

BARRAGEM JATOBÁ

MÓDULO II – ESTUDOS BÁSICOS, ANTEPROJETOS E AVALIAÇÕES

VOLUME I – ESTUDOS BÁSICOS

TOMO 3 – ESTUDOS CARTOGRÁFICOS

ESTUDOS TOPOGRÁFICOS - EIXO BARRÁVEL E SANGRADOURO

RELATÓRIO TÉCNICO

EDITADO EM MARÇO DE 2006

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APRESENTAÇÃO

APRESENTAÇÃO

O consórcio KL - Serviços de Engenharia S/S Ltda, MABE – Infra-Estrutura e Serviços Ltda e ENERCONSULT S/A, no âmbito do contrato Nº11/PROGERIRH/CE/SRH/2003 do Programa de Gerenciamento e Integração dos Recursos Hídricos do Estado do Ceará – PROGERIRH tem por finalidade a Elaboração dos Estudos de Viabilidades Técnicas, Ambientais, Econômicas, Eias - Rimas, Projetos Executivos, Levantamentos Cadastrais e Planos de Reassentamentos de Populações, Manuais de Operação e Manutenção e Avaliação Financeira e Econômica referentes às Barragens: Mamoeiro, Riacho do Meio, Melancia, Jucá e Jatobá e Adutoras de Antonina do Norte, Granjeiro, Croatá e Ipueiras.

Os estudos desenvolvidos, em atendimento aos Termos de Referência, são constituídos por atividades multidisciplinares que permitem a elaboração de relatórios específicos organizados em Módulos, Volumes e Tomos. As partes e tomos que compõem o acervo do contrato são apresentados na seqüência:

Módulo I: Estudos de Alternativas de Localização das Barragens e Adutoras

VOLUME I: Estudo de Alternativas e Opções para a Localização dos Eixos Barráveis e Adutoras

Módulo II: Estudos Básicos, Anteprojetos e Avaliações

VOLUME I: Estudos Básicos

TOMO 1 – Relatório Geral - Textos

TOMO 2 – Estudos Hidrológicos

TOMO 3 – Estudos Cartográficos

TOMO 4 – Estudos Geológicos e Geotécnicos

TOMO 5 – Estudos Pedológicos

VOLUME II: Anteprojetos

TOMO 1 – Relatório de Concepção Geral

TOMO 1A – Desenhos e Plantas

TOMO 1B – Memória de Cálculo

VOLUME III: Avaliações Financeiras e Econômicas

TOMO 1 – Relatório de Avaliações Financeira e Econômica

Módulo III: Estudos dos Impactos no Meio Ambiente (EIA/RIMA)

VOLUME I: EIA

VOLUME II: RIMA

Módulo IV: Detalhamento do Projeto Executivo das Barragens

VOLUME I: Detalhamento do Projeto Executivo

TOMO 1 – Memorial Descritivo do Projeto

TOMO 2 – Desenhos do Projeto

TOMO 3 – Memória de Cálculo

TOMO 4 – Especificações Técnicas

TOMO 5 – Quantitativos e Orçamentos

TOMO 6 – Síntese

Módulo V: Levantamento Cadastral e Plano de Reassentamento

VOLUME I: Levantamento Cadastral

TOMO 1 – Relatório Geral

TOMO 2 – Laudos Individuais de Avaliação

TOMO 3 – Levantamentos Topográficos

VOLUME II: Plano de Reassentamento

TOMO 1 – Relatório Final de Reassentamento

Módulo VI: Projeto Executivo das Adutoras

VOLUME I: Estudos Básicos

TOMO 1 – Levantamentos Topográficos

TOMO 2 – Investigações Geotécnicas

VOLUME II: Anteprojeto

VOLUME III: Detalhamento do Projeto Executivo

TOMO 1 – Memorial Descritivo

TOMO 2 – Memória de Cálculo

TOMO 3 – Quantitativos e Orçamentos

TOMO 4 – Especificações Técnicas e Normas de Medições

Módulo VII: Elaboração dos Manuais de Operação e Manutenção

VOLUME I: Manuais de Operação e Manutenção

O presente relatório que trata da **Barragem Jatobá**, aqui nomeado como Volume I – Estudos Básicos, Tomo 3A – Estudos Cartográficos (Estudos Topográficos – Eixo Barrável e Sangradouro), é parte integrante do Módulo II – Estudos Básicos, Anteprojetos e Avaliações.

1 - INTRODUÇÃO

O consórcio constituído pelas empresas KL – Serviços de Engenharia S/S Ltda, MABE – Infra-Estrutura e Serviços Ltda e ENERCONSULT S/A atendendo às atribuições do contrato Nº11/PROGERIRH/SRH/2003 vem apresentar os Estudos Topográficos da Barragem Jatobá.

O relatório é desenvolvido a seguir abordando os seguintes tópicos:

- Levantamento do Eixo Barrável e do Sangradouro;
- Levantamento do Canal de Restituição;
- Coordenadas e Cotas;
- Serviços Executados;
- Anexos.

2 – LEVANTAMENTO DO EIXO BARRÁVEL E DO SANGRADOURO

2 - LEVANTAMENTO DO EIXO BARRÁVEL E DO SANGRADOURO

O eixo da barragem Jatobá foi locado em um boqueirão com características topográficas favoráveis, onde o sangradouro foi definido e estudado no mesmo alinhamento do eixo da barragem na ombreira direita na estaca 53.

Os levantamentos topográficos do eixo barrável e do sangradouro, foram executados através de locação de estação total, pelo método de coordenadas com identificação dos eixos: Este, Norte, elevação e descrição dos pontos identificados. Os serviços realizados foram: locação; implantação de marcos para futura relocação; nivelamento e levantamento de seções transversais.

Os Desenhos 01, 02 e 03 que correspondem à Planta Baixa do Boqueirão e do Sangradouro estão apresentados no Anexo 5 – Desenhos.

2.1 - LOCAÇÃO DOS EIXOS E IMPLANTAÇÃO DE MARCOS

Utilizando-se GPS manual GARMIN 12 e a Estação Total descrita anteriormente, locou-se o eixo da barragem e do sangradouro, o qual foi materializado a cada 20 metros por pontos estaqueados e numerados, sendo também indicados através de estacas inteiras ou fracionadas todos os pontos notáveis tais como: talvegues, estradas, afloramentos rochosos, rede elétrica, elevações, mudanças bruscas de inclinação do terreno entre outros.

O eixo da barragem parte da estaca 00, localizada na ombreira esquerda, onde implantou-se o marco de concreto M-1 aquém 1,30 metros seguindo daí até a estaca final 58+12,28 onde implantou-se o marco de concreto M-2 à 1,40 metros além da estaca 58+12,28, posteriormente realizou-se um estaqueamento complementar, seguindo da estaca 58 até 61+11,50 metros, e da estaca -01 até -26 totalizando uma extensão de 1.751.50 metros.

O eixo do sangradouro foi locado partindo da estaca 53, o qual foi estaqueado da estaca S01 até a S27+10,2, no riacho Jatobá.

O quadro a seguir apresenta a relação dos marcos implantados.

Marco	Estaca	Coordenadas UTM (m)	
		Este	Norte
M-1	-	306238.420	9492948.127
M-2	-	306804.689	9491918.681

2.2 - NIVELAMENTO

O levantamento altimétrico da barragem Jatobá e o seu respectivo sangradouro, foi realizado utilizando-se GPS manual GARMIN 12, Estação Total e Nível Geométrico, onde foram niveladas todas as estacas do eixo materializado (ver Anexo 4 – Nivelamento Geométrico do Eixo Barrável). A partir deste levantamento, gerou-se o perfil longitudinal do terreno natural no eixo da barragem e do sangradouro (ver Desenhos 04 e 05 no Anexo 5 – Desenhos).

2.3 - LEVANTAMENTO DE SEÇÕES TRANSVERSAIS

Foram levantadas seções transversais ao eixo da barragem e do sangradouro a cada 20 metros abrangendo uma faixa de domínio com largura de 150 metros à montante e à jusante, e se constituíram de pontos cotados a cada 10 metros, considerando também os pontos de destaque do relevo topográfico.

Numa fase posterior, para um melhor desenvolvimento dos estudos, a faixa de domínio foi expandida à montante e a jusante, para cerca de 400 e 300 metros, respectivamente.

3 – LEVANTAMENTO DO CANAL DE RESTITUIÇÃO

3 - LEVANTAMENTO DO CANAL DE RESTITUIÇÃO

Assim como o eixo barrável e o sangradouro, o canal de restituição da barragem Jatobá, foi levantado plani-altimetricamente através de Estação Total, pelo método de coordenadas com identificação dos eixos: Este, Norte, elevação e descrição dos pontos identificados. Os serviços topográficos executados no canal de restituição, foram os seguintes: locação; nivelamento e levantamento de seções transversais.

3.1 - LOCAÇÃO

Locou-se o canal de restituição utilizando-se Estação Total, o qual foi estaqueado e numerado a cada 50 metros, sendo também indicados através de estacas inteiras ou fracionadas todos os pontos notáveis do relevo.

A partir da estaca S13 do eixo do sangradouro, foi locada a poligonal do canal de restituição até a estaca S27+10,19, totalizando 290,29 metros de extensão, acompanhando o talvegue à jusante que conduzirá o caudal de sangria até o riacho Jatobá.

3.2 - NIVELAMENTO E LEVANTAMENTO DE SEÇÕES TRANSVERSAIS

Utilizando-se o mesmo equipamento citado no item anterior, realizou-se o levantamento altimétrico da poligonal do canal de restituição, através de seccionamento a cada 50 metros, com 100 metros de largura para cada lado, com pontos cotados a cada 10 metros. A partir desse levantamento foi elaborada uma planta baixa com curvas de nível do terreno natural a cada metro (ver Desenho 01 no Anexo 5 – Desenhos).

4 – COORDENADAS E COTAS

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4.1 - COORDENADAS

Em relação as coordenadas utilizadas para o levantamento, foram coordenadas obtidas através de GPS manual GARMIN 12, e confirmadas pelo estudo realizado pela TOPOCART, empresa responsável pelos serviços cartográficos.

4.2 - COTAS

Também foram utilizadas cotas fornecidas pela TOPOCART, empresa responsável pelos serviços cartográficos.

5 – SERVIÇOS EXECUTADOS

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Os serviços executados são descritos a seguir:

- ◆ Locação e Nivelamento do Eixo Barrável e do Sangradouro2,30 Km;
- ◆ Locação e Nivelamento da Poligonal do Canal de Sangria e da Calha do Rio.....0,29 Km;
- ◆ Seccionamento do Eixo Barrável e do Sangradouro.....50,65 Km;

As cadernetas de campo referente aos serviços acima citados estão apresentados nos Anexos 1, 2 e 3.

**ANEXO 1 – CADERNETAS DE CAMPO – LOCAÇÃO E NIVELAMENTO DO EIXO
BARRÁVEL E DO SANGRADOURO**

Arquivo Colunado: C:\1111PASTA DE TRABALHOS\KL
BARRAGENS\JATOBA\jatobá.geoPrograma de transferencia GDM
M1E0|9492947.000|306239.000|1000.000|POL|
G1GPS|9492678.000|306398.000|1000.000|POL|
M1E0|9492947.000|306239.000|1000.000|
G1GPS|9492678.000|306398.000|1000.000|
G1|9492680.632|306396.445|967.622|LIDO|
M1E0|9492947.000|306239.000|1000.000|
G1|9492680.632|306396.445|967.622|
E01|9492929.474|306248.644|994.223|POL|
E02|9492911.962|306258.281|989.425|POL|
E02|9492911.962|306258.281|989.425|
M1E0|9492947.000|306239.000|1000.000|
E03|9492894.421|306267.933|987.057|POL|
E04|9492876.919|306277.564|981.201|POL|
E05|9492859.382|306287.214|977.099|POL|
E06|9492841.864|306296.853|977.309|POL|
E02+7.98|9492904.968|306262.130|987.274|POL|
001|9492895.854|306267.444|985.767|CE|
002|9492894.592|306270.796|985.066|CE|
003|9492899.237|306258.856|987.389|CE|
E06|9492841.864|306296.853|977.309|
E02|9492911.962|306258.281|989.425|
E07|9492824.361|306306.484|977.427|POL|
E08|9492806.833|306316.126|976.589|POL|
E08|9492806.833|306316.126|976.589|
E06|9492841.864|306296.853|977.309|
E09|9492789.301|306325.773|974.059|POL|
E10|9492771.778|306335.415|972.694|POL|
E11|9492754.246|306345.062|971.276|POL|
E12|9492736.729|306354.701|970.078|POL|
E13|9492719.232|306364.328|969.205|POL|
E14|9492701.710|306373.969|968.490|POL|
E15|9492684.167|306383.621|967.915|POL|
E16|9492666.604|306393.286|966.989|POL|
E17|9492649.131|306402.900|966.321|POL|
E18|9492631.580|306412.558|965.651|POL|
E19|9492614.093|306422.179|965.070|POL|
E19|9492614.093|306422.179|965.070|
E08|9492806.833|306316.126|976.589|
004|9492620.281|306428.173|965.183|CE|
005|9492615.101|306434.454|965.125|CE|
006|9492608.945|306424.987|964.998|CE|
007|9492615.019|306420.576|965.072|CE|
008|9492610.432|306416.745|965.044|CE|
009|9492605.424|306419.634|964.981|CE|
010|9492601.880|306418.155|964.624|BE|
011|9492596.579|306424.283|964.327|BE|
012|9492614.338|306436.074|964.915|BE|
013|9492606.794|306439.623|964.701|BE|
014|9492599.273|306446.648|964.710|CE|
015|9492586.702|306437.169|964.369|CE|
016|9492581.122|306433.359|964.333|CE|
017|9492596.569|306431.821|964.434|E20|
E21|9492579.060|306441.455|964.369|POL|
E22|9492561.554|306451.087|964.407|POL|
E22|9492561.554|306451.087|964.407|
E19|9492614.093|306422.179|965.070|
E23|9492543.923|306460.788|963.171|POL|
E24|9492526.553|306470.345|962.143|POL|

E25|9492508.950|306480.031|959.662|POL|
E26|9492491.438|306489.674|958.693|POL|
E27|9492473.940|306499.274|957.673|POL|
E27|9492473.940|306499.274|957.673|
E22|9492561.554|306451.087|964.407|
020|9492489.138|306487.800|958.577|CE|
021|9492488.144|306491.354|958.470|CE|
022|9492486.390|306498.522|958.282|CE|
E28|9492456.412|306508.922|956.561|POL|
E29|9492438.885|306518.569|955.315|POL|
E30|9492421.345|306528.223|953.652|POL|
E31|9492403.798|306537.882|951.867|POL|
E32|9492386.303|306547.510|951.398|POL|
E33|9492368.768|306557.136|951.302|POL|
E33|9492368.768|306557.136|951.302|
E27|9492473.940|306499.274|957.673|
E34|9492351.256|306566.776|951.571|POL|
026|9492342.131|306571.996|951.687|CE|
027|9492341.860|306573.121|951.740|CE|
028|9492343.184|306568.277|951.723|CE|
E35|9492333.728|306576.425|951.454|POL|
E35+6.85|9492327.731|306579.744|949.890|POL|
E36|9492316.174|306586.087|951.579|POL|
E37|9492298.667|306595.724|951.475|POL|
E38|9492281.132|306605.391|951.509|POL|
E39|9492263.607|306615.026|951.647|POL|
E39|9492263.607|306615.026|951.647|
E38|9492281.132|306605.391|951.509|
030|9492268.562|306612.302|952.077|CE|
031|9492269.853|306607.240|951.808|CE|
032|9492266.668|306619.481|951.459|CE|
E40|9492246.082|306624.672|952.008|POL|
E41|9492228.563|306634.315|952.002|POL|
E41+12.64|9492217.490|306640.403|952.191|POL|
E41+12.64|9492217.490|306640.403|952.191|
E39|9492263.607|306615.026|951.647|
35|9492215.475|306641.511|950.418|RIO|
36|9492197.350|306650.570|947.990|RIO|
37|9492196.804|306634.564|948.075|RIO|
38|9492210.129|306631.831|948.475|RIO|
39|9492206.342|306654.175|948.316|RIO|
40|9492198.865|306656.551|947.858|RIO|
E42|9492210.996|306643.978|949.491|POL|
100|9492201.986|306648.938|948.104|EIXO|
E43|9492193.491|306653.614|951.563|POL|
E44|9492176.013|306663.235|951.006|POL|
E45|9492158.475|306672.889|952.655|POL|
E46|9492140.910|306682.557|953.432|POL|
E47|9492123.380|306692.208|954.916|POL|
E48|9492105.913|306701.823|956.470|POL|
E49|9492088.405|306711.461|959.667|POL|
E50|9492070.907|306721.099|961.803|POL|
E50|9492070.907|306721.099|961.803|
E41+12.64|9492217.490|306640.403|952.191|
E50|9492070.907|306721.099|961.803|
E41+12.64|9492217.490|306640.403|952.191|
110|9492186.732|306656.718|951.608|CE|
111|9492188.393|306661.803|951.534|CE|
112|9492185.378|306653.013|951.599|CE|
113|9492027.139|306750.127|962.610|CE|

114|9492026.261|306745.167|961.560|CE|
115|9492026.478|306746.207|961.477|CE|
E51|9492053.391|306730.742|961.308|POL|
E52|9492035.867|306740.390|961.706|POL|
E53|9492018.348|306750.034|964.238|POL|
E54|9492000.781|306759.705|967.521|POL|
E55|9491983.262|306769.350|973.037|POL|
E56|9491965.644|306779.050|978.441|POL|
E57|9491948.218|306788.643|987.338|POL|
E58|9491930.685|306798.298|997.776|POL|
E58+12.28|9491919.959|306804.178|1000.089|POL|
120|9492066.950|306713.765|961.935|CO|
121|9492063.679|306707.536|961.765|CO|
122|9492059.038|306700.426|961.759|CO|
123|9492050.965|306686.360|962.145|CO|
124|9492045.796|306676.815|962.461|CO|
125|9492039.876|306667.145|963.131|CO|
126|9492035.062|306658.415|962.961|CO|
127|9492029.233|306649.463|962.112|CO|
E19|9492614.093|306422.179|965.070|
E18|9492631.580|306412.558|965.651|
130|9492601.402|306466.086|964.660|AT|
131|9492577.442|306442.519|964.323|AT|
132|9492571.849|306435.628|964.066|AT|
133|9492606.825|306411.975|964.903|CO|
134|9492600.747|306403.572|964.590|CO|
135|9492594.279|306396.044|964.209|CO|
136|9492585.388|306384.876|961.443|CO|
137|9492578.821|306376.241|961.191|CO|
138|9492574.597|306370.252|960.594|CE|
139|9492574.693|306370.296|961.583|CE|
140|9492568.773|306362.501|961.518|CO|
141|9492563.001|306354.860|961.514|CO|
142|9492557.217|306347.865|960.324|CO|
143|9492553.635|306342.636|959.693|CO|
144|9492619.235|306431.524|965.203|CO|
145|9492624.101|306440.367|965.407|CO|
146|9492628.793|306448.893|965.393|CO|
147|9492633.732|306457.869|965.380|CO|
148|9492638.469|306466.478|965.536|CO|
149|9492642.803|306474.355|965.410|CO|
150|9492647.770|306483.381|965.433|CO|
151|9492652.548|306492.063|965.320|CO|
152|9492657.223|306500.560|965.435|CO|
153|9492662.157|306509.651|965.109|CO|
E18|9492631.580|306412.558|965.651|
E19|9492614.093|306422.179|965.070|
160|9492625.766|306404.371|965.390|CO|
161|9492637.136|306422.477|965.865|CO|
162|9492618.849|306395.681|964.579|CO|
163|9492642.404|306432.358|965.886|CO|
164|9492613.488|306387.406|963.450|CO|
165|9492647.720|306441.949|965.945|CO|
166|9492607.850|306378.497|962.767|CO|
167|9492653.772|306452.501|966.034|CO|
168|9492602.375|306371.161|963.612|CO|
169|9492659.134|306463.281|966.043|CO|
170|9492595.843|306363.492|964.538|CO|
171|9492664.860|306473.492|966.119|CO|
172|9492590.003|306354.710|963.287|CO|

173|9492671.776|306483.548|966.116|CO|
174|9492583.471|306346.975|962.882|CO|
175|9492677.144|306494.572|965.961|CO|
176|9492578.061|306338.928|962.041|CO|
177|9492682.598|306505.007|966.105|CO|
178|9492572.063|306330.421|961.724|CO|

