

ANEXO IV. MOVIMIENTO DE TIERRA Y
SUPERFICIES OCUPADAS

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1. PARQUE EÓLICO

1.1 CIMENTACIONES

ZAPATA	VOLUMEN (m ³)				kg ACERO
	EXCAVACIÓN	RELLENO TIERRAS	HORM. LIMPIEZA	HA-30	
AG01	2.570,38	1.804,54	44,12	724,10	74.025,00
AG02	2.570,38	1.804,54	44,12	724,10	74.025,00
AG03	2.570,38	1.804,54	44,12	724,10	74.025,00
AG04	2.570,38	1.804,54	44,12	724,10	74.025,00
AG05	2.570,38	1.804,54	44,12	724,10	74.025,00
AG06	2.570,38	1.804,54	44,12	724,10	74.025,00
AG07	2.570,38	1.804,54	44,12	724,10	74.025,00
AG08	2.570,38	1.804,54	44,12	724,10	74.025,00
AG09	2.570,38	1.804,54	44,12	724,10	74.025,00
TP	133,65	136,33	6,24	35,70	1.867,40
TOTAL	23.267,07	16.377,19	403,32	6.552,60	668.092,40

1.2 PLATAFORMAS Y ZONAS DE ACOPIO

ZONA	PLATAFORMA	VOLUMEN (m ³)				OCUPACIÓN (m ²)
		DESMONTE	TERRAPLÉN	EXCAV. TIERRA VEGETAL	SUBBASE	
AG01	Zapata+grúa	83,68	7.467,37	1.905,58	357,20	5.442,58
	Celosía	311,39	4.289,82	1.110,52		3.177,97
	Acopio palas	0,00	6.441,23	617,51		1.997,41
AG02	Zapata+grúa	3.770,63	317,24	1.841,21	357,20	5.262,43
	Celosía	0,00	3.605,01	1.077,85		3.076,14
	Acopio palas	323,87	125,15	483,17		1.416,72

ZONA	PLATAFORMA	VOLUMEN (m ³)				OCUPACIÓN (m ²)
		DESMONTE	TERRAPLÉN	EXCAV. TIERRA VEGETAL	SUBBASE	
AG03	Zapata+grúa	314,77	5.478,92	1.874,05	357,20	5.359,60
	Celosía	20,35	3.953,45	1.073,35		3.064,35
	Acopio palas	0,00	8.422,96	763,73		2.362,95
AG04	Zapata+grúa	2.812,50	2.228,31	2.002,74	357,20	5.712,21
	Celosía	1.664,35	151,61	999,66		2.855,45
	Acopio palas	1.782,86	203,53	512,12		1.544,33
AG05	Zapata+grúa	5.668,71	84,85	1.839,84	357,20	5.250,78
	Celosía	7.723,01	29,49	1.162,90		3.321,20
	Acopio palas	2.272,39	25,98	444,29		1.396,40
AG06	Zapata+grúa	369,53	1.961,81	1.779,70	357,20	5.090,47
	Celosía	0,00	4.582,12	1.084,31		3.099,69
	Acopio palas	0,00	1.096,77	480,08		1.396,80
AG07	Zapata+grúa	5.480,38	269,16	1.905,37	357,20	5.444,91
	Celosía	36,22	2.066,02	1.015,66		2.901,75
	Acopio palas	1.200,07	29,52	513,71		1.501,41
AG08	Zapata+grúa	2.934,51	1.093,83	1.849,81	357,20	5.280,45
	Celosía	0,00	7.825,69	1.253,07		3.578,95
	Acopio palas	115,22	375,63	492,03		1.419,81
AG09	Zapata+grúa	4.520,26	1.263,16	1.917,49	357,20	5.476,19
	Celosía	143,75	4.746,93	1.121,78		3.202,66
	Acopio palas	681,83	44,51	507,68		1.489,58
TP	Explanada	201,80	21,27	196,90		561,51
SITE CAMP	Explanada	1.461,50	2.039,16	2.077,49		5.936,52
CAMPA ACOPIO	Explanada	852,45	600,88	1.266,15		3.621,29
SET	Explanada	2.111,98	2.823,53	2.308,60		6.587,41
TOTAL		46.858,01	73.664,91	37.478,35	3.214,80	107.829,89

1.3 VIALES

EJE	LONGITUD (m)	VOLUMEN (m ³)				SUPERFICIE DESBROCE (m ²)
		DESMONTE	TERRAPLÉN	EXCAV. TIERRA VEGETAL	FIRME ZAHORRA ARTIFICIAL	
Eje 4-9	4.501,42	10.195,10	20.756,20	4.217,80	5.655,20	42.661,16
Eje 5	369,73	8.340,40	115,90	1.175,70	463,50	6.029,93
Eje 8	4.308,19	6.747,80	7.426,50	4.007,50	5.614,50	38.563,65
Eje 6	265,89	140,10	1.253,90	860,00	378,80	2.453,64
Eje 7	733,54	886,50	513,70	2.265,90	1.054,80	6.685,08
Eje TP	510,57	415,30	408,80	504,70	391,50	2.863,84
Eje Acceso Este	316,01	78,30	889,20	4,20	385,50	2.368,04
Eje Giro 8	60,00	506,50	71,10	296,60	156,40	970,63
Eje Giro 9	60,00	27,50	65,50	17,30	133,80	731,76
TOTAL	11.125,34	27.337,50	2.767,00	13.349,70	12.443,00	103.327,72

1.4 ZANJAS DE RED ELÉCTRICA

TIPO DE ZANJA	ANCHO ZANJA (m)	LONGITUD TOTAL (m)	LONGITUD CRUCE (m)	LONGITUD EN TIERRA (m)	HITOS (uds)	VOLUMEN (m ³)			OCUPACIÓN (m ²)
						DESMONTE	RELLENO	ARENA	
1C	0,47	6.403,52	140,70	6.262,82	135,00	3.339,18	2.258,30	1.177,41	12.807,04
2C	0,79	788,67	9,45	779,22	22,00	685,07	464,52	246,24	1.577,33
3C	1,10	10.281,16	170,10	10.111,06	210,00	12.488,49	8.468,49	4.489,31	20.562,32
Mixta 1	0,79	18,44	0,00	18,44	1,00	16,02	10,92	5,83	36,88
MM	0,45	592,81	13,65	579,16	13,00	170,70	165,78	0,00	1.185,62
TOTAL		18.084,59	333,90	17.750,69	381,00	16.699,46	11.368,01	5.918,78	36.169,18

1.5 BALANCE DE TIERRAS

BALANCE DE TIERRAS				
ELEMENTO	VOLUMEN (m ³)			
	DESMONTE/EXCAVACIÓN	TERRAPLÉN/RELLENO	IMPORTACIÓN TIERRAS	FIRME
Viales	27.337,500	31.500,800	4.163,300	14.234,000
Cimentaciones	23.267,070	16.377,190	-6.889,880	-
Plataformas	46.858,010	73.664,910	26.806,900	3.214,800
Zanjas	16.699,463	11.368,014	-5.331,449	-
TOTAL	114.162,04	132.910,91	18.748,87	17.448,80

2. LÍNEA DE EVACUACIÓN

2.1 LÍNEA AÉREA

Nº APOYO	EXCAVACIÓN (m ³ /bloque)	SUPERFICIE OCUPADA (m ²)
1	5,03	14,52
2	1,51	4,15
3	5,76	15,21
4	1,58	4,91
5	1,49	4,52
6	1,46	3,80
7	5,83	15,21
8	5,94	15,90
9	5,94	15,90
10	1,46	4,52
11	1,46	3,80
12	1,46	3,80
13	1,49	4,52
14	1,51	4,15
15	1,9	6,61
16	1,49	4,52
17	1,46	4,52
18	1,49	4,52
19	1,51	4,15
20	1,49	4,52
21	5,72	14,52
22	5,94	15,90
23	1,46	3,80
24	1,4	3,80

Nº APOYO	EXCAVACIÓN (m³/bloque)	SUPERFICIE OCUPADA (m²)
25	6,45	18,86
26	1,51	4,15
27	4,02	12,57
28	1,46	3,80
29	1,9	6,61
30	1,49	4,52
31	1,51	4,15
32	1,49	4,52
33	1,46	3,80
34	1,46	3,80
35	1,46	4,52
36	1,46	3,80
TOTAL	385,75	256,94

MOVIMIENTO DE TIERRAS	VOLUMEN (m³)
Excavación	385,75
Hormigón	405,08

2.2 LÍNEA SUBTERRÁNEA

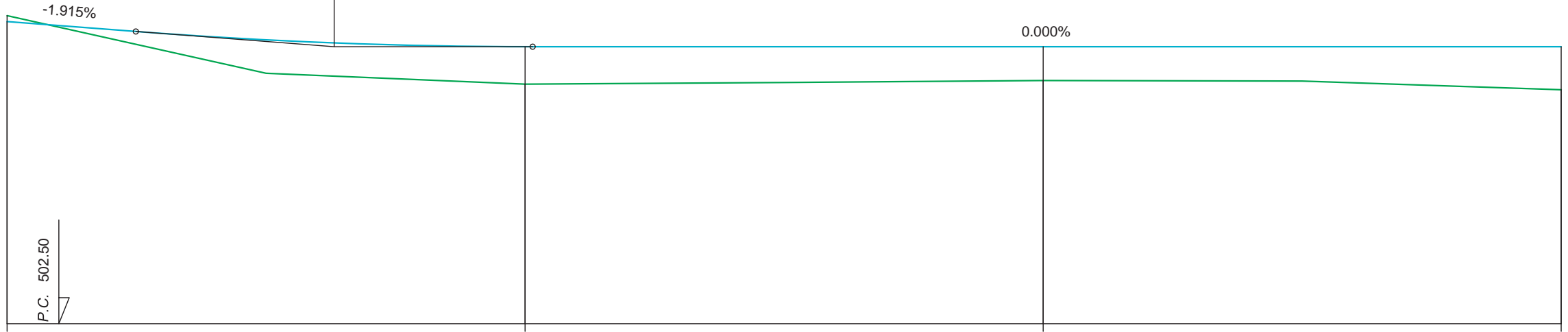
OCUPACIÓN		
TRAMO	LONGITUD (m)	SUPERFICIE OCUPADA (m²)
Zanja terreno en labor	403,6	322,88
Zanja en camino de tierra	590,18	472,14
TOTAL	993,78	795,02

3. DOCUMENTACIÓN GRÁFICA

PK= 0+012.629
 CV= 505.170
 KV= 800.000
 W = 0.019
 Lv= 15.319
 D = -0.037

LEYENDA

	Terreno natural
	Rasante



EH:1/200
 EV:1/50

Eje Giro 9

P.K.		0+000				0+060.000
DISTANCIAS	AL ORIGEN	0.000				60.000
	PARCIALES	0.000	20.000	40.000	60.000	
ORDENADAS	RASANTE	505.412	505.170	505.170	505.170	505.170
	TERRENO	505.469	504.809	504.844	504.844	504.755
COTAS ROJAS	DESMONTE	0.058				
	TERRAPLEN		0.361	0.326		0.415
CURVATURA			RECTA L=60.000 m			

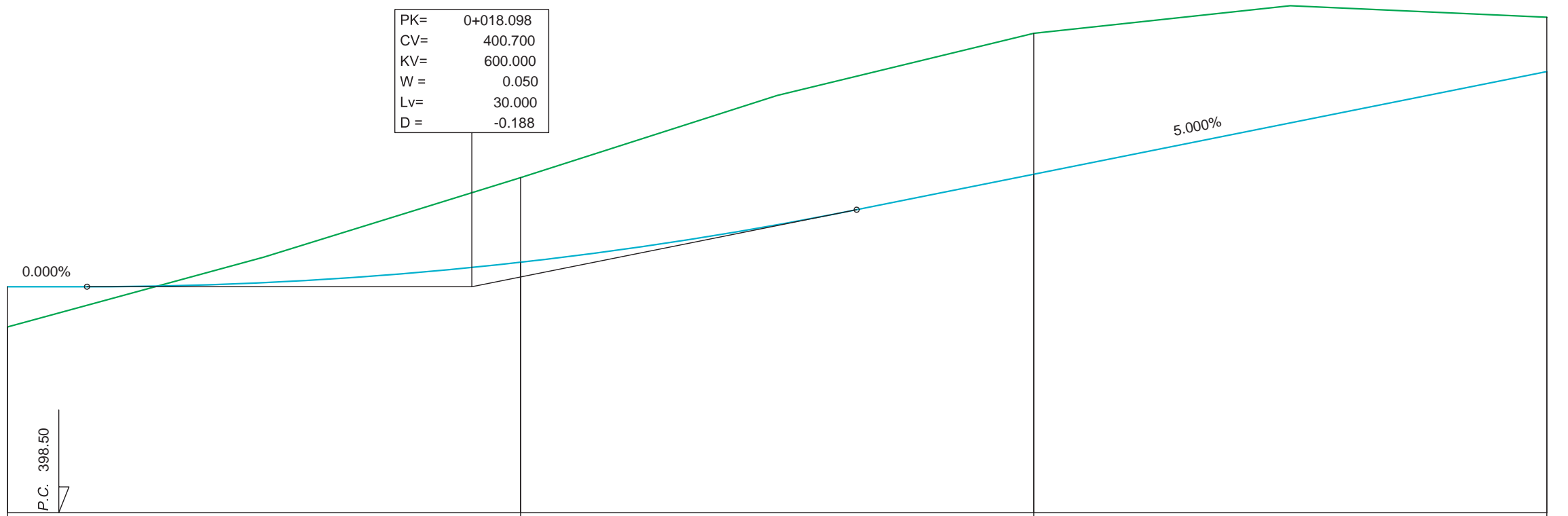
00			ABR/21	APROBADO	SATTEL			SATTEL			SATTEL			CONTRACTOR'S LOGO			PROJECT: PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)			enel Green Power			EGP VALIDATION			UTILIZATION SCOPE			TITLE: PERFILES LONGITUDINALES EJE GIRO 09																																													
REV.			DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	CLASSIFICATION			SCALE:	PLOT SCALE	SHEET:	Engineering & Construction			VERIFIED by			M. VALLEJOR. PRATS			EGP CODE			GROUP			FUNCTION			TYPE			ISSUER			COUNTRY			TEC.			PLANT			SYSTEM			PROGRESSIVE			REVISION																					
A3			H 1/200 V 1/50			1:1			01 di / of 22			COLLABORATORS			GREEN			E			D			7			3			E			S			W			1			4			0			9			4			0			0			0			3			0			0			0		

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LEYENDA

	Terreno natural
	Rasante

PK=	0+018.098
CV=	400.700
KV=	600.000
W =	0.050
Lv=	30.000
D =	-0.188



EH:1/200
 EV:1/50

Eje Giro 8

P.K.		0+000				0+060.000
DISTANCIAS	AL ORIGEN	0.000		20.000		60.000
	PARCIALES	0.000		20.000		20.000
ORDENADAS	RASANTE	400.700		400.938		402.795
	TERRENO	400.308		401.763		403.325
COTAS ROJAS	DESMONTE			0.825		1.373
	TERRAPLEN	0.392				0.530
CURVATURA		RECTA L=60.000 m				



PROJECT: **PARQUE EÓLICO "VIENTOS DEL CIERZO"**
 EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)
 FILE NAME:
 CLASSIFICATION
 FORMAT: **A3** SCALE: **H 1/200 V 1/50** PLOT SCALE: **1:1** SHEET: **02 di / of 22**



