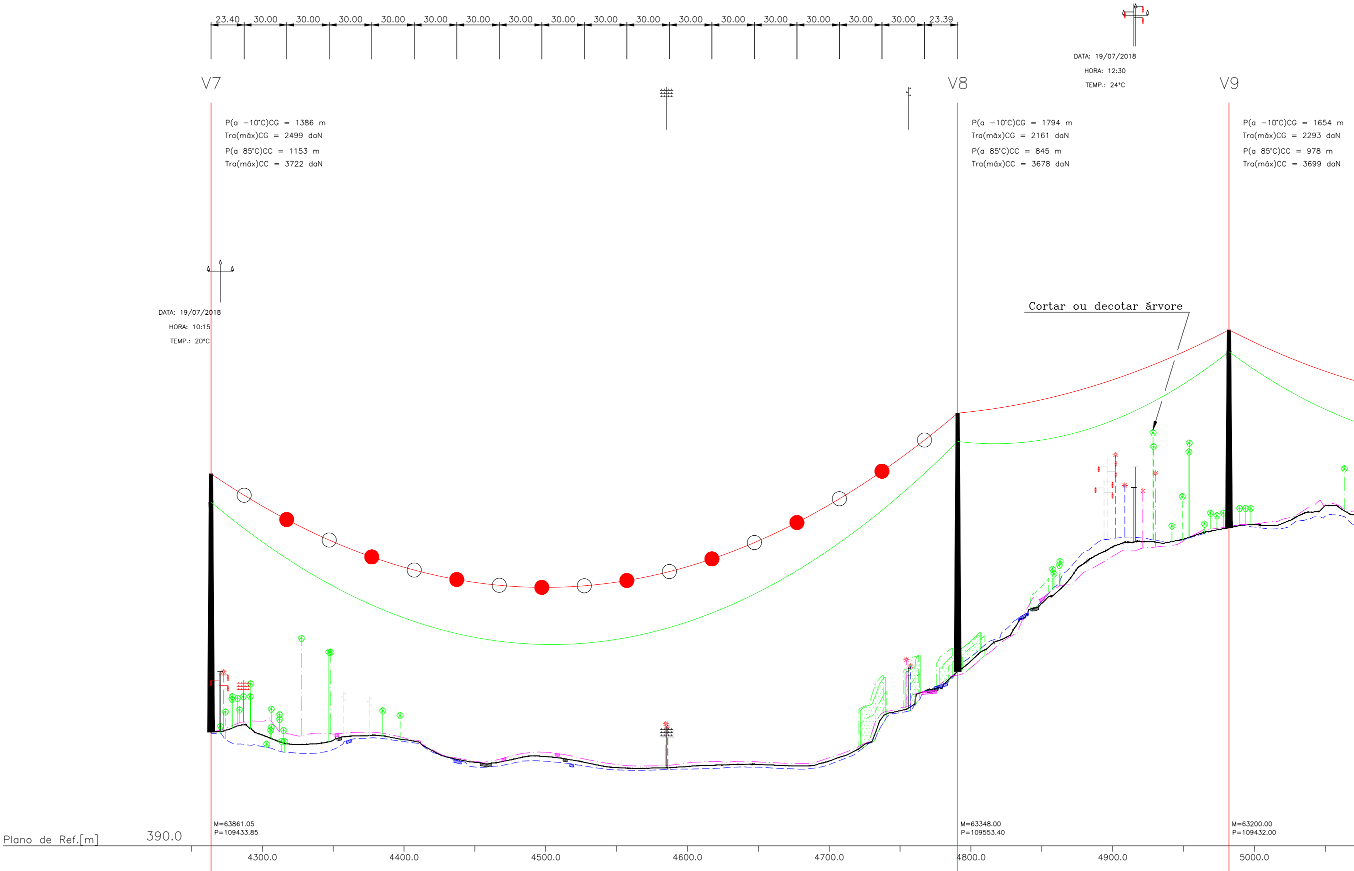
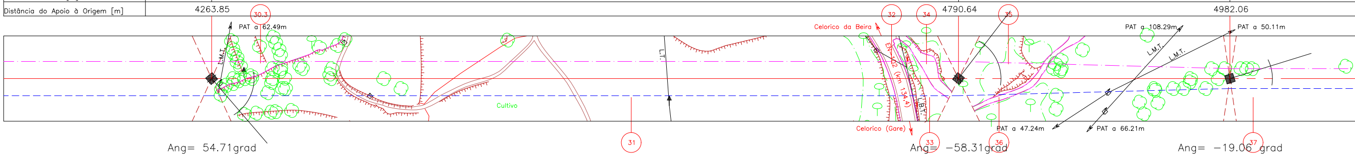