Arquivo Colunado: C:\1111PASTA DE TRABALHOS\KL
BARRAGENS\JATOBA\Complemento\jatogas-21-01-04.geoPrograma de transferencia
GDM

E0|9492947.000|306239.000|1000.000|P|
E2|9492911.962|306258.281|989.425|P|
E0|9492947.000|306239.000|1000.000|
E2|9492911.962|306258.281|989.425|
01|9492963.998|306230.427|1001.696|CO|
02|9492981.101|306221.617|1002.722|CO|
03|9492999.056|306212.663|1003.737|CO|
04|9493015.471|306204.215|1006.892|CO|
GA10|9493028.669|306197.529|1007.277|P|
GA10|9493028.669|306197.529|1007.277|
E0|9492947.000|306239.000|1000.000|
01|9493021.949|306200.942|1007.815|CO|
GA11|9493032.888|306178.256|1002.572|P|
GA11|9493032.888|306178.256|1002.572|
GA10|9493028.669|306197.529|1007.277|
01|9493036.987|306159.531|995.884|CO|
02|9493040.168|306145.002|990.752|CO|
03|9493043.652|306129.090|987.892|CO|
GA12|9493047.138|306113.148|983.800|P|
GA12|9493047.138|306113.148|983.800|
GA11|9493032.888|306178.256|1002.572|
GA13|9493054.673|306078.770|976.397|P|
GA13|9493054.673|306078.770|976.397|
GA12|9493047.138|306113.148|983.800|
GA14|9493061.938|306045.584|970.876|P|
GA14|9493061.938|306045.584|970.876|
GA13|9493054.673|306078.770|976.397|
GA15|9493068.604|306015.157|967.851|P|
GA15|9493068.604|306015.157|967.851|
GA14|9493061.938|306045.584|970.876|
GA16|9493081.359|305957.004|973.716|P|
GA16|9493081.359|305957.004|973.716|
GA15|9493068.604|306015.157|967.851|
01|9493070.328|306007.098|965.283|GROTA|
02|9493074.078|305990.276|970.723|GROTA|
GA17|9493098.770|305877.438|971.321|P|
GA17|9493098.770|305877.438|971.321|
GA16|9493081.359|305957.004|973.716|
01|9493085.098|305940.487|973.110|CO|
02|9493088.750|305923.315|972.181|CO|
03|9493093.278|305900.793|968.987|CO|
GA18|9493114.776|305804.293|980.280|P|
GA18|9493114.776|305804.293|980.280|
GA17|9493098.770|305877.438|971.321|
01|9493102.284|305859.751|972.808|CO|
02|9493106.752|305841.315|974.475|CO|
03|9493110.417|305823.749|976.052|CO|
GA19|9493126.914|305748.949|988.984|P|
SJ53|9491953.296|306637.024|966.823|P|
SJ55|9492059.353|306872.380|956.134|P|
SJ53|9491953.296|306637.024|966.823|
SJ55|9492059.353|306872.380|956.134|
E53|9492018.348|306750.034|964.238|P|
E55|9491983.262|306769.350|973.037|P|
E53|9492018.348|306750.034|964.238|
E55|9491983.262|306769.350|973.037|
GS1|9492071.382|306862.135|958.608|P|

PS|9492098.392|306919.079|957.695|P|
GS1|9492071.382|306862.135|958.608|
PS|9492098.392|306919.079|957.695|
SA1|9492100.163|306925.875|958.505|SAN|
PS|9492098.392|306919.079|957.695|
GS1|9492071.382|306862.135|958.608|
01|9492094.530|306910.986|956.404|CO|
02|9492090.463|306902.694|954.514|CO|
03|9492087.023|306893.560|953.838|CO|
04|9492082.709|306884.705|954.545|CO|
05|9492084.134|306925.838|957.080|CO|
06|9492075.410|306929.973|959.237|CO|
07|9492066.689|306934.107|960.292|CO|
08|9492057.720|306938.358|960.410|CO|
09|9492048.312|306942.818|961.036|CO|
10|9492038.660|306947.138|960.893|CO|
11|9492029.558|306951.413|961.736|CO|
12|9492020.325|306955.566|962.932|CO|
13|9492010.904|306959.955|963.838|CO|
14|9492006.576|306962.243|964.076|CO|
SA2|9492140.507|306946.089|956.541|SAN|
15|9492107.375|306914.603|957.424|CO|
16|9492120.339|306908.574|956.329|CE|
17|9492128.340|306904.957|955.614|CO|
18|9492137.496|306900.544|954.801|CO|
19|9492146.033|306896.685|953.947|CO|
20|9492154.138|306892.803|953.264|CO|
21|9492162.393|306888.912|952.754|CO|
22|9492171.469|306884.798|952.023|CO|
23|9492180.610|306880.559|951.823|CO|
24|9492190.134|306876.121|951.800|CO|
SA2|9492140.507|306946.089|956.541|
PS|9492098.392|306919.079|957.695|
01|9492107.326|306924.343|957.854|CO|
02|9492115.585|306929.601|958.056|CO|
03|9492122.941|306934.528|957.900|CO|
04|9492130.939|306939.657|957.483|CO|
SA3|9492154.227|306966.386|951.702|SAN|
05|9492149.101|306959.018|954.200|CO|
06|9492145.500|306938.452|956.282|CO|
07|9492150.456|306931.194|955.585|CO|
08|9492152.750|306926.828|955.152|CE|
09|9492157.657|306919.355|954.473|CO|
10|9492162.626|306911.495|953.289|CO|
11|9492167.494|306903.951|952.585|CO|
12|9492173.041|306896.323|952.161|CO|
13|9492178.234|306887.007|951.905|CO|
14|9492135.003|306954.871|957.758|CO|
15|9492129.854|306962.828|958.237|CO|
16|9492125.160|306971.124|959.280|CO|
17|9492120.741|306978.489|959.491|CO|
18|9492116.446|306985.777|959.724|CO|
19|9492114.668|306988.560|959.848|CO|
SA2A|9492109.290|306997.451|959.995|CO|
SA3|9492154.227|306966.386|951.702|
SA2|9492140.507|306946.089|956.541|
01|9492157.035|306970.284|950.986|GRO|
02|9492161.032|306973.867|950.913|GRO|
03|9492159.615|306978.704|950.964|GRO|
04|9492161.832|306978.056|950.871|GRO|

05|9492166.513|306981.253|952.401|CO|
06|9492171.852|306989.928|954.037|CO|
07|9492177.648|306997.935|955.269|CO|
08|9492183.202|307004.787|955.664|CO|
09|9492188.877|307011.821|955.963|CO|
10|9492192.489|307016.662|956.129|CO|
11|9492197.231|307023.252|956.295|CO|
12|9492201.485|307028.432|957.146|CO|
13|9492176.134|306944.184|950.502|CE|
SA4|9492189.404|306930.718|951.098|SAN|
SA4|9492189.404|306930.718|951.098|
SA3|9492154.227|306966.386|951.702|
01|9492156.803|306961.373|950.839|GRO|
02|9492159.424|306961.219|950.833|GRO|
03|9492177.103|306945.581|950.550|GRO|
04|9492174.542|306943.160|950.712|GRO|
05|9492187.738|306939.614|950.337|GRO|
06|9492187.746|306942.640|950.476|GRO|
07|9492198.502|306935.466|950.189|GRO|
08|9492201.685|306936.563|950.088|GRO|
09|9492216.695|306926.507|949.937|GRO|
10|9492218.093|306927.786|949.931|GRO|
SA5|9492224.599|306895.051|951.269|SAN|

Arquivo Colunado: C:\1111PASTA DE TRABALHOS\KL
BARRAGENS\JATOBA\Complemento\jatogas-22-01-04.geoPrograma de transferencia
GDM

E0|9492947.000|306239.000|1000.000|P|
E2|9492911.962|306258.281|989.425|P|
E0|9492947.000|306239.000|1000.000|
E2|9492911.962|306258.281|989.425|
01|9492963.998|306230.427|1001.696|CO|
02|9492981.101|306221.617|1002.722|CO|
03|9492999.056|306212.663|1003.737|CO|
04|9493015.471|306204.215|1006.892|CO|
GA10|9493028.669|306197.529|1007.277|P|
GA10|9493028.669|306197.529|1007.277|
E0|9492947.000|306239.000|1000.000|
01|9493021.949|306200.942|1007.815|CO|
GA11|9493032.888|306178.256|1002.572|P|
GA11|9493032.888|306178.256|1002.572|
GA10|9493028.669|306197.529|1007.277|
01|9493036.987|306159.531|995.884|CO|
02|9493040.168|306145.002|990.752|CO|
03|9493043.652|306129.090|987.892|CO|
GA12|9493047.138|306113.148|983.800|P|
GA12|9493047.138|306113.148|983.800|
GA11|9493032.888|306178.256|1002.572|
GA13|9493054.673|306078.770|976.397|P|
GA13|9493054.673|306078.770|976.397|
GA12|9493047.138|306113.148|983.800|
GA14|9493061.938|306045.584|970.876|P|
GA14|9493061.938|306045.584|970.876|
GA13|9493054.673|306078.770|976.397|
GA15|9493068.604|306015.157|967.851|P|
GA15|9493068.604|306015.157|967.851|
GA14|9493061.938|306045.584|970.876|
GA16|9493081.359|305957.004|973.716|P|
GA16|9493081.359|305957.004|973.716|
GA15|9493068.604|306015.157|967.851|
01|9493070.328|306007.098|965.283|GROTA|
02|9493074.078|305990.276|970.723|GROTA|
GA17|9493098.770|305877.438|971.321|P|
GA17|9493098.770|305877.438|971.321|
GA16|9493081.359|305957.004|973.716|
01|9493085.098|305940.487|973.110|CO|
02|9493088.750|305923.315|972.181|CO|
03|9493093.278|305900.793|968.987|CO|
GA18|9493114.776|305804.293|980.280|P|
GA18|9493114.776|305804.293|980.280|
GA17|9493098.770|305877.438|971.321|
01|9493102.284|305859.751|972.808|CO|
02|9493106.752|305841.315|974.475|CO|
03|9493110.417|305823.749|976.052|CO|
GA19|9493126.914|305748.949|988.984|P|
SJ53|9491953.296|306637.024|966.823|P|
SJ55|9492059.353|306872.380|956.134|P|
SJ53|9491953.296|306637.024|966.823|
SJ55|9492059.353|306872.380|956.134|
E53|9492018.348|306750.034|964.238|P|
E55|9491983.262|306769.350|973.037|P|
E53|9492018.348|306750.034|964.238|
E55|9491983.262|306769.350|973.037|
GS1|9492071.382|306862.135|958.608|P|

PS|9492098.392|306919.079|957.695|P|
GS1|9492071.382|306862.135|958.608|
PS|9492098.392|306919.079|957.695|
SA1|9492100.163|306925.875|958.505|SAN|
PS|9492098.392|306919.079|957.695|
GS1|9492071.382|306862.135|958.608|
01|9492094.530|306910.986|956.404|CO|
02|9492090.463|306902.694|954.514|CO|
03|9492087.023|306893.560|953.838|CO|
04|9492082.709|306884.705|954.545|CO|
05|9492084.134|306925.838|957.080|CO|
06|9492075.410|306929.973|959.237|CO|
07|9492066.689|306934.107|960.292|CO|
08|9492057.720|306938.358|960.410|CO|
09|9492048.312|306942.818|961.036|CO|
10|9492038.660|306947.138|960.893|CO|
11|9492029.558|306951.413|961.736|CO|
12|9492020.325|306955.566|962.932|CO|
13|9492010.904|306959.955|963.838|CO|
14|9492006.576|306962.243|964.076|CO|
SA2|9492140.507|306946.089|956.541|SAN|
15|9492107.375|306914.603|957.424|CO|
16|9492120.339|306908.574|956.329|CE|
17|9492128.340|306904.957|955.614|CO|
18|9492137.496|306900.544|954.801|CO|
19|9492146.033|306896.685|953.947|CO|
20|9492154.138|306892.803|953.264|CO|
21|9492162.393|306888.912|952.754|CO|
22|9492171.469|306884.798|952.023|CO|
23|9492180.610|306880.559|951.823|CO|
24|9492190.134|306876.121|951.800|CO|
SA2|9492140.507|306946.089|956.541|
PS|9492098.392|306919.079|957.695|
01|9492107.326|306924.343|957.854|CO|
02|9492115.585|306929.601|958.056|CO|
03|9492122.941|306934.528|957.900|CO|
04|9492130.939|306939.657|957.483|CO|
SA3|9492154.227|306966.386|951.702|SAN|
05|9492149.101|306959.018|954.200|CO|
06|9492145.500|306938.452|956.282|CO|
07|9492150.456|306931.194|955.585|CO|
08|9492152.750|306926.828|955.152|CE|
09|9492157.657|306919.355|954.473|CO|
10|9492162.626|306911.495|953.289|CO|
11|9492167.494|306903.951|952.585|CO|
12|9492173.041|306896.323|952.161|CO|
13|9492178.234|306887.007|951.905|CO|
14|9492135.003|306954.871|957.758|CO|
15|9492129.854|306962.828|958.237|CO|
16|9492125.160|306971.124|959.280|CO|
17|9492120.741|306978.489|959.491|CO|
18|9492116.446|306985.777|959.724|CO|
19|9492114.668|306988.560|959.848|CO|
SA2A|9492109.290|306997.451|959.995|CO|
SA3|9492154.227|306966.386|951.702|
SA2|9492140.507|306946.089|956.541|
01|9492157.035|306970.284|950.986|GRO|
02|9492161.032|306973.867|950.913|GRO|
03|9492159.615|306978.704|950.964|GRO|
04|9492161.832|306978.056|950.871|GRO|

05|9492166.513|306981.253|952.401|CO|
06|9492171.852|306989.928|954.037|CO|
07|9492177.648|306997.935|955.269|CO|
08|9492183.202|307004.787|955.664|CO|
09|9492188.877|307011.821|955.963|CO|
10|9492192.489|307016.662|956.129|CO|
11|9492197.231|307023.252|956.295|CO|
12|9492201.485|307028.432|957.146|CO|
13|9492176.134|306944.184|950.502|CE|
SA4|9492189.404|306930.718|951.098|SAN|
SA4|9492189.404|306930.718|951.098|
SA3|9492154.227|306966.386|951.702|
01|9492156.803|306961.373|950.839|GRO|
02|9492159.424|306961.219|950.833|GRO|
03|9492177.103|306945.581|950.550|GRO|
04|9492174.542|306943.160|950.712|GRO|
05|9492187.738|306939.614|950.337|GRO|
06|9492187.746|306942.640|950.476|GRO|
07|9492198.502|306935.466|950.189|GRO|
08|9492201.685|306936.563|950.088|GRO|
09|9492216.695|306926.507|949.937|GRO|
10|9492218.093|306927.786|949.931|GRO|
SA5|9492224.599|306895.051|951.269|SAN|
SA4|9492189.404|306930.718|951.098|
SA3|9492154.227|306966.386|951.702|
01|9492203.820|306946.246|950.806|CO|
02|9492209.902|306952.375|950.843|CO|
03|9492182.819|306923.027|951.255|CO|
04|9492175.599|306915.730|952.033|CO|
05|9492168.649|306908.148|952.658|CO|
06|9492162.070|306900.882|953.039|CO|
07|9492154.999|306893.415|953.285|CO|
08|9492216.764|306959.318|951.782|CO|
09|9492138.741|306875.664|952.116|CO|
10|9492223.117|306965.436|953.655|CO|
11|9492229.544|306971.921|954.548|CO|
12|9492129.990|306866.474|954.206|CO|
13|9492236.182|306978.777|954.759|CO|
14|9492241.935|306984.782|955.193|CO|
15|9492247.192|306990.252|955.507|CO|
16|9492252.509|306995.638|955.408|CO|
17|9492258.198|307001.502|955.265|CO|
SA2A|9492109.290|306997.451|959.995|
SA2|9492140.507|306946.089|956.541|
01|9492104.053|307005.781|960.630|CO|
02|9492099.922|307012.923|961.317|CO|
03|9492095.344|307020.006|960.865|CO|
04|9492088.822|307031.093|960.174|CO|
SA5|9492224.599|306895.051|951.269|
SA3|9492154.227|306966.386|951.702|
01|9492239.867|306878.731|949.329|GRO|
02|9492238.113|306880.834|949.395|GRO|
03|9492231.082|306901.234|951.247|CO|
04|9492237.503|306906.808|950.612|CO|
05|9492241.754|306911.173|949.658|GRO|
06|9492243.451|306912.980|949.756|GRO|
07|9492248.966|306917.218|953.429|CO|
08|9492255.120|306923.254|953.930|CO|
09|9492260.580|306928.408|953.382|CO|
10|9492217.905|306888.074|951.187|CO|

11|9492266.721|306934.540|952.612|CO|
12|9492210.518|306880.480|951.355|CO|
13|9492204.365|306873.568|951.649|CO|
14|9492273.464|306940.285|952.594|CO|
15|9492197.120|306865.524|951.844|CO|
16|9492279.334|306945.930|952.923|CO|
17|9492190.026|306858.037|951.472|CO|
18|9492183.169|306850.737|951.297|CO|
19|9492284.952|306950.759|952.960|CO|
20|9492175.837|306843.361|950.766|CO|
21|9492168.834|306835.941|950.720|CO|
22|9492290.460|306956.004|953.360|CO|
23|9492216.828|306902.634|951.160|CO|
24|9492210.373|306909.161|950.861|CO|
25|9492203.578|306916.225|950.907|CO|
26|9492197.006|306923.286|950.915|CO|
27|9492224.620|306883.776|950.879|CO|
28|9492224.422|306875.140|950.800|CO|
29|9492224.513|306866.353|950.662|CO|
30|9492224.833|306856.930|950.452|CO|
SA6|9492224.546|306845.015|950.306|SAN|
SA6|9492224.546|306845.015|950.306|
SA5|9492224.599|306895.051|951.269|
01|9492184.945|306845.490|951.094|CO|
02|9492194.803|306844.779|951.348|CO|
03|9492205.376|306845.025|951.436|CO|
04|9492214.457|306845.406|950.889|CO|
05|9492230.914|306838.949|949.978|CO|
06|9492236.616|306832.731|949.887|CO|
07|9492242.587|306826.766|949.858|CO|
08|9492248.461|306820.666|949.733|CO|
SA7|9492255.953|306813.593|949.818|SAN|
01|9492233.228|306845.179|950.122|CO|
02|9492243.536|306845.225|947.798|GRO|
03|9492249.130|306845.246|948.277|GRO|
04|9492250.309|306845.249|949.436|CO|
05|9492258.222|306844.493|949.401|CO|
06|9492266.375|306844.297|950.563|CO|
07|9492274.808|306843.686|951.156|CO|
08|9492282.532|306843.546|951.020|CO|
09|9492290.841|306843.504|950.702|CO|
10|9492298.740|306843.323|950.192|CO|
11|9492304.589|306843.830|949.945|CO|
12|9492311.547|306843.664|949.845|CO|
13|9492318.155|306843.718|949.993|CO|
SA7|9492255.953|306813.593|949.818|
SA6|9492224.546|306845.015|950.306|
01|9492234.960|306792.785|950.330|CO|
02|9492241.014|306798.785|950.088|CO|
03|9492246.978|306804.697|949.994|CO|
04|9492259.578|306816.448|947.367|GRO|
05|9492261.113|306817.442|947.656|GRO|
06|9492261.929|306818.613|948.979|CO|
07|9492267.979|306824.550|950.174|CO|
08|9492273.284|306830.095|950.896|CO|
09|9492281.218|306837.364|950.961|CO|
10|9492261.180|306806.587|947.311|GRO|
11|9492263.934|306804.141|947.223|GRO|
12|9492264.443|306804.904|948.125|CE|
SA8|9492279.032|306787.434|946.874|SAN|

SA8|9492279.032|306787.434|946.874|
SA7|9492255.953|306813.593|949.818|
01|9492273.441|306791.376|946.541|GRO|
02|9492272.754|306793.424|946.531|GRO|
03|9492278.632|306801.160|946.824|RIO|
04|9492284.046|306803.955|946.548|RIO|
05|9492302.737|306808.201|946.055|RIO|
06|9492303.939|306798.806|947.275|RIO|
07|9492285.936|306788.812|946.092|RIO|
08|9492280.692|306778.807|946.302|RIO|
09|9492269.637|306784.631|946.889|RIO|
10|9492279.197|306770.668|947.112|RIO|
11|9492267.847|306773.865|947.141|RIO|