Engineering & Construction

EGP VALIDATION

VALIDATED by	E.CABRERO
VERIFIED by	M.VALLEJOR.PRATS
COLLABORATORS	

UTILIZATION SCOPE

GROUP	FUNCTION	TYPE	ISSUER	COUNTRY	TEC.
GREEN	EECD	73E	SW1	409	40003000

TITLE: PERFILES LONGITUDINALES EJE GIRO 08

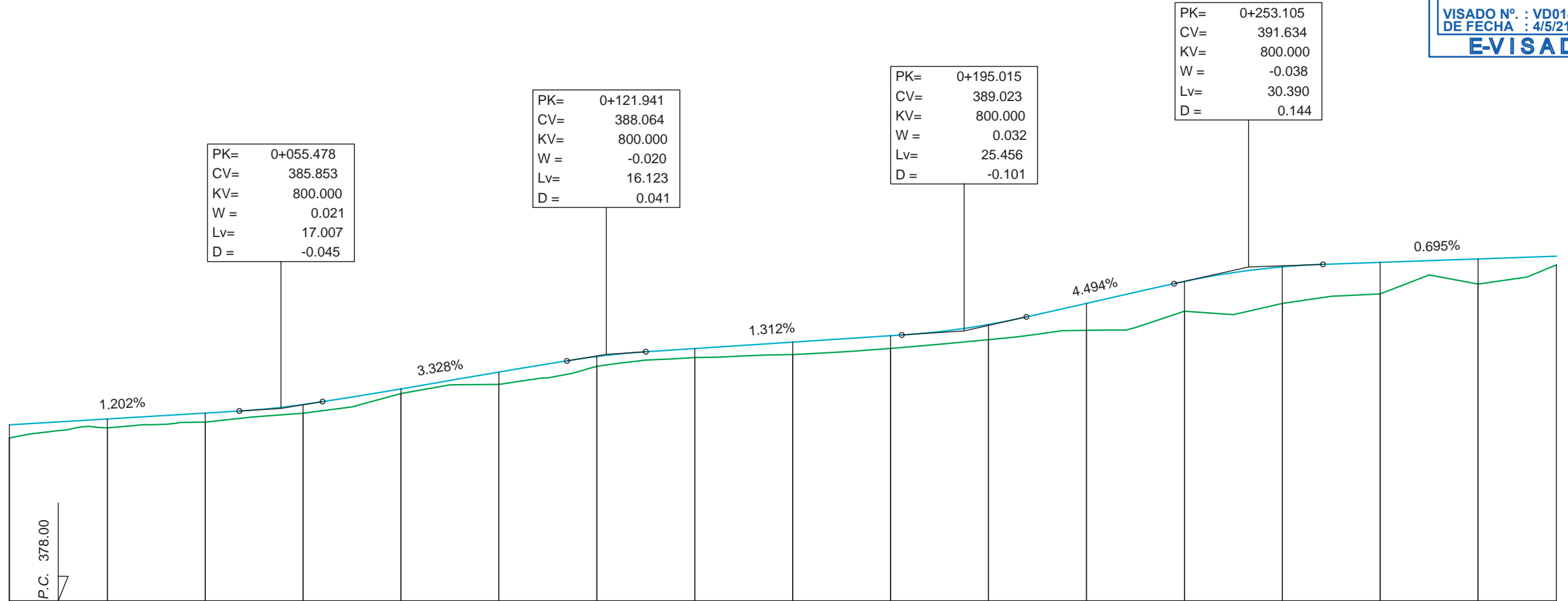
EGP CODE

GROUP	FUNCTION	TYPE	ISSUER	COUNTRY	TEC.	PLANT	SYSTEM	PROGRESSIVE	REVISION
GREEN	EECD	73E	SW1	409	40003000				

00	ABR/21	APROBADO			
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

LEYENDA

	Terreno natural
	Rasante



EH:1/1000
 EV:1/200
Eje Acceso Este

P.K.		0+000										0+100										0+200										0+316.005									
DISTANCIAS	AL ORIGEN	0.000	0.005	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000	316.005	0.000	0.005	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000	316.005				
	PARCIALES	0.000	0.005	19.995	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	16.005	0.000	0.005	19.995	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	16.005			
ORDENADAS	RASANTE	385.186	385.186	385.426	385.667	386.013	386.669	387.334	387.976	388.301	388.564	388.826	389.285	390.146	391.042	391.639	391.821	391.960	392.071	385.186	385.186	385.426	385.667	386.013	386.669	387.334	387.976	388.301	388.564	388.826	389.285	390.146	391.042	391.639	391.821	391.960	392.071				
	TERRENO	384.649	384.649	385.063	385.295	385.659	386.464	386.839	387.577	387.933	388.056	388.306	388.671	389.047	389.827	390.141	390.534	390.935	391.717	384.649	384.649	385.063	385.295	385.659	386.464	386.839	387.577	387.933	388.056	388.306	388.671	389.047	389.827	390.141	390.534	390.935	391.717				
COTAS ROJAS	DESMONTE																																								
	TERRAPLEN	0.537	0.537	0.363	0.371	0.354	0.205	0.496	0.399	0.368	0.507	0.521	0.613	1.099	1.216	1.497	1.287	1.026	0.355	0.537	0.537	0.363	0.371	0.354	0.205	0.496	0.399	0.368	0.507	0.521	0.613	1.099	1.216	1.497	1.287	1.026	0.355				
CURVATURA		R=100 L=27.228 m		RECTA L=81.589 m						R=-170 L=58.204 m				RECTA L=38.672 m				R=-100 L=22.402 m		RECTA L=87.909 m																					



PROJECT: **PARQUE EÓLICO "VIENTOS DEL CIERZO"**
 EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)
 FILE NAME:
 CLASSIFICATION:
 FORMAT: **A3** SCALE: **H 1/1000 V 1/200** PLOT SCALE: **1:1** SHEET: **03 di / of 22**



EGP VALIDATION
 VALIDATED by: **E.CABRERO**
 VERIFIED by: **M.VALLEJOR.PRATS**
 COLLABORATORS:

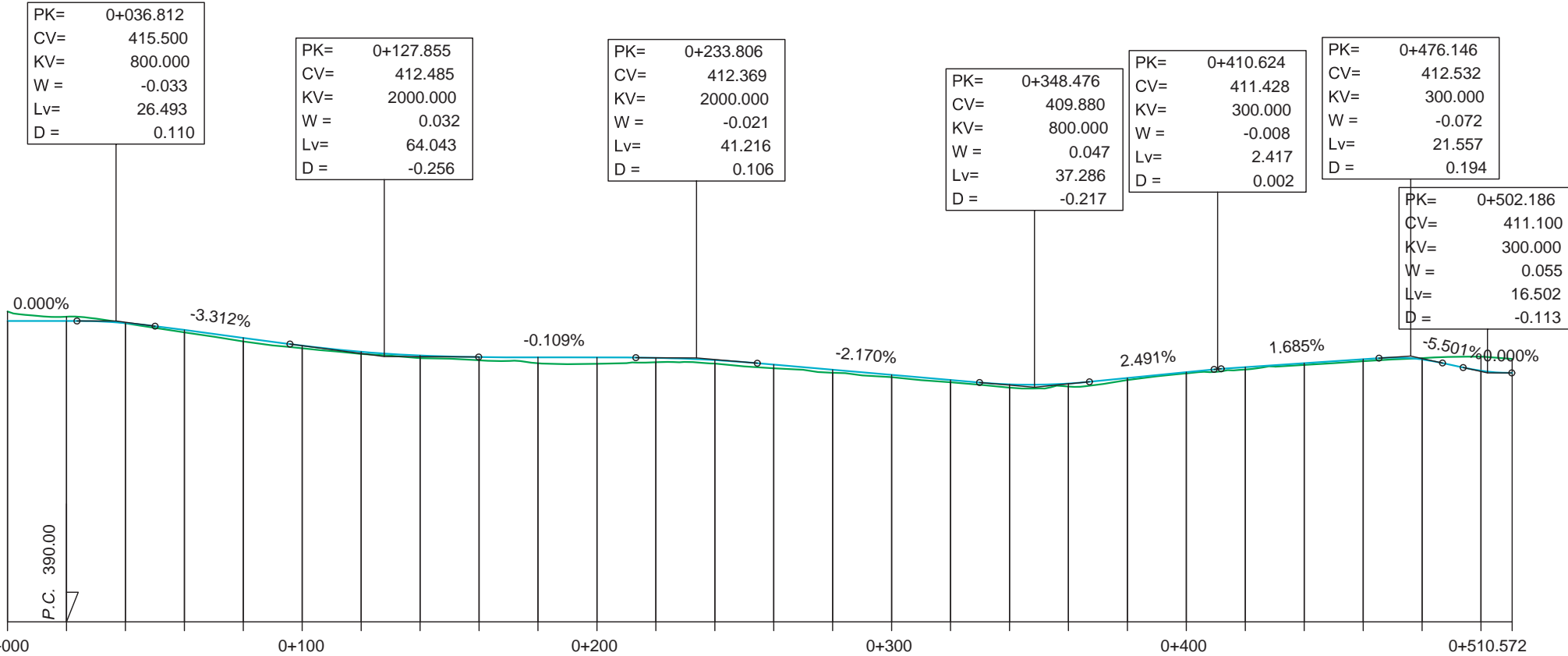
UTILIZATION SCOPE
 TITLE: **PERFILES LONGITUDINALES EJE ACCESO ESTE**

EGP CODE									
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GREECD73ESW140940003000									

00	ABR/21	APROBADO	SATEL	SATEL	SATEL
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

LEYENDA

- Terreno natural
- Rasante



EH:1/2000

EV:1/500

Eje TP

		P.K.																										
DISTANCIAS	AL ORIGEN																											
	0.000	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000	320.000	340.000	360.000	380.000	400.000	420.000	440.000	460.000	480.000	500.000	510.572	
ORDENADAS	PARCIALES																											
	0.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	10.572
COTAS ROJAS	RASANTE																											
	415.500	415.500	415.331	414.732	414.070	413.412	412.891	412.571	412.450	412.428	412.406	412.373	412.183	411.801	411.367	410.933	410.498	410.129	410.199	410.666	411.164	411.586	411.923	412.260	412.240	411.282	411.100	
COTAS ROJAS	TERRENO																											
	416.302	415.858	415.323	414.536	413.766	413.188	412.709	412.350	412.173	411.921	411.875	412.009	411.896	411.490	411.115	410.741	410.305	409.853	409.946	410.498	411.061	411.385	411.781	412.090	412.353	412.472	412.284	
COTAS ROJAS	DESMONTE																											
	0.802	0.358																										
COTAS ROJAS	TERRAPLEN																											
		0.008	0.196	0.304	0.223	0.182	0.220	0.277	0.507	0.531	0.364	0.286	0.311	0.251	0.192	0.194	0.276	0.253	0.167	0.103	0.201	0.142	0.171		0.113	1.190	1.184	
CURVATURA		R=50 L=21.177 m	RECTA L=58.392 m		R=100 L=15.532 m	RECTA L=47.396 m		R=13 L=26.548 m	R=12 L=26.865 m	RECTA L=37.081 m		R=100 L=10.428 m	RECTA L=59.860 m		R=20 L=29.837 m	RECTA L=31.006 m		R=80 L=51.079 m	RECTA L=19.935 m		R=20 L=9.406 m							



PROJECT: **PARQUE EÓLICO "VIENTOS DEL CIERZO"**
 EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)
 FILE NAME:
 CLASSIFICATION:
 FORMAT: **A3** SCALE: **H 1/2000 V 1/500** PLOT SCALE: **1:1** SHEET: **04 di / of 22**



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EGP VALIDATION
 VALIDATED by: E.CABRERO
 VERIFIED by: M.VALLEJOR.PRATS
 COLLABORATORS:

UTILIZATION SCOPE
 EGP CODE: **GREENCD73ESW140940003000**

TITLE: **PERFILES LONGITUDINALES EJE TP**

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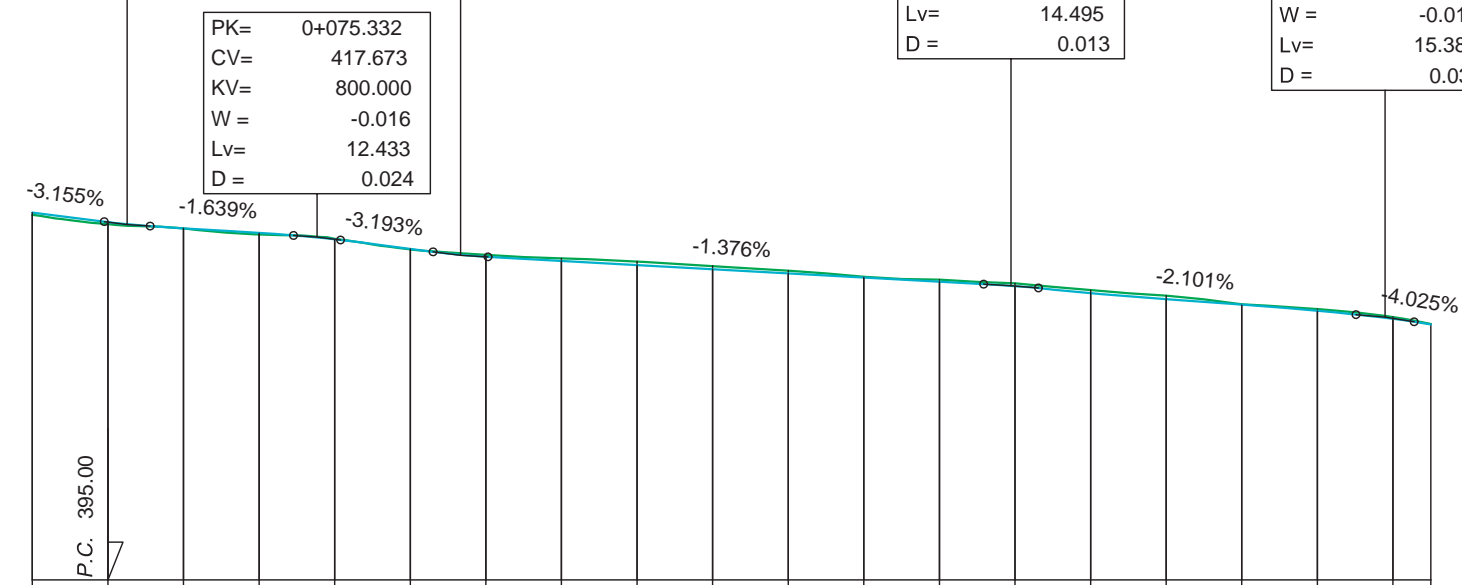
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REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

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LEYENDA

	Terreno natural
	Rasante


PK= 0+025.097	PK= 0+113.293	PK= 0+258.954	PK= 0+357.907
CV= 418.497	CV= 416.461	CV= 414.456	CV= 412.377
KV= 800.000	KV= 800.000	KV= 2000.000	KV= 800.000
W = 0.015	W = 0.018	W = -0.007	W = -0.019
Lv= 12.128	Lv= 14.536	Lv= 14.495	Lv= 15.388
D = -0.023	D = -0.033	D = 0.013	D = 0.037



EH:1/2000
 EV:1/500

Eje 7

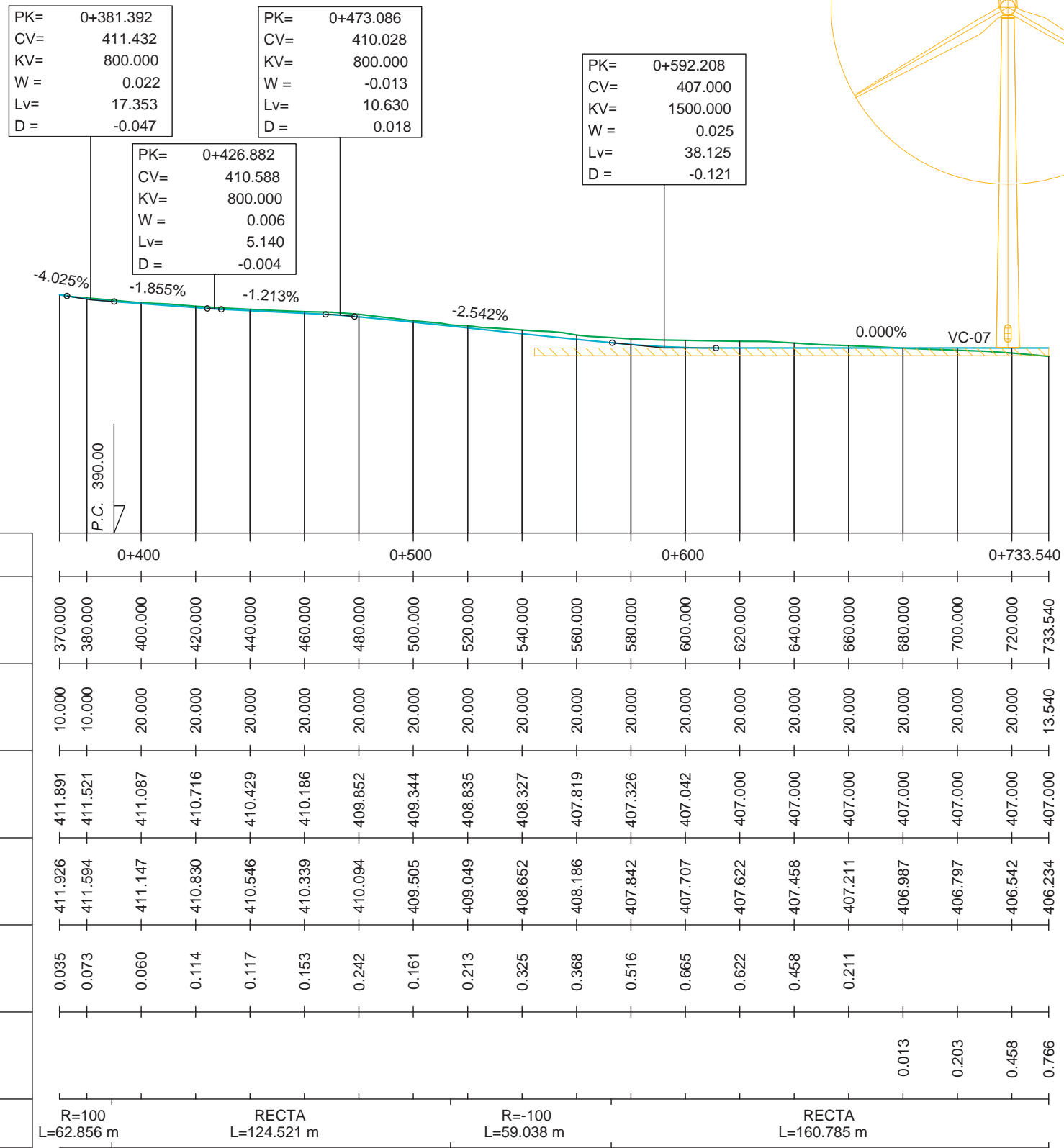
P.K.		0+000	0+100	0+200	0+300																
DISTANCIAS	AL ORIGEN	0.000	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000	320.000	340.000	360.000	370.000
	PARCIALES	0.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000
ORDENADAS	RASANTE	419.289	418.658	418.253	417.925	417.523	416.886	416.369	416.094	415.818	415.543	415.268	414.993	414.717	414.425	414.014	413.594	413.174	412.754	412.273	411.891
	TERRENO	419.141	418.521	418.238	417.834	417.556	416.851	416.497	416.260	416.062	415.764	415.447	415.043	414.851	414.613	414.165	413.791	413.226	412.906	412.401	411.926
COTAS ROJAS	DESMONTE				0.033	0.128	0.166	0.243	0.221	0.179	0.051	0.134	0.188	0.151	0.197	0.052	0.153	0.127	0.035		
	TERRAPLEN	0.148	0.137	0.014	0.091	0.034															
CURVATURA		R=60 L=105.403 m			RECTA L=220.937 m						R=100 L=62.856 m										

