DEPARTMENT OF ROADS
Ministry of Physical Planning and Works, FDR/ Nepal

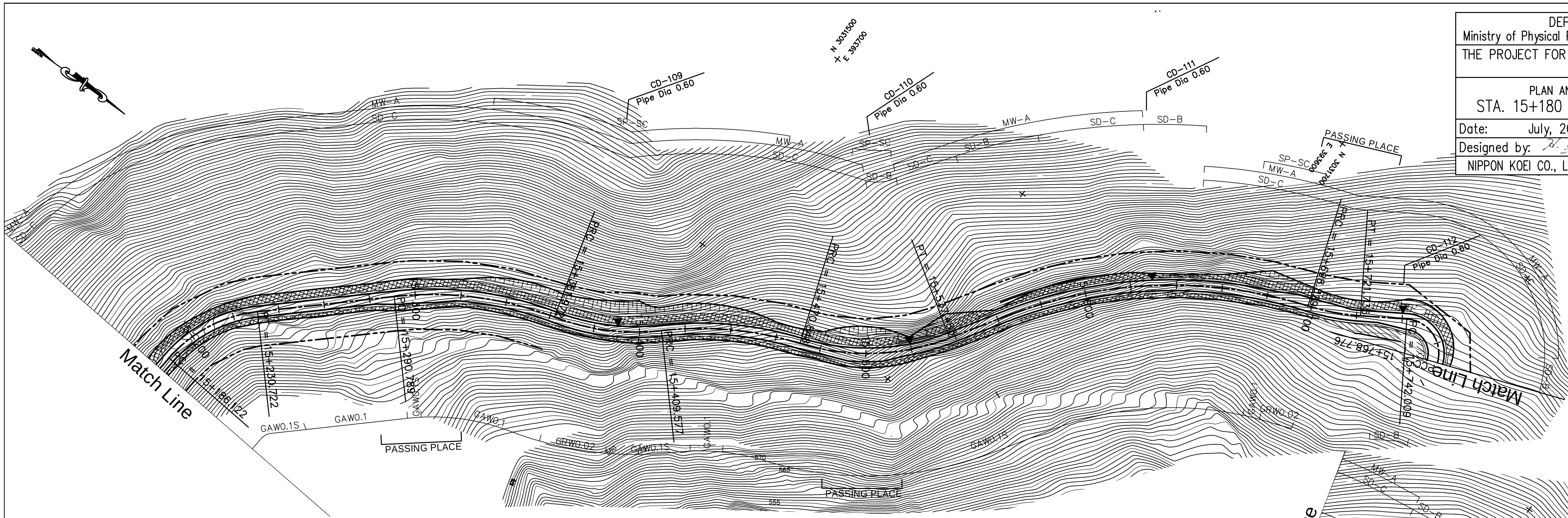
THE PROJECT FOR CONSTRUCTION OF SINDHULI ROAD (Section III)

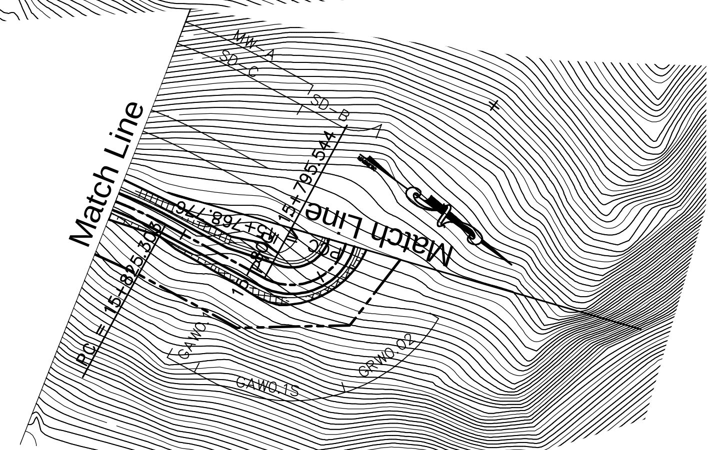
PLAN AND PROFILE
STA. 15+180 – STA. 15+840