**ANEXO 3 – CADERNETAS DE CAMPO – SECCIONAMENTO DO EIXO BARRÁVEL
E DO SANGRADOURO**

ANEXO 4 – NIVELAMENTO GEOMÉTRICO DO EIXO BARRÁVEL

Arquivo Colunado: C:\1111PASTA DE TRABALHOS\KL
BARRAGENS\JATOBA\jatobáquinta.geoPrograma de transferencia GDM
E22|9492561.554|306451.087|964.407|P|
E19|9492614.093|306422.179|965.071|P|
E22|9492561.554|306451.087|964.407|
E19|9492614.093|306422.179|965.071|
E20|9492596.559|306431.826|964.430|P|
E21|9492579.056|306441.457|964.369|P|
01|9492554.904|306441.489|963.220|22CO|
02|9492566.898|306459.654|965.385|22CO|
03|9492571.514|306467.009|964.510|22CO|
04|9492576.489|306475.090|965.132|22CO|
05|9492581.748|306483.370|965.049|22CO|
06|9492586.653|306491.103|964.858|22CO|
07|9492591.745|306499.744|964.330|22CO|
08|9492596.276|306507.304|964.190|22CO|
09|9492600.855|306515.033|963.882|22CO|
10|9492605.100|306522.400|963.850|22CO|
11|9492609.713|306529.832|963.759|22CO|
12|9492551.395|306435.849|961.327|22CO|
13|9492548.582|306431.435|960.722|22CO|
14|9492543.115|306423.300|960.037|22CO|
15|9492538.069|306415.230|959.503|22CO|
16|9492533.192|306406.804|959.070|22CO|
17|9492529.967|306401.695|958.506|CE|
18|9492522.309|306389.154|957.183|AT|
19|9492516.726|306379.674|955.944|22CO|
20|9492511.002|306370.420|957.885|22CO|
21|9492508.807|306366.757|959.301|BE|
22|9492500.799|306353.611|958.316|BE|
23|9492614.981|306538.311|963.612|CO|
E23|9492543.941|306460.793|963.225|P|
E24|9492526.592|306470.353|962.173|P|
E25|9492508.985|306480.056|959.712|P|
E26|9492491.459|306489.713|958.740|P|
E27|9492473.997|306499.335|957.720|P|
01|9492508.976|306367.144|959.951|BE|
02|9492502.154|306356.253|959.385|BE|
E23|9492543.941|306460.793|963.225|
E22|9492561.554|306451.087|964.407|
01|9492550.086|306469.299|964.533|CO|
02|9492555.011|306476.692|965.398|CO|
03|9492560.709|306485.202|966.082|CO|
04|9492565.685|306492.271|966.808|CO|
05|9492538.224|306453.019|962.630|CO|
06|9492531.361|306444.002|960.666|CO|
07|9492526.981|306437.060|959.310|CO|
08|9492521.023|306430.285|959.214|CO|
09|9492515.801|306423.386|958.830|CO|
10|9492510.370|306416.331|958.293|CE|
11|9492504.358|306408.619|957.380|CO|
12|9492498.656|306400.807|956.300|CO|
13|9492492.777|306393.091|955.751|CO|
14|9492487.194|306386.078|953.655|CO|
15|9492481.455|306378.225|953.600|CO|
23E|9492570.721|306499.452|966.709|A|
23E|9492570.721|306499.452|966.709|
E23|9492543.941|306460.793|963.225|
01|9492577.923|306509.680|965.256|CO|
02|9492582.810|306516.865|965.442|CO|

03|9492588.095|306523.904|964.831|CO|
04|9492592.514|306530.154|964.407|CO|
05|9492597.288|306536.880|963.800|CO|
06|9492602.198|306543.547|963.502|CO|
E24|9492526.592|306470.353|962.173|
E23|9492543.941|306460.793|963.225|
01|9492531.478|306480.711|962.604|CO|
02|9492535.014|306488.346|962.465|CO|
03|9492523.111|306462.951|960.871|CO|
04|9492539.256|306496.373|963.467|CO|
05|9492519.374|306455.584|959.993|CO|
06|9492542.591|306503.031|963.791|CO|
07|9492516.011|306448.432|958.891|CO|
08|9492546.063|306509.587|964.007|CO|
09|9492513.054|306440.703|958.492|CO|
10|9492549.642|306517.005|964.268|CO|
11|9492509.241|306432.971|958.155|CO|
12|9492553.570|306524.566|964.869|CO|
13|9492506.525|306428.939|957.867|CE|
14|9492558.019|306533.555|966.313|CO|
15|9492501.381|306418.706|957.431|CO|
16|9492496.858|306409.476|956.899|CO|
17|9492492.508|306401.031|955.657|CO|
18|9492488.473|306392.774|954.771|CO|
19|9492483.841|306382.733|953.381|CO|
20|9492481.765|306379.334|953.562|CO|
21|9492562.430|306542.553|966.771|CO|
22|9492565.870|306549.465|966.764|CO|
23|9492569.327|306556.703|966.466|CO|
24|9492571.439|306561.023|966.432|CO|
E25|9492508.985|306480.056|959.712|
E24|9492526.592|306470.353|962.173|
01|9492512.605|306487.793|960.044|CO|
02|9492504.723|306470.551|959.134|CO|
03|9492517.425|306496.415|960.455|CO|
04|9492500.446|306463.254|958.601|CO|
05|9492521.429|306503.871|960.710|CO|
06|9492497.609|306458.485|958.275|CE|
07|9492525.027|306510.958|961.616|CO|
08|9492528.936|306518.899|962.092|CO|
09|9492492.268|306448.452|957.690|CO|
10|9492532.925|306526.361|962.564|CO|
11|9492486.984|306438.277|957.001|CO|
12|9492537.136|306534.171|962.873|CO|
13|9492481.888|306428.301|956.302|CO|
14|9492540.800|306541.987|963.505|CO|
15|9492477.618|306419.955|955.170|CO|
16|9492473.151|306412.138|952.988|CO|
17|9492468.622|306401.549|952.783|CO|
18|9492464.757|306392.249|953.202|CO|
19|9492463.152|306389.641|953.164|CO|
20|9492545.201|306552.130|964.512|CO|
21|9492549.095|306558.890|963.714|CO|
22|9492552.363|306565.214|963.955|CO|
23|9492553.140|306567.879|964.174|CO|
E26|9492491.459|306489.713|958.740|
E25|9492508.985|306480.056|959.712|
01|9492496.500|306499.705|958.910|CO|
02|9492501.302|306509.891|959.151|CO|
03|9492486.766|306479.692|958.581|CO|

04|9492504.755|306517.225|959.079|CO|
05|9492482.803|306471.250|958.395|CO|
06|9492508.713|306525.461|959.115|CO|
07|9492478.531|306461.737|958.060|CO|
08|9492512.170|306532.830|959.211|CO|
09|9492516.097|306540.293|959.591|CO|
10|9492519.943|306548.130|960.420|CO|
11|9492474.582|306452.608|957.694|CO|
12|9492523.272|306555.097|960.797|CO|
13|9492469.571|306442.582|957.199|CO|
14|9492527.015|306562.598|960.842|CO|
15|9492465.049|306433.377|955.352|CO|
16|9492530.867|306570.693|961.001|CO|
17|9492460.020|306425.041|951.941|CO|
18|9492535.953|306580.719|960.693|CO|
19|9492456.475|306415.022|953.207|CO|
20|9492451.641|306405.171|953.054|CO|
21|9492447.030|306396.076|953.119|CO|
22|9492502.231|306400.023|956.786|CA|
23|9492508.380|306402.374|957.453|CA|
24|9492512.674|306389.846|957.870|CA|
E27|9492473.997|306499.335|957.720|
E26|9492491.459|306489.713|958.740|
E28|9492456.511|306508.999|956.607|P|
E29|9492438.990|306518.681|955.364|P|
E30|9492421.447|306528.357|953.698|P|
E31|9492403.874|306538.062|951.916|P|
E32|9492386.452|306547.684|951.445|P|
E33|9492368.937|306557.358|951.344|P|
01|9492468.116|306489.153|957.274|CO|
02|9492463.196|306480.218|957.061|CO|
03|9492457.811|306470.267|956.582|CO|
04|9492452.673|306461.585|956.184|CO|
05|9492479.644|306509.851|957.910|CO|
06|9492481.564|306513.177|958.067|CE|
07|9492447.717|306452.890|955.699|CO|
08|9492483.403|306516.721|958.043|CO|
09|9492487.478|306524.047|958.287|CO|
10|9492491.916|306531.881|958.213|CO|
11|9492444.579|306444.883|952.181|CO|
12|9492495.878|306539.669|958.049|CO|
13|9492500.373|306547.817|957.769|CO|
14|9492444.162|306445.044|951.955|CO|
15|9492504.998|306556.242|957.510|CO|
16|9492439.317|306436.524|952.885|CO|
17|9492509.899|306565.568|957.751|CO|
18|9492434.627|306427.211|952.696|CO|
19|9492513.906|306572.916|957.935|CO|
20|9492429.174|306418.687|952.694|CO|
21|9492518.642|306581.518|957.776|CO|
22|9492424.365|306409.304|952.652|CO|
23|9492522.696|306589.117|957.094|CO|
E28|9492456.511|306508.999|956.607|
E27|9492473.997|306499.335|957.720|
01|9492451.811|306499.852|956.377|CO|
02|9492447.804|306491.479|955.953|CO|
03|9492443.046|306482.993|955.474|CO|
04|9492461.391|306519.245|956.763|CO|
05|9492438.581|306473.015|955.034|CO|
06|9492465.155|306527.489|956.742|CO|

07|9492434.259|306464.032|954.721|CO|
08|9492469.216|306535.001|956.984|CO|
09|9492429.959|306454.915|954.094|CO|
10|9492473.157|306543.142|957.288|CE|
11|9492477.153|306551.323|957.248|CO|
12|9492480.589|306558.254|957.054|CO|
13|9492425.214|306446.231|951.862|CO|
14|9492484.694|306566.735|956.625|CO|
15|9492489.361|306575.295|956.277|CO|
16|9492420.691|306436.396|952.711|CO|
17|9492493.375|306583.347|956.007|CO|
18|9492416.334|306427.677|952.587|CO|
19|9492497.247|306591.023|955.676|CO|
20|9492411.831|306418.769|952.452|CO|
21|9492501.148|306598.733|954.912|CO|
E29|9492438.990|306518.681|955.364|
E28|9492456.511|306508.999|956.607|
01|9492491.729|306606.898|955.056|CO|
02|9492433.156|306509.208|955.385|CO|
03|9492487.372|306599.759|955.301|CO|
04|9492427.500|306500.475|954.735|CO|
05|9492482.127|306590.508|955.429|CO|
06|9492422.870|306493.246|954.287|CO|
07|9492477.139|306582.333|956.031|CO|
08|9492417.428|306484.872|953.666|CO|
09|9492472.313|306574.228|956.470|CO|
10|9492470.355|306571.080|956.552|CE|
11|9492412.751|306477.091|953.186|CO|
12|9492467.397|306566.260|956.626|CO|
13|9492407.746|306469.149|952.838|CO|
14|9492462.637|306558.204|956.479|CO|
15|9492402.397|306461.206|952.706|CO|
16|9492458.062|306550.135|956.273|CO|
17|9492397.615|306453.623|952.626|CO|
18|9492453.176|306542.387|956.051|CO|
19|9492393.143|306446.756|952.722|CO|
20|9492448.539|306534.897|955.794|CO|
21|9492443.969|306528.279|955.495|CO|
22|9492387.393|306437.441|952.445|CO|
23|9492385.018|306433.728|952.417|CO|
E30|9492421.447|306528.357|953.698|
E29|9492438.990|306518.681|955.364|
01|9492425.563|306536.334|953.732|CO|
02|9492372.398|306438.948|951.655|CO|
03|9492430.534|306545.420|954.491|CO|
04|9492380.344|306453.641|952.479|CO|
05|9492434.922|306554.125|954.574|CO|
06|9492384.945|306462.046|952.362|CO|
07|9492439.341|306563.096|954.908|CO|
08|9492389.818|306470.109|952.379|CO|
09|9492443.198|306570.407|955.037|CO|
10|9492394.106|306477.839|952.439|CO|
11|9492447.794|306579.344|955.023|CO|
12|9492399.578|306488.217|952.731|CO|
13|9492452.385|306588.104|954.630|CO|
14|9492404.204|306495.688|953.266|CO|
15|9492456.094|306595.584|954.384|CO|
16|9492408.579|306503.816|953.729|CO|
17|9492412.726|306512.147|953.740|CO|
18|9492416.841|306520.056|953.731|CO|

19|9492460.319|306603.011|954.281|CO|
20|9492463.748|306610.435|953.881|CO|
21|9492467.794|306618.157|953.628|CO|
E31|9492403.874|306538.062|951.916|
E30|9492421.447|306528.357|953.698|
01|9492454.744|306628.976|952.292|CO|
02|9492399.418|306530.236|951.792|CO|
03|9492450.815|306621.914|952.492|CO|
04|9492395.190|306522.229|951.752|CO|
05|9492446.241|306613.744|952.332|CO|
06|9492392.136|306516.811|951.771|CO|
07|9492442.181|306605.946|952.419|CO|
08|9492387.287|306508.716|951.770|CO|
09|9492436.943|306597.033|952.459|CO|
10|9492382.119|306499.736|951.798|CO|
11|9492432.595|306589.008|952.201|CO|
12|9492377.834|306491.829|951.867|CO|
13|9492428.768|306581.733|951.764|CO|
14|9492373.352|306484.206|951.957|CO|
15|9492424.478|306574.196|951.583|CO|
16|9492369.126|306475.420|952.156|CO|
17|9492420.167|306566.807|951.575|CO|
18|9492364.361|306467.950|951.620|CO|
19|9492415.963|306559.205|951.595|CO|
20|9492359.742|306459.894|951.839|CO|
21|9492411.834|306551.952|951.722|CO|
22|9492354.503|306450.208|952.276|CO|
23|9492408.300|306545.800|951.871|CO|
E32|9492386.452|306547.684|951.445|
E31|9492403.874|306538.062|951.916|
01|9492335.764|306460.768|952.094|CO|
02|9492390.445|306555.146|951.321|CO|
03|9492345.094|306476.268|951.437|CO|
04|9492394.996|306562.617|951.248|CO|
05|9492350.334|306485.102|952.151|CO|
06|9492399.804|306570.151|951.152|CO|
07|9492355.321|306493.538|952.006|CO|
08|9492404.116|306578.094|951.071|CO|
09|9492408.973|306585.657|950.981|CO|
10|9492358.216|306499.397|951.979|CO|
11|9492413.531|306593.702|950.893|CO|
12|9492363.710|306508.998|951.804|CO|
13|9492418.341|306600.868|950.877|CO|
14|9492368.376|306517.440|951.700|CO|
15|9492422.847|306608.172|950.986|CO|
16|9492372.060|306523.772|951.620|CO|
17|9492426.902|306615.124|951.061|CO|
18|9492376.391|306531.703|951.475|CO|
19|9492431.341|306623.023|951.192|CO|
20|9492381.270|306539.733|951.475|CO|
21|9492436.086|306630.082|951.255|CO|
22|9492438.547|306633.977|951.234|CO|
E33|9492368.937|306557.358|951.344|
E32|9492386.452|306547.684|951.445|
01|9492418.492|306645.610|950.928|CO|
02|9492364.007|306548.338|951.413|CO|
03|9492414.316|306638.087|950.951|CO|
04|9492359.579|306539.920|951.591|CO|
05|9492409.904|306629.600|950.946|CO|
06|9492355.184|306531.502|951.706|CO|

07|9492404.595|306620.220|950.905|CO|
08|9492350.801|306523.345|951.890|CE|
09|9492400.263|306612.907|950.818|CO|
10|9492346.479|306515.079|951.895|CO|
11|9492395.344|306604.462|950.860|CO|
12|9492342.502|306507.824|951.902|CO|
13|9492391.337|306596.824|950.954|CO|
14|9492338.834|306500.539|951.117|CO|
15|9492388.015|306590.582|951.305|CO|
16|9492383.639|306583.473|951.163|CO|
17|9492334.859|306493.277|950.925|CO|
18|9492379.384|306576.168|951.299|CO|
19|9492375.284|306568.476|951.276|CO|
20|9492330.202|306484.535|952.457|CO|
21|9492325.837|306477.067|953.398|CO|
22|9492320.933|306468.484|955.111|CO|
E34|9492351.415|306567.031|951.635|P|
E35|9492333.957|306576.646|951.493|P|
E36|9492316.364|306586.412|951.614|P|
E37|9492298.885|306596.068|951.510|P|
E38|9492281.132|306605.391|951.509|P|
E39|9492263.607|306615.026|951.647|P|
E34|9492351.415|306567.031|951.635|
E33|9492368.937|306557.358|951.344|
01|9492356.033|306576.519|951.396|CO|
02|9492359.288|306584.500|951.283|CO|
03|9492362.759|306592.494|951.116|CO|
04|9492366.597|306601.373|951.049|CO|
05|9492369.641|306608.492|950.958|CO|
06|9492373.050|306616.271|950.937|CO|
07|9492303.406|306477.300|956.815|CO|
08|9492376.260|306624.254|950.968|CO|
09|9492379.741|306632.051|951.029|CO|
10|9492382.969|306639.638|951.031|CO|
11|9492385.191|306644.806|951.083|CO|
12|9492308.720|306485.609|956.444|CO|
13|9492388.134|306651.525|950.970|CO|
14|9492312.132|306492.061|956.130|CO|
15|9492391.236|306658.813|950.829|CO|
16|9492316.117|306501.289|956.217|CO|
17|9492319.013|306506.882|955.819|CO|
18|9492323.623|306515.216|954.417|CO|
19|9492329.464|306526.466|952.227|CO|
20|9492333.923|306535.047|951.789|CO|
21|9492338.398|306543.067|950.559|CO|
22|9492343.615|306552.742|951.206|CO|
23|9492346.397|306557.767|951.861|CE|
E35|9492333.957|306576.646|951.493|
E34|9492351.415|306567.031|951.635|
01|9492339.425|306585.502|951.646|CE|
02|9492330.934|306571.069|950.551|CE|
03|9492343.930|306592.773|951.443|CO|
04|9492325.527|306562.291|950.193|CO|
05|9492347.799|306599.636|951.252|CO|
06|9492321.307|306553.454|951.365|CO|
07|9492352.372|306607.355|951.215|CO|
08|9492317.807|306546.579|951.725|CO|
09|9492356.643|306615.249|951.183|CO|
10|9492314.126|306538.164|953.164|CO|
11|9492360.521|306621.403|951.143|CO|

12|9492309.965|306531.825|955.454|CO|
13|9492365.074|306628.817|951.154|CO|
14|9492304.170|306524.116|955.488|CO|
15|9492369.269|306635.746|950.955|CO|
16|9492299.202|306516.108|955.671|CO|
17|9492373.457|306643.138|949.619|CO|
18|9492294.684|306507.097|955.764|CO|
19|9492377.063|306649.810|949.897|CO|
20|9492290.301|306499.462|956.076|CO|
21|9492382.444|306658.919|949.460|CO|
22|9492384.920|306662.875|950.863|CO|
23|9492282.800|306489.723|956.350|CO|
E36|9492316.364|306586.412|951.614|
E35|9492333.957|306576.646|951.493|
01|9492265.870|306499.976|955.824|CO|
02|9492363.981|306669.155|949.952|CO|
03|9492366.337|306673.145|951.122|CO|
04|9492270.590|306508.276|955.642|CO|
05|9492363.033|306667.249|949.249|CO|
06|9492359.339|306660.954|950.334|CO|
07|9492275.605|306516.633|955.393|CO|
08|9492355.215|306653.507|951.264|CO|
09|9492279.461|306523.545|955.093|CO|
10|9492350.087|306644.806|951.290|CO|
11|9492282.892|306529.693|954.596|CO|
12|9492345.144|306636.276|951.394|CO|
13|9492287.191|306537.320|953.612|CO|
14|9492339.886|306627.499|949.679|CO|
15|9492291.703|306544.352|953.606|CO|
16|9492335.982|306620.648|951.356|CO|
17|9492297.203|306553.319|952.893|CO|
18|9492331.721|306613.428|951.549|CO|
19|9492302.336|306561.801|951.674|CO|
20|9492327.536|306605.701|951.441|CO|
21|9492306.427|306569.354|951.401|CO|
22|9492322.623|306597.797|950.214|CO|
23|9492310.397|306576.608|951.668|CO|
E37|9492298.885|306596.068|951.510|
E36|9492316.364|306586.412|951.614|
01|9492303.835|306605.254|951.648|CO|
02|9492294.075|306588.338|951.390|CO|
03|9492307.884|306613.188|951.635|CO|
04|9492289.758|306580.941|951.483|CO|
05|9492311.171|306618.826|951.673|CO|
06|9492284.542|306573.359|951.679|CO|
07|9492315.357|306626.553|951.464|CO|
08|9492279.986|306565.511|951.990|CO|
09|9492275.555|306558.093|952.363|CO|
10|9492270.827|306550.968|953.145|CO|
11|9492266.338|306543.632|953.768|CO|
12|9492261.418|306535.769|954.243|CO|
13|9492257.308|306527.694|954.620|CO|
14|9492253.054|306520.821|954.960|CO|
15|9492319.049|306633.643|951.655|CO|
16|9492323.198|306641.281|951.528|CO|
17|9492249.121|306514.303|955.177|CO|
18|9492327.074|306648.081|951.341|CO|
19|9492330.672|306654.941|951.334|CO|
20|9492333.854|306660.425|951.245|CO|
21|9492336.585|306665.919|951.201|CO|

