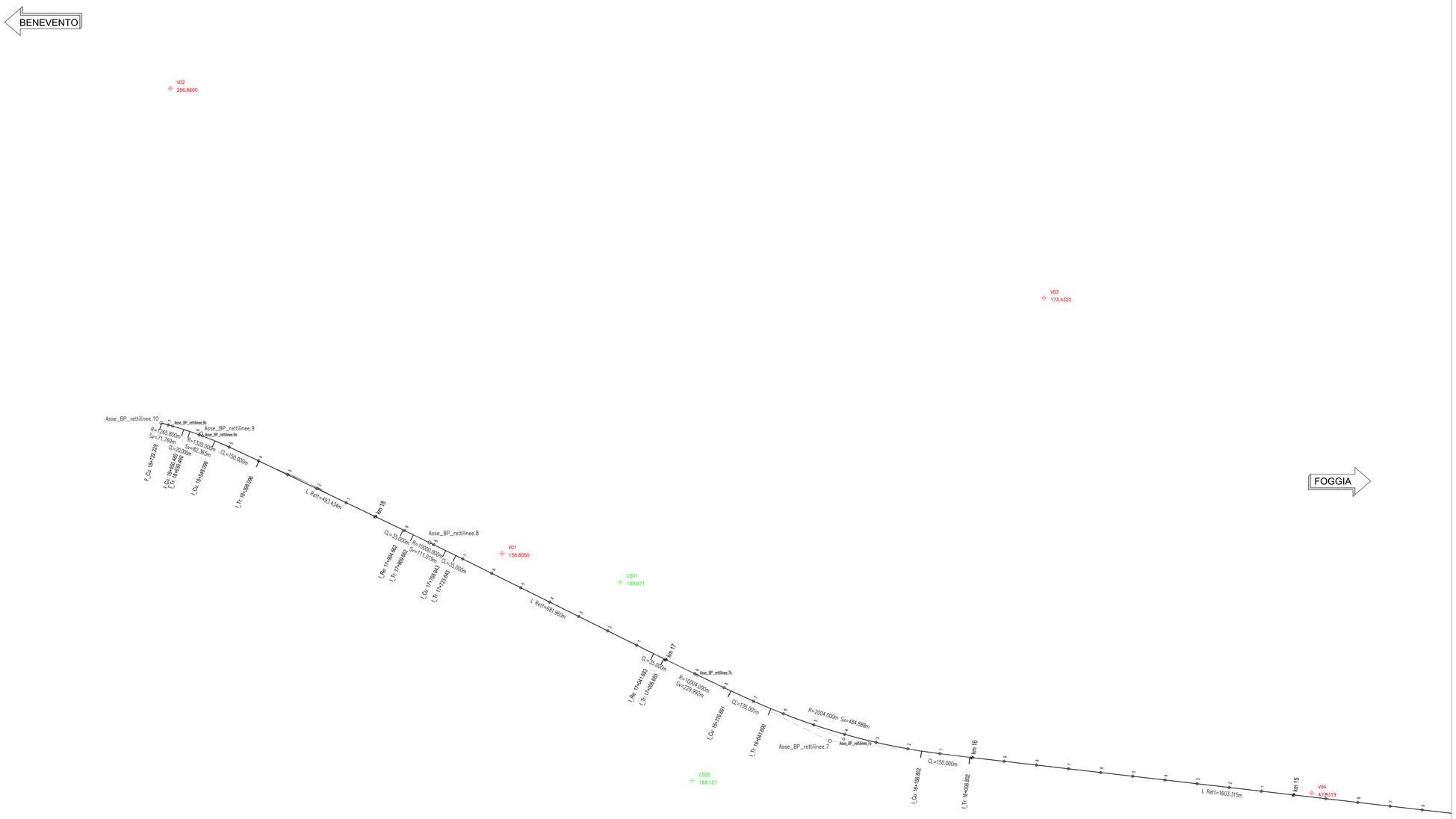
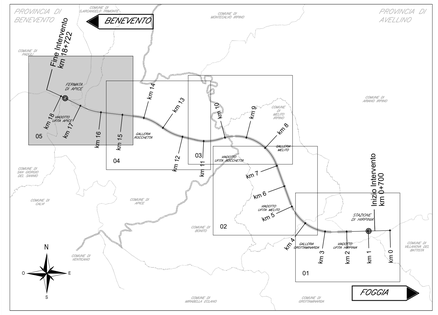