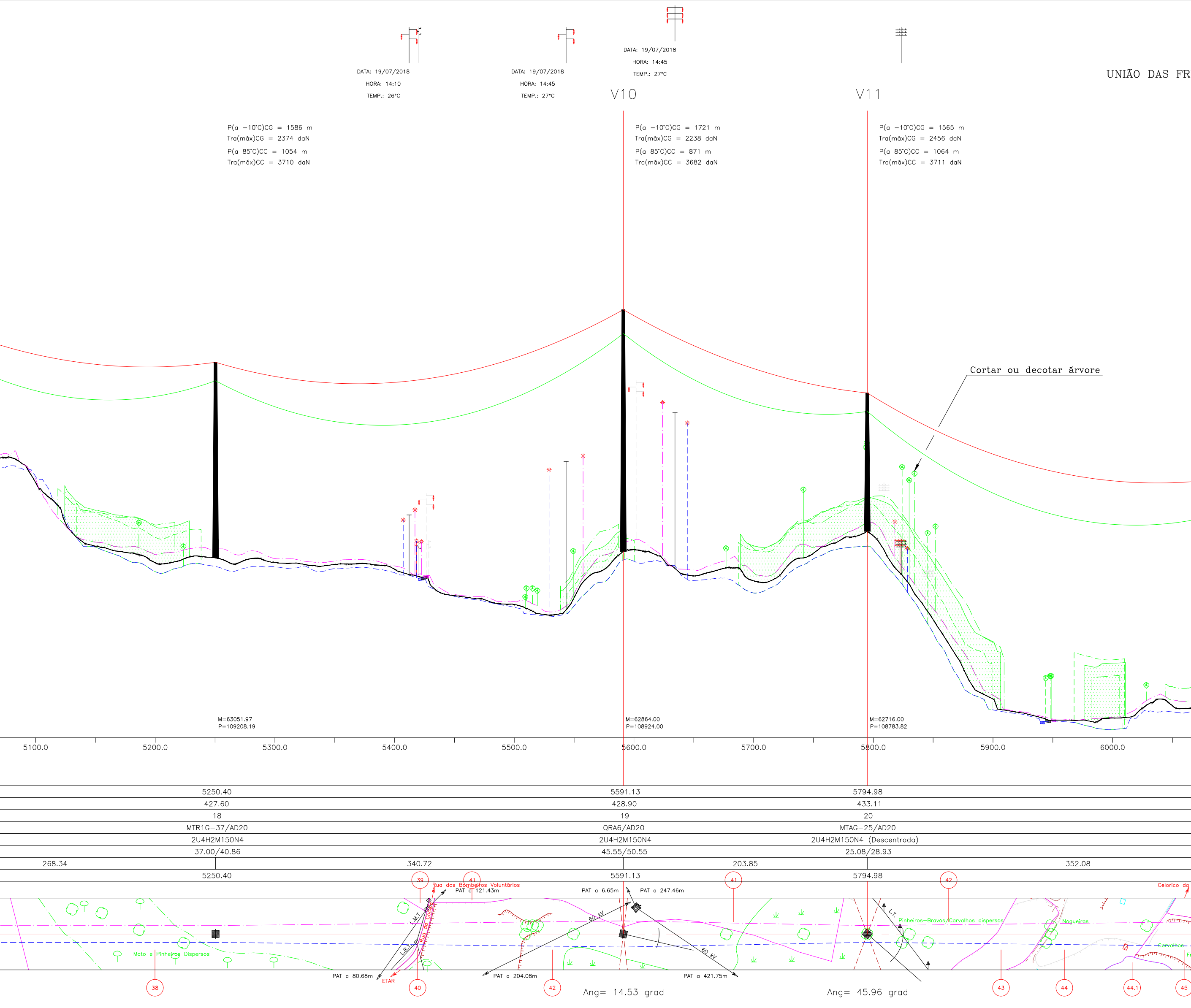
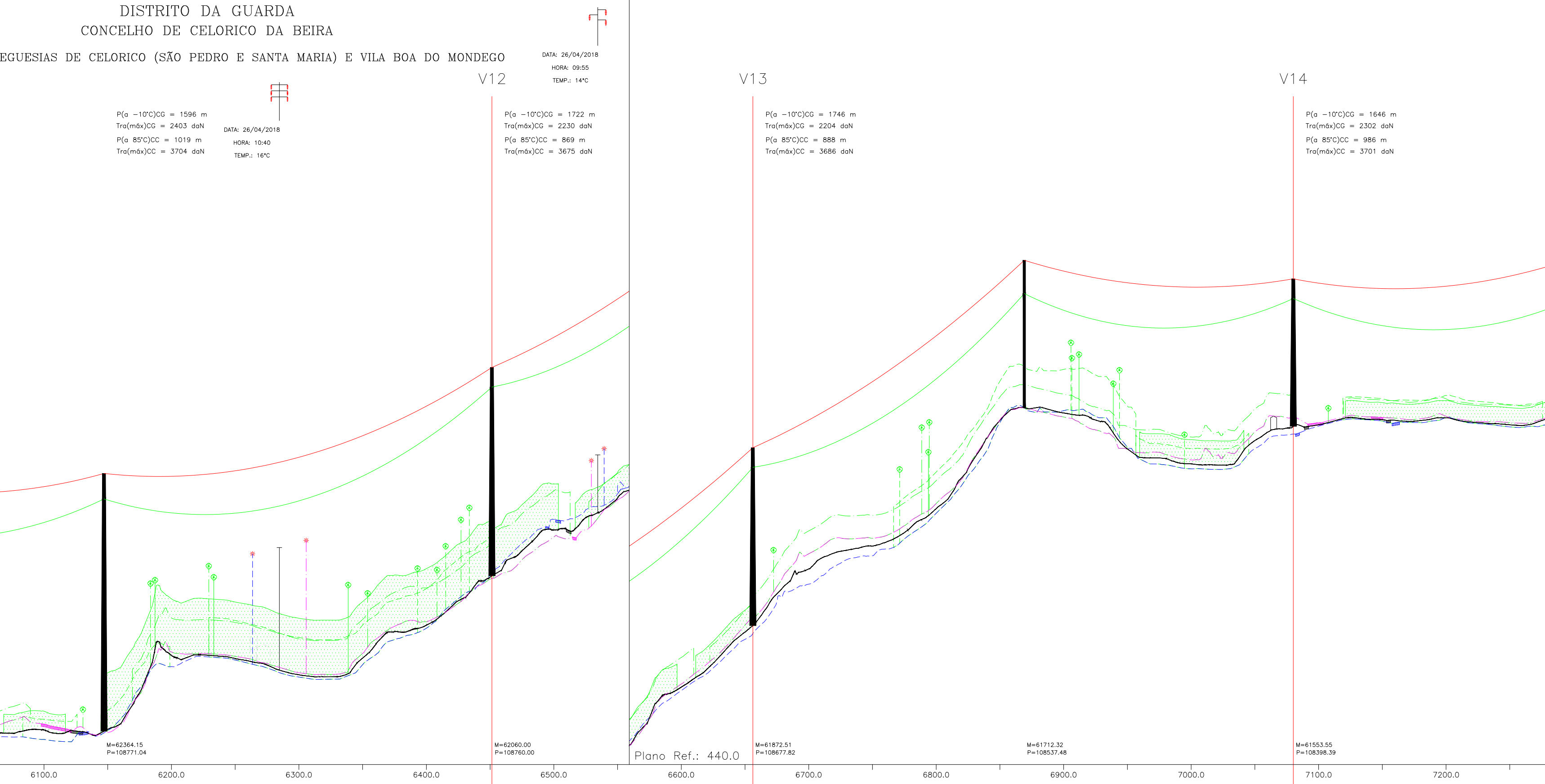

