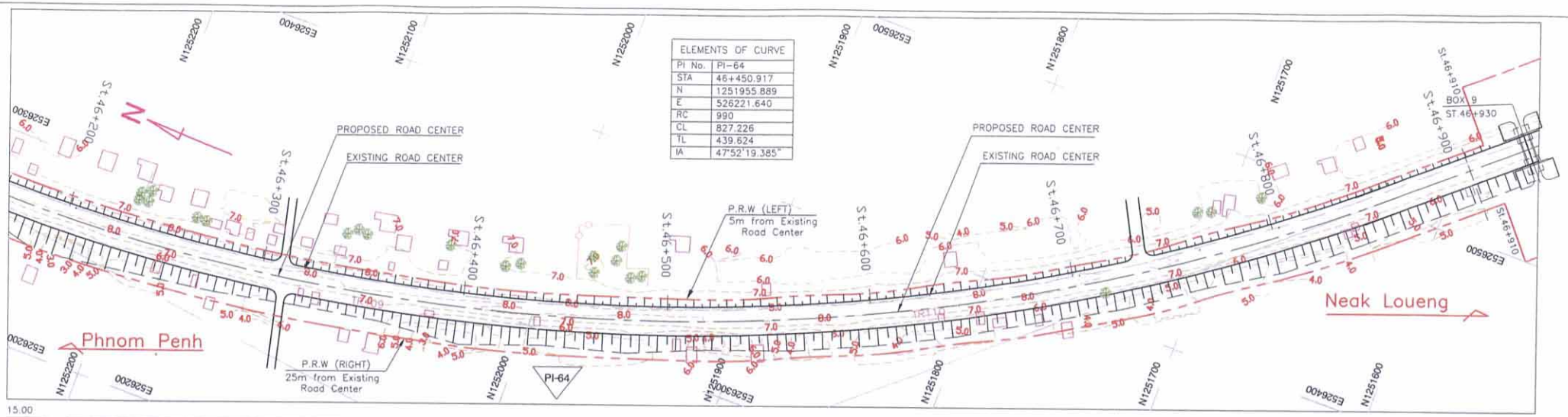
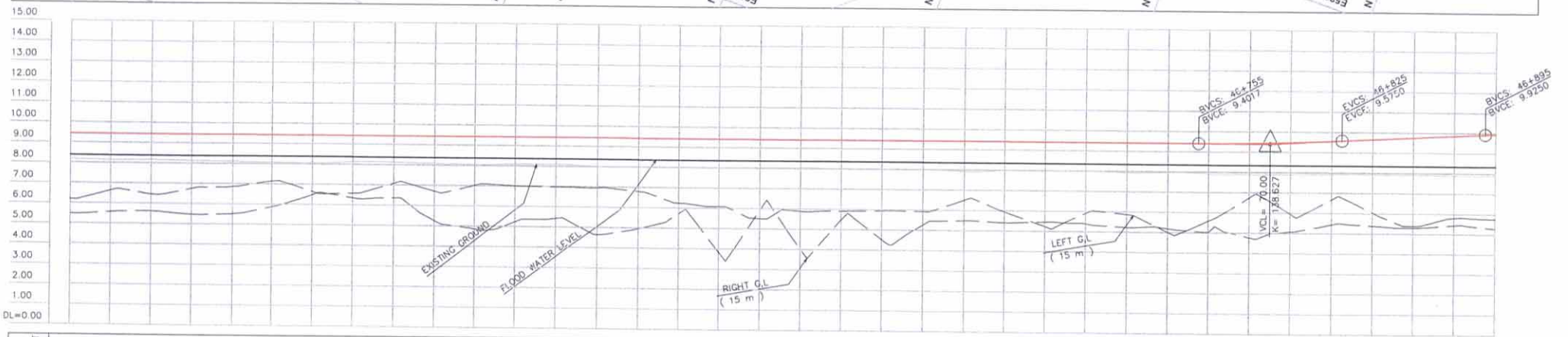




VERTICAL ALIGNMENT: i=-0.005% L=1010.00 | 9.400 | i=0.5% L=140.00

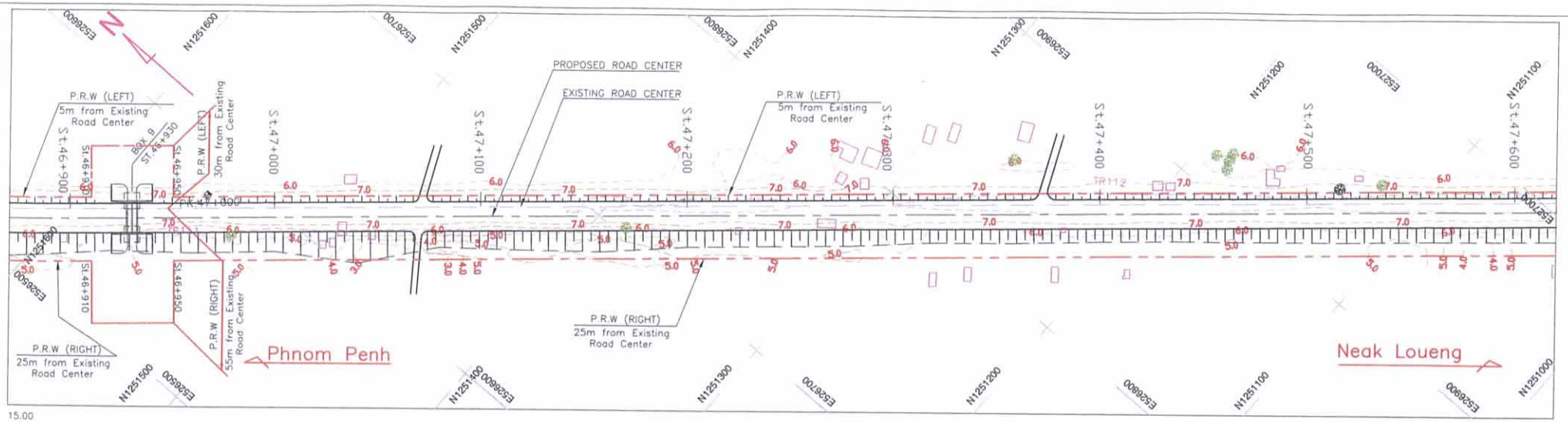
STATION	PAVEMENT HEIGHT	GROUND HEIGHT
46+200	9.429	8.19
46+220	9.428	8.13
46+240	9.427	8.15
46+260	9.426	8.13
46+280	9.425	8.10
46+300	9.424	8.07
46+320	9.423	8.05
46+340	9.422	8.13
46+360	9.421	8.12
46+380	9.420	8.08
46+400	9.419	8.04
46+420	9.418	8.07
46+440	9.417	8.09
46+460	9.416	8.00
46+480	9.415	7.99
46+500	9.414	7.99
46+520	9.413	8.00
46+540	9.412	8.02
46+560	9.411	8.03
46+580	9.410	8.01
46+600	9.409	8.02
46+620	9.408	8.01
46+640	9.407	7.91
46+660	9.406	7.97
46+680	9.405	7.99
46+700	9.404	8.01
46+720	9.403	7.93
46+740	9.402	7.97
46+760	9.402	7.90
46+780	9.423	7.88
46+800	9.473	7.88
46+820	9.551	7.90
46+840	9.650	7.91
46+860	9.750	7.91
46+880	9.850	7.88
46+900	9.948	7.89

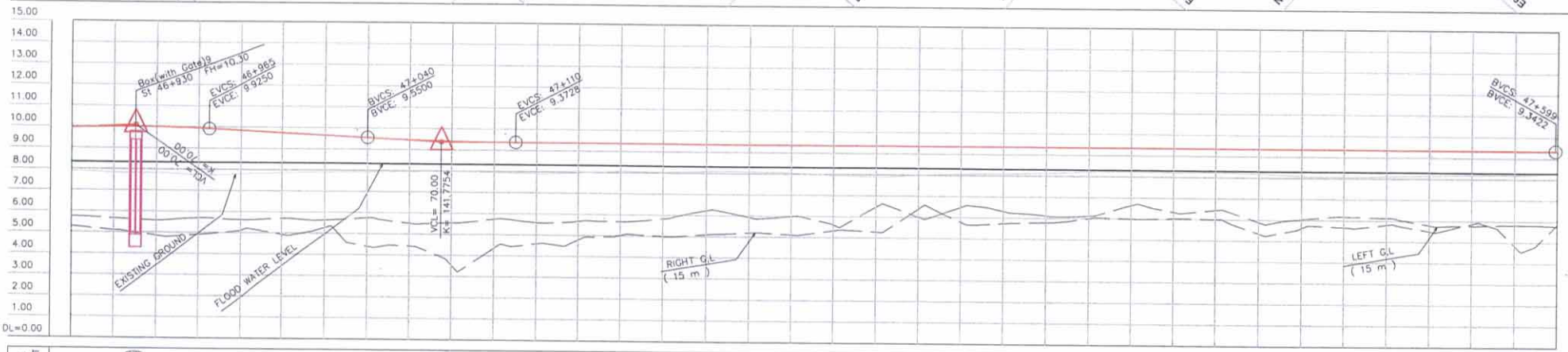
HORIZONTAL CURVATURE: Rc=990, Lc=827.395 | EC

SUPER-ELEVATION: e=3% | 3.00 | -3.00 | 46+843 | 46+893 | 3.00 | -3.00

CROSS SECTION TYPE: TYPE 6 | TYPE 6

MINISTRY OF PUBLIC WORKS AND TRANSPORT (MPWT)	THE PROJECT FOR THE IMPROVEMENT OF NATIONAL ROAD NO.1 (PHNOM PENH-NEAK LOUENG SECTION) IN THE KINGDOM OF CAMBODIA	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO.,LTD	TITLE : PLAN AND PROFILE (STA.46+200-STA.46+900)	SCALE H=1/2000 V=1/200	Drawing No. / Sheet No. PL-67





