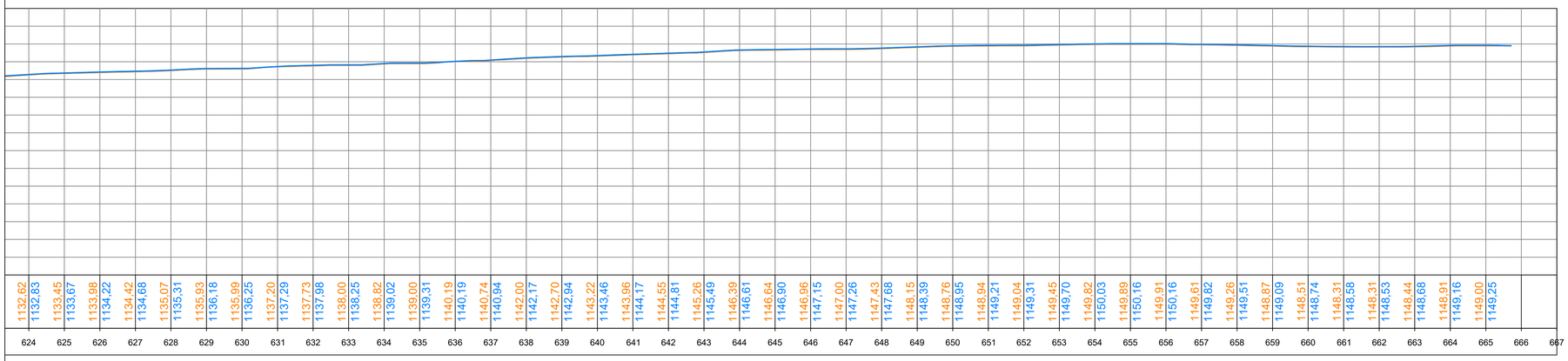
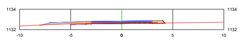
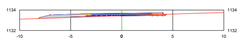



624+0.00



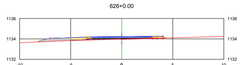
| EST.624+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.46 | 6.47 | 9717.61 |
| ATERRO | 0.44 | 9.40 | 7129.38 |

625+0.00



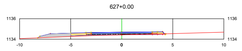
| EST.625+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.32 | 7.79 | 9725.40 |
| ATERRO | 0.99 | 14.57 | 7143.94 |

626+0.00



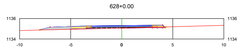
| EST.626+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.22 | 5.43 | 9730.83 |
| ATERRO | 0.98 | 19.65 | 7163.60 |

627+0.00



| EST.627+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.10 | 3.12 | 9733.94 |
| ATERRO | 1.16 | 22.68 | 7186.28 |

628+0.00



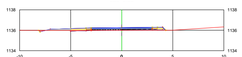
| EST.628+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.18 | 2.69 | 9736.63 |
| ATERRO | 0.81 | 21.07 | 7207.35 |

629+0.00



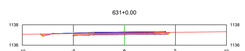
| EST.629+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.07 | 2.53 | 9739.17 |
| ATERRO | 0.48 | 13.49 | 7220.84 |

630+0.00



| EST.630+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.12 | 1.83 | 9741.00 |
| ATERRO | 0.50 | 9.42 | 7230.26 |

631+0.00



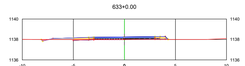
| EST.631+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 1.70 | 18.12 | 9759.13 |
| ATERRO | 0.09 | 5.87 | 7236.12 |

632+0.00



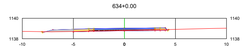
| EST.632+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.03 | 17.34 | 9776.47 |
| ATERRO | 0.51 | 6.10 | 7242.22 |

633+0.00



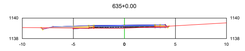
| EST.633+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.22 | 2.56 | 9779.02 |
| ATERRO | 0.36 | 8.79 | 7251.01 |

634+0.00



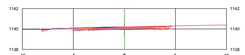
| EST.634+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.47 | 6.89 | 9785.91 |
| ATERRO | 0.48 | 8.39 | 7259.40 |