23.40
30.00
30.00
30.00
30.00
30.00
30.00
30.00
30.00
30.00
30.00
30.00
30.00
30.00
30.00
30.00
30.00
23.39
V7
V8
V9
DATA: 19/07/2018
HORA: 12:30
TEMP.: 24°C
P(a −10°C)CG = 1386 m
Tra(máx)CG = 2499 daN
P(a 85°C)CC = 1153 m
Tra(máx)CC = 3722 daN
P(a −10°C)CG = 1794 m
Tra(máx)CG = 2161 daN
P(a 85°C)CC = 845 m
Tra(máx)CC = 3678 daN
P(a −10°C)CG = 1654 m
Tra(máx)CG = 2293 daN
P(a 85°C)CC = 978 m
Tra(máx)CC = 3699 daN
DATA: 19/07/2018
HORA: 10:15
TEMP.: 20°C
Cortar ou decotar árvore
M=63861.05
P=109433.85
M=63348.00
P=109553.40
M=63200.00
P=109432.00
Plano de Ref.[m]
390.0
4300.0
4400.0
4500.0
4600.0
4700.0
4800.0
4900.0
5000.0

Distância da Estação à Origem [m]	4263.85		4790.64		4982.06
Cota do Terreno no Apoio [m]	410.04		420.74		446.08
Número do apoio	15		16		17
Tipo de Apoio	QT5/AD20		QT5/AD20		MTR1G−31/AD20
Tipo de Equipamento	2U4H2M150N4		2U4H2M150N4		2U4H2M150N4
Alturas Útil/Total do Apoio [m]	40.56/45.56		40.56/45.56		31.04/34.89
Vãos Horizontais [m]		526.79		191.42	
Distância do Apoio à Origem [m]	4263.85		4790.64		4982.06