CONTRACTOR'S LOGO			PROJECT: PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)				EGP VALIDATION		UTILIZATION SCOPE				TITLE: PERFILES LONGITUDINALES EJE 7					
			FILE NAME:				VALIDATED by: E.CABRERO											
			CLASSIFICATION				VERIFIED by: M.VALLEJOR.PRATS						EGP CODE					
00 ABR/21 APROBADO			FORMAT: A3				COLLABORATORS		GROUP: GREEEC				FUNCTION: D73E					
REV. DATE DESCRIPTION PREPARED CHECKED APPROVED			SCALE: H 1/2000 V 1/500				PLOT SCALE: 1:1		SHEET: 05 di / of 22		ISSUER: SW140940003000				COUNTRY: TEC. PLANT SYSTEM PROGRESSIVE REVISION			

Documento original depositado en los archivos del Colegio Oficial de Ingenieros Industriales de Aragón y La Rioja con Reg. Entrada nº RG01954-21 y VISADO electrónico VD01413-21A de 04/05/2021. CSV = FVNYRZMJXOSGKZY verificable en https://coiiair.e-gestion.es

LEYENDA

	Terreno natural
	Rasante



EH:1/2000
 EV:1/500

Eje 7

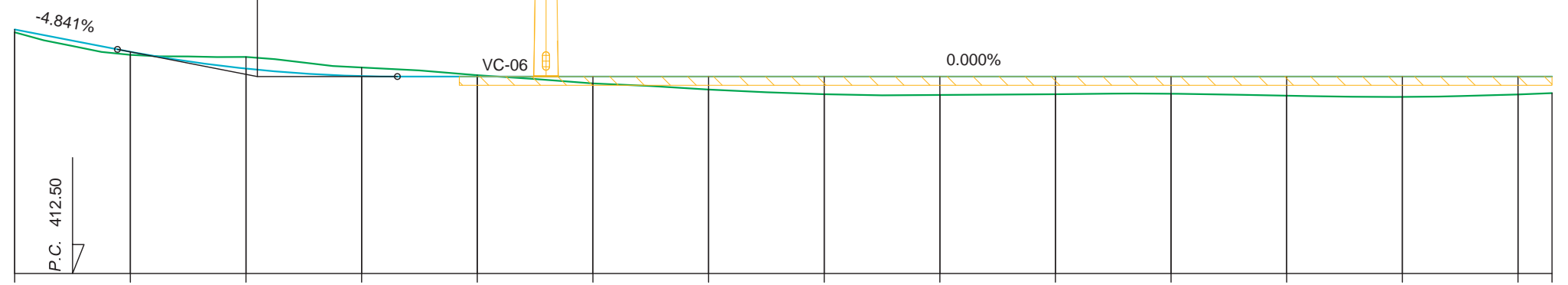
P.K.	DISTANCIAS		ORDENADAS		COTAS ROJAS		CURVATURA
	AL ORIGEN	PARCIALES	RASANTE	TERRENO	DESMONTE	TERRAPLEN	
0+400	370.000	10.000	411.891	411.926	0.035		R=100 L=62.856 m
0+410	380.000	10.000	411.521	411.594	0.073		
0+420	400.000	20.000	411.087	411.147	0.060		
0+430	420.000	20.000	410.716	410.830	0.114		
0+440	440.000	20.000	410.429	410.546	0.117		RECTA L=124.521 m
0+450	460.000	20.000	410.186	410.339	0.153		
0+460	480.000	20.000	409.852	410.094	0.242		
0+470	500.000	20.000	409.344	409.505	0.161		
0+480	520.000	20.000	408.835	409.049	0.213		
0+490	540.000	20.000	408.327	408.652	0.325		R=-100 L=59.038 m
0+500	560.000	20.000	407.819	408.186	0.368		
0+510	580.000	20.000	407.326	407.842	0.516		
0+520	600.000	20.000	407.042	407.707	0.665		
0+530	620.000	20.000	407.000	407.622	0.622		
0+540	640.000	20.000	407.000	407.458	0.458		RECTA L=160.785 m
0+550	660.000	20.000	407.000	407.211	0.211		
0+560	680.000	20.000	407.000	406.987		0.013	
0+570	700.000	20.000	407.000	406.797		0.203	
0+580	720.000	20.000	407.000	406.542		0.458	
0+590	733.540	13.540	407.000	406.234		0.766	

CONTRACTOR'S LOGO			PROJECT: PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)				EGP VALIDATION		UTILIZATION SCOPE				TITLE: PERFILES LONGITUDINALES EJE 7			
			FILE NAME:				VALIDATED by: E.CABRERO									
			CLASSIFICATION				VERIFIED by: M.VALLEJOR.PRATS						EGP CODE			
00 ABR/21 APROBADO			FORMAT: A3				COLLABORATORS		GROUP: GREEN				FUNCTION: ECD			
REV. DATE DESCRIPTION			SCALE: H 1/2000 V 1/500				SHEET: 06 di / of 22		ISSUER: SW14				COUNTRY: 09			
PREPARED			PLOT SCALE: 1:1				Engineering & Construction		TEC. 40				SYSTEM: 00			
CHECKED			SHEET: 06 di / of 22						PLANT: 00				PROGRESSIVE: 3000			
APPROVED			This document is property of Enel Green Power SpA. It is strictly forbidden to reproduce this document, in whole or in part, and to provide to others any related information without the previous written consent by Enel Green Power SpA.						REVISION: 00							

LEYENDA

- Terreno natural
- Rasante

PK= 0+041.976
 CV= 421.000
 KV= 1000.000
 W = 0.048
 Lv= 48.414
 D = -0.293



EH:1/1000
 EV:1/250
Eje 6

P.K.		0+000	0+100	0+200	0+265.889											
DISTANCIAS	AL ORIGEN	0.000	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	265.889
	PARCIALES	0.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	5.889
ORDENADAS	RASANTE	423.032	422.066	421.343	421.019	421.000	421.000	421.000	421.000	421.000	421.000	421.000	421.000	421.000	421.000	421.000
	TERRENO	422.909	421.933	421.847	421.390	421.056	420.703	420.439	420.237	420.205	420.236	420.255	420.171	420.121	420.224	420.285
COTAS ROJAS	DESMONTE			0.504	0.371	0.056										
	TERRAPLEN	0.123	0.133				0.297	0.561	0.763	0.795	0.764	0.745	0.829	0.879	0.776	0.715
CURVATURA		R=100 L=62.067 m					RECTA L=203.822 m									

CONTRACTOR'S LOGO			PROJECT: PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)				EGP VALIDATION		UTILIZATION SCOPE			TITLE: PERFILES LONGITUDINALES EJE 6																																
			FILE NAME:				VALIDATED by: E.CABRERO																																					
			CLASSIFICATION				VERIFIED by: M.VALLEJOR.PRATS					EGP CODE																																
<table border="1"> <tr> <td>00</td> <td>ABR/21</td> <td>APROBADO</td> <td>SATEL</td> <td>SATEL</td> <td>SATEL</td> </tr> <tr> <td>REV.</td> <td>DATE</td> <td>DESCRIPTION</td> <td>PREPARED</td> <td>CHECKED</td> <td>APPROVED</td> </tr> </table>			00	ABR/21	APROBADO	SATEL	SATEL	SATEL	REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	<table border="1"> <tr> <td>FORMAT:</td> <td>SCALE:</td> <td>PLOT SCALE</td> <td>SHEET:</td> </tr> <tr> <td>A3</td> <td>H 1/1000 V 1/250</td> <td>1:1</td> <td>07 di / of 22</td> </tr> </table>		FORMAT:	SCALE:	PLOT SCALE	SHEET:	A3	H 1/1000 V 1/250	1:1	07 di / of 22			<table border="1"> <tr> <td>GROUP</td> <td>FUNCTION</td> <td>TYPE</td> <td>ISSUER</td> <td>COUNTRY</td> <td>TEC.</td> </tr> <tr> <td>GREEN</td> <td>CD</td> <td>73E</td> <td>SW140940003000</td> <td></td> <td></td> </tr> </table>		GROUP	FUNCTION	TYPE	ISSUER	COUNTRY	TEC.	GREEN	CD	73E	SW140940003000						
00	ABR/21	APROBADO	SATEL	SATEL	SATEL																																							
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED																																							
FORMAT:	SCALE:	PLOT SCALE	SHEET:																																									
A3	H 1/1000 V 1/250	1:1	07 di / of 22																																									
GROUP	FUNCTION	TYPE	ISSUER	COUNTRY	TEC.																																							
GREEN	CD	73E	SW140940003000																																									

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LEYENDA

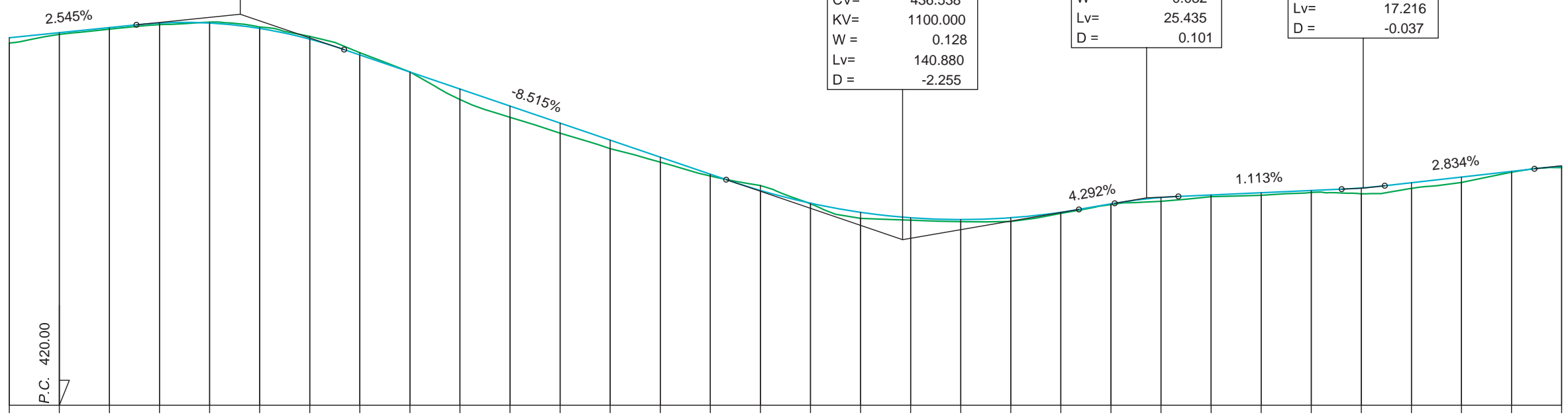
— Terreno natural
 — Rasante

PK= 0+092.260
 CV= 459.061
 KV= 750.000
 W = -0.110
 Lv= 82.948
 D = 1.147

PK= 0+356.762
 CV= 436.538
 KV= 1100.000
 W = 0.128
 Lv= 140.880
 D = -2.255

PK= 0+454.214
 CV= 440.720
 KV= 800.000
 W = -0.032
 Lv= 25.435
 D = 0.101

PK= 0+540.747
 CV= 441.683
 KV= 1000.000
 W = 0.017
 Lv= 17.216
 D = -0.037



EH:1/2000
 EV:1/500

Eje 8

P.K.	DISTANCIAS		ORDENADAS		COTAS ROJAS		CURVATURA
	AL ORIGEN	PARCIALES	RASANTE	TERRENO	DESMONTE	TERRAPLEN	
0+000	0.000	0.000	456.713	456.184		0.529	
0+100	20.000	20.000	457.222	457.057		0.165	R=-60 L=109.736 m
0+200	40.000	20.000	457.731	457.569		0.162	
0+300	60.000	20.000	458.183	458.023		0.160	
0+400	80.000	20.000	458.180	458.268	0.088		
0+500	100.000	20.000	457.643	457.777	0.134		
0+600	120.000	20.000	456.573	456.852	0.279		
0+700	140.000	20.000	454.996	455.219	0.224		
0+800	160.000	20.000	453.293	453.289		0.003	R=-250 L=61.530 m
0+900	180.000	20.000	451.590	450.543		1.047	R=-100 L=47.608 m
0+1000	200.000	20.000	449.886	448.766		1.120	
0+1100	220.000	20.000	448.183	447.180		1.003	
0+1200	240.000	20.000	446.480	445.630		0.851	R=110 L=64.037 m
0+1300	260.000	20.000	444.777	444.290		0.488	
0+1400	280.000	20.000	443.074	442.899		0.175	
0+1500	300.000	20.000	441.456	441.950	0.494		R=100 L=42.364 m
0+1600	320.000	20.000	440.184	440.135		0.049	
0+1700	340.000	20.000	439.275	438.663		0.612	
0+1800	360.000	20.000	438.730	438.487		0.243	RECTA L=108.569 m
0+1900	380.000	20.000	438.548	438.342		0.206	
0+2000	400.000	20.000	438.730	438.361		0.369	
0+2100	420.000	20.000	439.276	439.162		0.114	R=-100 L=18.023 m
0+2200	440.000	20.000	440.110	440.047		0.064	
0+2300	460.000	20.000	440.755	440.370		0.385	RECTA L=65.895 m
0+2400	480.000	20.000	441.007	440.835		0.172	
0+2500	500.000	20.000	441.230	440.970		0.260	
0+2600	520.000	20.000	441.452	441.257		0.196	R=-60 L=48.504 m
0+2700	540.000	20.000	441.706	441.125		0.581	
0+2800	560.000	20.000	442.229	441.666		0.563	
0+2900	580.000	20.000	442.796	442.254		0.542	RECTA L=46.545 m
0+3000	600.000	20.000	443.363	443.282		0.081	
0+3100	620.000	20.000	443.871	443.741		0.130	R=100 L=37.175 m

CONTRACTOR'S LOGO			PROJECT: PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)			EGP VALIDATION		UTILIZATION SCOPE			TITLE: PERFILES LONGITUDINALES EJE 8		
			FILE NAME:			VALIDATED by: E.CABRERO							
CLASSIFICATION			SCALE: H 1/2000 V 1/500			VERIFIED by: M.VALLEJOR.PRATS		EGP CODE			GROUP		
FORMAT: A3			PLOT SCALE: 1:1			COLLABORATORS:		GREEN			FUNCTION		
SHEET: 08 di / of 22			Engineering & Construction					D73E			TYPE		
REV. DATE DESCRIPTION			PREPARED CHECKED APPROVED					SW140940003000			ISSUER		
								COUNTRY			TEC.		
								PLANT			SYSTEM		
								PROGRESSIVE			REVISION		