22|9492340.619|306673.357|951.126|CO|
23|9492344.913|306681.314|951.088|CO|
24|9492347.083|306685.190|950.803|CO|
E38|9492281.132|306605.391|951.509|
E39|9492263.607|306615.026|951.647|
01|9492285.099|306612.897|951.540|CO|
02|9492289.379|306620.502|951.597|CO|
03|9492293.703|306627.799|951.750|CO|
04|9492276.911|306597.820|951.451|CO|
05|9492298.400|306636.690|951.530|CO|
06|9492271.778|306589.229|951.559|CO|
07|9492302.724|306644.660|951.393|CO|
08|9492266.779|306580.719|951.696|CO|
09|9492262.148|306571.775|952.094|CO|
10|9492307.944|306654.113|951.302|CO|
11|9492257.568|306563.684|952.558|CO|
12|9492311.639|306660.722|951.219|CO|
13|9492253.244|306555.913|953.070|CO|
14|9492316.413|306669.242|951.272|CO|
15|9492249.182|306548.608|953.380|CO|
16|9492319.723|306675.368|951.135|CO|
17|9492245.173|306540.685|953.463|CO|
18|9492322.187|306679.942|951.155|CO|
19|9492240.133|306532.490|953.420|CO|
20|9492237.562|306527.000|953.608|CO|
21|9492327.259|306689.145|951.032|CO|
22|9492329.538|306693.319|951.030|CO|
23|9492232.046|306518.395|953.380|CO|
E58|9491931.085|306798.598|997.776|P|
E58+|9491919.959|306804.178|1000.089|P|
E58+|9491919.959|306804.178|1000.089|
E58|9491931.085|306798.598|997.776|
01|9491924.444|306812.592|999.482|CO|
02|9491915.533|306796.199|1000.790|CO|
03|9491928.925|306822.531|998.916|CO|
04|9491911.479|306789.197|1001.199|CO|
05|9491934.964|306832.333|998.227|CO|
06|9491907.961|306782.173|1000.961|CO|
07|9491939.258|306840.699|997.394|CO|
08|9491943.524|306849.063|996.473|CO|
09|9491947.671|306856.386|995.084|CO|
A58|9491907.969|306782.172|1000.976|CO|
015|9491953.025|306865.899|991.885|CO|
01|9491955.230|306870.983|990.425|CO|
A58|9491907.969|306782.172|1000.976|
E58+|9491919.959|306804.178|1000.089|
58B|9491903.522|306775.179|1000.013|P|
58B|9491903.522|306775.179|1000.013|
A58|9491907.969|306782.172|1000.976|
01|9491899.745|306768.456|997.081|CO|
02|9491896.498|306763.093|993.658|CO|
03|9491893.500|306757.753|990.095|CO|
04|9491891.381|306754.251|988.009|CO|
05|9491896.018|306774.831|999.919|CO|
06|9491888.605|306749.331|985.542|CO|
07|9491887.011|306773.815|999.527|CO|
08|9491886.287|306745.680|982.511|CO|
09|9491878.432|306773.041|999.174|CO|
10|9491882.556|306739.793|984.437|CO|
11|9491869.810|306771.822|998.509|CO|

12|9491878.149|306734.682|987.930|CO|
13|9491860.994|306768.596|999.807|CO|
14|9491874.893|306727.945|988.920|CO|
15|9491852.875|306765.524|1001.820|CO|
16|9491870.019|306718.680|988.914|CO|
17|9491844.124|306762.523|1004.316|CO|
18|9491876.800|306715.866|986.521|CO|
19|9491884.538|306712.321|984.650|CO|
20|9491892.295|306707.499|981.404|CO|
21|9491911.812|306768.858|996.487|CO|
22|9491899.973|306704.528|978.700|CO|
23|9491916.302|306764.120|993.936|CO|
24|9491921.811|306758.427|991.480|CO|
25|9491911.346|306700.161|976.582|CO|
26|9491926.168|306752.640|988.674|CO|
27|9491919.044|306697.783|974.870|CO|
28|9491932.175|306746.828|985.471|CO|
29|9491927.513|306697.353|973.018|CO|
30|9491937.535|306741.899|982.391|CO|
31|9491935.713|306695.553|972.038|CO|
32|9491943.220|306737.459|979.729|CO|
33|9491944.124|306695.892|971.842|CO|
34|9491949.452|306732.112|978.137|CO|
35|9491951.472|306693.900|970.516|CO|
36|9491956.212|306725.799|975.533|CO|
37|9491958.173|306690.116|969.202|CO|
38|9491963.284|306720.047|974.279|CO|
39|9491966.846|306687.938|969.198|CO|
40|9491972.771|306713.361|971.936|CO|
41|9491974.278|306684.790|968.656|CO|
42|9491979.196|306708.417|970.036|CO|
43|9491980.816|306680.030|967.867|CO|
44|9491986.869|306703.219|968.853|CO|
45|9491988.150|306675.416|967.050|CO|
46|9491994.090|306696.816|968.052|CO|
47|9491998.566|306667.110|965.392|CE|
48|9492007.330|306684.404|965.831|CE|
49|9492003.633|306677.901|965.535|CE|
50|9491996.116|306685.290|966.317|CO|
51|9491986.730|306691.077|968.157|CO|
52|9491972.056|306700.037|969.285|CO|
53|9491957.806|306707.762|973.019|CO|
54|9491943.844|306716.527|975.214|CO|
55|9491930.549|306724.624|977.734|CO|
56|9491916.256|306734.059|981.134|CO|
57|9491906.781|306740.427|980.256|CO|
E50|9492070.907|306721.099|961.803|P|
E41+|9492217.490|306640.403|952.191|P|
E50|9492070.907|306721.099|961.803|
E41+|9492217.490|306640.403|952.191|
E42|9492211.018|306643.965|949.497|P|
E43|9492193.513|306653.604|951.549|P|
E44|9492176.028|306663.229|950.997|P|
E45|9492158.448|306672.907|952.656|P|
E46|9492140.904|306682.565|953.431|P|
E47|9492123.408|306692.197|954.916|P|
E48|9492105.945|306701.810|956.471|P|
E49|9492088.411|306711.463|959.665|P|
01|9492026.033|306641.618|964.449|CO|
02|9492022.125|306633.877|964.749|CO|

03|9492075.101|306728.288|961.681|CO|
04|9492079.105|306735.783|961.729|CO|
05|9492082.247|306742.830|961.177|CO|
06|9492086.139|306749.347|960.775|CO|
07|9492090.283|306755.888|960.068|CO|
50E|9492093.978|306762.516|958.874|A|
E51|9492053.353|306730.760|961.309|P|
E52|9492035.874|306740.378|961.708|P|
E53|9492018.366|306750.014|964.232|P|
E54|9492000.807|306759.678|967.528|P|
E55|9491983.267|306769.332|973.046|P|
M2|9491918.681|306804.689|1000.304|MARCO|
E51|9492053.353|306730.760|961.309|
E50|9492070.907|306721.099|961.803|
01|9492059.160|306741.659|960.409|CO|
02|9492062.986|306749.039|959.931|CO|
03|9492066.958|306756.154|958.766|CO|
04|9492070.844|306762.693|957.845|CO|
05|9492050.025|306724.275|962.279|CO|
06|9492074.656|306769.796|956.977|CO|
07|9492046.416|306717.283|962.676|CO|
08|9492078.844|306777.321|955.810|CO|
09|9492042.000|306709.406|963.510|CO|
10|9492083.068|306785.266|956.202|CO|
11|9492036.994|306700.643|963.985|CO|
12|9492087.232|306792.667|956.538|CO|
13|9492032.877|306692.609|964.148|CO|
14|9492090.959|306800.310|957.400|CO|
15|9492028.791|306684.991|964.331|CO|
16|9492094.548|306808.115|957.629|CO|
17|9492024.478|306676.048|964.470|CO|
18|9492098.092|306814.879|957.117|CO|
19|9492021.146|306668.409|963.962|CO|
20|9492016.757|306659.178|963.127|CO|
21|9492011.592|306651.457|962.450|CO|
22|9492008.418|306645.546|963.338|CO|
E52|9492035.874|306740.378|961.708|
E51|9492053.353|306730.760|961.309|
01|9492041.442|306750.565|959.135|CO|
02|9492031.403|306732.228|962.486|CO|
03|9492045.338|306758.604|959.004|CO|
04|9492025.378|306721.834|963.968|CE|
05|9492049.674|306765.337|959.822|CO|
06|9492019.853|306713.305|964.730|CO|
07|9492053.706|306772.819|959.547|CO|
08|9492015.773|306704.592|965.074|CO|
09|9492056.884|306779.552|956.895|CO|
10|9492010.424|306695.315|965.871|CO|
11|9492061.793|306787.048|958.590|CO|
12|9492005.682|306686.816|965.872|CO|
13|9492066.044|306794.958|959.097|CO|
14|9492000.687|306677.965|965.744|CO|
15|9492070.396|306803.048|958.503|CO|
16|9492074.423|306810.564|958.521|CO|
17|9491996.137|306670.006|965.685|CO|
18|9492078.734|306817.961|957.577|CO|
19|9491991.609|306661.730|965.102|CO|
20|9492083.156|306825.771|957.433|CO|
21|9492084.613|306828.292|958.238|CO|
22|9491987.371|306653.701|965.145|CO|

E53|9492018.366|306750.014|964.232|
E52|9492035.874|306740.378|961.708|
01|9492064.297|306839.670|960.335|53CO|
02|9491974.748|306659.817|966.140|53CO|
03|9492060.156|306833.069|960.805|53CO|
04|9491977.667|306668.459|967.107|53CO|
05|9492056.403|306825.887|960.866|53CO|
06|9491980.033|306676.770|967.883|53CO|
07|9492052.723|306818.513|961.097|53CO|
08|9491982.568|306685.001|967.798|53CO|
09|9492049.157|306809.915|961.652|53CO|
10|9491986.569|306693.728|968.510|53CO|
11|9492045.027|306802.904|961.674|53CO|
12|9491990.679|306702.363|968.736|53CO|
13|9492039.963|306796.191|961.379|53CO|
14|9491995.148|306709.675|967.632|53CO|
15|9492035.730|306788.886|961.771|53CO|
16|9491999.289|306717.548|966.272|53CO|
17|9492032.217|306781.147|962.196|53CO|
18|9492003.975|306725.487|965.440|53CO|
19|9492028.451|306773.817|963.615|53CO|
20|9492008.281|306733.556|966.202|53CO|
21|9492024.970|306765.705|964.398|53CO|
22|9492013.063|306741.669|965.136|53CO|
23|9492021.984|306759.214|964.745|53CO|
24|9492016.147|306747.100|962.912|53CO|
E55|9491983.267|306769.332|973.046|
E53|9492018.366|306750.014|964.232|
01|9492050.930|306847.617|963.843|54CO|
02|9492046.274|306841.620|964.876|54CO|
03|9492041.774|306835.760|965.784|54CO|
04|9492037.572|306829.175|965.782|54CO|
05|9492033.631|306823.120|966.469|54CO|
06|9491995.720|306750.893|967.755|54CO|
07|9492028.817|306816.881|966.921|54CO|
08|9491990.670|306741.471|968.410|54CO|
09|9492024.588|306811.918|966.507|54CO|
10|9492020.286|306806.317|967.612|54CO|
11|9491986.670|306733.242|969.271|54CO|
12|9492016.706|306801.460|967.804|54CO|
13|9491982.310|306725.250|969.943|54CO|
14|9492011.551|306796.245|969.758|54CO|
15|9491977.231|306717.172|971.404|54CO|
16|9492008.114|306789.979|970.617|54CO|
17|9491971.206|306708.977|971.028|54CO|
18|9492008.489|306781.032|970.101|54CO|
19|9491965.645|306701.657|970.157|54CO|
20|9492007.099|306773.411|969.714|54CO|
21|9491961.312|306692.724|969.870|54CO|
22|9491947.032|306702.665|973.533|55CO|
23|9491951.488|306711.252|974.416|55CO|
24|9491986.937|306776.488|973.758|55CO|
25|9491956.089|306720.273|975.051|55CO|
26|9491990.964|306782.883|973.639|55CO|
27|9491961.872|306731.098|974.437|55CO|
28|9491994.580|306789.603|972.918|55CO|
29|9491967.048|306739.358|974.601|55CO|
30|9491998.898|306797.286|973.047|55CO|
31|9491971.516|306747.374|974.296|55CO|
32|9492001.287|306804.336|972.275|55CO|

33|9491975.105|306754.744|973.594|55CO|
34|9492006.008|306811.276|972.653|55CO|
35|9491978.472|306761.462|972.905|55CO|
36|9492009.711|306818.655|972.065|55CO|
37|9492014.236|306826.062|971.822|55CO|
38|9492017.817|306833.616|972.286|55CO|
39|9492021.695|306842.148|971.375|55CO|
40|9492025.544|306848.590|969.535|55CO|
41|9492027.932|306854.680|967.475|55CO|
42|9491960.400|306771.044|979.056|56CO|
43|9492013.738|306860.307|970.541|56CO|
44|9491955.311|306762.001|980.563|56CO|
45|9492009.925|306853.209|972.798|56CO|
46|9491949.580|306754.559|982.476|56CO|
47|9492006.932|306846.710|973.858|56CO|
48|9491943.593|306747.340|982.650|56CO|
49|9492003.265|306839.442|974.992|56CO|
50|9491936.166|306739.406|981.838|56CO|
51|9491996.879|306826.348|975.538|56CO|
52|9491994.756|306819.164|975.863|56CO|
53|9491989.423|306812.941|976.754|56CO|
54|9491983.962|306806.242|978.225|56CO|
55|9491978.508|306799.899|977.679|56CO|
56|9491973.461|306793.330|979.063|56CO|
57|9491924.841|306751.770|988.634|57CO|
58|9491957.789|306801.465|987.384|57CO|
59|9491931.225|306761.201|989.241|57CO|
60|9491960.158|306809.638|987.290|57CO|
61|9491936.234|306769.354|990.785|57CO|
62|9491963.021|306817.562|988.536|57CO|
63|9491941.441|306778.183|989.827|57CO|
64|9491965.655|306825.139|988.070|57CO|
65|9491968.030|306832.631|987.445|57CO|
66|9491969.987|306841.039|987.617|57CO|
67|9491972.496|306849.570|987.154|57CO|
68|9491974.676|306858.756|986.540|57CO|
69|9491925.417|306790.729|998.709|CO|
70|9491920.063|306782.856|999.271|CO|
71|9491975.582|306865.549|985.134|CO|
72|9491910.462|306772.831|998.476|CO|
73|9491976.729|306872.179|983.737|CO|
74|9491936.196|306807.088|996.553|CO|
75|9491940.782|306816.778|995.984|CO|
76|9491945.758|306824.997|995.893|CO|
77|9491950.742|306834.398|994.346|CO|
78|9491955.569|306843.063|993.127|CO|
79|9491957.616|306852.228|992.121|CO|
50E|9492093.978|306762.516|958.874|
E50|9492070.907|306721.099|961.803|
01|9492098.027|306768.490|956.213|CO|
02|9492103.697|306774.482|954.034|CO|
03|9492108.131|306781.635|956.045|CO|
04|9492113.101|306788.132|956.826|CO|
05|9492118.095|306795.070|956.394|CO|
06|9492123.249|306802.010|956.094|CO|
07|9492127.718|306807.886|955.713|CO|
E49|9492088.411|306711.463|959.665|
E50|9492070.907|306721.099|961.803|
01|9492091.809|306718.470|959.532|CO|
02|9492083.680|306702.169|959.453|CO|

03|9492095.604|306725.607|959.551|CO|
04|9492079.813|306694.824|959.173|CO|
05|9492099.358|306733.218|958.873|CO|
06|9492075.648|306686.090|959.045|CO|
07|9492103.171|306741.048|958.350|CO|
08|9492068.360|306671.362|959.382|CO|
09|9492106.808|306748.294|956.695|CO|
10|9492064.123|306663.384|960.013|CO|
11|9492110.399|306755.572|955.346|CO|
12|9492059.987|306655.601|960.734|CO|
13|9492114.075|306762.917|953.940|CO|
14|9492056.013|306647.457|960.716|CO|
15|9492118.075|306770.630|953.223|CO|
16|9492051.765|306639.753|959.904|CO|
17|9492121.333|306777.720|954.685|CO|
18|9492124.665|306784.700|955.754|CO|
19|9492047.987|306631.545|958.580|CO|
20|9492128.817|306792.611|955.483|CO|
21|9492042.405|306621.766|957.659|CO|
22|9492132.831|306800.681|955.690|CO|

Arquivo Colunado: C:\1111PASTA DE TRABALHOS\KL
BARRAGENS\JATOBA\Complemento\jatogas-20-01-04.geoPrograma de transferencia
GDM

E19|9492614.093|306422.179|965.070|P|
E12|9492736.729|306354.701|970.078|P|
E0|9492947.000|306239.000|1000.000|P|
E2|9492911.962|306258.281|989.425|P|
E12|9492736.729|306354.701|970.078|
E19|9492614.093|306422.179|965.070|
SM12|9492672.624|306241.648|967.834|P|
SJ12|9492799.388|306468.562|970.483|P|
SM12|9492672.624|306241.648|967.834|
E12|9492736.729|306354.701|970.078|
01|9492687.577|306268.651|968.262|CO|
02|9492682.829|306260.419|968.221|CO|
03|9492678.658|306252.838|968.058|CO|
04|9492667.971|306232.634|967.661|CO|
05|9492663.917|306224.047|967.224|CO|
SM13|9492655.039|306251.309|967.197|P|
01|9492694.909|306240.215|968.522|CO|
02|9492701.124|306247.299|968.706|CO|
03|9492685.006|306224.981|968.187|CO|
04|9492678.415|306218.328|967.796|CO|
05|9492690.489|306231.831|968.637|CO|
SM10|9492707.534|306222.443|968.919|P|
SM10|9492707.534|306222.443|968.919|
SM12|9492672.624|306241.648|967.834|
01|9492711.912|306230.474|968.970|CO|
02|9492716.198|306238.561|969.223|CO|
03|9492702.970|306214.223|968.768|CO|
04|9492697.572|306204.277|968.651|CO|
01|9492725.381|306212.623|969.684|CO|
02|9492718.545|306205.874|969.414|CO|
03|9492712.718|306199.973|969.216|CO|
04|9492730.055|306220.652|969.878|CO|
05|9492734.616|306226.446|970.715|CO|
SM8|9492742.760|306203.037|971.097|P|
SM8|9492742.760|306203.037|971.097|
SM10|9492707.534|306222.443|968.919|
01|9492737.576|306193.784|970.452|CO|
02|9492733.566|306184.032|970.249|CO|
03|9492747.961|306212.567|971.674|CO|
04|9492752.416|306220.429|972.052|CO|
05|9492760.676|306193.178|972.531|CO|
06|9492762.793|306203.305|972.837|CO|
07|9492768.037|306209.509|973.490|CO|
08|9492756.749|306184.237|972.303|CO|
09|9492751.651|306177.429|971.695|CO|
SM6|9492777.744|306183.759|973.953|P|
SM6|9492777.744|306183.759|973.953|
SM8|9492742.760|306203.037|971.097|
01|9492782.624|306192.425|974.440|CO|
02|9492786.846|306200.943|975.134|CO|
03|9492772.698|306174.554|973.266|CO|
04|9492767.670|306165.729|972.563|CO|
SM5|9492795.347|306174.075|975.192|P|
SM5|9492795.347|306174.075|975.192|
SM6|9492777.744|306183.759|973.953|
01|9492800.257|306183.622|975.581|CO|
02|9492803.810|306191.010|976.317|CO|

