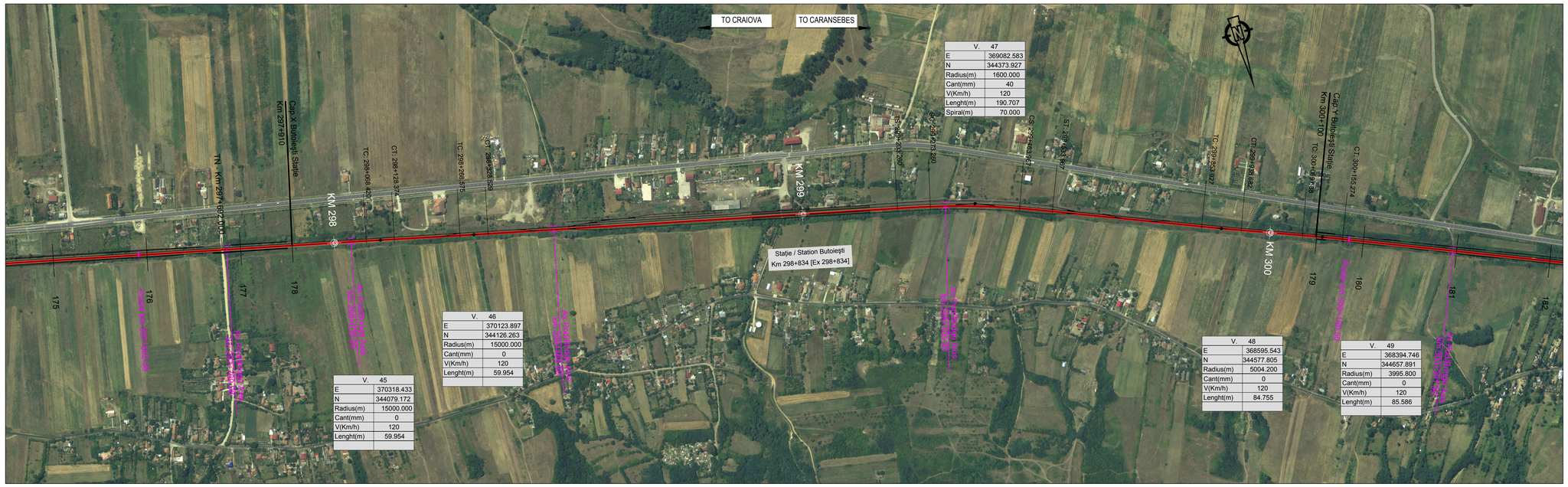
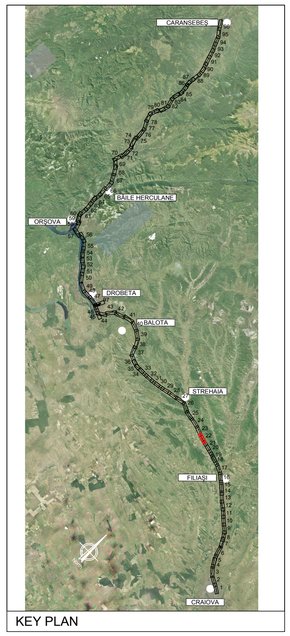
NOTE:

1. Pozițiile kilometrice prezentate (km) se referă la poziție proiectate pe firul I. / The reported kilometric positions (km) refer to designed positions on track I.
2. În profilul longitudinal, podețele și 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 comparație 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 .





KEY PLAN

PROFIL LONGITUDINAL / VERTICAL ALIGNMENT

L =	524.923	1519.299	638.125	288.463	436.132	
VHD =	0.415	0.432	0.955	1.006	0.422	
Grade =	0.079	0.028	0.150	0.349	0.097	

PROFIL KILOMETRICE / VERTICAL CHAINAGE: 73 | 297842.597 | 299361.896 | 300000.021 | 300288.484

VC = 297842.597	VC = 299361.896	VC = 300000.021	VC = 300288.484
VH = 117.633	VH = 118.064	VH = 119.019	VH = 120.025
SD = -0.051	SD = 0.121	SD = 0.199	SD = -0.252
R = 62000.000	R = -50000.000	R = -28000.000	R = 32000.000
T = 15.693	T = 30.290	T = 27.870	T = 40.305
E = -0.002	E = 0.009	E = 0.014	E = -0.025