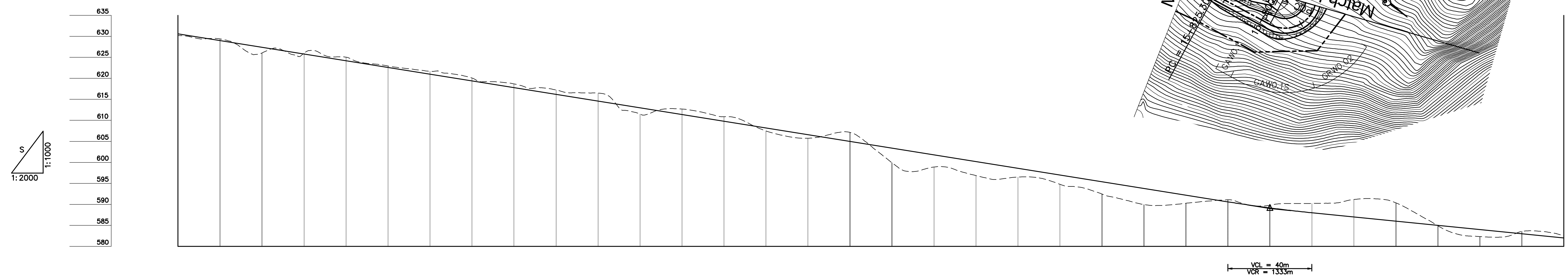
Drawing No. B–36

Date: July, 2009	Scale: 1:2000
Designed by:	Approved by:

NIPPON KOEI CO., LTD, Consulting Engineers, Japan







GRADE: –8.000% L=700.000; 589.000 15+700.000; –5.000% L=560.000

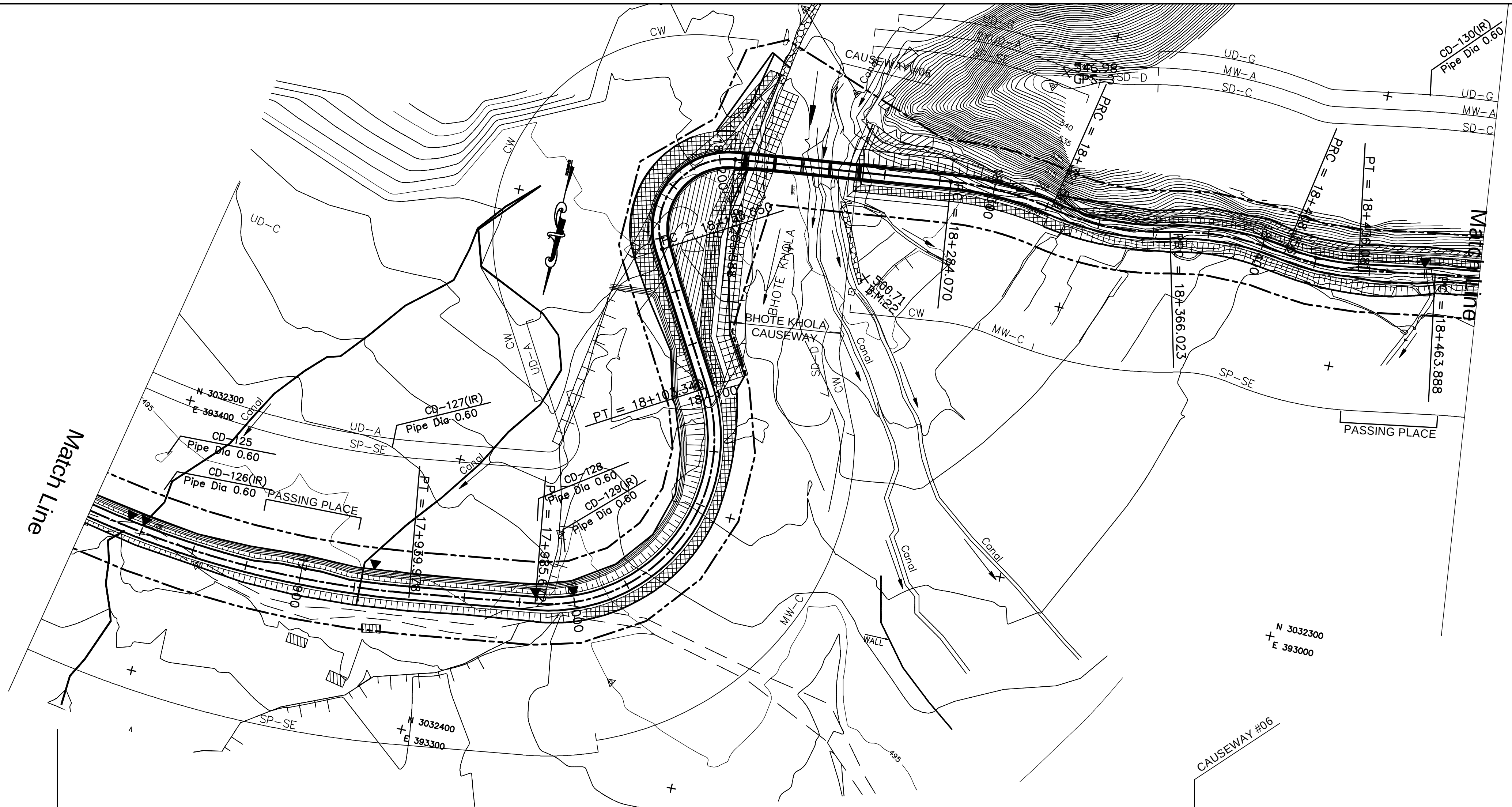
STATION	PROPOSED HEIGHT	GROUND HEIGHT
15+180	630.600	630.200
15+200	629.000	629.395
15+220	627.400	626.059
15+240	625.800	626.026
15+260	624.200	625.052
15+280	622.600	622.946
15+300	621.000	621.695
15+320	619.400	620.088
15+340	617.800	618.682
15+360	616.200	617.243
15+380	614.600	616.505
15+400	613.000	611.516
15+420	611.400	612.691
15+440	609.800	610.873
15+460	608.200	607.485
15+480	606.600	605.741
15+500	605.000	607.130
15+520	603.400	599.913
15+540	601.800	598.893
15+560	600.200	596.853
15+580	598.600	596.486
15+600	597.000	594.778
15+620	595.400	592.471
15+640	593.800	589.967
15+660	592.200	590.254
15+680	590.600	591.085
15+700	589.150	589.795
15+720	588.000	590.221
15+740	587.000	591.152
15+760	586.000	590.364
15+780	585.000	584.906
15+800	584.000	582.335
15+820	583.000	583.548
15+840	582.000	582.497

CURVE ELEMENT: L=65.041; +186.122; R=60 L=44.600; +230.722; L=60.067; +290.789; R=150 L=71.183; +361.972; R=100 L=47.606; +409.577; R=150 L=61.270; +470.848; R=100 L=66.636; +537.483; L=26.442; +563.926; R=200 L=134.403; +698.329; R=100 L=23.406; +721.735; L=20.274; +742.009; R=15 L=26.768; +768.776; R=15 L=26.768; +795.544; L=29.759; +825.303; R=120 L=127.995