KEY-PLAN - Scala 1:100.000



RETE CAPOSALDI DI RAFFITTIMENTO

RETE CAPOSALDI IMPIANTO COORDINATE RETTILINEE

Nome	Ascissa	Ordinata	Quota	Q. LIVELLATA
IGM174703	27899.8832	147444.5290	607.0560	
IGM174903	11934.9921	153349.8454	638.5910	
V01	7606.6281	155238.1122	158.8050	
V02	6581.8449	156674.7781	286.8660	
V03	9280.7177	156027.1849	173.4320	
V04	10107.4452	154498.2937	473.3190	
V05	14964.0046	153369.4609	203.9660	204.0940
V06	17100.9302	152582.7763	365.5180	365.5970
V07	18443.8818	151757.7859	492.6110	
V08	18331.8011	149689.8380	340.0730	
V09	19999.9653	149999.9363	324.9090	
V10	23456.3995	150277.7273	356.4250	
V11	22635.0852	147293.9440	344.8990	
V12	25077.9819	145895.1129	367.0100	
V13	24610.0420	147221.7669	370.3380	
V14	4425.2993	154303.7737	153.2710	
V15	8959.2470	153307.5386	241.7190	241.8010
V16	13137.4179	155516.1705	310.5130	
V17	14225.8863	152291.0809	373.2850	
V18	17106.7556	153715.2060	421.0830	421.0830
V19	16826.8906	150697.2647	239.3230	
V20	18073.3681	149153.6371	428.6010	
V21	19557.0319	147241.5485	413.1690	
V22	21354.5702	149119.0393	329.9870	330.1060
V23	24185.1584	149104.1327	405.8150	

RETE CAPOSALDI RAFFITTIMENTO COORDINATE RETTILINEE LIVELLATE

Nome	Ascissa	Ordinata	Quota
CS01	7971.5960	155150.1808	158.5710
CS02	8194.9191	154536.3659	169.1210
CS03	9553.0234	153939.1970	431.5790
CS04	10799.1858	154569.1145	462.9990
CS05	11530.3890	154328.5152	558.9460
CS06	12221.2005	153843.0582	605.7050
CS07	13139.4026	153559.7572	425.8160
CS08	14378.5788	153414.5934	277.7140
CS09	15024.4609	153866.1606	205.2560
CS10	16340.9531	153922.1810	349.2480
CS11	16312.8894	152313.0009	294.8980
CS12	16930.9661	151868.2534	318.8150
CS13	17343.3671	150982.6566	326.2870
CS14	18552.4053	150843.1720	430.0360
CS15	18801.3332	150024.6332	373.2210
CS16	18756.4326	149639.2615	326.8620
CS17	19237.6865	148539.4377	394.3650
CS18	19964.2973	148765.3725	328.8430
CS19	20841.3509	148589.1551	323.4700
CS20	22659.8748	150363.8585	352.3980
IGM174703	27899.8832	147444.5290	607.0410
IGM174903	11934.9921	153349.8454	638.5910

VERTICI PLANIMETRICI ASSE BINARIO PARI

FERROVIA Asse_BP_rettilinee	
PIANO V Asse_BP_rettilinee.1	
X	21699.378
Y	149136.611
Azin	298.264246g

FERROVIA Asse_BP_rettilinee			
PIANO V Asse_BP_rettilinee.2			
X	18311.190	Azin	298.264246g
Y	149044.208	Azfin	377.622801g
R(m)	2004.000	V(km/h)	200
Sv(m)	2348.109	Ltr(m)	150.000
Alfa	74.593437g	m(m)	0.468
Alfa tot	79.358555g	D(mm)	145
Tarco(m)	1329.794	dD/dt	53.704
I(mm)	90.529	dD/dL	0.967
E(mm)	107.315	di/dt	33.529

