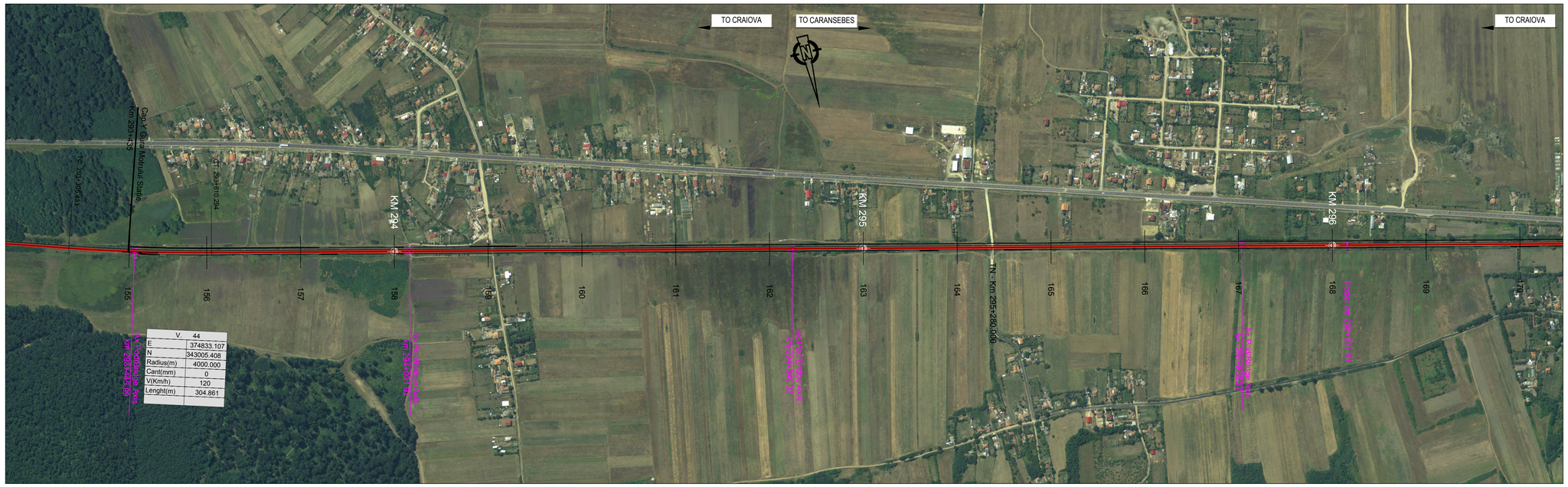
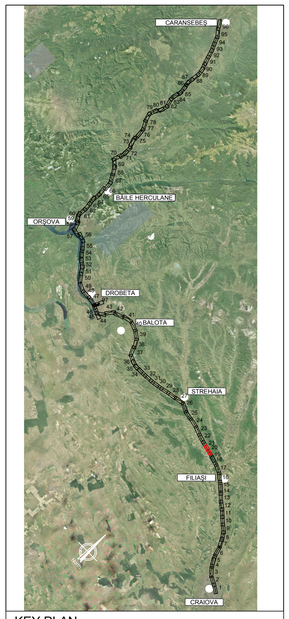
NOTE:

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 .





KEY PLAN

PROFIL LONGITUDINAL / VERTICAL ALIGNMENT						
L =	1386.325	482.222	513.820	414.013	463.51	
VHD =	2.200	2.231	1.759	-0.704	2.083	
Grade =	0.159	0.463	0.342	-0.170	0.449	
PROFIL KILOMETRICE / VERTICAL CHAINAGE	293455.359	294841.684	295323.906	295837.726	296251.739	

	293455.359	294841.684	295323.906	295837.726	296251.739
VC =	293455.359	294841.684	295323.906	295837.726	296251.739
VH =	109.981	112.181	114.412	116.170	115.467
SD =	0.116	0.304	-0.120	-0.512	0.619
R =	-100000.000	-50000.000	52000.000	38000.000	-32000.000
T =	57.772	75.971	31.270	97.328	99.113
E =	0.017	0.058	-0.009	-0.125	0.153

