



Contratante: DMAE – Departamento Municipal de Água e Esgoto

Obra: Serviços de levantamentos topográficos e acompanhamento de obras.

Concorrência: 18.10.000000187-7

DEMANDA 57

RUA JOÃO MOREIRA MACIEL E ADJACENCIAS



Engenharia Ltda.

AGOSTO / 2021

À
DMAE – Departamento Municipal de Água e Esgoto
Gerência de Projetos de Obras
A/C Sr. Giordano da Silva Jobim

A DW – Engenharia está entregando o serviço referente a concorrência 18.10.000000187-7, correspondente a:

DEMANDA 57 – RUA JOÃO MOREIRA MACIEL E ADJACENCIAS.

Estamos à disposição para eventuais esclarecimentos adicionais, caso necessário.

Atenciosamente,

Porto Alegre, 31 de AGOSTO de 2021.

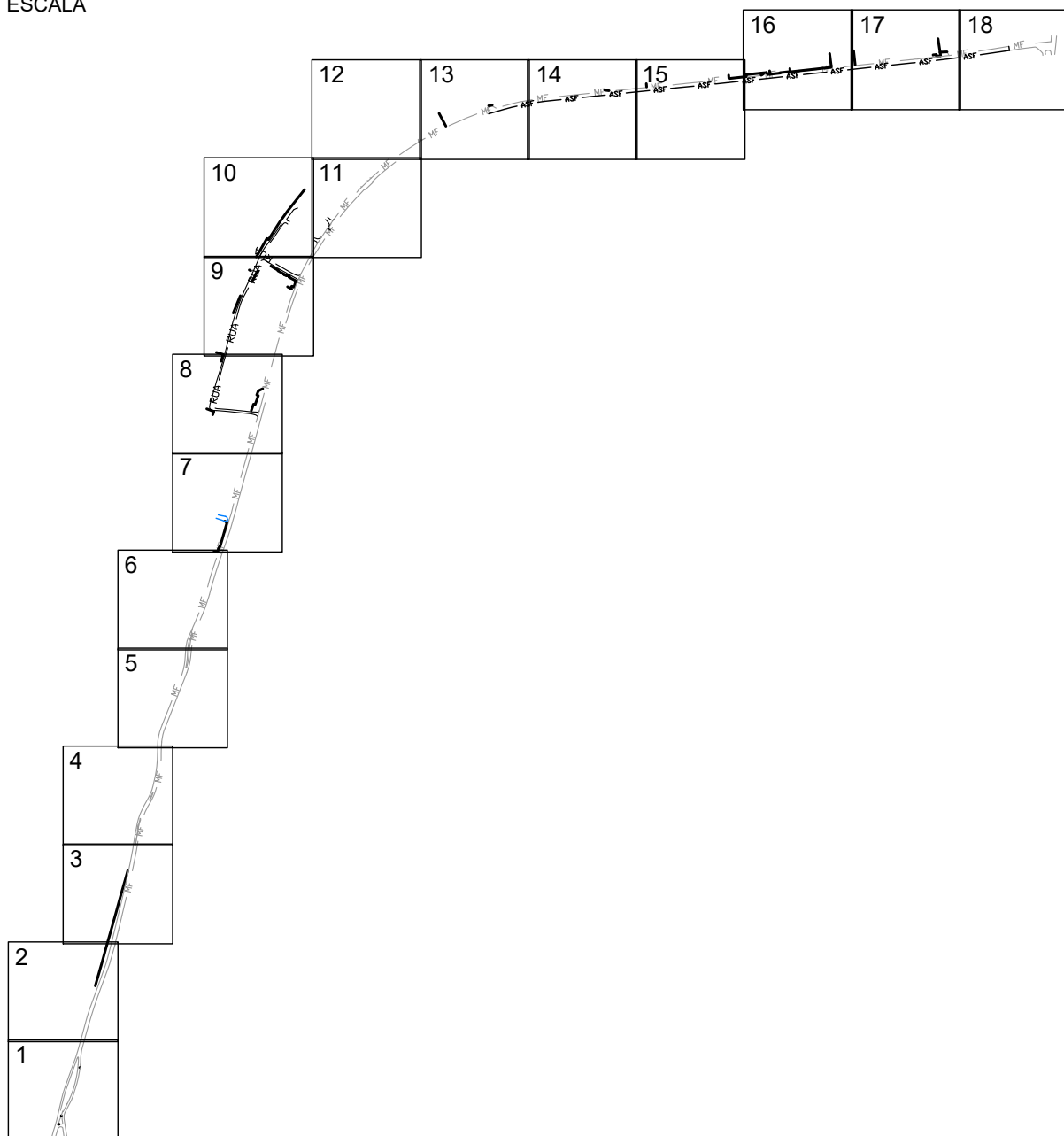
Daniel Galvani da Costa – CREA/RS 191691



Engenharia Ltda.

LEVANTAMENTO PLANIALTIMÉTRICO

PLANTA DE LOCALIZAÇÃO SEM ESCALA



CONTRATADA



Rua Diário de Notícias, Nº 200 sala 2103 - CEP 90810-080 - POA / RS

Fone: (51) 3022-3477

CLIENTE

DMAE - DEPARTAMENTO MUNICIPAL DE ÁGUA E ESGOTO

OBRA

SERVIÇOS DE LEVANTAMENTOS TOPOGRÁFICOS E ACOMPANHAMENTO DE OBRAS

LOCALIDADE

PORTO ALEGRE - RUA JOÃO MOREIRA MACIEL

DATA

31/08/2021

ASSUNTO

DEMANDA 57 - RUA JOÃO MOREIRA MACIEL E ADJACÊNCIAS

ESCALA

INDICADA

TÍTULO DO DOCUMENTO

LEVANTAMENTO PLANIALTIMÉTRICO

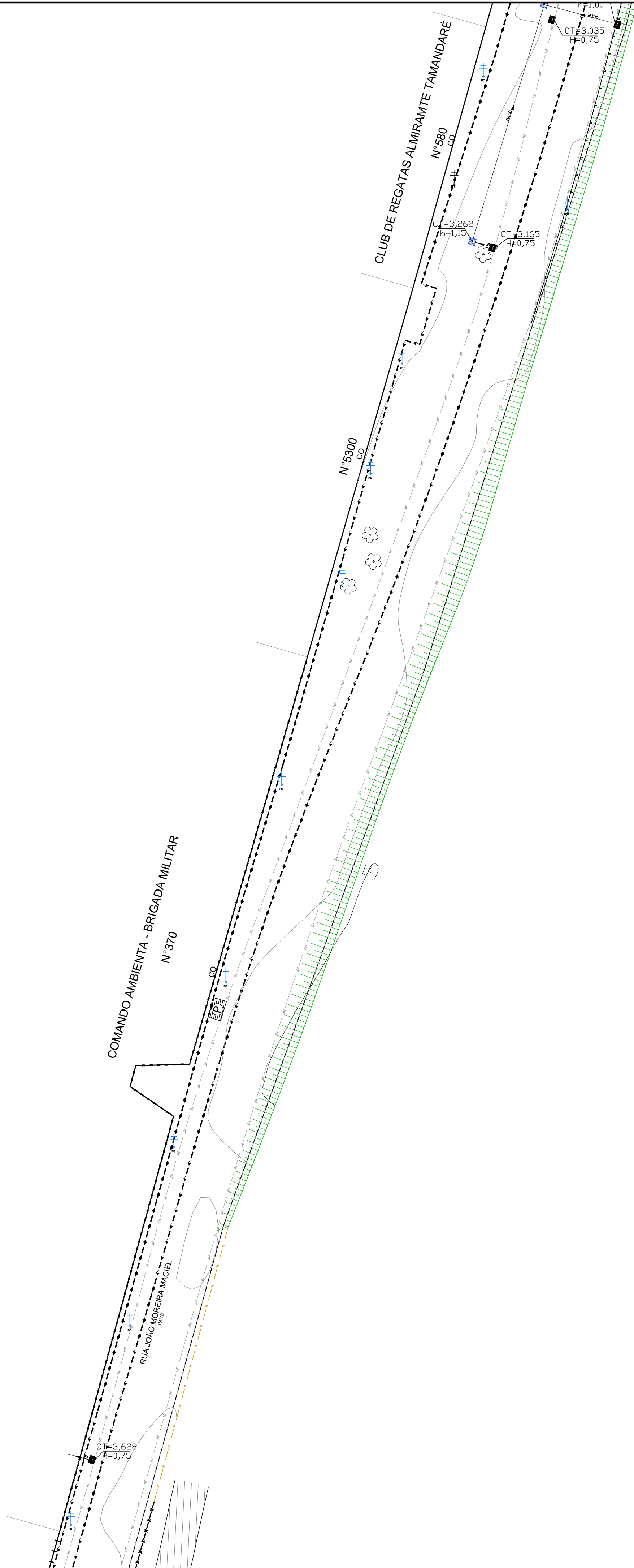
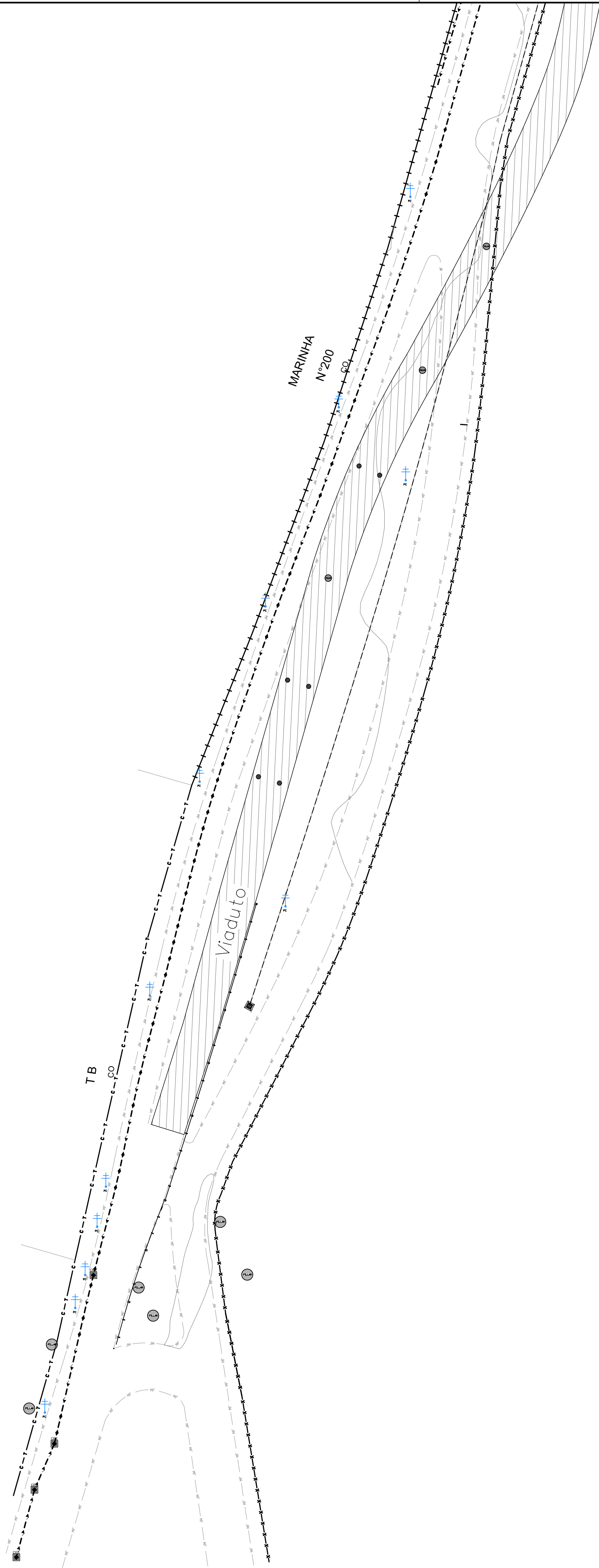
FOLHA

RESP. TÉCNICO

ENG. WOLNEY MOREIRA DA COSTA - CREA 7626

ENG. DANIEL GALVANI DA COSTA - CREA 191691

01 / 12



LEGENDAS

MURO ALVENARIA	—	—
BORDO CALÇADA	—	—
MEIO FIO	—	—
SINALIZAÇÃO NA PISTA	—	—
ALINHAMENTO PREDIAL	—	—
REDE PLUVIAL EXIST	—	—
REDE CLOACAL EXIST	—	—
GALERIA	—	—
ADUTORA	—	—
BORDO ASFALTO	—	—

REGISTRO ÁGUA

POÇO DE VISITA - CALÇADA

POÇO DE VISITA - RUA

CAIXA CLOCAL

BOCA DE LOBO

CAIXA TAMPA CONCRETO

CAIXA CLOACAL PASSEIO

ARMÁRIO TELEFONE

CAIXA TELEFONE

CONSTRUÇÃO DE ALVENARIA

COTAS SOLEIRAS

CAIXA TELEFONE

GRELHA

HIDRANTE

CAIXA INCÊNDIO

POSTE DE MADEIRA

POSTE DE CONCRETO

POSTE DE FERRO

LUMINÁRIA

TIPOS DE PAVIMENTO

BASALTO

LAGE GRES

PISO CONCRETO

CONCRETO BETUMINOSO

TERRENO NATURAL

CONCRETO INTERTRAVADO

LAJOTA CONCRETO

LAJOTA CERÂMICA

CONTROADOR DE VELOCIDADE

ÁRVORE VEGETAÇÃO

CAIXA TELEFONE

PARADA ÔNIBUS

CONSTRUÇÃO DE ALVENARIA

ALTA TENÇÃO SUBTERRÂNEA

PARQUÍMETRO

FERROVIA

TRANSIÇÃO ENTRE PAVIMENTOS

MURO GRADIL

BANCO DE PRAÇA

REFERÊNCIAS PLANIMÉTRICAS:

TM POA

1 - M12A:

E = 281.787,841

N = 1.681.562,018

2 - P0326:

E = 280.555,8702

N = 1.680.534,832

3 - P0327:

E = 280720,5155

N = 1.681.119,28

DATUM SIRGAS 2000

Planimetria: Sistema de Coordenadas TM-POA
Vinculado a Rede de Referência Municipal
Poligonal vinculada com GPS RTK

CONTRATADA

Rua Diário de Notícias, N° 200 sala 2103 - CEP 90810-080 - POA / RS

Fone: (51) 3022-3477

CLIENTE: DMAE - DEPARTAMENTO MUNICIPAL DE ÁGUA E ESGOTO

EMP: SERVIÇOS DE LEVANTAMENTOS TOPOGRÁFICOS E ACOMPANHAMENTO DE OBRAS

LOCALIDADE: PORTO ALEGRE - RUA JOÃO MOREIRA MACIEL

ASSINTO: DEMANDA 57 - RUA JOÃO MOREIRA MACIEL E ADJACÊNCIAS

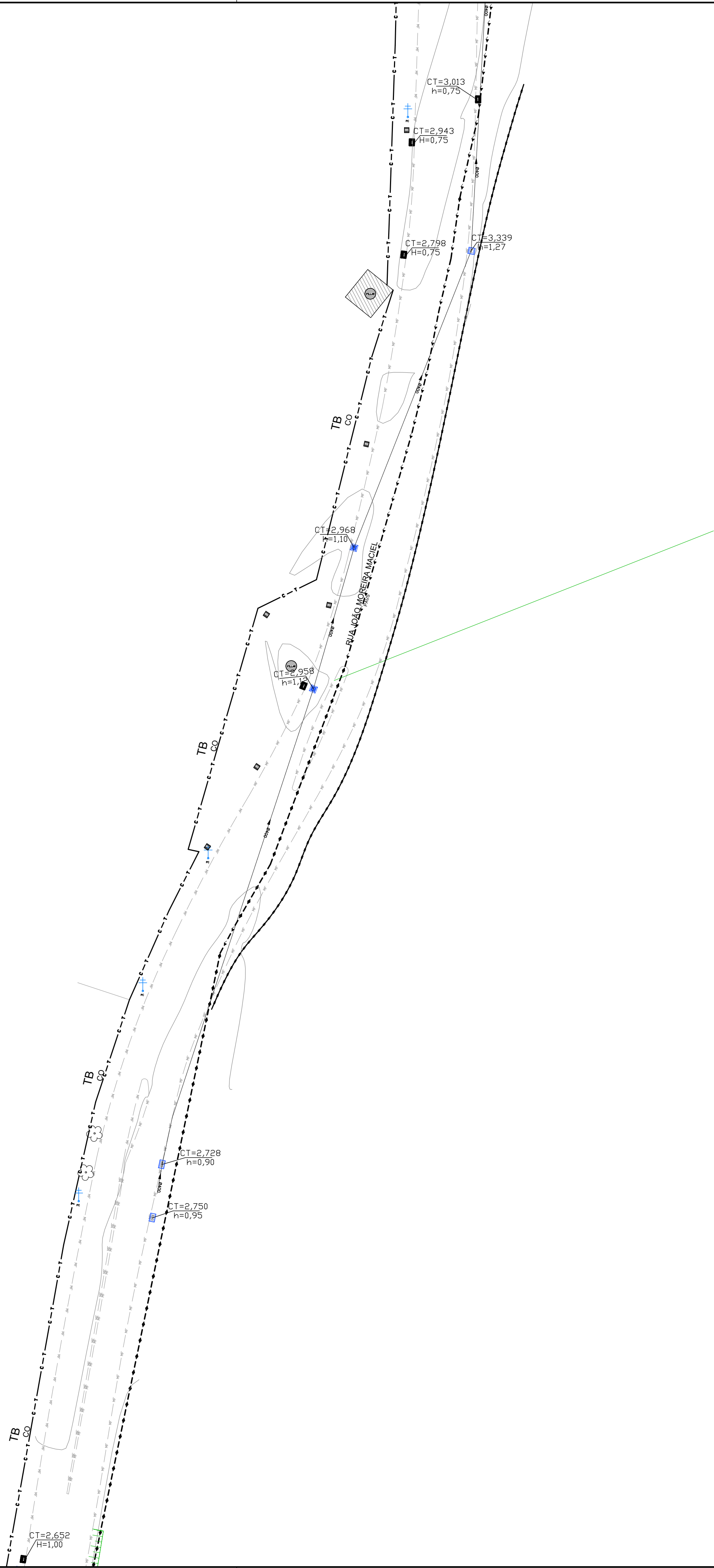
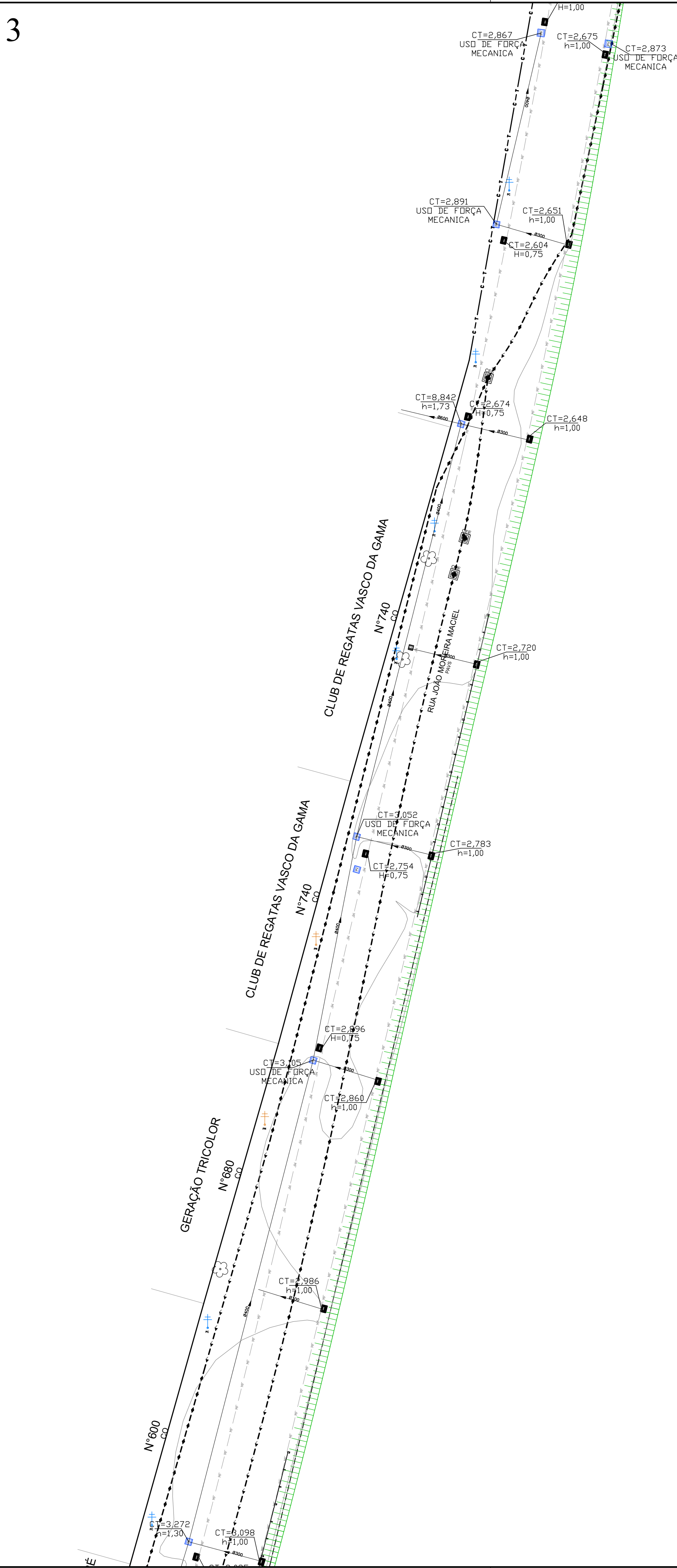
TÍTULO DO DOCUMENTO: LEVANTAMENTO PLANALTIMÉTRICO

RESP. TÉCNICO: ENG. WOLNEY MOREIRA DA COSTA - CREA 7626
ENG. DANIEL GALVANI DA COSTA - CREA 191691

DATA: 31/08/2021

ESCALA: 1:500

FOLHA: 02 / 12



LEGENDAS

MURO ALVENARIA	—	—
BORDO CALÇADA	—	—
MEIO FIO	—	—
SINALIZAÇÃO NA PISTA	—	—
ALINHAMENTO PREDIAL	—	—
REDE PLUVIAL EXIST	—	—
REDE CLOACAL EXIST	—	—
GALERIA	—	—
ADUTORA	—	—
BORDO ASFALTO	—	—

REGISTRO ÁGUA

POÇO DE VISITA - CALÇADA

POÇO DE VISITA - RUA

CAIXA CLOACAL

BOCA DE LOBO

CAIXA TAMPA CONCRETO

CAIXA CLOACAL PASSEIO

ARMÁRIO TELEFONE

CAIXA TELEFONE

CONSTRUÇÃO DE ALVENARIA

COTAS SOLEIRAS

CAIXA TELEFONE

GRELHA

HIDRANTE

CAIXA INCÊNDIO

POSTE DE MADEIRA

POSTE DE CONCRETO

POSTE DE FERRO

LUMINÁRIA

TIPOS DE PAVIMENTO

BASALTO

LAGE GRES

PISO CONCRETO

CONCRETO BETUMINOSO

TERRENO NATURAL

CONCRETO INTERTRAVADO

LAJOTA CONCRETO

LAJOTA CERÂMICA

CONTROLOADOR DE VELOCIDADE

ÁRVORE VEGETAÇÃO

CAIXA TELEFONE

PARADA ÔNIBUS

CONSTRUÇÃO DE ALVENARIA

ALTA TENSÃO SUBTERRÂNEA

PARQUÍMETRO

FERROVIA

TRANSIÇÃO ENTRE PAVIMENTOS

MURO GRADIL

BANCO DE PRAÇA

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N = 1.681.119,28

DATUM SIRGAS 2000

Planimetria: Sistema de Coordenadas TM-POA
Vinculado a Rede de Referência Municipal
Poligonal vinculada com GPS RTK

CONTRATADA

 Engenharia Ltda.

