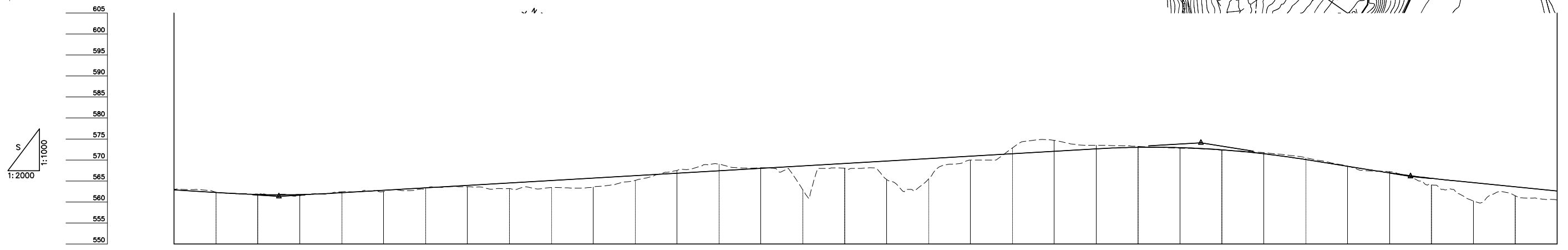
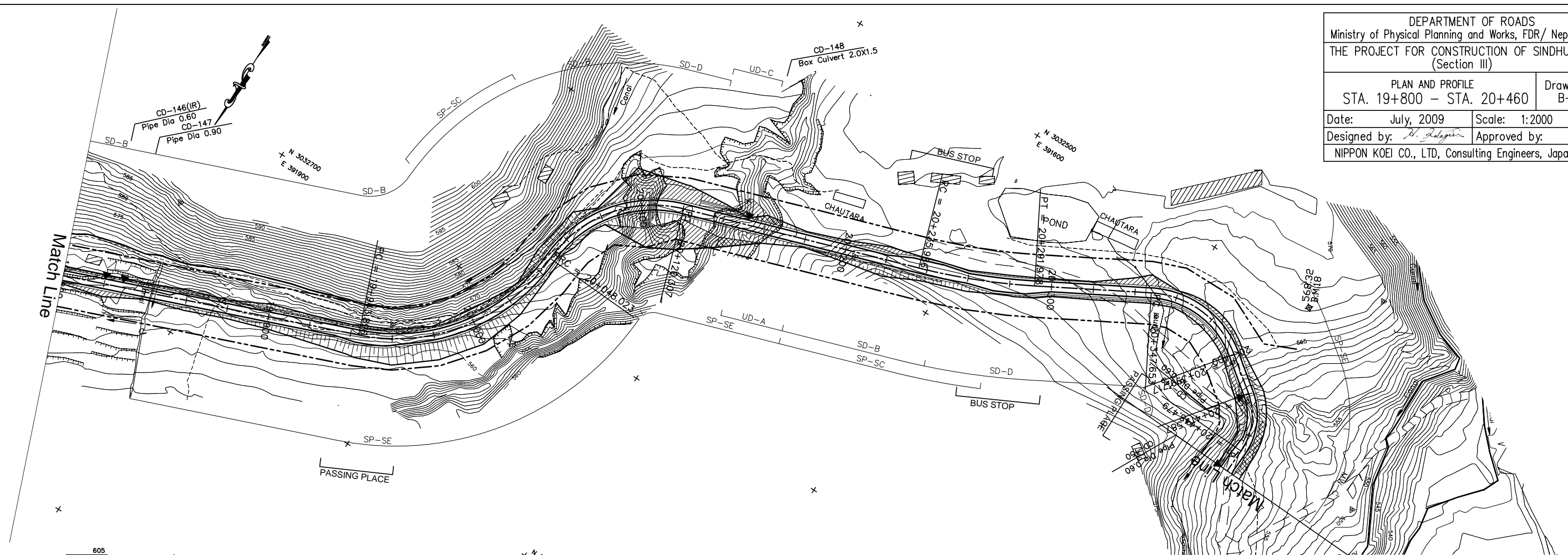


DEPARTMENT OF ROADS
Ministry of Physical Planning and Works, FDR/ Nepal

THE PROJECT FOR CONSTRUCTION OF SINDHULI ROAD (Section III)