635+0.00



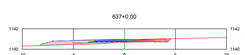
| EST.635+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.29 | 7.52 | 9793.43 |
| ATERRO | 0.46 | 9.12 | 7268.52 |

636+0.00



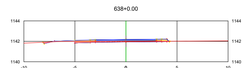
| EST.636+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 2.24 | 25.23 | 9818.66 |
| ATERRO | 0.15 | 6.08 | 7274.60 |

637+0.00



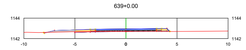
| EST.637+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.91 | 31.70 | 9850.36 |
| ATERRO | 1.07 | 16.55 | 7291.15 |

638+0.00



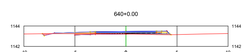
| EST.638+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.85 | 17.68 | 9868.03 |
| ATERRO | 0.16 | 17.34 | 7308.49 |

639+0.00



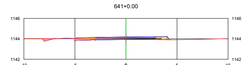
| EST.639+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.20 | 10.41 | 9878.45 |
| ATERRO | 0.46 | 6.11 | 7314.60 |

640+0.00



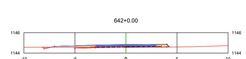
| EST.640+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.41 | 6.04 | 9884.48 |
| ATERRO | 0.44 | 9.02 | 7323.62 |

641+0.00



| EST.641+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.70 | 11.04 | 9895.52 |
| ATERRO | 0.15 | 5.92 | 7329.54 |

642+0.00



| EST.642+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.24 | 9.45 | 9904.97 |
| ATERRO | 0.32 | 4.76 | 7334.29 |

643+0.00



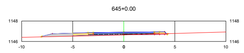
| EST.643+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.34 | 5.75 | 9910.72 |
| ATERRO | 0.18 | 4.98 | 7339.27 |

644+0.00



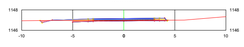
| EST.644+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.29 | 6.27 | 9916.99 |
| ATERRO | 0.74 | 9.22 | 7348.49 |

645+0.00



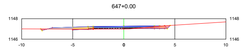
| EST.645+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.12 | 4.06 | 9921.06 |
| ATERRO | 0.99 | 17.31 | 7365.80 |

646+0.00



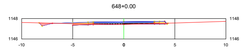
| EST.646+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.76 | 8.77 | 9929.83 |
| ATERRO | 0.15 | 11.44 | 7377.25 |

647+0.00



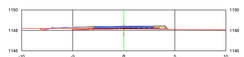
| EST.647+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.65 | 14.17 | 9944.00 |
| ATERRO | 0.36 | 5.22 | 7382.47 |

648+0.00



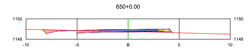
| EST.648+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.64 | 13.20 | 9957.21 |
| ATERRO | 0.09 | 4.97 | 7387.44 |

649+0.00



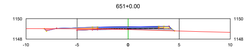
| EST.649+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.38 | 10.26 | 9967.46 |
| ATERRO | 0.34 | 4.31 | 7391.75 |

650+0.00



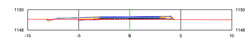
| EST.650+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 1.20 | 15.74 | 9983.20 |
| ATERRO | 0.13 | 4.72 | 7396.47 |

651+0.00



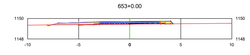
| EST.651+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.46 | 15.87 | 9999.08 |
| ATERRO | 0.60 | 7.40 | 7403.87 |

652+0.00



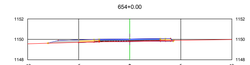
| EST.652+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.16 | 6.21 | 10005.28 |
| ATERRO | 0.52 | 11.21 | 7415.08 |

653+0.00



| EST.653+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.08 | 2.16 | 10007.44 |
| ATERRO | 0.42 | 8.63 | 7423.70 |

654+0.00



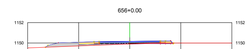
| EST.654+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.31 | 3.88 | 10011.33 |
| ATERRO | 0.59 | 9.02 | 7432.72 |