VERTICAL ALIGNMENT: (10.100) i=-0.5% L=145.00 (9.375) i=-0.006% L=559.00

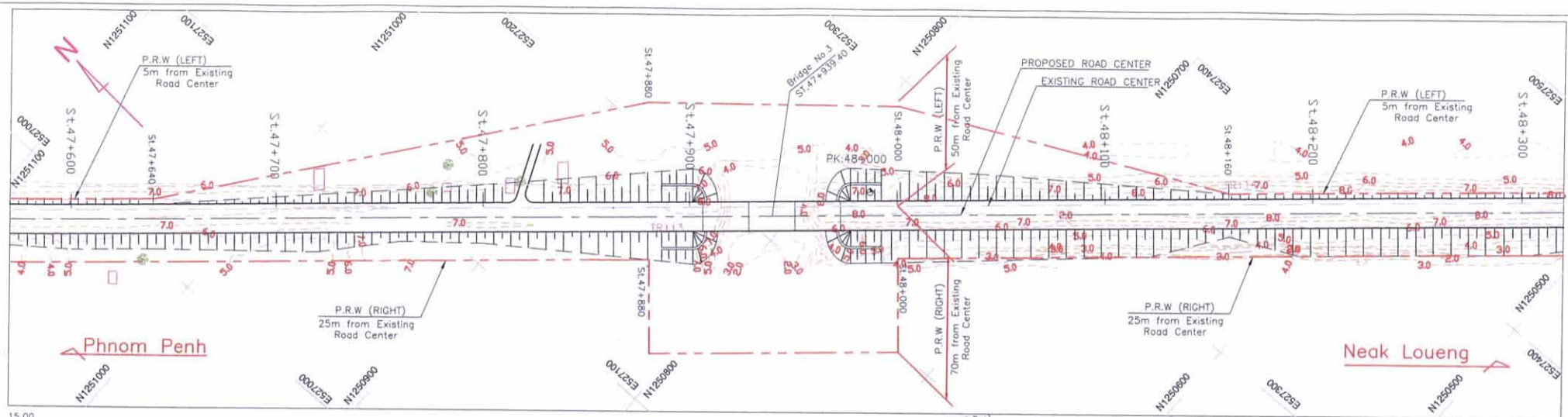
STATION	GROUND HEIGHT	PAVEMENT HEIGHT
46+900	7.89	9.948
46+920	7.83	10.005
46+940	7.82	10.005
46+960	7.73	9.948
46+980	7.78	9.850
47+000	7.86	9.750
47+020	7.89	9.650
47+040	7.92	9.550
47+060	7.95	9.464
47+080	7.98	9.406
47+100	7.94	9.377
47+120	7.89	9.372
47+140	7.96	9.371
47+160	8.05	9.370
47+180	8.04	9.368
47+200	8.08	9.367
47+220	8.08	9.366
47+240	8.05	9.365
47+260	7.94	9.363
47+280	7.88	9.362
47+300	8.00	9.361
47+320	8.06	9.360
47+340	8.08	9.358
47+360	8.13	9.357
47+380	8.21	9.356
47+400	8.23	9.355
47+420	8.20	9.353
47+440	8.22	9.352
47+460	8.17	9.351
47+480	8.09	9.350
47+500	8.07	9.348
47+520	8.10	9.347
47+540	8.14	9.346
47+560	8.19	9.345
47+580	8.20	9.343
47+600	8.26	9.342

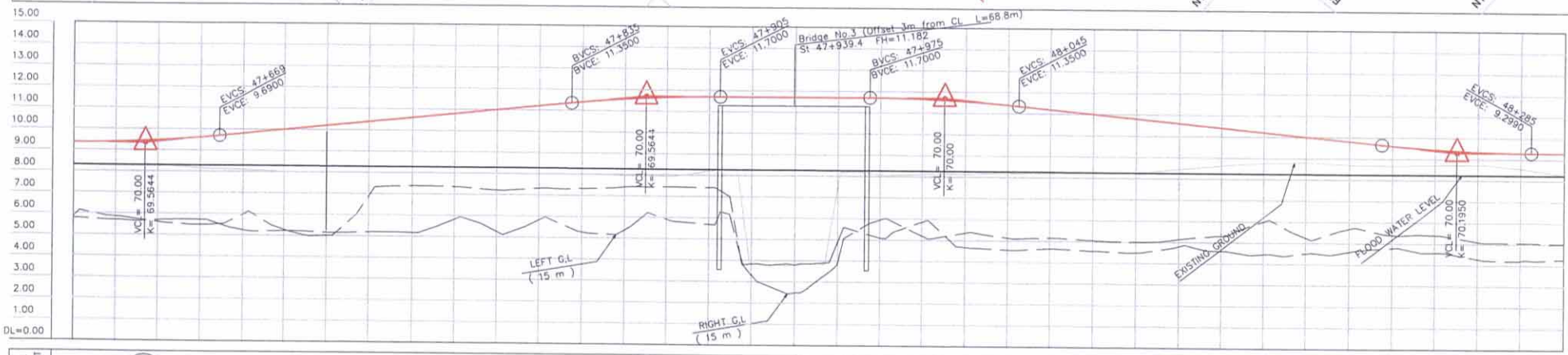
HORIZONTAL CURVATURE: Rc=∞ L=1999.713

SUPER-ELEVATION: NC

CROSS SECTION TYPE: TYPE 6 ... TYPE 6

MINISTRY OF PUBLIC WORKS AND TRANSPORT (MPWT)	THE PROJECT FOR THE IMPROVEMENT OF NATIONAL ROAD NO.1 (PHNOM PENH-NEAK LOUENG SECTION) IN THE KINGDOM OF CAMBODIA	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO.,LTD	TITLE : PLAN AND PROFILE (STA.46+900–STA.47+600)	SCALE H=1/2000 V=1/200	Drawing No. / Sheet No. PL-68





VERTICAL ALIGNMENT: (9.340) i=1.000% L=236 (11.700) i=0.000% L=140 (11.700) i=-1.000% L=240.00 (9.300)

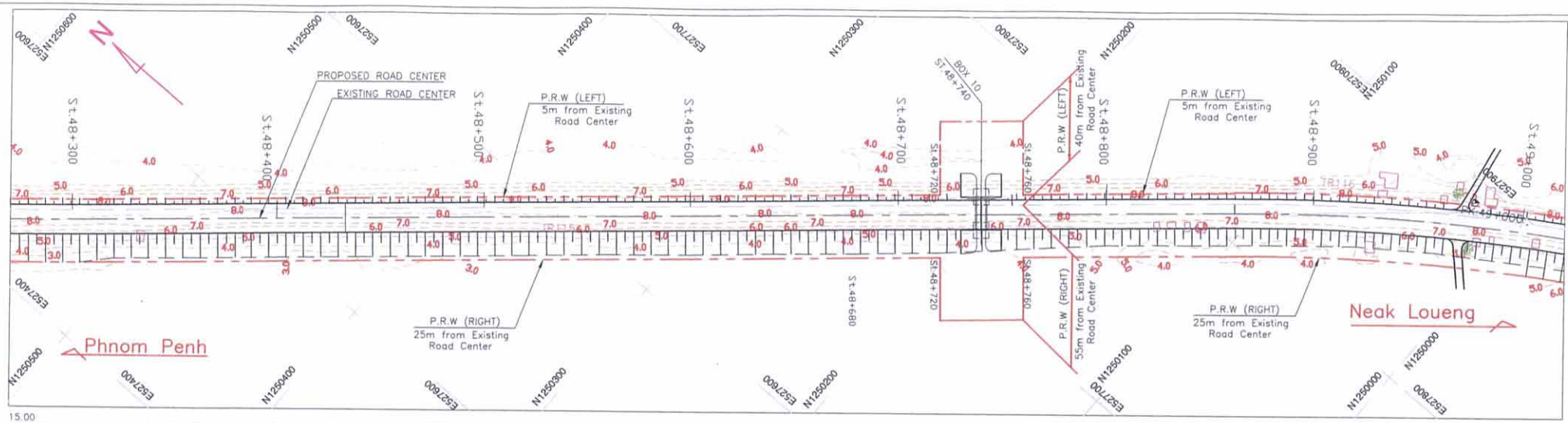
STATION	GROUND HEIGHT	PAVEMENT HEIGHT
47+600	8.26	9.342
47+620	8.23	9.373
47+640	8.24	9.460
47+660	8.15	9.606
47+680	8.09	9.800
47+700	8.02	10.000
47+720	8.00	10.200
47+740	8.01	10.400
47+760	7.98	10.600
47+780	7.98	10.800
47+800	7.98	11.000
47+820	7.97	11.200
47+840	7.98	11.398
47+860	7.95	11.555
47+880	7.93	11.655
47+900	8.19	11.698
47+920	3.83	11.700
47+940	3.83	11.700
47+960	7.51	11.700
47+980	8.08	11.698
48+000	8.11	11.655
48+020	8.14	11.555
48+040	8.17	11.398
48+060	8.19	11.200
48+080	8.20	11.000
48+100	8.27	10.800
48+120	8.44	10.600
48+140	8.63	10.400
48+160	8.75	10.200
48+180	8.79	10.000
48+200	8.70	9.800
48+220	8.67	9.602
48+240	8.71	9.445
48+260	8.73	9.344
48+280	8.56	9.301
48+300	8.27	9.299

HORIZONTAL CURVATURE: Rc=∞ L=1999.713

SUPER-ELEVATION: NC

CROSS SECTION TYPE: TYPE 6 — TYPE 6

MINISTRY OF PUBLIC WORKS AND TRANSPORT (MPWT)	THE PROJECT FOR THE IMPROVEMENT OF NATIONAL ROAD NO.1 (PHNOM PENH-NEAK LOUENG SECTION) IN THE KINGDOM OF CAMBODIA	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO.,LTD	TITLE : PLAN AND PROFILE (STA.47+600–STA.48+300)	SCALE H=1/2000 V=1/200	Drawing No. / Sheet No. PL-69



VERTICAL ALIGNMENT: i=-0.033% L=380.00 | 9.290 | i=0.500% L=140.00 | 9.990 | i=-0.500% L=145.00 | 9.265 | i=-0.008% L=940.00