Rua Diário de Notícias, Nº 200 sala 2103 - CEP 90810-080 - POA / RS

Fone: (51) 3022-3477

CLIENTE

DMAE - DEPARTAMENTO MUNICIPAL DE ÁGUA E ESGOTO

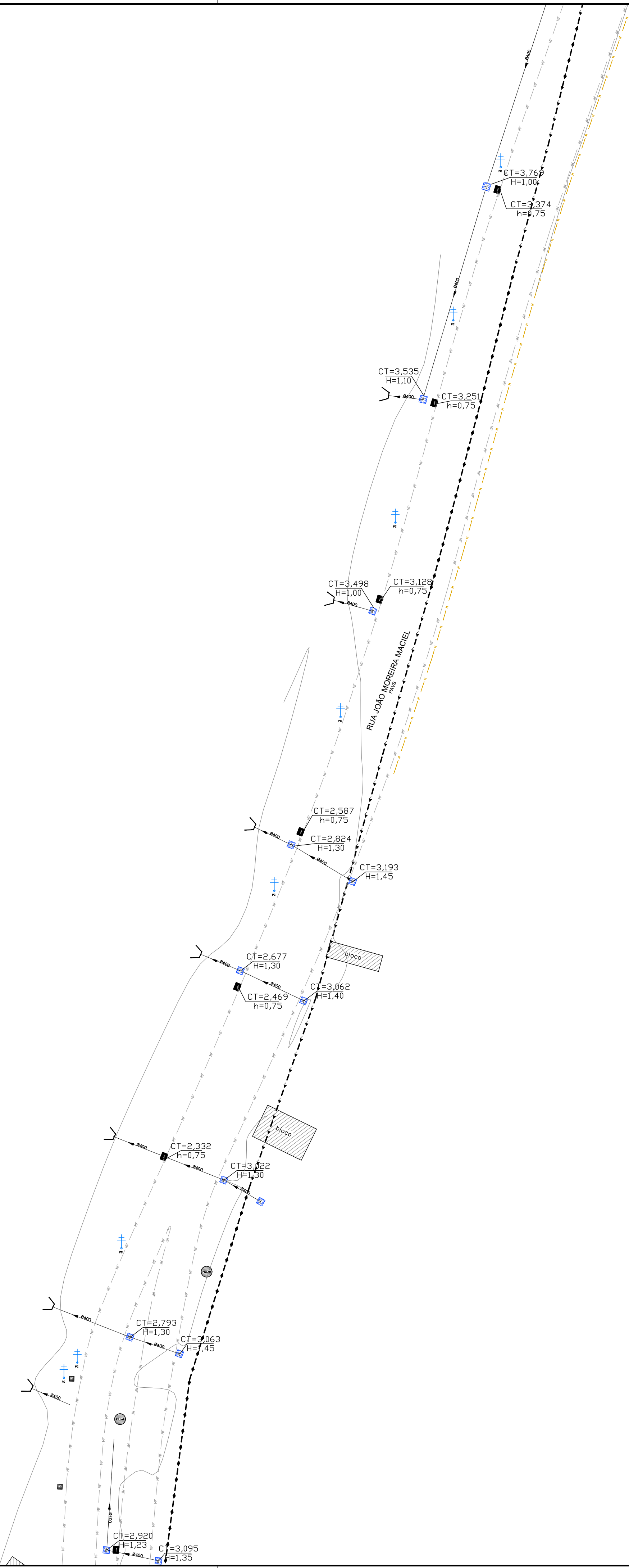
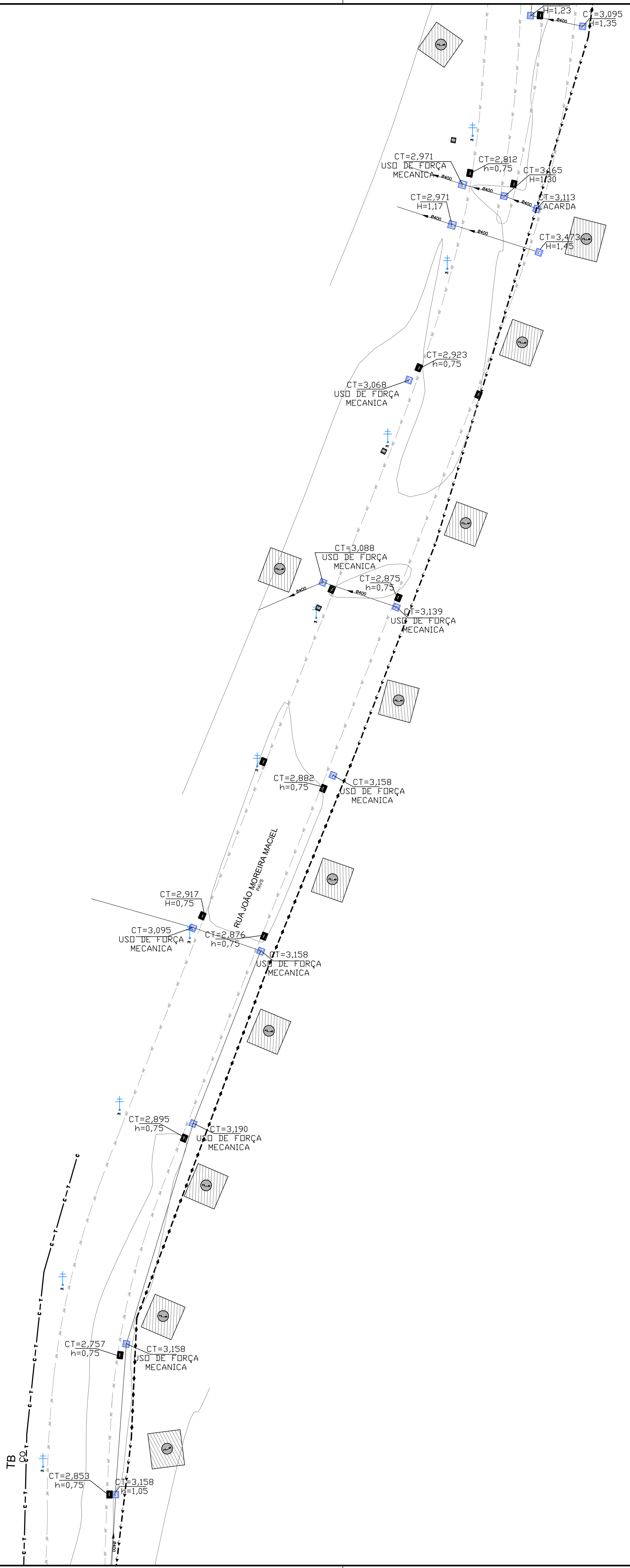
SERVIÇOS DE LEVANTAMENTOS TOPOGRÁFICOS E ACOMPANHAMENTO DE OBRAS

LOCALIDADE	PORTO ALEGRE - RUA JOÃO MOREIRA MACIEL	DATA	31/08/2021
DEMANDA	DEMANDA 57 - RUA JOÃO MOREIRA MACIEL E ADJACÊNCIAS	ESCALA	1:500
TÍTULO DO DOCUMENTO	LEVANTAMENTO PLANALTIMÉTRICO	FOLHA	03 / 12

RESP. TÉCNICO

ENG. WOLNEY MOREIRA DA COSTA - CREA 7626

ENG. DANIEL GALVANI DA COSTA - CREA 191691



LEGENDAS

MURO ALVENARIA	—	REGISTRO ÁGUA	—
BORDO CALÇADA	—	POÇO DE VISITA - CALÇADA	—
MEIO FIO	—	POÇO DE VISITA - RUA	—
SINALIZAÇÃO NA PISTA	—	CAIXA CLOCAL	—
ALINHAMENTO PREDIAL	—	BOCA DE LOBO	—
REDE PLUVIAL EXIST	—	CAIXA TAMPA CONCRETO	—
REDE CLOCAL EXIST	—	CAIXA CLOCAL PASSEIO	—
GALERIA	—	ARMÁRIO TELEFONE	—
ADUTORA	—	CAIXA TELEFONE	—
BORDO ASFALTO	—		

CONSTRUÇÃO DE ALVENARIA

COTAS SOLEIRAS	—
CAIXA TELEFONE	—
GRELHA	—
HIDRANTE	—
CAIXA INCÊNDIO	—
POSTE DE MADEIRA	—
POSTE DE CONCRETO	—
POSTE DE FERRO	—
LUMINÁRIA	—

TIPOS DE PAVIMENTO

BASALTO	—
LAGE GRES	—
PISO CONCRETO	—
CONCRETO BETUMINOSO	—
TERRENO NATURAL	—
CONCRETO INTERTRAVADO	—
LAJOTA CONCRETO	—
LAJOTA CERÂMICA	—

CONTROLO DE VELOCIDADE

ÁRVORE VEGETAÇÃO	—
CAIXA TELEFONE	—
PARADA ÔNIBUS	—
CONSTRUÇÃO DE ALVENARIA	—
ALTA TENSÃO SUBTERRÂNEA	—
PARQUÍMETRO	—
FERROVIA	—
TRANSIÇÃO ENTRE PAVIMENTOS	—
MURO GRADIL	—
BANCO DE PRAÇA	—

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DATUM SIRGAS 2000

Planimetria: Sistema de Coordenadas TM-POA
Vinculado a Rede de Referência Municipal
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CONTRATADA

 Engenharia Ltda.

Rua Diário de Notícias, Nº 200 sala 2103 - CEP 90810-080 - POA / RS

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CLIENTE

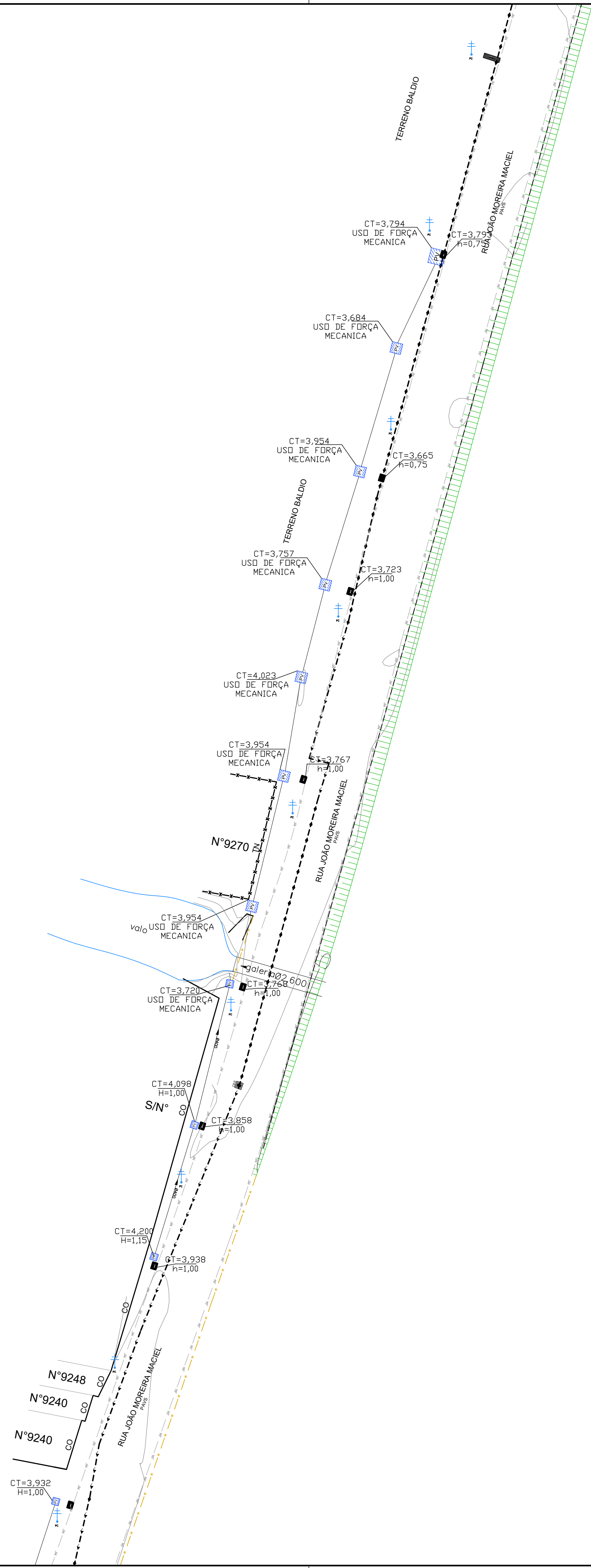
DMAE - DEPARTAMENTO MUNICIPAL DE ÁGUA E ESGOTO

SERVIÇOS DE LEVANTAMENTOS TOPOGRÁFICOS E ACOMPANHAMENTO DE OBRAS

LOCALIDADE	PORTO ALEGRE - RUA JOÃO MOREIRA MACIEL	DATA	31/08/2021
DEMANDA	DEMANDA 57 - RUA JOÃO MOREIRA MACIEL E ADJACÊNCIAS	ESCALA	1:500
TÍTULO DO DOCUMENTO	LEVANTAMENTO PLANALTIMÉTRICO	FOLHA	04 / 12

RESP. TÉCNICO

ENG. WOLNEY MOREIRA DA COSTA - CREA 7626
ENG. DANIEL GALVANI DA COSTA - CREA 191691



LEGENDAS

MURO ALVENARIA	
BORDO CALÇADA	
MEIO FIO	
SINALIZAÇÃO NA PISTA	
ALINHAMENTO PREDIAL	
REDE PLUVIAL EXIST	
REDE CLOACAL EXIST	
GALERIA	
ADUTORA	
BORDO ASFALTO	

REGISTRO ÁGUA

POÇO DE VISITA - CALÇADA	
POÇO DE VISITA - RUA	
CAIXA CLOACAL	
BOCA DE LOBO	
CAIXA TAMPA CONCRETO	
CAIXA CLOACAL PASSEIO	
ARMÁRIO TELEFONE	
CAIXA TELEFONE	

CONSTRUÇÃO DE ALVENARIA

COTAS SOLEIRAS	
CAIXA TELEFONE	
GRELHA	
HIDRANTE	
CAIXA INCÊNDIO	
POSTE DE MADEIRA	
POSTE DE CONCRETO	
POSTE DE FERRO	
LUMINÁRIA	

TIPOS DE PAVIMENTO

BASALTO	BA
LAGE GRES	LG
PISO CONCRETO	CO
CONCRETO BETUMINOSO	CBUQ
TERRENO NATURAL	TN
CONCRETO INTERTRAVADO	PAVS
LAJOTA CONCRETO	LJ-CO
LAJOTA CERÂMICA	LJ-CE

CONTROLOADOR DE VELOCIDADE

ÁRVORE VEGETAÇÃO	
CAIXA TELEFONE	
PARADA ÔNIBUS	
CONSTRUÇÃO DE ALVENARIA	
ALTA TENÇÃO SUBTERRÂNEA	
PARQUÍMETRO	
FERROVIA	
TRANSIÇÃO ENTRE PAVIMENTOS	
MURO GRADIL	
BANCO DE PRAÇA	

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DATUM SIRGAS 2000

Planimetria: Sistema de Coordenadas TM-POA
Vinculado a Rede de Referência Municipal
Poligonal vinculada com GPS RTK

CONTRATADA

Rua Diário de Notícias, N° 200 sala 2103 - CEP 90810-080 - POA / RS

Fone: (51) 3022-3477

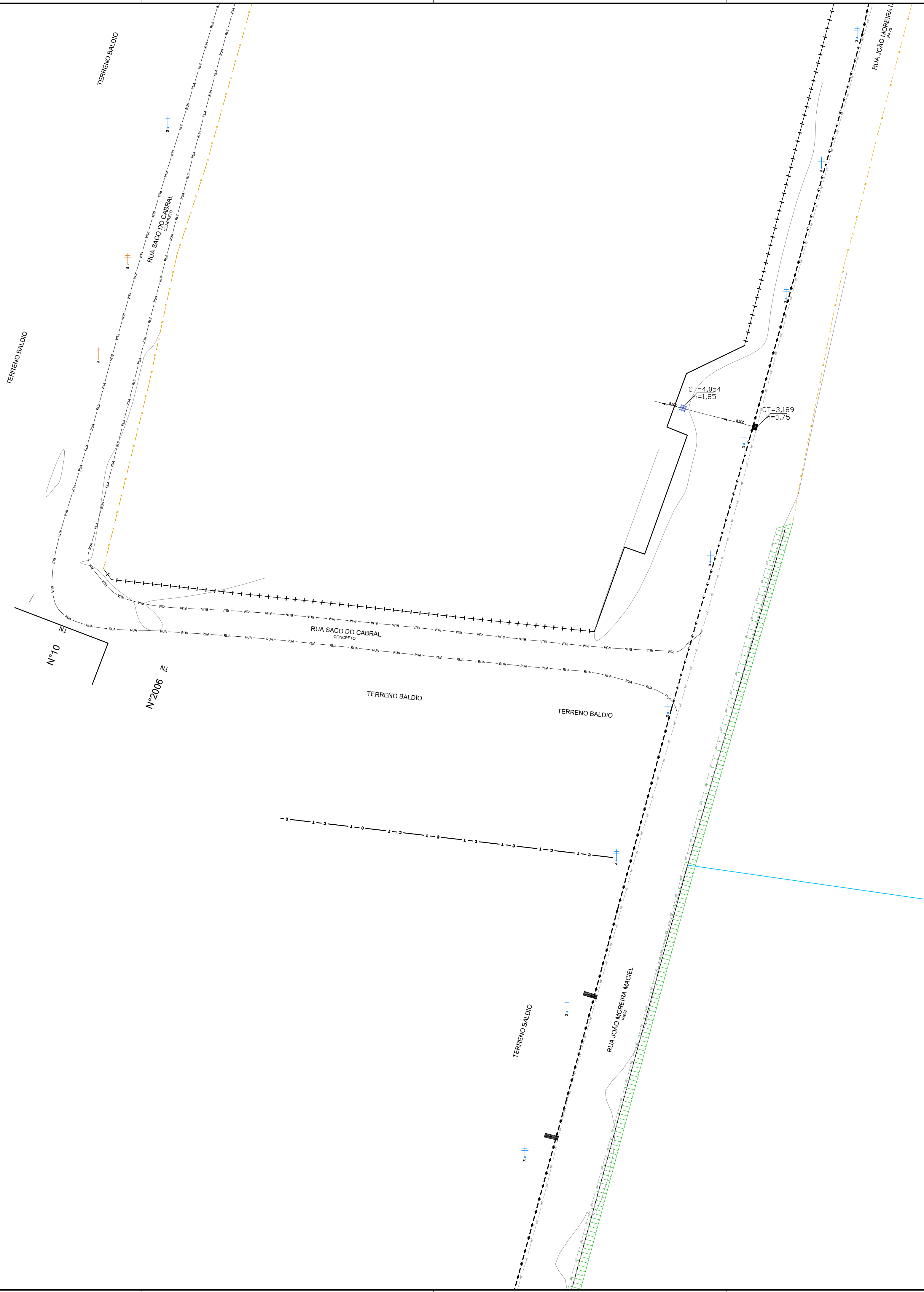
CLIENTE: DMAE - DEPARTAMENTO MUNICIPAL DE ÁGUA E ESGOTO

OBJETO: SERVIÇOS DE LEVANTAMENTOS TOPOGRÁFICOS E ACOMPANHAMENTO DE OBRAS

LOCALIDADE: PORTO ALEGRE - RUA JOÃO MOREIRA MACIEL	DATA: 31/08/2021
ASSINADO: DEMANDA 57 - RUA JOÃO MOREIRA MACIEL E ADJACÊNCIAS	ESCALA: 1:500
TÍTULO DO DOCUMENTO: LEVANTAMENTO PLANIALTIMÉTRICO	FOLHA:

RESP. TÉCNICO: ENG. WOLNEY MOREIRA DA COSTA - CREA 7626
ENG. DANIEL GALVANI DA COSTA - CREA 191691

05 / 12



LEGENDAS

MURO ALVENARIA		REGISTRO ÁGUA	
BORDO CALÇADA		POÇO DE VISITA - CALÇADA	
MEIO FIO		POÇO DE VISITA - RUA	
SINALIZAÇÃO NA PISTA		CAIXA CLOCAL	
ALINHAMENTO PREDIAL		BOCA DE LOBO	
REDE PLUVIAL EXIST		CAIXA TAMPA CONCRETO	
REDE CLOCAL EXIST		CAIXA CLOCAL PASSEIO	
GALERIA		ARMÁRIO TELEFONE	
ADUTORA		CAIXA TELEFONE	
BORDO ASFALTO			

CONSTRUÇÃO DE ALVENARIA

COTAS SOLEIRAS	
CAIXA TELEFONE	
GRELHA	
HIDRANTE	
CAIXA INCÊNDIO	
POSTE DE MADEIRA	
POSTE DE CONCRETO	
POSTE DE FERRO	
LUMINÁRIA	

TIPOS DE PAVIMENTO

BASALTO	BA
LAGE GRES	LG
PISO CONCRETO	CO
CONCRETO BETUMINOSO	CBUQ
TERRENO NATURAL	TN
CONCRETO INTERTRAVADO	PAVS
LAJOTA CONCRETO	LJ-CO
LAJOTA CERÂMICA	LJ-CE

REFERÊNCIAS PLANIMÉTRICAS:

TM POA

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E = 281.787,841
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E = 280.555,8702
N = 1.680.534,832

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DATUM SIRGAS 2000

CONTROLOADOR DE VELOCIDADE

ÁRVORE VEGETAÇÃO

CAIXA TELEFONE

PARADA ÔNIBUS

CONSTRUÇÃO DE ALVENARIA

ALTA TENÇÃO SUBTERRÂNEA

PARQUÍMETRO

FERROVIA

TRANSIÇÃO ENTRE PAVIMENTOS

MURO GRADIL

BANCO DE PRAÇA

Planimetria: Sistema de Coordenadas TM-POA
Vinculado a Rede de Referência Municipal
Poligonal vinculada com GPS RTK