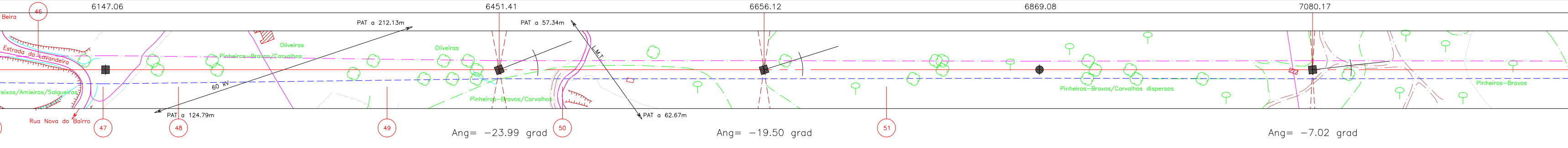

30.3
PAT a 62.49m
L.M.T.
Cultivo
L.T.
31
32
33
34
35
36
37
Celorico da Beira
EN 102 (km 134.4)
L.B.T.
Celorico (Gare)
PAT a 47.24m
PAT a 66.21m
PAT a 108.29m
PAT a 50.11m
L.M.T.
L.M.T.
Ang= 54.71grad
Ang= −58.31grad
Ang= −19.06 grad


UNIÃO DAS FR
DATA: 19/07/2018
HORA: 14:10
TEMP.: 26°C
DATA: 19/07/2018
HORA: 14:45
TEMP.: 27°C
DATA: 19/07/2018
HORA: 14:45
TEMP.: 27°C
V10
V11
P(a -10°C)CG = 1586 m
Tra(máx)CG = 2374 daN
P(a 85°C)CC = 1054 m
Tra(máx)CC = 3710 daN
P(a -10°C)CG = 1721 m
Tra(máx)CG = 2238 daN
P(a 85°C)CC = 871 m
Tra(máx)CC = 3682 daN
P(a -10°C)CG = 1565 m
Tra(máx)CG = 2456 daN
P(a 85°C)CC = 1064 m
Tra(máx)CC = 3711 daN
Cortar ou decotar árvore
M=63051.97
P=109208.19
M=62864.00
P=108924.00
M=62716.00
P=108783.82
5100.0
5200.0
5300.0
5400.0
5500.0
5600.0
5700.0
5800.0
5900.0
6000.0
5250.40
427.60
18
MTR1G-37/AD20
2U4H2M150N4
37.00/40.86
5591.13
428.90
19
QRA6/AD20
2U4H2M150N4
45.55/50.55
5794.98
433.11
20
MTAG-25/AD20
2U4H2M150N4 (Descentrada)
25.08/28.93
268.34
340.72
203.85
352.08
5250.40
5591.13
5794.98
39
41
Rua dos Bombeiros Voluntários
PAT a 121.43m
PAT a 6.65m
PAT a 247.46m
41
42
Celorico da
L.M.T.
L.B.T.
Rua da Cocela
60 kV
60 kV
L.T.
Pinheiros-Bravos/Carvalhos dispersos
Nogueiras
Carvalhos
Fr
Mato e Pinheiros Dispersos
PAT a 80.68m
ETAR
PAT a 204.08m
PAT a 421.75m
38
40
42
Ang= 14.53 grad
Ang= 45.96 grad
43
44
44.1
45