FERROVIA Asse_BP_rettilinee			
PIANO V Asse_BP_rettilinee.3			
X	16513.669	Azin	377.622801g
Y	153945.699	Azfin	282.093959g
R(m)	−2000.000	V(km/h)	200
Sv(m)	2851.127	Ltr(m)	150.000
Alfa	90.754204g	m(m)	0.469
Alfa tot	95.528842g	D(mm)	145
Tarco(m)	1728.755	dD/dt	53.704
I(mm)	91.000	dD/dL	0.967
E(mm)	107.240	di/dt	33.704

FERROVIA Asse_BP_rettilinee			
PIANO V Asse_BP_rettilinee.4			
X	13962.310	Azin	282.093959g
Y	153208.543	Azfin	314.825353g
R(m)	2004.000	V(km/h)	200
Sv(m)	880.344	Ltr(m)	150.000
Alfa	27.966277g	m(m)	0.468
Alfa tot	32.731395g	D(mm)	145
Tarco(m)	447.390	dD/dt	53.704
I(mm)	90.529	dD/dL	0.967
E(mm)	107.315	di/dt	33.529

FERROVIA Asse_BP_rettilinee			
PIANO V Asse_BP_rettilinee.5			
X	12371.955	Azin	314.825353g
Y	153585.742	Azfin	338.203964g
R(m)	2204.000	V(km/h)	200
Sv(m)	674.376	Ltr(m)	135.000
Alfa	19.479175g	m(m)	0.345
Alfa tot	23.378611g	D(mm)	130
Tarco(m)	339.844	dD/dt	53.498
I(mm)	84.156	dD/dL	0.963
E(mm)	95.735	di/dt	34.632

FERROVIA Asse_BP_rettilinee			
PIANO V Asse_BP_rettilinee.6			
X	11250.800	Azin	338.203964g
Y	154352.940	Azfin	307.368019g
R(m)	−2200.000	V(km/h)	200
Sv(m)	930.614	Ltr(m)	135.000
Alfa	26.929416g	m(m)	0.345
Alfa tot	30.835945g	D(mm)	130
Tarco(m)	472.372	dD/dt	53.498
I(mm)	84.546	dD/dL	0.963
E(mm)	95.673	di/dt	34.792

FERROVIA Asse_BP_rettilinee	
PIANO V Asse_BP_rettilinee.7	
X	8619.108
Y	154658.891
Az1	307.368019g
Alfa	21.935053g
Az2	329.303072g
T1(m)	435.045
T2(m)	607.518
Svtot(m)	1034.881

FERROVIA Asse_BP_rettilinee	
PIANO V Asse_BP_rettilinee.7a	
Alfa	15.403672g
R(m)	2004.000
Tarco(m)	243.634
Sv(m)	484.888
V(km/h)	200
CL1(m)	150.000
m1(m)	0.468
D(mm)	145
CL2(m)	135.001
m2(m)	0.303
I(mm)	90.529
E(mm)	107.315
dD/dt1	53.704
dD/dL1	0.967
di/dt1	33.529
dD/dt2	49.382
dD/dL2	0.889
di/dt2	28.127

FERROVIA Asse_BP_rettilinee	
PIANO V Asse_BP_rettilinee.7b	
Alfa	1.463588g
R(m)	10004.000
Tarco(m)	115.001
Sv(m)	229.992
V(km/h)	200
CL1(m)	–
m1(m)	–
D(mm)	25
CL2(m)	35.000
m2(m)	0.005
I(mm)	22.181
E(mm)	17.451
dD/dt2	39.683
dD/dL2	0.714
di/dt2	35.208

FERROVIA Asse_BP_rettilinee			
PIANO V Asse_BP_rettilinee.8			
X	8201.185	Azin	329.303072g
Y	154866.102	Azfin	328.373484g
R(m)	−10000.000	V(km/h)	200
Sv(m)	111.019	Ltr(m)	35.000
Alfa	0.706771g	m(m)	0.005
Alfa tot	0.929588g	D(mm)	25
Tarco(m)	55.510	dD/dt	39.683
I(mm)	22.200	dD/dL	0.714
E(mm)	17.448	di/dt	35.238