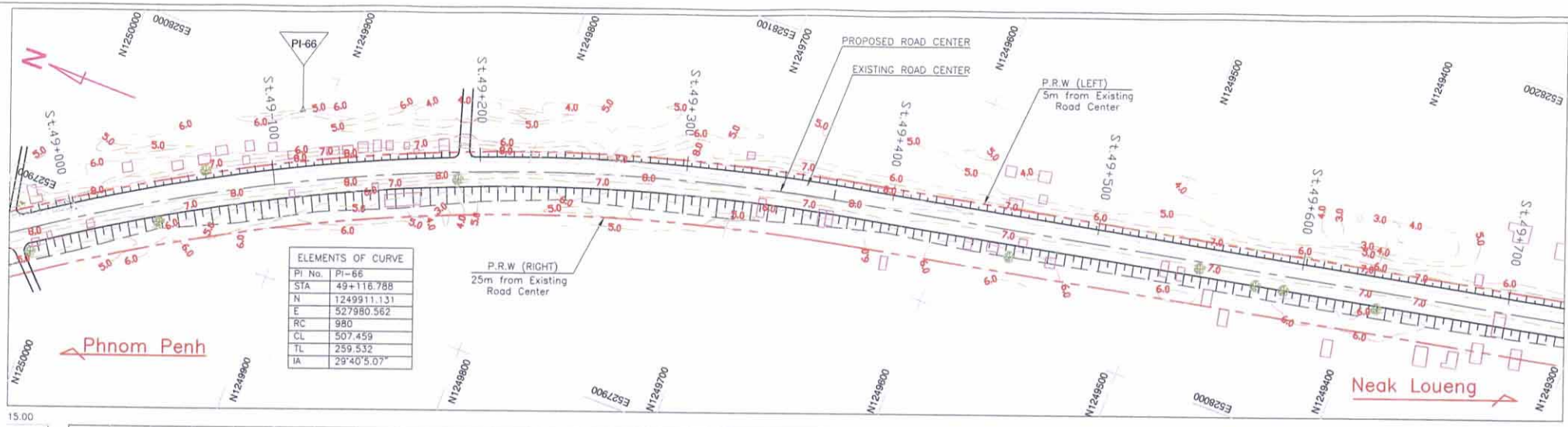
STATION	PAVEMENT HEIGHT	GROUND HEIGHT
48+300	9.299	8.27
48+320	9.298	8.14
48+340	9.298	8.11
48+360	9.297	8.10
48+380	9.296	8.03
48+400	9.296	8.07
48+420	9.295	8.08
48+440	9.295	8.09
48+460	9.294	8.11
48+480	9.294	8.13
48+500	9.293	8.12
48+520	9.292	8.17
48+540	9.292	8.16
48+560	9.291	8.19
48+580	9.292	8.18
48+600	9.313	8.17
48+620	9.362	8.14
48+640	9.441	8.16
48+660	9.540	8.18
48+680	9.640	8.16
48+700	9.740	8.11
48+720	9.838	8.11
48+740	9.895	8.19
48+760	9.895	8.27
48+780	9.838	8.30
48+800	9.740	8.31
48+820	9.640	8.31
48+840	9.540	8.33
48+860	9.440	8.36
48+880	9.354	8.37
48+900	9.296	8.34
48+920	9.266	8.31
48+940	9.261	8.29
48+960	9.260	8.32
48+980	9.258	8.40
49+000	9.257	8.48

HORIZONTAL CURVATURE: Rc=∞ L=1999.713 | BC | Rc=980 Lc=506.894

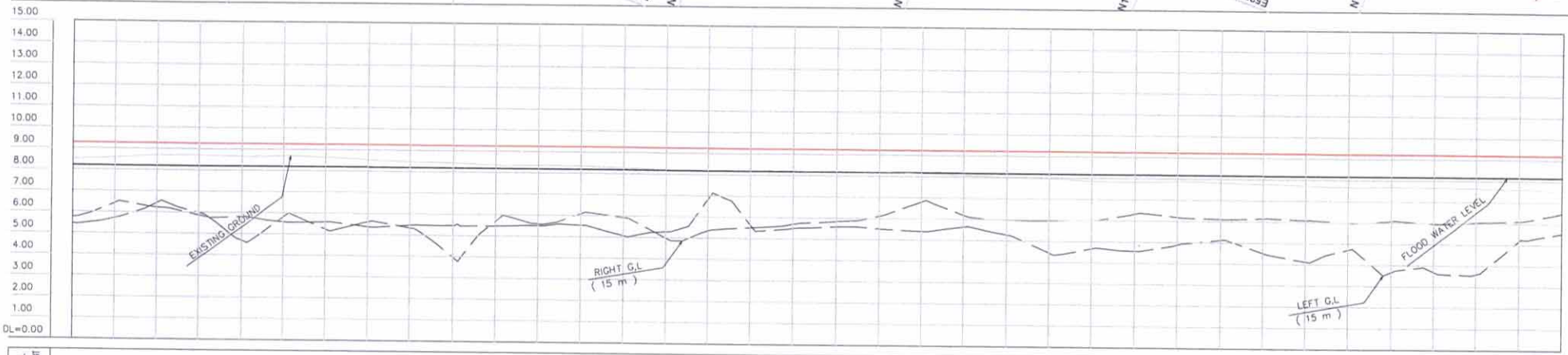
SUPER-ELEVATION: NC | 3.00 | 48+838 | 3.00 | 48+888 | 3.00 | e=3%

CROSS SECTION TYPE: TYPE 6 | TYPE 6

MINISTRY OF PUBLIC WORKS AND TRANSPORT (MPWT)	THE PROJECT FOR THE IMPROVEMENT OF NATIONAL ROAD NO.1 (PHNOM PENH-NEAK LOUENG SECTION) IN THE KINGDOM OF CAMBODIA	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO.,LTD	TITLE : PLAN AND PROFILE (STA.48+300–STA.49+000)	SCALE H=1/2000 V=1/200	Drawing No. Sheet No. PL-70



ELEMENTS OF CURVE	
PI No.	PI-66
STA	49+116.788
N	1249911.131
E	527980.562
RC	980
CL	507.459
TL	259.532
IA	29°40'5.07"



VERTICAL ALIGNMENT: i=-0.008% (L=840.00)

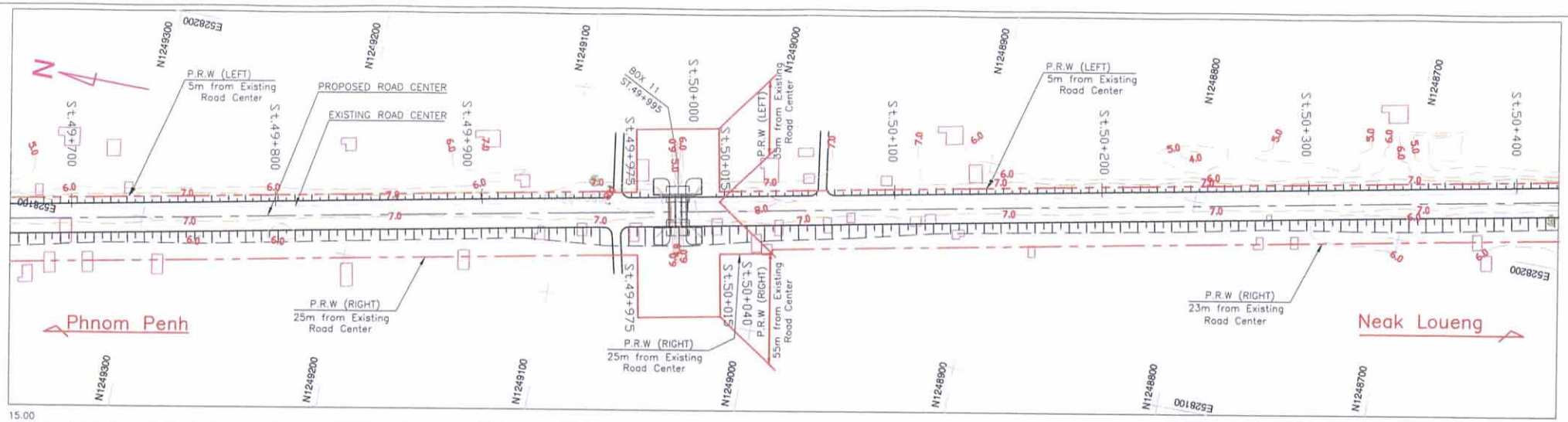
STATION	GROUND HEIGHT	PAVEMENT HEIGHT
49+000	8.48	9.257
49+020	8.57	9.255
49+040	8.68	9.253
49+060	8.69	9.252
49+080	8.64	9.250
49+100	8.68	9.248
49+120	8.64	9.247
49+140	8.53	9.245
49+160	8.46	9.244
49+180	8.42	9.242
49+200	8.32	9.240
49+220	8.34	9.239
49+240	8.33	9.237
49+260	8.26	9.235
49+280	8.23	9.234
49+300	8.21	9.232
49+320	8.23	9.231
49+340	8.21	9.229
49+360	8.21	9.227
49+380	8.19	9.226
49+400	8.13	9.224
49+420	8.07	9.223
49+440	8.00	9.221
49+460	7.94	9.219
49+480	7.85	9.218
49+500	7.81	9.216
49+520	7.87	9.214
49+540	7.82	9.213
49+560	7.77	9.211
49+580	7.71	9.210
49+600	7.65	9.208
49+620	7.67	9.206
49+640	7.67	9.205
49+660	7.64	9.203
49+680	7.61	9.202
49+700	7.51	9.200

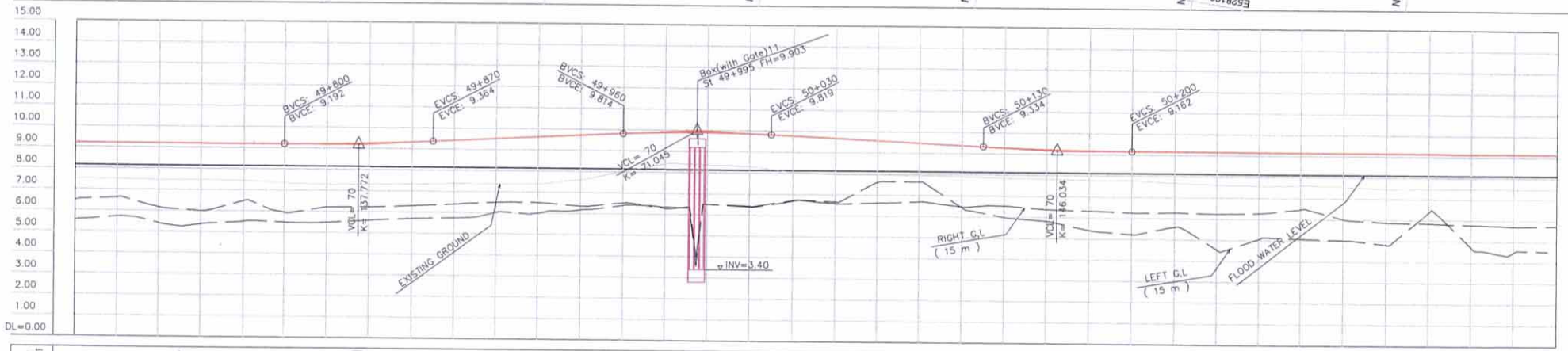
HORIZONTAL CURVATURE: Rc=980, Lc=504.567 | EC | Rc=∞, L=1987.000