PLAN AND PROFILE STA. 19+800 - STA. 20+460		Drawing No. B-44
Date: July, 2009	Scale: 1:2000	
Designed by: <i>S. Subbaraj</i>	Approved by:	
NIPPON KOEI CO., LTD, Consulting Engineers, Japan		



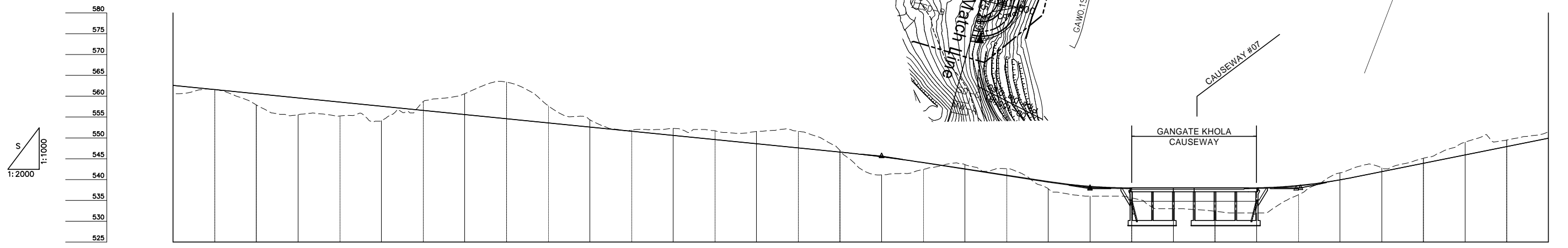
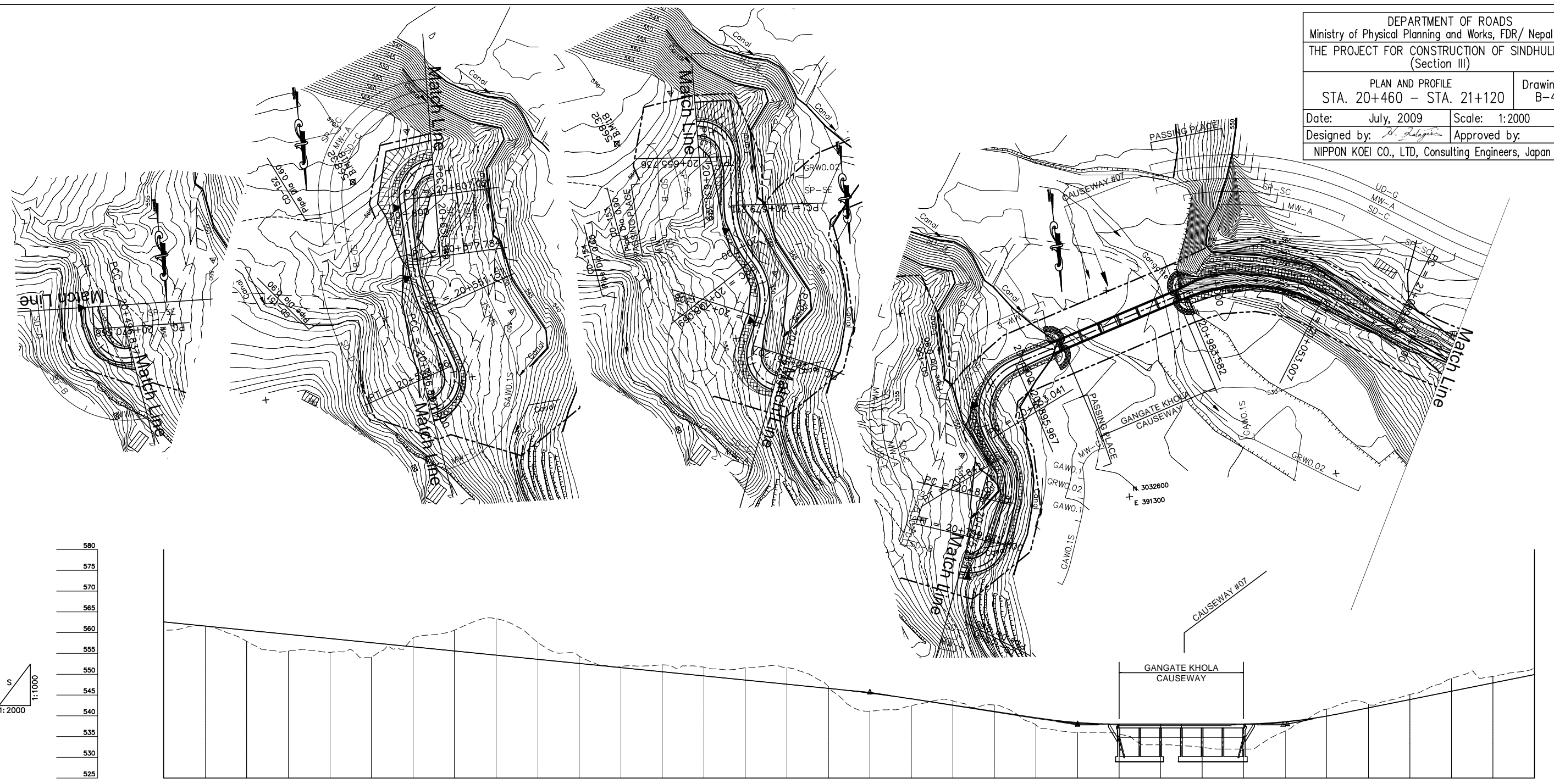
GRADE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
PROPOSED HEIGHT	562.890	562.270	561.785	561.765	562.210	562.790	563.370	563.950	564.530	565.110	565.690	566.270	566.850	567.430	568.010	568.590	569.170	569.750	570.330	570.910	571.490	572.070	572.650	573.230	573.810	574.390	574.970	575.550	576.130	576.710	577.290	577.870	578.450	579.030	579.610	580.190	580.770	581.350	581.930	582.510	583.090	583.670	584.250	584.830	585.410	585.990	586.570	587.150	587.730	588.310	588.890	589.470	590.050	590.630	591.210	591.790	592.370	592.950	593.530	594.110	594.690	595.270	595.850	596.430	597.010	597.590	598.170	598.750	599.330	599.910	600.490	601.070	601.650	602.230	602.810	603.390	603.970	604.550	605.130	605.710	606.290	606.870	607.450	608.030	608.610	609.190	609.770	610.350	610.930	611.510	612.090	612.670	613.250	613.830	614.410	614.990	615.570	616.150	616.730	617.310	617.890	618.470	619.050	619.630	620.210	620.790	621.370	621.950	622.530	623.110	623.690	624.270	624.850	625.430	626.010	626.590	627.170	627.750	628.330	628.910	629.490	630.070	630.650	631.230	631.810	632.390	632.970	633.550	634.130	634.710	635.290	635.870	636.450	637.030	637.610	638.190	638.770	639.350	639.930	640.510	641.090	641.670	642.250	642.830	643.410	643.990	644.570	645.150	645.730	646.310	646.890	647.470	648.050	648.630	649.210	649.790	650.370	650.950	651.530	652.110	652.690	653.270	653.850	654.430	655.010	655.590	656.170	656.750	657.330	657.910	658.490	659.070	659.650	660.230	660.810	661.390	661.970	662.550	663.130	663.710	664.290	664.870	665.450	666.030	666.610	667.190	667.770	668.350	668.930	669.510	670.090	670.670	671.250	671.830	672.410	672.990	673.570	674.150	674.730	675.310	675.890	676.470	677.050	677.630	678.210	678.790	679.370	679.950	680.530	681.110	681.690	682.270	682.850	683.430	684.010	684.590	685.170	685.750	686.330	686.910	687.490	688.070	688.650	689.230	689.810	690.390	690.970	691.550	692.130	692.710	693.290	693.870	694.450	695.030	695.610	696.190	696.770	697.350	697.930	698.510	699.090	699.670	700.250	700.830	701.410	701.990	702.570	703.150	703.730	704.310	704.890	705.470	706.050	706.630	707.210	707.790	708.370	708.950	709.530	710.110	710.690	711.270	711.850	712.430	713.010	713.590	714.170	714.750	715.330	715.910	716.490	717.070	717.650	718.230	