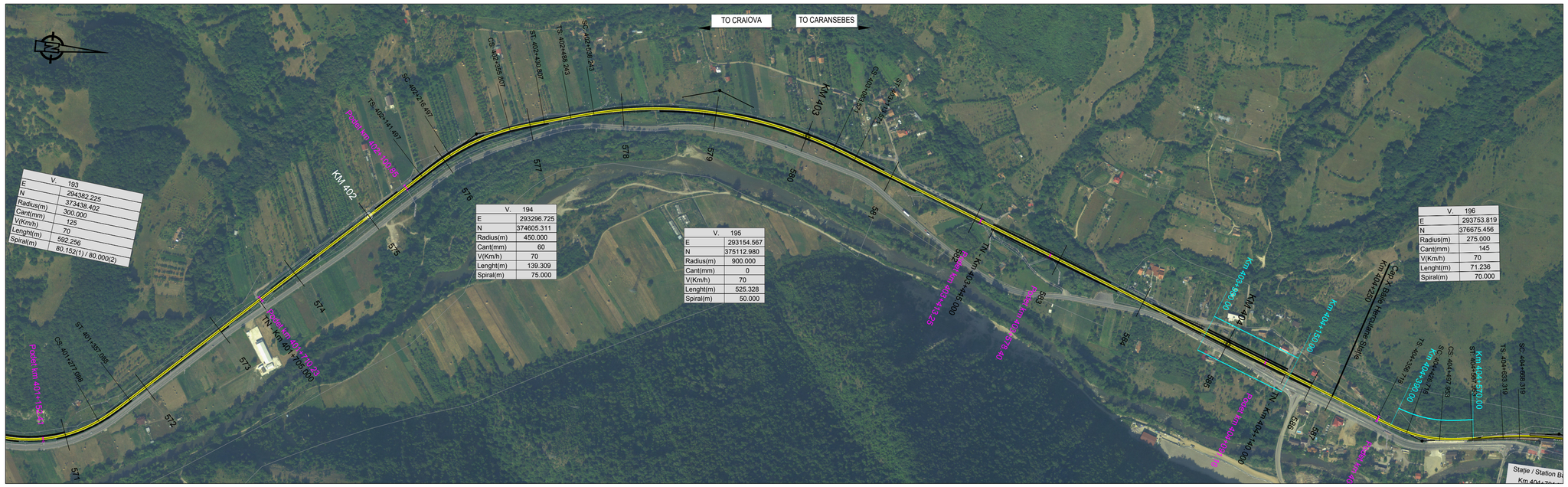
NOTE:

1. Poziţiile kilometrice prezentate (km) se referă la poziţiile proiectate pe firul I. / The reported kilometric positions (km) refer to designed positions on track I.
2. În profilul longitudinal, podeţele şi lucrările de consolidare nu sunt reprezentate. / In the longitudinal profile, culverts and consolidation works are not represented.
3. Pentru tronsoanele în care traseu orizontal este neschimbat în comparaţie cu cel existent, cotele terenului corespund cu cotele substratului căii. / For the sections where the horizontal alignment is unchanged compared to the existing, the ground levels correspond with the existing sub-ballast level .

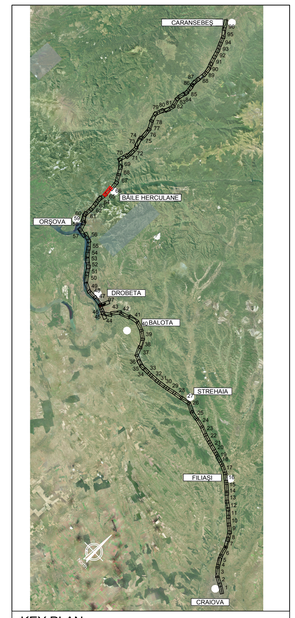


V.	193
E	294382.225
N	373438.402
Radius(m)	300.000
Cant(mm)	125
V(Km/h)	70
Lenght(m)	592.256
Spiral(m)	80.152(1) / 80.000(2)