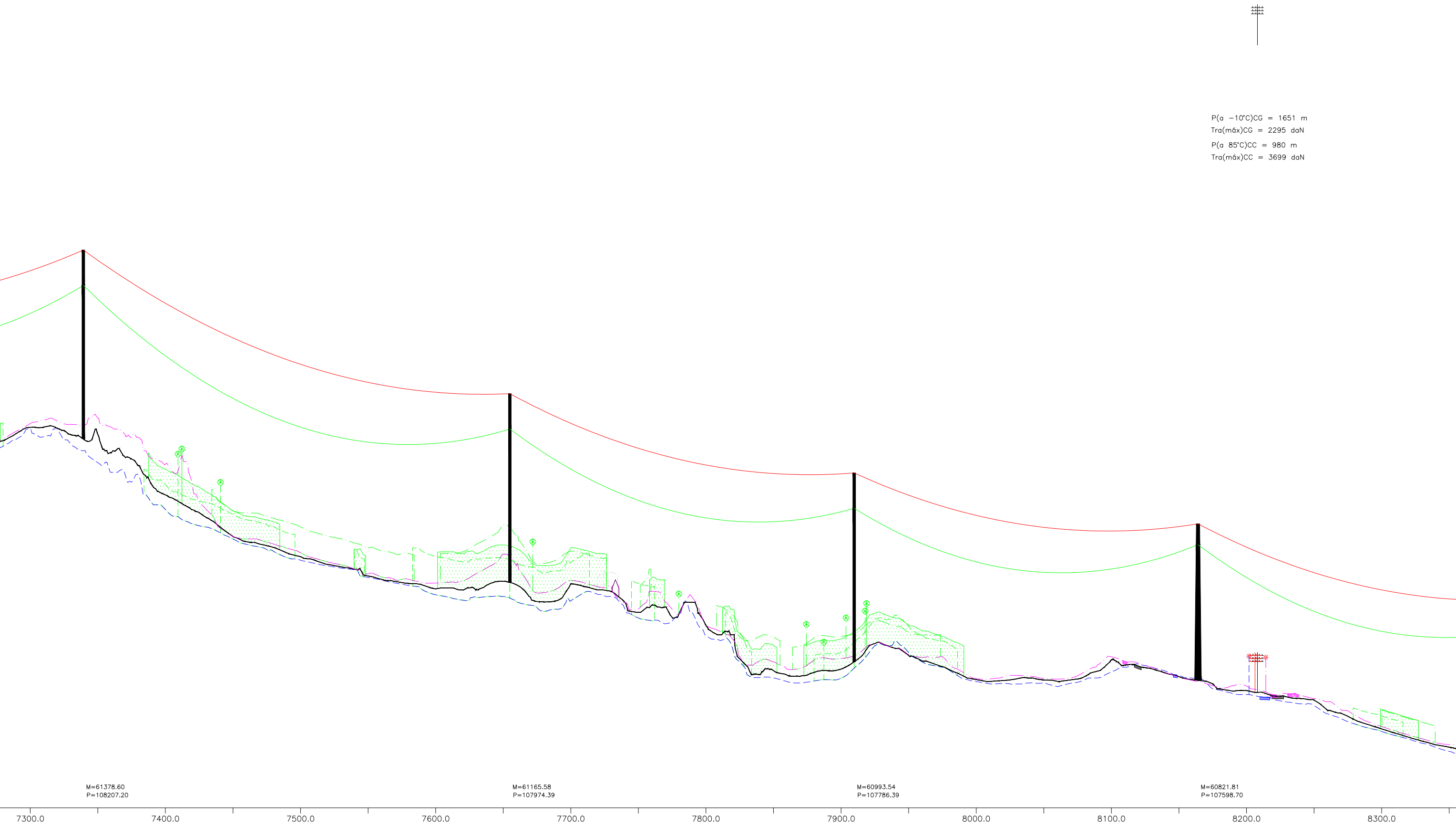
DISTRITO DA GUARDA
CONCELHO DE CELORICO DA BEIRA
EGUESIAS DE CELORICO (SÃO PEDRO E SANTA MARIA) E VILA BOA DO MONDEGO