SUPER-ELEVATION: e=3% (-3.00 / 3.00) | 49+345 | 49+395 | NC (-3.00 / -3.00)

CROSS SECTION TYPE: TYPE-6 | TYPE-6

MINISTRY OF PUBLIC WORKS AND TRANSPORT (MPWT)	THE PROJECT FOR THE IMPROVEMENT OF NATIONAL ROAD NO.1 (PHNOM PENH-NEAK LOUENG SECTION) IN THE KINGDOM OF CAMBODIA	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO.,LTD	TITLE : PLAN AND PROFILE (STA.49+000-STA.49+700)	SCALE H=1/2000 V=1/200	Drawing No. Sheet No. PL-71





STATION	GROUND HEIGHT	PAVEMENT HEIGHT
49+700	7.51	9.200
49+720	7.48	9.198
49+740	7.45	9.197
49+760	7.47	9.195
49+780	7.43	9.193
49+800	7.33	9.192
49+820	7.28	9.205
49+840	7.30	9.247
49+860	7.32	9.318
49+880	7.37	9.414
49+900	7.36	9.514
49+920	7.39	9.614
49+940	7.60	9.714
49+960	8.01	9.814
49+980	8.40	9.886
50+000	8.37	9.901
50+020	8.31	9.861
50+040	8.04	9.771
50+060	7.96	9.674
50+080	7.95	9.576
50+100	7.92	9.479
50+120	7.90	9.382
50+140	7.84	9.289
50+160	7.81	9.219
50+180	7.79	9.177
50+200	7.78	9.162
50+220	7.68	9.161
50+240	7.61	9.160
50+260	7.57	9.158
50+280	7.60	9.157
50+300	7.55	9.156
50+320	7.47	9.155
50+340	7.48	9.154
50+360	7.49	9.152
50+380	7.48	9.151
50+400	7.48	9.150

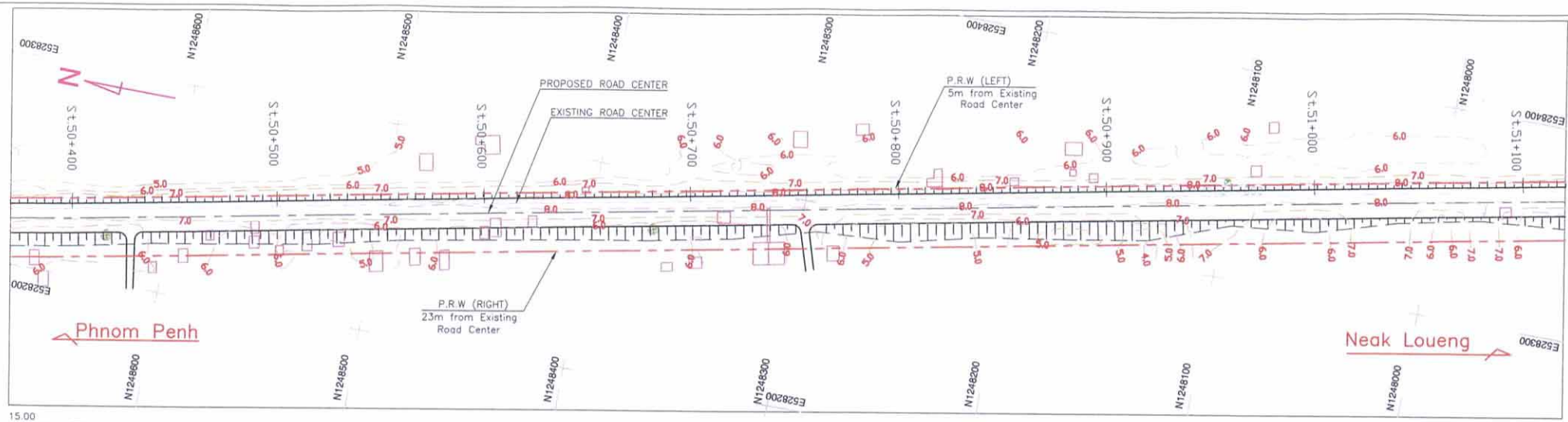
VERTICAL ALIGNMENT: i=-0.008% (L=940.00) — 9.189 — i=0.500% (L=160.00) — 9.989 — i=-0.485% (L=170.00) — 9.164 — i=-0.065% (L=435.00)

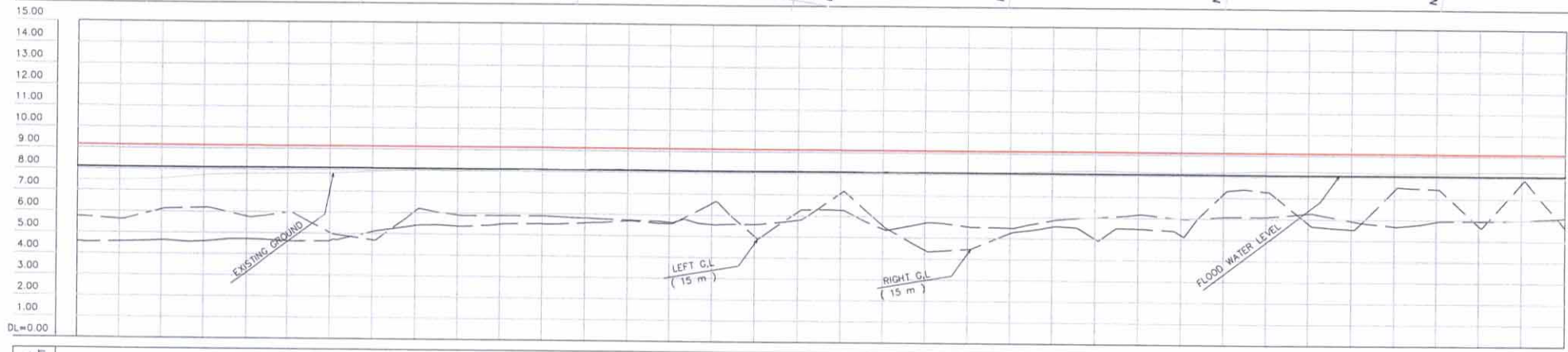
HORIZONTAL CURVATURE: Rc=∞ L=1987.000

SUPER-ELEVATION: NC

CROSS SECTION TYPE: TYPE-6 ... TYPE-6

MINISTRY OF PUBLIC WORKS AND TRANSPORT (MPWT)	THE PROJECT FOR THE IMPROVEMENT OF NATIONAL ROAD NO.1 (PHNOM PENH-NEAK LOUENG SECTION) IN THE KINGDOM OF CAMBODIA	**JAPAN INTERNATIONAL COOPERATION AGENCY** KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO.,LTD	TITLE : PLAN AND PROFILE (STA.49+700-STA.50+400)	SCALE H=1/2000 V=1/200	Drawing No. / Sheet No. PL-72





VERTICAL ALIGNMENT: i=-0.006% r=4435.00

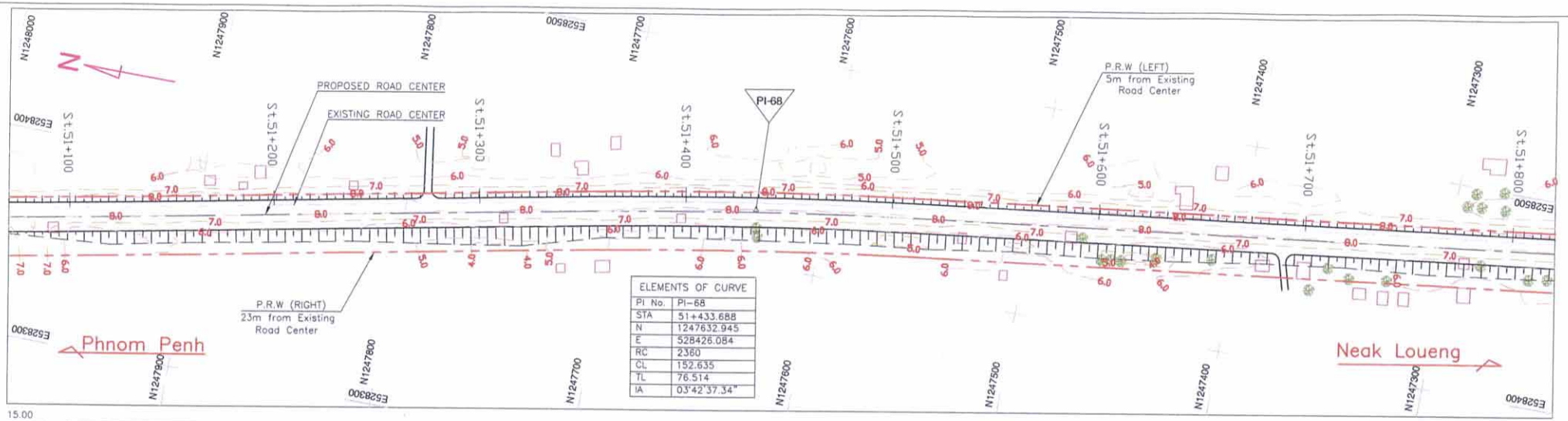
STATION	GROUND HEIGHT	PAVEMENT HEIGHT
50+400	7.48	9.150
50+420	7.48	9.149
50+440	7.55	9.148
50+460	7.74	9.146
50+480	7.79	9.145
50+500	7.83	9.144
50+520	7.84	9.143
50+540	7.93	9.142
50+560	8.03	9.140
50+580	8.01	9.139
50+600	8.04	9.138
50+620	8.09	9.137
50+640	8.12	9.136
50+660	8.15	9.135
50+680	8.14	9.133
50+700	8.13	9.132
50+720	8.13	9.131
50+740	8.14	9.130
50+760	8.14	9.129
50+780	8.09	9.127
50+800	8.12	9.126
50+820	8.12	9.125
50+840	8.13	9.124
50+860	8.18	9.123
50+880	8.22	9.121
50+900	8.18	9.120
50+920	8.16	9.119
50+940	8.19	9.118
50+960	8.24	9.117
50+980	8.25	9.115
51+000	8.22	9.114
51+020	8.19	9.113
51+040	8.21	9.112
51+060	8.25	9.111
51+080	8.27	9.110
51+100	8.26	9.108

