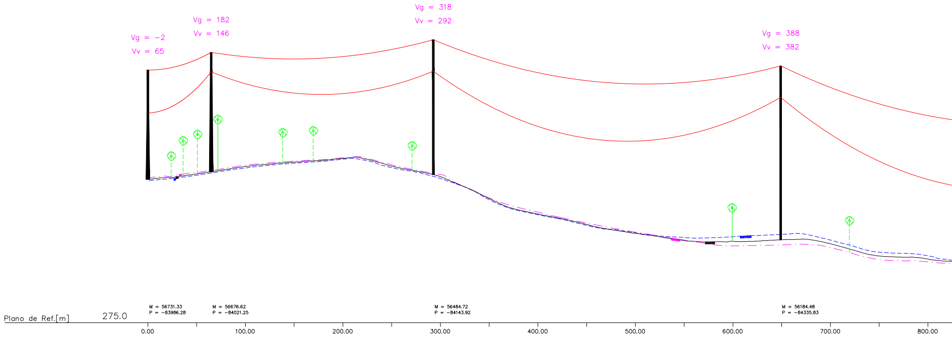
DISTRITO DE ÉVORA

CONCELHO DE BORBA ←|→ CONCELHO DE ESTREMOZ
FREGUESIA DE OURADA
UNIÃO DAS FREGUESIAS DE SÃO LOURENÇO DE MAMPORCÃO E SÃO BENTO DE ANA LOURA

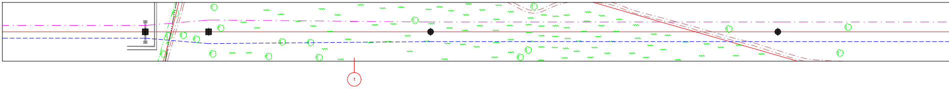
P(−5°C)CG = 463 m
Tra(máx)CG = 432 daN
P(85°C)CC = 216 m
Tra(máx)CC = 678 daN

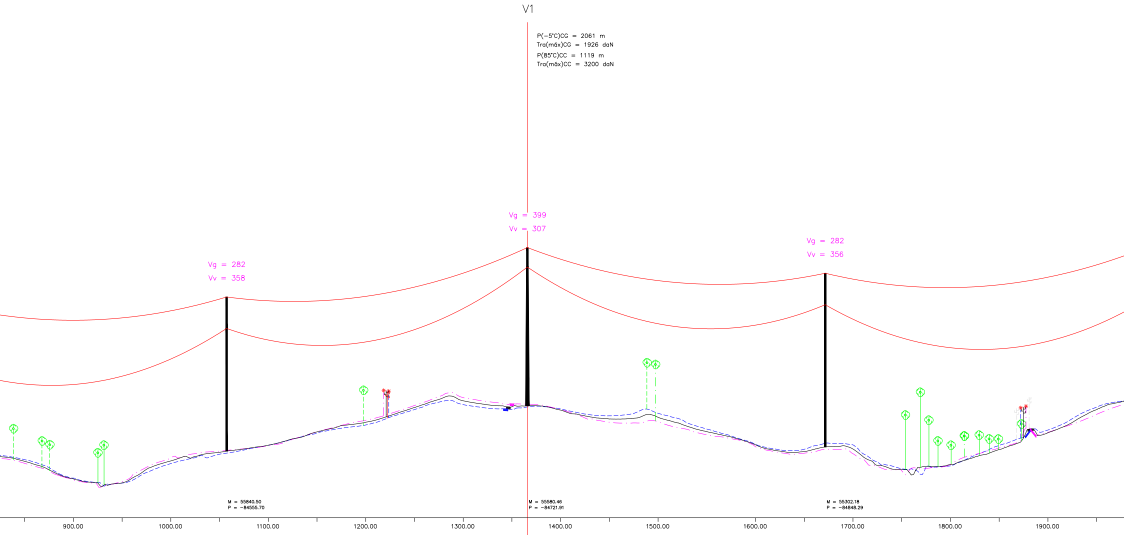
P(−5°C)CG = 2079 m
Tra(máx)CG = 1908 daN
P(85°C)CC = 1105 m
Tra(máx)CC = 3215 daN