655+0.00



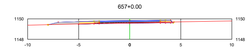
| EST.655+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.13 | 4.58 | 10015.90 |
| ATERRO | 1.34 | 17.22 | 7449.94 |

656+0.00



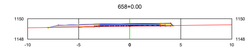
| EST.656+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.19 | 3.39 | 10019.29 |
| ATERRO | 1.35 | 23.99 | 7473.93 |

657+0.00



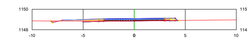
| EST.657+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.43 | 8.23 | 10028.52 |
| ATERRO | 0.53 | 18.51 | 7492.44 |

658+0.00



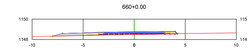
| EST.658+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.07 | 5.08 | 10030.60 |
| ATERRO | 0.56 | 10.72 | 7503.16 |

659+0.00



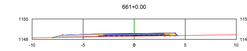
| EST.659+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.41 | 4.80 | 10035.40 |
| ATERRO | 0.25 | 8.10 | 7511.26 |

660+0.00



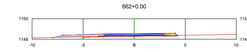
| EST.660+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.18 | 5.89 | 10041.29 |
| ATERRO | 0.69 | 9.42 | 7520.67 |

661+0.00



| EST.661+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.00 | 1.82 | 10043.11 |
| ATERRO | 0.78 | 14.79 | 7535.47 |

662+0.00



| EST.662+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.25 | 2.51 | 10045.61 |
| ATERRO | 0.47 | 12.50 | 7547.96 |

663+0.00



| EST.663+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.09 | 3.35 | 10048.96 |
| ATERRO | 0.79 | 12.62 | 7560.58 |

664+0.00



| EST.664+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.10 | 1.81 | 10050.78 |
| ATERRO | 1.04 | 18.33 | 7578.92 |

665+0.00



| EST.665+0.00 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 0.22 | 3.15 | 10053.93 |
| ATERRO | 0.38 | 14.20 | 7592.11 |

665+14.38



| EST.665+14.38 | | | |
|---|---|---|---|
| TIPO | ÁREA (m2) | VOLUME (m3) | VOLUME ACUMULADO (m3) |
| CORTE | 3.00 | 23.18 | 10077.10 |
| ATERRO | 0.00 | 2.71 | 7595.82 |

**NOTA.**

- **Recomenda-se a verificação das cotas de níveis in loco.**
- **Antes do início dos trabalhos, deverá ser executada a limpeza da camada vegetal e remoção de solos orgânicos em toda a área de projeção do pavimento.**
- **Para garantir o escoamento, as seções transversais devem respeitar a declividade mínima de 1% (ou conforme projeto) de borda para borda.**
- **Os taludes de corte deverão ter inclinação de 1:1 e os de aterro 1,5:1.**

**Escala perfis transversais: 1/300**
**Escala perfil longitudinal: 1/1500**

**LEGENDA**

CORTE ATERRO


INSTITUTO RUAS
AV. CÂNDIDO DE ABREU, 526 - CENTRO CÍVICO - CURITIBA PR
CNPJ: 44.571.860/0001-50
TELEFONE: (41) 9 9241-0550 - 33424184
E-MAIL: contato@instituturuas.com.br


ASSINATURA:

RESPONSÁVEL TÉCNICO
ALEXSANDER MASCHIO
ENG. CIVIL - CREA/PR - 70.043/D

PREFEITURA DE BALSA NOVA - PR
CNPJ: 76.105.527/0001-42

DESCRIÇÃO: PROJETO DE TERRAPLANAGEM - CORTES E ATERROS

LOCALIZAÇÃO: ESTRADA DA LAGE - BALSA NOVA_PR

COORD. INICIAL: X: 629036.27m E. Y: 7184100.58m S.
COORD. FINAL: X: 626136.40m E. Y: 7194900.40m S.

| EXTENSÃO: | ESCALA: | DESENHO: | DATA: | PRANCHA: |
|---|---|---|---|---|
| 13.285.01 m | INDICADA | IRUAS | 02/04/2026 | 13 |

A1