prod. draw. nr. | | | |
| Revision | | Replacement for: | | | |
| Revision | | Replacement of: | | | |
| Revision | | Document - /drawing number | | | |
| Revision | | Operation document - /drawing number | | | |

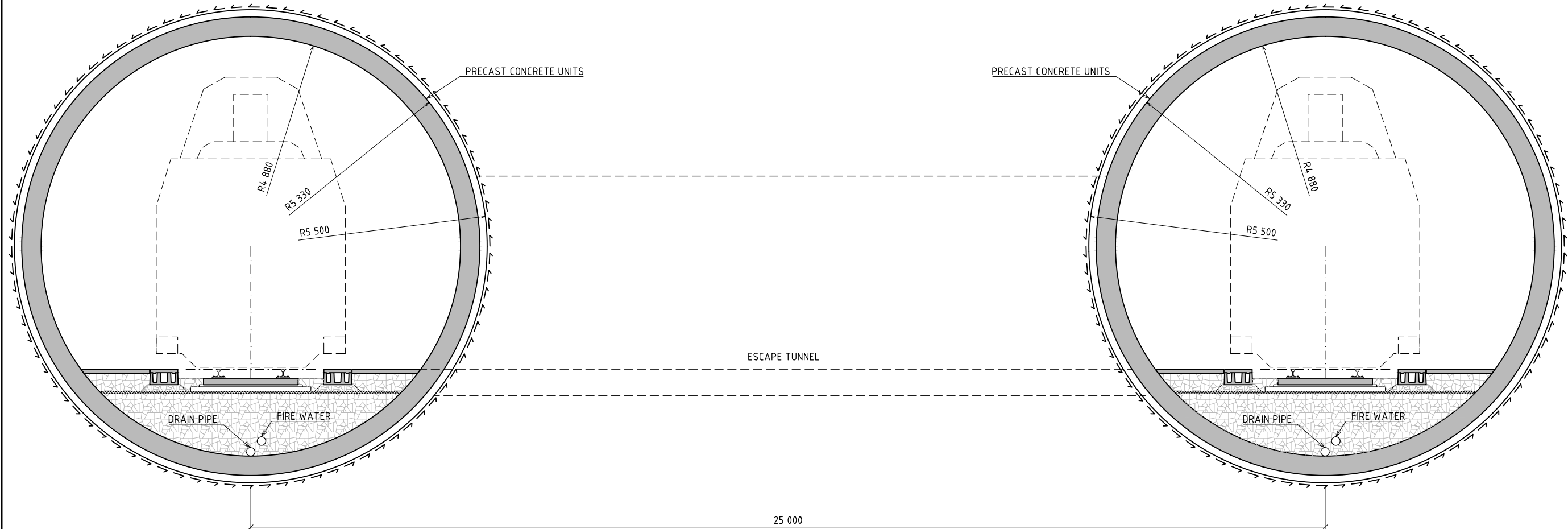




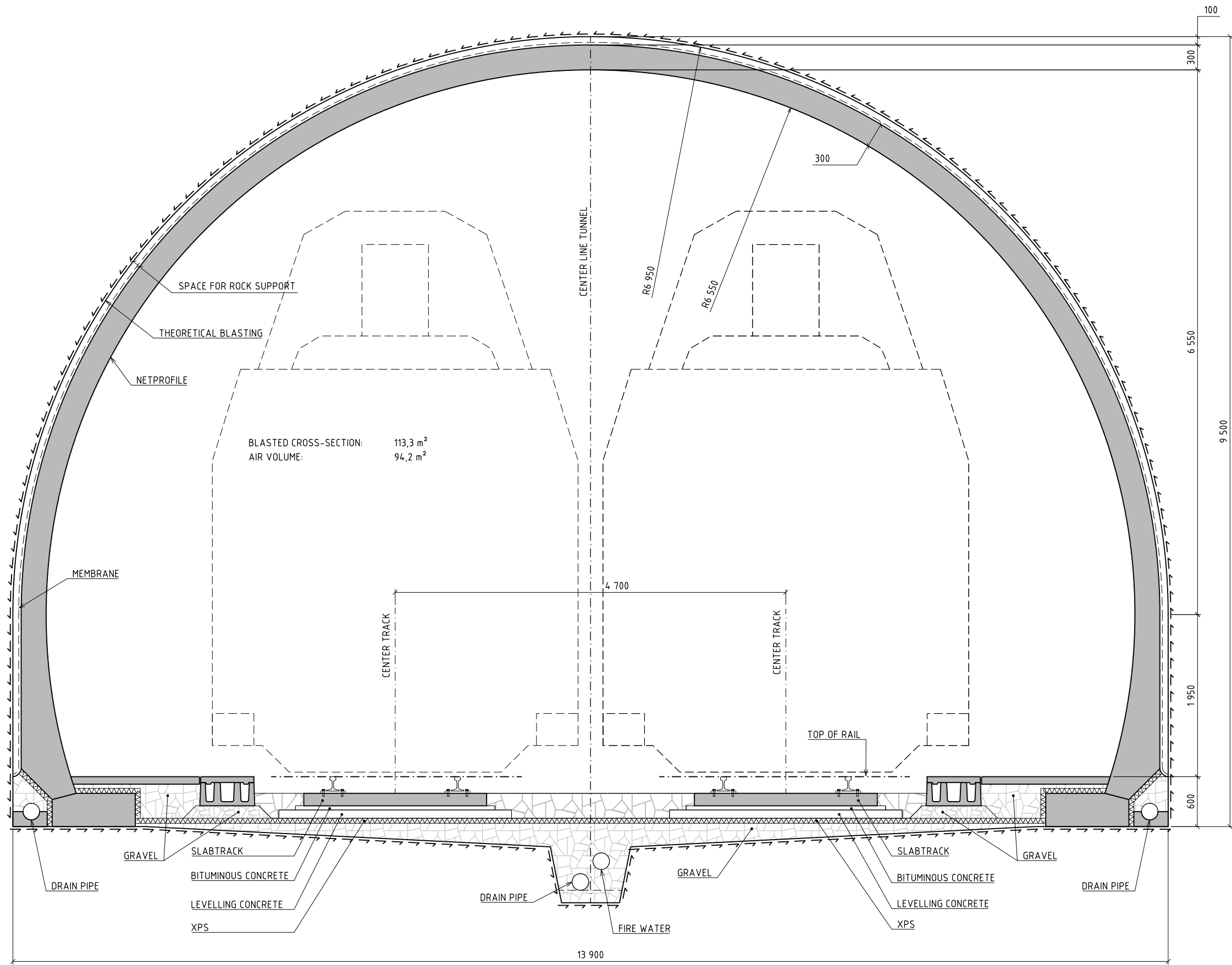
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|----------|---|-----------------|------------------------------------|-----------|----------|
| 00A | Final version | 2011-11-25 | GaWil | SvS | SvS |
| Rev. | Revision applies | Date | Prod. by | Contr. by | Appr. by |
| | | Scale | (A1) | | |
| | | 1:25 | | | |
| | | Contract nr. | 5110640 | | |
| | | Producer | Norconsult | | |
| | | Prod. draw. nr. | | | |
| | | Replacement for | | | |
| | | Replacement of | | | |
| Project: | Norwegian High Speed Railway Assessment Project | | Document-/drawing number | Revision | |
| Parcel: | F-103 | | 00A | | |
| | | | Operation document-/drawing number | Revision | |