FERROVIA Asse_BP_rettilinee	
PIANO V Asse_BP_rettilinee.9	
X	6677.695
Y	155608.732
Az1	328.373484g
Alfa	12.184261g
Az2	316.189222g
T1(m)	197.434
T2(m)	127.525
Svtot(m)	324.134

FERROVIA Asse_BP_rettilinee	
PIANO V Asse_BP_rettilinee.9g	
Alfa	15.403672g
R(m)	1320.000
Tarco(m)	41.196
Sv(m)	82.365
V(km/h)	160
CL1(m)	150.000
m1(m)	0.710
D(mm)	150
I(mm)	78.848
E(mm)	92.788
dD/dt	44.444
dD/dL	1.000
di/dt	23.362

FERROVIA Asse_BP_rettilinee	
PIANO V Asse_BP_rettilinee.9b	
Alfa	1.463588g
R(m)	1265.800
Tarco(m)	35.894
Sv(m)	71.769
V(km/h)	160
CL(m)	20.000
m(m)	0.001
D(mm)	150
I(mm)	88.647
E(mm)	90.338
dD/dt	0.000
dD/dL	0.000
di/dt	21.776

FERROVIA Asse_BP_rettilinee	
PIANO V Asse_BP_rettilinee.10	
X	6554.272
Y	155640.813
Azfin	316.189222g

DATI DEVIATOI

N°Dev.	Tipologia Deviatoio	Coordinate C.G.			Coordinate P.S.		
D.11	S 60U-400-0.074 DX	X	20937.985	Y	149115.846	X	20923.008	Y	149115.438
D.12	S 60U-400-0.074 SX	X	20877.928	Y	149118.210	X	20892.904	Y	149118.618
D.13	S 60U-400-0.074 SX	X	20823.969	Y	149112.737	X	20808.993	Y	149112.328
D.14	S 60U-400-0.074 DX	X	20758.030	Y	149110.938	X	20773.006	Y	149111.347
D.15	S 60U-400-0.074 DX	X	20703.853	Y	149113.462	X	20688.877	Y	149113.054

DATI DEVIATOI

N°Dev.	Tipologia Deviatoio	Coordinate C.G.			Coordinate P.S.		
D.18	S 60U-400-0.074 DX	X	7076.002	Y	155418.440	X	7089.521	Y	155411.982
D.19	S 60U-400-0.074 DX	X	7028.922	Y	155445.366	X	7015.404	Y	155451.824
D.20	S 60U-1200-0.040 SX	X	6984.424	Y	155466.625	X	7006.381	Y	155456.135
D.21	S 60U-1200-0.040 SX	X	6893.744	Y	155505.514	X	6871.787	Y	155516.004

VERTICI ALTIMETRICI ASSE BINARIO PARI

V ALT Asse_BP_rettilinee.1	
PR	0.000
QV	342.740

V ALT Asse_BP_rettilinee.2			
PR	514.633		
QV	336.566		
Pc	−0.011997		
Pu	−0.001198		
DP	0.010799		
R	−14000.000		
T	75.584		
F	0.204		
Pr_i	439.055	Pr_f	590.216

V ALT Asse_BP_rettilinee.3			
PR	1346.283		
QV	335.570		
Pc	−0.001198		
Pu	−0.011449		
DP	−0.010251		
R	14000.000		
T	71.748		
F	−0.184		
Pr_i	1274.535	Pr_f	1418.027

V ALT Asse_BP_rettilinee.4			
PR	1781.254		
QV	330.590		
Pc	−0.011449		
Pu	−0.003431		
DP	0.008018		
R	−14000.000		
T	56.118		
F	0.112		
Pr_i	1725.140	Pr_f	1837.372

V ALT Asse_BP_rettilinee.5			
PR	2172.389		
QV	329.248		
Pc	−0.003431		
Pu	−0.009925		
DP	−0.006494		
R	14000.000		
T	45.450		
F	−0.074		
Pr_i	2126.939	Pr_f	2217.838

V ALT Asse_BP_rettilinee.6			
PR	2766.515		
QV	323.351		
Pc	−0.009925		
Pu	−0.011880		
DP	−0.001955		
R	20000.000		
T	19.549		
F	−0.010		
Pr_i	2746.968	Pr_f	2786.063

