

| TABELA DE DAS ESTACAS - TRECHO BP-2 | | | | | | |
|-------------------------------------|--------------|------------|------|------|-------------------------|---------------------|
| ESTACA | NORTE | ESTE | TIPO | Ø | COTA DE ARRASAMENTO (m) | COMPRIMENTO ÚTL (m) |
| E143 | 7.468.832,79 | 680.647,95 | RAIZ | 20cm | 2,90 | 13,0 (*) |
| E144 | 7.468.833,31 | 680.647,21 | RAIZ | 20cm | 2,90 | 13,0 (*) |
| E145 | 7.468.827,47 | 680.644,22 | RAIZ | 20cm | 2,90 | 13,0 (*) |
| E146 | 7.468.827,99 | 680.643,48 | RAIZ | 20cm | 2,90 | 13,0 (*) |
| E147 | 7.468.822,15 | 680.640,49 | RAIZ | 20cm | 2,90 | 13,0 (*) |
| E148 | 7.468.822,66 | 680.639,75 | RAIZ | 20cm | 2,90 | 13,0 (*) |
| E149 | 7.468.816,83 | 680.636,75 | RAIZ | 20cm | 2,90 | 13,0 (*) |
| E150 | 7.468.811,34 | 680.635,02 | RAIZ | 20cm | 2,90 | 13,0 (*) |
| E151 | 7.468.811,50 | 680.635,02 | RAIZ | 20cm | 2,90 | 13,0 (*) |
| E152 | 7.468.812,02 | 680.632,28 | RAIZ | 20cm | 2,90 | 13,0 (*) |
| E153 | 7.468.806,18 | 680.629,29 | RAIZ | 20cm | 2,90 | 13,0 (*) |
| E154 | 7.468.806,70 | 680.628,55 | RAIZ | 20cm | 2,90 | 13,0 (*) |
| E155 | 7.468.800,86 | 680.625,56 | RAIZ | 20cm | 2,90 | 13,0 (*) |
| E156 | 7.468.801,38 | 680.624,82 | RAIZ | 20cm | 2,90 | 13,0 (*) |
| E157 | 7.468.795,54 | 680.621,82 | RAIZ | 20cm | 2,70 | 13,0 (*) |
| E158 | 7.468.796,06 | 680.621,09 | RAIZ | 20cm | 2,70 | 13,0 (*) |

(*) OS COMPRIMENTOS DESTAS ESTACAS DEVEREM SER CONFIRMADOS COM SONDAGENS ROTATIVAS PARA CONHECIMENTO DA QUALIDADE DA ROCHA.

| TABELA DE DAS ESTACAS - TRECHO BP-2 | | | | | | |
|-------------------------------------|--------------|------------|------|------|-------------------------|---------------------|
| ESTACA | NORTE | ESTE | TIPO | Ø | COTA DE ARRASAMENTO (m) | COMPRIMENTO ÚTL (m) |
| E159 | 7.468.790,22 | 680.618,09 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E160 | 7.468.790,74 | 680.617,35 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E161 | 7.468.784,89 | 680.614,36 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E162 | 7.468.785,41 | 680.613,62 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E163 | 7.468.779,58 | 680.610,63 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E164 | 7.468.780,09 | 680.609,89 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E165 | 7.468.774,25 | 680.606,89 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E166 | 7.468.774,77 | 680.606,16 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E167 | 7.468.768,93 | 680.603,16 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E168 | 7.468.769,45 | 680.602,42 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E169 | 7.468.763,61 | 680.599,43 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E170 | 7.468.764,12 | 680.598,69 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E171 | 7.468.758,30 | 680.595,70 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E172 | 7.468.758,80 | 680.594,96 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E173 | 7.468.754,32 | 680.592,71 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E174 | 7.468.754,54 | 680.591,98 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E175 | 7.468.752,11 | 680.591,36 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E176 | 7.468.752,63 | 680.590,63 | RAIZ | 20cm | 2,70 | 8,0 (*) |
| E177 | 7.468.750,12 | 680.588,26 | RAIZ | 20cm | 2,70 | 4,0 (*) |
| E178 | 7.468.751,00 | 680.588,05 | RAIZ | 20cm | 2,70 | 4,0 (*) |