03|9492791.756|306165.722|974.393|CO|
04|9492787.973|306155.114|973.160|CO|
SM4|9492812.846|306164.479|975.365|P|
SM4|9492812.846|306164.479|975.365|
SM5|9492795.347|306174.075|975.192|
01|9492817.071|306171.848|976.330|CO|
02|9492821.928|306181.878|977.662|CO|
03|9492808.995|306156.943|973.366|CO|
04|9492803.556|306146.946|971.734|CO|
SM3|9492830.316|306154.864|973.836|P|
SM3|9492830.316|306154.864|973.836|
SM4|9492812.846|306164.479|975.365|
01|9492834.776|306162.970|975.495|CO|
02|9492839.622|306172.225|977.722|CO|
03|9492826.644|306147.280|971.378|CO|
04|9492820.004|306136.138|968.602|CO|
05|9492846.139|306146.157|968.333|CO|
SM2|9492848.097|306145.083|968.691|P|
08|9492860.902|306138.040|972.323|CO|
SM1|9492865.357|306135.625|971.808|P|
SM2|9492848.097|306145.083|968.691|
SM3|9492830.316|306154.864|973.836|
01|9492853.563|306154.839|971.672|CO|
02|9492858.334|306163.249|974.653|CO|
03|9492843.141|306136.648|967.122|CO|
04|9492837.816|306127.530|966.600|CO|
SM1|9492865.357|306135.625|971.808|
SM3|9492830.316|306154.864|973.836|
01|9492869.510|306144.035|973.361|CE|
02|9492873.430|306154.001|975.463|CE|
03|9492861.645|306127.711|969.363|CE|
04|9492857.783|306120.896|966.586|CE|
05|9492855.843|306117.712|967.060|CO|
06|9492878.278|306128.513|967.670|CO|
SM0|9492882.894|306125.972|969.874|P|
SM0|9492882.894|306125.972|969.874|
SM1|9492865.357|306135.625|971.808|
01|9492887.648|306133.839|970.560|CO|
02|9492891.651|306141.480|969.918|CO|
03|9492877.909|306116.914|971.182|CO|
04|9492873.032|306108.053|972.336|CO|
GA1|9492870.639|306103.649|972.375|P|
GA1|9492870.639|306103.649|972.375|
SM0|9492882.894|306125.972|969.874|
01|9492865.607|306094.495|972.442|CO|
02|9492861.025|306086.159|972.902|CO|
03|9492856.003|306077.023|972.911|CO|
GA2|9492852.962|306071.457|972.199|P|
GA2|9492852.962|306071.457|972.199|
GA1|9492870.639|306103.649|972.375|
01|9492848.261|306062.946|970.852|CO|
02|9492842.922|306053.280|968.832|CO|
03|9492838.834|306045.434|967.110|CO|
04|9492835.257|306038.561|964.936|CO|
05|9492831.179|306030.759|963.013|CO|
06|9492826.700|306022.478|961.105|CO|
07|9492822.207|306014.097|959.346|CO|
GA3|9492817.668|306005.691|958.278|P|
GA3|9492817.668|306005.691|958.278|
GA2|9492852.962|306071.457|972.199|

01|9492812.217|305996.783|957.468|CO|
02|9492807.324|305989.373|957.161|CO|
03|9492800.247|305982.867|956.822|CO|
04|9492794.825|305975.049|957.225|CO|
05|9492789.131|305966.993|957.083|CO|
06|9492783.583|305958.218|957.412|CO|
07|9492777.421|305950.488|957.560|CO|
08|9492770.190|305941.265|957.237|RIA|
09|9492767.716|305938.031|957.472|RIA|
10|9492761.647|305929.624|957.826|CO|
11|9492755.877|305921.751|957.945|CO|
12|9492749.534|305913.160|957.922|CO|
13|9492742.265|305903.334|957.554|CO|
14|9492736.382|305894.630|957.819|CO|
15|9492730.425|305886.203|958.158|CO|
16|9492724.999|305878.084|959.984|CO|
17|9492719.044|305870.786|962.816|CO|
18|9492712.597|305863.534|965.248|CO|
19|9492707.378|305855.686|966.629|CO|
20|9492763.570|305959.283|956.708|RIA|
21|9492765.059|305960.581|957.190|RIA|
22|9492755.349|305978.334|957.369|RIA|
23|9492745.611|305976.926|957.425|RIA|
24|9492749.961|305978.632|957.110|EIXO|
25|9492755.881|305989.966|956.778|EIXO|
SM13|9492655.039|306251.309|967.197|
SM12|9492672.624|306241.648|967.834|
01|9492659.600|306259.496|967.408|CO|
02|9492665.009|306269.294|967.524|CO|
03|9492649.131|306240.715|966.982|CO|
04|9492644.158|306231.911|966.573|CO|
05|9492637.545|306260.935|966.573|CO|
SM14|9492637.565|306260.924|966.604|P|
SM15|9492619.947|306270.619|965.848|P|
SM16|9492602.534|306280.200|964.590|P|
SM17|9492584.912|306289.898|964.177|P|
SM18|9492567.456|306299.502|960.876|P|
06|9492590.973|306286.476|963.401|CO|
07|9492593.360|306284.929|962.580|CO|
08|9492595.843|306283.691|963.380|CO|
09|9492642.245|306269.803|966.615|CO|
10|9492646.510|306276.970|966.833|CO|
11|9492633.711|306251.301|966.511|CO|
12|9492628.916|306241.146|966.333|CO|
SM16|9492602.534|306280.200|964.590|
SM15|9492619.947|306270.619|965.848|
01|9492613.871|306262.423|965.379|CO|
02|9492608.832|306255.547|964.998|CO|
03|9492624.498|306279.379|965.775|CO|
04|9492628.137|306288.640|965.827|CO|
05|9492611.943|306297.792|964.783|CO|
06|9492607.123|306288.844|964.700|CO|
07|9492596.292|306272.396|964.467|CO|
08|9492589.514|306264.493|964.406|CO|
09|9492589.623|306298.664|964.035|CO|
10|9492594.891|306305.238|964.440|CO|
11|9492581.106|306284.761|961.937|CO|
12|9492578.344|306278.253|960.137|CO|
13|9492579.348|306279.686|959.900|CO|
SM18|9492567.456|306299.502|960.876|

SM17|9492584.912|306289.898|964.177|
SM19|9492549.878|306309.161|956.380|P|
02|9492564.038|306293.368|960.538|CO|
01|9492559.126|306284.935|958.460|CO|
03|9492571.788|306307.680|961.079|CO|
04|9492575.830|306316.299|962.058|CO|
SM19|9492549.878|306309.161|956.380|
SM18|9492567.456|306299.502|960.876|
01|9492554.655|306317.841|958.209|CO|
02|9492558.359|306324.833|959.827|CO|
03|9492519.907|306354.689|955.201|NA|
04|9492539.185|306327.277|955.282|NA|
05|9492538.350|306315.252|955.196|NA|
06|9492547.621|306288.754|955.217|NA|
07|9492547.096|306262.220|955.173|NA|
G5|9492482.426|306346.273|959.288|P|
15|9492420.253|306311.194|955.230|NA|
16|9492410.991|306295.333|955.199|NA|
17|9492427.031|306281.077|955.220|NA|
18|9492441.750|306268.235|955.217|NA|
G5|9492482.426|306346.273|959.288|
SM19|9492549.878|306309.161|956.380|
01|9492489.280|306348.265|959.348|CE|
02|9492523.709|306364.135|959.537|CE|
G6|9492472.794|306351.573|959.240|P|
G6|9492472.794|306351.573|959.240|
G5|9492482.426|306346.273|959.288|
01|9492477.746|306343.791|959.409|PC|
02|9492411.381|306317.241|959.313|BE|
03|9492409.671|306323.390|959.279|BE|
04|9492427.569|306331.727|959.206|BE|
05|9492459.531|306337.478|959.179|BE|
06|9492445.308|306339.259|959.219|BE|
07|9492441.640|306330.169|959.375|BE|
08|9492462.659|306346.564|959.232|BE|
09|9492462.193|306357.409|953.927|CO|
10|9492451.461|306350.874|954.167|CO|
11|9492475.939|306370.655|953.497|CO|
12|9492485.643|306382.361|953.420|CO|
13|9492459.205|306359.136|953.415|CE|
14|9492477.871|306365.792|953.682|CE|
15|9492448.726|306355.428|953.583|CE|
16|9492448.094|306365.170|953.206|CO|
17|9492454.531|306372.767|953.134|CO|
18|9492440.864|306359.673|952.949|CO|
19|9492461.029|306380.646|952.909|CO|
20|9492433.316|306353.755|952.632|CO|
21|9492427.256|306376.861|952.828|CO|
22|9492432.963|306384.614|952.880|CO|
23|9492422.475|306368.214|953.144|CO|
24|9492437.787|306393.300|952.883|CO|
25|9492418.015|306360.398|954.879|CO|
26|9492412.456|306385.860|952.541|CE|
27|9492413.638|306375.985|953.681|CE|
28|9492414.114|306366.167|954.759|CE|
29|9492411.594|306393.774|952.571|CE|
30|9492416.320|306343.870|954.809|CE|
31|9492410.065|306386.000|952.400|CO|
32|9492408.912|306379.843|953.008|CO|
33|9492411.085|306395.557|952.527|CO|

34|9492410.808|306405.038|952.452|CO|
35|9492407.687|306370.373|954.969|CO|
SM32|9492322.001|306434.495|957.827|P|
SM32|9492322.001|306434.495|957.827|
G6|9492472.794|306351.573|959.240|
01|9492339.503|306424.871|954.403|CO|
02|9492339.339|306416.377|955.856|CO|
03|9492341.812|306408.812|955.400|CO|
04|9492339.183|306433.279|953.935|CO|
05|9492338.327|306441.215|953.452|CO|
06|9492356.556|306415.475|952.265|CO|
07|9492353.010|306406.454|952.361|CO|
08|9492351.246|306397.124|954.302|CO|
09|9492361.989|306424.100|952.022|CO|
10|9492368.630|306431.095|950.902|CO|
11|9492374.847|306405.462|951.680|CO|
12|9492378.576|306413.192|952.166|CO|
13|9492381.361|306420.613|951.270|CO|
14|9492371.324|306395.383|952.480|CO|
15|9492369.132|306385.192|954.375|CO|
16|9492317.105|306425.381|957.933|CO|
17|9492312.682|306417.055|957.941|CO|
18|9492326.094|306442.078|956.315|CO|
19|9492327.830|306449.209|954.823|CO|
SM33|9492304.478|306444.137|957.800|P|
SM33|9492304.478|306444.137|957.800|
SM32|9492322.001|306434.495|957.827|
SM34|9492286.826|306453.850|957.592|P|
SM35|9492269.071|306463.620|957.113|P|
SM36|9492251.880|306473.059|956.343|P|
01|9492299.072|306434.176|958.067|CO|
02|9492294.633|306425.803|957.919|CO|
03|9492290.091|306416.665|957.836|CO|
04|9492307.814|306453.117|957.612|CO|
05|9492310.120|306462.080|957.174|CO|
06|9492271.461|306420.877|957.382|CO|
07|9492296.004|306475.056|956.846|CO|
08|9492272.167|306430.841|957.665|CO|
09|9492291.840|306466.138|957.082|CO|
10|9492276.919|306439.812|957.872|CO|
11|9492274.041|306472.125|956.804|CO|
12|9492265.476|306455.433|957.247|CO|
13|9492278.511|306481.152|956.463|CO|
14|9492261.376|306446.332|957.310|CO|
SM36|9492251.880|306473.059|956.343|
SM33|9492304.478|306444.137|957.800|
01|9492256.755|306481.779|956.299|CO|
02|9492261.404|306490.225|956.095|CO|
03|9492247.417|306464.928|955.836|CO|
04|9492243.938|306458.203|955.581|CE|
05|9492241.615|306454.470|954.894|CO|
06|9492235.658|306481.986|954.134|CE|
SM37|9492234.464|306482.643|953.977|P|
SM38|9492216.909|306492.293|951.971|P|
01|9492233.597|306473.395|953.895|CO|
02|9492232.334|306491.566|953.884|CE|
03|9492231.819|306464.878|953.445|CO|
04|9492236.069|306499.359|954.574|CO|
SM38|9492216.909|306492.293|951.971|
SM36|9492251.880|306473.059|956.343|

01|9492220.010|306498.283|952.252|CE|
02|9492224.534|306507.107|953.075|CO|
03|9492226.674|306510.852|953.174|CO|
04|9492212.403|306484.138|951.781|CO|
05|9492207.432|306474.876|951.734|CO|
SM39|9492199.513|306501.772|949.021|P|
SM40|9492181.959|306511.337|951.213|P|
SM41|9492164.360|306520.930|952.565|P|
SM39|9492199.513|306501.772|949.021|
SM38|9492216.909|306492.293|951.971|
01|9492203.816|306509.571|949.126|CO|
02|9492195.563|306494.667|950.749|CO|
03|9492209.417|306517.679|949.165|CO|
04|9492187.843|306488.878|950.718|CO|
05|9492185.769|306486.435|950.752|CO|
06|9492182.056|306492.250|949.808|CO|
07|9492181.423|306493.449|949.061|RIO|
08|9492177.342|306499.798|948.909|RIO|
09|9492174.121|306503.689|951.370|CO|
10|9492217.013|306512.917|949.029|RIO|
11|9492220.536|306509.802|950.288|CO|
12|9492205.217|306527.928|950.000|RIO|
13|9492199.769|306532.735|952.112|CO|
SM40|9492181.959|306511.337|951.213|
SM39|9492199.513|306501.772|949.021|
01|9492187.536|306523.147|952.329|CO|
02|9492176.152|306501.218|949.849|CO|
03|9492191.073|306529.214|952.412|CO|
04|9492171.678|306495.211|949.093|CO|

Arquivo Colunado: C:\1111PASTA DE TRABALHOS\KL
BARRAGENS\JATOBA\Complemento\jatopaulo-21-01-04.geoPrograma de transferencia
GDM

SJ44|9492252.443|306767.000|947.471|POL|
AUX1|9492275.315|306754.402|950.335|POL|
SJ44|9492252.443|306767.000|947.471|
AUX1|9492275.315|306754.402|950.335|
01|9492275.261|306755.412|949.414|CE|
02|9492274.261|306755.967|949.282|RIO|
03|9492286.904|306776.953|949.016|BRIO|
04|9492288.427|306777.507|949.305|CE|
05|9492280.239|306765.634|945.975|RIO|
06|9492283.463|306781.771|945.540|RIO|
07|9492272.910|306776.724|945.821|RIO|
08|9492269.225|306766.239|945.295|RIO|
09|9492250.026|306760.744|945.096|RIO|
10|9492243.312|306760.754|945.369|RIO|
11|9492232.178|306752.135|945.390|RIO|
12|9492237.964|306744.047|945.752|RIO|
13|9492244.674|306738.893|948.168|BRIO|
14|9492268.598|306757.648|945.701|RIO|
15|9492258.623|306766.925|947.445|BRIO|
16|9492266.191|306773.577|947.330|BRIO|
SJ45|9492234.888|306776.629|949.750|POL|
SJ45A|9492234.903|306776.626|949.158|POL|
20|9492249.383|306760.618|945.116|CO|
21|9492245.350|306752.145|945.686|CO|
22|9492255.724|306775.135|948.089|CO|
23|9492258.666|306782.740|948.079|CO|
SJ45A|9492234.903|306776.626|949.158|
SJ44|9492252.443|306767.000|947.471|
35|9492231.597|306769.651|949.242|CO|
36|9492228.545|306761.172|948.982|CO|
37|9492238.772|306784.573|948.980|CO|
38|9492243.094|306793.570|948.746|CO|
39|9492236.493|306781.085|949.062|CE|
SJ46|9492217.350|306786.042|949.004|POL|
SJ47|9492199.670|306795.708|948.410|POL|
SJ48|9492182.251|306805.151|948.220|POL|
SJ47|9492199.670|306795.708|948.410|
SJ44|9492252.443|306767.000|947.471|
50|9492221.071|306792.651|948.834|CO|
51|9492223.898|306799.134|948.459|CO|
52|9492214.930|306780.036|949.052|CO|
53|9492212.318|306774.976|949.111|CO|
54|9492194.764|306787.961|948.327|CO|
55|9492191.226|306780.908|948.316|CO|
56|9492203.867|306803.004|948.184|CO|
57|9492208.257|306810.154|948.036|CO|
58|9492194.739|306819.996|948.225|CO|
59|9492191.456|306812.644|948.175|CO|
60|9492180.336|306794.156|948.258|CO|
61|9492176.340|306787.626|949.013|CO|
SJ49|9492164.722|306814.683|949.256|POL|
SJ50|9492146.938|306824.349|950.221|POL|
SJ50|9492146.938|306824.349|950.221|
SJ47|9492199.670|306795.708|948.410|
65|9492166.681|306824.887|948.990|CO|
66|9492167.552|306831.004|948.808|CO|
67|9492163.067|306812.911|949.264|CO|

68|9492161.288|306803.248|949.719|CO|
69|9492140.498|306815.082|951.131|CO|
70|9492136.775|306809.969|952.413|CO|
71|9492151.068|306831.502|949.943|CO|
72|9492157.571|306841.035|949.470|CO|
73|9492129.171|306834.065|951.653|CO|
SJ52|9492111.991|306843.596|954.536|POL|
SJ53|9492094.345|306853.335|955.782|POL|
SJ52|9492111.991|306843.596|954.536|
SJ50|9492146.938|306824.349|950.221|
80|9492127.045|306828.944|951.294|CO|
81|9492124.991|306820.886|951.996|CO|
82|9492131.870|306839.792|952.362|CO|
83|9492135.741|306846.327|951.881|CO|
84|9492106.607|306833.643|953.727|CO|
85|9492104.095|306827.170|954.125|CO|
100|9492116.130|306851.195|954.150|CO|
101|9492120.531|306858.994|953.891|CO|
102|9492105.959|306867.223|953.727|CO|
103|9492099.192|306860.995|954.300|CO|
104|9492088.586|306845.593|956.303|CO|
105|9492086.620|306840.322|956.268|CO|
SJ54|9492076.835|306862.821|956.047|POL|
SJ55|9492059.353|306872.380|956.134|POL|
SJ56|9492041.658|306882.056|959.875|POL|
SJ55|9492059.353|306872.380|956.134|
SJ52|9492111.991|306843.596|954.536|
120|9492081.104|306867.737|955.310|CO|
121|9492085.001|306873.181|954.396|CO|
122|9492072.656|306857.027|956.349|CO|
123|9492067.477|306850.491|957.186|CO|
124|9492071.942|306853.935|956.600|CE|
125|9492078.754|306868.839|955.270|CE|
126|9492068.008|306888.419|954.010|CE|
127|9492063.871|306881.423|956.069|CO|
128|9492054.784|306863.772|959.210|CO|
129|9492051.562|306856.729|960.623|CO|
130|9492046.111|306887.845|958.741|CO|
131|9492052.351|306894.607|957.429|CO|
132|9492035.538|306876.483|961.877|CO|
133|9492030.797|306869.949|963.313|CO|
134|9492024.230|306891.474|962.789|CO|
SJ57|9492024.202|306891.490|962.769|POL|
SJ58|9492006.714|306901.022|967.783|POL|
150|9492008.701|306906.445|966.406|CO|
151|9492012.556|306913.324|963.971|CO|
152|9492002.196|306893.569|969.702|CO|
153|9491998.791|306887.239|971.119|CO|
154|9492012.315|306878.647|967.623|CO|
155|9492017.827|306884.421|965.206|CO|
156|9492029.663|306898.743|961.863|CO|
157|9492036.464|306904.643|960.315|CO|
SM41|9492164.360|306520.930|952.565|POL|
SM40|9492181.959|306511.337|951.213|POL|
SM41|9492164.360|306520.930|952.565|
SM40|9492181.959|306511.337|951.213|
200|9492169.190|306529.699|952.191|CO|
201|9492174.014|306536.298|952.019|CO|
202|9492160.102|306513.178|952.448|CO|
203|9492156.708|306507.215|952.252|CO|