DRILLED CROSS SECTION: 95,0 m²
 AIR VOLUME: 64,4 m³

DRILLED CROSS SECTION: 95,0 m²
 AIR VOLUME: 64,4 m³



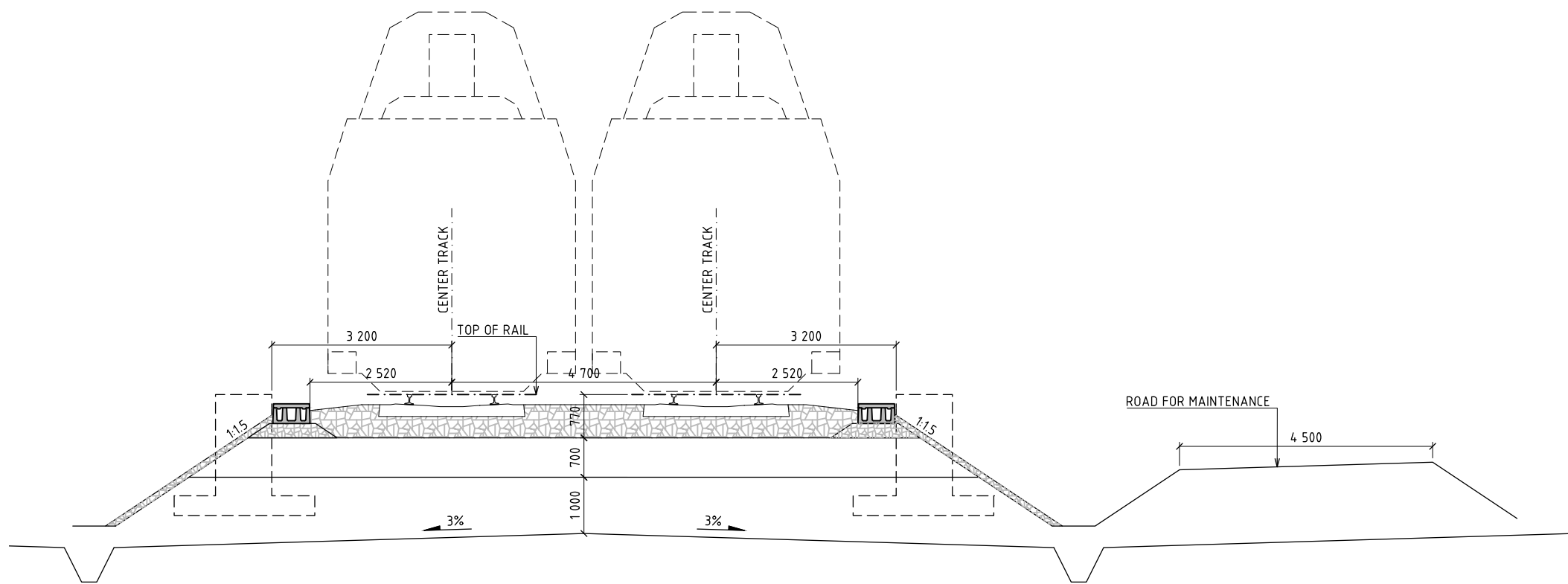
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| 00A | Final version | 2011-11-25 | GaWil | SvS | SvS |
| Rev. | Revision applies | Date | Prod. by | Contr. by | Appr. by |
| HIGH SPEED RAILWAY ASSESSMENT PROJECT, PHASE 3, CORRIDOR EAST | | Scale | (A1) | | |
| Two single track tunnels, drilled with TBM | | 1:50 | | | |
| Design speed 330 km/h | | Contract nr. | 5110640 | | |
| Producer | | NORconsult | | | |
| Prod. draw. nr. | | | | | |
| Replacement for | | | | | |
| Replacement of | | | | | |
| Project: Norwegian High Speed Railway Assessment Project | | Document-/drawing number | | Revision | |
| Parcel: | | F-104 | | 00A | |
| Operation document-/drawing number | | Revision | | | |
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N:\511065\511064\0\DKA\Tunnel\Arkt\Tipe1,2,3_to_4apstunnel.dwg - gawil - Plotref: 01.07.2011 16:07:25 - LAN\OUT_5-Dobbeltspurtunnel_sprengt_tverrsnitt - XREF = A_F_TesSprengProfil_5110640