CONTRATADA

Rua Diário de Notícias, Nº 200 sala 2103 - CEP 90810-080 - POA / RS

Fone: (51) 3022-3477

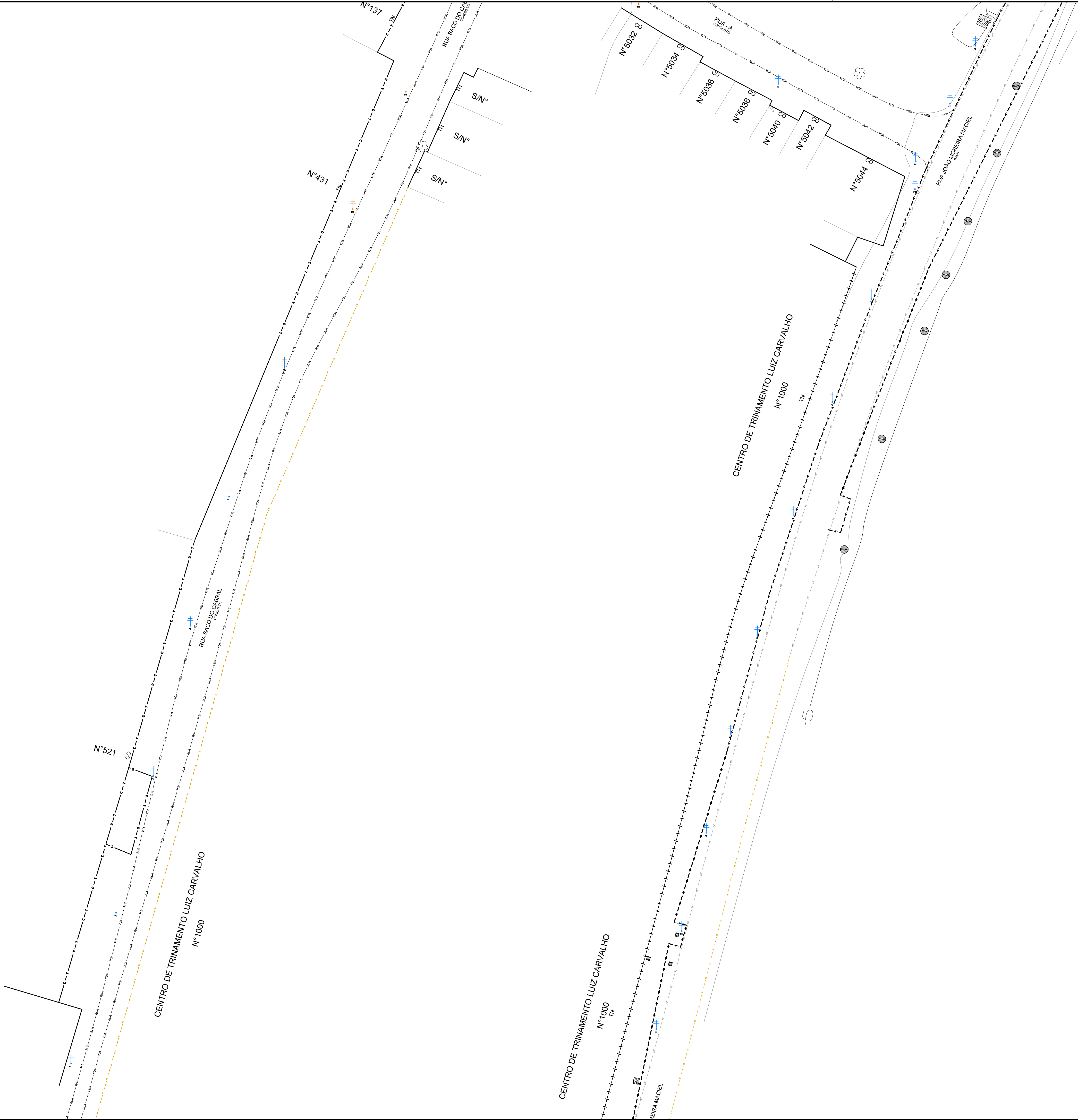
CLIENTE: DMAE - DEPARTAMENTO MUNICIPAL DE ÁGUA E ESGOTO

SERVIÇOS DE LEVANTAMENTOS TOPOGRÁFICOS E ACOMPANHAMENTO DE OBRAS

LOCALIDADE: PORTO ALEGRE - RUA JOÃO MOREIRA MACIEL	DATA: 31/08/2021
DEMANDA 57 - RUA JOÃO MOREIRA MACIEL E ADJACÊNCIAS	ESCALA: 1:500
TÍTULO DO DOCUMENTO: LEVANTAMENTO PLANALTIMÉTRICO	FOLHA:

RESP. TÉCNICO: ENG. WOLNEY MOREIRA DA COSTA - CREA 7626
ENG. DANIEL GALVANI DA COSTA - CREA 191691

06 / 12



LEGENDAS

MURO ALVENARIA		
BORDO CALÇADA		
MEIO FIO		
SINALIZAÇÃO NA PISTA		
ALINHAMENTO PREDIAL		
REDE PLUVIAL EXIST		
REDE CLOACAL EXIST		
GALERIA		
ADUTORA		
BORDO ASFALTO		

REGISTRO ÁGUA

POÇO DE VISITA - CALÇADA	
POÇO DE VISITA - RUA	
CAIXA CLOACAL	
BOCA DE LOBO	
CAIXA TAMPA CONCRETO	
CAIXA CLOACAL PASSEIO	
ARMÁRIO TELEFONE	
CAIXA TELEFONE	

TIPO DE PAVIMENTO

BASALTO	BA
LAGE GRES	LG
PISO CONCRETO	CO
CONCRETO BETUMINOSO	CBUQ
TERRENO NATURAL	TN
CONCRETO INTERTRAVADO	PAVS
LAJOTA CONCRETO	LJ-CO
LAJOTA CERÂMICA	LJ-CE

CONSTRUÇÃO DE ALVENARIA

COTAS SOLEIRAS	
CAIXA TELEFONE	
GRELHA	
HIDRANTE	
CAIXA INCÊNDIO	
POSTE DE MADEIRA	
POSTE DE CONCRETO	
POSTE DE FERRO	
LUMINÁRIA	

CONTROLOADOR DE VELOCIDADE

ÁRVORE VEGETAÇÃO	
CAIXA TELEFONE	
PARADA ÔNIBUS	
CONSTRUÇÃO DE ALVENARIA	
ALTA TENÇÃO SUBTERRÂNEA	
PARQUÍMETRO	
FERROVIA	
TRANSIÇÃO ENTRE PAVIMENTOS	
MURO GRADIL	
BANCO DE PRAÇA	

REFERÊNCIAS PLANIMÉTRICAS:

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DATUM SIRGAS 2000

Planimetria: Sistema de Coordenadas TM-POA
Vinculado a Rede de Referência Municipal
Poligonal vinculada com GPS RTK

CONTRATADA

Rua Diário de Notícias, N° 200 sala 2103 - CEP 90810-080 - POA / RS

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CLIENTE

DMAE - DEPARTAMENTO MUNICIPAL DE ÁGUA E ESGOTO

OBJETO

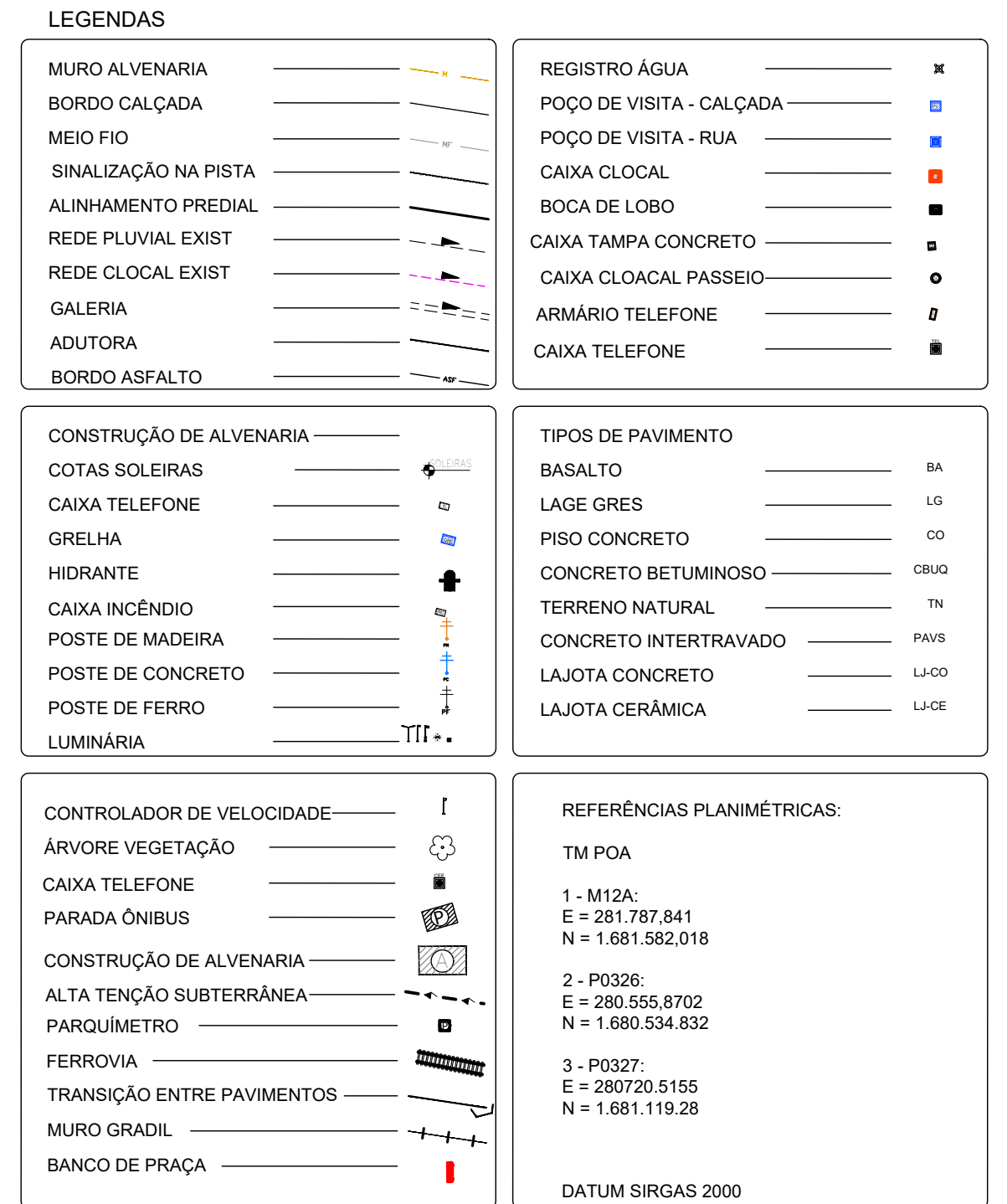
SERVIÇOS DE LEVANTAMENTOS TOPOGRÁFICOS E ACOMPANHAMENTO DE OBRAS

LOCALIDADE	PORTO ALEGRE - RUA JOÃO MOREIRA MACIEL	DATA	31/08/2021
ASSINADO	DEMANDA 57 - RUA JOÃO MOREIRA MACIEL E ADJACÊNCIAS	ESCALA	1:500
TÍTULO DO DOCUMENTO	LEVANTAMENTO PLANALTIMÉTRICO	FOLHA	07 / 12

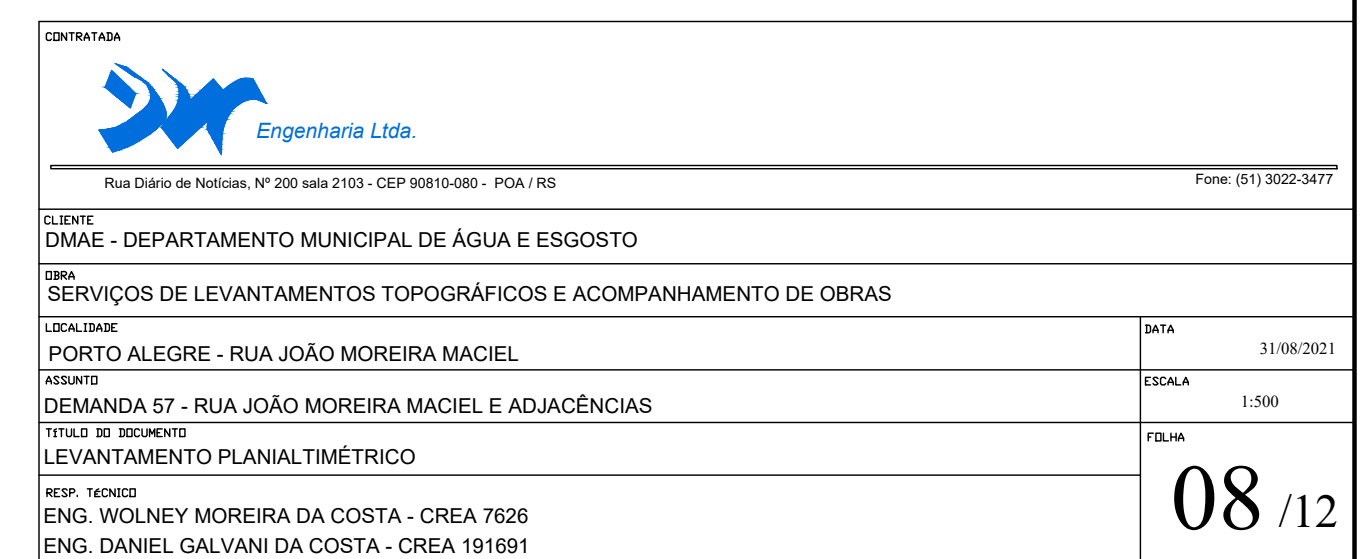
RESP. TÉCNICO

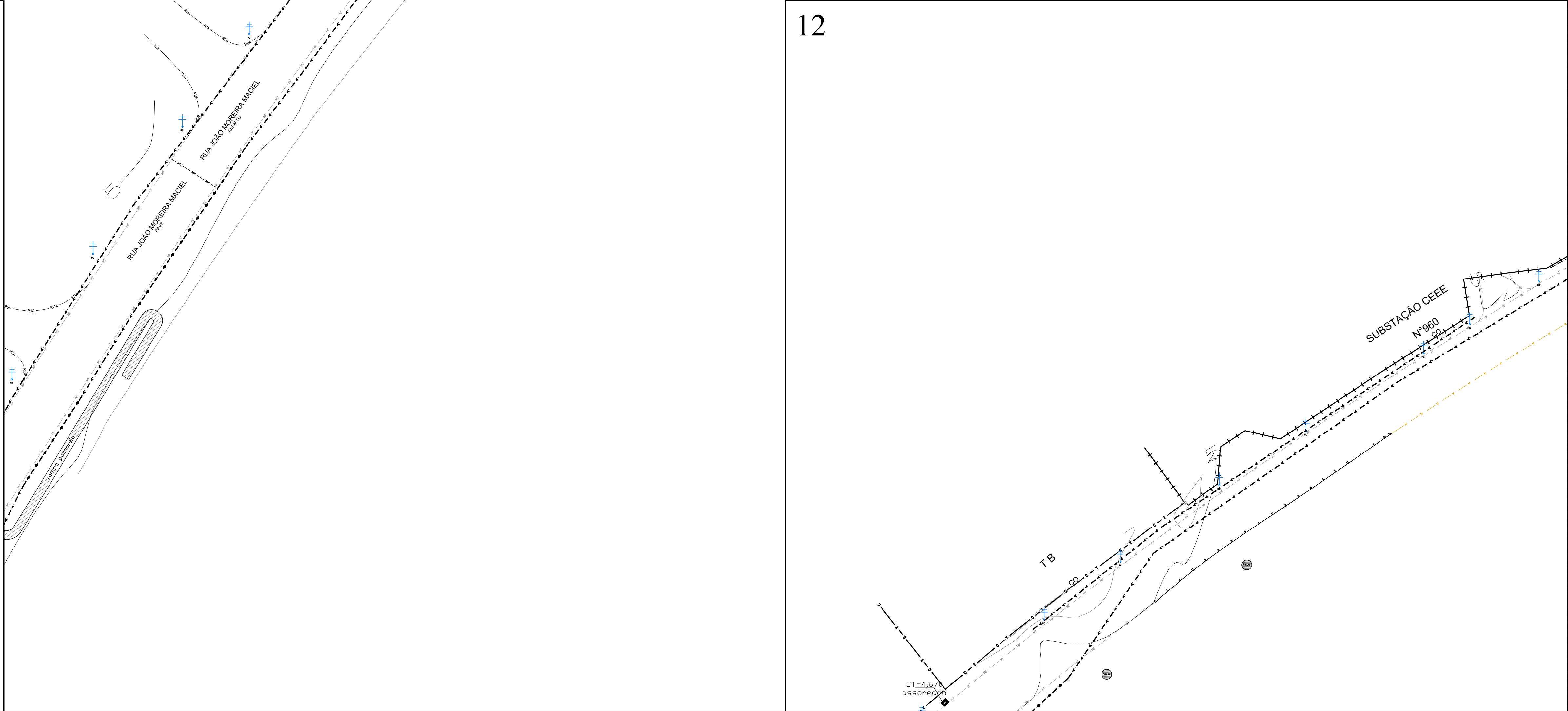
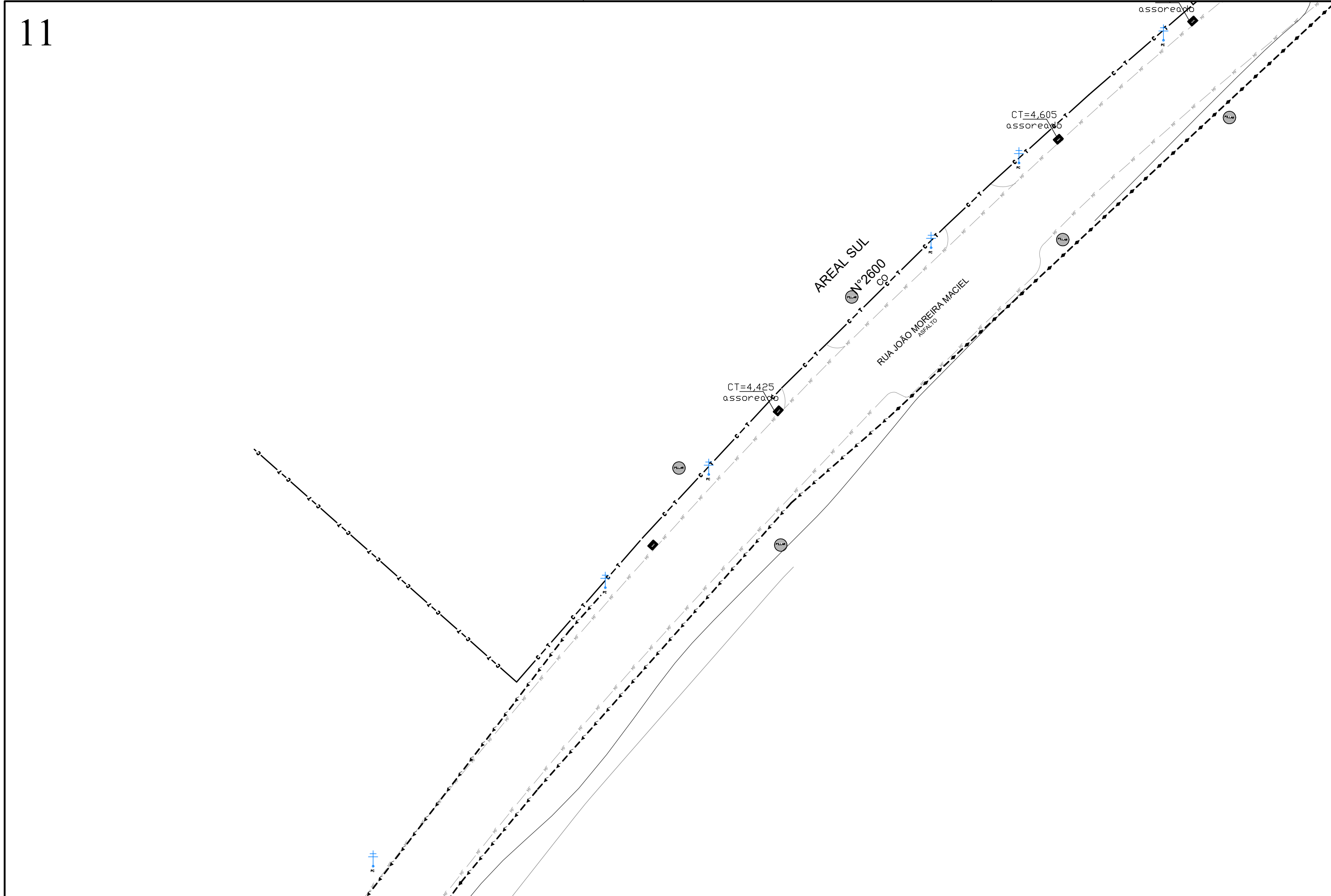
ENG. WOLNEY MOREIRA DA COSTA - CREA 7626

ENG. DANIEL GALVANI DA COSTA - CREA 191691



Planimetria: Sistema de Coordenadas TM-POA
Vinculado a Rede de Referência Municipal
Poligonal vinculada com GPS RTK





LEGENDAS

MURO ALVENARIA	
BORDO CALÇADA	
MEIO FIO	
SINALIZAÇÃO NA PISTA	
ALINHAMENTO PREDIAL	
REDE PLUVIAL EXIST	
REDE CLOACAL EXIST	
GALERIA	
ADUTORA	
BORDO ASFALTO	

REGISTRO ÁGUA

POÇO DE VISITA - CALÇADA	
POÇO DE VISITA - RUA	
CAIXA CLOACAL	
BOCA DE LOBO	
CAIXA TAMPA CONCRETO	
CAIXA CLOACAL PASSEIO	
ARMÁRIO TELEFONE	
CAIXA TELEFONE	

CONSTRUÇÃO DE ALVENARIA

COTAS SOLEIRAS	
CAIXA TELEFONE	
GRELHA	
HIDRANTE	
CAIXA INCÊNDIO	
POSTE DE MADEIRA	
POSTE DE CONCRETO	
POSTE DE FERRO	
LUMINÁRIA	

TIPOS DE PAVIMENTO

BASALTO	BA
LAGE GRES	LG
PISO CONCRETO	CO
CONCRETO BETUMINOSO	CBUQ
TERRENO NATURAL	TN
CONCRETO INTERTRAVADO	PAVS
LAJOTA CONCRETO	LJ-CO
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 Poligonal vinculada com GPS RTK