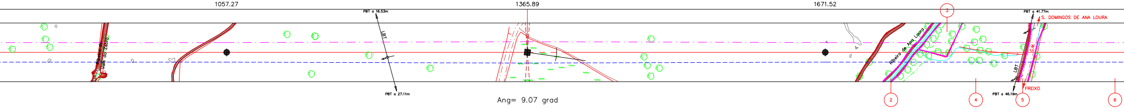
Vg = −2
Vv = 65
Vg = 182
Vv = 146
Vg = 318
Vv = 292
Vg = 388
Vv = 382
M = 56731.33
P = −83986.28
M = 56676.62
P = −84021.25
M = 56484.72
P = −84143.92
M = 56184.48
P = −84335.83
Plano de Ref.[m]
275.0
0.00
100.00
200.00
300.00
400.00
500.00
600.00
700.00
800.00

Distância da Estação à Origem [m]	0.00		64.93		292.69		649.02
Cota do Terreno no Apoio [m]	311.69		313.64		312.93		296.23
Número do apoio	Pórt.		1		2		3
Tipo de Apoio	PAL4/AP20		QT2/AD20		QS3/SD20		QS5/SD20
Tipo de Equipamento	4D4H2M150P5		4D4H2M150N5		4D4K2M150L5/4D4V2M150Q5		4D4K2M150L5/4D4V2M150Q5
Alturas Útil/Total do Apoio [m]	17.00/28.00		25.60/30.60		26.48/34.55		36.48/44.55
Vãos Horizontais [m]	−	64.93	−	227.76	−	356.33	−
Distância do Apoio à Origem [m]	0.00		64.93		292.69		649.02

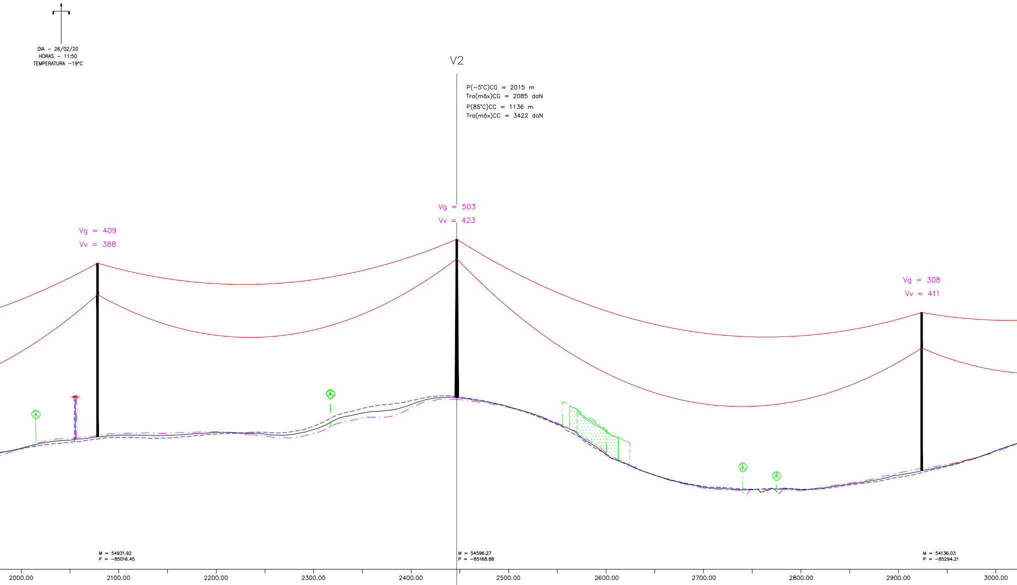



V1
P(−5°C)CG = 2061 m
Tra(máx)CG = 1926 daN
P(85°C)CC = 1119 m
Tra(máx)CC = 3200 daN
Vg = 282
Vv = 358
Vg = 399
Vv = 307
Vg = 282
Vv = 356
M = 55840.50
P = −84555.70
M = 55580.46
P = −84721.91
M = 55302.18
P = −84848.29
900.00
1000.00
1100.00
1200.00
1300.00
1400.00
1500.00
1600.00
1700.00
1800.00
1900.00