V.	194
E	293296.725
N	374605.311
Radius(m)	450.000
Cant(mm)	60
V(Km/h)	70
Lenght(m)	139.309
Spiral(m)	75.000

V.	195
E	293154.567
N	375112.980
Radius(m)	900.000
Cant(mm)	0
V(Km/h)	70
Lenght(m)	525.328
Spiral(m)	50.000

V.	196
E	293753.819
N	376675.456
Radius(m)	275.000
Cant(mm)	145
V(Km/h)	70
Lenght(m)	71.236
Spiral(m)	70.000



KEY PLAN

PROFIL LONGITUDINAL / VERTICAL ALIGNMENT

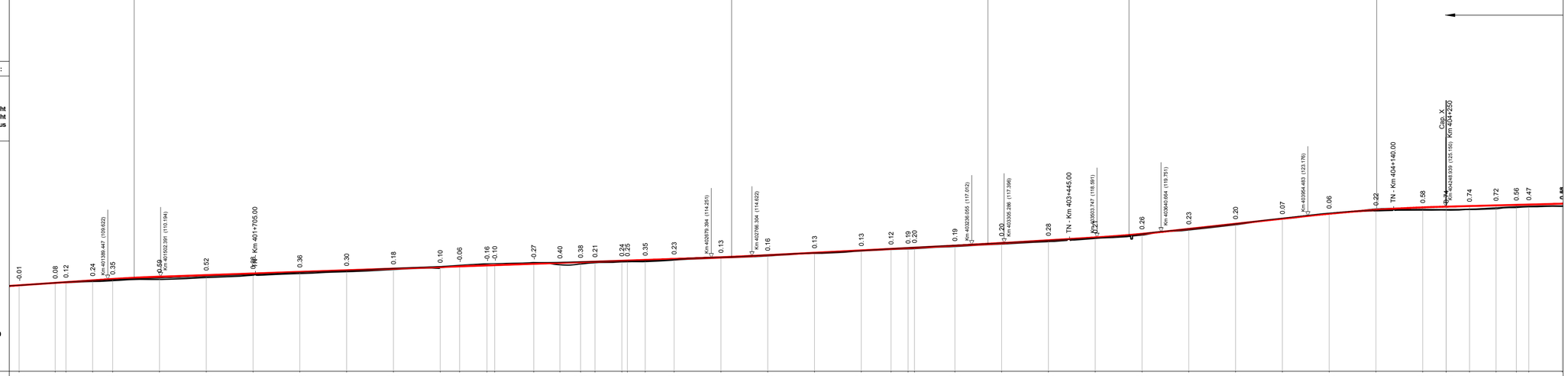
L = 7 | 1276.930 | 547.821 | 301.537 | 529.500 | 1274.509

VHD = 4.402 | 2.787 | 1.816 | 5.778 | 3.185

Grade = 0.345 | 0.509 | 0.602 | 1.091 | 0.250

PROFIL KILOMETRICE / VERTICAL CHAINAGE: 401445.919 | 402722.849 | 403270.670 | 403572.207 | 404101.707

	VC	VH	SD	R	T	E
	401445.919	109.999	-0.323	35000.000	56.473	-0.046
	402722.849	114.401	0.164	-53000.000	43.455	0.018
	403270.670	117.188	0.094	-74000.000	34.616	0.008
	403572.207	119.004	0.489	-28000.000	68.461	0.084
	404101.707	124.782	-0.841	35000.000	147.233	-0.310



SCARA / SCALE X= 5000
SCARA / SCALE Y= 500

Plan de Referinţă 90.00 m

N. SECTIUNE / SECTION NUMBER	NIVEL SUPERIOR SINA (NSS) / TOP OF RAIL (TOR)	COTA TEREN (CT) / GROUND LEVEL (GL)	NSS EXISTENTĂ / EXISTING TOR	KILOMETRAJ / KILOMETERS
571	108.36	108.37	108.36	401200.00
	108.87	108.79	108.05	401300.00
	109.03	108.91	109.05	401400.00
572	109.41	109.17	109.56	401500.00
	109.69	109.34	109.89	401600.00
573	110.19	109.60	110.25	401700.00
	110.53	110.01	110.65	401800.00
574	110.88	110.50	110.65	401900.00
	111.22	110.85	111.11	402000.00
575	111.56	111.26	111.47	402100.00
	111.91	111.73	111.97	402200.00
576	112.25	112.15	112.39	402300.00
	112.40	112.45	112.99	402400.00
577	112.60	112.76	113.37	402500.00
	112.86	112.79	113.55	402600.00
578	112.94	113.21	113.19	402700.00
	113.14	112.74	113.87	402800.00
579	113.29	112.91	113.37	402900.00
	113.39	113.18	113.55	403000.00
580	113.59	113.35	113.41	403100.00
	113.63	113.38	113.76	403200.00
581	113.76	113.41	113.75	403300.00
	113.98	113.75	113.87	403400.00
582	114.33	114.20	114.35	403500.00
	114.79	114.63	114.81	403600.00
583	115.30	115.17	115.28	403700.00
	115.81	115.68	115.77	403800.00
584	116.13	116.01	116.38	403900.00
	116.83	116.64	116.88	404000.00
585	117.36	117.16	117.39	404100.00
	117.97	117.69	117.92	404200.00
586	118.57	118.36	118.47	404300.00
	119.34	119.08	119.33	404400.00
587	120.40	120.17	120.39	404500.00
	121.49	121.29	121.48	404600.00
	122.58	122.51	122.70	404700.00
	123.64	123.58	123.79	404800.00
	124.46	124.24	124.38	404900.00
	124.99	124.41	124.62	405000.00
	125.15	124.41	124.54	405100.00
	125.28	124.66	124.70	405200.00
	125.42	124.97	125.18	405300.00
	125.53	125.12	125.59	405400.00
	125.59	125.26	125.71	405500.00