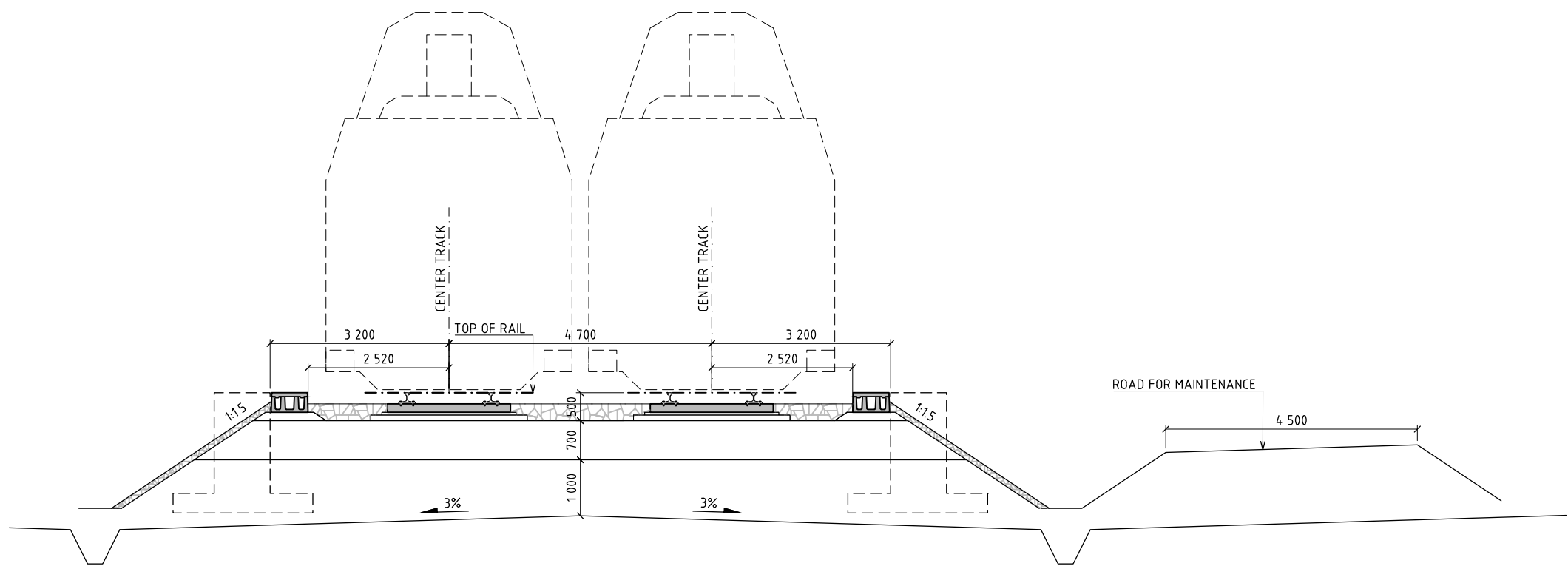
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|---|-----------------|------------------------------------|-----------|----------|
| 00A Final version | 2011-11-25 | GaWil | SvS | SvS |
| Rev. Revision applies | Date | Prod. by | Contr. by | Appr. by |
| | Scale 1:25 (A1) | | | |
| HIGH SPEED RAILWAY ASSESSMENT PROJECT, PHASE 3, CORRIDOR EAST | | Contract nr. 5110640 | | |
| Double track tunnel, blasted cross-section | | Producer Norconsult | | |
| Design speed 330 km/h | | Prod. draw. nr. | | |
| Replacement for | | Replacement of | | |
| Project: Norwegian High Speed Railway Assessment Project | | Document-/drawing number | | Revision |
| Parcel: | | F-105 | | 00A |
| | | Operation document-/drawing number | | Revision |
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N:\S11\061511064\0\DAK\Tunnel\Ark\1\F-110.dwg - G:\WIL - GaWil - Plohtet: 2011-11-22: 16:25:48 - XREF = A_F_Normalprofil_dagsene_511064.d