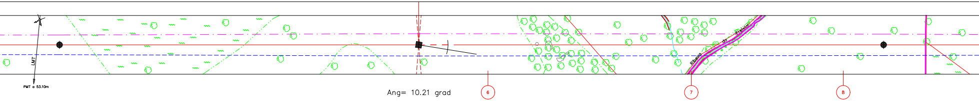
	1057.27		1365.89		1671.52	
	292.07		303.69		293.15	
	4		5		6	
	QS4/SD20		QR4/AD20		QS5/SD20	
	4D4K2M150L5/4D4V2M150Q5		4D4H2M150N5		4D4K2M150L5/4D4V2M150Q5	
	31.48/39.55		35.60/40.60		36.48/44.55	
408.24	–	308.63	–	305.63	–	406.65
	1057.27		1365.89		1671.52	


Ribeira do Vale do Zebro
PBT a 16.53m
LBT
PBT a 27.11m
Ribeira de Ana Loura
3
PBT a 41.77m
S. DOMINGOS DE ANA LOURA
C.M.
LBT
PBT a 46.19m
FREIXO
2
4
5
6

Ang= 9.07 grad


DIA – 26/02/20
HORAS – 11:50
TEMPERATURA –19°C
V2
P(–5°C)CG = 2015 m
Tra(máx)CG = 2085 daN
P(85°C)CC = 1136 m
Tra(máx)CC = 3422 daN
Vg = 409
Vv = 388
Vg = 503
Vv = 423
Vg = 308
Vv = 411
M = 54931.92
P = –85016.45
M = 54596.27
P = –85168.88
M = 54136.03
P = –85294.21
2000.00
2100.00
2200.00
2300.00
2400.00
2500.00
2600.00
2700.00
2800.00
2900.00
3000.00

2078.18		2446.82		2923.82
308.95		319.02		300.27
7		8		9
QS5/SD20		QA4/AD20		QRS4/SD20
4D4K2M150L5/4D4V2M150Q5		4D4H2M150N5		4D4K2M150L5/4D4V2M150R5
36.48/44.55		35.60/40.60		31.48/40.60
–	368.64	–	477.00	–
2078.18		2446.82		2923.82