POZITII KILOMETRICE / CHAINAGE: 402 | 403 | 404

TRASEU IN PLAN / HORIZONTAL ALIGNMENT: TL= 80.00 | L= 784.41 | TL= 75.00 | R=450.00 L= 139.31 | TL= 75.00 | L= 57.44 | TL= 50.00 | R=900.00 L= 525.33 | TL= 50.00 | L= 1243.15 | TL= 70.00 | R=-275.00 L= 71.24

Abbreviations and Acronyms

VERTICAL ALIGNMENT:

- L = Grade Length
- VHD= Vertex Height Difference
- VC = Vertex Chainage
- VH = Vertex Height
- SD = Slope Difference
- R = Vertical Radius
- T = Tangent
- E = External Distance

HORIZONTAL ALIGNMENT:

- T = Tangent
- C = Horizonal Curve
- S = Spiral
- L = Cuve or Tangent Lenght
- TL = Transition Curve Lenght
- R = Horizontal Curve Radius
- C = Cant

LEGENDĂ / LEGEND

- Traseu C.F. Linie Dubla / Railway Alignment Double Line
- Traseu C.F. Linie Simpla / Railway Alignment Single Line
- Viaduct / Viaduct
- Pod / Underpass
- Pasaj superior / Overpass
- Podet / Culvert
- Podet existent / Existing Culvert
- Pod existent / Existing Bridge
- Tunel / Tunnel
- Area de siguranta si strada de aces / Safety area and access path
- Lucrări de consolidari / Consolidation Works
- Drumuri Deviate / Diverted Roads
- Treceri La Nivel / Level crossing
- TN - Km x+x

Scara / Scale 1: 5.000

0 100m 200m 300m

SISTEM DE COORDONATE DE REFERINŢĂ
Punct de Origine Pentru Sistem de Coordonate: S-42
Unitatea de Măsură România: metri
Proiecţie: Stereo 70

COORDINATE REFERENCE SYSTEM
Datum: S-42 Romania Units: meters
Projection: Stereo 70

REV.	DATA/DATE	DESCRIERE MODIFICARE / MODIFICATION DESCRIPTION
A	Mai 2020	Prima ediţie SFF / FFS First submission
B	Sept 2020	Conform solicitărilor Beneficiarului din act nr.11/2/504/2020
C		
D		

FAZA PHASE	NUME NAME	SEMNATURA SIGNATURE
APROBAT APPROVED	S. Menichini	
VERIFICAT CHECKED	S. Menichini	
INTOCMIT ELABORATED	F. Sorge	
SCARA SCALE	1:5000 / 1:500	FOAIE SHEET 65 din 97 / 65 of 97

Cofinanta de Mecanismul pentru interconectarea Europei al Uniunii Europene

DATA DATE: Mai 2020

CLIENT CLIENT: C.N.C.F. "C.F.R." - S.A.

CONSULTANT CONSULTANT: ITALFERR GRUPPO FERROVIE DELLO STATO ITALIANE Lider Asociere; ISPCF Fondat in 1947; ITALROM INGINERIE INTERNATIONALA S.r.l.

STUDIU DE FEZABILITATE PENTRU REABILITARE A
LINIEI FEROVIARE CRAIOVA - CARANSEBEŞ /
FEASIBILITY STUDY FOR THE REHABILITATION OF THE
RAILWAY LINE CRAIOVA - CARANSEBES

DENUMIRE / TITLE:
Interval Topleţ Hm. - Băile Herculane St. - km 398+810 - km 404+250 - 2 din 2
Interval Topleţ Hm. - Băile Herculane St. - km 398+810 - km 404+250 - 2 of 2

CODIFICARE / CODIFICATION SYSTEM:

NUMAR PROJECT	NUMAR SECTIUNE	FAZA DE PROIECTARE	STATIE / INTERVAL	TIP DOCUMENT	SPECIALITATEA	NUMAR OBIECT	NUMEROTARE PROGRESIVA	REVIZIE
E218	I	SF	41	K5	AL	0 05	065	B