718.810	719.390	719.970	720.550	721.130	721.710	722.290	722.870	723.450	724.030	724.610	725.190	725.770	726.350	726.930	727.510	728.090	728.670	729.250	729.830	730.410	730.990	731.570	732.150	732.730	733.310	733.890	734.470	735.050	735.630	736.210	736.790	737.370	737.950	738.530	739.110	739.690	740.270	740.850	741.430	742.010	742.590	743.170	743.750	744.330	744.910	745.490	746.070	746.650	747.230	747.810	748.390	748.970	749.550	750.130	750.710	751.290	751.870	752.450	753.030	753.610	754.190	754.770	755.350	755.930	756.510	757.090	757.670	758.250	758.830	759.410	759.990	760.570	761.150	761.730	762.310	762.890	763.470	764.050	764.630	765.210	765.790	766.370	766.950	767.530	768.110	768.690	769.270	769.850	770.430	771.010	771.590	772.170	772.750	773.330	773.910	774.490	775.070	775.650	776.230	776.810	777.390	777.970	778.550	779.130	779.710	780.290	780.870	781.450	782.030	782.610	783.190	783.770	784.350	784.930	785.510	786.090	786.670	787.250	787.830	788.410	788.990	789.570	790.150	790.730	791.310	791.890	792.470	793.050	793.630	794.210	794.790	795.370	795.950	796.530	797.110	797.690	798.270	798.850	799.430	800.010	800.590	801.170	801.750	802.330	802.910	803.490	804.070	804.650	805.230	805.810	806.390	806.970	807.550	808.130	808.710	809.290	809.870	810.450	811.030	811.610	812.190	812.770	813.350	813.930	814.510	815.090	815.670	816.250	816.830	817.410	817.990	818.570	819.150	819.730	820.310	820.890	821.470	822.050	822.630	823.210	823.790	824.370	824.950	825.530	826.110	826.690	827.270	827.850	828.430	829.010	829.590	830.170	830.750	831.330	831.910	832.490	833.070	833.650	834.230	834.810	835.390	835.970	836.550	837.130	837.710	838.290	838.870	839.450	839.998
GROUND HEIGHT	563.073	562.305	561.964	561.514	562.442	562.457	563.213	563.635	563.204	563.444	563.531	565.130	567.498	569.026	568.162	562.934	568.027	565.373	565.489	570.000	572.860	574.680	573.504	573.247	572.800	572.360	571.751	570.543	568.535	567.224	564.079	560.229	561.484	560.527	562.600																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
STATION	19+800	19+820	19+840	19+860	19+880	19+900	19+920	19+940	19+960	19+980	20+000	20+020	20+040	20+060	20+080	20+100	20+120	20+140	20+160	20+180	20+200	20+220	20+240	20+260	20+280	20+300	20+320	20+340	20+360	20+380	20+400	20+420	20+440	20+460																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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DEPARTMENT OF ROADS
 Ministry of Physical Planning and Works, FDR/ Nepal
 THE PROJECT FOR CONSTRUCTION OF SINDHULI ROAD
 (Section III)