DATA: 26/04/2018
HORA: 09:55
TEMP.: 14°C
V12
V13
V14
P(a −10°C)CG = 1596 m
Tra(máx)CG = 2403 daN
P(a 85°C)CC = 1019 m
Tra(máx)CC = 3704 daN
DATA: 26/04/2018
HORA: 10:40
TEMP.: 16°C
P(a −10°C)CG = 1722 m
Tra(máx)CG = 2230 daN
P(a 85°C)CC = 869 m
Tra(máx)CC = 3675 daN
P(a −10°C)CG = 1746 m
Tra(máx)CG = 2204 daN
P(a 85°C)CC = 888 m
Tra(máx)CC = 3686 daN
P(a −10°C)CG = 1646 m
Tra(máx)CG = 2302 daN
P(a 85°C)CC = 986 m
Tra(máx)CC = 3701 daN
M=62364.15
P=108771.04
M=62060.00
P=108760.00
Plano Ref.: 440.0
M=61872.51
P=108677.82
M=61712.32
P=108537.48
M=61553.55
P=108398.39
6100.0
6200.0
6300.0
6400.0
6500.0
6600.0
6700.0
6800.0
6900.0
7000.0
7100.0
7200.0

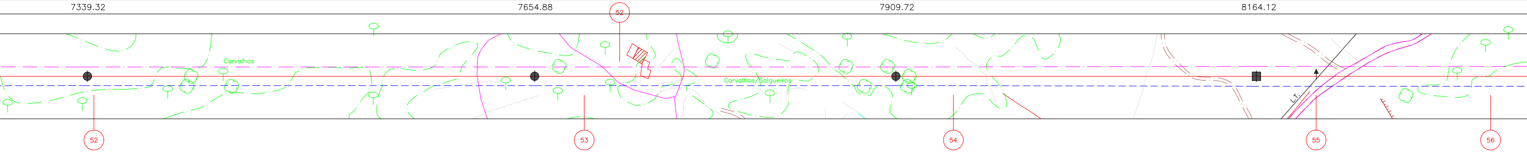
6147.06		6451.41		6656.12		6869.08		7080.17	
396.53		427.02		467.24		509.95		506.31	
21		22		23		24		25	
QRA6/AD20		MTR2G−37/AD20		MTR1G−31/AD20		MT1G−25/SS20		MTR1G−25/AD20	
2U4H2M150N4		2U4H2M150N4		2U4H2M150N4		2U1K1M150L4/2U4V2M150C5		2U4H2M150N4	
45.55/50.55		37.00/40.86		31.04/34.89		22.40/28.93		25.08/28.93	
	304.35		204.71		212.96		211.09		259.15
6147.06		6451.41		6656.12		6869.08		7080.17	