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LEYENDA

- Terreno natural
- Rasante

PK= 0+631.533
 CV= 444.256
 KV= 1000.000
 W = -0.045
 Lv= 44.753
 D = 0.250

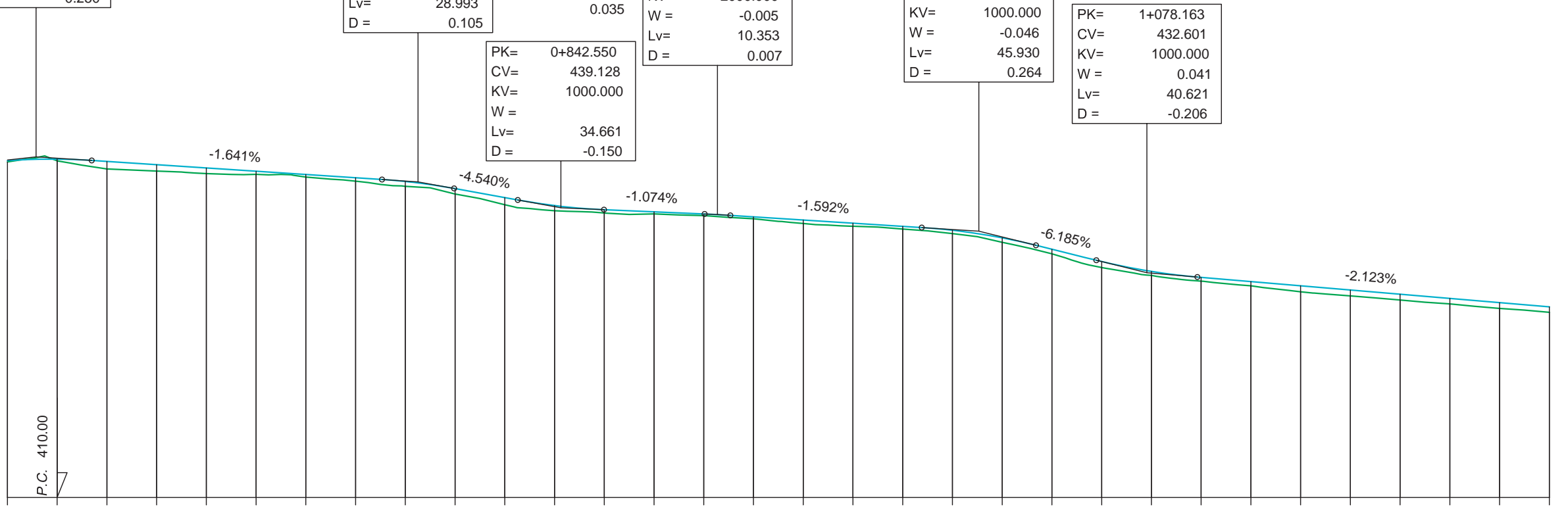
PK= 0+785.125
 CV= 441.736
 KV= 1000.000
 W = -0.029
 Lv= 28.993
 D = 0.105

PK= 0+842.550
 CV= 439.128
 KV= 1000.000
 W =
 Lv= 34.661
 D = -0.150

PK= 0+905.519
 CV= 438.452
 KV= 2000.000
 W = -0.005
 Lv= 10.353
 D = 0.007

PK= 1+010.619
 CV= 436.779
 KV= 1000.000
 W = -0.046
 Lv= 45.930
 D = 0.264

PK= 1+078.163
 CV= 432.601
 KV= 1000.000
 W = 0.041
 Lv= 40.621
 D = -0.206



EH:1/2000
 EV:1/500
Eje 8

DISTANCIAS	P.K.	
	AL ORIGEN	PARCIALES
20.000	620.000	0+700
20.000	640.000	
20.000	660.000	
20.000	680.000	
20.000	700.000	
20.000	720.000	
20.000	740.000	
20.000	760.000	
20.000	780.000	0+800
20.000	800.000	
20.000	820.000	
20.000	840.000	
20.000	860.000	
20.000	880.000	
20.000	900.000	0+900
20.000	920.000	
20.000	940.000	
20.000	960.000	
20.000	980.000	
20.000	1000.000	1+000
20.000	1020.000	
20.000	1040.000	
20.000	1060.000	
20.000	1080.000	
20.000	1100.000	1+100
20.000	1120.000	
20.000	1140.000	
20.000	1160.000	
20.000	1180.000	
20.000	1200.000	1+200
20.000	1220.000	
20.000	1240.000	

ORDENADAS	P.K.	
	RASANTE	TERRENO
443.871	443.741	0+700
444.021	443.853	
443.789	443.038	
443.461	442.824	
443.133	442.565	
442.804	442.496	
442.476	442.222	
442.148	441.811	
441.776	441.285	
441.060	440.521	
440.152	439.431	
439.353	438.829	
438.941	438.603	
438.726	438.513	
438.511	438.341	
438.221	438.031	
437.903	437.551	
437.585	437.275	
437.266	436.986	
436.872	436.539	
436.106	435.657	
434.961	434.498	
433.727	433.122	
432.733	432.331	
432.138	431.757	
431.713	431.288	
431.288	430.680	
430.864	430.270	
430.439	429.855	
430.015	429.462	
429.590	429.015	
429.166	428.618	

COTAS ROJAS	P.K.	
	DESMONTE	TERRAPLEN
0.130	0.130	0+700
0.168	0.168	
0.752	0.752	
0.637	0.637	
0.568	0.568	
0.308	0.308	
0.254	0.254	
0.337	0.337	
0.490	0.490	
0.540	0.540	
0.721	0.721	
0.524	0.524	
0.338	0.338	
0.213	0.213	
0.170	0.170	
0.190	0.190	
0.352	0.352	
0.310	0.310	
0.280	0.280	
0.332	0.332	
0.449	0.449	
0.463	0.463	
0.605	0.605	
0.402	0.402	
0.381	0.381	
0.425	0.425	
0.609	0.609	
0.594	0.594	
0.584	0.584	
0.553	0.553	
0.575	0.575	
0.548	0.548	

CURVATURA	
R=100 L=37.175 m	RECTA L=41.355 m
R=120 L=42.709 m	R=-120 L=44.523 m
RECTA L=45.123 m	R=-100 L=35.140 m
R=350 L=72.479 m	R=-100 L=27.949 m
RECTA L=64.776 m	R=70 L=76.780 m
R=100 L=44.578 m	RECTA L=168.123 m

CONTRACTOR'S LOGO			PROJECT: PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)				EGP VALIDATION		UTILIZATION SCOPE			TITLE: PERFILES LONGITUDINALES EJE 8				
			FILE NAME:				VALIDATED by: E.CABRERO									
			CLASSIFICATION				VERIFIED by: M.VALLEJOR.PRATS					EGP CODE				
			FORMAT: A3		SCALE: H 1/2000 V 1/500		PLOT SCALE: 1:1		SHEET: 09 di / of 22		Engineering & Construction		COLLABORATORS			
00 ABR/21 APROBADO			SATL		SATL		SATL		GROUP: GREEEC		FUNCTION: D73E		ISSUER: SW140940003000		SYSTEM: SW140940003000	
REV. DATE DESCRIPTION			PREPARED		CHECKED		APPROVED									

LEYENDA

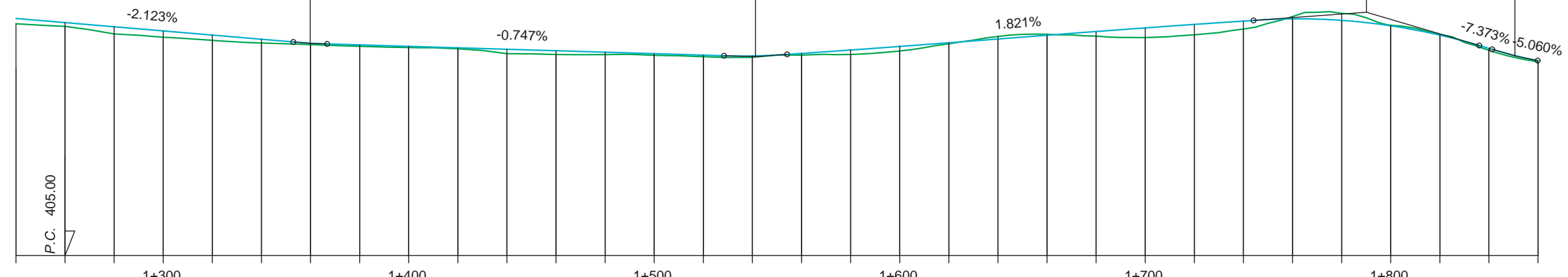
	Terreno natural
	Rasante

PK=	1+359.866
CV=	426.621
KV=	1000.000
W =	0.014
Lv=	13.762
D =	-0.024

PK=	1+541.266
CV=	425.266
KV=	1000.000
W =	0.026
Lv=	25.681
D =	-0.082

PK=	1+790.075
CV=	429.798
KV=	1000.000
W =	-0.092
Lv=	91.944
D =	1.057

PK=	1+850.591
CV=	425.336
KV=	800.000
W =	0.023
Lv=	18.506
D =	-0.054



EH:1/2000
 EV:1/500
Eje 8

DISTANCIAS	P.K.	
	AL ORIGEN	PARCIALES
	1240.000	1260.000
	1280.000	1300.000
	1320.000	1340.000
	1360.000	1380.000
	1400.000	1420.000
	1440.000	1460.000
	1480.000	1500.000
	1520.000	1540.000
	1560.000	1580.000
	1600.000	1620.000
	1640.000	1660.000
	1680.000	1700.000
	1720.000	1740.000
	1760.000	1780.000
	1800.000	1820.000
	1840.000	1860.000

ORDENADAS	P.K.	
	RASANTE	TERRENO
429.166	428.618	
428.741	428.354	
428.316	427.586	
427.892	427.249	
427.467	426.932	
427.043	426.663	
426.643	426.498	
426.471	426.311	
426.321	426.200	
426.172	426.073	
426.023	425.569	
425.873	425.492	
425.724	425.480	
425.575	425.407	
425.425	425.271	
425.343	425.199	
425.608	425.422	
425.972	425.499	
426.336	425.845	
426.700	426.576	
427.065	427.327	
427.429	427.552	
427.793	427.361	
428.158	427.201	
428.522	427.498	
428.886	428.084	
429.124	429.357	
428.970	429.684	
428.417	428.478	
427.463	427.544	
426.117	425.917	
424.860	424.754	

COTAS ROJAS	P.K.	
	DESMONTE	TERRAPLEN
		0.548
		0.387
		0.731
		0.643
		0.535
		0.380
		0.145
		0.159
		0.121
		0.099
		0.453
		0.382
		0.244
		0.168
		0.154
		0.143
		0.185
		0.473
		0.491
		0.125
		0.263
		0.123
		0.233
		0.713
		0.062
		0.081
		0.200
		0.106

CURVATURA	
RECTA	L=168.123 m
R=-360	L=251.840 m
R=160	L=34.349 m
R=100	L=96.136 m
R=-100	L=102.447 m
R=100	L=56.357 m
R=-120	L=50.990 m

CONTRACTOR'S LOGO			PROJECT: PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)				EGP VALIDATION		UTILIZATION SCOPE			TITLE: PERFILES LONGITUDINALES EJE 8		
			FILE NAME:				VALIDATED by: E.CABRERO							
			CLASSIFICATION				VERIFIED by: M.VALLEJOR.PRATS					EGP CODE		
00 ABR/21 APROBADO			FORMAT: A3				COLLABORATORS		GROUP: GREEEC			FUNCTION: D73E		
REV. DATE DESCRIPTION			SCALE: H 1/2000 V 1/500				SHEET: 10 di / of 22		ISSUER: SW140940003000			TYPE: SW140940003000		
PREPARED CHECKED APPROVED			PLOT SCALE: 1:1				Engineering & Construction		COUNTRY: SW140940003000			SYSTEM: SW140940003000		
			SHEET: 10 di / of 22						TEC. PLANT			PROGRESSIVE REVISION		

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LEYENDA

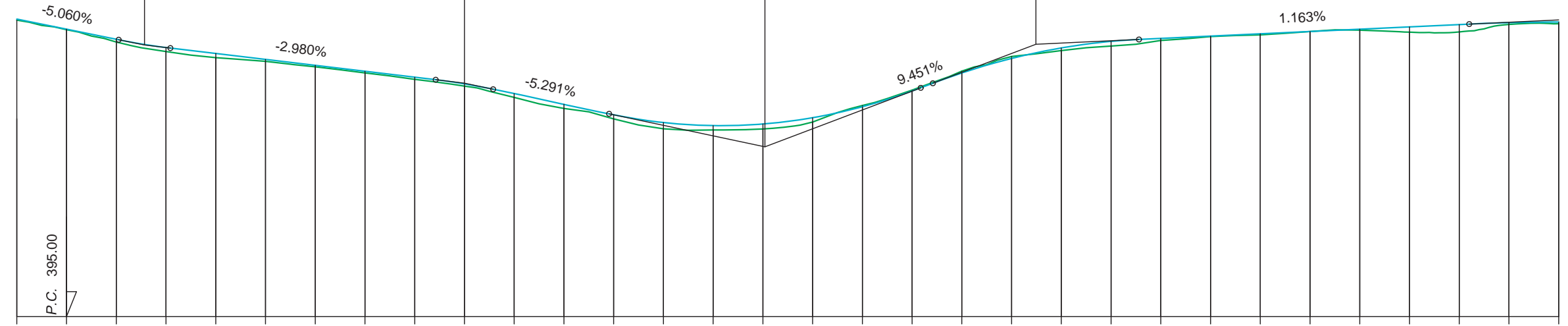
	Terreno natural
	Rasante

PK=	1+911.352
CV=	422.262
KV=	1000.000
W =	0.021
Lv=	20.801
D =	-0.054

PK=	2+039.989
CV=	418.429
KV=	1000.000
W =	-0.023
Lv=	23.112
D =	0.067

PK=	2+160.814
CV=	412.036
KV=	850.000
W =	0.147
Lv=	125.302
D =	-2.309

PK=	2+269.784
CV=	422.335
KV=	1000.000
W =	-0.083
Lv=	82.878
D =	0.859



EH:1/2000
 EV:1/500
Eje 8

DISTANCIAS	P.K.		ORDENADAS		COTAS ROJAS		CURVATURA
	AL ORIGEN	PARCIALES	RASANTE	TERRENO	DESMONTE	TERRAPLEN	
20.000	1860.000	1880.000	424.860	424.754	0.106		R=-120 L=50.990 m
20.000	1880.000	1900.000	423.848	423.796	0.052		
20.000	1900.000	1920.000	422.836	422.552	0.284		
20.000	1920.000	1940.000	422.006	421.609	0.397		
20.000	1940.000	1960.000	421.408	420.991	0.417		
20.000	1960.000	1980.000	420.812	420.622	0.190		
20.000	1980.000	2000.000	420.216	420.071	0.146		
20.000	2000.000	2020.000	419.620	419.453	0.168		RECTA L=56.433 m
20.000	2020.000	2040.000	419.025	418.813	0.212		R=-100 L=18.401 m
20.000	2040.000	2060.000	418.362	418.138	0.224		
20.000	2060.000	2080.000	417.370	417.004	0.366		
20.000	2080.000	2100.000	416.312	415.891	0.421		
20.000	2100.000	2120.000	415.256	414.838	0.418		RECTA L=94.105 m
20.000	2120.000	2140.000	414.476	413.851	0.625		
20.000	2140.000	2160.000	414.167	413.727	0.440		
20.000	2160.000	2180.000	414.329	413.842	0.487		
20.000	2180.000	2200.000	414.961	414.525	0.436		
20.000	2200.000	2220.000	416.063	416.182	0.119	0.119	R=-150 L=114.369 m
20.000	2220.000	2240.000	417.637	417.735	0.099	0.099	
20.000	2240.000	2260.000	419.452	419.637	0.185	0.185	
20.000	2260.000	2280.000	420.909	421.102	0.193	0.193	
20.000	2280.000	2300.000	421.966	421.697	0.269	0.269	R=250 L=94.635 m
20.000	2300.000	2320.000	422.623	422.156	0.466	0.466	
20.000	2320.000	2340.000	422.918	422.711	0.208	0.208	
20.000	2340.000	2360.000	423.151	423.108	0.043	0.043	
20.000	2360.000	2380.000	423.384	423.278	0.106	0.106	RECTA L=51.945 m
20.000	2380.000	2400.000	423.616	423.613	0.003	0.003	
20.000	2400.000	2420.000	423.849	423.748	0.100	0.100	R=-70 L=96.309 m
20.000	2420.000	2440.000	424.081	423.546	0.535	0.535	
20.000	2440.000	2460.000	424.314	423.577	0.736	0.736	
20.000	2460.000	2480.000	424.504	424.328	0.176	0.176	
20.000	2480.000	2500.000	424.563	424.402	0.161	0.161	

CONTRACTOR'S LOGO			PROJECT: PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)				EGP VALIDATION		UTILIZATION SCOPE			TITLE: PERFILES LONGITUDINALES EJE 8						
			FILE NAME:				VALIDATED by: E.CABRERO											
			CLASSIFICATION				VERIFIED by: M.VALLEJOR.PRATS					EGP CODE						
			FORMAT: A3		SCALE: H 1/2000 V 1/500		PLOT SCALE: 1:1		SHEET: 11 di / of 22		Engineering & Construction		COLLABORATORS		GREEECD73ESW140940003000			
00	ABR/21	APROBADO	SATEL	SATEL	SATEL													
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED													

Documento original depositado en el archivo del Colegio Oficial de Ingenieros Industriales de Aragón y La Rioja con Reg. Entrada nº RG01954-21 y VISADO electrónico VD01413-21A de 04/05/2021. CSV = FVNYRZMJKXOSGKZY verificable en https://coiilar.e-gestion.es