PLAN AND PROFILE
 STA. 20+460 – STA. 21+120

Drawing No. B-45

Date: July, 2009 Scale: 1:2000
 Designed by: *S. Salgin* Approved by:
 NIPPON KOEI CO., LTD, Consulting Engineers, Japan



GRADE																																											
PROPOSED HEIGHT		562.600	561.600	560.600	559.600	558.600	557.600	556.600	555.600	554.600	553.600	552.600	551.600	550.600	549.600	548.600	547.600	546.600	545.470	544.080	542.560	541.040	539.520	538.380	538.000	538.000	538.000	538.016	538.576	539.936	541.900	543.900	545.900	547.900	549.900								
GROUND HEIGHT		560.527	561.631	557.908	555.551	555.240	554.141	558.671	560.582	563.400	557.718	554.363	551.882	552.254	551.718	551.561	551.592	547.004	541.117	542.432	543.571	542.620	537.783	536.000	535.594	533.000	532.389	532.000	536.367	541.608	542.819	545.115	548.982	549.499	551.398	549.900							
STATION		20+460	20+480	20+500	20+520	20+540	20+560	20+580	20+600	20+620	20+640	20+660	20+680	20+700	20+720	20+740	20+760	20+780	20+800	20+820	20+840	20+860	20+880	20+900	20+920	20+940	20+960	20+980	21+000	21+020	21+040	21+060	21+080	21+100	21+120								
CURVE ELEMENT		R=15 L=22.090		R=15 L=26.269		L=28.051		R=90 L=26.627		L=29.237		R=15 L=24.357		R=15 L=24.357		L=23.475		R=45 L=28.858		R=30 L=29.239		L=13.899		R=15 L=24.082		R=15 L=24.082		L=19.768		R=30 L=23.568		L=10.335		R=25 L=42.926		L=87.615		R=80 L=69.425		L=36.932		R=300 L=92.696	
SUPER ELEVATION	Left																																										
WIDENING																																											
DESIGN SPEED	Running speed	20 Km/h										30 Km/h					30 Km/h(40 Km/h)																										