HORIZONTAL CURVATURE: Rc=∞ L=1987.000

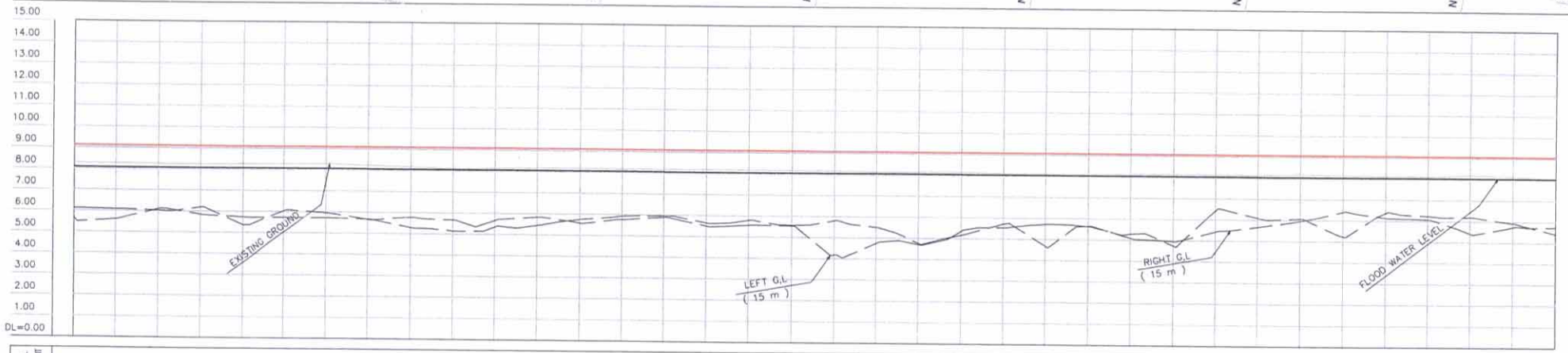
SUPER-ELEVATION: NC

CROSS SECTION TYPE: TYPE-6 ... TYPE-6

MINISTRY OF PUBLIC WORKS AND TRANSPORT (MPWT)	THE PROJECT FOR THE IMPROVEMENT OF NATIONAL ROAD NO.1 (PHNOM PENH-NEAK LOUENG SECTION) IN THE KINGDOM OF CAMBODIA	**JAPAN INTERNATIONAL COOPERATION AGENCY** KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO.,LTD	TITLE : PLAN AND PROFILE (STA.50+400-STA.51+100)	SCALE H=1/2000 V=1/200	Drawing No.	
					Sheet No. PL-73	



ELEMENTS OF CURVE	
PI No.	PI-68
STA	51+433.688
N	1247632.945
E	528426.084
RC	2360
CL	152.635
TL	76.514
IA	03°42'37.34"



VERTICAL ALIGNMENT: i=-0.067% (L=4435.00)

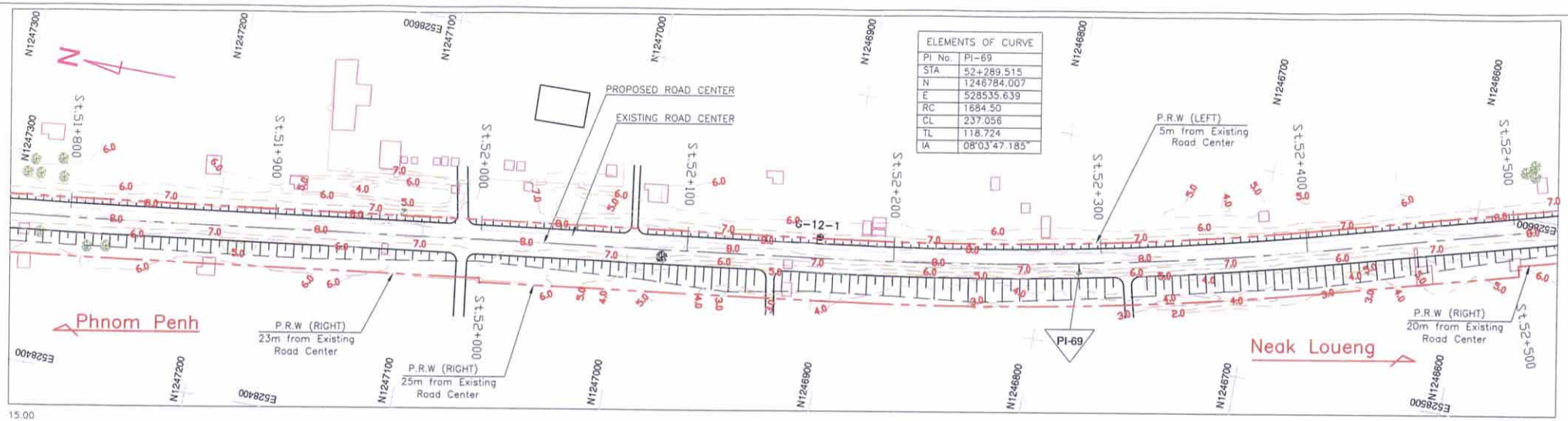
STATION	GROUND HEIGHT	PAVEMENT HEIGHT
51+100	8.26	9.108
51+120	8.26	9.107
51+140	8.23	9.106
51+160	8.23	9.105
51+180	8.26	9.104
51+200	8.26	9.102
51+220	8.29	9.101
51+240	8.23	9.100
51+260	8.17	9.099
51+280	8.12	9.098
51+300	8.15	9.096
51+320	8.16	9.095
51+340	8.18	9.094
51+360	8.16	9.093
51+380	8.18	9.092
51+400	8.17	9.090
51+420	8.18	9.089
51+440	8.17	9.088
51+460	8.17	9.087
51+480	8.14	9.086
51+500	8.15	9.085
51+520	8.16	9.083
51+540	8.11	9.082
51+560	8.10	9.081
51+580	8.10	9.080
51+600	8.12	9.079
51+620	8.14	9.077
51+640	8.13	9.076
51+660	8.13	9.075
51+680	8.17	9.074
51+700	8.15	9.073
51+720	8.14	9.071
51+740	8.12	9.070
51+760	8.19	9.069
51+780	8.13	9.068
51+800	8.06	9.067

HORIZONTAL CURVATURE: Rc=∞, L=1987.000 | BC | Rc=2360, Lc=152.927 | EC | Rc=∞, L=660.911

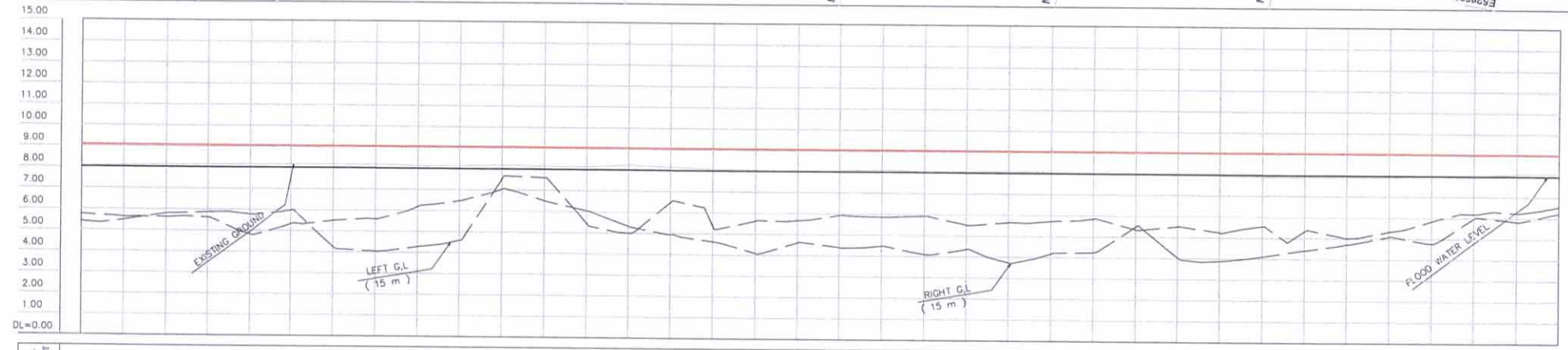
SUPER-ELEVATION: NC (-3.00) | 51+337 | 51+377 | RC (3.00) | 51+490 | 51+530 | NC (-3.00)

CROSS SECTION TYPE: TYPE-6 ... TYPE-6

MINISTRY OF PUBLIC WORKS AND TRANSPORT (MPWT)	THE PROJECT FOR THE IMPROVEMENT OF NATIONAL ROAD NO.1 (PHNOM PENH-NEAK LOUENG SECTION) IN THE KINGDOM OF CAMBODIA	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO.,LTD	TITLE : PLAN AND PROFILE (STA.51+100-STA.51+800)	SCALE H=1/2000 V=1/200	Drawing No.	Sheet No. PL-74



ELEMENTS OF CURVE	
PI No.	PI-69
STA	52+289.515
N	1246784.007
E	528535.639
RC	1684.50
CL	237.056
TL	118.724
IA	08°03'47.185"