LEYENDA

- Terreno natural
- Rasante

PK= 2+486.628
 CV= 424.856
 KV= 3000.000
 W = -0.028
 Lv= 85.221
 D = 0.303

PK= 2+646.007
 CV= 422.182
 KV= 800.000
 W = -0.027
 Lv= 21.357
 D = 0.071

PK= 2+679.021
 CV= 420.746
 KV= 1000.000
 W = 0.022
 Lv= 21.722
 D = -0.059

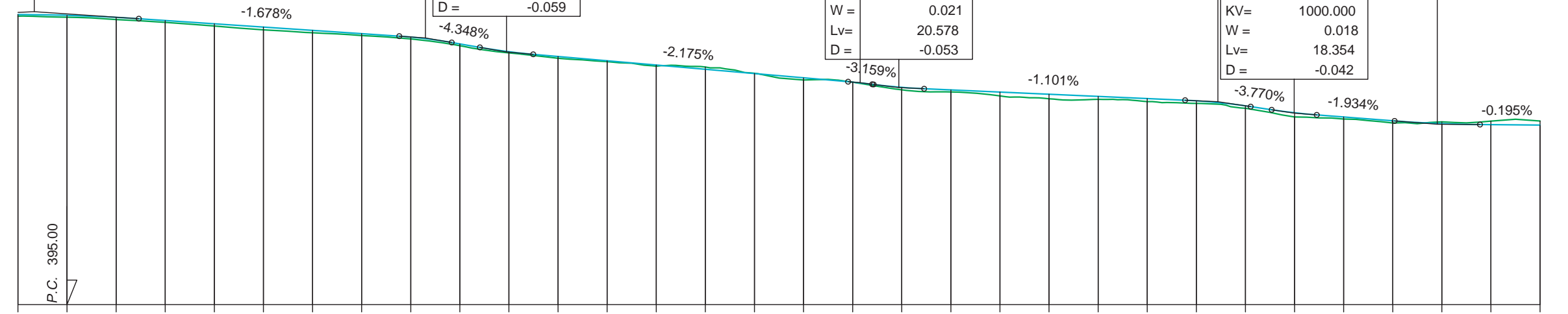
PK= 2+823.064
 CV= 417.613
 KV= 1000.000
 W = -0.010
 Lv= 9.836
 D = 0.012

PK= 2+838.830
 CV= 417.115
 KV= 1000.000
 W = 0.021
 Lv= 20.578
 D = -0.053

PK= 2+968.773
 CV= 415.684
 KV= 1000.000
 W = -0.027
 Lv= 26.688
 D = 0.089

PK= 2+999.862
 CV= 414.512
 KV= 1000.000
 W = 0.018
 Lv= 18.354
 D = -0.042

PK= 3+058.138
 CV= 413.385
 KV= 2000.000
 W = 0.017
 Lv= 34.788
 D = -0.076



EH:1/2000
 EV:1/500
Eje 8

DISTANCIAS	P.K.		ORDENADAS	COTAS ROJAS	CURVATURA
	AL ORIGEN	PARCIALES			
	2480.000		424.563	0.161	R=-70 L=96.309 m
	2500.000	20.000	424.489	0.206	RECTA L=99.995 m
	2520.000	20.000	424.282	0.231	
	2540.000	20.000	423.960	0.189	R=200 L=33.444 m
	2560.000	20.000	423.625	0.232	
	2580.000	20.000	423.289	0.281	R=-100 L=53.989 m
	2600.000	20.000	422.954	0.250	
	2620.000	20.000	422.618	0.194	R=110 L=53.323 m
	2640.000	20.000	422.269	0.191	
	2660.000	20.000	421.573	0.177	R=70 L=43.870 m
	2680.000	20.000	420.774	0.116	
	2700.000	20.000	420.290	0.185	RECTA L=32.071 m
	2720.000	20.000	419.855	0.092	
	2740.000	20.000	419.420	0.119	R=-60 L=67.350 m
	2760.000	20.000	418.985	0.227	
	2780.000	20.000	418.550	0.033	R=77 L=98.086 m
	2800.000	20.000	418.115	0.220	
	2820.000	20.000	417.678	0.015	R=-100 L=96.350 m
	2840.000	20.000	417.144	0.272	
	2860.000	20.000	416.882	0.205	R=250 L=79.068 m
	2880.000	20.000	416.662	0.386	
	2900.000	20.000	416.441	0.466	
	2920.000	20.000	416.221	0.300	
	2940.000	20.000	416.001	0.307	
	2960.000	20.000	415.770	0.254	
	2980.000	20.000	415.259	0.249	
	3000.000	20.000	414.550	0.424	
	3020.000	20.000	414.123	0.211	
	3040.000	20.000	413.736	0.219	
	3060.000	20.000	413.442	0.186	
	3080.000	20.000	413.342	0.361	
	3100.000	20.000	413.303	0.408	



PROJECT: **PARQUE EÓLICO "VIENTOS DEL CIERZO"**
 EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)
 FILE NAME:
 CLASSIFICATION
 FORMAT: **A3** SCALE: **H 1/2000 V 1/500** PLOT SCALE: **1:1** SHEET: **12 di / of 22**



EGP VALIDATION
 VALIDATED by: E.CABRERO
 VERIFIED by: M.VALLEJOR.PRATS
 COLLABORATORS:

UTILIZATION SCOPE		TITLE: PERFILES LONGITUDINALES EJE 8																											
EGP CODE										GROUP		FUNCTION		TYPE		ISSUER		COUNTRY		TEC.		PLANT		SYSTEM		PROGRESSIVE		REVISION	
GREECD73ESW140940003000																													

00	ABR/21	APROBADO	SATEL	SATEL	SATEL
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

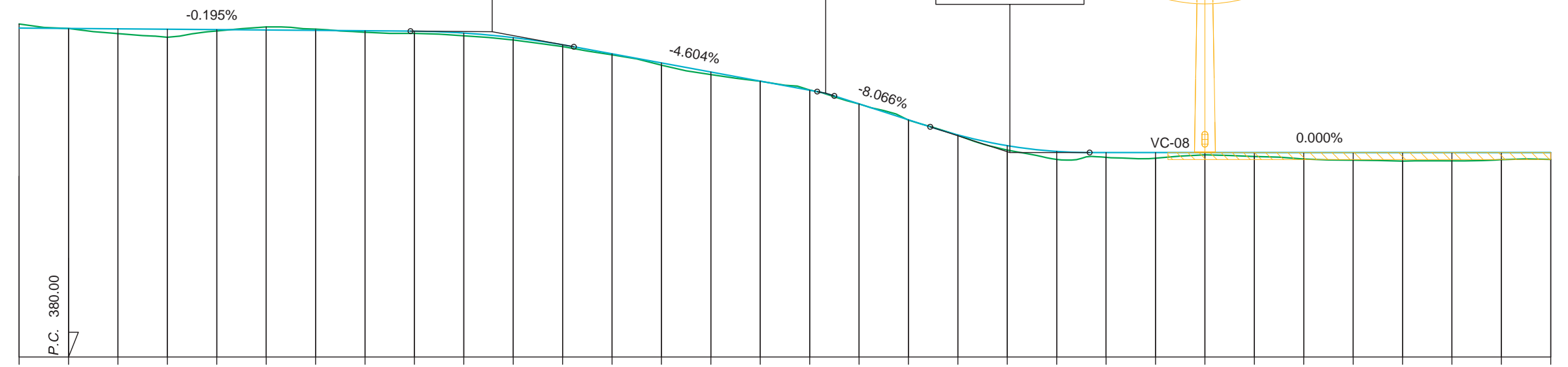
LEYENDA

— Terreno natural
 — Rasante

PK= 3+291.478
 CV= 412.930
 KV= 1500.000
 W = -0.044
 Lv= 66.139
 D = 0.365

PK= 3+426.513
 CV= 406.712
 KV= 200.000
 W = -0.034
 Lv= 6.923
 D = 0.030

PK= 3+501.057
 CV= 400.700
 KV= 800.000
 W = 0.080
 Lv= 64.526
 D = -0.651



EH:1/2000
 EV:1/500
Eje 8

COTAS ROJAS	ORDENADAS	DISTANCIAS	P.K.	
			AL ORIGEN	PARCIALES
0.408	413.711	20.000	3+100	3+100
0.009	413.255	20.000	3+100	3+120
0.487	412.738	20.000	3+100	3+140
0.817	412.369	20.000	3+100	3+160
0.139	413.008	20.000	3+100	3+180
	413.418	20.000	3+100	3+200
0.310	413.195	20.000	3+100	3+220
0.126	412.876	20.000	3+100	3+240
	412.757	20.000	3+100	3+260
0.234	412.524	20.000	3+100	3+280
0.273	412.094	20.000	3+100	3+300
0.243	411.425	20.000	3+100	3+320
0.185	410.594	20.000	3+100	3+340
0.102	409.543	20.000	3+100	3+360
0.232	408.588	20.000	3+100	3+380
0.266	407.917	20.000	3+100	3+400
0.017	407.031	20.000	3+100	3+420
	405.618	20.000	3+100	3+440
0.007	403.979	20.000	3+100	3+460
0.032	402.433	20.000	3+100	3+480
0.044	400.947	20.000	3+100	3+500
0.447	399.998	20.000	3+100	3+520
0.813	400.210	20.000	3+100	3+540
0.490	400.125	20.000	3+100	3+560
0.575	400.467	20.000	3+100	3+580
0.233	400.295	20.000	3+100	3+600
0.405	400.036	20.000	3+100	3+620
0.664	399.920	20.000	3+100	3+640
0.780	399.829	20.000	3+100	3+660
0.871	399.873	20.000	3+100	3+680
0.827	399.976	20.000	3+100	3+700
0.724	399.994	20.000	3+100	3+720
0.706			3+100	3+740

RECTA L=29.633 m	RECTA L=79.068 m	R=250	R=-100 L=21.816 m	R=100 L=33.523 m	R=-1200 L=119.421 m	RECTA L=53.319 m	R=100 L=73.056 m	R=-60 L=74.194 m	RECTA L=176.419 m
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CONTRACTOR'S LOGO			PROJECT: PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)				EGP VALIDATION		UTILIZATION SCOPE			TITLE: PERFILES LONGITUDINALES EJE 8			
			FILE NAME:				VALIDATED by: E.CABRERO VERIFIED by: M.VALLEJOR.PRATS								
CLASSIFICATION			FORMAT: A3				SCALE: H 1/2000 V 1/500		PLOT SCALE: 1:1		SHEET: 13 di / of 22		EGP CODE		
00 ABR/21 APROBADO REV. DATE DESCRIPTION			PREPARED: SATEL CHECKED: SATEL APPROVED: SATEL				Engineering & Construction		COLLABORATORS:		GROUP: GREEEC FUNCTION: D TYPE: 7 ISSUER: 3 COUNTRY: E TEC.: SW PLANT: 14 SYSTEM: 09 PROGRESSIVE: 4000 REVISION: 3000				

LEYENDA

— Terreno natural
 — Rasante

PK= 3+768.445
 CV= 400.700
 KV= 800.000
 W = -0.045
 Lv= 36.392
 D = 0.207

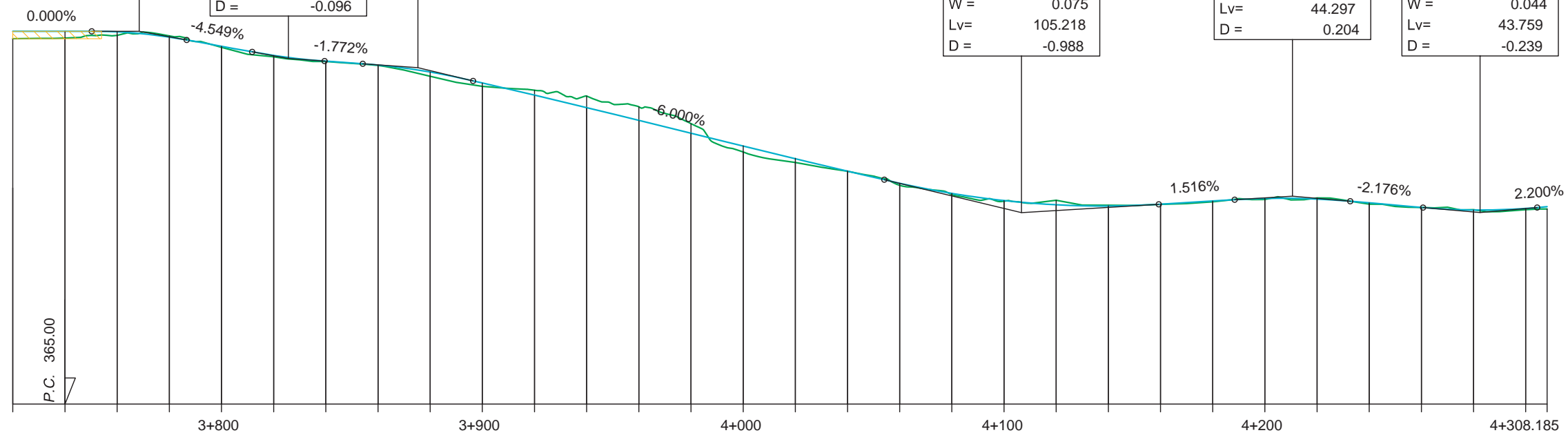
PK= 3+875.302
 CV= 397.218
 KV= 1000.000
 W = -0.042
 Lv= 42.276
 D = 0.223

PK= 3+825.642
 CV= 398.098
 KV= 1000.000
 W = 0.028
 Lv= 27.766
 D = -0.096

PK= 4+106.706
 CV= 383.334
 KV= 1400.000
 W = 0.075
 Lv= 105.218
 D = -0.988

PK= 4+210.575
 CV= 384.908
 KV= 1200.000
 W = -0.037
 Lv= 44.297
 D = 0.204

PK= 4+282.518
 CV= 383.343
 KV= 1000.000
 W = 0.044
 Lv= 43.759
 D = -0.239



EH:1/2000
 EV:1/500
Eje 8

DISTANCIAS	P.K.	
	AL ORIGEN	PARCIALES
ORDENADAS	RASANTE	
	TERRENO	
COTAS ROJAS	DESMONTE	
	TERRAPLEN	
CURVATURA		

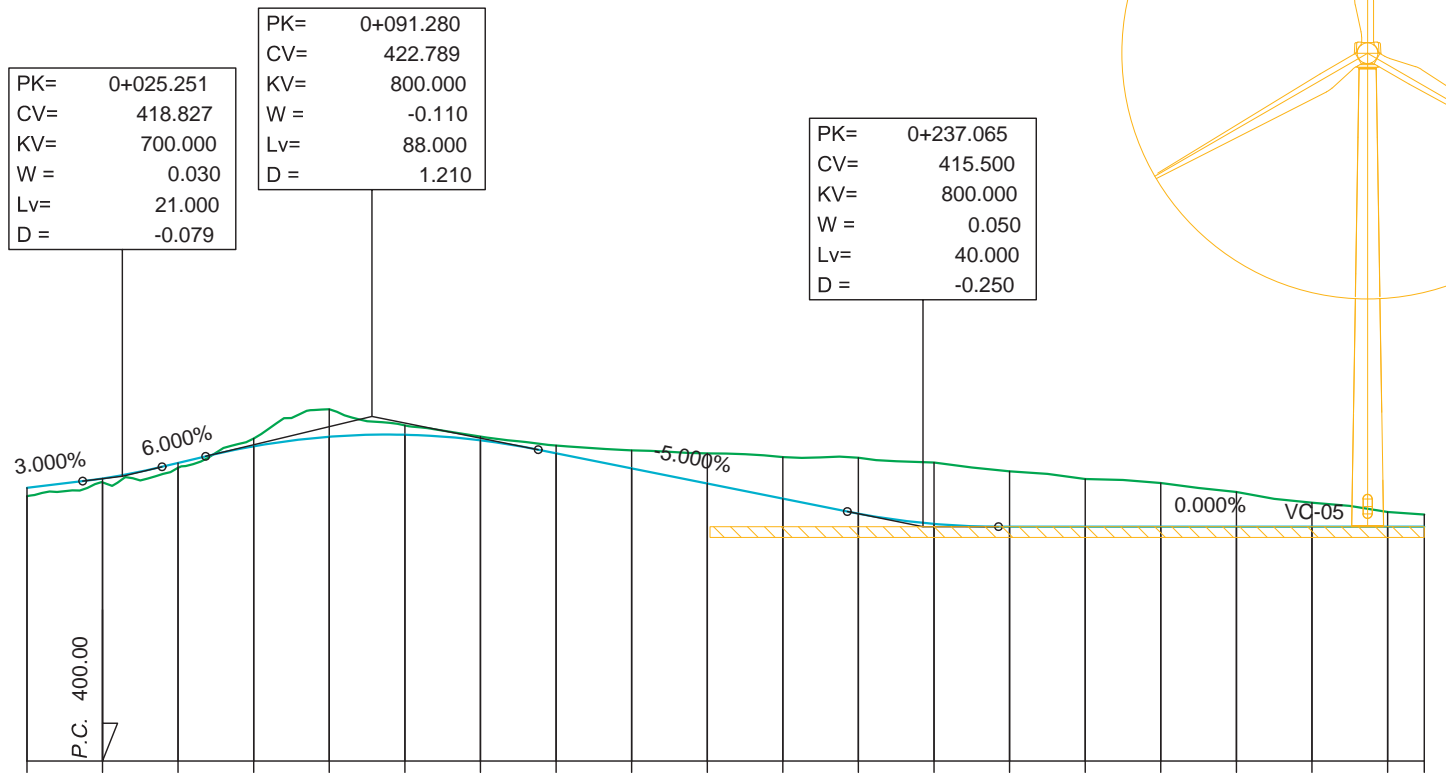
P.K.	3+800	3+900	4+000	4+100	4+200	4+308.185
AL ORIGEN	3720.000	3800.000	3900.000	4000.000	4100.000	4308.185
PARCIALES	20.000	20.000	20.000	20.000	20.000	8.185
RASANTE	400.700	399.265	395.736	387.336	384.445	383.907
TERRENO	399.994	399.163	395.434	387.297	384.375	383.683
DESMONTE	0.110	0.520	1.160	0.430	0.110	0.036
TERRAPLEN	0.706	0.102	0.302	0.121	0.070	0.114
CURVATURA	RECTA L=176.419 m	R=60 L=56.012 m	RECTA L=69.088 m	R=60 L=70.364 m	R=-250 L=83.406 m	R=200 L=120.888 m