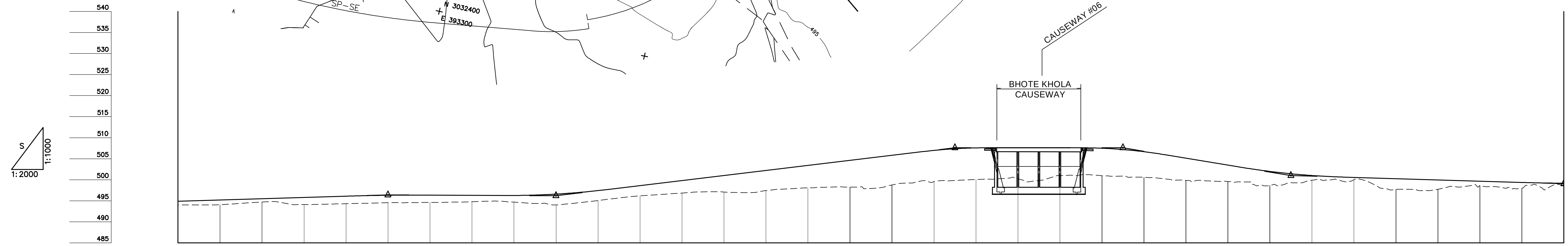
SUPER ELEVATION: —— Left; – – – Right; 2.5%; 2.5%; 0.0%; 6.0%; 6.0%; 2.5%; 2.5%

WIDENING: 1.25m; 1.25m; 1.25m; 2.25m

DESIGN SPEED: 30 Km/h; 20 Km/h; 30 Km/h



DEPARTMENT OF ROADS Ministry of Physical Planning and Works, FDR/ Nepal	
THE PROJECT FOR CONSTRUCTION OF SINDHULI ROAD (Section III)	
PLAN AND PROFILE STA. 17+820 – STA. 18+480	Drawing No. B-40
Date: July, 2009	Scale: 1:2000
Designed by: [signature]	Approved by:
NIPPON KOEI CO., LTD, Consulting Engineers, Japan	



GRADE

Grade	L	VCL	VCR	Elevation	Station
1.500%	L=240.000	40m	2286m	496.400	17+920.000
-0.250%	L=80.000	50m	800m	496.200	18+000.000
6.000%	L=190.000	30m	500m	507.600	18+190.000
0.000%	L=80.000	40m	486m	507.600	18+270.000
-8.238%	L=80.000	50m	742m	501.010	18+350.000
-1.500%	L=130.000	40m	1692m	499.060	18+480.000

STATION	PROPOSED HEIGHT	GROUND HEIGHT
17+820	494.900	494.000
17+840	495.200	494.064
17+860	495.500	494.714
17+880	495.800	494.101
17+900	496.100	494.315
17+920	496.313	494.545
17+940	496.350	494.601
17+960	496.300	494.780
17+980	496.266	494.694
18+000	496.591	494.000
18+020	497.416	495.065
18+040	498.600	496.162
18+060	499.800	496.850
18+080	501.000	497.079
18+100	502.200	497.419
18+120	503.400	498.066
18+140	504.600	498.249
18+160	505.800	498.754
18+180	506.975	499.553
18+200	507.575	500.051
18+220	507.600	500.239
18+240	507.600	501.010
18+260	507.497	500.955
18+280	506.673	500.582
18+300	505.129	499.859
18+320	503.481	499.600
18+340	501.985	498.661
18+360	501.012	499.894
18+380	500.560	500.001
18+400	500.260	497.735
18+420	499.960	497.741
18+440	499.660	498.619
18+460	499.360	497.954
18+480	499.178	498.661

CURVE ELEMENT

Element	End
R=350 L=131.351	+939.978
L=45.694	+985.672
R=60 L=117.669	+103.340
L=52.710	+156.050
R=25 L=49.538	+205.588
L=78.481	+284.070
R=120 L=37.749	+321.819
R=100 L=44.204	+366.023
R=100 L=42.333	+408.356
R=80 L=27.725	+436.081
L=27.807	+463.888
R=300 L=51.289	

SUPER ELEVATION (—— Left, – – – Right): 2.5%, 2.5%, 0.0%, 6.0%, 6.0%, 2.0%, 2.0%, 2.5%, 2.5%

WIDENING: 1.25m, 0.5m, 1.25m

DESIGN SPEED: 30 Km/h