CONTRATADA

Rua Diário de Notícias, N° 200 sala 2103 - CEP 90810-080 - POA / RS

Fone: (51) 3022-3477

CLIENTE

DMAE - DEPARTAMENTO MUNICIPAL DE ÁGUA E ESGOSTO

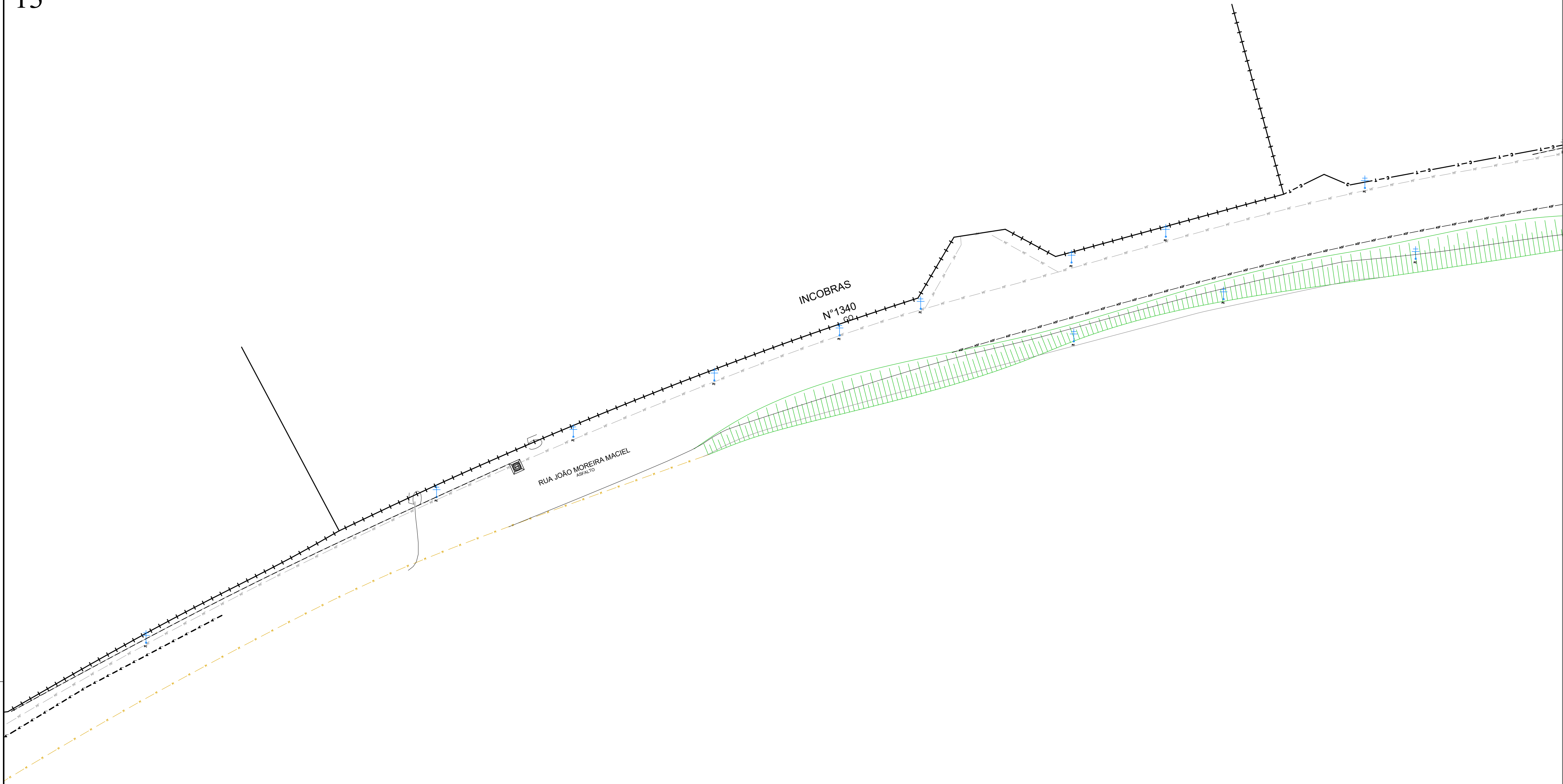
SERVIÇOS DE LEVANTAMENTOS TOPOGRÁFICOS E ACOMPANHAMENTO DE OBRAS

LOCALIDADE	PORTO ALEGRE - RUA JOÃO MOREIRA MACIEL	DATA	31/08/2021
ASSUNTO	DEMANDA 57 - RUA JOÃO MOREIRA MACIEL E ADJACÊNCIAS	ESCALA	1:500
TÍTULO DO DOCUMENTO	LEVANTAMENTO PLANALTIMÉTRICO	FOLHA	09 / 12

RESP. TÉCNICO

ENG. WOLNEY MOREIRA DA COSTA - CREA 7626

ENG. DANIEL GALVANI DA COSTA - CREA 191691



LEGENDAS

MURO ALVENARIA		
BORDO CALÇADA		
MEIO FIO		
SINALIZAÇÃO NA PISTA		
ALINHAMENTO PREDIAL		
REDE PLUVIAL EXIST		
REDE CLOACAL EXIST		
GALERIA		
ADUTORA		
BORDO ASFALTO		

REGISTRO ÁGUA

POÇO DE VISITA - CALÇADA

POÇO DE VISITA - RUA

CAIXA CLOACAL

BOCA DE LOBO

CAIXA TAMPA CONCRETO

CAIXA CLOACAL PASSEIO

ARMÁRIO TELEFONE

CAIXA TELEFONE

CONSTRUÇÃO DE ALVENARIA

COTAS SOLEIRAS

CAIXA TELEFONE

GRELHA

HIDRANTE

CAIXA INCÊNDIO

POSTE DE MADEIRA

POSTE DE CONCRETO

POSTE DE FERRO

LUMINÁRIA

TIPOS DE PAVIMENTO

BASALTO

LAGE GRES

PISO CONCRETO

CONCRETO BETUMINOSO

TERRENO NATURAL

CONCRETO INTERTRAVADO

LAJOTA CONCRETO

LAJOTA CERÂMICA

CONTROADOR DE VELOCIDADE

ÁRVORE VEGETAÇÃO

CAIXA TELEFONE

PARADA ÔNIBUS

CONSTRUÇÃO DE ALVENARIA

ALTA TENÇÃO SUBTERRÂNEA

PARQUÍMETRO

FERROVIA

TRANSIÇÃO ENTRE PAVIMENTOS

MURO GRADIL

BANCO DE PRAÇA

REFERÊNCIAS PLANIMÉTRICAS:

TM POA

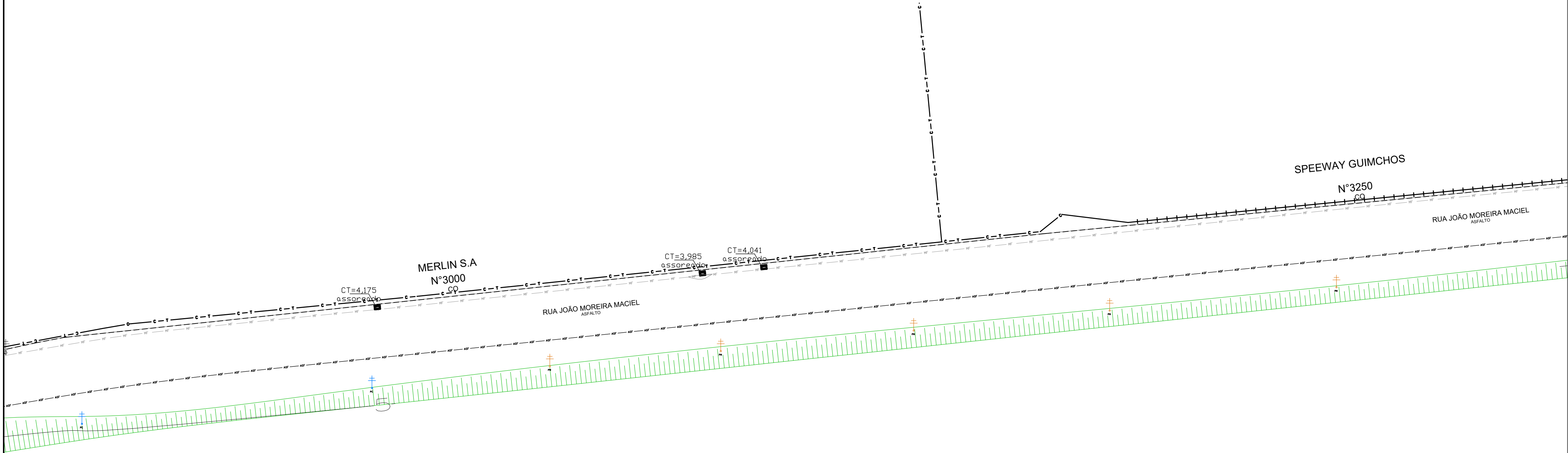
1 - M12A:
E = 281.787,841
N = 1.681.562,018

2 - P0326:
E = 280.555,8702
N = 1.680.534,832

3 - P0327:
E = 280720,5155
N = 1.681.119,28

DATUM SIRGAS 2000

Planimetria: Sistema de Coordenadas TM-POA
Vinculado a Rede de Referência Municipal
Poligonal vinculada com GPS RTK



CONTRATADA

 Engenharia Ltda.

Rua Diário de Notícias, N° 200 sala 2103 - CEP 90810-080 - POA / RS

Fone: (51) 3022-3477

CLIENTE

DMAE - DEPARTAMENTO MUNICIPAL DE ÁGUA E ESGOTO

OBJETO

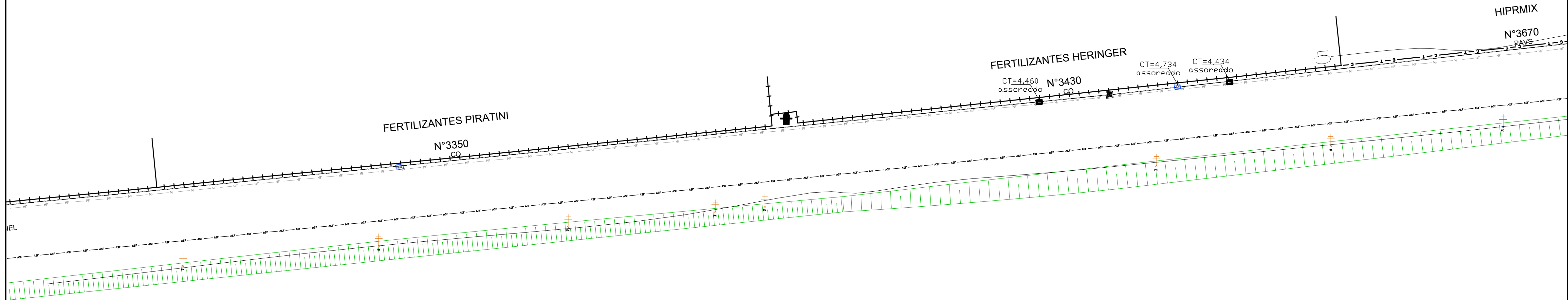
SERVIÇOS DE LEVANTAMENTOS TOPOGRÁFICOS E ACOMPANHAMENTO DE OBRAS

LOCALIDADE	PORTO ALEGRE - RUA JOÃO MOREIRA MACIEL	DATA	31/08/2021
ASSINADO	DEMANDA 57 - RUA JOÃO MOREIRA MACIEL E ADJACÊNCIAS	ESCALA	1:500
TÍTULO DO DOCUMENTO	LEVANTAMENTO PLANIALTIMÉTRICO	FOLHA	10 / 12

RESP. TÉCNICO

ENG. WOLNEY MOREIRA DA COSTA - CREA 7626

ENG. DANIEL GALVANI DA COSTA - CREA 191691



LEGENDAS

MURO ALVENARIA		
BORDO CALÇADA		
MEIO FIO		
SINALIZAÇÃO NA PISTA		
ALINHAMENTO PREDIAL		
REDE PLUVIAL EXIST		
REDE CLOCAL EXIST		
GALERIA		
ADUTORA		
BORDO ASFALTO		

REGISTRO ÁGUA

POÇO DE VISITA - CALÇADA	
POÇO DE VISITA - RUA	
CAIXA CLOCAL	
BOCA DE LOBO	
CAIXA TAMPA CONCRETO	
CAIXA CLOCAL PASSEIO	
ARMÁRIO TELEFONE	
CAIXA TELEFONE	

CONSTRUÇÃO DE ALVENARIA

COTAS SOLEIRAS	
CAIXA TELEFONE	
GRELHA	
HIDRANTE	
CAIXA INCÊNDIO	
POSTE DE MADEIRA	
POSTE DE CONCRETO	
POSTE DE FERRO	
LUMINÁRIA	

TIPOS DE PAVIMENTO

BASALTO	BA
LAGE GRES	LG
PISO CONCRETO	CO
CONCRETO BETUMINOSO	CBUQ
TERRENO NATURAL	TN
CONCRETO INTERTRAVADO	PAVS
LAJOTA CONCRETO	LJ-CO
LAJOTA CERÂMICA	LJ-CE

REFERÊNCIAS PLANIMÉTRICAS:

TM POA

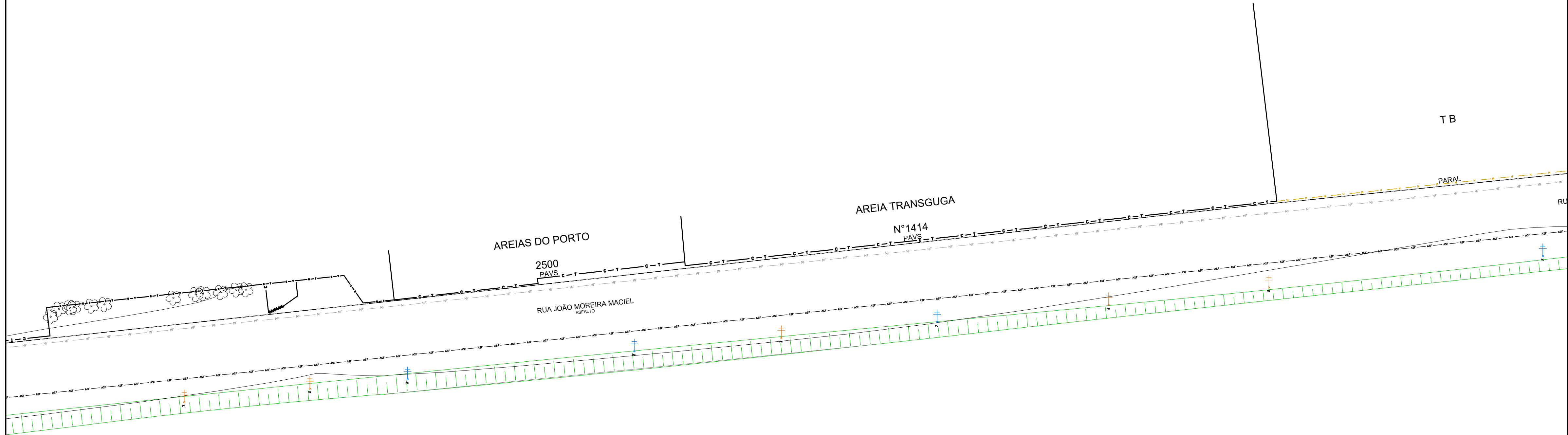
1 - M12A:
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N = 1.681.562,018

2 - P0326:
E = 280.555,8702
N = 1.680.534,832

3 - P0327:
E = 280.720,5155
N = 1.681.119,28

DATUM SIRGAS 2000

Planimetria: Sistema de Coordenadas TM-POA
Vinculado a Rede de Referência Municipal
Poligonal vinculada com GPS RTK



CONTRATADA

Rua Diário de Notícias, Nº 200 sala 2103 - CEP 90810-080 - POA / RS

Fone: (51) 3022-3477

CLIENTE

DMAE - DEPARTAMENTO MUNICIPAL DE ÁGUA E ESGOTO

OBJETO

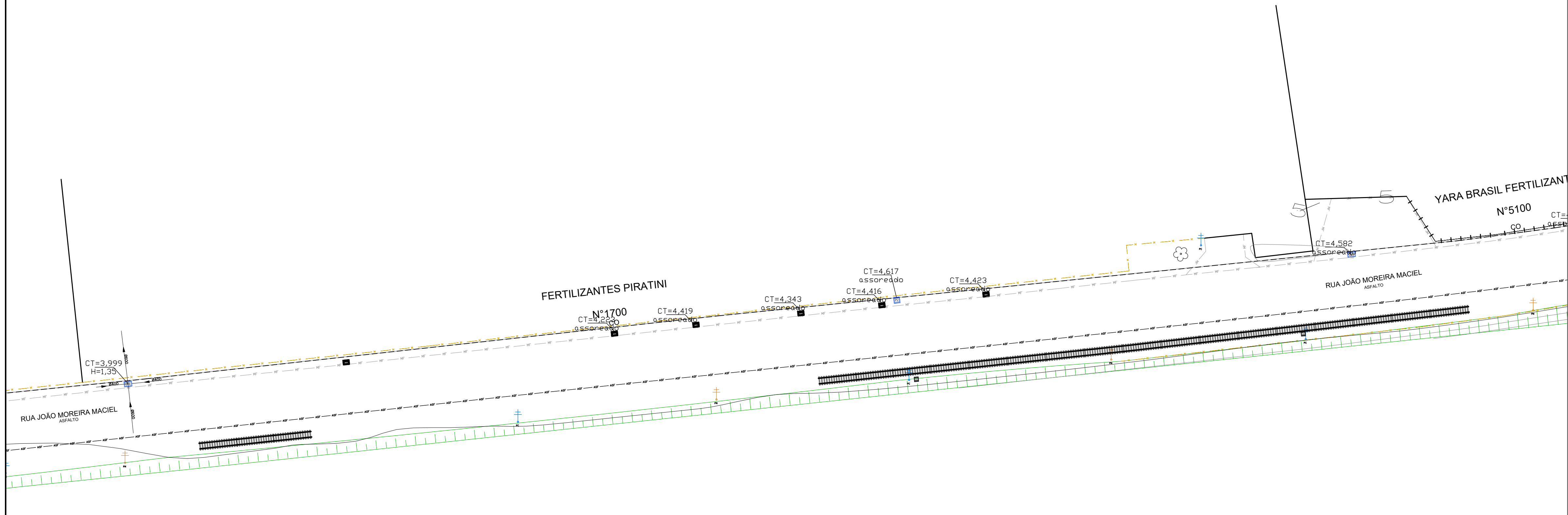
SERVIÇOS DE LEVANTAMENTOS TOPOGRÁFICOS E ACOMPANHAMENTO DE OBRAS

LOCALIDADE	PORTO ALEGRE - RUA JOÃO MOREIRA MACIEL	DATA	31/08/2021
ASSENTO	DEMANDA 57 - RUA JOÃO MOREIRA MACIEL E ADJACÊNCIAS	ESCALA	1:500
TÍTULO DO DOCUMENTO	LEVANTAMENTO PLANALTIMÉTRICO	FOLHA	11 / 12

RESP. TÉCNICO

ENG. WOLNEY MOREIRA DA COSTA - CREA 7626

ENG. DANIEL GALVANI DA COSTA - CREA 191691



LEGENDAS

MURO ALVENARIA		REGISTRO ÁGUA	
BORDO CALÇADA		POÇO DE VISITA - CALÇADA	
MEIO FIO		POÇO DE VISITA - RUA	
SINALIZAÇÃO NA PISTA		CAIXA CLOCAL	
ALINHAMENTO PREDIAL		BOCA DE LOBO	
REDE PLUVIAL EXIST		CAIXA TAMPA CONCRETO	
REDE CLOCAL EXIST		CAIXA CLOCAL PASSEIO	
GALERIA		ARMÁRIO TELEFONE	
ADUTORA		CAIXA TELEFONE	
BORDO ASFALTO			

CONSTRUÇÃO DE ALVENARIA

COTAS SOLEIRAS	
CAIXA TELEFONE	
GRELHA	
HIDRANTE	
CAIXA INCÊNDIO	
POSTE DE MADEIRA	
POSTE DE CONCRETO	
POSTE DE FERRO	
LUMINÁRIA	

TIPOS DE PAVIMENTO

BASALTO	BA
LAGE GRES	LG
PISO CONCRETO	CO
CONCRETO BETUMINOSO	CBUQ
TERRENO NATURAL	TN
CONCRETO INTERTRAVADO	PAVS
LAJOTA CONCRETO	LJ-CO
LAJOTA CERÂMICA	LJ-CE

REFERÊNCIAS PLANIMÉTRICAS:

TM POA

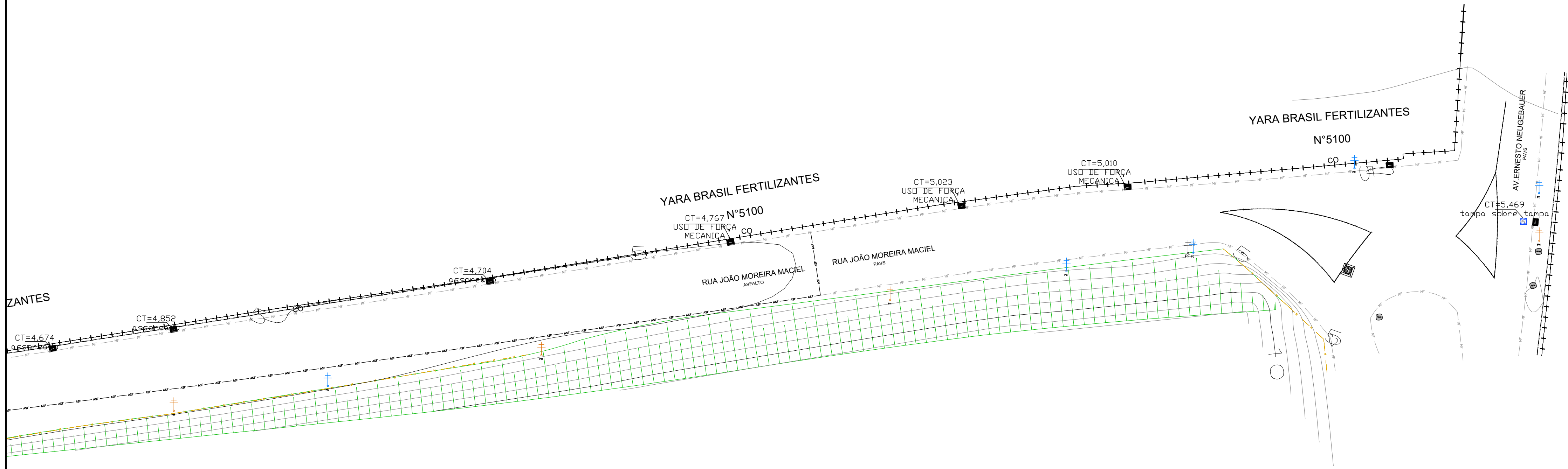
1 - M12A:
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E = 280.555,8702
N = 1.680.534,832

3 - P0327:
E = 280.720,5155
N = 1.681.119,28

DATUM SIRGAS 2000

Planimetria: Sistema de Coordenadas TM-POA
Vinculado a Rede de Referência Municipal
Poligonal vinculada com GPS RTK



CONTRATADA

Rua Diário de Notícias, Nº 200 sala 2103 - CEP 90810-080 - POA / RS

Fone: (51) 3022-3477

CLIENTE: DMAE - DEPARTAMENTO MUNICIPAL DE ÁGUA E ESGOTO

OBJETO: SERVIÇOS DE LEVANTAMENTOS TOPOGRÁFICOS E ACOMPANHAMENTO DE OBRAS

LOCALIDADE: PORTO ALEGRE - RUA JOÃO MOREIRA MACIEL	DATA: 31/08/2021
DEMANDA: 57 - RUA JOÃO MOREIRA MACIEL E ADJACÊNCIAS	ESCALA: 1:500
TÍTULO DO DOCUMENTO: LEVANTAMENTO PLANALTIMÉTRICO	FOLHA:

RESP. TÉCNICO: ENG. WOLNEY MOREIRA DA COSTA - CREA 7626
ENG. DANIEL GALVANI DA COSTA - CREA 191691

12 / 12



Engenharia Ltda.