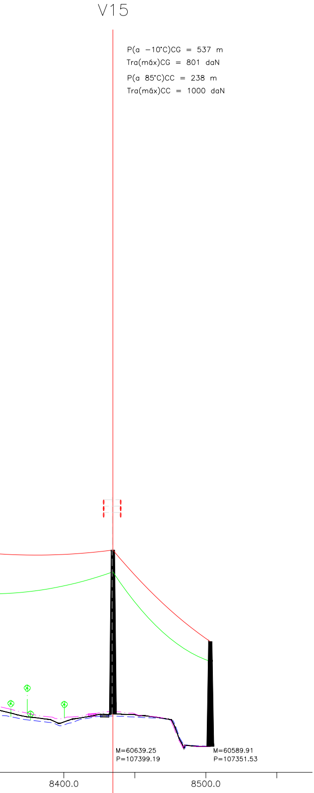

46
Beira
Estrada da Lavandeira
eixos/Amieiros/Salgueiros
Rua Nova do Bairro
47
48
PAT a 124.79m
PAT a 212.13m
60 kV
Oliveiras
Pinheiros−Bravos/Carvalhos
49
Oliveiras
PAT a 57.34m
L.M.T.
Pinheiros−Bravos/Carvalhos
50
PAT a 62.67m
Ang= −23.99 grad
Ang= −19.50 grad
51
Pinheiros−Bravos/Carvalhos dispersos
Ang= −7.02 grad
Pinheiros−Bravos

P(a −10°C)CG = 1651 m
Tra(máx)CG = 2295 daN
P(a 85°C)CC = 980 m
Tra(máx)CC = 3699 daN

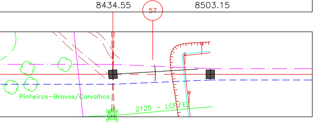

M=61378.60
P=108207.20
M=61165.58
P=107974.39
M=60993.54
P=107786.39
M=60821.81
P=107598.70
7300.0
7400.0
7500.0
7600.0
7700.0
7800.0
7900.0
8000.0
8100.0
8200.0
8300.0

7339.32		7654.88		7909.72		8164.12	
508.19		481.65		467.00		463.56	
26		27		28		29	
MT1G−31/SS20		MT1G−31/SS20		MT1G−31/SS20		MTR1G−25/AD20	
2U1K1M150L4/2U4V2M150C5		2U1K1M150L4/2U4V2M150C5		2U1K1M150L4/2U4V2M150C5		2U4H2M150N4	
28.37/34.90		28.37/34.90		28.37/34.90		25.08/28.93	
	315.56		254.84		254.40		270.43
7339.32		7654.88		7909.72		8164.12	


52
Carvalhos
Carvalhos/Salgueiros
L.T.
52
53
54
55
56


V15
P(a −10°C)CG = 537 m
Tra(máx)CG = 801 daN
P(a 85°C)CC = 238 m
Tra(máx)CC = 1000 daN
M=60639.25
P=107399.19
M=60589.91
P=107351.53
8400.0
8500.0

8434.55		8503.15
450.29		444.58
30		Pórt. (CF)
MTAG−25/AD20		PAL2B/AP20
2U4H2M150N4		2U4H2M150P4
25.08/28.93		15.00/18.50
	68.60	
8434.55		8503.15

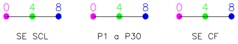

57
Pinheiros−Bravos/Carvalhos
2125 − LCF.FE2

Ang= −3.92 grad

CONDUTORES: ZEBRA (ACSR 485)

CABOS DE GUARDA: OPGW + DORKING (ACSR 153)

DISPOSIÇÃO DAS FASES:


0
4
8
SE SCL
0
4
8
P1 a P30
0
4
8
SE CF

VISTA DA SE SINCELO

APOIOS: N°15 a Pórt.

VÉRTICES: Apoios N°15, N°16, N°17, N°19, N°20, N°22, N°23, N°25 e N°30

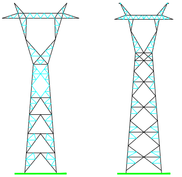
CONCELHO: CELORICO DA BEIRA

FREGUESIA: UNIÃO DAS FREGUESIAS DE CELORICO (SÃO PEDRO E SANTA MARIA) E VILA BOA DO MONDEGO

NOTA:

○ ● ○ → Vão com Balizagem Aérea

Sistema de Coordenadas: ETRS89−TM06


Poste Tipo Q Poste Tipo MTG

Edição	Designação	Des.	Verif.	Aprov.	Data

EGSP
ENERGIA E SISTEMAS DE POTÊNCIA
Proj. F.Rios
Des. F.Rios
Aprov. A.Natário
Data: 2018−08−29
Des. N° LN 0584/2

LINHA SINCELO − CHAFARIZ, A 220kV

PERFIL E PLANTA PARCELAR

edp renováveis
Eólica do Sincelo, S.A.

N° LN0584
Revisão

Escala H=1:2000;V=1:500
N° folha 2