VERTICAL ALIGNMENT: i=-0.006% R=4435.00

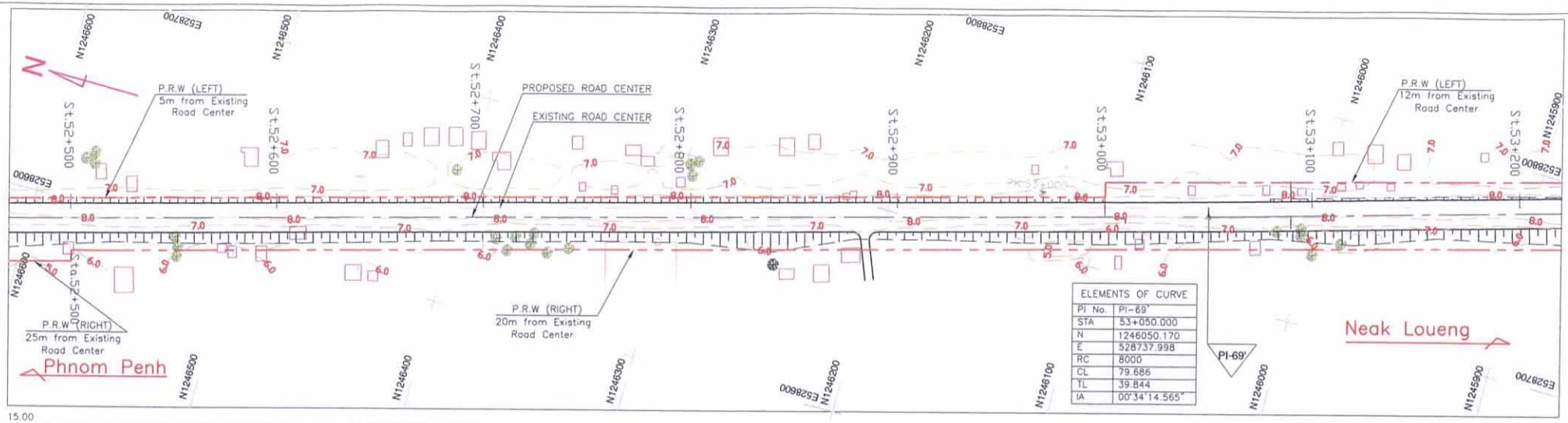
STATION	PAVEMENT HEIGHT	GROUND HEIGHT
51+800	9.067	8.06
51+820	9.065	8.10
51+840	9.064	8.14
51+860	9.063	8.14
51+880	9.062	8.17
51+900	9.061	8.17
51+920	9.060	8.16
51+940	9.058	8.18
51+960	9.057	8.13
51+980	9.056	8.14
52+000	9.055	8.19
52+020	9.054	8.14
52+040	9.052	8.15
52+060	9.051	8.23
52+080	9.050	8.15
52+100	9.049	8.08
52+120	9.048	8.06
52+140	9.046	8.02
52+160	9.045	8.06
52+180	9.044	8.10
52+200	9.043	8.05
52+220	9.042	8.05
52+240	9.040	8.08
52+260	9.039	8.07
52+280	9.038	8.03
52+300	9.037	8.03
52+320	9.036	7.95
52+340	9.035	7.92
52+360	9.033	7.89
52+380	9.032	7.88
52+400	9.031	7.90
52+420	9.030	7.90
52+440	9.029	7.98
52+460	9.027	8.02
52+480	9.026	8.10
52+500	9.025	8.13

HORIZONTAL CURVATURE: Rc=∞, L=660.911 | BC | Rc=1680, Lc=236.422 | EC | Rc=∞, L=1078.302

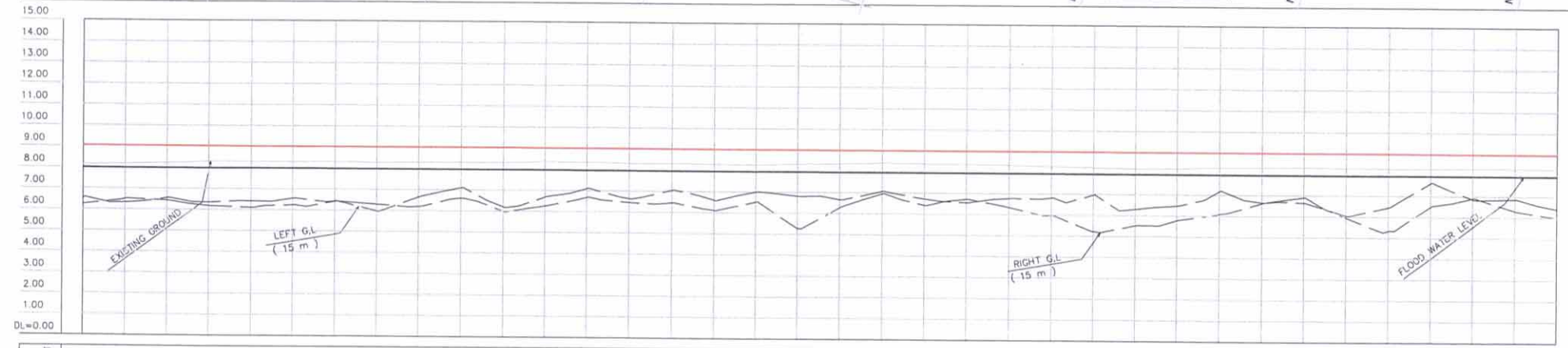
SUPER-ELEVATION: NC (-3.00) | 52+151 | 52+191 | RC (3.00) | 52+387 | 52+427 | NC (-3.00)

CROSS SECTION TYPE: TYPE-6 ... TYPE-6

MINISTRY OF PUBLIC WORKS AND TRANSPORT (MPWT)	THE PROJECT FOR THE IMPROVEMENT OF NATIONAL ROAD NO.1 (PHNOM PENH-NEAK LOUENG SECTION) IN THE KINGDOM OF CAMBODIA	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO.,LTD	TITLE : PLAN AND PROFILE (STA.51+800-STA.52+500)	SCALE H=1/2000 V=1/200	Drawing No. / Sheet No. PL-75



ELEMENTS OF CURVE	
PI No.	PI-69'
STA	53+050.000
N	1246050.170
E	528737.998
RC	8000
CL	79.686
TL	39.844
IA	00°34'14.565"



VERTICAL ALIGNMENT: i=-0.006% (R=4435.00)

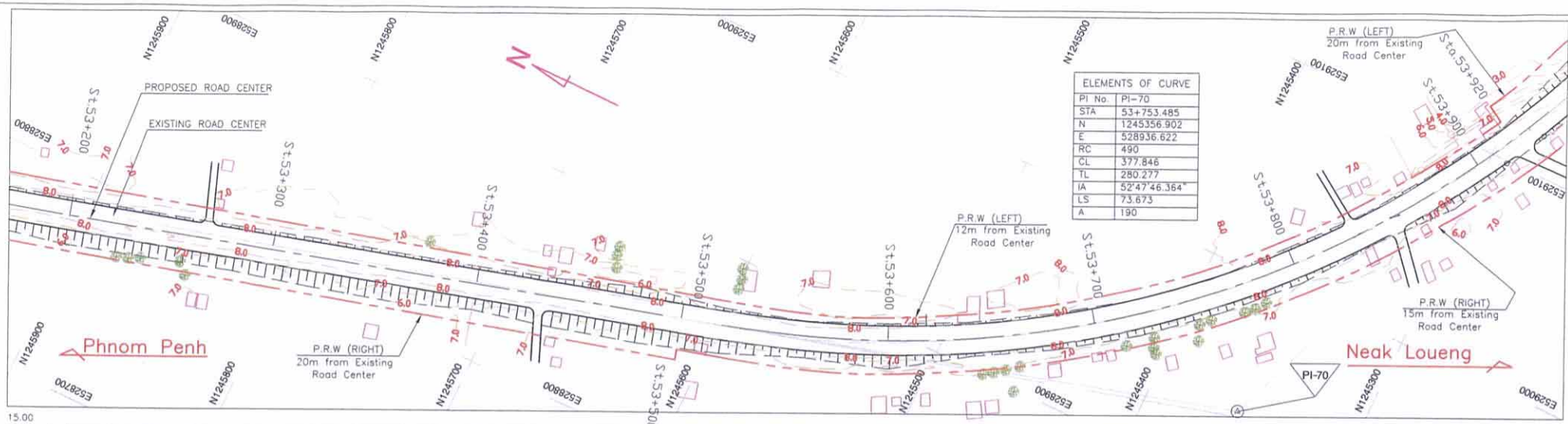
STATION	GROUND HEIGHT	PAVEMENT HEIGHT
52+500	8.13	9.025
52+520	8.17	9.024
52+540	8.22	9.023
52+560	8.30	9.021
52+580	8.29	9.020
52+600	8.29	9.019
52+620	8.32	9.018
52+640	8.27	9.017
52+660	8.31	9.015
52+680	8.30	9.014
52+700	8.30	9.013
52+720	8.36	9.012
52+740	8.35	9.011
52+760	8.31	9.010
52+780	8.32	9.008
52+800	8.29	9.007
52+820	8.28	9.006
52+840	8.33	9.005
52+860	8.35	9.004
52+880	8.41	9.002
52+900	8.38	9.001
52+920	8.37	9.000
52+940	8.34	8.999
52+960	8.30	8.998
52+980	8.25	8.996
53+000	8.21	8.995
53+020	8.23	8.994
53+040	8.30	8.993
53+060	8.30	8.992
53+080	8.33	8.990
53+100	8.29	8.989
53+120	8.28	8.988
53+140	8.29	8.987
53+160	8.31	8.986
53+180	8.31	8.985
53+200	8.28	8.983