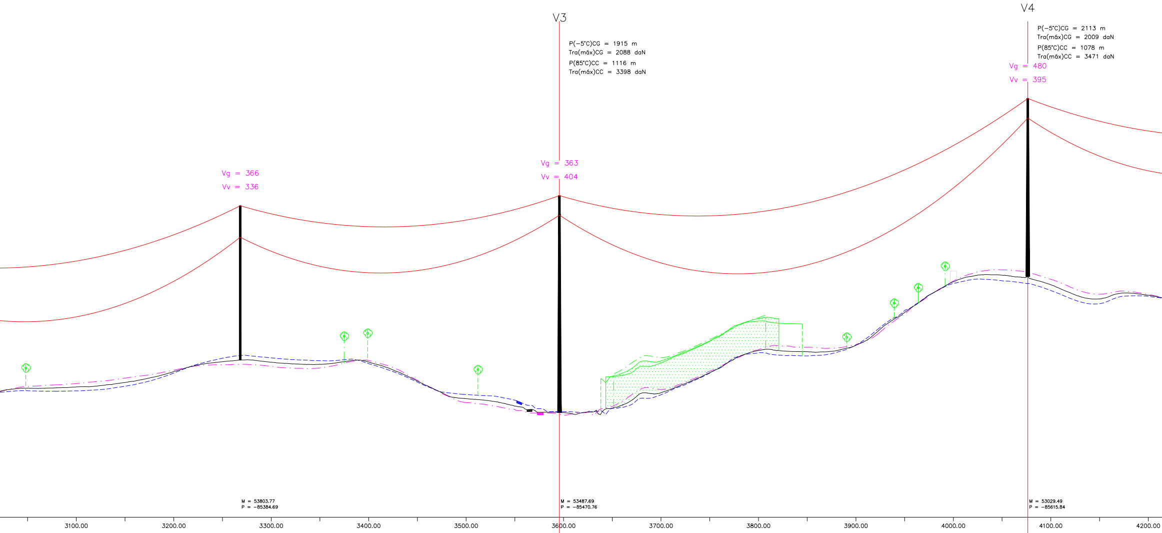

LMT
PMT a 53.10m
Ribeira do Freixial
6
7
8

Ang= 10.21 grad

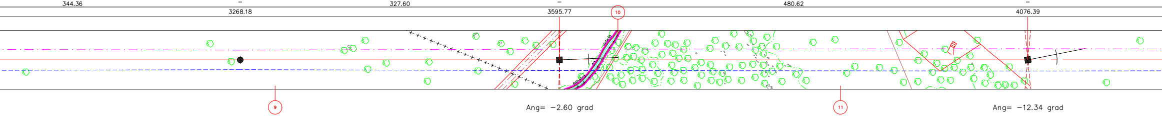
DISTRITO DE ÉVORA
CONCELHO DE ESTREMOZ
FREGUESIA DE SÃO DOMINGOS DE ANA LOURA

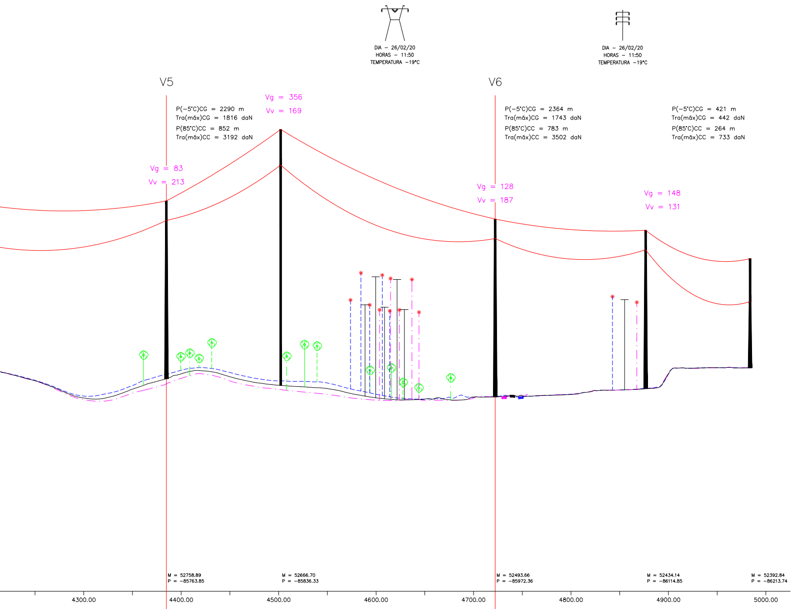
CONCELHO DE ESTREMOZ
UNIÃO DAS FREGUESIAS DE SÃO LOURENÇO DE MAMPORCÃO E SÃO BENTO DE ANA LOURA

CONCELHO DE ESTREMOZ
UNIÃO DAS FREGUESIAS DE SÃO LOURENÇO DE MAMPORCÃO E SÃO BENTO DE ANA LOURA

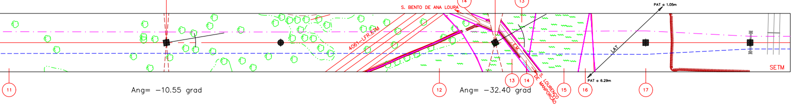

V3
P(−5°C)CG = 1915 m
Tra(máx)CG = 2088 daN
P(85°C)CC = 1116 m
Tra(máx)CC = 3398 daN
V4
P(−5°C)CG = 2113 m
Tra(máx)CG = 2009 daN
P(85°C)CC = 1078 m
Tra(máx)CC = 3471 daN
Vg = 480
Vv = 395
Vg = 366
Vv = 336
Vg = 363
Vv = 404
M = 53803.77
P = −85384.69
M = 53487.69
P = −85470.76
M = 53029.49
P = −85615.84
3100.00
3200.00
3300.00
3400.00
3500.00
3600.00
3700.00
3800.00
3900.00
4000.00
4100.00
4200.00