204|9492159.973|306523.366|952.579|CE|
SM42|9492146.755|306530.413|952.285|POL|
SM43|9492129.184|306540.110|952.610|POL|
SM44|9492111.405|306549.680|952.351|POL|
SM43|9492129.184|306540.110|952.610|
SM41|9492164.360|306520.930|952.565|
230|9492152.422|306535.407|952.207|CO|
231|9492156.915|306541.011|952.043|CO|
232|9492142.275|306524.787|952.399|CO|
233|9492136.803|306518.177|952.697|CO|
234|9492133.488|306548.740|952.524|CO|
235|9492136.621|306557.134|952.250|CO|
236|9492125.322|306533.993|952.827|CO|
237|9492122.075|306527.075|952.920|CO|
238|9492107.381|306528.963|952.478|CO|
239|9492108.640|306539.333|952.466|CO|
240|9492111.280|306556.980|952.163|CO|
241|9492122.326|306565.549|951.975|CO|
SM45|9492093.947|306559.125|952.171|POL|
SM46|9492076.289|306568.687|952.631|POL|
SM47|9492058.865|306578.072|954.900|POL|
SM46|9492076.289|306568.687|952.631|
SM43|9492129.184|306540.110|952.610|
250|9492099.001|306563.150|951.924|CO|
251|9492102.661|306571.522|951.775|CO|
252|9492089.237|306553.757|952.451|CO|
253|9492084.116|306547.117|952.498|CO|
254|9492071.147|306548.579|952.857|CO|
255|9492073.887|306559.133|952.771|CO|
256|9492081.197|306578.155|952.897|CO|
257|9492084.942|306585.417|952.622|CO|
258|9492068.429|306592.043|954.552|CO|
259|9492060.893|306583.255|954.848|CO|
260|9492056.265|306573.352|954.879|CO|
261|9492055.200|306570.854|954.747|CO|
SM48|9492041.464|306588.576|957.409|POL|
SM49|9492023.986|306598.477|959.838|POL|
SM50|9492006.703|306608.239|962.200|POL|
SM49|9492023.986|306598.477|959.838|
SM46|9492076.289|306568.687|952.631|
280|9492040.534|306583.157|957.091|CO|
281|9492035.012|306575.628|957.291|CO|
282|9492044.074|306594.441|957.132|CO|
283|9492049.332|306600.541|957.240|CO|
284|9492032.922|306613.526|960.219|CO|
285|9492028.071|306605.343|960.044|CO|
286|9492019.454|306591.142|959.595|CO|
287|9492016.178|306584.016|959.310|CO|
288|9492000.175|306594.291|961.367|CO|
289|9492001.850|306601.546|961.939|CO|
290|9492009.325|306614.238|962.403|CO|
291|9492011.379|306619.057|962.690|CO|
SM51|9491989.022|306617.606|962.771|POL|
SM52|9491971.134|306627.446|964.184|POL|
SM52A|9491971.338|306627.317|963.610|POL|
SM52A|9491971.338|306627.317|963.610|
SM46|9492076.289|306568.687|952.631|
300|9491997.068|306632.679|963.646|CO|
301|9491993.023|306623.207|963.471|CO|
302|9491985.275|306611.593|962.148|CO|

303|9491979.847|306604.917|961.827|CO|
304|9491962.338|306610.834|963.685|CO|
305|9491966.609|306618.685|963.543|CO|
306|9491975.852|306634.960|963.312|CO|
307|9491980.020|306641.347|964.140|CO|
SM53|9491953.296|306637.024|966.823|POL|
SM54|9491936.064|306646.416|969.149|POL|
SM55|9491918.274|306656.006|972.822|POL|
SM54|9491936.064|306646.416|969.149|
SM52|9491971.134|306627.446|964.184|
300|9491949.838|306632.149|966.130|CO|
301|9491945.175|306625.185|965.781|CO|
302|9491956.303|306642.385|966.616|CO|
303|9491959.012|306647.628|966.284|CO|
304|9491945.486|306662.490|968.962|CO|
305|9491940.802|306654.947|969.123|CO|
306|9491932.027|306638.731|967.878|CO|
307|9491929.386|306632.952|967.923|CO|
308|9491911.312|306640.240|970.170|CO|
309|9491915.762|306650.634|971.904|CO|
310|9491920.107|306661.508|973.794|CO|
311|9491923.180|306665.805|973.814|CO|
SM56|9491901.076|306665.662|974.306|POL|
SM56|9491901.076|306665.662|974.306|
SM52|9491971.134|306627.446|964.184|
320|9491904.272|306671.397|976.252|CO|
321|9491907.357|306678.625|977.763|CO|
322|9491897.288|306658.103|972.428|CO|
323|9491895.008|306653.126|971.557|CO|
SM57|9491883.426|306675.139|974.463|POL|
SM57|9491883.426|306675.139|974.463|
SM56|9491901.076|306665.662|974.306|
350|9491888.622|306680.352|976.534|CO|
351|9491892.950|306685.331|977.940|CO|
352|9491880.665|306669.347|972.360|CO|
353|9491878.414|306665.078|971.489|CO|
SM58|9491865.489|306684.587|978.090|POL|
SM58|9491865.489|306684.587|978.090|
SM57|9491883.426|306675.139|974.463|
370|9491869.405|306693.385|980.104|CO|
371|9491871.452|306697.919|981.587|CO|
372|9491863.256|306677.630|976.506|CO|
373|9491861.343|306671.914|975.214|CO|
SJ11|9492816.895|306458.991|970.859|POL|
SJ12|9492799.388|306468.562|970.483|POL|
SJ11|9492816.895|306458.991|970.859|
SJ12|9492799.388|306468.562|970.483|
01|9492812.154|306448.134|971.234|CO|
02|9492813.266|306445.470|971.416|CE|
03|9492807.944|306435.470|971.464|CO|
04|9492822.112|306468.949|970.692|CO|
05|9492826.356|306477.464|970.309|CO|
06|9492834.545|306449.464|971.216|CO|
SJ11|9492816.895|306458.991|970.859|
SJ12|9492799.388|306468.562|970.483|
SJ11|9492816.895|306458.991|970.859|
SJ12|9492799.388|306468.562|970.483|
SJ10|9492834.492|306449.342|971.248|POL|
SJ10|9492834.492|306449.342|971.248|
SJ11|9492816.895|306458.991|970.859|

10|9492830.078|306441.100|971.283|POL|
11|9492825.775|306432.932|971.992|POL|
12|9492839.470|306455.787|970.238|POL|
13|9492845.228|306462.753|968.881|POL|
SJ09|9492852.348|306439.778|970.894|POL|
SJ10|9492834.492|306449.342|971.248|
SJ11|9492816.895|306458.991|970.859|
08|9492869.753|306430.165|969.125|POL|
SJ10|9492834.492|306449.342|971.248|
SJ11|9492816.895|306458.991|970.859|
SJ08|9492869.737|306430.164|969.167|POL|
SJ08|9492869.737|306430.164|969.167|
SJ10|9492834.492|306449.342|971.248|
20|9492848.045|306432.762|971.470|CO|
21|9492845.934|306428.490|971.828|CO|
22|9492855.990|306444.988|970.128|CO|
23|9492859.021|306450.213|968.748|CO|
25|9492872.795|306435.434|967.857|CO|
26|9492876.973|306442.178|968.344|CO|
27|9492867.008|306422.658|971.030|CO|
28|9492863.506|306415.800|972.207|CO|
SJ07|9492887.819|306420.498|972.731|POL|
SJ06|9492905.121|306411.233|974.571|POL|
SJ06|9492905.121|306411.233|974.571|
SJ07|9492887.819|306420.498|972.731|
40|9492884.752|306412.153|971.235|CO|
41|9492880.488|306405.523|972.095|CO|
42|9492892.109|306426.904|972.708|CO|
43|9492894.604|306429.920|972.612|CO|
44|9492908.674|306418.076|974.466|CO|
45|9492911.492|306423.566|974.191|CO|
46|9492901.838|306404.088|974.970|CO|
47|9492898.666|306398.428|975.260|CO|
SJ05|9492922.279|306401.988|974.886|POL|
SJ04|9492939.174|306392.924|979.586|POL|
SJ04|9492939.174|306392.924|979.586|
SJ06|9492905.121|306411.233|974.571|
60|9492918.209|306395.884|976.200|CO|
61|9492913.803|306393.061|977.291|CO|
62|9492925.382|306406.193|976.509|CO|
63|9492930.151|306410.043|976.227|CO|
64|9492945.212|306404.032|978.048|CO|
65|9492948.851|306409.624|977.734|CO|
66|9492935.843|306386.512|979.740|CO|
67|9492931.156|306377.071|979.724|CO|
SJ03|9492956.773|306383.263|980.910|POL|
SJ02|9492975.012|306373.044|982.895|POL|
SJ02|9492975.012|306373.044|982.895|
SJ04|9492939.174|306392.924|979.586|
80|9492962.442|306387.143|980.605|CO|
81|9492967.147|306392.370|980.270|CO|
82|9492950.298|306375.672|981.362|CO|
83|9492946.466|306372.108|981.141|CO|
84|9492967.304|306358.382|984.206|CO|
85|9492970.310|306364.216|983.680|CO|
86|9492979.597|306380.986|982.261|CO|
87|9492984.164|306388.665|980.550|CO|
SJ01|9492992.503|306363.361|984.667|POL|
SJ00|9493010.033|306353.762|988.490|POL|
SJ00|9493010.033|306353.762|988.490|

SJ02|9492975.012|306373.044|982.895|
90|9492987.888|306355.551|985.671|CO|
91|9492985.344|306352.035|985.955|CO|
92|9492995.830|306369.831|984.350|CO|
93|9492999.988|306372.895|984.235|CO|
94|9493015.739|306363.743|986.848|CO|
95|9493020.194|306373.078|984.803|CO|
96|9493005.798|306346.181|988.977|CO|
97|9493001.234|306337.970|989.663|CO|

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SJ12|9492799.388|306468.562|970.483|POL|
E12|9492736.729|306354.701|970.078|POL|
SJ12|9492799.388|306468.562|970.483|
E12|9492736.729|306354.701|970.078|
01|9492802.212|306472.887|970.212|CE|
02|9492808.973|306486.448|969.793|CO|
SJ13|9492781.829|306478.127|969.332|POL|
SJ14|9492764.123|306487.771|968.397|POL|
03|9492796.311|306463.205|970.400|POL|
04|9492793.257|306457.200|970.440|CO|
05|9492804.294|306477.091|970.115|CO|
SJ11|9492816.895|306458.998|970.859|POL|
SJ13|9492781.829|306478.127|969.332|
SJ12|9492799.388|306468.562|970.483|
10|9492786.954|306484.357|969.298|CO|
11|9492794.740|306493.821|969.112|CO|
12|9492794.976|306494.153|969.108|CE|
13|9492777.392|306469.983|969.505|CO|
SJ14|9492764.123|306487.771|968.397|
SJ13|9492781.829|306478.127|969.332|
15|9492768.494|306495.594|968.335|CO|
16|9492773.705|306505.510|968.342|CO|
17|9492759.095|306479.033|968.574|CO|
SJ15|9492746.496|306497.219|967.722|POL|
SJ16|9492728.983|306507.015|967.072|POL|
SJ15|9492746.496|306497.219|967.722|
SJ14|9492764.123|306487.771|968.397|
25|9492752.825|306508.613|967.499|CO|
26|9492756.293|306515.081|967.435|CO|
27|9492741.738|306488.150|967.958|CO|
SJ16|9492728.983|306507.015|967.072|
SJ15|9492746.496|306497.219|967.722|
30|9492734.112|306516.432|966.775|CO|
31|9492738.276|306523.952|966.666|CO|
32|9492724.547|306498.731|967.160|CO|
SJ17|9492711.439|306516.623|966.309|POL|
SJ18|9492693.871|306526.249|965.617|POL|
SJ17|9492711.439|306516.623|966.309|
SJ16|9492728.983|306507.015|967.072|
30|9492716.281|306525.583|966.139|CO|
31|9492720.661|306534.330|965.873|CO|
32|9492707.399|306508.702|966.496|CO|
SJ18|9492693.871|306526.249|965.617|
SJ17|9492711.439|306516.623|966.309|
40|9492698.580|306534.941|965.287|CO|
41|9492703.138|306543.353|965.004|CO|
42|9492689.115|306517.341|965.848|CO|
SJ19|9492676.209|306535.919|964.550|POL|
46|9492684.722|306509.945|965.885|CO|
47|9492704.183|306502.277|966.627|CO|
48|9492680.699|306533.671|964.799|CE|
49|9492674.811|306536.736|964.345|CE|
50|9492673.933|306537.443|964.053|BE|
51|9492665.763|306542.043|963.871|BE|
SJ20|9492658.665|306545.555|963.717|POL|
SJ19|9492676.209|306535.919|964.550|
SJ18|9492693.871|306526.249|965.617|

50|9492671.870|306528.684|964.676|CO|
51|9492667.848|306521.154|964.758|CO|
52|9492680.023|306542.833|964.304|CO|
53|9492685.905|306553.814|963.902|CO|
SJ20|9492658.665|306545.555|963.717|
SJ19|9492676.209|306535.919|964.550|
60|9492662.237|306552.457|963.442|CO|
61|9492668.366|306563.428|962.872|CO|
62|9492656.373|306541.359|963.781|CE|
63|9492655.048|306539.099|963.843|CO|
64|9492651.629|306532.838|964.124|CO|
SJ21|9492641.091|306555.170|963.010|POL|
SJ22|9492623.495|306564.826|962.367|POL|
SJ21|9492641.091|306555.170|963.010|
SJ20|9492658.665|306545.555|963.717|
70|9492658.049|306545.944|963.617|CE|
71|9492645.268|306563.396|962.486|CO|
72|9492650.645|306573.262|962.057|CO|
73|9492637.315|306548.442|963.121|CO|
74|9492633.372|306541.236|963.365|CO|
SJ22|9492623.495|306564.826|962.367|
SJ21|9492641.091|306555.170|963.010|
80|9492628.079|306573.225|961.665|CO|
81|9492632.827|306582.242|961.133|CO|
82|9492620.294|306558.264|962.760|CO|
83|9492614.928|306549.042|963.003|CO|
SJ23|9492605.945|306574.451|962.301|POL|
SJ23|9492605.945|306574.451|962.301|
SJ22|9492623.495|306564.826|962.367|
75|9492609.323|306582.789|961.664|CO|
76|9492613.253|306592.411|961.061|CO|
77|9492602.472|306567.807|962.574|CO|
78|9492596.913|306557.239|962.973|CO|
SJ24|9492588.295|306584.142|964.435|POL|
SJ24|9492588.295|306584.142|964.435|
SJ23|9492605.945|306574.451|962.301|
90|9492592.753|306592.435|963.900|CO|
91|9492597.691|306601.571|963.322|CO|
92|9492584.471|306577.819|964.812|CO|
93|9492579.926|306569.896|965.422|CO|
SJ25|9492570.789|306593.740|963.711|POL|
SJ25|9492570.789|306593.740|963.711|
SJ24|9492588.295|306584.142|964.435|
95|9492574.636|306601.111|963.237|CO|
96|9492579.932|306612.432|962.914|CO|
97|9492566.607|306586.173|963.805|CO|
98|9492562.897|306579.147|964.306|CO|
SJ26|9492553.228|306603.366|960.760|POL|
SJ26|9492553.228|306603.366|960.760|
SJ25|9492570.789|306593.740|963.711|
100|9492556.431|306608.825|960.590|CO|
101|9492560.959|306619.193|960.107|CO|
102|9492549.126|306596.269|960.793|CO|
103|9492545.020|306588.985|960.657|CO|
SJ27|9492535.557|306613.041|956.509|POL|
SJ27|9492535.557|306613.041|956.509|
SJ26|9492553.228|306603.366|960.760|
105|9492539.414|306619.974|956.182|CO|
106|9492544.963|306630.276|955.656|CO|
107|9492531.652|306605.581|956.540|CO|

108|9492527.354|306597.342|956.688|CO|
SJ28|9492518.082|306622.628|954.079|POL|
SJ28|9492518.082|306622.628|954.079|
SJ27|9492535.557|306613.041|956.509|
115|9492521.724|306630.464|953.430|CO|
116|9492527.398|306639.057|952.676|CO|
117|9492514.589|306615.570|954.032|CO|
118|9492510.207|306608.062|953.684|CO|
SJ29|9492500.445|306632.233|952.962|POL|
SJ29|9492500.445|306632.233|952.962|
SJ28|9492518.082|306622.628|954.079|
120|9492505.016|306640.532|952.447|CO|
121|9492510.211|306649.750|951.881|CO|
122|9492496.754|306625.445|953.371|CO|
123|9492492.860|306617.967|953.857|CO|
SJ30|9492482.757|306641.867|952.818|POL|
SJ31|9492465.143|306651.419|951.197|POL|
SJ30|9492482.757|306641.867|952.818|
SJ29|9492500.445|306632.233|952.962|
125|9492487.293|306650.724|952.529|CO|
126|9492491.551|306658.513|952.344|CO|
127|9492479.299|306635.471|952.856|CO|
128|9492476.267|306629.953|953.004|CO|
SJ31|9492465.143|306651.419|951.197|
SJ30|9492482.757|306641.867|952.818|
130|9492468.902|306658.224|951.212|CO|
131|9492474.286|306668.176|951.139|CO|
132|9492472.209|306664.452|951.017|CE|
133|9492471.535|306648.387|951.782|CE|
134|9492463.935|306643.111|951.456|CE|
135|9492462.787|306633.848|951.860|CE|
SJ32|9492447.754|306660.765|950.226|POL|
SJ33|9492429.927|306670.370|950.025|POL|
SJ34|9492412.547|306679.753|950.137|POL|
SJ33|9492429.927|306670.370|950.025|
SJ31|9492465.143|306651.419|951.197|
140|9492450.952|306665.092|950.116|CO|
141|9492456.091|306670.152|950.135|CO|
142|9492441.736|306655.442|950.177|CO|
143|9492437.655|306651.353|950.339|CO|
144|9492434.450|306678.897|949.921|CO|
145|9492438.328|306690.578|949.937|CO|
146|9492424.906|306660.203|950.109|CO|
147|9492420.601|306651.097|950.197|CO|
148|9492415.793|306685.669|950.031|CO|
149|9492419.353|306692.246|950.031|CO|
150|9492410.948|306675.370|950.085|CO|
151|9492409.286|306668.461|950.216|CO|
SJ35|9492394.282|306689.735|951.432|POL|
SJ36|9492377.047|306699.082|952.251|POL|
SJ37|9492359.884|306707.811|950.238|POL|
SJ36|9492377.047|306699.082|952.251|
SJ32|9492447.754|306660.765|950.226|
170|9492397.199|306694.431|951.393|CO|
171|9492400.594|306698.575|951.564|CO|
172|9492390.421|306684.688|951.348|CO|
173|9492388.266|306680.675|951.138|CO|
174|9492380.644|306706.298|952.204|CO|
175|9492384.903|306714.421|952.221|CO|
176|9492377.316|306691.959|952.198|CO|

177|9492377.391|306691.479|952.199|CE|
178|9492374.075|306683.650|952.015|CO|
179|9492359.625|306689.760|950.362|CO|
180|9492360.996|306698.876|950.294|CO|
181|9492361.367|306713.764|950.030|CO|
182|9492361.211|306721.163|949.942|CO|
SJ38|9492341.575|306718.783|948.728|POL|
SJ39|9492323.511|306728.014|949.103|POL|
SJ40|9492306.570|306737.375|950.441|POL|
SJ39|9492323.511|306728.014|949.103|
SJ36|9492377.047|306699.082|952.251|
190|9492346.410|306709.776|948.555|CO|
191|9492347.576|306700.481|947.201|CO|
192|9492344.112|306726.618|948.043|CO|
193|9492343.605|306734.313|946.984|CO|
194|9492318.351|306717.975|948.661|CO|
195|9492313.045|306707.387|948.806|CO|
196|9492327.478|306735.757|949.008|CO|
197|9492330.946|306743.267|948.875|CO|
198|9492308.032|306743.403|949.513|CO|
199|9492310.773|306751.968|949.418|CO|
200|9492302.188|306730.489|949.531|CO|
201|9492299.140|306723.017|949.552|CO|
202|9492288.332|306747.308|950.282|CO|
SJ41|9492288.379|306747.282|950.265|POL|
AUX1|9492275.315|306754.402|950.335|POL|
AUX1|9492275.315|306754.402|950.335|
SJ36|9492377.047|306699.082|952.251|
150|9492295.164|306751.014|950.006|CO|
151|9492300.145|306756.507|949.853|CO|
152|9492288.201|306737.966|950.088|CO|
153|9492285.148|306731.562|950.036|CO|
SJ43|9492269.532|306757.476|946.823|POL|
SJ44|9492252.443|306767.000|947.471|POL|
AUX1|9492275.315|306754.402|950.335|
SJ36|9492377.047|306699.082|952.251|