CONTRACTOR'S LOGO			PROJECT: PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)				EGP VALIDATION		UTILIZATION SCOPE				TITLE: PERFILES LONGITUDINALES EJE 8																													
			FILE NAME:				VALIDATED by: E.CABRERO																																			
<table border="1"> <tr> <td>00</td> <td>ABR/21</td> <td>APROBADO</td> </tr> <tr> <td>REV.</td> <td>DATE</td> <td>DESCRIPTION</td> </tr> </table>			00	ABR/21	APROBADO	REV.	DATE	DESCRIPTION	CLASSIFICATION				VERIFIED by: M.VALLEJOR.PRATS		EGP CODE				<table border="1"> <tr> <td>GROUP</td> <td>FUNCTION</td> <td>TYPE</td> <td>ISSUER</td> <td>COUNTRY</td> <td>TEC.</td> <td>PLANT</td> <td>SYSTEM</td> <td>PROGRESSIVE</td> <td>REVISION</td> </tr> <tr> <td>GREEN</td> <td>EECD</td> <td>73E</td> <td>SW140940003000</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				GROUP	FUNCTION	TYPE	ISSUER	COUNTRY	TEC.	PLANT	SYSTEM	PROGRESSIVE	REVISION	GREEN	EECD	73E	SW140940003000						
00	ABR/21	APROBADO																																								
REV.	DATE	DESCRIPTION																																								
GROUP	FUNCTION	TYPE	ISSUER	COUNTRY	TEC.	PLANT	SYSTEM	PROGRESSIVE	REVISION																																	
GREEN	EECD	73E	SW140940003000																																							
<table border="1"> <tr> <td>SATEL</td> <td>SATEL</td> <td>SATEL</td> </tr> <tr> <td>PREPARED</td> <td>CHECKED</td> <td>APPROVED</td> </tr> </table>			SATEL	SATEL	SATEL	PREPARED	CHECKED	APPROVED	<table border="1"> <tr> <td>FORMAT: A3</td> <td>SCALE: H 1/2000 V 1/500</td> <td>PLOT SCALE: 1:1</td> <td>SHEET: 14 di / of 22</td> </tr> </table>				FORMAT: A3	SCALE: H 1/2000 V 1/500	PLOT SCALE: 1:1	SHEET: 14 di / of 22	Engineering & Construction																									
SATEL	SATEL	SATEL																																								
PREPARED	CHECKED	APPROVED																																								
FORMAT: A3	SCALE: H 1/2000 V 1/500	PLOT SCALE: 1:1	SHEET: 14 di / of 22																																							

Documento original depositado en los archivos del Colegio Oficial de Ingenieros Industriales de Aragón y La Rioja con Reg. Entrada nº RG01954-21 y VISADO electrónico VD01413-21A de 04/05/2021. CSV = FVNYRZMJKXOSGKZY verificable en https://coiilar.e-gestion.es

LEYENDA

- Terreno natural
- Rasante



EH:1/2000
 EV:1/500

Eje 5

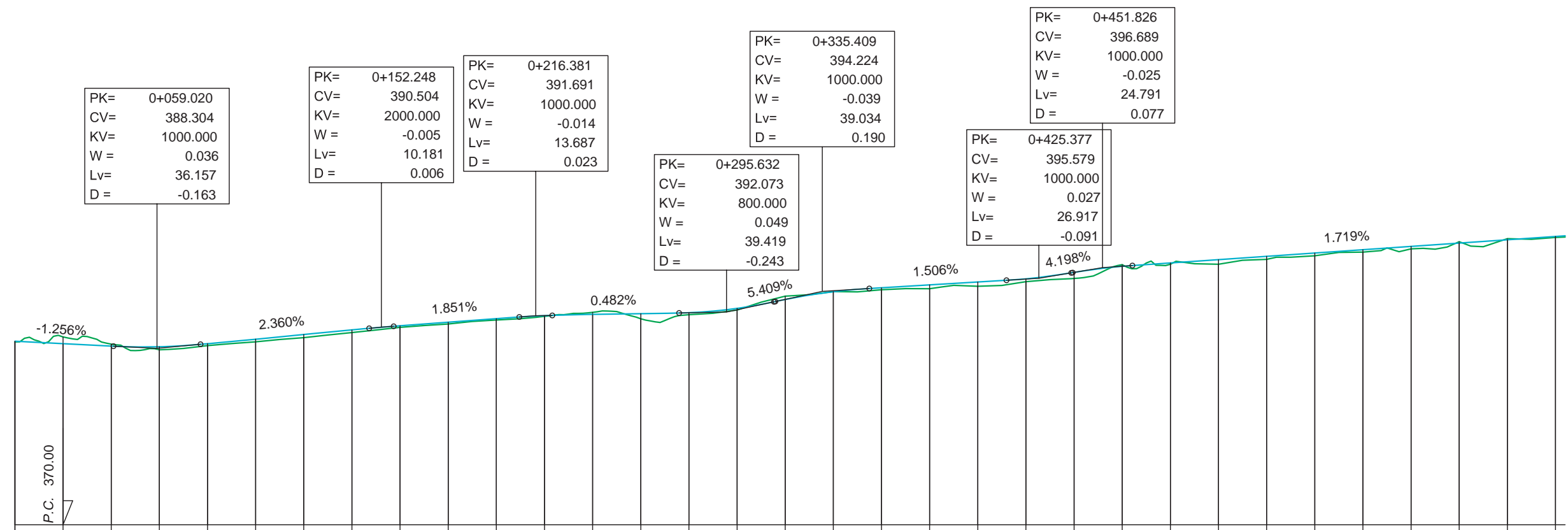
DISTANCIAS	P.K.		0+000													0+100		0+200				0+300				0+369.728	
	AL ORIGEN	PARCIALES	0.000	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000	320.000	340.000	360.000	369.728					
ORDENADAS	RASANTE		418.070	418.690	419.712	420.811	421.443	421.575	421.207	420.353	419.353	418.353	417.353	416.359	415.682	415.500	415.500	415.500	415.500	415.500	415.500	415.500					
	TERRENO		417.522	418.431	419.396	421.324	423.264	422.198	421.456	420.873	420.545	420.341	420.099	420.062	419.741	419.159	418.645	418.381	417.793	417.083	416.470	416.302					
COTAS ROJAS	DESMONTE					0.513	1.821	0.622	0.249	0.520	1.191	1.988	2.746	3.703	4.058	3.659	3.145	2.881	2.293	1.583	0.970	0.802					
	TERRAPLEN		0.548	0.259	0.317																						
CURVATURA			R=60 L=158.219 m						R=-100 L=66.455 m				RECTA L=145.053 m														

CONTRACTOR'S LOGO			PROJECT: PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)				EGP VALIDATION		UTILIZATION SCOPE				TITLE: PERFILES LONGITUDINALES EJE 5			
			FILE NAME:				VALIDATED by: E.CABRERO									
CLASSIFICATION			FORMAT: A3				VERIFIED by: M.VALLEJOR.PRATS		EGP CODE				GROUP: GREEEC D73E SW140940003000			
SCALE: H 1/2000 V 1/500			PLOT SCALE: 1:1				COLLABORATORS:		SYSTEM: PROGRESSIVE				REVISION: 0003000			
SHEET: 15 di / of 22			Engineering & Construction													

Documento original depositado en los archivos del Colegio Oficial de Ingenieros Industriales de Aragón y La Rioja con Reg. Entrada nº RG01954-21 y VISADO electrónico VD01413-21A de 04/05/2021. CSV = FVNYRZMJKXOSGKZY verificable en https://coiilar.e-gestion.es

LEYENDA

- Terreno natural
- Rasante



EH:1/2000
 EV:1/500
Eje 4-9

DISTANCIAS	P.K.		ORDENADAS		COTAS ROJAS		CURVATURA
	AL ORIGEN	PARCIALES	RASANTE	TERRENO	DESMONTE	TERRAPLEN	
0.000	0.000	0.000	389.045	388.972		0.073	
0.005	0.005	19.995	389.045	388.972	0.699	0.073	R=60 L=69.765 m
20.000	20.000	20.000	388.794	389.493	0.193	0.319	
40.000	40.000	20.000	388.543	388.736		0.210	
60.000	60.000	20.000	388.473	388.154		0.287	
80.000	80.000	20.000	388.799	388.588		0.329	
100.000	100.000	20.000	389.271	388.983		0.271	
120.000	120.000	20.000	389.743	389.413		0.162	RECTA L=146.986 m
140.000	140.000	20.000	390.215	389.944		0.180	
160.000	160.000	20.000	390.647	390.485	0.238	0.138	
180.000	180.000	20.000	391.017	390.837		0.073	
200.000	200.000	20.000	391.387	391.250		0.526	
220.000	220.000	20.000	391.703	391.630		0.212	
240.000	240.000	20.000	391.804	392.043		0.168	
260.000	260.000	20.000	391.901	391.375		0.204	
280.000	280.000	20.000	392.008	391.795		0.402	
300.000	300.000	20.000	392.456	392.288		0.446	
320.000	320.000	20.000	393.382	393.720	0.338	0.302	
340.000	340.000	20.000	394.182	394.202	0.020	0.626	
360.000	360.000	20.000	394.595	394.390		0.133	
380.000	380.000	20.000	394.896	394.494		0.476	
400.000	400.000	20.000	395.197	394.750		0.316	
420.000	420.000	20.000	395.531	395.229		0.290	
440.000	440.000	20.000	396.193	395.567		0.250	
460.000	460.000	20.000	396.821	396.995	0.174	0.262	
480.000	480.000	20.000	397.173	397.040			
500.000	500.000	20.000	397.517	397.042			
520.000	520.000	20.000	397.861	397.545			
540.000	540.000	20.000	398.205	397.915			
560.000	560.000	20.000	398.548	398.298			
580.000	580.000	20.000	398.892	398.630			
600.000	600.000	20.000	399.236	399.374	0.138		
620.000	620.000	20.000	399.580	399.695	0.115		
640.000	640.000	20.000	399.923	399.817		0.106	

CONTRACTOR'S LOGO			PROJECT: PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)				EGP VALIDATION		UTILIZATION SCOPE				TITLE: PERFILES LONGITUDINALES EJE 4-9			
			FILE NAME:				VALIDATED by: E.CABRERO									
			CLASSIFICATION				VERIFIED by: M.VALLEJOR.PRATS						EGP CODE			
00 ABR/21 APROBADO			FORMAT: A3				COLLABORATORS		GROUP: GREEEC				FUNCTION: D73E			
REV. DATE DESCRIPTION			SCALE: H 1/2000 V 1/500				SHEET: 16 di / of 22		ISSUER: SW140940003000				COUNTRY: ES			
PREPARED			PLOT SCALE: 1:1				Engineering & Construction		TEC.				PLANT			
CHECKED			SHEET: 16 di / of 22						SYSTEM				PROGRESSIVE			
APPROVED									REVISION							

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LEYENDA

— Terreno natural
 — Rasante

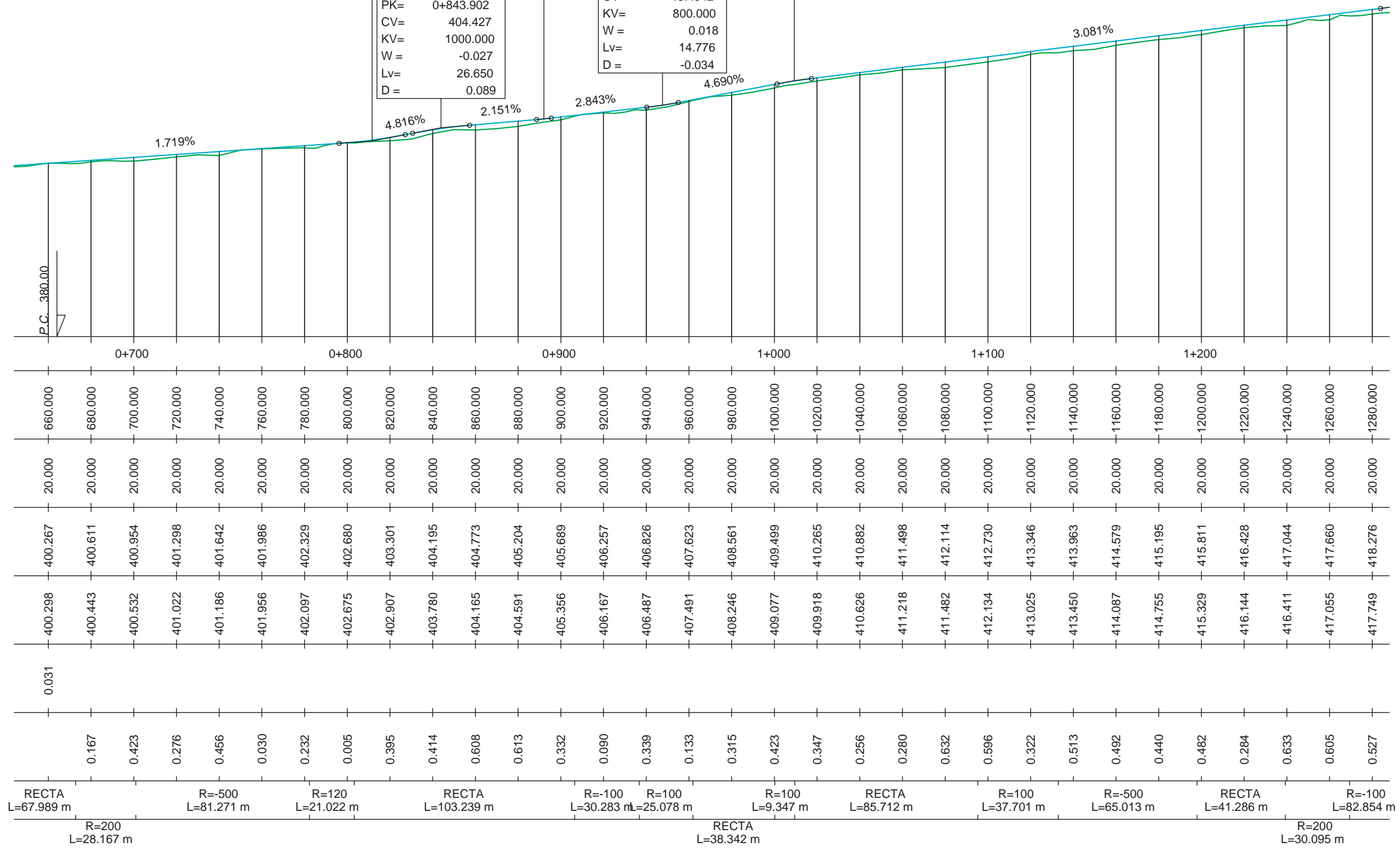
PK=	0+811.637
CV=	402.873
KV=	1000.000
W =	0.031
Lv=	30.978
D =	-0.120

PK=	0+843.902
CV=	404.427
KV=	1000.000
W =	-0.027
Lv=	26.650
D =	0.089

PK=	0+892.056
CV=	405.463
KV=	1000.000
W =	0.007
Lv=	6.913
D =	-0.006

PK=	0+947.602
CV=	407.042
KV=	800.000
W =	0.018
Lv=	14.776
D =	-0.034

PK=	1+009.319
CV=	409.936
KV=	1000.000
W =	-0.016
Lv=	16.085
D =	0.032



EH:1/2000
 EV:1/500
Eje 4-9

DISTANCIAS	P.K.	
	AL ORIGEN	PARCIALES
	660.000	20.000
	680.000	20.000
	700.000	20.000
	720.000	20.000
	740.000	20.000
	760.000	20.000
	780.000	20.000
	800.000	20.000
	820.000	20.000
	840.000	20.000
	860.000	20.000
	880.000	20.000
	900.000	20.000
	920.000	20.000
	940.000	20.000
	960.000	20.000
	980.000	20.000
	1000.000	20.000
	1020.000	20.000
	1040.000	20.000
	1060.000	20.000
	1080.000	20.000
	1100.000	20.000
	1120.000	20.000
	1140.000	20.000
	1160.000	20.000
	1180.000	20.000
	1200.000	20.000
	1220.000	20.000
	1240.000	20.000
	1260.000	20.000
	1280.000	20.000