HORIZONTAL CURVATURE: Rc=∞ L=1078.302

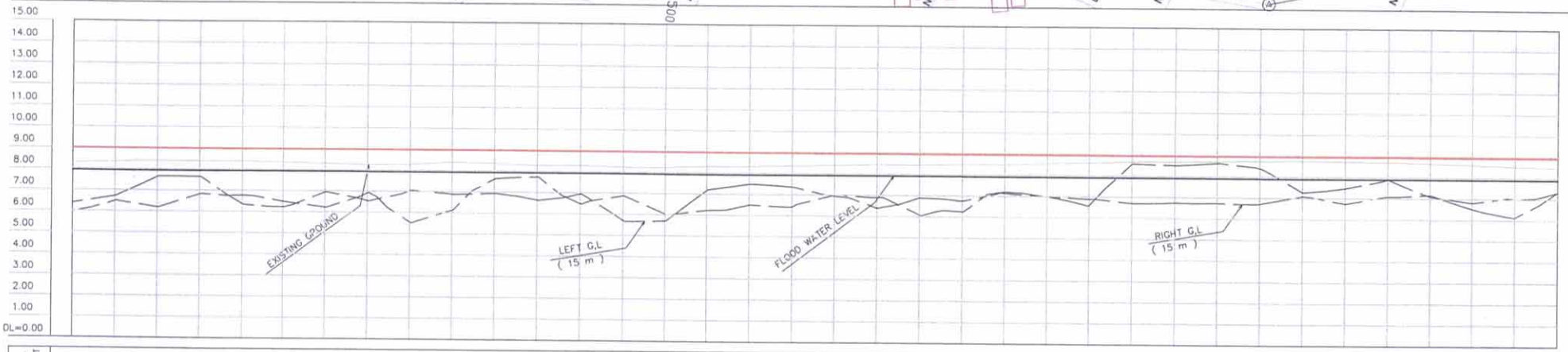
SUPER-ELEVATION: NC

CROSS SECTION TYPE: TYPE-6 ... TYPE-6

MINISTRY OF PUBLIC WORKS AND TRANSPORT (MPWT)	THE PROJECT FOR THE IMPROVEMENT OF NATIONAL ROAD NO.1 (PHNOM PENH-NEAK LOUENG SECTION) IN THE KINGDOM OF CAMBODIA	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO.,LTD	TITLE : PLAN AND PROFILE (STA.52+500-STA.53+200)	SCALE H=1/2000 V=1/200	Drawing No. Sheet No. PL-76



ELEMENTS OF CURVE	
PI No.	PI-70
STA	53+753.485
N	1245356.902
E	528936.622
RC	490
CL	377.846
TL	280.277
IA	52°47'46.364"
LS	73.673
A	190



VERTICAL ALIGNMENT: i=-0.006% L=4435.00

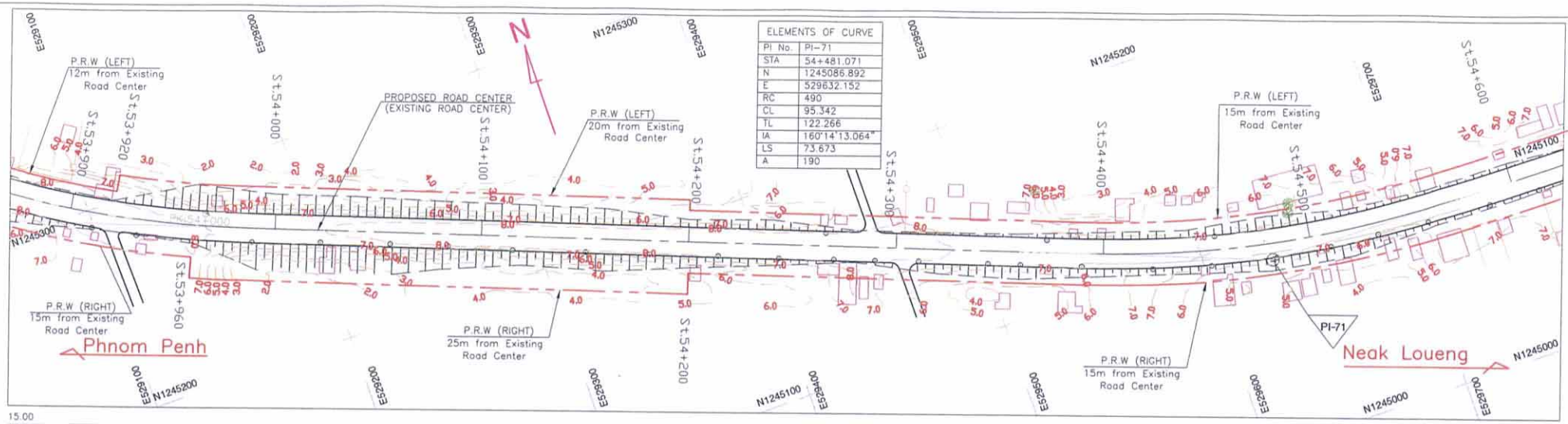
STATION	GROUND HEIGHT	PAVEMENT HEIGHT
53+200	8.28	8.983
53+220	8.34	8.982
53+240	8.39	8.981
53+260	8.39	8.980
53+280	8.39	8.979
53+300	8.34	8.977
53+320	8.30	8.976
53+340	8.25	8.975
53+360	8.28	8.974
53+380	8.39	8.973
53+400	8.35	8.971
53+420	8.27	8.970
53+440	8.29	8.969
53+460	8.23	8.968
53+480	8.23	8.967
53+500	8.31	8.965
53+520	8.32	8.964
53+540	8.35	8.963
53+560	8.41	8.962
53+580	8.44	8.961
53+600	8.44	8.960
53+620	8.48	8.958
53+640	8.49	8.957
53+660	8.55	8.956
53+680	8.59	8.955
53+700	8.66	8.954
53+720	8.68	8.952
53+740	8.70	8.951
53+760	8.73	8.950
53+780	8.76	8.949
53+800	8.73	8.948
53+820	8.71	8.946
53+840	8.67	8.945
53+860	8.60	8.944
53+880	8.54	8.943
53+900	8.47	8.942

HORIZONTAL CURVATURE: Rc=∞ L=1078.302 | TS | A=190 Ls=73.673 | SC | Rc=490 Lc=377.846

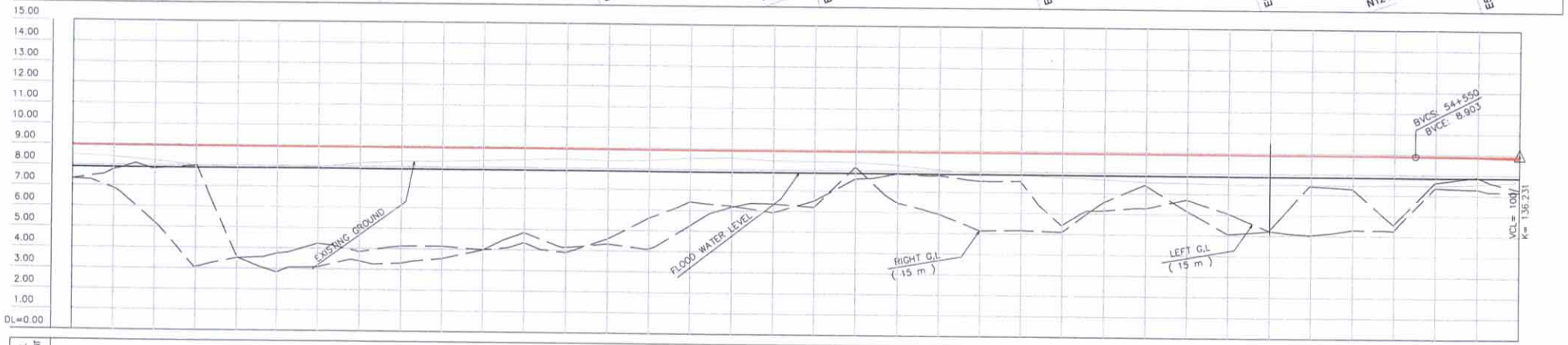
SUPER-ELEVATION: NC | -3.00 | 53+486 | 53+546 | 4.00 | -4.00 | e=4%

CROSS SECTION TYPE: TYPE-6 | TYPE-3 | TYPE-3

MINISTRY OF PUBLIC WORKS AND TRANSPORT (MPWT)	THE PROJECT FOR THE IMPROVEMENT OF NATIONAL ROAD NO.1 (PHNOM PENH-NEAK LOUENG SECTION) IN THE KINGDOM OF CAMBODIA	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO.,LTD	TITLE : PLAN AND PROFILE (STA.53+200-STA.53+900)	SCALE H=1/2000 V=1/200	Drawing No. Sheet No. PL-77



ELEMENTS OF CURVE	
PI No.	PI-71
STA	54+481.071
N	1245086.892
E	529632.152
RC	490
CL	95.342
TL	122.266
IA	160°14'13.064"
LS	73.673
A	190



VERTICAL ALIGNMENT: i=-0.006% L=443.00 — 8.900

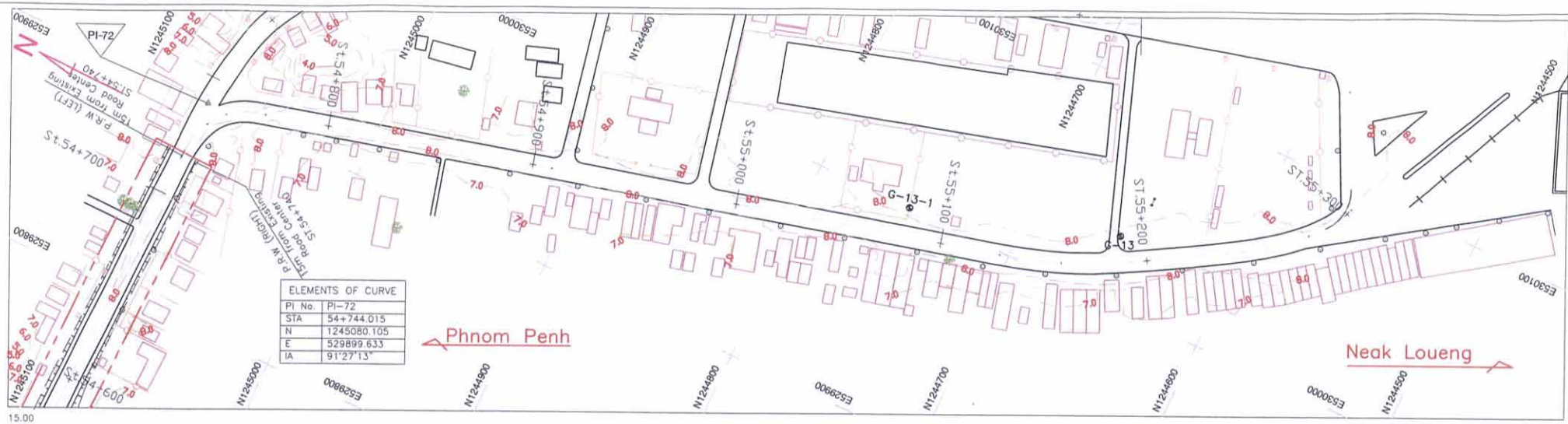
STATION	GROUND HEIGHT	PAVEMENT HEIGHT
53+900	8.47	8.942
53+920	8.38	8.940
53+940	8.22	8.939
53+960	8.01	8.938
53+980	7.88	8.937
54+000	7.94	8.936
54+020	7.96	8.935
54+040	8.16	8.933
54+060	8.25	8.932
54+080	8.25	8.931
54+100	8.31	8.930
54+120	8.38	8.929
54+140	8.44	8.927
54+160	8.36	8.926
54+180	8.41	8.925
54+200	8.54	8.924
54+220	8.57	8.923
54+240	8.44	8.921
54+260	8.43	8.920
54+280	8.41	8.919
54+300	8.29	8.918
54+320	8.07	8.917
54+340	7.92	8.915
54+360	7.83	8.914
54+380	7.74	8.913
54+400	7.67	8.912
54+420	7.55	8.911
54+440	7.52	8.910
54+460	7.47	8.908
54+480	7.49	8.907
54+500	7.49	8.906
54+520	7.47	8.905
54+540	7.50	8.904
54+560	7.49	8.899
54+580	7.53	8.888
54+600	7.67	8.808