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E48|9492105.913|306701.823|956.47|P|
E47|9492123.380|306692.208|954.916|P|
E39|9492263.607|306615.026|951.647|P|
E38|9492281.132|306605.391|951.509|P|
E21|9492579.056|306441.457|964.369|P|
E20|9492596.569|306431.821|964.434|P|
E14|9492701.710|306373.969|968.490|P|
E13|9492719.232|306364.328|969.205|P|
E20|9492596.569|306431.821|964.434|
E21|9492579.056|306441.457|964.369|
01|9492590.719|306421.314|964.344|CO|
02|9492584.797|306410.154|963.800|BE|
03|9492575.482|306392.763|963.263|BE|
04|9492600.398|306438.640|964.497|CO|
05|9492603.989|306447.122|964.560|CO|
06|9492605.466|306452.910|964.825|CE|
07|9492609.466|306461.125|964.808|CO|
08|9492612.771|306468.725|964.836|CO|
09|9492615.195|306475.101|964.842|CO|
10|9492620.815|306488.012|964.729|AT|
E14|9492701.710|306373.969|968.490|
E13|9492719.232|306364.328|969.205|
E15|9492684.141|306383.591|967.909|P|
E16|9492666.623|306393.246|966.983|P|
E17|9492649.123|306402.914|966.318|P|
01|9492706.700|306383.079|968.552|CO|
02|9492710.958|306390.939|968.514|CO|
03|9492697.917|306366.853|968.516|CO|
04|9492716.006|306400.038|968.616|CO|
05|9492693.469|306359.004|968.402|CO|
06|9492720.667|306408.886|968.739|CO|
07|9492689.300|306351.114|968.220|CO|
08|9492725.309|306417.261|968.788|CO|
09|9492685.241|306343.488|968.145|CO|
10|9492729.998|306425.735|968.861|CO|
11|9492681.079|306335.206|967.963|CO|
12|9492734.628|306434.473|968.910|CO|
13|9492676.931|306327.307|967.888|CO|
14|9492739.576|306442.964|968.912|CO|
15|9492672.266|306319.885|967.703|CO|
16|9492744.113|306450.638|968.894|CO|
17|9492667.553|306311.791|967.384|CO|
18|9492751.077|306462.678|968.887|CO|
19|9492662.726|306304.189|967.232|CO|
20|9492658.439|306295.903|966.986|CO|
21|9492652.257|306285.576|966.989|CO|
E13|9492719.232|306364.328|969.205|
E14|9492701.710|306373.969|968.490|
01|9492666.073|306270.204|967.560|CO|
02|9492724.467|306373.768|969.228|CO|
03|9492670.436|306277.999|967.670|CO|
04|9492729.535|306383.041|969.231|CO|
05|9492675.101|306286.098|967.858|CO|
06|9492736.142|306392.405|969.422|CO|
07|9492679.723|306294.023|967.887|CO|
08|9492739.002|306401.873|969.406|CO|
09|9492684.690|306301.298|968.050|CO|
10|9492742.679|306410.482|969.493|CO|

11|9492689.180|306309.435|968.238|CO|
12|9492749.073|306418.970|969.529|CO|
13|9492694.103|306316.960|968.534|CO|
14|9492753.317|306427.886|969.578|CO|
15|9492698.235|306325.014|968.735|CO|
16|9492759.430|306435.454|969.733|CO|
17|9492702.264|306332.625|968.795|CO|
18|9492764.465|306444.058|969.691|CO|
19|9492706.886|306340.636|969.048|CO|
20|9492769.378|306452.708|969.653|CO|
21|9492711.187|306348.654|969.252|CO|
22|9492714.160|306353.943|969.126|CO|
E12|9492736.765|306354.661|970.085|P|
E11|9492754.251|306345.041|971.276|P|
E10|9492771.780|306335.387|972.691|P|
E12|9492736.765|306354.661|970.085|
E11|9492754.251|306345.041|971.276|
01|9492780.722|306434.464|970.404|CO|
02|9492785.757|306443.607|970.479|CO|
03|9492731.441|306344.750|969.888|CO|
04|9492773.600|306422.365|970.541|CO|
05|9492726.827|306336.969|969.746|CO|
06|9492769.247|306414.079|970.420|CO|
07|9492722.589|306329.082|969.645|CO|
08|9492765.089|306406.089|970.489|CO|
09|9492718.223|306321.739|969.473|CO|
10|9492760.900|306398.166|970.431|CO|
11|9492714.129|306314.160|969.384|CO|
12|9492756.721|306390.289|970.420|CO|
13|9492710.060|306306.455|969.046|CO|
14|9492752.339|306382.324|970.339|CO|
15|9492705.463|306299.220|968.873|CO|
16|9492748.036|306374.397|970.084|CO|
17|9492700.896|306291.717|968.751|CO|
18|9492743.129|306365.959|969.884|CO|
19|9492696.517|306283.810|968.715|CO|
20|9492692.230|306276.352|968.600|CO|
21|9492687.463|306267.586|968.280|CO|
E11|9492754.251|306345.041|971.276|
E12|9492736.765|306354.661|970.085|
01|9492709.551|306245.942|969.025|CO|
02|9492759.216|306354.165|971.973|CO|
03|9492712.793|306253.399|969.168|CO|
04|9492763.627|306361.886|971.744|CO|
05|9492716.017|306260.563|969.340|CO|
06|9492768.295|306369.855|972.298|CO|
07|9492719.839|306268.445|969.747|CO|
08|9492773.870|306376.672|972.519|CO|
09|9492723.259|306275.851|969.554|CO|
10|9492776.396|306385.766|972.346|CO|
11|9492726.632|306283.887|969.882|CO|
12|9492781.707|306393.922|971.938|CO|
13|9492730.466|306292.068|970.479|CO|
14|9492786.528|306402.830|971.952|CO|
15|9492733.761|306300.274|970.545|CO|
16|9492790.328|306412.078|971.874|CO|
17|9492736.940|306308.433|970.619|CO|
18|9492795.711|306420.236|971.786|CO|
19|9492740.769|306316.116|970.683|CO|
20|9492800.014|306428.774|971.485|CO|

21|9492744.350|306323.457|970.904|CO|
22|9492802.394|306433.019|971.415|CO|
23|9492748.105|306331.291|970.850|CO|
E10|9492771.780|306335.387|972.691|
E11|9492754.251|306345.041|971.276|
E9|9492789.291|306325.700|974.053|P|
E8|9492806.801|306316.056|976.579|P|
E7|9492824.327|306306.383|977.416|P|
01|9492822.690|306423.585|972.413|CO|
02|9492817.959|306415.261|972.717|CO|
03|9492812.869|306406.822|973.129|CO|
04|9492767.872|306325.309|972.006|CO|
05|9492807.909|306397.596|973.571|CO|
06|9492765.043|306315.846|972.139|CO|
07|9492803.139|306388.864|973.234|CO|
08|9492760.535|306307.501|972.281|CO|
09|9492797.031|306380.938|973.675|CO|
10|9492757.132|306299.464|972.267|CO|
11|9492792.271|306372.309|973.623|CO|
12|9492753.575|306291.073|971.999|CO|
13|9492787.356|306363.890|973.740|CO|
14|9492753.580|306291.007|971.997|CO|
15|9492782.588|306355.367|973.434|CO|
16|9492750.327|306283.177|971.526|CO|
17|9492778.280|306348.087|972.485|CO|
18|9492746.776|306274.517|970.373|CO|
19|9492776.305|306343.885|972.211|CO|
20|9492742.746|306264.969|969.901|CO|
21|9492739.492|306257.414|970.092|CO|
22|9492736.026|306249.890|969.946|CO|
23|9492732.964|306242.168|969.865|CO|
E9|9492789.291|306325.700|974.053|
E10|9492771.780|306335.387|972.691|
01|9492794.988|306333.183|974.219|CO|
02|9492800.548|306340.311|974.420|CO|
03|9492805.961|306347.455|975.013|CO|
04|9492811.516|306354.575|976.271|CO|
05|9492816.979|306361.559|976.292|CO|
06|9492821.134|306367.322|976.050|CO|
07|9492826.488|306373.999|975.608|CO|
08|9492831.657|306381.108|975.086|CO|
09|9492836.593|306387.801|974.638|CO|
10|9492751.158|306232.991|972.114|CO|
11|9492753.937|306239.326|971.357|CO|
12|9492757.084|306247.285|970.945|CO|
13|9492760.506|306255.402|971.080|CO|
14|9492763.846|306263.625|971.213|CO|
15|9492766.941|306271.252|971.852|CO|
16|9492770.223|306279.031|972.766|CO|
17|9492773.493|306287.407|973.270|CO|
18|9492776.947|306295.535|973.660|CO|
19|9492779.662|306303.378|973.955|CO|
20|9492783.188|306311.489|974.083|CO|
21|9492785.906|306317.094|973.802|CO|
22|9492843.853|306396.767|974.031|CO|
23|9492849.173|306403.381|973.450|CO|
E8|9492806.801|306316.056|976.579|
E7|9492824.327|306306.383|977.416|
E6|9492841.812|306296.733|977.288|P|
E5|9492859.258|306287.104|977.149|P|

E4|9492876.825|306277.407|981.240|P|
01|9492801.678|306308.847|975.570|CO|
02|9492800.971|306305.132|975.601|CO|
03|9492859.655|306394.429|973.841|CO|
04|9492848.948|306377.858|975.033|CO|
05|9492851.616|306382.168|974.797|CO|
06|9492847.773|306376.366|975.135|CO|
07|9492795.472|306294.760|974.361|CO|
08|9492844.943|306372.182|975.454|CO|
09|9492841.791|306367.394|975.833|CO|
10|9492837.430|306361.571|976.654|CO|
11|9492791.602|306287.611|973.833|CO|
12|9492787.400|306280.071|973.419|CO|
13|9492833.209|306355.174|977.557|CO|
14|9492783.568|306272.064|972.100|CO|
15|9492829.864|306350.340|977.742|CO|
16|9492778.834|306263.529|971.963|CO|
17|9492824.792|306342.733|977.744|CO|
18|9492774.590|306255.547|971.763|CO|
19|9492819.838|306335.029|976.906|CO|
20|9492770.690|306247.594|971.601|CO|
21|9492813.047|306325.460|977.023|CO|
22|9492766.463|306240.485|971.742|CO|
23|9492762.916|306233.407|972.669|CO|
24|9492758.394|306225.268|972.319|CO|
E7|9492824.327|306306.383|977.416|
E8|9492806.801|306316.056|976.579|
01|9492765.181|306222.476|973.401|CO|
02|9492830.063|306314.631|978.139|CO|
03|9492770.134|306229.611|973.092|CO|
04|9492776.050|306238.077|972.445|CO|
05|9492835.184|306322.440|978.524|CO|
06|9492840.381|306329.678|978.646|CO|
07|9492781.491|306245.498|972.276|CO|
08|9492845.460|306337.075|978.763|CO|
09|9492786.405|306253.092|972.424|CO|
10|9492850.250|306344.579|978.843|CO|
11|9492791.591|306260.269|972.548|CO|
12|9492855.418|306351.751|978.296|CO|
13|9492796.895|306267.829|972.787|CO|
14|9492801.998|306275.134|972.919|CO|
15|9492807.080|306282.410|974.011|CO|
16|9492855.454|306352.113|978.263|CE|
17|9492811.826|306289.131|975.060|CO|
18|9492816.764|306296.039|975.772|CO|
E6|9492841.812|306296.733|977.288|
E7|9492824.327|306306.383|977.416|
01|9492838.428|306290.530|976.189|CO|
02|9492834.810|306283.897|974.510|CO|
03|9492830.409|306275.732|974.890|CO|
04|9492825.744|306266.668|975.035|CO|
05|9492821.141|306258.716|975.212|CO|
06|9492817.024|306251.287|974.984|CO|
07|9492812.186|306242.927|974.982|CO|
08|9492807.883|306234.924|974.917|CO|
09|9492803.709|306227.945|974.408|CO|
10|9492846.864|306305.971|978.139|CO|
11|9492799.739|306220.767|975.202|CO|
12|9492849.646|306310.913|978.894|CO|
13|9492795.208|306212.518|975.218|CO|

14|9492793.106|306208.718|975.455|CO|
15|9492854.056|306319.108|979.800|CO|
6E|9492858.154|306326.460|979.605|A|
6E|9492858.154|306326.460|979.605|
E6|9492841.812|306296.733|977.288|
01|9492863.149|306335.482|978.648|CE|
02|9492867.292|306343.075|978.360|CO|
03|9492871.697|306351.208|977.420|CO|
04|9492875.676|306358.935|976.266|CO|
05|9492879.893|306366.637|974.876|CO|
06|9492883.982|306374.238|974.455|CO|
07|9492888.944|306382.474|974.300|CO|
08|9492891.315|306387.359|974.407|CO|
E5|9492859.258|306287.104|977.149|
E6|9492841.812|306296.733|977.288|
E4|9492876.795|306277.453|981.339|P|
E3|9492894.296|306267.823|985.629|P|
01|9492855.547|306279.526|977.400|CO|
02|9492851.314|306271.887|977.508|CO|
03|9492846.856|306263.716|977.816|CO|
04|9492842.558|306255.796|978.206|CO|
05|9492838.318|306247.902|978.436|CO|
06|9492834.430|306240.589|978.472|CO|
07|9492830.086|306232.732|978.151|CO|
08|9492826.423|306225.735|978.152|CO|
09|9492823.008|306219.032|978.638|CO|
10|9492819.368|306212.346|978.910|CO|
11|9492815.995|306205.550|977.627|CO|
12|9492812.255|306198.426|977.663|CO|
13|9492862.521|306293.075|976.921|CO|
14|9492867.067|306301.224|978.816|CO|
5E|9492872.300|306310.128|979.546|A|
5E|9492872.300|306310.128|979.546|
E5|9492859.258|306287.104|977.149|
01|9492908.028|306374.760|976.851|CO|
02|9492903.587|306367.052|976.121|CO|
03|9492899.267|306357.968|976.241|CO|
04|9492895.263|306351.117|975.741|CO|
05|9492890.041|306342.660|975.941|CO|
06|9492885.291|306334.032|977.122|CO|
07|9492880.684|306325.260|978.166|CO|
08|9492876.121|306316.614|979.288|CO|
09|9492874.120|306313.208|979.533|CE|
E4|9492876.825|306277.407|981.240|
E5|9492859.258|306287.104|977.149|
01|9492884.782|306292.279|980.091|CE|
02|9492882.647|306288.633|979.681|CO|
03|9492888.524|306300.106|979.695|CO|
04|9492892.513|306307.632|979.083|CO|
05|9492869.949|306265.181|981.191|CO|
06|9492896.229|306314.725|978.728|CO|
07|9492900.019|306322.073|978.054|CO|
08|9492904.115|306329.795|977.090|CO|
09|9492865.786|306258.367|980.604|CO|
10|9492861.084|306250.833|981.471|CO|
11|9492908.554|306338.314|976.204|CO|
12|9492912.330|306346.757|977.179|CO|
13|9492856.403|306242.872|981.813|CO|
14|9492915.319|306354.123|977.212|CO|
15|9492851.885|306234.668|982.882|CO|

16|9492918.949|306361.720|977.579|CO|
17|9492847.305|306227.011|982.198|CO|
18|9492921.167|306366.139|977.552|CO|
19|9492842.584|306218.993|981.179|CO|
20|9492838.179|306211.480|981.647|CO|
E2|9492911.962|306258.281|989.425|P|
E4|9492876.825|306277.407|981.240|
E5|9492859.258|306287.104|977.149|
15|9492834.222|306204.900|980.604|CO|
E0|9492947.000|306239.000|1000.000|P|
E4|9492876.825|306277.407|981.240|
E5|9492859.258|306287.104|977.149|
016|9492830.125|306198.232|979.278|CO|
E3|9492894.296|306267.823|985.629|
E4|9492876.825|306277.407|981.240|
01|9492890.337|306260.580|987.233|CO|
02|9492886.847|306254.195|987.245|CO|
03|9492883.378|306247.663|987.427|CO|
04|9492898.774|306275.394|984.994|CO|
05|9492879.701|306242.335|987.282|CO|
06|9492875.556|306235.051|987.558|CO|
07|9492903.012|306282.975|983.083|CO|
08|9492871.766|306228.368|987.438|CO|
09|9492907.269|306290.706|982.138|CO|
3D|9492868.175|306222.152|988.096|A|
09|9492911.284|306297.974|981.509|CO|
10|9492915.353|306305.708|980.100|CO|
11|9492919.736|306313.450|977.954|CO|
12|9492923.831|306321.159|977.681|CO|
13|9492926.737|306326.406|977.411|CO|
14|9492931.149|306334.136|978.424|CO|
15|9492934.890|306342.225|979.105|CO|
16|9492941.480|306354.631|980.064|CO|
17|9492942.992|306356.972|980.433|CO|
3D|9492868.175|306222.152|988.096|
E3|9492894.296|306267.823|985.629|
01|9492862.965|306213.444|986.836|CO|
02|9492858.535|306205.616|985.315|CO|
03|9492854.255|306197.870|983.900|CO|
04|9492850.513|306191.330|982.628|CO|
05|9492846.821|306184.821|980.946|CO|
06|9492843.335|306178.519|980.050|CO|
E2|9492911.962|306258.281|989.425|
E0|9492947.000|306239.000|1000.000|
M1|9492948.127|306238.420|1000.035|MARCO|
E1|9492929.474|306248.640|994.285|P|
01|9492915.933|306265.924|987.638|CO|
02|9492919.504|306272.386|987.085|CO|
03|9492907.583|306249.770|991.773|CO|
04|9492904.362|306244.769|992.499|CE|
05|9492923.600|306280.751|985.767|CO|
06|9492900.373|306237.697|991.977|CO|
07|9492927.220|306287.642|984.070|CO|
08|9492931.533|306294.903|980.901|CO|
09|9492936.747|306305.620|981.160|CO|
10|9492938.942|306309.937|981.092|CO|
11|9492942.904|306317.583|980.633|CO|
12|9492947.318|306325.892|979.156|CO|
13|9492951.613|306334.464|979.806|CO|
14|9492956.881|306344.827|980.710|CO|

15|9492958.257|306347.771|981.292|CO|
2D|9492895.611|306229.917|991.308|A|
3DA|9492895.652|306229.797|991.335|A|
E1|9492929.474|306248.640|994.285|
E2|9492911.962|306258.281|989.425|
01|9492926.140|306242.528|995.482|CO|
02|9492932.801|306255.240|992.390|CO|
03|9492936.923|306262.056|991.280|CO|
04|9492922.756|306235.855|995.133|CO|
05|9492942.942|306273.352|988.746|CO|
06|9492919.382|306229.885|994.582|CO|
07|9492947.859|306282.409|986.684|CO|
08|9492952.259|306290.486|985.392|CO|
09|9492956.842|306299.260|984.541|CO|
1D|9492914.932|306222.469|993.420|A|
10|9492960.581|306306.858|983.981|CO|
11|9492965.133|306315.310|982.402|CO|
12|9492970.289|306323.337|982.569|CO|
13|9492971.484|306326.489|983.350|CO|
14|9492977.315|306338.423|984.973|CO|
E0|9492947.000|306239.000|1000.000|
E1|9492929.474|306248.640|994.285|
01|9492942.576|306230.987|998.346|CO|
02|9492950.209|306245.133|998.464|CO|
03|9492937.791|306223.797|996.334|CO|
04|9492954.158|306253.646|997.444|CO|
05|9492933.355|306216.319|994.125|CO|
06|9492960.184|306264.509|995.836|CO|
07|9492928.771|306208.178|991.931|CO|
08|9492964.032|306271.739|994.290|CO|
09|9492924.868|306202.751|989.943|CE|
10|9492967.323|306277.959|992.167|CO|
11|9492920.549|306195.155|987.555|CO|
12|9492970.735|306283.838|990.203|CO|
13|9492916.626|306188.178|986.025|CO|
14|9492974.261|306290.342|989.172|CO|
15|9492912.456|306180.961|982.363|CO|
16|9492977.179|306295.938|987.412|CO|
17|9492909.393|306176.158|979.612|CO|
18|9492906.171|306170.417|977.083|CO|
19|9492980.772|306303.438|985.812|CO|
20|9492984.058|306309.988|984.667|CO|
21|9492988.746|306320.000|986.459|CO|
22|9492991.570|306326.604|987.538|CO|
23|9492896.022|306154.456|974.210|CO|
24|9492952.972|306237.018|1000.301|CO|
25|9492958.420|306234.664|1000.837|CO|
26|9492963.045|306232.635|1001.525|CO|
1D|9492914.932|306222.469|993.420|
E1|9492929.474|306248.640|994.285|
01|9492911.142|306212.336|990.354|CO|
02|9492908.535|306205.824|987.172|CO|
03|9492905.398|306199.867|983.868|CO|
04|9492901.508|306190.774|980.932|CO|
05|9492897.694|306182.594|979.497|CO|
06|9492894.060|306174.258|979.392|CO|
07|9492891.095|306167.073|978.096|CO|
08|9492887.949|306158.962|977.082|CO|
2D|9492895.611|306229.917|991.308|
E2|9492911.962|306258.281|989.425|