(*) OS COMPRIMENTOS DESTAS ESTACAS DEVEREM SER CONFIRMADOS COM SONDAGENS ROTATIVAS PARA CONHECIMENTO DA QUALIDADE DA ROCHA.

| TABELA DE DAS ESTACAS - TRECHO BP-2 | | | | | | |
|-------------------------------------|--------------|------------|------|------|-------------------------|---------------------|
| ESTACA | NORTE | ESTE | TIPO | Ø | COTA DE ARRASAMENTO (m) | COMPRIMENTO ÚTL (m) |
| E179 | 7.468.750,37 | 680.584,64 | RAIZ | 20cm | 2,70 | 4,0 (*) |
| E180 | 7.468.751,20 | 680.584,98 | RAIZ | 20cm | 2,70 | 4,0 (*) |

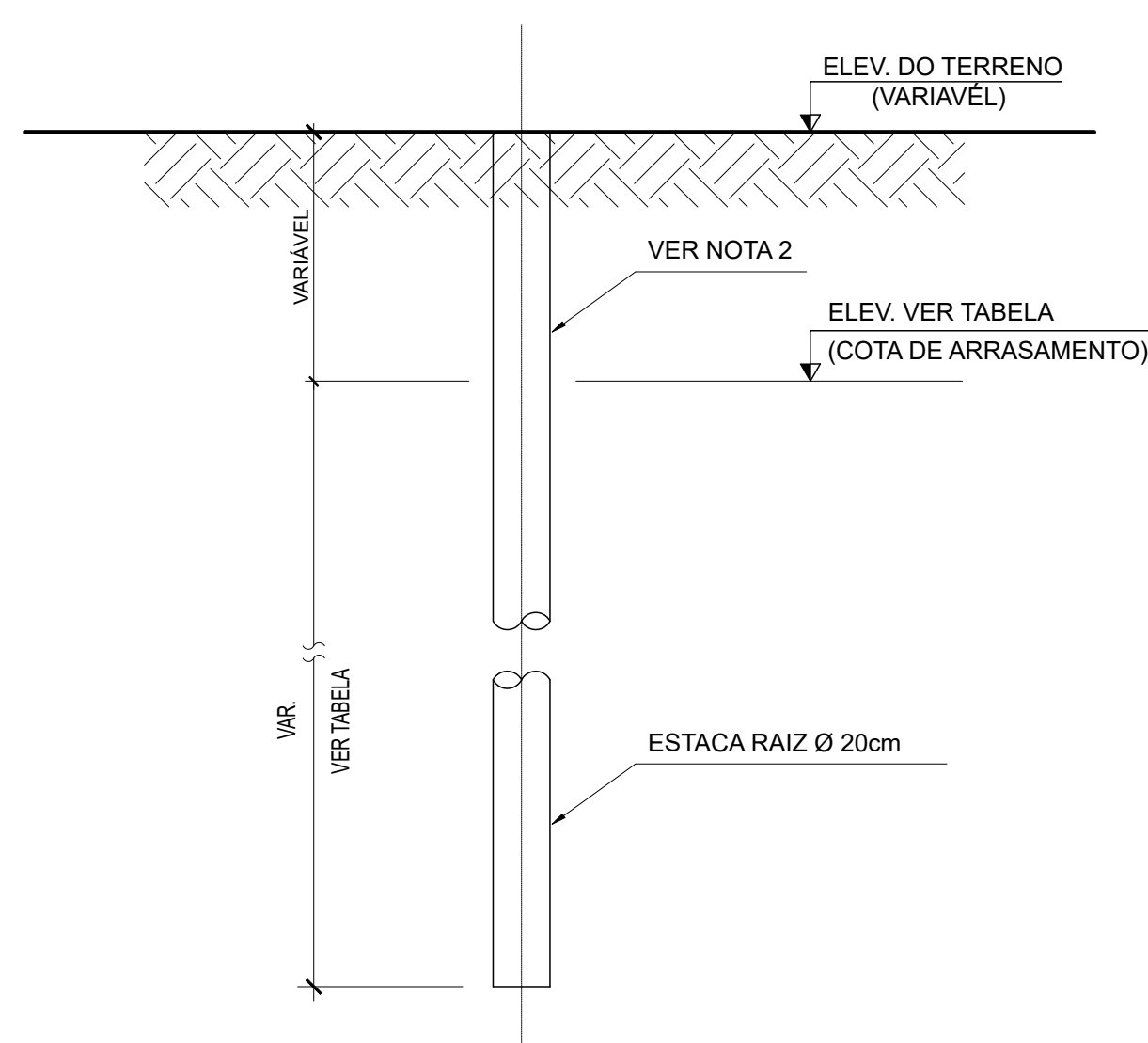
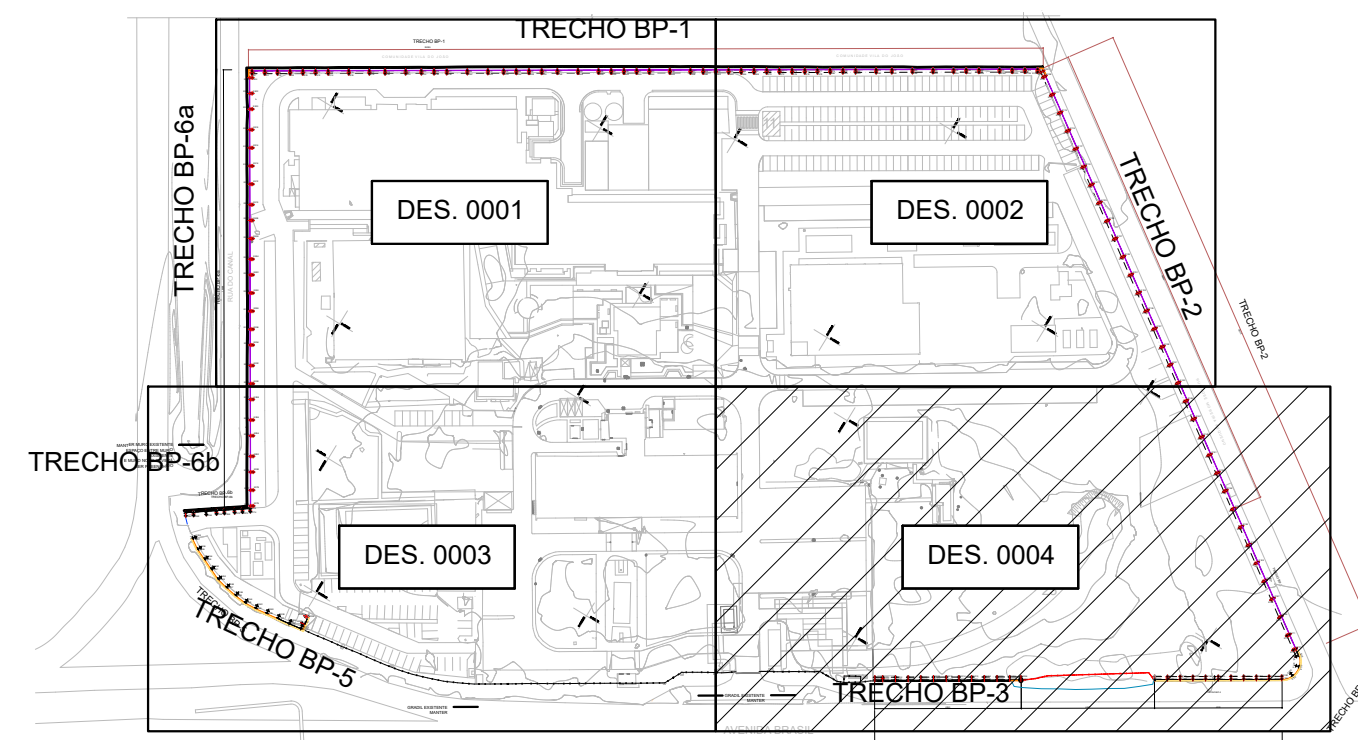
(*) OS COMPRIMENTOS DESTAS ESTACAS DEVEREM SER CONFIRMADOS COM SONDAGENS ROTATIVAS PARA CONHECIMENTO DA QUALIDADE DA ROCHA.