	3268.18		3595.77		4076.39
	315.26		301.80		336.68
	10		11		12
	QS4/SD20		QR7/AD20		QA5/AD20
	4D4K2M150L5/4D4V2M150Q5		4D4H2M150N5		4D4H2M150N5
	31.48/39.55		50.60/55.60		40.60/45.60
344.36	–	327.60	–	480.62	–
	3268.18		3595.77		4076.39


10
9
Ang= −2.60 grad
11
Ang= −12.34 grad


DIA – 26/02/20
HORAS – 11:50
TEMPERATURA –19°C
DIA – 26/02/20
HORAS – 11:50
TEMPERATURA –19°C
V5
V6
Vg = 356
Vv = 169
P(–5°C)CG = 2290 m
Tra(máx)CG = 1816 daN
P(85°C)CC = 852 m
Tra(máx)CC = 3192 daN
P(–5°C)CG = 2364 m
Tra(máx)CG = 1743 daN
P(85°C)CC = 783 m
Tra(máx)CC = 3502 daN
P(–5°C)CG = 421 m
Tra(máx)CG = 442 daN
P(85°C)CC = 264 m
Tra(máx)CC = 733 daN
Vg = 83
Vv = 213
Vg = 128
Vv = 187
Vg = 148
Vv = 131
M = 52758.89
P = –85763.85
M = 52666.70
P = –85836.33
M = 52493.66
P = –85972.36
M = 52434.14
P = –86114.85
M = 52392.84
P = –86213.74
4300.00
4400.00
4500.00
4600.00
4700.00
4800.00
4900.00
5000.00

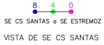
	4384.82		4502.09		4722.20		4876.62		4983.79
	329.43		327.84		324.77		326.89		332.23
	13		14		15		16		Pórt.
	QR5/AD20		QRS9/SD20		QA5/AD20		QT4/AD20		PAL4/AP20
	4D4H2M150N5		4D4K2M150L5/4D4V2M150R5		4D4H2M150N5		4D4H2M150N5		4D4H2M150P5
	40.60/45.60		56.48/65.60		40.60/45.60		35.60/40.60		17.00/28.00
308.44	–	117.27	–	220.11	–	154.41	–	107.17	–
	4384.82		4502.09		4722.20		4876.62		4983.79


S. BENTO DE ANA LOURA
4061–LFR.ETM
E.M.
S. LOURENÇO DE MANPORCÃO
LAT
PAT a 1.05m
PAT a 6.29m
SETM
11
12
13
14
13
14
15
16
17
Ang= –10.55 grad
Ang= –32.40 grad

CONDUTORES: 2xZAMBEZE (ACSR 595)

CABOS DE GUARDA: OPGW + DORKING (ACSR 153)

DISPOSIÇÃO DAS FASES:


8
4
0
SE CS SANTAS a SE ESTREMOZ

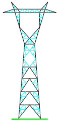
VISTA DE SE CS SANTAS

APOIOS: Pórt. a Pórt.

VÉRTICES: Apoios N°5, N°8, N°11, N°12, N°13 e N°15

CONCELHOS: BORBA
ESTREMOZ

FREGUESIAS: OURADA
UNIÃO DAS FREGUESIAS DE SÃO LOURENÇO
DE MAMPORCÃO E SÃO BENTO DE ANA LOURA
SÃO DOMINGOS DE ANA LOURA



Poste Tipo Q

Revisão	Designação	Des.	Verif.	Aprov.	Data

DESENHO Nº. 2020.01.03
REV.
PROJ. HELDER MATOS
DES. JOSÉ TAVARES
VERIF. THE K ADVIDORS
APROV. AKUO
DATA 15-06-2021
Escala: H=1/2000 V=1/500
F.Nº .
Arquivo:

Desenhado
Verificado
Estado
Data

LINHA CS SANTAS - ESTREMOZ
A 400 kV

PERFIL E PLANTA PARCELAR

Rede Eléctrica Nacional, S.A.

Desenho Nº
Revisão
Formato
Nº folha
Escala H=1/2000 V=1/500
Instalação
Obra