COORDENADAS GEODÉSICAS



Engenharia Ltda.

M12A

[Monografia](#)

COORDENADAS GEODÉSICAS

Latitude 29°59'05,6418"S

Longitude 51°11'19,4139"O

Altitude elipsoidal: 9,22m

PROJEÇÕES CARTOGRÁFICAS

TM-POA

N 1.681.562,018m

E 281.787,841m

UTM

N 6.682.872,808m

E 481.795,034m

DADOS ALTIMÉTRICOS

Altitude ortométrica: 4,1434m





Engenharia Ltda.

P0326

[Monografia](#)

COORDENADAS GEODÉSICAS

Latitude 29°59'38.93224"S

Longitude 51°12'5.44032"O

Altitude elipsoidal: 7.3191m

PROJEÇÕES CARTOGRÁFICAS

TM-POA

N 1680534.832m

E 280555.8702m

UTM

N 6681846.027m

E 480563.5507m





Engenharia Ltda.

P0327

Monografia

COORDENADAS GEODÉSICAS

Latitude 29°59'19.96129"S

Longitude 51°11'59.2596"O

Altitude elipsoidal: 7.6134m

PROJEÇÕES CARTOGRÁFICAS

TM-POA

N 1681119.28m

E 280720.5155m

UTM

N 6682430.244m

E 480728.1309m





Engenharia Ltda.

RELAÇÃO DOS PONTOS LEVANTADOS



	RELAÇÃO DOS PONTOS LEVANTADO			
P. Visado	Descrição	Coord. E(X)	Coord. N(Y)	Cota Z
1	ALA	280517,703	1681908,331	1,412
2	ALA	280520,2686	1681906,934	1,544
3	ALA	280521,079	1681911,765	3,566
4	ALA	280444,6105	1681686,865	2,801
5	ALA	280444,8203	1681687,963	2,819
6	ALA	280443,5037	1681688,932	2,124
7	ALA	280389,1726	1681542,519	2,15
8	ALA	280393,0982	1681557,544	2,402
9	ALA	280404,3528	1681588,78	2,401
10	ALA	280420,2272	1681622,273	2,279
11	ALA	280430,1645	1681645,738	2,189
12	ALP	282850,8097	1683289,109	5,252
13	ALP	282812,7485	1683284,834	5,27
14	ALP	282838,9367	1683288,383	5,228
15	ALP	282615,2441	1683254,421	4,829
16	ALP	282609,4276	1683263,52	5,087
17	ALP	282589,2016	1683261,265	5,087
18	ALP	282590,5472	1683252,343	3,379
19	ALP	282578,9409	1683251,151	3,023
20	ALP	282753,8876	1683275,255	4,982
21	ALP	282725,3361	1683270,672	4,942
22	ALP	282688,2831	1683265,324	5,045
23	ALP	282627,4586	1683255,789	4,835
24	ALP	282578,8892	1683251,135	4,569
25	ALP	282553,3543	1683248,444	4,682
26	ALP	282552,8482	1683253,646	4,807
27	ALP	282460,007	1683238,512	4,746
28	ALP	282411,5825	1683233,26	4,483
29	ALP	282123,5038	1683202,071	4,483
30	ALP	282123,357	1683203,063	4,477
31	ALP	282088,1548	1683198,144	4,958
32	ALP	282084,555	1683203,304	4,722
33	ALP	282074,9316	1683199,557	4,88
34	ALP	282069,047	1683196,164	4,854
35	ALP	282061,1397	1683201,188	5,075
36	ALP	282024,2069	1683197,213	5,332
37	ALP	282024,906	1683191,48	4,874
38	ALP	281609,0632	1683149,123	4,396
39	ALP	281626,7914	1683150,977	4,422
40	ALP	281613,3967	1683152,598	4,39
41	ALP	281419,8751	1683129,601	4,531
42	ALP	281425,2147	1683130,514	4,484
43	ALP	281351,6872	1683119,952	4,503
44	ALP	281356,7422	1683117,783	4,567
45	ALP	281483,331	1683136,081	4,267
46	ALP	281269,4846	1683094,903	4,721
47	ALP	281276,7774	1683107,231	4,63
48	ALP	281287,1545	1683108,839	4,532



49	ALP	281297,3467	1683103,318	4,563
50	ALP	281168,9652	1683055,631	4,987
51	ALP	281189,4124	1683064,743	5,004
52	ALP	281232,3637	1683082,006	4,945
53	ALP	281254,3072	1683089,876	4,824
54	ALP	281144,166	1683043,166	5,179
55	ALP	281127,2049	1683034,402	5,23
56	ALP	281121,7247	1683031,576	5,255
57	ALP	281107,876	1683024,062	5,26
58	ALP	281085,2965	1683011,17	5,342
59	ALP	281068,4866	1683008,961	5,221
60	ALP	281069,6613	1683001,561	5,242
61	ALP	281051,1716	1682989,782	5,22
62	ALP	281031,5399	1682976,696	5,199
63	ALP	281024,4032	1682978,36	5,036
64	ALP	281019,3985	1682975,061	5,08
65	ALP	281018,8364	1682967,604	5,291
66	ALP	281012,9508	1682963,359	2,896
67	ALP	280988,3268	1682945,971	2,96
68	ALP	280977,4472	1682937,398	2,773
69	ALP	280963,9449	1682926,134	4,858
70	ALP	280947,3052	1682911,728	4,827
71	ALP	280931,5999	1682897,595	4,855
72	ALP	280924,2102	1682890,53	4,801
73	ALP	280875,8973	1682840,841	4,635
74	ALP	280716,2654	1682598,105	4,06
75	ALP	280695,8626	1682608,732	4,334
76	ALP	280697,3288	1682611,298	4,189
77	ALP	280690,3317	1682615,124	4,177
78	ALP	280688,9996	1682612,476	4,158
79	ALP	280681,5884	1682616,433	3,984
80	ALP	280593,6915	1682604,37	3,496
81	ALP	280592,9902	1682604,726	3,529
82	ALP	280603,0628	1682624,823	3,516
83	ALP	280606,6572	1682625,943	3,569
84	ALP	280585,0685	1682627,848	3,366
85	ALP	280554,6791	1682554,882	3,233
86	ALP	280552,4379	1682511,394	3,917
87	ALP	280517,0045	1682446,318	3,21
88	ALP	280523,0218	1682444,062	3,38
89	ALP	280478,6077	1682232,434	4,041
90	ALP	280476,8121	1682234,882	4,044
91	ALP	280486,8625	1682275,592	4,175
92	ALP	280499,5811	1682324,343	3,977
93	ALP	280477,827	1682218,269	3,788
94	ALP	280457,0637	1682226,187	3,521
95	ALP	280586,2768	1682220,804	4,055
96	ALP	280593,0213	1682239,698	4,189
97	ALP	280597,5274	1682238,121	4,134
98	ALP	280607,037	1682264,634	4,124
99	ALP	280619,7851	1682284,626	4,131
100	ALP	280607,9486	1682278,93	4,092



101	ALP	280606,7948	1682278,255	4,08
102	ALP	280602,4806	1682266,478	4,021
103	ALP	280680,0043	1682507,945	3,851
104	ALP	280675,7955	1682496,202	3,911
105	ALP	280659,1203	1682433,606	3,928
106	ALP	280651,8695	1682406,235	3,847
107	ALP	280631,5503	1682329,939	4,113
108	ALP	280509,3971	1681899,841	2,134
109	ALP	280512,9718	1681915,924	3,197
110	ALP	280493,7663	1681823,013	3,574
111	ALP	280491,3474	1681818,521	3,334
112	ALP	280490,731	1681818,678	3,333
113	ALP	280485,6455	1681810,108	3,319
114	ALP	280268,2313	1681066,45	3,368
115	ALP	280254,7679	1681031,29	3,452
116	ALP	280248,8984	1681005,084	3,186
117	ALP	280227,6527	1680885,354	2,879
118	ALP	280224,232	1680873,083	2,913
119	ALP	280108,3003	1680465,101	3,679
120	ALP	280100,3325	1680470,539	3
121	ALP	280101,9855	1680474,392	3,223
122	ALP	280111,2516	1680474,641	3,528
123	ALP	280074,5118	1680343,203	4,013
124	ALP	280063,1191	1680308,549	3,846
125	ALP	280050,3308	1680274,434	3,835
126	ALP	280045,1027	1680261,345	3,839
127	ALP	280031,7041	1680220,171	3,725
128	ALP	280015,4695	1680147,937	3,755
129	ALT	280869,272	1682831,714	4,512
130	ALT	280864,1639	1682825,993	4,508
131	ALT	280800,1287	1682741,885	4,396
132	ALT	280777,5147	1682706,057	4,174
133	ALT	280760,6332	1682677,293	4,178
134	ALT	280777,8693	1682685,232	4,045
135	ALT	280789,2054	1682702,524	4,316
136	ALT	280800,1775	1682720,312	4,246
137	ALT	280822,9275	1682753,819	4,53
138	ALT	280834,9699	1682769,635	4,522
139	ALT	280846,9226	1682785,86	4,541
140	ALT	280859,198	1682800,746	4,594
141	ALT	280899,6696	1682846,465	4,724
142	ALT	280915,3209	1682860,21	4,653
143	ALT	280699,7712	1682506,713	3,552
144	ALT	280702,3484	1682515,294	3,612
145	ALT	280699,674	1682516,264	3,484
146	ALT	280696,5942	1682507,395	3,426
147	ALT	280707,838	1682565,734	3,641
148	ALT	280721,6257	1682599,94	3,894
149	ALT	280696,6195	1682507,389	3,443
150	ALT	280707,6959	1682537,25	3,558
151	ALT	280715,1229	1682556,323	3,584
152	ALT	280722,5173	1682574,787	3,637



153	ALT	280740,1327	1682639,075	3,898
154	ALT	280603,487	1682203,574	3,673
155	ALT	280591,5213	1682159,026	3,522
156	ALT	280620,8825	1682263,719	3,464
157	ALT	280632,5585	1682305,863	3,833
158	ALT	280579,9488	1682115,971	3,653
159	ALT	280568,5713	1682074,209	3,638
160	ALT	280556,8798	1682031,579	3,592
161	ALT	280693,8224	1682528,59	3,526
162	ALT	280681,4839	1682490,884	3,557
163	ALT	280670,6711	1682450,681	3,589
164	ALT	280660,1772	1682405,853	3,593
165	ALT	280658,6668	1682400,205	3,692
166	ALT	280657,05	1682406,642	3,703
167	ALT	280655,702	1682401,118	3,705
168	ALT	280646,1268	1682354,332	3,681
169	ALT	280530,8811	1681933,516	3,875
170	ALT	280532,5269	1681940,35	3,954
171	ALT	280545,0179	1681988,485	3,742
172	ALT	280539,7752	1681965,686	3,596
173	ALT	280536,1575	1681939,457	3,686
174	ALT	280534,0582	1681932,598	3,65
175	ALT	280501,5864	1681835,219	3,838
176	ALT	280493,9418	1681814,315	3,79
177	ALT	280492,2263	1681804,631	3,849
178	ALT	280489,6807	1681793,471	3,831
179	ALT	280486,7603	1681781,755	3,794
180	ALT	280484,1553	1681771,053	3,763
181	ALT	280477,8132	1681747,727	3,673
182	ALT	280471,8954	1681724,441	3,541
183	ALT	280465,8929	1681701,715	3,419
184	ALT	280462,6908	1681689,962	3,361
185	ALT	280453,7315	1681659,088	3,124
186	ALT	280441,3815	1681614,338	2,953
187	ALT	280418,2146	1681544,175	3,052
188	ALT	280429,1662	1681579,426	3,042
189	ALT	280441,379	1681614,218	2,972
190	ALT	280413,5228	1681508,937	3,18
191	ALT	280385,5883	1681416,295	3,075
192	ALT	280370,7167	1681377,344	3,244
193	ALT	280354,292	1681337,024	3,393
194	ALT	280321,5473	1681197,26	3,109
195	ALT	280319,9096	1681186,044	3,128
196	ALT	280317,6338	1681176,153	3,132
197	ALT	280315,6244	1681165,651	3,086
198	ALT	280312,7763	1681154,117	3,071
199	ALT	280300,4933	1681111,205	3,049
200	ALT	280294,0469	1681096,067	3,275
201	ALT	280286,7935	1681074,894	3,016
202	ALT	280280,3381	1681063,729	2,957
203	ALT	280277,605	1681058,629	2,929
204	ALT	280246,4245	1680908,344	2,933



205	ALT	280252,1772	1680935,662	3,07
206	ALT	280227,1993	1680872,97	2,842
207	ALT	280221,6688	1680861,996	2,837
208	ALT	280236,0625	1680889,831	2,753
209	ALT	280241,2898	1680900,111	2,728
210	ALT	280202,815	1680787,952	2,881
211	ALT	280191,1184	1680742,189	3,082
212	ALT	280179,055	1680700,125	3,122
213	ALT	280167,1536	1680659,174	2,773
214	ALT	280156,4385	1680616,675	2,892
215	ALT	280153,7042	1680617,52	2,878
216	ALT	280150,766	1680607,144	2,936
217	ALT	280153,3624	1680606,367	2,971
218	ALT	280139,2641	1680567,035	3,208
219	ALT	280128,3043	1680529,359	3,227
220	ALT	280116,8156	1680491,043	3,54
221	ALT	280127,5682	1680508,218	3,533
222	ALT	280103,6696	1680430,406	3,696
223	ALT	280097,7554	1680410,353	3,726
224	ALT	280094,4218	1680411,239	3,835
225	ALT	280083,4535	1680372,372	3,943
226	ALT	280083,3669	1680359,503	3,833
227	ALT	280074,2071	1680331,351	3,842
228	ALT	280068,5671	1680315,925	3,819
229	ALT	280086,7986	1680371,614	3,814
230	ALT	280011,4761	1680121,582	3,533
231	ALT	280019,3284	1680155,635	3,583
232	ALT	280025,2959	1680164,173	3,247
233	ALT	280026,6126	1680178,41	3,27
234	ALT	280029,6144	1680192,644	3,313
235	ALT	280034,078	1680210,397	3,335
236	ALT	280043,505	1680246,249	3,419
237	ALT	280049,5114	1680264,16	3,43
238	ALT	280055,9699	1680282,269	3,54
239	ALT	280062,6566	1680299,51	3,692
240	ALT	281086,0332	1683006,886	5,215
241	ALT	281101,2177	1683016,136	5,158
242	ALT	281055,0672	1682988,123	5,081
243	ALT	281128,5949	1683030,653	5,142
244	ALT	281007,6949	1682958,99	4,787
245	ALT	280981,6519	1682938,257	4,986
246	ALT	281005,8785	1682953,582	4,913
247	ARV	282563,8373	1683251,901	6,648
248	ARV	282064,4854	1683200,833	6,944
249	ARV	282062,5578	1683200,781	6,983
250	ARV	282059,3716	1683200,275	5,844
251	ARV	282055,8534	1683200,051	5,484
252	ARV	282054,373	1683199,866	5,662
253	ARV	282049,8304	1683199,167	5,547
254	ARV	282035,9079	1683197,825	5,984
255	ARV	282033,2762	1683197,53	6,382
256	ARV	282029,6634	1683197,242	6,391



257	ARV	282028,8905	1683197,176	6,404
258	ARV	282026,7398	1683196,937	6,641
259	ARV	282025,03	1683195,362	6,652
260	ARV	280670,697	1682626,588	3,8
261	ARV	280704,6235	1682624,659	4,124
262	ARV	280655,4994	1682739,99	6,246
263	ARV	280592,3765	1682605,932	3,25
264	ARV	280220,257	1680849,021	2,534
265	ARV	280215,4068	1680830,483	2,413
266	ARV	280181,9897	1680718,644	2,768
267	ARV	280165,0469	1680622,876	3,38
268	ARV	280140,3574	1680562,159	4,873
269	ARV	280144,9317	1680566,667	5,123
270	ARV	280144,3151	1680571,567	4,995
271	ARV	280655,2199	1682737,776	4,284
272	ARV	280655,4994	1682739,99	4,284
273	ARV	280653,5023	1682739,198	4,284
274	ARV	280652,3513	1682737,524	4,284
275	ARV	280651,3801	1682735,694	4,284
276	ARV	280651,2136	1682733,088	4,284
277	ARV	280648,3832	1682734,474	4,284
278	ARV	280647,446	1682730,777	4,284
279	ATL	280324,9254	1681212,31	3,302
280	ATL	280329,5231	1681251,401	3,143
281	AUX	282603,0731	1683238,999	4,885
282	AUX	282422,8885	1683218,114	4,706
283	AUX	282583,2045	1683248,335	4,658
284	AUX	282081,3721	1683183,696	5,015
285	AUX	282393,2022	1683230,515	4,427
286	AUX	281605,6699	1683147,049	4,336
287	AUX	281605,6751	1683147,02	4,325
288	AUX	281286,5051	1683097,045	4,575
289	AUX	281079,8652	1683007,446	5,042
290	AUX	280979,8764	1682923,006	5,1
291	AUX	280811,6029	1682758,31	4,385
292	AUX	280726,4383	1682617,413	4,493
293	AUX	280659,5886	1682405,49	3,798
294	AUX	280618,5122	1682686,816	3,983
295	AUX	280585,4989	1682616,338	3,449
296	AUX	280689,1653	1682773,774	3,823
297	AUX	280536,469	1682478,385	3,312
298	AUX	280468,6772	1682223,419	3,908
299	AUX	280607,4645	1682213,482	3,605
300	AUX	280562,1532	1682004,472	4,135
301	AUX	280607,3935	1682213,464	3,605
302	AUX	280520,1639	1681913,054	3,665
303	AUX	280452,5674	1681684,346	3,275
304	AUX	280398,7882	1681549,785	2,49
305	AUX	280387,0187	1681420,497	3,211
306	AUX	280330,5166	1681273,48	3,023
307	AUX	280295,7112	1681115,401	3,077
308	AUX	280228,5466	1680878,396	2,834



309	AUX	280241,8252	1680950,439	2,909
310	AUX	280240,5346	1680939,332	2,854
311	AUX	280164,9943	1680574,554	4,694
312	AUX	280085,9544	1680375,672	3,931
313	AUX	280164,9932	1680574,553	4,719
314	AUX	280027,9788	1680198,832	3,621
315	AUX	280025,2374	1680115,081	3,634
316	BL	282925,2551	1683281,646	5,318
317	BL	282870,2137	1683275,622	4,993
318	BL	282887,1198	1683258,894	4,929
319	BL	282898,2111	1683291,923	4,973
320	BL	282848,7265	1683287,777	5,01
321	BL	282817,4146	1683284,221	5,023
322	BL	282773,8123	1683277,348	4,767
323	BL	282728,3666	1683269,945	4,704
324	BL	282645,7979	1683257,297	4,674
325	BL	282668,6311	1683260,914	4,852
326	BL	282728,3568	1683269,969	4,682
327	BL	282524,5372	1683243,258	4,423
328	BL	282487,1336	1683239,444	4,343
329	BL	282449,4842	1683235,336	4,223
330	BL	282465,9441	1683237,116	4,419
331	BL	282395,283	1683229,541	4,215
332	BL	281952,7502	1683182,374	4,434
333	BL	281914,272	1683178,353	4,46
334	BL	281540,9668	1683140,266	3,985
335	BL	281553,3596	1683141,512	4,041
336	BL	281510,8277	1683137,121	4,146
337	BL	281475,3666	1683133,446	4,175
338	BL	280942,6626	1682904,314	4,602
339	BL	280964,1695	1682923,193	4,67
340	BL	280897,904	1682860,92	4,425
341	BL	280877,8643	1682839,413	4,376
342	BL	280557,6228	1682032,801	3,383
343	BL	280622,5119	1682266,393	3,189
344	BL	280546,3208	1681991,74	3,665
345	BL	280540,508	1681970,881	3,723
346	BL	280536,253	1681954,287	3,783
347	BL	280531,8821	1681936,341	3,767
348	BL	280520,7621	1681898,204	3,768
349	BL	280513,2845	1681872,643	3,858
350	BL	280504,4881	1681846,937	3,938
351	BL	280489,0677	1681802,984	3,63
352	BL	280475,2502	1681762,74	3,374
353	BL	280463,6217	1681723,54	3,251
354	BL	280453,5844	1681687,447	3,128
355	BL	280439,0527	1681644,677	2,587
356	BL	280427,4096	1681616,191	2,469
357	BL	280413,896	1681584,984	2,332
358	BL	280405,1055	1681512,87	2,976
359	BL	280400,2584	1681481,798	2,962
360	BL	280392,1893	1681483,814	2,812