| TABELA DE DAS ESTACAS - TRECHO BP-3 | | | | | | |
|-------------------------------------|--------------|------------|------|------|-------------------------|---------------------|
| ESTACA | NORTE | ESTE | TIPO | Ø | COTA DE ARRASAMENTO (m) | COMPRIMENTO ÚTL (m) |
| E181 | 7.468.752,78 | 680.581,81 | RAIZ | 20cm | 2,70 | 4,0 (*) |
| E182 | 7.468.753,25 | 680.582,58 | RAIZ | 20cm | 2,70 | 4,0 (*) |
| E183 | 7.468.756,36 | 680.579,62 | RAIZ | 20cm | 2,70 | 4,0 (*) |
| E184 | 7.468.756,83 | 680.580,38 | RAIZ | 20cm | 2,70 | 4,0 (*) |
| E185 | 7.468.759,94 | 680.577,42 | RAIZ | 20cm | 2,70 | 4,0 (*) |
| E186 | 7.468.760,41 | 680.578,19 | RAIZ | 20cm | 2,70 | 4,0 (*) |
| E187 | 7.468.763,52 | 680.575,23 | RAIZ | 20cm | 2,70 | 4,0 (*) |
| E188 | 7.468.763,99 | 680.576,00 | RAIZ | 20cm | 2,70 | 4,0 (*) |
| E189 | 7.468.767,10 | 680.573,04 | RAIZ | 20cm | 2,70 | 4,0 (*) |
| E190 | 7.468.767,57 | 680.573,80 | RAIZ | 20cm | 2,70 | 4,0 (*) |
| E191 | 7.468.770,68 | 680.570,84 | RAIZ | 20cm | 2,70 | 4,0 (*) |
| E192 | 7.468.771,15 | 680.571,61 | RAIZ | 20cm | 2,70 | 4,0 (*) |
| E193 | 7.468.774,27 | 680.568,65 | RAIZ | 20cm | 3,10 | 4,0 (*) |
| E194 | 7.468.774,74 | 680.569,42 | RAIZ | 20cm | 3,10 | 4,0 (*) |
| E195 | 7.468.777,85 | 680.566,46 | RAIZ | 20cm | 3,10 | 4,0 (*) |
| E196 | 7.468.778,32 | 680.567,22 | RAIZ | 20cm | 3,10 | 4,0 (*) |
| E197 | 7.468.781,43 | 680.564,26 | RAIZ | 20cm | 3,10 | 4,0 (*) |
| E198 | 7.468.781,90 | 680.565,03 | RAIZ | 20cm | 3,10 | 4,0 (*) |
| E199 | 7.468.785,01 | 680.562,07 | RAIZ | 20cm | 3,30 | 4,0 (*) |
| E200 | 7.468.785,48 | 680.562,84 | RAIZ | 20cm | 3,30 | 4,0 (*) |
| E201 | 7.468.788,59 | 680.559,88 | RAIZ | 20cm | 3,30 | 4,0 (*) |
| E202 | 7.468.789,06 | 680.560,64 | RAIZ | 20cm | 3,30 | 4,0 (*) |
| E203 | 7.468.826,35 | 680.536,76 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E204 | 7.468.826,82 | 680.537,52 | RAIZ | 20cm | 2,45 | 8,0 (*) |