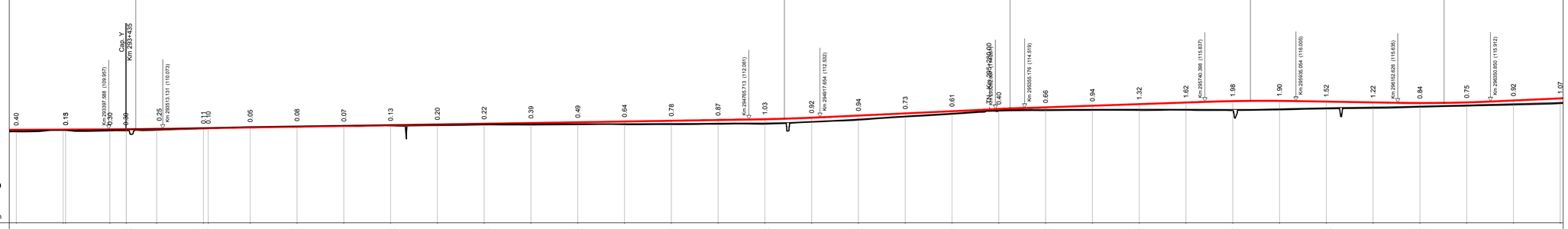
Abbreviations and Acronyms

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 Referinţă 90.00 m

N. SECTIUNE / SECTION NUMBER	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170
NIVEL SUPERIOR SINA (NSS) / TOP OF RAIL (TOR)	109.97	109.97	109.96	110.05	110.21	110.37	110.53	110.69	110.85	111.00	111.16	111.32	111.48	111.64	111.80	111.96
COTA TEREN (CT) / GROUND LEVEL (GL)	109.47	109.80	109.60	109.80	110.10	110.32	110.45	110.62	110.79	110.89	110.94	111.09	111.09	111.00	111.02	111.09
NSS EXISTENTĂ / EXISTING TOR	109.80	109.80	109.85	110.07	110.28	110.56	110.76	110.85	110.93	111.00	111.15	111.20	111.26	111.27	111.31	111.32
KILOMETRAJ / KILOMETERS	293200.00	293300.00	293400.00	293500.00	293600.00	293700.00	293800.00	293900.00	294000.00	294100.00	294200.00	294300.00	294400.00	294500.00	294600.00	294700.00
POZITII KILOMETRICE / CHAINAGE	294															
TRASEU IN PLAN / HORIZONTAL ALIGNMENT	R=-4000.00 L= 304.86															

N. SECTIUNE / SECTION NUMBER	163	164	165	166	167	168	169	170
NIVEL SUPERIOR SINA (NSS) / TOP OF RAIL (TOR)	112.13	112.45	112.91	113.38	113.84	114.30	114.67	115.01
COTA TEREN (CT) / GROUND LEVEL (GL)	111.09	111.09	111.09	111.09	111.09	111.09	111.09	111.09
NSS EXISTENTĂ / EXISTING TOR	111.28	111.53	111.97	112.65	113.23	113.90	114.08	114.12
KILOMETRAJ / KILOMETERS	294800.00	294900.00	295000.00	295100.00	295200.00	295300.00	295400.00	295500.00
POZITII KILOMETRICE / CHAINAGE	295							
TRASEU IN PLAN / HORIZONTAL ALIGNMENT	L= 4458.13							

N. SECTIUNE / SECTION NUMBER	166	167	168	169	170
NIVEL SUPERIOR SINA (NSS) / TOP OF RAIL (TOR)	115.36	115.59	115.89	115.72	116.13
COTA TEREN (CT) / GROUND LEVEL (GL)	111.09	111.09	111.09	111.09	111.09
NSS EXISTENTĂ / EXISTING TOR	114.04	114.01	114.37	114.50	115.21
KILOMETRAJ / KILOMETERS	295600.00	295700.00	295800.00	295900.00	296000.00
POZITII KILOMETRICE / CHAINAGE	296				
TRASEU IN PLAN / HORIZONTAL ALIGNMENT					

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 acces / Safety area and access path
- Lucrări de consolidari / Consolidation Works
- Drumuri Deviate / Diverted Roads
- Treceri La Nivel / Level crossing

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 20 din 97 / 20 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 Gura Motrului Hm. - Butoieşti Hm. - km 293+435 - km 297+910 - 1 din 2
Interval Gura Motrului Hm. - Butoieşti Hm. - km 293+435 - km 297+910 - 1 of 2

CODIFICARE / CODIFICATION SYSTEM:

NUMAR PROIECT	NUMAR SECTIUNE	FAZA DE PROIECTARE	STATIE / INTERVAL	TIP DOCUMENT	SPECIALITATEA	NUMAR OBIECT	NUMEROTARE PROGRESIVA	REVIZIE
E218	I	SF	14	K5	AL	0 05	020	B