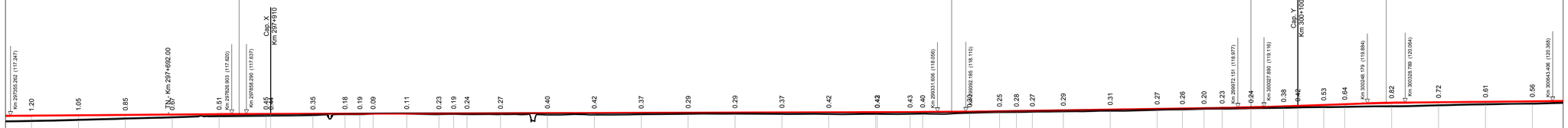
Abbreviations and Acronyms

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



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

Plan de Referință 100.00 m

N. SECTIUNE / SECTION NUMBER	KILOMETRAJ / KILOMETERS	NIVEL SUPERIOR SINA (NSS) / TOP OF RAIL (TOR)	COTA TEREN (CT) / GROUND LEVEL (GL)	NSS EXISTENTĂ / EXISTING TOR
175	297400.00	116.08	117.28	116.38
	297500.00	116.31	117.36	116.54
	297600.00	116.59	117.44	116.85
	297700.00	116.83	117.52	117.07
	297800.00	117.09	117.60	117.33
	297900.00	117.33	117.68	117.53
176	298000.00	117.60	117.33	117.68
	298100.00	117.79	117.52	117.70
	298200.00	117.87	117.62	117.73
	298300.00	117.77	117.57	117.76
	298400.00	117.73	117.52	117.79
	298500.00	117.72	117.42	117.82
	298600.00	117.78	117.43	117.85
	298700.00	117.82	117.51	117.88
	298800.00	117.92	117.61	117.90
	298900.00	117.88	117.64	117.93
	299000.00	117.83	117.59	117.96
	299100.00	117.86	117.57	117.99
	299200.00	117.91	117.59	118.02
	299300.00	118.04	117.63	118.05
	299400.00	118.21	117.82	118.12
	299500.00	118.37	117.99	118.27
	299600.00	118.43	118.13	118.42
	299700.00	118.51	118.26	118.57
	299800.00	118.60	118.45	118.72
	299900.00	118.75	118.67	118.87
	300000.00	118.87	118.79	119.03
179	300100.00	119.18	118.95	119.37
	300200.00	119.34	119.08	119.72
	300300.00	119.52	119.20	120.02
181	300403.00	119.72	119.41	120.13
	300500.00	119.88	119.62	120.23
182	300600.00	120.01	119.77	120.33

POZITII KILOMETRICE / CHAINAGE: 298 — 299 — 300

TRASEU IN PLAN / HORIZONTAL ALIGNMENT: R=15000.00 L= 59.95 | L= 140.20 | R= 15000.00 L= 59.95 | L= 874.73 | TL= 70.00 | R=1600.00 L= 190.71 | TL= 70.00 | L= 319.96 | R=5004.20 L= 84.76 | L= 131.01 | R=3995.80 L= 85.59

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 REFERINȚĂ
Punct de Origine Pentru Sistem de Coordonate: S-42
Unitatea de Măsură România: metri
Proiecție: 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 ediție 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 22 din 97 / 22 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:
Butoieşti Hm. - km 297+910 - km 300+100 - 1 din 1
Butoieşti Hm. - km 297+910 - km 300+100 - 1 of 1

CODIFICARE / CODIFICATION SYSTEM:

NUMAR PROIECT	NUMAR SECTIUNE	FAZA DE PROIECTARE	STATIE / INTERVAL	TIP DOCUMENT	SPECIALITATEA	NUMAR OBIECT	NUMEROTARE PROGRESIVA	REVIZIE
E218	S	SF	15	K5	AL	0 05	022	B