HORIZONTAL CURVATURE: CS — Rc=490, Lc=377.846, A=190, Ls=73.673; ST — Rc=∞, L=343.559; A=190, Ls=73.673; Rc=490, Lc=95.342; A=190, Ls=73.673

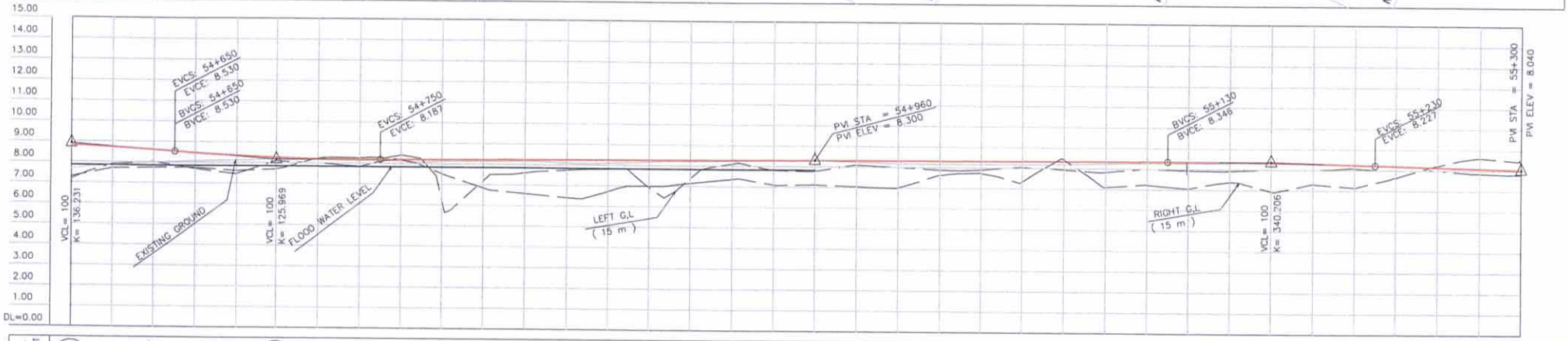
SUPER-ELEVATION: e=4% (4.00 / -4.00) 53+956; 54+216 (-3.00 / 3.00); NC; 54+359 (3.00 / -3.00); 54+419 (4.00 / -4.00); e=4%; 54+542 (4.00 / -4.00); 54+602 (-3.00 / 3.00)

CROSS SECTION TYPE: TYPE-3 ... TYPE-3

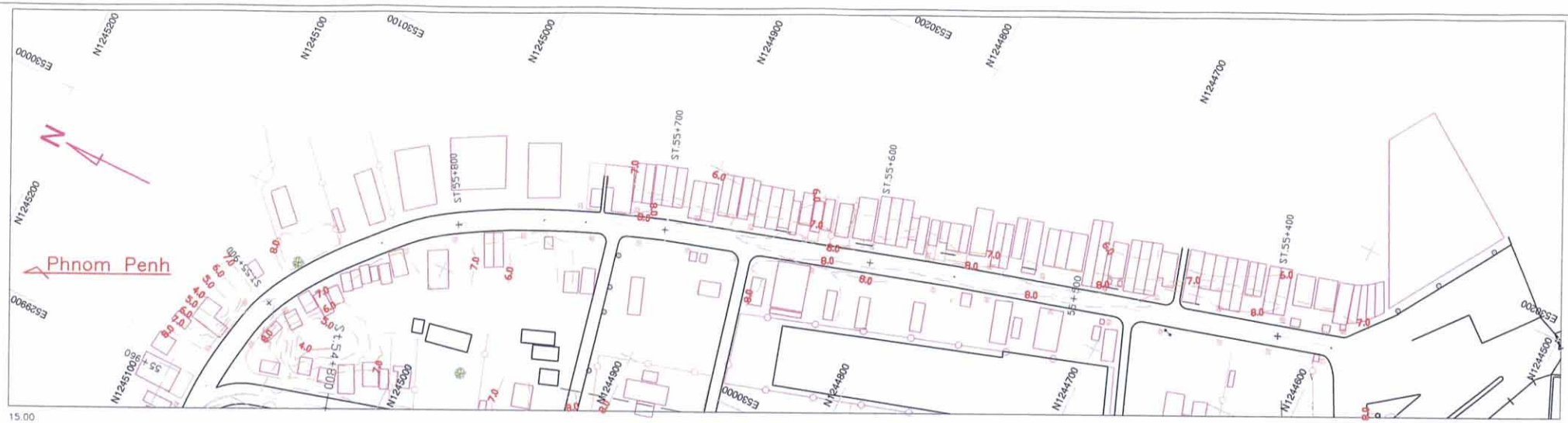
MINISTRY OF PUBLIC WORKS AND TRANSPORT (MPWT)	THE PROJECT FOR THE IMPROVEMENT OF NATIONAL ROAD NO.1 (PHNOM PENH-NEAK LOUENG SECTION) IN THE KINGDOM OF CAMBODIA	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO.,LTD	TITLE : PLAN AND PROFILE (STA.53+900–STA.54+600)	SCALE H=1/2000 V=1/200	Drawing No.
					Sheet No. PL-78

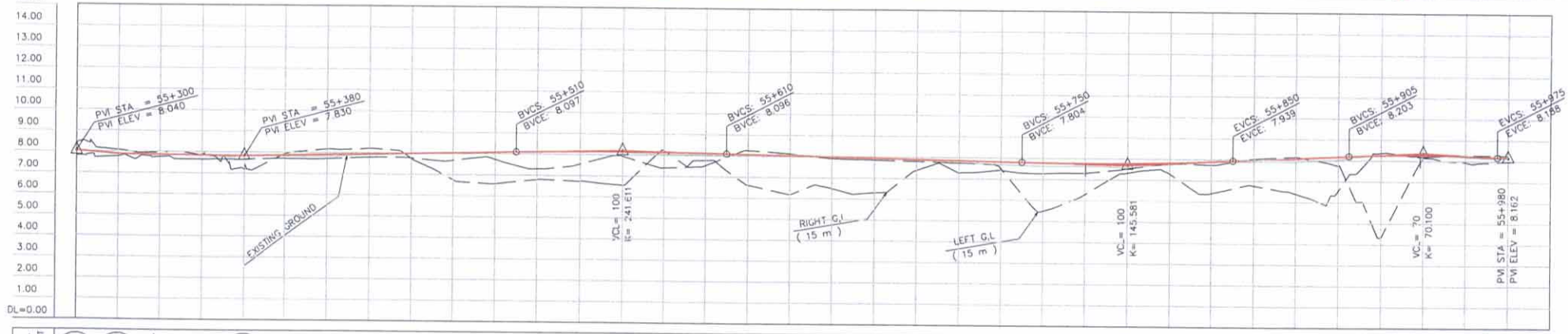


ELEMENTS OF CURVE	
PI No.	PI-72
STA	54+744.015
N	1245080.105
E	529899.633
IA	91°27'13"



| VERTICAL ALIGNMENT | | |





STATION	PAVEMENT HEIGHT	GROUND HEIGHT
55+300	8.040	8.04
55+320	7.880	7.88
55+340	7.863	7.84
55+360	7.847	7.83
55+380	7.830	7.83
55+400	7.871	7.82
55+420	7.912	7.81
55+440	7.953	7.90
55+460	7.994	7.96
55+480	8.036	8.00
55+500	8.077	8.04
55+520	8.116	8.09
55+540	8.140	8.13
55+560	8.148	8.12
55+580	8.140	8.05
55+600	8.115	8.03
55+620	8.075	8.03
55+640	8.033	8.09
55+660	7.992	8.01
55+680	7.950	7.93
55+700	7.908	7.87
55+720	7.867	7.77
55+740	7.825	7.69
55+760	7.787	7.62
55+780	7.773	7.64
55+800	7.786	7.60
55+820	7.827	7.74
55+840	7.895	7.87
55+860	7.987	7.90
55+880	8.083	7.92
55+900	8.179	8.04
55+920	8.258	8.22
55+940	8.283	8.27
55+960	8.250	8.20
55+980	8.162	8.15

VERTICAL ALIGNMENT: 8.040 — i=-0.083% L=80.00 — 7.880 — 7.830 — i=0.206% L=180.00 — 8.200 — i=-0.208% L=240.00 — 7.700 — i=0.479% L=140.00 — 8.370 — i=-0.520% L=40.00 — 8.162

HORIZONTAL CURVATURE: Rc=∞ L=1404.486

SUPER-ELEVATION: NC

CROSS SECTION TYPE: TYPE-F ... TYPE-F

MINISTRY OF PUBLIC WORKS AND TRANSPORT (MPWT)	THE PROJECT FOR THE IMPROVEMENT OF NATIONAL ROAD NO.1 (PHNOM PENH-NEAK LOUENG SECTION) IN THE KINGDOM OF CAMBODIA	**JAPAN INTERNATIONAL COOPERATION AGENCY** KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO.,LTD	TITLE : PLAN AND PROFILE (STA.55+300-STA.55+980)	SCALE H=1/2000 V=1/200	Drawing No. / Sheet No. PL-80