01|9492890.226|306215.080|989.638|CO|
02|9492887.275|306206.708|988.387|CO|
03|9492883.865|306199.292|987.011|CO|
04|9492881.262|306192.765|985.453|CO|
05|9492878.888|306186.639|983.412|CO|
06|9492876.233|306180.518|981.928|CO|
07|9492873.802|306174.875|979.352|CO|
E48|9492105.913|306701.823|956.470|
E47|9492123.380|306692.208|954.916|
01|9492111.015|306712.244|956.041|CO|
02|9492102.142|306694.782|956.226|CO|
03|9492114.900|306719.943|955.745|CO|
04|9492097.860|306686.590|955.536|CO|
05|9492118.717|306727.692|955.293|CO|
06|9492093.333|306677.689|956.498|CO|
07|9492122.501|306735.528|954.567|CO|
08|9492089.643|306670.833|955.878|CO|
09|9492126.276|306742.733|953.809|CO|
10|9492085.211|306662.141|956.847|CO|
11|9492129.948|306749.992|953.129|CO|
12|9492080.153|306652.702|957.377|CO|
13|9492133.779|306757.378|952.665|CO|
14|9492075.618|306643.917|957.712|CO|
15|9492139.276|306768.095|952.528|CO|
16|9492071.495|306635.729|957.105|CO|
17|9492143.491|306776.531|952.397|CO|
18|9492067.008|306628.517|955.795|CO|
19|9492147.809|306784.675|952.255|CO|
20|9492151.707|306791.400|952.730|CO|
21|9492062.231|306619.748|955.806|CO|
22|9492059.333|306613.306|955.710|CO|
E47|9492123.380|306692.208|954.916|
E48|9492105.913|306701.823|956.470|
01|9492072.460|306597.173|954.421|CO|
02|9492174.373|306787.631|951.566|CO|
03|9492074.913|306602.190|954.455|CO|
04|9492169.888|306780.392|951.890|CO|
05|9492074.916|306602.178|954.448|CO|
06|9492165.493|306773.012|951.686|CO|
07|9492079.210|306610.126|954.143|CO|
08|9492160.952|306765.834|951.681|CO|
09|9492082.590|306616.052|954.004|CO|
10|9492156.749|306758.223|951.844|CO|
11|9492085.182|306620.981|954.124|CO|
12|9492153.367|306750.531|951.937|CO|
13|9492088.837|306628.041|954.408|CO|
14|9492149.212|306743.180|952.264|CO|
15|9492092.494|306634.771|954.621|CO|
16|9492144.889|306735.648|952.831|CO|
17|9492097.101|306643.370|954.645|CO|
18|9492141.052|306728.110|953.177|CO|
19|9492101.618|306651.916|954.540|CO|
20|9492136.949|306721.099|953.405|CO|
21|9492106.375|306659.995|954.039|CO|
22|9492133.675|306713.565|953.724|CO|
23|9492110.727|306668.571|953.430|CO|
24|9492129.852|306706.079|954.158|CO|
25|9492115.430|306677.886|953.090|CO|
26|9492119.291|306684.911|954.202|CO|
E46|9492140.918|306682.533|953.439|P|

E45|9492158.445|306672.864|952.660|P|
E46|9492140.918|306682.533|953.439|
E45|9492158.445|306672.864|952.660|
01|9492145.076|306690.109|953.194|CO|
02|9492150.313|306699.780|952.857|CO|
03|9492154.290|306706.818|952.498|CO|
04|9492157.991|306714.110|952.495|CO|
05|9492161.637|306720.626|952.445|CO|
06|9492165.885|306727.832|952.364|CO|
07|9492170.031|306734.812|952.227|CO|
08|9492136.501|306675.445|952.680|CO|
09|9492174.754|306742.786|951.880|CO|
10|9492133.728|306668.999|951.817|CO|
11|9492179.025|306749.687|951.330|CO|
12|9492183.550|306757.864|951.187|CO|
13|9492188.407|306766.266|951.098|CO|
14|9492190.613|306770.728|951.050|CO|
15|9492129.983|306663.022|952.112|CO|
16|9492124.931|306654.834|952.937|CO|
17|9492119.009|306648.027|953.284|CO|
18|9492113.609|306639.705|953.415|CO|
19|9492108.393|306631.747|953.330|CO|
20|9492102.613|306622.505|953.157|CO|
21|9492097.354|306614.830|953.266|CO|
22|9492092.255|306606.645|953.343|CO|
23|9492086.466|306597.471|953.349|CO|
E45|9492158.445|306672.864|952.660|
E46|9492140.918|306682.533|953.439|
01|9492115.256|306583.710|951.677|CO|
02|9492203.041|306766.952|951.561|CO|
03|9492119.170|306591.368|951.580|CO|
04|9492199.385|306759.283|951.393|CO|
05|9492123.311|306599.974|951.588|CO|
06|9492196.213|306752.721|951.440|CO|
07|9492127.557|306608.748|952.045|CO|
08|9492192.939|306746.358|951.328|CO|
09|9492131.448|306617.452|952.424|CO|
10|9492189.392|306738.488|951.319|CO|
11|9492135.258|306625.870|952.643|CO|
12|9492185.938|306731.201|951.348|CO|
13|9492138.146|306631.786|952.627|CO|
14|9492182.667|306724.351|951.458|CO|
15|9492141.230|306637.311|952.488|CO|
16|9492178.530|306715.916|951.783|CO|
17|9492145.061|306646.206|952.078|CO|
18|9492174.497|306707.156|951.718|CO|
19|9492148.194|306651.577|951.453|CO|
20|9492170.799|306699.787|951.877|CO|
21|9492152.496|306660.295|951.228|CO|
22|9492167.164|306692.116|952.224|CO|
23|9492163.435|306684.022|952.534|CO|
E44|9492175.990|306663.169|951.015|P|
E43|9492193.439|306653.526|951.573|P|
E44|9492175.990|306663.169|951.015|
E43|9492193.439|306653.526|951.573|
01|9492172.202|306656.062|951.102|CO|
02|9492179.986|306670.709|950.835|CO|
03|9492167.772|306648.108|950.958|CO|
04|9492163.844|306640.439|951.140|CO|
05|9492182.890|306676.998|950.842|CO|

06|9492159.953|306632.420|952.205|CO|
07|9492186.728|306683.610|951.037|CO|
08|9492155.304|306623.585|952.512|CO|
09|9492190.376|306690.697|951.179|CE|
10|9492150.478|306615.230|952.510|CO|
11|9492194.601|306698.843|951.432|CO|
12|9492145.025|306604.813|952.564|CO|
13|9492198.585|306706.161|950.638|CO|
14|9492140.442|306596.451|952.034|CO|
15|9492136.075|306588.951|951.438|CO|
16|9492131.280|306579.619|951.621|CO|
17|9492203.729|306714.846|948.510|RIO|
18|9492127.649|306572.835|951.781|CO|
19|9492207.132|306723.091|948.285|RIO|
20|9492211.014|306730.435|948.110|RIO|
21|9492214.769|306736.403|947.867|RIO|
22|9492215.477|306737.705|947.605|CO|
23|9492220.225|306746.657|950.356|CO|
24|9492223.150|306752.201|950.301|CO|
E43|9492193.439|306653.526|951.573|
E44|9492175.990|306663.169|951.015|
E42|9492210.782|306643.746|949.502|P|
01|9492188.082|306642.967|951.839|CO|
02|9492184.055|306636.003|951.780|CO|
03|9492180.156|306629.079|951.351|CO|
04|9492175.128|306620.154|951.061|CO|
05|9492170.795|306612.490|950.903|CO|
06|9492166.537|306604.933|951.049|CO|
07|9492161.215|306595.487|951.263|CO|
08|9492150.809|306576.641|952.206|CO|
09|9492147.379|306570.453|951.904|CO|
10|9492201.427|306666.679|947.995|RIO|
11|9492205.094|306674.308|948.194|RIO|
12|9492208.978|306682.449|948.220|RIO|
13|9492214.254|306692.281|949.276|CO|
14|9492217.302|306698.371|951.391|CO|
15|9492220.498|306704.264|951.848|CO|
16|9492223.722|306709.236|951.884|CO|
17|9492227.115|306715.463|951.912|CO|
18|9492230.493|306721.241|951.756|CO|
19|9492234.585|306728.652|951.588|CO|
20|9492236.315|306731.869|951.426|CO|
E42|9492210.782|306643.746|949.502|
E43|9492193.439|306653.526|951.573|
01|9492214.762|306651.151|951.193|CO|
42E|9492217.821|306656.606|952.225|A|
42E|9492217.821|306656.606|952.225|
E42|9492210.782|306643.746|949.502|
01|9492221.645|306664.046|952.183|CO|
02|9492225.313|306672.048|951.973|CO|
03|9492228.748|306679.624|951.971|CO|
04|9492232.040|306686.659|951.797|CO|
05|9492164.293|306559.296|952.141|CO|
06|9492234.749|306692.978|951.760|CO|
07|9492167.071|306563.929|952.110|CO|
08|9492237.888|306699.910|951.669|CO|
09|9492170.909|306571.536|951.867|CO|
10|9492240.999|306706.896|951.789|CO|
11|9492175.032|306579.108|951.783|CO|
12|9492179.290|306586.637|951.858|CO|

13|9492243.700|306712.675|951.732|CO|
14|9492183.475|306594.676|952.062|CO|
15|9492246.854|306719.479|951.764|CO|
16|9492188.113|306602.417|952.157|CO|
17|9492193.406|306611.580|952.037|CO|
18|9492197.649|306619.962|949.317|CO|
19|9492249.977|306726.161|951.826|CO|
20|9492204.586|306631.664|948.233|CO|
21|9492253.431|306733.697|951.802|CO|
E39|9492263.607|306615.026|951.647|
E38|9492281.132|306605.391|951.509|
01|9492258.169|306606.979|951.898|CO|
E40|9492246.060|306624.704|952.021|P|
E41|9492228.551|306634.362|952.015|P|
03|9492254.158|306600.255|952.102|CO|
04|9492249.430|306592.771|952.214|CO|
05|9492244.595|306585.476|952.324|CO|
06|9492267.917|306622.518|951.469|CO|
07|9492239.764|306578.171|952.548|CO|
08|9492271.006|306628.482|951.330|CO|
09|9492235.102|306570.576|952.408|CE|
10|9492275.721|306636.629|951.533|CO|
11|9492279.093|306642.917|951.616|CO|
12|9492283.772|306651.351|951.567|CO|
13|9492283.718|306651.353|951.555|CO|
14|9492230.666|306563.613|949.534|CO|
15|9492288.435|306660.172|951.449|CO|
16|9492225.601|306555.736|948.746|CO|
17|9492292.955|306668.441|951.355|CO|
18|9492225.688|306555.840|948.752|CO|
19|9492297.796|306677.287|951.385|CO|
20|9492221.540|306549.403|949.348|CO|
21|9492302.540|306685.823|951.158|CO|
22|9492218.284|306543.666|949.948|CO|
23|9492306.805|306693.646|951.255|CO|
24|9492213.292|306537.167|950.093|CO|
25|9492311.541|306702.394|950.981|CO|
26|9492208.673|306529.928|950.027|CO|
E40|9492246.060|306624.704|952.021|
E39|9492263.607|306615.026|951.647|
01|9492195.568|306538.098|952.370|CO|
02|9492200.061|306545.874|952.045|CO|
03|9492296.057|306713.390|951.273|CO|
04|9492204.118|306553.394|951.801|CO|
05|9492291.245|306704.444|951.215|CO|
06|9492208.168|306559.840|950.688|CO|
07|9492291.216|306704.417|951.206|CO|
08|9492212.698|306566.892|950.516|CO|
09|9492286.105|306696.115|951.116|CO|
10|9492216.654|306573.604|950.082|CO|
11|9492281.582|306687.646|951.157|CO|
12|9492276.937|306679.325|951.240|CO|
13|9492220.840|306580.633|948.645|CO|
14|9492272.619|306671.076|951.418|CO|
15|9492225.446|306588.048|948.467|CO|
16|9492267.700|306662.291|951.473|CO|
17|9492228.838|306594.496|951.702|CO|
18|9492262.090|306652.256|951.579|CO|
19|9492232.803|306601.800|951.618|CO|
20|9492257.075|306643.647|951.669|CO|

21|9492237.259|306609.266|951.644|CO|
22|9492252.378|306635.445|951.750|CO|
23|9492241.810|306616.176|951.623|CO|
E41|9492228.551|306634.362|952.015|
E40|9492246.060|306624.704|952.021|
01|9492225.191|306627.523|952.110|CO|
02|9492232.647|306643.567|951.886|CO|
03|9492221.819|306620.790|952.117|CO|
04|9492236.069|306651.617|951.837|CO|
05|9492217.764|306613.301|951.121|CO|
06|9492240.122|306660.233|951.833|CO|
07|9492244.383|306669.497|951.603|CO|
08|9492214.369|306607.623|947.934|CO|
09|9492249.528|306679.689|951.535|CO|
10|9492210.403|306599.365|948.604|CO|
11|9492253.709|306688.645|951.521|CO|
12|9492207.300|306592.699|949.770|CO|
13|9492257.496|306696.816|951.596|CO|
14|9492204.120|306587.223|950.825|CO|
15|9492261.435|306705.483|951.568|CO|
16|9492201.082|306578.980|951.374|CO|
17|9492265.349|306713.714|951.583|CO|
18|9492197.376|306570.995|951.568|CO|
19|9492268.949|306721.305|951.661|CO|
20|9492193.104|306565.722|951.932|CO|
21|9492272.979|306730.026|952.090|CO|
22|9492189.115|306558.233|952.271|CO|
E21|9492579.056|306441.457|964.369|
E20|9492596.569|306431.821|964.434|
01|9492584.203|306449.014|964.455|CO|
02|9492588.831|306455.122|964.499|CO|
03|9492592.983|306460.363|964.556|CO|
04|9492511.919|306360.234|959.477|BE|
05|9492521.721|306371.697|959.536|BE|
06|9492599.671|306468.173|964.602|CO|
07|9492526.808|306378.636|958.080|CO|
08|9492603.875|306473.652|964.614|CO|
09|9492532.746|306385.427|959.002|CO|
10|9492607.625|306480.176|964.590|CO|
11|9492539.116|306393.182|960.252|CO|
12|9492611.862|306486.208|964.643|CO|
13|9492546.623|306401.846|960.886|CO|
14|9492617.375|306493.970|964.670|CO|
15|9492553.615|306410.670|961.526|CO|
16|9492622.620|306501.226|964.698|CO|
17|9492559.408|306417.199|962.002|CE|
18|9492626.927|306507.385|964.579|CO|
19|9492565.040|306423.764|962.871|CO|
20|9492571.692|306432.207|963.737|CO|
21|9492632.346|306515.345|964.370|CO|
22|9492636.493|306521.051|964.209|CO|
E20|9492596.569|306431.821|964.434|
E21|9492579.056|306441.457|964.369|
01|9492573.653|306390.475|963.274|CE|
02|9492570.575|306383.583|962.044|CE|
03|9492643.045|306517.323|964.875|CE|
04|9492566.432|306375.243|961.599|CE|
05|9492638.538|306509.036|964.899|CE|
06|9492562.157|306369.103|960.583|CE|
07|9492634.792|306502.575|964.762|CE|

08|9492559.018|306362.812|960.148|CO|
09|9492631.112|306495.813|964.887|CO|
10|9492554.812|306355.019|960.308|CO|
11|9492627.206|306488.540|964.941|CO|
12|9492551.073|306349.387|959.663|CO|
13|9492623.438|306481.333|964.914|CO|
14|9492547.419|306344.229|957.901|CO|
15|9492618.982|306472.943|964.993|CO|
16|9492615.162|306465.381|965.028|CE|
17|9492612.368|306460.388|964.720|CO|
18|9492607.952|306452.705|964.627|CO|
19|9492603.769|306444.403|964.698|CO|
E17|9492649.123|306402.914|966.318|
E16|9492666.623|306393.246|966.983|
01|9492644.636|306394.562|966.094|CO|
02|9492653.677|306411.633|966.430|CO|
03|9492639.764|306386.582|965.929|CO|
04|9492658.662|306418.612|966.588|CO|
05|9492635.190|306378.645|965.649|CO|
06|9492662.018|306425.978|966.638|CO|
07|9492629.381|306369.341|965.411|CO|
08|9492666.934|306433.688|966.740|CO|
09|9492623.275|306359.068|965.124|CO|
10|9492671.526|306442.524|966.775|CO|
11|9492617.754|306350.251|964.789|CO|
12|9492676.295|306450.464|966.836|CO|
13|9492611.555|306340.511|964.374|CO|
14|9492680.454|306458.285|966.865|CO|
15|9492606.134|306332.090|964.524|CO|
16|9492684.786|306465.727|966.987|CO|
17|9492601.074|306323.987|964.688|CO|
18|9492688.496|306473.320|966.855|CO|
19|9492595.581|306315.118|964.947|CO|
20|9492692.742|306481.156|966.885|CO|
21|9492698.524|306490.346|966.907|CO|
E16|9492666.623|306393.246|966.983|
E17|9492649.123|306402.914|966.318|
01|9492601.958|306287.308|964.359|CO|
02|9492710.115|306476.708|967.483|CO|
03|9492617.972|306313.686|965.213|CO|
04|9492704.336|306465.289|967.565|CO|
05|9492625.137|306325.868|965.701|CO|
06|9492698.183|306453.874|967.568|CO|
07|9492633.837|306338.251|966.098|CO|
08|9492692.272|306442.962|967.559|CO|
09|9492641.640|306350.630|966.120|CO|
10|9492687.057|306432.169|967.370|CO|
11|9492649.641|306363.006|966.398|CO|
12|9492680.616|306421.139|967.216|CO|
13|9492656.998|306375.220|966.655|CO|
14|9492674.809|306409.573|967.146|CO|
15|9492661.647|306384.097|966.800|CO|
16|9492671.593|306402.514|967.096|CO|
E15|9492684.141|306383.591|967.909|
E16|9492666.623|306393.246|966.983|
01|9492690.034|306394.091|967.880|CO|
02|9492621.660|306278.090|965.733|CO|
03|9492695.792|306405.006|968.008|CO|
04|9492636.017|306302.489|966.103|CO|
05|9492701.080|306416.654|968.034|CO|

06|9492643.652|306315.557|966.548|CO|
07|9492706.795|306428.280|968.056|CO|
08|9492651.650|306328.121|966.776|CO|
09|9492712.355|306439.349|968.170|CO|
10|9492659.251|306340.879|966.476|CO|
11|9492719.237|306449.612|968.189|CO|
12|9492667.671|306354.875|967.279|CO|
13|9492725.438|306461.560|968.264|CO|
14|9492675.048|306367.380|967.602|CO|
15|9492731.183|306472.382|968.270|CO|
16|9492680.023|306375.669|967.633|CO|

ANEXO 5 – DESENHOS

RELAÇÃO DE DESENHOS – BARRAGEM JATOBÁ

Nº DE ORDEM	DESCRIÇÃO	ARQUIVO
01	Planta Baixa do Boqueirão e do Sangradouro – Arranjo Geral	I-3-JA-01/08-000
02	Planta Baixa do Boqueirão – Estaca E-05 a E22	I-3-JA-02/08-000
03	Planta Baixa do Boqueirão – Estaca E23 a E61+11,50m	I-3-JA-03/08-000
04	Planta Baixa do Boqueirão – Estaca E-26 a E-06	I-3-JA-04/08-000
05	Planta Baixa do Boqueirão	I-3-JA-05/08-000
06	Perfil Longitudinal do Eixo do Boqueirão – Estaca E-26 a E13	I-3-JA-06/08-000
07	Perfil Longitudinal do Eixo do Boqueirão – Estaca E13 a E52	I-3-JA-07/08-000
08	Perfil Longitudinal do Boqueirão – Estaca E52 a E61+11,50m	I-3-JA-08/08-000