(*) OS COMPRIMENTOS DESTAS ESTACAS DEVEREM SER CONFIRMADOS COM SONDAGENS ROTATIVAS PARA CONHECIMENTO DA QUALIDADE DA ROCHA.

| TABELA DE DAS ESTACAS - TRECHO BP-3 | | | | | | |
|-------------------------------------|--------------|------------|------|------|-------------------------|---------------------|
| ESTACA | NORTE | ESTE | TIPO | Ø | COTA DE ARRASAMENTO (m) | COMPRIMENTO ÚTL (m) |
| E205 | 7.468.829,50 | 680.534,83 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E206 | 7.468.829,97 | 680.535,59 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E207 | 7.468.833,08 | 680.532,63 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E208 | 7.468.833,55 | 680.533,40 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E209 | 7.468.836,67 | 680.530,44 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E210 | 7.468.837,14 | 680.531,21 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E211 | 7.468.840,25 | 680.528,25 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E212 | 7.468.840,72 | 680.529,01 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E213 | 7.468.843,83 | 680.526,05 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E214 | 7.468.844,30 | 680.526,82 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E215 | 7.468.847,41 | 680.523,86 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E216 | 7.468.847,88 | 680.524,63 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E217 | 7.468.850,99 | 680.521,67 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E218 | 7.468.851,46 | 680.522,43 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E219 | 7.468.854,58 | 680.519,47 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E220 | 7.468.855,05 | 680.520,24 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E221 | 7.468.858,16 | 680.517,28 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E222 | 7.468.858,63 | 680.518,05 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E223 | 7.468.861,74 | 680.515,09 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E224 | 7.468.862,21 | 680.515,85 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E225 | 7.468.865,32 | 680.512,89 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E226 | 7.468.865,79 | 680.513,66 | RAIZ | 20cm | 2,45 | 8,0 (*) |
| E227 | 7.468.867,54 | 680.511,53 | RAIZ | 20cm | 2,90 | 8,0 (*) |
| E228 | 7.468.868,01 | 680.512,30 | RAIZ | 20cm | 2,90 | 8,0 (*) |

(*) OS COMPRIMENTOS DESTAS ESTACAS DEVEREM SER CONFIRMADOS COM SONDAGENS ROTATIVAS PARA CONHECIMENTO DA QUALIDADE DA ROCHA.



LEGENDA

— ESTACAS RAZ Ø 20cm.

NOTAS GERAIS

- DIMENSÕES EM CENTÍMETRO, ELEVações E COORDENADAS EM METRO, EXCETO ONDE INDICADO.
- AS ESTACAS DEVEREM SER ARRASADAS CONFORME COTAS INDICADAS NA TABELA. PRESERVAR 40cm DA ARMADURA LONGITUDINAL DAS ESTACAS ACIMA DAS COTAS DE ARRASAMENTO (ESPERAS).
- CONCRETO MOLDADO "IN LOCO" - fck = 20MPa
- AS EMENDAS SOLDADAS DEVERÃO SER EXECUTADAS CONFORME ESPECIFICAÇÕES DA NBR-6118.

| | | | | | | |
|---------------------|--|---|--|-----------------|-----------------|---------------|
| B | | ALTERAÇÃO TRECHOS BP1, BP2 E BP3a | | J. E. V. ZUÑIGA | J. E. V. ZUÑIGA | 2012/2023 |
| EMIS | | DESCRIÇÃO | | REVISADO POR | | RESP. TÉCNICO |
| REFORMA | | MARE-RJ | | EDIFICAÇÃO | | |
| ESTRUTURA/ESTACAS | | PROJETO EXECUTIVO | | DATA | | |
| LOCALIZAÇÃO | | PARTE 4/4 | | DATA | | |
| COORDENADOR DA META | | JOSÉ EDUARDO V. ZUÑIGA | | 84105210-8D | | |
| ELABORADO | | J. E. V. ZUÑIGA, MARCELA G., MONICA NUNES, RAFAEL LOQUES, ROGÉRIO GUIMARÃES | | AUTORIZADO | | |