361	BL	280382,7655	1681447,963	2,923
362	BL	280366,7619	1681407,203	2,919
363	BL	280354,21	1681375,618	2,91
364	BL	280342,9576	1681347,192	2,917
365	BL	280392,9298	1681443,366	2,864
366	BL	280378,2032	1681406,072	2,875
367	BL	280364,4134	1681371,027	2,882
368	BL	280353,5294	1681343,861	2,876
369	BL	280338,8475	1681306,746	2,895
370	BL	280327,0187	1681266,762	2,757
371	BL	280325,0613	1681241,107	2,853
372	BL	280326,3464	1681241,057	3,123
373	BL	280324,4347	1681215,272	3,013
374	BL	280313,1788	1681207,284	2,943
375	BL	280311,6924	1681186,639	2,798
376	BL	280293,2669	1681107,442	2,869
377	BL	280270,609	1681035,909	2,751
378	BL	280241,9388	1680947,318	2,652
379	BL	280252,1594	1680941,554	2,675
380	BL	280234,4158	1680907,249	2,604
381	BL	280245,5044	1680906,753	2,651
382	BL	280238,3027	1680871,038	2,648
383	BL	280227,8214	1680874,904	2,674
384	BL	280228,5873	1680829,688	2,72
385	BL	280220,2803	1680794,604	2,783
386	BL	280209,0606	1680794,742	2,757
387	BL	280200,6053	1680759,101	2,896
388	BL	280210,4874	1680753,204	2,86
389	BL	280200,5589	1680711,478	2,986
390	BL	280189,1591	1680665,069	3,098
391	BL	280185,36	1680650,837	3,207
392	BL	280173,6385	1680610,269	3,342
393	BL	280167,1516	1680623,971	3,165
394	BL	280178,0243	1680665,707	3,035
395	BL	280093,8015	1680402,066	3,628
396	BL	280059,0502	1680279,497	3,587
397	BLC	280385,6199	1681511,657	2,5
398	BLC	280390,469	1681508,246	2,752
399	BLC	280399,6115	1681457,032	3,212
400	BLC	280397,3451	1681450,925	3,197
401	BLC	280389,3328	1681423,495	3,208
402	BLC	280387,0522	1681417,38	3,218
403	BLC	280360,7624	1681412,989	3,325
404	BLC	280374,9563	1681384,504	3,228
405	BLC	280376,6393	1681390,758	3,201
406	BLC	280364,7539	1681358,033	3,283
407	BLC	280362,8188	1681352,607	3,333
408	BLC	280353,3155	1681330,27	3,491
409	BLC	280351,0426	1681325,044	3,453
410	BLC	280341,8063	1681301,876	3,155
411	BLC	280340,0851	1681297,857	3,092
412	BLC	280333,8985	1681277,856	3,032



413	BLC	280332,5422	1681252,214	3,211
414	BLC	280333,1945	1681247,078	3,303
415	BLC	280309,3052	1681180,24	3,012
416	BLO	280444,1053	1681624,751	2,987
417	BLO	280443,2998	1681621,855	2,92
418	BLO	280458,3236	1681620,836	3,163
419	BLO	280432,5796	1681594,616	2,971
420	BLO	280429,766	1681588,878	3,059
421	BO	280702,1589	1682622,076	4,193
422	BO	280686,692	1682621,943	4,276
423	BO	280711,7233	1682606,203	4,074
424	BO	280722,0179	1682613,817	3,964
425	BO	280726,372	1682613,915	3,713
426	BO	280722,0596	1682600,546	3,799
427	BO	280720,1291	1682602,952	3,91
428	BO	280718,1506	1682604,312	3,947
429	BO	280633,012	1682665,032	3,805
430	BO	280623,6034	1682671,689	3,896
431	BO	280621,2492	1682673,549	3,919
432	BO	280621,9336	1682677,012	3,887
433	BO	280620,4326	1682686,962	3,996
434	BO	280636,222	1682702,562	3,835
435	BO	280636,5406	1682708,931	3,777
436	BO	280657,3783	1682731,264	3,73
437	BO	280648,4831	1682726,363	3,717
438	BO	280630,2569	1682655,288	4,098
439	BO	280624,4835	1682658,674	4,03
440	BO	280618,7534	1682658,478	3,924
441	BO	280614,502	1682656,395	3,946
442	BO	280612,0418	1682652,359	3,895
443	BO	280606,9584	1682658,82	3,937
444	BO	280596,4642	1682617,801	3,51
445	BO	280664,2965	1682749,516	3,782
446	BO	280680,3989	1682764,696	3,843
447	BO	280681,8193	1682766,045	3,851
448	BO	280685,7228	1682766,946	3,948
449	BO	280692,1277	1682763,166	4,305
450	BO	280697,5034	1682770,76	4,822
451	BO	280692,204	1682773,114	4,254
452	BO	280689,7705	1682776,184	3,826
453	BO	280690,2244	1682778,711	3,697
454	BO	280578,8069	1682578,999	3,312
455	BO	280591,6187	1682606,31	3,47
456	BO	280589,3691	1682619,421	3,396
457	BO	280561,0105	1682545,333	3,23
458	BO	280547,1451	1682522,498	3,236
459	BO	280539,3645	1682505,109	3,18
460	BO	280542,9168	1682487,438	3,471
461	BO	280534,0978	1682482,51	3,333
462	BO	280524,5713	1682453,172	3,278
463	BO	280524,7313	1682447,191	3,263
464	BO	280526,3337	1682445,598	3,258



465	BO	280529,989	1682442,156	3,341
466	BO	280513,1557	1682385,532	3,426
467	BO	280508,1017	1682380,8	3,347
468	BO	280489,0319	1682297,46	3,689
469	BO	280483,7977	1682299,841	3,667
470	BO	280479,4193	1682260,336	4,017
471	BO	280470,7366	1682254,38	3,946
472	BO	280465,822	1682236,848	3,987
473	BO	280465,4013	1682230,383	3,83
474	BO	280466,7688	1682225,824	3,806
475	BO	280471,2633	1682222,889	3,88
476	BO	280486,1095	1682221,135	4,035
477	BO	280511,9866	1682219,328	3,868
478	BO	280517,9228	1682224,475	3,966
479	BO	280488,7298	1682226,479	3,992
480	BO	280483,8695	1682227,436	4,003
481	BO	280479,1614	1682229,427	3,968
482	BO	280475,7958	1682233,033	3,948
483	BO	280474,2928	1682235,865	4,01
484	BO	280473,4197	1682238,106	3,984
485	BO	280604,7599	1682202,828	3,495
486	BO	280601,9527	1682206,776	3,61
487	BO	280594,9378	1682209,451	3,729
488	BO	280587,5757	1682211,408	3,819
489	BO	280584,5819	1682217,554	3,819
490	BO	280604,483	1682216,218	3,678
491	BO	280607,068	1682217,922	3,616
492	BO	280610,0464	1682220,379	3,466
493	BO	280626,9734	1682243,875	3,496
494	BOR	280810,9391	1682755,576	4,229
495	BOR	280813,3176	1682760,499	4,224
496	BOR	280812,4251	1682764,515	4,429
497	BOR	280810,5155	1682767,703	4,592
498	BOR	280807,3329	1682771,341	4,811
499	BOR	280808,3482	1682783,083	4,977
500	BOR	280817,4857	1682776,022	4,67
501	BOR	280822,2109	1682774,296	4,425
502	BOR	280825,642	1682776,136	4,335
503	BOR	280779,8756	1682720,588	4,38
504	BOR	280773,9656	1682713,156	4,588
505	BOR	280778,0617	1682709,253	4,184
506	BOR	280778,0047	1682705,987	4,136
507	BOR	280658,8633	1682637,479	4,228
508	BOR	280721,3696	1682809,983	4,124
509	BOR	280714,9206	1682807,817	3,956
510	BOR	280709,3019	1682804,567	3,857
511	BOR	280575,0211	1682588,379	3,301
512	CAL	280527,7482	1681932,324	3,976
513	CAL	280517,5414	1681898,277	3,742
514	CAN	280586,9723	1682139,727	3,585
515	CAN	280586,6908	1682138,729	3,595
516	CAN	280584,484	1682140,279	3,492



517	CAN	280575,3403	1682108,957	3,515
518	CAN	280578,3013	1682108,238	3,559
519	CAN	280578,1111	1682107,384	3,552
520	CAN	280567,6392	1682069,033	3,532
521	CAN	280567,3453	1682068,062	3,531
522	CEA	280088,8561	1680300,213	4,747
523	CEA	280092,368	1680330,099	4,579
524	CEA	280093,7466	1680344,979	4,394
525	CEA	280094,5856	1680353,93	4,235
526	CEA	280095,8867	1680362,643	4,312
527	CEA	280048,473	1680138,343	3,409
528	CEA	280045,5799	1680153,046	3,396
529	CEA	280044,0559	1680164,958	3,209
530	CEA	280043,7146	1680167,884	3,359
531	CEA	280044,0433	1680164,962	3,387
532	CEA	280044,7628	1680174,344	3,397
533	CEE	280198,7945	1680727,482	3,113
534	CEE	280231,0603	1680882,136	2,704
535	CEEE	280021,9859	1680159,88	3,318
536	CEEE	280015,023	1680129,802	3,499
537	CET	280319,7311	1681303,704	3,706
538	CET	280313,4541	1681281,989	3,498
539	CET	280310,308	1681252,179	3,417
540	CET	280309,6785	1681225,129	3,413
541	CET	280308,186	1681181,169	3,242
542	CET	280284,5178	1681121,866	3
543	CET	280295,2447	1681127,119	3,086
544	CET	280305,3797	1681167,965	3,286
545	CET	280271,7293	1681077,637	3,183
546	CET	280273,6944	1681077,217	3,25
547	CR	282757,5331	1683250,376	11,136
548	CR	282673,1923	1683240,938	8,7
549	CR	282621,3958	1683235,47	7,134
550	CR	282581,6153	1683231,341	6,32
551	CR	282470,0721	1683219,678	5,75
552	CRI	282870,602	1683264,064	12,361
553	CRI	282825,1153	1683260,111	11,945
554	CX	282510,4189	1683226,585	4,31
555	CX	282588,5798	1683235,783	4,436
556	CX	281413,5508	1683109,564	4,939
557	CX	280734,6609	1682637,287	5,203
558	CX	280735,7012	1682639,838	5,238
559	CX	280738,225	1682638,681	5,303
560	CX	280657,8376	1682403,389	3,566
561	CX	280656,1044	1682395,936	3,714
562	CX	280650,4794	1682397,332	3,818
563	CX	280646,5104	1682365,267	3,813
564	CX	280646,7619	1682366,742	3,8
565	CX	280648,1449	1682366,448	3,705
566	CX	280416,428	1681548,899	3,063
567	CX	280396,5223	1681544,309	2,528
568	CX	280394,3557	1681524,468	2,639



569	CX	280388,7139	1681489,923	2,93
570	CX	280363,8971	1681403,957	3,09
571	CX	280375,9036	1681432,775	3,053
572	CX	280311,7797	1681209,545	3,169
573	CX	280304,3918	1681151,964	3,033
574	CX	280297,5848	1681122,457	3,07
575	CX	280286,1285	1681120,715	3,038
576	CX	280284,3844	1681092,792	3,101
577	CX	280275,3051	1681078,099	3,275
578	CX	280226,2379	1680853,775	2,764
579	CX	280227,6809	1680853,352	2,785
580	CX	280225,7302	1680852,115	2,773
581	CX	280224,4048	1680847,112	2,75
582	CX	280223,9085	1680845,484	2,748
583	CX	280225,8245	1680846,704	2,769
584	CX	280217,0105	1680832,684	2,903
585	D+1.55	280504,978	1682384,233	3,348
586	D+1.55	280607,464	1682213,478	3,643
587	DIV	280590,0476	1682647,07	3,733
588	DIV	282341,9663	1683225,934	4,467
589	DIV	282272,7273	1683218,701	4,134
590	DIV	282153,2113	1683205,664	4,448
591	DIV	282094,431	1683198,761	4,633
592	DIV	281975,2294	1683186,171	4,818
593	DIV	281863,1533	1683174,292	4,883
594	DIV	281860,2661	1683173,967	4,884
595	DIV	281735,9732	1683161,571	4,694
596	DIV	281152,3446	1683047,787	5,166
597	DIV	281012,2111	1682963,856	2,955
598	DIV	280979,8764	1682923,006	4,978
599	DIV	280855,7902	1682817,833	4,594
600	DIV	280682,1655	1682617,667	4,099
601	DIV	280672,7834	1682622,632	4,244
602	DIV	280664,4651	1682628,92	4,323
603	DIV	280654,1169	1682634,853	4,164
604	DIV	280643,4884	1682641,408	3,946
605	DIV	280710,6914	1682580,282	3,834
606	DIV	280704,1453	1682582,538	4,321
607	DIV	280701,0042	1682576,269	4,23
608	DIV	280601,0861	1682667,54	3,818
609	DIV	280599,4342	1682617,385	3,413
610	DIV	280625,3514	1682710,303	3,578
611	DIV	280631,8697	1682721,161	3,746
612	DIV	280636,7361	1682718,48	3,645
613	DIV	280668,2499	1682768,281	4,065
614	DIV	280691,7927	1682801,352	4,077
615	DIV	280741,3366	1682863,335	4,089
616	DIV	280580,8575	1682630,027	3,276
617	DIV	280588,6611	1682595,363	3,546
618	DIV	280533,9159	1682504,631	3,229
619	DIV	280517,5674	1682423,994	3,264
620	DIV	280511,1412	1682426,655	3,095



621	DIV	280590,3748	1682170,451	3,451
622	DIV	280526,5095	1681936,02	3,528
623	DIV	280503,2254	1681851,419	4,217
624	DIV	280521,3903	1681914,468	3,491
625	DIV	280515,9622	1681896,267	3,743
626	DIV	280496,1389	1681827,832	3,99
627	DIV	280487,9275	1681809,666	3,318
628	DIV	280260,9666	1681050,059	3,389
629	DIV	280205,8547	1680808,146	2,811
630	DIV	280178,9736	1680712,335	2,784
631	DIV	280192,6756	1680760,02	2,729
632	DIV	280165,4985	1680664,538	2,865
633	DIV	280152,1468	1680616,728	2,817
634	DIV	280132,8164	1680549,183	3,163
635	DIV	280087,4525	1680389,133	3,817
636	DIV	280039,531	1680247,309	3,662
637	DIV	280018,706	1680162,566	3,634
638	FER	282490,6192	1683226,791	4,56
639	FER	282512,9742	1683229,161	4,525
640	FER	282512,2562	1683227,977	4,512
641	FER	282556,1596	1683233,726	4,557
642	FER	282622,9361	1683241,382	4,671
643	FER	282374,0418	1683214,553	4,422
644	FER	282373,6736	1683213,425	4,407
645	FER	281926,5974	1683167,395	4,819
646	FER	281926,5811	1683166,243	4,803
647	FER	281895,7809	1683164,138	4,862
648	GAS	282929,751	1683292,156	5,592
649	GAS	282759,0756	1683275,85	4,988
650	GAS	282639,2725	1683257,135	4,903
651	GAS	282470,3133	1683239,376	4,501
652	GAS	282354,4096	1683226,608	4,234
653	GAS	282267,3462	1683217,773	4,134
654	GAS	282094,7905	1683198,606	4,754
655	GAS	282002,859	1683189,527	5,041
656	GAS	281734,6552	1683160,844	4,639
657	GAS	281609,5619	1683148,687	4,361
658	GAS	281393,9268	1683123,981	4,665
659	GAS	281405,7671	1683126,568	4,67
660	GAS	281412,0566	1683127,787	4,576
661	GAS	281086,0009	1683011,23	5,059
662	GAS	280988,7528	1682928,459	5,361
663	GAS	280607,1065	1682168,757	4,084
664	GAS	280653,7334	1682377,112	3,484
665	GAS	280564,4717	1682012,767	3,965
666	GAS	280225,5694	1680809,065	3,682
667	GAS	280191,1172	1680664,399	4,312
668	GAS	280154,3626	1680547,153	4,287
669	GAS	280094,4902	1680362,027	4,146
670	GAS	280081,7946	1680311,452	4,409
671	GR	280257,166	1680958,613	3,288
672	GR	280248,0272	1680905,801	3,669



673	GR	280240,6893	1680870,651	3,522
674	GR	280231,5186	1680831,833	3,797
675	GR	280224,2065	1680800,616	3,906
676	GR	280213,1508	1680753,943	4,091
677	GR	280141,2074	1680501,566	5,098
678	GR	280157,2799	1680544,156	4,77
679	GR	280185,6668	1680639,732	4,479
680	GR	280180,8894	1680620,819	4,571
681	GR	280171,7428	1680587,309	4,699
682	GR	280165,5259	1680566,538	4,84
683	GR	280151,2145	1680527,889	4,839
684	GR	280140,472	1680499,527	5,091
685	GR	280134,3986	1680483,179	5,366
686	GRA	280298,0614	1681086,62	3,274
687	GRA	280306,8332	1681108,783	3,409
688	GRA	280311,0734	1681123,341	3,63
689	GRA	280314,2521	1681135,963	3,754
690	GRA	280320,6228	1681165,593	3,92
691	GRA	280324,994	1681186,865	4,221
692	GRA	280327,9443	1681199,602	4,348
693	GRA	280330,8377	1681210,037	4,421
694	GRA	280331,7659	1681213,226	4,453
695	GRD	280293,9569	1681079,532	3,193
696	GRD	280291,3522	1681072,982	3,205
697	GRD	280285,038	1681063,143	3,045
698	GRD	280282,1924	1681059,802	3,013
699	GRD	280276,0278	1681048,298	2,917
700	GRD	280270,1866	1681032,913	2,88
701	GRE	282598,3459	1683251,59	4,582
702	GRE	282351,171	1683225,665	3,999
703	GRE	281784,9808	1683165,67	4,648
704	GRE	281079,3211	1683007,364	4,884
705	GRE	281079,0919	1683007,681	4,878
706	GRE	281072,4429	1683003,537	4,89
707	GRE	280266,967	1681019,845	2,728
708	GRE	280264,5963	1681009,085	2,757
709	GRE	280265,2443	1681010,065	2,75
710	GRE	280266,0554	1681014,544	2,725
711	GRE	280268,8978	1681028,557	2,77
712	GUA	281012,8004	1682949,249	5,093
713	GUA	281034,5574	1682964,472	5,2
714	GUA	280601,1197	1682148,944	3,946
715	GUA	280585,1278	1682090,422	4,028
716	GUA	280568,4158	1682029,671	3,909
717	GUA	280548,6362	1681957,317	4,115
718	GUA	280230,9447	1680838,828	2,922
719	GUA	280217,8077	1680783,304	3,009
720	GUA	280194,3871	1680685,189	3,209
721	GUA	280173,7744	1680610,28	3,451
722	GUA	280027,297	1680152,428	3,464
723	GUA	280034,14	1680170,876	3,333
724	GUA	280050,8653	1680226,312	5,536



725	HD	281865,4403	1683174,562	4,871
726	LU	282926,5948	1683267,474	6,45
727	LU	280596,6309	1682127,43	3,141
728	LU	280588,5524	1682097,947	3,025
729	LU	280580,4467	1682069,225	3,034
730	LU	280572,4137	1682040,023	4,17
731	LU	280564,5673	1682011,248	3,569
732	LU	280556,7892	1681982,591	3,327
733	LU	280548,7221	1681953,204	3,445
734	LU	280541,0519	1681924,59	3,98
735	LU	280532,1814	1681896,062	5,381
736	LU	280523,653	1681867,238	5,849
737	LU	280513,8934	1681839,141	5,864
738	LU	280474,2892	1681582,757	15,291
739	MF	282927,7277	1683309,728	6,384
740	MF	282912,8458	1683311,072	5,965
741	MF	282911,8809	1683298,058	5,402
742	MF	282911,6377	1683295,085	5,326
743	MF	282911,0941	1683293,319	5,28
744	MF	282925,9538	1683288,705	5,501
745	MF	282924,1721	1683270,556	5,369
746	MF	282922,5126	1683256,319	5,311
747	MF	282912,6916	1683249,884	5,336
748	MF	282910,952	1683264,646	5,317
749	MF	282907,9199	1683267,514	5,294
750	MF	282904,2431	1683268,468	5,281
751	MF	282898,842	1683267,547	5,251
752	MF	282897,179	1683266,602	5,247
753	MF	282895,4146	1683264,832	5,213
754	MF	282894,5374	1683263,47	5,182
755	MF	282894,8254	1683261,164	5,233
756	MF	282896,2021	1683256,704	5,244
757	MF	282887,8989	1683253,544	5,082
758	MF	282887,2291	1683258,312	4,995
759	MF	282886,9223	1683259,873	4,986
760	MF	282882,9608	1683264,533	5,075
761	MF	282880,0678	1683267,503	5,038
762	MF	282871,233	1683274,852	5,05
763	MF	282868,371	1683276,829	5,111
764	MF	282866,3793	1683277,655	5,091
765	MF	282864,3507	1683277,773	5,103
766	MF	282845,0428	1683287,533	5,049
767	MF	282836,0156	1683286,761	5,046
768	MF	282837,9961	1683274,601	5,092
769	MF	282813,9846	1683271,345	5,136
770	MF	282790,714	1683267,801	5,078
771	MF	282789,6031	1683279,774	5,053
772	MF	282615,5004	1683253,173	4,573
773	MF	282609,408	1683263,48	4,91
774	MF	282594,2376	1683263,033	4,924
775	MF	282590,7067	1683250,368	4,602
776	MF	282631,464	1683255,134	4,734



777	MF	282697,8219	1683265,762	4,798
778	MF	282754,0215	1683274,113	4,828
779	MF	282579,8575	1683249,237	4,617
780	MF	282576,8872	1683251,263	4,467
781	MF	282576,586	1683254,481	4,232
782	MF	282568,6045	1683255,07	4,136
783	MF	282568,8764	1683252,415	4,298
784	MF	282554,3884	1683246,549	4,572
785	MF	282538,6483	1683244,844	4,453
786	MF	282520,1065	1683242,84	4,437
787	MF	282500,4922	1683240,808	4,426
788	MF	282483,8524	1683238,959	4,368
789	MF	282503,4972	1683241,073	4,936
790	MF	282409,1194	1683231,051	4,248
791	MF	282380,0176	1683227,957	4,25
792	MF	282365,2616	1683226,387	4,194
793	MF	282322,5828	1683221,746	4,05
794	MF	282175,8776	1683206,233	4,14
795	MF	282140,7909	1683202,461	4,193
796	MF	282025,8653	1683190,192	4,778
797	MF	281617,3526	1683148,112	4,13
798	MF	281672,3082	1683153,94	4,217
799	MF	281703,0827	1683157,007	4,258
800	MF	281732,452	1683159,841	4,391
801	MF	281797,9516	1683166,403	4,586
802	MF	281549,4974	1683141,156	4,071
803	MF	281483,9099	1683134,296	4,001
804	MF	281433,9007	1683129,266	4,325
805	MF	281429,7315	1683128,825	4,246
806	MF	281424,2481	1683128,132	4,287
807	MF	281399,3883	1683123,987	4,427
808	MF	281376,383	1683119,958	4,472
809	MF	281357,4742	1683116,129	4,463
810	MF	281284,3252	1683108,472	4,427
811	MF	281284,4734	1683107,624	4,392
812	MF	281291,704	1683103,62	4,475
813	MF	281278,1177	1683107,381	4,412
814	MF	281278,2505	1683105,685	4,455
815	MF	281272,9564	1683096,419	4,537
816	MF	281079,4282	1683007,542	4,862
817	MF	281213,213	1683071,892	4,764
818	MF	281071,6305	1683009,405	4,946
819	MF	281072,475	1683002,863	5,019
820	MF	281074,6904	1683002,412	5,078
821	MF	281080,1453	1683005,756	5,074
822	MF	281078,3492	1683008,533	4,997
823	MF	281077,6292	1683010,239	5,026
824	MF	280944,0077	1682891,89	4,822
825	MF	280954,3268	1682901,349	4,859
826	MF	280971,1497	1682915,876	4,921
827	MF	280982,0366	1682924,8	4,957
828	MF	280992,8522	1682933,526	4,963