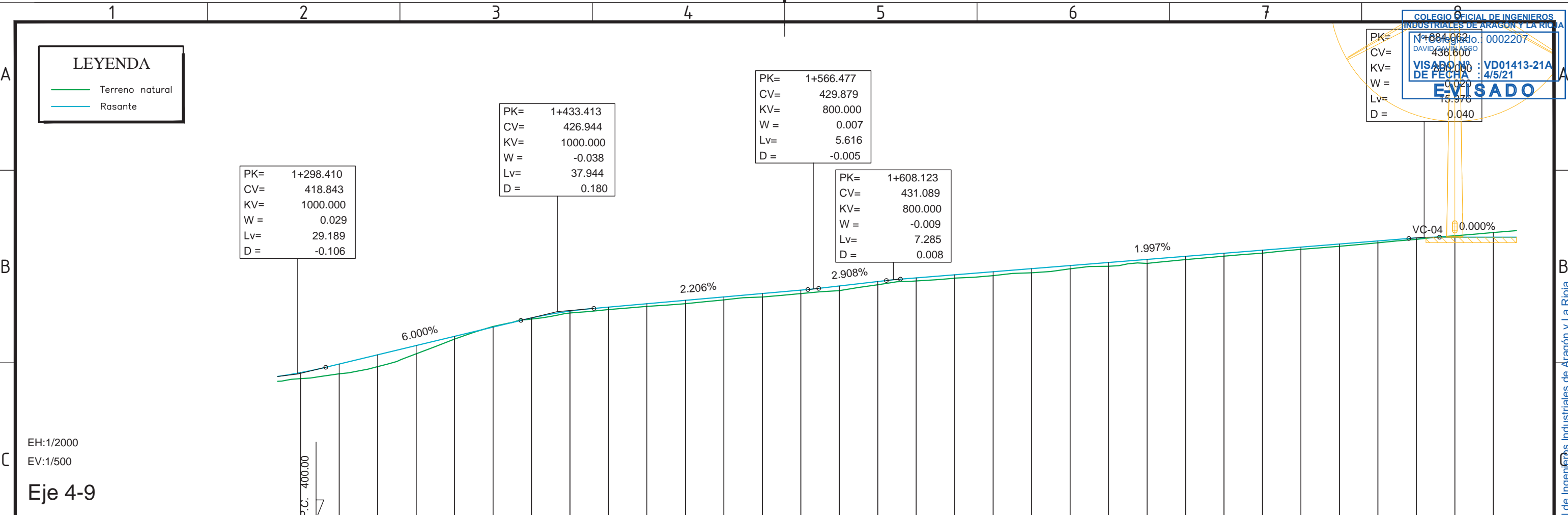
ORDENADAS	P.K.	
	RASANTE	TERRENO
	400.267	400.298
	400.611	400.443
	400.954	400.532
	401.298	401.022
	401.642	401.186
	401.986	401.956
	402.329	402.097
	402.680	402.675
	403.301	402.907
	404.195	403.780
	404.773	404.165
	405.204	404.591
	405.689	405.356
	406.257	406.167
	406.826	406.487
	407.623	407.491
	408.561	408.246
	409.499	409.077
	410.265	409.918
	410.882	410.626
	411.498	411.218
	412.114	411.482
	412.730	412.134
	413.346	413.025
	413.963	413.450
	414.579	414.087
	415.195	414.755
	415.811	415.329
	416.428	416.144
	417.044	416.411
	417.660	417.055
	418.276	417.749

COTAS ROJAS	P.K.	
	DESMONTE	TERRAPLEN
	0.031	
		0.167
		0.423
		0.276
		0.456
		0.030
		0.232
		0.005
		0.395
		0.414
		0.608
		0.613
		0.332
		0.090
		0.339
		0.133
		0.315
		0.423
		0.347
		0.256
		0.280
		0.632
		0.596
		0.322
		0.513
		0.492
		0.440
		0.482
		0.284
		0.633
		0.605
		0.527

CURVATURA	P.K.	
	RECTA	R=
	L=67.989 m	R=200 L=28.167 m
		R=500 L=81.271 m
		R=120 L=21.022 m
		RECTA L=103.239 m
		R=100 L=30.283 m
		R=100 m L=25.078 m
		R=100 L=9.347 m
		RECTA L=85.712 m
		R=100 L=37.701 m
		R=500 L=65.013 m
		RECTA L=41.286 m
		R=100 L=82.854 m
		R=200 L=30.095 m

CONTRACTOR'S LOGO			PROJECT: PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)				EGP VALIDATION		UTILIZATION SCOPE				TITLE: PERFILES LONGITUDINALES EJE 4-9			
			FILE NAME:				VALIDATED by: E.CABRERO									
			CLASSIFICATION				VERIFIED by: M.VALLEJOR.PRATS						EGP CODE			
00 ABR/21 APROBADO			FORMAT: A3				COLLABORATORS		GROUP: GREEEC				FUNCTION: D73E			
REV. DATE DESCRIPTION			SCALE: H 1/2000 V 1/500				SHEET: 17 di / of 22		ISSUER: SW140940003000				COUNTRY: TEC. PLANT SYSTEM PROGRESSIVE REVISION			

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DISTANCIAS	P.K.	
	AL ORIGEN	PARCIALES
	1300.000	1320.000
	1340.000	1360.000
	1380.000	1420.000
	1440.000	1500.000
	1560.000	1620.000
	1680.000	1740.000
	1800.000	1860.000
	1900.000	1920.000

ORDENADAS	P.K.	
	RASANTE	TERRENO
	419.023	418.243
	420.139	418.868
	421.339	419.801
	422.539	421.465
	423.739	423.376
	424.939	425.007
	426.123	425.976
	427.012	426.767
	427.530	427.207
	427.971	427.628
	428.412	427.969
	428.853	428.469
	429.295	428.840
	429.736	429.284
	430.272	429.670
	430.853	430.427
	431.327	430.921
	431.726	431.295
	432.125	431.618
	432.525	431.988
	432.924	432.504
	433.324	432.836
	433.723	433.206
	434.122	433.698
	434.522	434.144
	434.921	434.540
	435.321	435.035
	435.720	435.428
	436.119	435.882
	436.509	436.320
	436.600	436.785
	436.600	437.213

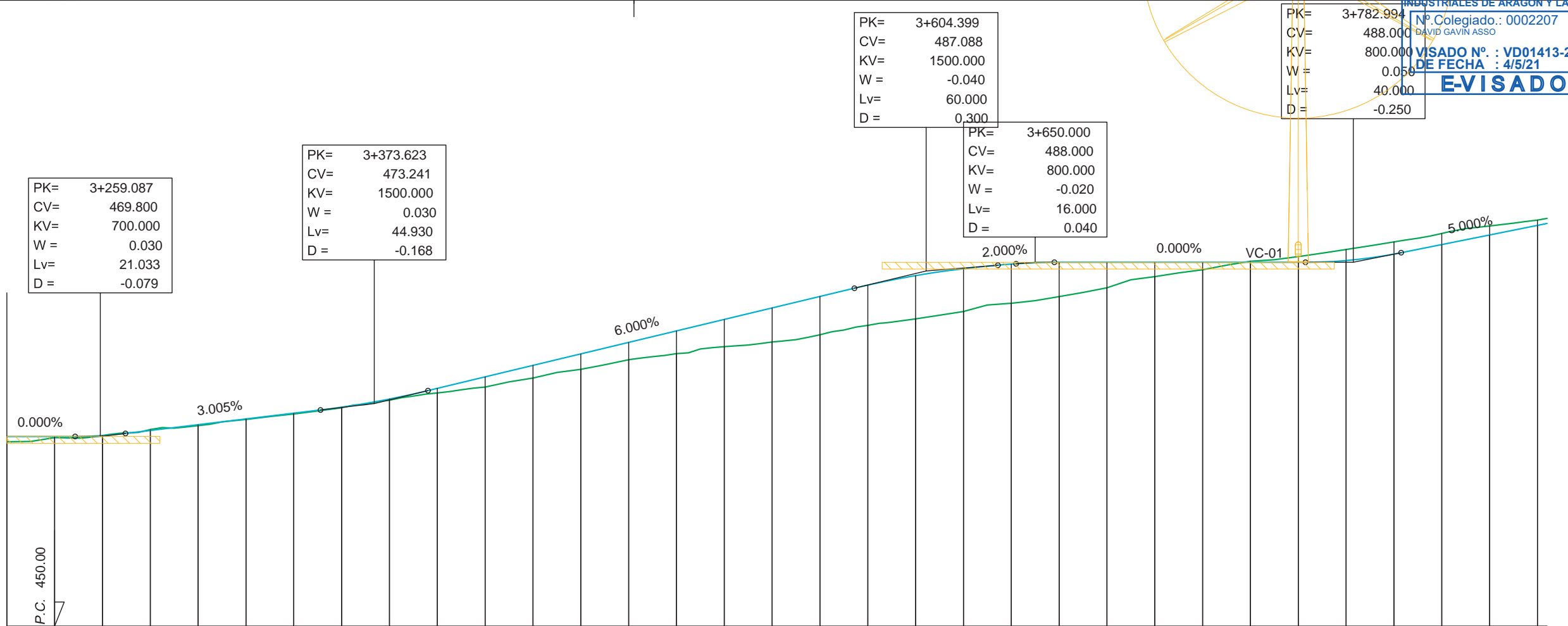
COTAS ROJAS	P.K.	
	DESMONTE	TERRAPLEN
	0.068	0.781
		1.271
		1.538
		1.074
		0.363
		0.148
		0.245
		0.323
		0.343
		0.444
		0.384
		0.455
		0.452
		0.602
		0.426
		0.406
		0.431
		0.507
		0.537
		0.421
		0.488
		0.518
		0.425
		0.378
		0.382
		0.286
		0.292
		0.237
		0.189
		0.613

CURVATURA	
R=-100 L=82.854 m	RECTA L=47.277 m
R=60 L=39.940 m	R=-250 L=79.131 m
RECTA L=98.875 m	R=-1000 L=21.585 m
RECTA L=86.286 m	R=-100 L=20.246 m
RECTA L=338.407 m	

<table border="1"> <tr> <td>00</td> <td>ABR/21</td> <td>APROBADO</td> </tr> <tr> <td>REV.</td> <td>DATE</td> <td>DESCRIPTION</td> </tr> </table>			00	ABR/21	APROBADO	REV.	DATE	DESCRIPTION	<table border="1"> <tr> <td>CONTRACTOR'S LOGO</td> <td colspan="2">PROJECT:</td> </tr> <tr> <td rowspan="2"> </td> <td colspan="2"> PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA) </td> </tr> <tr> <td>FILE NAME:</td> <td></td> </tr> <tr> <td></td> <td>CLASSIFICATION</td> <td></td> </tr> <tr> <td></td> <td>FORMAT:</td> <td>SCALE:</td> </tr> <tr> <td></td> <td></td> <td>PLOT SCALE:</td> </tr> <tr> <td></td> <td></td> <td>SHEET:</td> </tr> <tr> <td></td> <td></td> <td>18 di / of 22</td> </tr> </table>			CONTRACTOR'S LOGO	PROJECT:			PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)		FILE NAME:			CLASSIFICATION			FORMAT:	SCALE:			PLOT SCALE:			SHEET:			18 di / of 22	<table border="1"> <tr> <td colspan="2">EGP VALIDATION</td> <td colspan="2">UTILIZATION SCOPE</td> <td colspan="2">TITLE:</td> </tr> <tr> <td>VALIDATED by</td> <td>E.CABRERO</td> <td colspan="2"></td> <td colspan="2"> PERFILES LONGITUDINALES EJE 4-9 </td> </tr> <tr> <td>VERIFIED by</td> <td>M.VALLEJOR.PRATS</td> <td colspan="2"></td> <td colspan="2">EGP CODE</td> </tr> <tr> <td colspan="2">COLLABORATORS</td> <td>GROUP</td> <td>FUNCTION</td> <td>TYPE</td> <td>ISSUER</td> </tr> <tr> <td colspan="2"></td> <td>GRE</td> <td>EECD</td> <td>73E</td> <td>SW140940003000</td> </tr> </table>			EGP VALIDATION		UTILIZATION SCOPE		TITLE:		VALIDATED by	E.CABRERO			PERFILES LONGITUDINALES EJE 4-9		VERIFIED by	M.VALLEJOR.PRATS			EGP CODE		COLLABORATORS		GROUP	FUNCTION	TYPE	ISSUER			GRE	EECD	73E	SW140940003000
00	ABR/21	APROBADO																																																																	
REV.	DATE	DESCRIPTION																																																																	
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VALIDATED by	E.CABRERO			PERFILES LONGITUDINALES EJE 4-9																																																															
VERIFIED by	M.VALLEJOR.PRATS			EGP CODE																																																															
COLLABORATORS		GROUP	FUNCTION	TYPE	ISSUER																																																														
		GRE	EECD	73E	SW140940003000																																																														

LEYENDA	
	Terreno natural
	Rasante

COLEGIO OFICIAL DE INGENIEROS INDUSTRIALES DE ARAGON Y LA RIOJA
 Nº Colegiado.: 0002207
 DAVID GAVIN ASSO
 VISADO Nº.: VD01413-21A
 DE FECHA : 4/5/21
E-VISADO



EH:1/2000
 EV:1/500
Eje 4-9

DISTANCIAS	P.K.	
	AL ORIGEN	PARCIALES
	3220.000	3300.000
	3240.000	3320.000
	3260.000	3340.000
	3280.000	3360.000
	3300.000	3380.000
	3320.000	3400.000
	3340.000	3420.000
	3360.000	3440.000
	3380.000	3460.000
	3400.000	3480.000
	3420.000	3500.000
	3440.000	3520.000
	3460.000	3540.000
	3480.000	3560.000
	3500.000	3580.000
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	3560.000	3640.000
	3580.000	3660.000
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	3620.000	3700.000
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	3680.000	3760.000
	3700.000	3780.000
	3720.000	3800.000
	3740.000	3820.000
	3760.000	3840.000
	3780.000	3860.000
	3800.000	
	3820.000	
	3840.000	
	3860.000	

ORDENADAS	P.K.	
	RASANTE	TERRENO
	469.800	469.249
	469.800	469.677
	469.893	469.892
	470.428	470.528
	471.029	470.927
	471.630	471.576
	472.231	472.150
	472.858	472.796
	473.710	473.590
	474.824	474.353
	476.024	474.957
	477.224	475.909
	478.424	476.812
	479.624	477.817
	480.824	478.454
	482.024	479.185
	483.224	479.668
	484.424	480.424
	485.614	481.407
	486.606	482.084
	487.331	482.861
	487.800	483.716
	488.000	484.413
	488.000	485.336
	488.000	486.500
	488.000	487.220
	488.000	488.103
	488.000	488.593
	488.181	489.334
	488.856	490.133
	489.850	491.005
	490.850	491.793
	491.850	492.404

COTAS ROJAS	P.K.	
	DESMONTE	TERRAPLEN
	0.100	0.551
		0.123
		0.001
		0.102
		0.054
		0.081
		0.062
		0.120
		0.471
		1.067
		1.315
		1.612
		1.807
		2.370
		2.839
		3.556
		4.000
		4.207
		4.521
		4.469
		4.084
		3.587
		2.664
		1.500
		0.780
		0.103
		0.593
		1.153
		1.277
		1.154
		0.943
		0.554

CURVATURA	
RECTA L=225.713 m	R=100 L=58.500 m
RECTA L=48.589 m	R=200 L=57.669 m
R=500 L=64.058 m	R=100 L=62.664 m
R=150 L=41.853 m	RECTA L=176.425 m
R=100 L=59.179 m	R=100 L=49.705 m

CONTRACTOR'S LOGO			PROJECT: PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)			EGP VALIDATION			UTILIZATION SCOPE			TITLE: PERFILES LONGITUDINALES EJE 4-9		
			FILE NAME:			VALIDATED by: E.CABRERO								
CLASSIFICATION			SCALE: H 1/2000 V 1/500			VERIFIED by: M.VALLEJOR.PRATS			EGP CODE			GROUP: FUNCTION: TYPE: ISSUER: COUNTRY: TEC. PLANT: SYSTEM: PROGRESSIVE: REVISION:		
FORMAT: A3			PLOT SCALE: 1:1			COLLABORATORS:			GREEN			D73ESW140940003000		
SHEET: 19 di / of 22			Engineering & Construction											