V ALT Asse_BP_rettilinee.7			
PR	9285.343		
QV	245.909		
Pc	−0.011880		
Pu	−0.009837		
DP	0.002043		
R	−20000.000		
T	20.422		
F	−0.010		
Pr_i	9264.923	Pr_f	9305.764

V ALT Asse_BP_rettilinee.8			
PR	15016.930		
QV	189.526		
Pc	−0.009837		
Pu	−0.010871		
DP	−0.001034		
R	20000.000		
T	10.332		
F	−0.003		
Pr_i	15006.599	Pr_f	15027.262

V ALT Asse_BP_rettilinee.9			
PR	16418.026		
QV	174.296		
Pc	−0.010871		
Pu	−0.009989		
DP	0.000882		
R	−25000.000		
T	11.024		
F	0.002		
Pr_i	16407.002	Pr_f	16429.049

V ALT Asse_BP_rettilinee.10			
PR	17068.033		
QV	167.803		
Pc	−0.009989		
Pu	−0.012036		
DP	−0.002047		
R	20000.000		
T	20.472		
F	−0.010		
Pr_i	17047.562	Pr_f	17088.504

V ALT Asse_BP_rettilinee.11			
PR	17570.662		
QV	161.753		
Pc	−0.012036		
Pu	−0.009447		
DP	0.002589		
R	−14000.000		
T	18.122		
F	0.012		
Pr_i	17552.541	Pr_f	17588.784

V ALT Asse_BP_rettilinee.12			
PR	17975.000		
QV	157.934		
Pc	−0.009447		
Pu	0.000514		
DP	0.009961		
R	−14000.000		
T	69.722		
F	0.174		
Pr_i	17905.281	Pr_f	18044.722

V ALT Asse_BP_rettilinee.13			
PR	18390.000		
QV	158.147		
Pc	0.000514		
Pu	0.000242		
DP	−0.000272		
R	50000.000		
T	6.787		
F	0.000		
Pr_i	18383.213	Pr_f	18396.787

V ALT Asse_BP_rettilinee.14			
PR	18563.000		
QV	158.189		
Pc	0.000242		
Pu	−0.001148		
DP	−0.001390		
R	20000.000		
T	13.898		
F	−0.005		
Pr_i	18549.102	Pr_f	18576.898

V ALT Asse_BP_rettilinee.15	
PR	18722.229
QV	158.006

COMMITTENTE:

RFI RETE FERROVIARIA ITALIANA
GRUPPO FERROVIE DELLO STATO ITALIANE

DIREZIONE LAVORI:

ITALFERR
GRUPPO FERROVIE DELLO STATO ITALIANE

APPALTATORE:
CONSORZIO: Hirpinia AV

SOCI: salini impregilo, ASTALDI

PROGETTAZIONE:
MANDATARIA: ROCKSOIL S.p.A.

MANDANTI: NET ENGINEERING, Alpina S.p.A.

PROGETTO ESECUTIVO

ITINERARIO NAPOLI - BARI
RADDOPPIO TRATTA APICE - ORSARA
I LOTTO FUNZIONALE APICE - HIRPINIA

TRACCIATO FERROVIARIO

LINEA

Planimetria di tracciamento binario pari - Tav. 5 di 5

APPALTATORE	DIRETTORE DELLA PROGETTAZIONE	PROGETTISTA
Consorzio HIRPINIA AV Il Direttore Tecnico Ing. Vincenzo Morivello 21/02/2020	Il Responsabile integrazione fra le varie prestazioni specialistiche Ing. G. Cassani	NET ENGINEERING Ing. S. Eandi

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.	SCALA:
I F 2 8	0 1	E	Z Z	P 5	I F 0 1 0 8	0 0 5	B	1:5.000

Rev.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	Autorizzato Data
A	Emissione per consegna	S. Franchini	19/11/2019	N. Zanta	19/11/2019	T. Finocchietti	19/11/2019	Ing. S. Eandi 21/02/2020
B	Emissione per consegna	S. Franchini	21/02/2020	N. Zanta	21/02/2020	T. Finocchietti	21/02/2020	

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