829	MF	281006,2392	1682943,722	5,009
830	MF	280979,1587	1682935,406	4,682
831	MF	280924,4603	1682887,139	4,714
832	MF	280924,7598	1682888,78	4,739
833	MF	280931,5567	1682897,456	4,757
834	MF	280935,1899	1682897,359	4,559
835	MF	280908,2767	1682871,534	4,578
836	MF	280906,7148	1682871,264	4,634
837	MF	280905,2868	1682871,834	4,648
838	MF	280898,1645	1682864,835	4,648
839	MF	280898,6463	1682863,432	4,621
840	MF	280898,5819	1682861,569	4,533
841	MF	280940,2521	1682888,056	4,955
842	MF	280939,4347	1682886,799	4,861
843	MF	280938,4432	1682882,711	4,913
844	MF	280920,5003	1682865,315	4,786
845	MF	280918,6971	1682863,66	4,775
846	MF	280917,7724	1682863,474	4,749
847	MF	280916,4219	1682864,146	4,728
848	MF	280914,2122	1682862,922	4,746
849	MF	280857,305	1682800,127	4,524
850	MF	280774,8339	1682700,758	4,033
851	MF	280769,7445	1682692,156	3,984
852	MF	280769,2018	1682672,565	3,989
853	MF	280771,079	1682675,539	3,965
854	MF	280742,4597	1682622,439	3,745
855	MF	280729,3027	1682615,667	3,712
856	MF	280726,9163	1682587,814	3,614
857	MF	280714,9456	1682558,337	3,676
858	MF	280721,8517	1682598,682	3,74
859	MF	280616,4264	1682242,956	3,444
860	MF	280605,5702	1682204,803	3,45
861	MF	280596,4283	1682174,06	3,461
862	MF	280607,2609	1682172,257	3,494
863	MF	280577,6439	1682064,202	3,698
864	MF	280662,6638	1682414,05	3,356
865	MF	280653,7732	1682380,541	3,396
866	MF	280528,4911	1681923,085	3,769
867	MF	280530,1638	1681929,02	3,813
868	MF	280537,3177	1681958,711	3,797
869	MF	280538,8088	1681964,499	3,804
870	MF	280532,1003	1681898,397	4,063
871	MF	280539,4204	1681923,876	3,99
872	MF	280544,4229	1681942,531	4,041
873	MF	280549,298	1681961,31	3,966
874	MF	280524,9591	1681912,537	3,768
875	MF	280523,3411	1681907,661	3,815
876	MF	280517,7216	1681887,435	3,906
877	MF	280524,1296	1681870,48	4,152
878	MF	280522,1979	1681864,421	4,191
879	MF	280513,8043	1681840,4	4,196
880	MF	280464,9229	1681728,48	3,391



881	MF	280466,5902	1681734,435	3,404
882	MF	280469,0473	1681742,826	3,449
883	MF	280472,1568	1681753,483	3,504
884	MF	280473,1574	1681756,597	3,527
885	MF	280474,4745	1681760,54	3,546
886	MF	280478,3658	1681772,439	3,609
887	MF	280479,9179	1681776,903	3,617
888	MF	280483,8084	1681787,972	3,684
889	MF	280486,4012	1681795,356	3,709
890	MF	280489,0649	1681802,92	3,759
891	MF	280502,3712	1681807,595	4,003
892	MF	280492,6333	1681779,785	3,864
893	MF	280487,2503	1681764,001	3,807
894	MF	280477,0581	1681730,927	3,643
895	MF	280471,1716	1681709,542	3,475
896	MF	280464,7709	1681686,526	3,358
897	MF	280460,7418	1681673,303	3,29
898	MF	280455,2471	1681656,881	3,135
899	MF	280448,705	1681639,083	3,012
900	MF	280443,1592	1681625,029	2,924
901	MF	280441,1611	1681650,175	2,735
902	MF	280448,9965	1681673,099	2,98
903	MF	280428,5116	1681618,821	2,525
904	MF	280431,097	1681624,943	2,556
905	MF	280401,7026	1681556,836	2,367
906	MF	280400,2693	1681552,921	2,339
907	MF	280398,3586	1681544,857	2,354
908	MF	280396,6602	1681535,085	2,379
909	MF	280395,598	1681525,573	2,463
910	MF	280402,0154	1681528,758	2,613
911	MF	280447,4874	1681635,822	3,04
912	MF	280438,407	1681614,147	2,874
913	MF	280424,487	1681583,517	2,744
914	MF	280422,9401	1681580,041	2,736
915	MF	280420,7102	1681573,649	2,809
916	MF	280414,7781	1681572,187	2,664
917	MF	280414,4063	1681572,184	2,602
918	MF	280411,5562	1681559,854	3,005
919	MF	280409,0547	1681559,586	2,545
920	MF	280407,3935	1681555,511	2,54
921	MF	280405,3693	1681549,374	2,59
922	MF	280408,7942	1681544,452	3,047
923	MF	280416,5791	1681554,189	2,938
924	MF	280413,9833	1681539,617	2,916
925	MF	280413,0744	1681532,921	2,962
926	MF	280411,5207	1681517,063	3,031
927	MF	280406,0838	1681524,629	3,042
928	MF	280401,9888	1681528,925	2,624
929	MF	280395,612	1681525,322	2,489
930	MF	280393,7166	1681496,479	2,693
931	MF	280400,2048	1681499,923	2,824
932	MF	280399,0648	1681490,189	2,873



933	MF	280396,6688	1681475,743	2,974
934	MF	280398,6195	1681475,262	3,019
935	MF	280403,4753	1681472,519	3,148
936	MF	280399,2609	1681460,044	3,022
937	MF	280409,4761	1681498,896	3,159
938	MF	280403,6639	1681499,327	3,032
939	MF	280327,3939	1681307,847	3,145
940	MF	280318,48	1681280,952	3,232
941	MF	280315,8001	1681266,741	3,273
942	MF	280314,6261	1681255,926	3,251
943	MF	280314,1072	1681236,693	3,164
944	MF	280313,4689	1681216,803	3,067
945	MF	280312,7947	1681199,237	2,968
946	MF	280311,2182	1681182,564	2,894
947	MF	280307,913	1681161,847	2,886
948	MF	280311,3232	1681127,546	3,158
949	MF	280315,309	1681143,696	3,214
950	MF	280319,2892	1681162,554	3,298
951	MF	280321,6369	1681177,23	3,281
952	MF	280329,7261	1681280,275	2,837
953	MF	280335,2615	1681297,783	2,938
954	MF	280325,986	1681258,239	2,819
955	MF	280323,7642	1681197,491	3,138
956	MF	280308,2415	1681163,715	2,819
957	MF	280313,6121	1681136,537	3,17
958	MF	280309,9216	1681121,939	3,162
959	MF	280303,0402	1681139,809	2,94
960	MF	280299,4494	1681125,312	2,918
961	MF	280289,8469	1681100,473	2,974
962	MF	280293,6138	1681097,422	3,028
963	MF	280295,6229	1681096,69	3,024
964	MF	280296,0733	1681103,472	3,026
965	MF	280299,2918	1681110,282	3,006
966	MF	280300,8452	1681109,693	3,028
967	MF	280302,4896	1681101,048	3,129
968	MF	280293,1835	1681083,482	3,049
969	MF	280275,3022	1681048,601	2,847
970	MF	280282,3914	1681063,982	2,907
971	MF	280290,8107	1681088,996	3,059
972	MF	280291,7816	1681088,701	3,032
973	MF	280275,3459	1681074,085	3,151
974	MF	280268,1808	1681059,727	3,209
975	MF	280263,0634	1681047,807	3,244
976	MF	280251,2251	1681001,959	3,139
977	MF	280254,9996	1681021,262	3,227
978	MF	280259,8169	1681020,287	3,011
979	MF	280260,2557	1681020,159	2,985
980	MF	280261,4027	1681027,961	3,042
981	MF	280264,1769	1681030,818	2,956
982	MF	280264,4107	1681031,7	2,993
983	MF	280264,3315	1681035,065	3,025
984	MF	280263,2321	1681035,329	3,072



985	MF	280262,4659	1680993,061	2,803
986	MF	280259,4518	1680984,266	2,818
987	MF	280249,7999	1680959,38	2,964
988	MF	280249,4777	1680959,474	2,963
989	MF	280218,555	1680835,183	2,681
990	MF	280223,209	1680854,357	2,714
991	MF	280229,9097	1680884,517	2,672
992	MF	280194,2554	1680685,222	3,103
993	MF	280192,5798	1680678,12	3,189
994	MF	280156,0366	1680590,519	3,308
995	MF	280163,6193	1680612,055	3,244
996	MF	280173,4928	1680648,408	3,183
997	MF	280180,8323	1680676,634	3,122
998	MF	280182,2913	1680682,36	3,145
999	MF	280139,9877	1680546,256	3,429
1000	MF	280146,7447	1680535,93	3,56
1001	MF	280136,8138	1680508,883	3,61
1002	MF	280124,8298	1680504,936	3,516
1003	MF	280114,281	1680474,775	3,622
1004	MF	280111,5698	1680466,469	3,632
1005	MF	280110,0534	1680461,361	3,668
1006	MF	280110,7141	1680424,917	3,749
1007	MF	280098,7538	1680382,897	3,869
1008	MF	280095,3425	1680370,95	3,862
1009	MF	280092,1028	1680355,354	3,856
1010	MF	280091,2463	1680348,73	3,899
1011	MF	280089,8842	1680325,773	4,181
1012	MF	280090,6937	1680341,584	3,958
1013	MF	280088,6865	1680311,63	4,236
1014	MF	280083,3465	1680319,896	4,161
1015	MF	280084,0745	1680330,727	4,023
1016	MF	280084,1345	1680337,556	3,945
1017	MF	280082,8062	1680341,904	3,852
1018	MF	280080,3743	1680338,29	3,807
1019	MF	280074,7679	1680322,688	3,858
1020	MF	280067,1504	1680301,738	3,781
1021	MF	280074,6469	1680337,239	3,832
1022	MF	280063,1529	1680305,471	3,869
1023	MF	280080,5256	1680355,98	3,839
1024	MF	280085,2491	1680372,195	3,792
1025	MF	280051,255	1680257,537	3,498
1026	MF	280045,8145	1680241,688	3,441
1027	MF	280045,3047	1680239,859	3,471
1028	MF	280044,807	1680237,994	3,452
1029	MF	280062,381	1680303,343	3,902
1030	MF	280060,78	1680299,198	3,874
1031	MF	280057,1236	1680289,317	3,776
1032	MF	280050,6148	1680271,179	3,594
1033	MF	280041,4307	1680244,457	3,589
1034	MF	280040,574	1680241,827	3,59
1035	MF	280039,9955	1680239,85	3,599
1036	MF	280030,938	1680204,338	3,499



1037	MF	280025,6509	1680180,049	3,379
1038	MF	280020,4679	1680157,765	3,488
1039	MF	280016,3256	1680143,567	3,589
1040	MF	280025,6505	1680147,037	3,461
1041	MF	280034,0435	1680171,534	3,252
1042	MF	280035,432	1680172,328	3,233
1043	MF	280031,7398	1680186,93	3,248
1044	MF	280039,6905	1680183,651	3,098
1045	MF	280045,0441	1680181,043	3,024
1046	MF	280042,2296	1680173,285	2,938
1047	MF	280041,9143	1680168,3	2,902
1048	MF	280035,6667	1680171,913	3,156
1049	MF	280036,351	1680161,887	3,052
1050	MF	280042,512	1680161,555	2,847
1051	MF	280038,0985	1680150,088	2,913
1052	MF	280037,4118	1680147,985	2,909
1053	MF	280034,7088	1680147,439	2,995
1054	MF	280031,9831	1680147,76	3,133
1055	MF	280025,5885	1680146,784	3,401
1056	MF	280028,0882	1680155,928	3,263
1057	MF	280028,6104	1680157,53	3,26
1058	MF	280016,3737	1680107,412	3,294
1059	MF	280006,3977	1680110,243	3,534
1060	MF	280011,4447	1680127,483	3,534
1061	MF	280024,1292	1680134,135	3,414
1062	MF	280026,631	1680137,333	3,344
1063	MF	280031,6448	1680139,414	4
1064	MF	280035,9708	1680138,425	3,65
1065	MF	280037,4148	1680137,657	3,58
1066	MF	280038,1698	1680136,496	3,57
1067	MF	280040,4637	1680121,06	3,41
1068	MF	280048,5376	1680121,737	3,33
1069	MF	280044,5992	1680147,829	3,52
1070	MF	280066,3332	1680240,909	4,054
1071	MF	280071,3544	1680239,083	4,164
1072	MF	280051,763	1680206,733	3,424
1073	MF	280056,9822	1680204,143	3,534
1074	MF	280063,4735	1680217,356	3,764
1075	MF	280058,7592	1680221,471	3,714
1076	MF	280071,3544	1680239,083	4,164
1077	MF	280066,3332	1680240,909	4,054
1078	MF	280081,9055	1680274,978	4,684
1079	MF	280076,4382	1680276,81	4,394
1080	MF	280086,8839	1680299,183	4,364
1081	MF	280080,7379	1680298,281	4,284
1082	MR	282927,8097	1683265,667	5,564
1083	MR	282930,5151	1683292,77	5,608
1084	MR	282930,9477	1683298,442	5,815
1085	MR	282911,5173	1683312,047	6,256
1086	MR	282910,4163	1683295,113	5,615
1087	MR	282901,8425	1683294,579	5,168
1088	MR	282900,9001	1683294,145	5,266



1089	MR	282900,7806	1683293,565	5,388
1090	MR	282878,8012	1683265,891	8,584
1091	MR	282875,3128	1683269,032	9,315
1092	MR	282873,9774	1683270,267	8,997
1093	MR	282870,9646	1683273,062	7,204
1094	MR	282885,7245	1683259,497	5,2
1095	MR	282889,5556	1683232,175	5,246
1096	MR	282629,4404	1683239,43	4,709
1097	MR	282650,5827	1683243,007	4,738
1098	MR	282667,7249	1683245,33	4,828
1099	MR	282689,3363	1683248,757	4,826
1100	MR	282704,7138	1683251,321	4,987
1101	MR	282735,4274	1683256,562	5,521
1102	MR	282551,801	1683230,215	4,596
1103	MR	282612,24	1683237,138	4,709
1104	MR	281227,0931	1683063,204	6,028
1105	MR	281183,0115	1683047,259	4,907
1106	MR	281163,0801	1683039,316	5,04
1107	MR	281162,4633	1683039,07	5,072
1108	MR	281137,4165	1683026,848	5,161
1109	MR	281108,3763	1683011,134	5,228
1110	MR	281089,0429	1682999,873	5,341
1111	MR	281072,9809	1682990,035	5,353
1112	MR	281054,0108	1682977,819	5,33
1113	MR	280720,1433	1682816,493	3,982
1114	MR	280720,3344	1682817,857	3,967
1115	MR	280722,6033	1682814,995	3,998
1116	MR	280724,3756	1682815,21	4,005
1117	MR	280736,2618	1682831,68	4,445
1118	MR	280733,6001	1682833,891	4,226
1119	MR	280732,7763	1682833,852	4,072
1120	MR	280730,5377	1682832,142	3,908
1121	MR	280727,6359	1682828,634	3,968
1122	MR	280738,1411	1682836,046	4,191
1123	MR	280735,3707	1682838,222	3,916
1124	MR	280747,4251	1682855,364	3,699
1125	MR	280742,9004	1682849,791	3,811
1126	MR	280746,8133	1682857,175	3,684
1127	MR	280747,4132	1682857,77	3,702
1128	MR	280740,5925	1682862,372	3,687
1129	MR	280630,5299	1682244,911	4,684
1130	MR	280632,4769	1682255,492	3,523
1131	MR	280637,698	1682281,952	3,547
1132	MR	280639,7881	1682292,355	3,653
1133	MR	280642,4155	1682304,261	3,756
1134	MR	280646,9722	1682321,663	3,714
1135	MR	280643,255	1682307,16	3,736
1136	MR	280640,7681	1682296,904	3,681
1137	MR	280686,8403	1682475,466	3,485
1138	MR	280678,0037	1682442,064	3,39
1139	MR	280665,1502	1682391,902	3,573
1140	MR	280654,6294	1682351,332	3,612



1141	MR	280703,8176	1682574,882	4,066
1142	MR	280514,5502	1681840,275	4,808
1143	MR	280521,2765	1681911,666	3,764
1144	MR	280522,2409	1681911,367	3,78
1145	MR	280518,4837	1681899,635	3,72
1146	MR	280455,7566	1681655,501	3,411
1147	MR	280462,7485	1681676,673	3,571
1148	MR	280468,5299	1681696,287	3,727
1149	MR	280471,1537	1681705,837	3,729
1150	MR	280476,5188	1681725,182	3,828
1151	MR	280482,0258	1681744,363	4,002
1152	MR	280487,9521	1681763,576	4,033
1153	MR	280118,3291	1680444,891	3,008
1154	MR	280118,3266	1680444,888	4,563
1155	MR	280104,7401	1680394,513	4,435
1156	NA	280516,6975	1681901,316	0,695
1157	NA	280511,9593	1681899,61	0,71
1158	NA	280508,6892	1681899,602	0,701
1159	NA	280511,1356	1681913,621	0,781
1160	NA	280514,1673	1681912,51	0,682
1161	NA	280516,6045	1681909,453	0,802
1162	PAR	280116,3315	1680484,686	3,763
1163	PASS	280779,4629	1682682,871	5,147
1164	PASS	280801,835	1682719,671	8,847
1165	PASS	280805,0871	1682720,391	8,909
1166	PASS	280805,7568	1682717,561	8,709
1167	PAVS	280807,8787	1682751,193	4,141
1168	PAVS	280815,99	1682747,005	4,157
1169	PAVS	280790,9471	1682725,73	4,043
1170	PAVS	280785,7848	1682722,039	4,274
1171	PC	282891,5263	1683291,801	7,907
1172	PC	282837,1492	1683272,381	7,521
1173	PC	282861,0854	1683275,855	7,381
1174	PC	282926,7367	1683294,393	7,265
1175	PC	282926,3936	1683287,069	6,548
1176	PC	282508,9259	1683226,418	4,748
1177	PC	282589,0502	1683234,669	4,682
1178	PC	282697,6835	1683250,666	4,939
1179	PC	282567,9002	1683253,615	3,379
1180	PC	282326,4484	1683207,613	5,273
1181	PC	282429,923	1683217,961	5,586
1182	PC	282007,9491	1683173,792	4,541
1183	PC	282097,1248	1683182,747	4,693
1184	PC	282142,9392	1683188,367	4,727
1185	PC	282204,0936	1683194,279	4,75
1186	PC	281697,2532	1683141,196	7,047
1187	PC	281359,938	1683117,186	5,368
1188	PC	281319,6512	1683107,321	4,867
1189	PC	281300,5668	1683102,091	4,624
1190	PC	281270,041	1683092,738	4,376
1191	PC	281253,6143	1683087,355	5,042
1192	PC	281228,2678	1683078,23	6,263



1193	PC	281199,7446	1683066,819	4,771
1194	PC	281172,0674	1683054,615	4,431
1195	PC	281301,0179	1683086,134	5,073
1196	PC	281331,345	1683094,671	4,883
1197	PC	281370,2207	1683102,85	5,171
1198	PC	281474,238	1683117,584	4,24
1199	PC	281415,7271	1683110,362	4,54
1200	PC	281113,2498	1683025,124	6,982
1201	PC	281083,6745	1683008,484	6,476
1202	PC	281069,7128	1682999,853	5,816
1203	PC	281060,4077	1682993,994	5,461
1204	PC	281036,6746	1682978,269	4,452
1205	PC	281019,1819	1682967,399	4,031
1206	PC	280999,2789	1682951,924	3,513
1207	PC	280983,8889	1682940,214	3,253
1208	PC	280959,1858	1682920,441	2,675
1209	PC	280936,0785	1682900,824	3,101
1210	PC	280922,0352	1682887,281	2,949
1211	PC	280886,4946	1682851,015	2,452
1212	PC	280869,9611	1682832,926	2,049
1213	PC	280832,839	1682788,388	4,857
1214	PC	280823,5222	1682776,422	4,048
1215	PC	280810,0028	1682757,693	4,092
1216	PC	280792,01	1682732,05	3,648
1217	PC	280775,6294	1682706,701	5,242
1218	PC	280748,6357	1682658,941	4,851
1219	PC	280734,3942	1682631,603	4,569
1220	PC	280727,8612	1682616,879	4,238
1221	PC	280719,0256	1682601,958	4,128
1222	PC	280718,8538	1682594,883	4,972
1223	PC	280683,8002	1682621,779	5,562
1224	PC	280623,8219	1682656,206	3,904
1225	PC	280604,6811	1682656,552	3,605
1226	PC	280604,7669	1682666,297	4,189
1227	PC	280620,1271	1682687,682	3,721
1228	PC	280673,7826	1682765,919	3,75
1229	PC	280696,1224	1682797,792	3,706
1230	PC	280717,8335	1682827,269	4,4
1231	PC	280743,8032	1682862,299	4,085
1232	PC	280735,6975	1682829,616	7,377
1233	PC	280491,1876	1682333,241	7,621
1234	PC	280502,1308	1682370,286	7,854
1235	PC	280513,7317	1682409,015	6,764
1236	PC	280523,297	1682444,186	5,645
1237	PC	280532,8323	1682482,622	4,873
1238	PC	280542,741	1682515,886	4,528
1239	PC	280556,9748	1682549,183	4,726
1240	PC	280629,0757	1682295,128	4,848
1241	PC	280619,6947	1682262,706	4,479
1242	PC	280612,1714	1682236,379	4,182
1243	PC	280602,7151	1682202,703	5,805
1244	PC	280591,2163	1682169,775	4,551