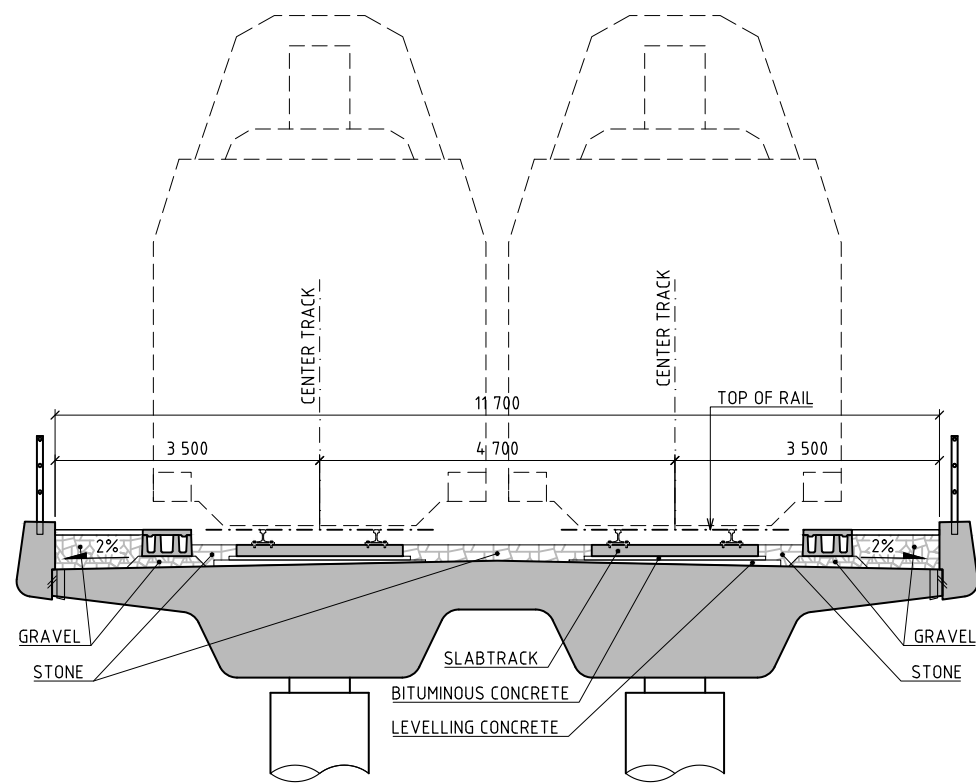


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|---|------------------|--------------------------|-----------------------|-----------|----------|
| 00A | Final version | 2011-11-25 | GaWil | SvS | SvS |
| Rev. | Revision applies | Date | Prod. by | Contr. by | Appr. by |
| HIGH SPEED RAILWAY ASSESSMENT PROJECT, PHASE 3, CORRIDOR EAST Standard section Design speed 250 km/h | | Scale (A1) 1:50 | Contract nr. 511064.0 | | |
| Producer | | Norema | | | |
| Prod. draw. nr. | | | | | |
| Replacement for | | | | | |
| Replacement of | | | | | |
| Project: Norwegian High Speed Railway Assessment Project | | Document-/drawing number | | Revision | |
| Parcel: | | F-110 | | 00A | |
| Operation document-/drawing number | | Revision | | | |
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|---|------------------|--------------------------|----------|-----------|----------|
| 00A | Final version | 2011-11-25 | GaWil | SvS | SvS |
| Rev. | Revision applies | Date | Prod. by | Contr. by | Appr. by |
| HIGH SPEED RAILWAY ASSESSMENT PROJECT, PHASE 3, CORRIDOR EAST Standard section Design speed 330 km/h | | Scale (A1) | 1:50 | | |
| Producer | | Norema | | | |
| Prod. draw. nr. | | | | | |
| Replacement for | | | | | |
| Replacement of | | | | | |
| Project: Norwegian High Speed Railway Assessment Project | | Document-/drawing number | | Revision | |
| Parcel: | | F-112 | | 00A | |
| Operation document-/drawing number | | Revision | | | |
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N:\S11\06\511064\0\DAK\Kunne\K1\F-120.dwg - Gåll - P01ret, 2011-11-22, 15:48:09, XREF = A.F., P:\progr\1_511064.rvt

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|---|------------------|----------------------------|----------|-----------|----------|
| 00A | Final version | 2011-11-25 | Gåll | SvS | SvS |
| Rev. | Revision applies | Date | Prod. by | Contr. by | Appr. by |
| HIGH SPEED RAILWAY ASSESSMENT PROJECT, PHASE 3, CORRIDOR EAST Standard section, bridge Design speed 330 km/h | | Scale (A1) | 1:50 | | |
| Project: Norwegian High Speed Railway Assessment Project | | Contract nr. | 511064-0 | | |
| Parcel: | | Prod. draw. nr. | Norema | | |
| Operation document - /drawing number | | Replacement for: | | | |
| F-120 | | Replacement of: | | | |
| Jernbaneverket | | Document - /drawing number | Revision | | |
| | | | 00A | | |