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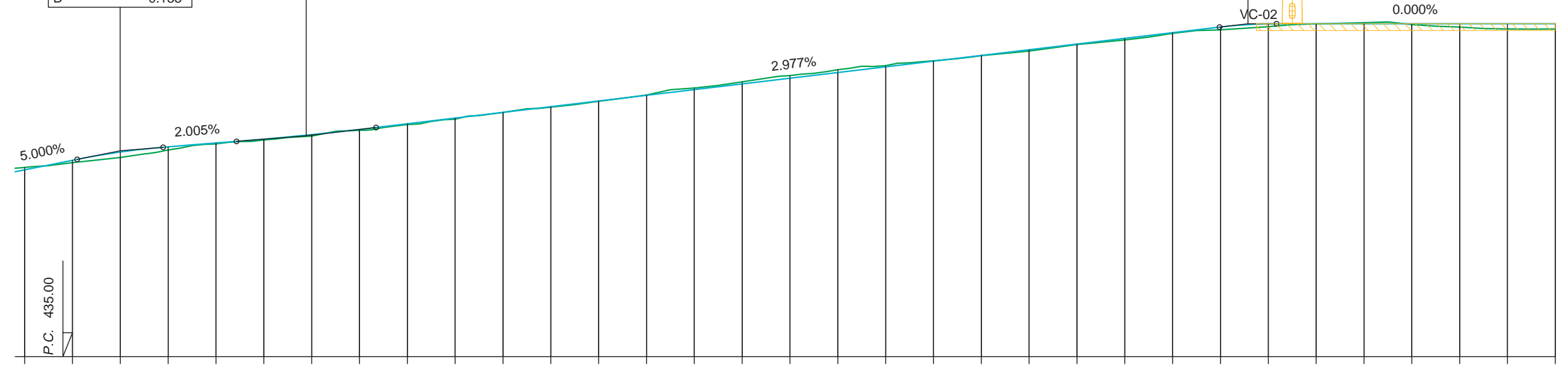
COLEGIO OFICIAL DE INGENIEROS INDUSTRIALES DE ARAGON Y LA RIOJA
 N° Colegiado.: 0002207
 DAVID GAVIN ASSO
 VISADO N°.: VD01413-21A
 DE FECHA : 4/5/21
E-VISADO

LEYENDA
 — Terreno natural
 — Rasante

PK= 2+619.917
 CV= 456.519
 KV= 1200.000
 W = -0.030
 Lv= 35.946
 D = 0.135

PK= 2+697.733
 CV= 458.079
 KV= 6000.000
 W = 0.010
 Lv= 58.325
 D = -0.071

PK= 3+091.512
 CV= 469.800
 KV= 800.000
 W = -0.030
 Lv= 23.813
 D = 0.089



EH:1/2000
 EV:1/500
Eje 4-9

DISTANCIAS	P.K.		P.K.																																	
	AL ORIGEN	PARCIALES	2+600	2+620	2+640	2+660	2+680	2+700	2+720	2+740	2+760	2+780	2+800	2+820	2+840	2+860	2+880	2+900	2+920	2+940	2+960	2+980	3+000	3+020	3+040	3+060	3+080	3+100	3+120	3+140	3+160	3+180	3+200			
			2580.000	2600.000	2620.000	2640.000	2660.000	2680.000	2700.000	2720.000	2740.000	2760.000	2780.000	2800.000	2820.000	2840.000	2860.000	2880.000	2900.000	2920.000	2940.000	2960.000	2980.000	3000.000	3020.000	3040.000	3060.000	3080.000	3100.000	3120.000	3140.000	3160.000	3180.000	3200.000	3220.000	
			20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000
			454.523	455.523	456.387	456.922	457.322	457.734	458.207	458.746	459.337	459.932	460.528	461.123	461.718	462.314	462.909	463.504	464.099	464.695	465.290	465.885	466.481	467.076	467.671	468.267	468.862	469.457	469.993	469.793	469.800	469.800	469.800	469.800	469.800	469.800
			454.768	455.275	455.820	456.596	457.232	457.651	458.050	458.658	459.256	459.821	460.526	461.077	461.688	462.349	463.081	463.719	464.375	464.996	465.417	465.908	466.467	466.939	467.622	468.104	468.795	469.159	469.491	469.782	469.902	469.709	469.445	469.243	469.249	
			0.245												0.035	0.172	0.214	0.276	0.301	0.127	0.023								0.102							
				0.248	0.567	0.325	0.090	0.084	0.157	0.088	0.081	0.111	0.002	0.045	0.030								0.013	0.137	0.049	0.163	0.067	0.299	0.301	0.018	0.091	0.355	0.557	0.551		
			RECTA R=-300 L=177.536 rb=49.993 m		R=200 L=52.690 m		RECTA L=38.434 m		R=-200 L=42.320 m		RECTA L=29.821 m		R=-500 L=99.553 m		R=130 L=76.518 m		R=500 L=56.193 m		RECTA L=225.713 m																	

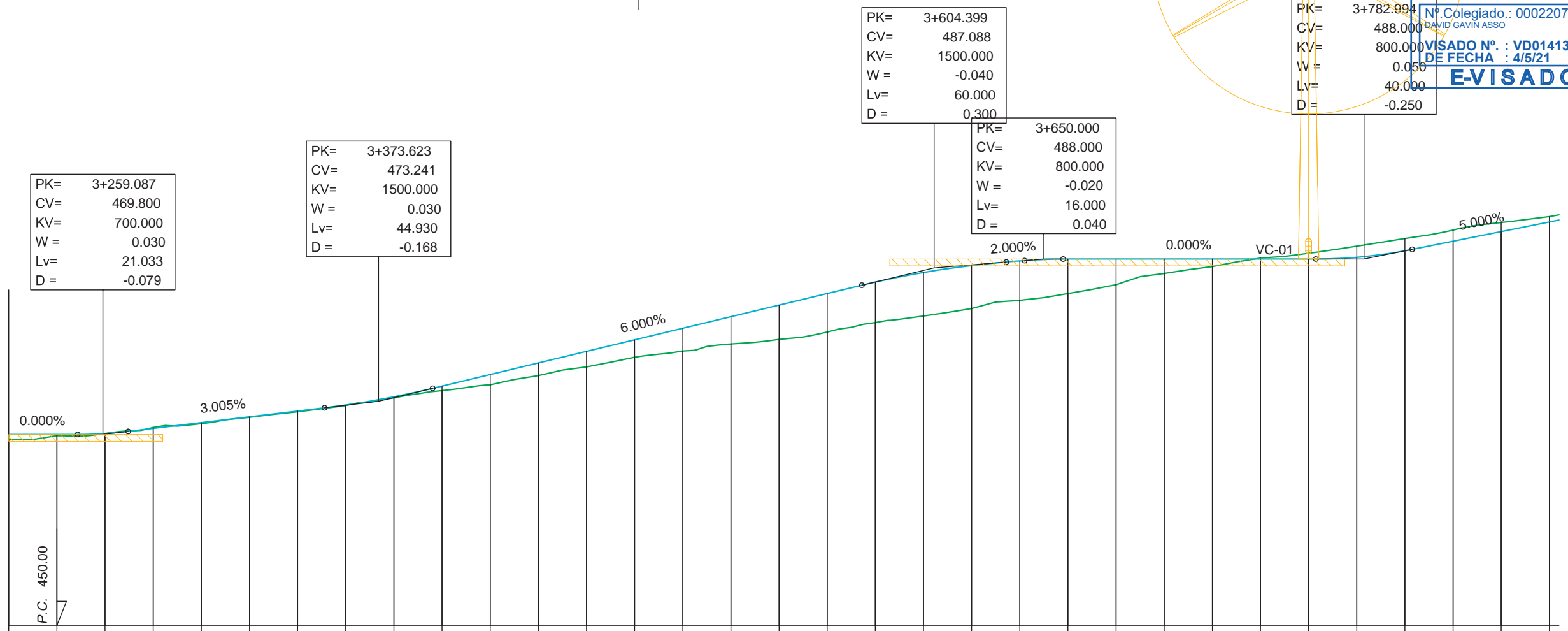
CONTRACTOR'S LOGO			PROJECT: PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)				EGP VALIDATION		UTILIZATION SCOPE				TITLE: PERFILES LONGITUDINALES EJE 4-9																															
			FILE NAME:				VALIDATED by: E.CABRERO																																					
			CLASSIFICATION				VERIFIED by: M.VALLEJOR.PRATS						EGP CODE																															
<table border="1"> <tr> <td>00</td> <td>ABR/21</td> <td>APROBADO</td> </tr> <tr> <td>REV.</td> <td>DATE</td> <td>DESCRIPTION</td> </tr> </table>			00	ABR/21	APROBADO	REV.	DATE	DESCRIPTION	<table border="1"> <tr> <td>FORMAT: A3</td> <td>SCALE: H 1/2000 V 1/500</td> <td>PLOT SCALE: 1:1</td> <td>SHEET: 20 di / of 22</td> </tr> </table>				FORMAT: A3	SCALE: H 1/2000 V 1/500	PLOT SCALE: 1:1	SHEET: 20 di / of 22	Engineering & Construction		COLLABORATORS		<table border="1"> <tr> <td>GROUP</td> <td>FUNCTION</td> <td>TYPE</td> <td>ISSUER</td> <td>COUNTRY</td> <td>TEC.</td> <td>PLANT</td> <td>SYSTEM</td> <td>PROGRESSIVE</td> <td>REVISION</td> </tr> <tr> <td>GREEN</td> <td>EECD</td> <td>73E</td> <td>SW14</td> <td>0940</td> <td>0030</td> <td>0003</td> <td>0000</td> <td>0000</td> <td>0000</td> </tr> </table>				GROUP	FUNCTION	TYPE	ISSUER	COUNTRY	TEC.	PLANT	SYSTEM	PROGRESSIVE	REVISION	GREEN	EECD	73E	SW14	0940	0030	0003	0000	0000	0000
00	ABR/21	APROBADO																																										
REV.	DATE	DESCRIPTION																																										
FORMAT: A3	SCALE: H 1/2000 V 1/500	PLOT SCALE: 1:1	SHEET: 20 di / of 22																																									
GROUP	FUNCTION	TYPE	ISSUER	COUNTRY	TEC.	PLANT	SYSTEM	PROGRESSIVE	REVISION																																			
GREEN	EECD	73E	SW14	0940	0030	0003	0000	0000	0000																																			

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LEYENDA

- Terreno natural
- Rasante



EH:1/2000
 EV:1/500

Eje 4-9

DISTANCIAS	P.K.		P.K.																																	
	AL ORIGEN	PARCIALES																																		
			3220.000	3240.000	3260.000	3280.000	3300.000	3320.000	3340.000	3360.000	3380.000	3400.000	3420.000	3440.000	3460.000	3480.000	3500.000	3520.000	3540.000	3560.000	3580.000	3600.000	3620.000	3640.000	3660.000	3680.000	3700.000	3720.000	3740.000	3760.000	3780.000	3800.000	3820.000	3840.000	3860.000	
			20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	
			469.800	469.800	469.893	470.428	471.029	471.630	472.231	472.858	473.710	474.824	476.024	477.224	478.424	479.624	480.824	482.024	483.224	484.424	485.614	486.606	487.331	487.800	488.000	488.000	488.000	488.000	488.000	488.103	488.593	489.334	490.133	491.005	491.793	492.404
			469.249	469.677	469.892	470.528	470.927	471.576	472.150	472.796	473.590	474.353	474.957	475.909	476.812	477.817	478.454	479.185	479.668	480.424	481.407	482.084	482.861	483.716	484.413	485.336	486.500	487.220	488.103	488.593	489.334	490.133	491.005	491.793	492.404	
						0.100																						0.103	0.593	1.153	1.277	1.154	0.943	0.554		
			0.551	0.123	0.001	0.102	0.054	0.081	0.062	0.120	0.471	1.067	1.315	1.612	1.807	2.370	2.839	3.556	4.000	4.207	4.521	4.469	4.084	3.587	2.664	1.500	0.780									
			RECTA L=225.713 m		R=-100 L=58.500 m		RECTA L=48.589 m		R=-200 L=57.669 m		R=500 L=64.058 m		R=-100 L=62.664 m		R=150 L=41.853 m		RECTA L=176.425 m				R=100 L=59.179 m				R=-100 L=49.705 m											

00	ABR/21	APROBADO	SATEL	SATEL	SATEL
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

CONTRACTOR'S LOGO: **satel**

PROJECT: **PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)**

FILE NAME:

CLASSIFICATION: **A3**

FORMAT: **A3** | SCALE: **H 1/2000 V 1/500** | PLOT SCALE: **1:1** | SHEET: **21 di / of 22**

enel Green Power

Engineering & Construction

EGP VALIDATION: VALIDATED by E.CABRERO, VERIFIED by M.VALLEJOR.PRATS

TITLE: **PERFILES LONGITUDINALES EJE 4-9**

UTILIZATION SCOPE: **GREEN**

EGP CODE: **EECD73ESW140940003000**

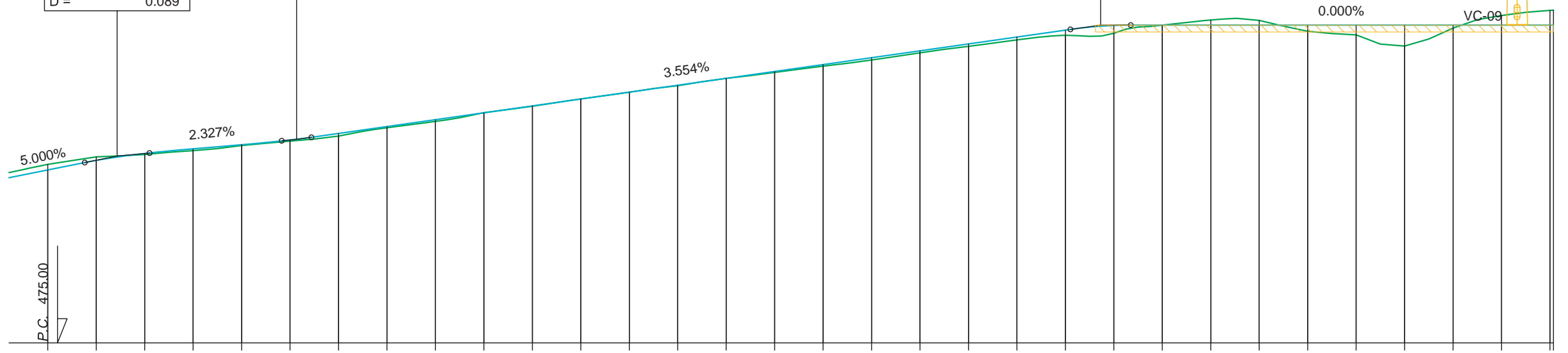
LEYENDA

	Terreno natural
	Rasante

PK=	4+314.519
CV=	507.800
KV=	700.000
W =	-0.036
Lv=	24.881
D =	0.111

PK=	3+908.621
CV=	494.281
KV=	1000.000
W =	-0.027
Lv=	26.726
D =	0.089

PK=	3+982.673
CV=	496.005
KV=	1000.000
W =	0.012
Lv=	12.270
D =	-0.019



EH:1/2000
 EV:1/500

Eje 4-9

DISTANCIAS	P.K.		ORDENADAS	COTAS ROJAS	CURVATURA
	AL ORIGEN	PARCIALES			
	3880.000	3900.000	492.850	0.575	R=-100 L=49.705 m
20.000	3900.000	3920.000	493.839	0.357	
	3920.000	3940.000	494.443		RECTA L=168.013 m
20.000	3940.000	3960.000	494.844	0.101	
	3960.000	3980.000	495.012		R=400 L=78.952 m
20.000	3980.000	4000.000	495.477	0.107	
	4000.000	4020.000	495.949		RECTA L=94.717 m
20.000	4020.000	4040.000	496.621	0.125	
	4040.000	4060.000	497.332		R=150 L=35.517 m
20.000	4060.000	4080.000	497.856	0.186	
	4080.000	4100.000	498.753		RECTA L=35.652 m
20.000	4100.000	4120.000	499.464	0.043	
	4120.000	4140.000	500.175		R=100 L=86.042 m
20.000	4140.000	4160.000	500.886	0.994	
	4160.000	4180.000	501.597		RECTA L=130.566 m
20.000	4180.000	4200.000	502.308	1.518	
	4200.000	4220.000	503.019		
20.000	4220.000	4240.000	503.730	1.542	
	4240.000	4260.000	504.440		
20.000	4260.000	4280.000	505.151		
	4280.000	4300.000	505.862		
20.000	4300.000	4320.000	506.573		
	4320.000	4340.000	507.284		
20.000	4340.000	4360.000	507.995		
	4360.000	4380.000	508.706		
20.000	4380.000	4400.000	509.417		
	4400.000	4420.000	510.128		
20.000	4420.000	4440.000	510.839		
	4440.000	4460.000	511.550		
20.000	4460.000	4480.000	512.261		
	4480.000	4500.000	512.972		
20.000	4500.000	4501.423	513.683		

CONTRACTOR'S LOGO			PROJECT: PARQUE EÓLICO "VIENTOS DEL CIERZO" EN LOS TT.MM. DE CASCANTE, TUDELA Y CINTRUÉNIGO (NAVARRA)				EGP VALIDATION		UTILIZATION SCOPE			TITLE: PERFILES LONGITUDINALES EJE 4-9		
			FILE NAME:				VALIDATED by: E.CABRERO							
			CLASSIFICATION				VERIFIED by: M.VALLEJOR.PRATS							
			FORMAT: A3				COLLABORATORS							
			SCALE: H 1/2000 V 1/500				SHEET: 22 di / of 22							
			PLOT SCALE: 1:1				Engineering & Construction							
									EGP CODE					
REV. 00			DATE: ABR/21				DESCRIPTION: APROBADO		GROUP: GREEEC			FUNCTION: D73E		
PREPARED			CHECKED				APPROVED		ISSUER: SW140940003000			COUNTRY: ES		
									PLANT			SYSTEM		
									PROGRESSIVE			REVISION		