1245	PC	280580,1996	1682136,076	5,753
1246	PC	280570,8104	1682103,613	7,189
1247	PC	280562,3363	1682069,69	6,166
1248	PC	280652,4733	1682379,054	4,966
1249	PC	280644,9116	1682353,317	4,882
1250	PC	280636,9567	1682324,255	4,788
1251	PC	280658,9792	1682404,322	5,048
1252	PC	280665,3035	1682429,444	4,542
1253	PC	280671,5228	1682454,794	4,029
1254	PC	280678,4284	1682480,255	4,713
1255	PC	280687,7235	1682511,026	4,573
1256	PC	280697,6307	1682540,217	4,44
1257	PC	280707,6582	1682566,68	4,314
1258	PC	280554,647	1682037,318	3,402
1259	PC	280547,5397	1682000,771	4,751
1260	PC	280537,8729	1681966,391	2,993
1261	PC	280529,4797	1681930,25	3,582
1262	PC	280518,1421	1681894,017	3,12
1263	PC	280509,0229	1681862,418	3,906
1264	PC	280496,8047	1681828,338	3,8
1265	PC	280486,215	1681800,063	3,654
1266	PC	280475,4146	1681767	3,493
1267	PC	280466,6995	1681738,845	3,362
1268	PC	280456,0443	1681701,69	3,191
1269	PC	280445,9655	1681665,957	2,4
1270	PC	280433,7796	1681634	1,31
1271	PC	280405,6736	1681568,315	1,033
1272	PC	280397,5558	1681547,301	1,076
1273	PC	280395,09	1681544,507	2,896
1274	PC	280316,8944	1681279,568	6,439
1275	PC	280327,364	1681311,741	5,996
1276	PC	280340,2483	1681343,306	5,55
1277	PC	280352,6601	1681374,884	5,113
1278	PC	280363,491	1681402,149	4,756
1279	PC	280376,6556	1681434,448	7,059
1280	PC	280387,603	1681466,308	6,694
1281	PC	280392,2469	1681490,736	5,599
1282	PC	280311,9939	1681211,98	4,218
1283	PC	280313,2727	1681246,137	6,423
1284	PC	280317,0537	1681279,448	4,51
1285	PC	280275,3871	1681076,023	2,163
1286	PC	280263,4103	1681051,668	2,403
1287	PC	280228,5471	1680878,392	2,828
1288	PC	280221,2755	1680853,986	2,232
1289	PC	280228,8322	1680885,005	2,889
1290	PC	280234,973	1680916,512	3,296
1291	PC	280259,4466	1680981,715	3,629
1292	PC	280257,1663	1680958,615	2,239
1293	PC	280214,3311	1680830,573	9,586
1294	PC	280179,6924	1680707,863	10,551
1295	PC	280180,4744	1680631,005	5,104
1296	PC	280169,4678	1680671,65	9,028



1297	PC	280165,0516	1680655,469	10,102
1298	PC	280150,165	1680602,793	6,802
1299	PC	280144,3855	1680582,722	6,3
1300	PC	280139,1377	1680562,95	5,619
1301	PC	280128,0977	1680525,769	5,764
1302	PC	280117,8688	1680489,651	10,356
1303	PC	280108,346	1680459,426	7,803
1304	PC	280114,7674	1680485,211	3,722
1305	PC	280078,5171	1680352,316	4,376
1306	PC	280065,7517	1680314,75	4,211
1307	PC	280089,477	1680390,304	4,836
1308	PC	280100,2814	1680426,663	4,478
1309	PC	280052,6847	1680279,212	4,544
1310	PC	280040,9295	1680247,947	4,688
1311	PC	280032,0516	1680209,773	4,855
1312	PC	280024,2028	1680175,665	4,358
1313	PC	280022,6465	1680168,5	4,187
1314	PC	280020,5032	1680159,881	3,98
1315	PC	280018,7386	1680154,011	3,703
1316	PC	280013,3221	1680135,358	3,7
1317	PF	282860,1074	1683275,736	9,478
1318	PF	281400,3484	1683125	4,01
1319	PF	281234,6278	1683067,914	4,867
1320	PF	280159,7031	1680635,839	3,488
1321	PH	282182,4038	1683196,676	4,277
1322	PI	282548,2862	1683234,561	4,535
1323	PI	282554,8361	1683236,508	4,491
1324	PI	282600,3715	1683241,583	4,593
1325	PI	282634,5159	1683245,691	4,711
1326	PI	282699,7413	1683256,064	4,789
1327	PI	282431,2155	1683223,469	4,295
1328	PI	282408,5925	1683221,02	4,322
1329	PI	281901,0888	1683167	4,851
1330	PI	281872,9061	1683164,098	4,715
1331	PI	281784,8008	1683155,177	4,62
1332	PI	281540,6763	1683130,407	4,122
1333	PI	281468,7516	1683123,002	4,286
1334	PI	281420,6157	1683117,356	4,377
1335	PI	281397,6954	1683113,47	4,462
1336	PI	281356,7232	1683105,533	4,513
1337	PI	281274,7194	1683093,864	4,564
1338	PI	281276,3926	1683083,886	4,695
1339	PI	281226,7155	1683066,799	4,786
1340	PI	281223,6386	1683075,17	4,864
1341	PI	280269,2521	1681020,781	2,774
1342	PI	280268,8121	1681028,447	2,77
1343	PI	280269,2474	1681013,044	2,759
1344	PI	280266,5493	1680995,307	2,802
1345	PIL	282924,562	1683269,907	5,519
1346	PIL	282925,5663	1683270,255	5,521
1347	PIL	282926,247	1683276,636	5,498
1348	PIL	282895,6113	1683264,07	5,367



1349	PIL	282896,1336	1683264,244	5,364
1350	PIL	282896,6027	1683264,205	5,385
1351	PIL	282896,8019	1683263,749	5,426
1352	PIL	282896,8108	1683263,289	5,455
1353	PIL	281025,5255	1682951,887	5,491
1354	PIL	280997,266	1682929,813	5,457
1355	PIL	280970,5012	1682908,717	5,286
1356	PIL	280943,8915	1682888,965	5,031
1357	PIL	280908,7519	1682878,607	7,092
1358	PIL	280898,1552	1682840,72	4,404
1359	PIL	280942,171	1682888,235	4,884
1360	PIL	280881,8834	1682853,035	6,135
1361	PIL	280769,5864	1682662,969	6,359
1362	PIL	280740,3403	1682604,949	5,363
1363	PIL	280745,5347	1682658,086	6,808
1364	PIL	280745,2853	1682622,178	5,652
1365	PIL	280768,9476	1682661,135	2,799
1366	PIL	280744,475	1682620,38	2,994
1367	PIL	280740,3457	1682604,944	2,342
1368	PIL	280739,0218	1682604,413	2,404
1369	PIL	280732,8619	1682587,437	2,678
1370	PIL	280731,49	1682586,954	2,569
1371	PIL	280721,7683	1682559,359	3,518
1372	PIL	280710,6627	1682531,667	3,985
1373	PIL	280701,0752	1682503,244	2,86
1374	PIL	280744,3975	1682656,6	4,84
1375	PIL	280421,554	1681564,95	3,631
1376	PIL	280421,1953	1681563,016	2,546
1377	PIL	280406,0949	1681537,654	1,771
1378	PIL	280404,4236	1681536,873	1,805
1379	PIL	280290,6281	1681111,265	4,306
1380	PIL	280289,9028	1681073,837	6,274
1381	PIL	280051,6016	1680249,181	4,103
1382	PIL	280056,8131	1680266,432	4,269
1383	PIL	280069,5646	1680304,642	5,379
1384	PIL	280073,2443	1680303,003	6,389
1385	PIL	280080,0967	1680321,394	4,097
1386	PIL	280081,2929	1680321,388	4,26
1387	PIL	280093,4153	1680343,821	4,378
1388	PIL	280092,1193	1680343,481	4,267
1389	PIL	280011,4077	1680135,781	8,699
1390	PIL	280029,5946	1680158,556	5,653
1391	PIL	280032,4065	1680153,602	5,074
1392	PIL	280015,5635	1680147,282	3,749
1393	PLA	282853,8641	1683288,727	6,686
1394	PLA	281390,3435	1683107,598	4,285
1395	PLA	280191,2794	1680668,091	3,972
1396	PLA	280225,9364	1680813,748	3,393
1397	PM	282926,4214	1683278,092	6,688
1398	PM	282803,8502	1683266,933	7,169
1399	PM	282738,023	1683256,479	6,343
1400	PM	282668,621	1683245,975	5,485



1401	PM	282634,997	1683240,514	4,802
1402	PM	282549,7641	1683230,555	4,714
1403	PM	282350,5547	1683209,667	5,734
1404	PM	282470,0175	1683222,462	5,168
1405	PM	282271,1152	1683201,258	4,582
1406	PM	282238,7474	1683197,724	5,302
1407	PM	282172,634	1683191,057	5,048
1408	PM	282052,0242	1683178,064	4,415
1409	PM	281973,119	1683169,873	4,471
1410	PM	281937,8857	1683165,825	4,392
1411	PM	282077,3844	1683180,82	4,692
1412	PM	281510,1331	1683121,973	3,584
1413	PM	281544,6122	1683125,031	5,061
1414	PM	281583,5344	1683129,171	7,089
1415	PM	281623,0717	1683133,203	4,601
1416	PM	281668,8228	1683137,898	4,859
1417	PM	281741,3056	1683145,726	4,56
1418	PM	281780,8097	1683149,714	4,384
1419	PM	281819,1022	1683153,624	4,466
1420	PM	281848,8046	1683156,577	4,517
1421	PM	281858,8342	1683157,677	4,53
1422	PM	280647,9363	1682642,408	4,201
1423	PM	280636,1021	1682709,253	3,681
1424	PM	280603,2962	1682628,553	4,001
1425	PM	280654,4054	1682736,95	10,72
1426	PM	280588,153	1682619,85	4,622
1427	PM	280574,5151	1682589,739	4,143
1428	PM	280556,9725	1682549,239	5,048
1429	PM	280482,2227	1682302,73	6,677
1430	PM	280475,6937	1682281,694	6,322
1431	PM	280190,1697	1680745,121	3,7
1432	PM	280199,5617	1680778,124	4,437
1433	PRO	282929,1126	1683293,306	5,576
1434	PRO	280625,4851	1682265,905	3,437
1435	PV	282923,4206	1683281,796	5,469
1436	PV	282889,6822	1683273,941	5,177
1437	PV	282891,6445	1683273,166	5,176
1438	PV	282890,9708	1683271,283	5,216
1439	PV	282506,4768	1683242,695	4,617
1440	PV	281942,1798	1683181,75	4,734
1441	PV	281767,8674	1683164,004	4,716
1442	PV	281131,4996	1683035,367	5,184
1443	PV	281071,7904	1683003,171	5,136
1444	PV	281052,1229	1682989,49	5,247
1445	PV	280740,1559	1682860,946	4,072
1446	PV	280597,5663	1682614,863	3,527
1447	PV	280493,2182	1682304,933	3,754
1448	PV	280557,6724	1682033,52	3,793
1449	PV	280554,9957	1682034,222	3,794
1450	PV	280606,082	1682270,661	4,054
1451	PV	280549,1272	1682014,464	3,65
1452	PV	280549,6927	1682016,449	3,686



1453	PV	280547,6928	1682017,007	3,684
1454	PV	280541,9083	1681993,116	3,954
1455	PV	280535,5288	1681972,327	3,757
1456	PV	280531,1312	1681955,302	4,023
1457	PV	280527,9253	1681937,151	3,954
1458	PV	280523,2283	1681913,855	3,954
1459	PV	280521,312	1681914,331	3,892
1460	PV	280520,7936	1681912,439	3,927
1461	PV	280511,467	1681873,007	4,098
1462	PV	280519,0587	1681879,777	3,95
1463	PV	280519,9996	1681879,453	3,978
1464	PV	280520,4016	1681880,573	3,981
1465	PV	280504,0178	1681848,722	4,2
1466	PV	280451,9482	1681685,383	3,498
1467	PV	280517,3583	1681899,731	3,681
1468	PV	280518,7427	1681899,47	3,717
1469	PV	280518,4434	1681898,193	3,75
1470	PV	280485,4829	1681804,697	3,952
1471	PV	280486,7687	1681804,217	3,932
1472	PV	280486,4085	1681802,951	3,925
1473	PV	280473,6512	1681763,852	3,769
1474	PV	280473,2314	1681762,555	3,743
1475	PV	280471,9051	1681762,959	3,76
1476	PV	280461,9463	1681724,823	3,535
1477	PV	280461,6485	1681723,54	3,521
1478	PV	280436,9522	1681642,435	2,824
1479	PV	280427,5946	1681619,296	2,677
1480	PV	280448,2572	1681635,694	3,193
1481	PV	280439,2582	1681613,773	3,062
1482	PV	280424,5649	1681580,828	3,022
1483	PV	280431,3403	1681576,853	3,213
1484	PV	280402,9722	1681512,843	2,92
1485	PV	280412,5533	1681510,872	3,095
1486	PV	280407,2902	1681551,963	2,793
1487	PV	280389,9171	1681482,552	2,988
1488	PV	280391,2628	1681482,267	2,971
1489	PV	280390,8866	1681480,941	2,986
1490	PV	280398,1481	1681479,677	3,165
1491	PV	280404,1038	1681477,294	3,113
1492	PV	280410,965	1681475,824	3,16
1493	PV	280409,2332	1681469,067	3,137
1494	PV	280404,5111	1681469,314	3,473
1495	PV	280380,5923	1681445,854	3,068
1496	PV	280364,7157	1681408,727	3,088
1497	PV	280378,2876	1681404,152	3,139
1498	PV	280366,5852	1681373,243	3,158
1499	PV	280353,3038	1681340,989	3,158
1500	PV	280340,8056	1681345,253	3,095
1501	PV	280340,9073	1681309,273	3,19
1502	PV	280328,6058	1681268,755	2,978
1503	PV	280330,2831	1681221,401	3,337
1504	PV	280323,5996	1681187,436	3,339



1505	PV	280302,1292	1681132,972	2,968
1506	PV	280294,6753	1681107,069	2,958
1507	PV	280260,0443	1680983,249	2,93
1508	PV	280253,389	1680943,561	2,873
1509	PV	280241,5642	1680945,989	2,87
1510	PV	280241,4075	1680944,661	2,85
1511	PV	280240,0082	1680944,858	2,867
1512	PV	280232,6293	1680910,306	2,891
1513	PV	280226,1757	1680873,682	2,842
1514	PV	280206,9957	1680797,983	3,052
1515	PV	280207,0628	1680791,957	2,99
1516	PV	280199,0367	1680756,979	3,105
1517	PV	280163,0029	1680625,241	3,262
1518	PV	280176,2267	1680668,61	3,272
1519	PV	280067,3374	1680289,011	3,651
1520	PVGAS	281928,4645	1683180,278	4,747
1521	PVGAS	281190,2103	1683060,331	4,849
1522	PVGAS	281187,7155	1683059,221	4,84
1523	PVGAS	281186,7572	1683061,327	4,821
1524	PVGAS	280049,8281	1680207,909	3,543
1525	RAM	280772,8437	1682674,796	3,995
1526	RAM	280774,828	1682674,397	4,079
1527	RAM	280777,173	1682675,584	4,184
1528	RAM	280781,7811	1682683,078	5,258
1529	RAM	280780,3066	1682683,959	5,297
1530	RAM	280775,7588	1682676,648	4,135
1531	RAM	280774,575	1682676,16	4,027
1532	RAM	280773,5986	1682676,327	3,984
1533	RAM	280772,0936	1682676,991	3,951
1534	RAM	280253,6748	1680944,41	3,146
1535	RAM	280254,8555	1680952,774	3,01
1536	RAM	280254,2026	1680952,871	2,895
1537	RAM	280254,9066	1680956,885	2,882
1538	RAM	280256,9497	1680956,613	2,996
1539	RES	280418,0558	1681548,609	3,42
1540	RES	280421,0296	1681559,418	4,272
1541	T30	280517,8731	1681900,849	2,232
1542	T40	280071,9035	1680268,672	3,629
1543	T80	280521,3721	1681911,287	1,612
1544	TAL	280626,9706	1682243,869	3,496
1545	TAL	280630,8053	1682244,769	4,795
1546	TAL	280607,2782	1682172,295	3,535
1547	TAL	280609,6501	1682171,548	4,871
1548	TAL	280596,3173	1682122,379	4,647
1549	TAL	280522,8447	1681863,761	4,845
1550	TAL	280546,8687	1681941,128	4,567
1551	TAL	280538,6913	1681911,799	4,693
1552	TB4	280444,4929	1681687,465	2,158
1553	TB4	280454,8009	1681725,012	2,123
1554	TB40	280389,0327	1681542,611	1,151
1555	TB40	280392,9661	1681557,567	1,324
1556	TB40	280404,1623	1681588,863	1,512



1557	TB40	280420,1389	1681622,387	1,444
1558	TB40	280430,0279	1681645,757	1,334
1559	TN	282866,7549	1683276,561	5,267
1560	TN	282849,2734	1683274,6	5,268
1561	TN	282745,6073	1683259,392	5,055
1562	TN	282766,1456	1683263,725	4,903
1563	TN	282469,0866	1683221,612	4,57
1564	TN	282462,0284	1683218,851	5,747
1565	TN	282430,3201	1683217,758	4,476
1566	TN	282430,1773	1683215,459	5,679
1567	TN	282398,7904	1683214,302	4,409
1568	TN	282398,5121	1683211,994	5,891
1569	TN	282359,3166	1683210,796	4,474
1570	TN	282362,7607	1683208,299	5,774
1571	TN	282027,6379	1683176,081	4,814
1572	TN	282028,6962	1683173,042	5,841
1573	TN	282095,775	1683183,419	4,865
1574	TN	282096,3447	1683180,029	6,01
1575	TN	282172,2296	1683190,918	4,789
1576	TN	282160,099	1683186,358	6,042
1577	TN	281874,3887	1683159,681	4,886
1578	TN	281874,3004	1683156,611	5,782
1579	TN	281671,1601	1683138,395	4,365
1580	TN	281726,2496	1683144,554	4,406
1581	TN	281726,519	1683143,172	5,188
1582	TN	281775,7161	1683148,443	5,426
1583	TN	281776,4048	1683150,176	4,722
1584	TN	281832,7942	1683154,933	4,773
1585	TN	281540,825	1683125,516	4,37
1586	TN	281540,0584	1683121,042	4,908
1587	TN	281464,5248	1683116,407	4,274
1588	TN	281465,6336	1683113,033	5,02
1589	TN	281419,6421	1683111,856	4,351
1590	TN	281418,93	1683107,531	5,216
1591	TN	281356,9906	1683104,168	4,545
1592	TN	281357,4835	1683099,493	5,783
1593	TN	281396,5798	1683104,044	5,529
1594	TN	281396,5624	1683111,26	4,44
1595	TN	281230,9396	1683068,822	4,857
1596	TN	281233,9583	1683065,892	6,357
1597	TN	281291,5213	1683082,341	6,094
1598	TN	281290,6205	1683086,916	4,754
1599	TN	281326,5192	1683091,383	6,155
1600	TN	281324,9735	1683096,785	4,663
1601	TN	281354,136	1683103,68	4,585
1602	TN	281357,887	1683098,236	6,091
1603	TN	281224,2262	1683064,295	4,792
1604	TN	280904,342	1682845,153	4,924
1605	TN	280923,3629	1682860,582	5,914
1606	TN	280882,2297	1682823,692	4,791
1607	TN	280898,1495	1682834,256	6,007
1608	TN	280864,7448	1682799,08	4,613



1609	TN	280867,0985	1682798,63	6,031
1610	TN	280832,2133	1682757,883	4,677
1611	TN	280835,8281	1682758,139	6,106
1612	TN	280808,9856	1682725,441	4,374
1613	TN	280810,5839	1682721,681	6,112
1614	TN	280782,006	1682692,747	4,281
1615	TN	280789,3303	1682691,926	4,825
1616	TN	280794,4467	1682696,621	6,142
1617	TN	280800,6777	1682752,467	5,239
1618	TN	280759,7435	1682683,2	4,781
1619	TN	280744,2033	1682657,811	4,578
1620	TN	280702,5928	1682501,91	4,088
1621	TN	280708,0938	1682508,41	5,673
1622	TN	280727,0169	1682573,857	3,921
1623	TN	280731,0456	1682570,873	5,704
1624	TN	280735,6628	1682594,437	3,964
1625	TN	280738,8307	1682591,684	5,785
1626	TN	280750,9965	1682627,37	3,801
1627	TN	280756,952	1682629,153	6,014
1628	TN	280785,3176	1682681,539	5,902
1629	TN	280446,9717	1682230,572	3,443
1630	TN	280460,3458	1682227,555	4,003
1631	TN	280459,8998	1682244,863	3,096
1632	TN	280467,1032	1682249,304	3,844
1633	TN	280465,4832	1682253,025	2,891
1634	TN	280479,5183	1682306,751	3,427
1635	TN	280584,7445	1682180,996	3,67
1636	TN	280586,1135	1682084,73	4,713
1637	TN	280518,9359	1681910,704	2,805
1638	TN	280517,0569	1681914,338	2,755
1639	TN	280512,8799	1681915,716	2,911
1640	TN	280457,2946	1681724,28	3,449
1641	TN	280470,098	1681766,444	3,527
1642	TN	280440,0693	1681667,735	2,886
1643	TN	280333,2426	1681217,959	4,266
1644	TN	280326,6638	1681195,92	4,231
1645	TN	280128,657	1680471,72	5,422
1646	TN	280136,2056	1680492,64	5,032
1647	TN	280147,803	1680526,106	4,752
1648	TN	280156,1504	1680548,08	4,621
1649	TN	280162,6648	1680564,699	4,758
1650	TN	280170,4484	1680590,377	4,609
1651	TN	280185,5565	1680641,117	4,423
1652	TUB	280518,5513	1681901,425	0,692
1653	TUB	280518,8686	1681902,568	1,685
1654	TUB	280518,4982	1681901,229	0,756
1655	TUB	280519,2193	1681903,851	0,917
1656	TX	282920,1393	1683304,529	5,939
1657	TX	282918,5144	1683280,855	5,44
1658	TX	282917,9151	1683271,032	5,38
1659	TX	282914,4381	1683275,433	5,383
1660	TX	282910,6906	1683279,005	5,284



1661	TX	282915,198	1683285,013	5,383
1662	TX	282918,1925	1683291,05	5,562
1663	TX	282894,6672	1683279,639	5,203
1664	TX	282891,2654	1683275,329	5,213
1665	TX	282887,6787	1683270,226	5,149
1666	TX	282880,9474	1683277,073	5,183
1667	TX	282882,2711	1683283,455	5,212
1668	TX	282866,2036	1683283,469	5,172
1669	VAL	280640,4166	1682706,226	3,603
1670	VAL	280630,7724	1682691,875	3,838
1671	VAL	280635,7339	1682690,897	3,936
1672	VAL	280634,5781	1682691,28	3,274
1673	VAL	280632,1716	1682692,262	3,379
1674	VAL	280653,3227	1682722,45	3,68
1675	VAL	280654,4195	1682721,508	2,888
1676	VAL	280654,9923	1682720,336	3,844
1677	VAL	280691,4175	1682776,257	3,589
1678	VAL	280701,5091	1682791,055	3,606
1679	VAL	280704,3653	1682791,173	3,587
1680	VAL	280712,5632	1682805,887	3,769
1681	VAL	280714,4699	1682804,32	3,695