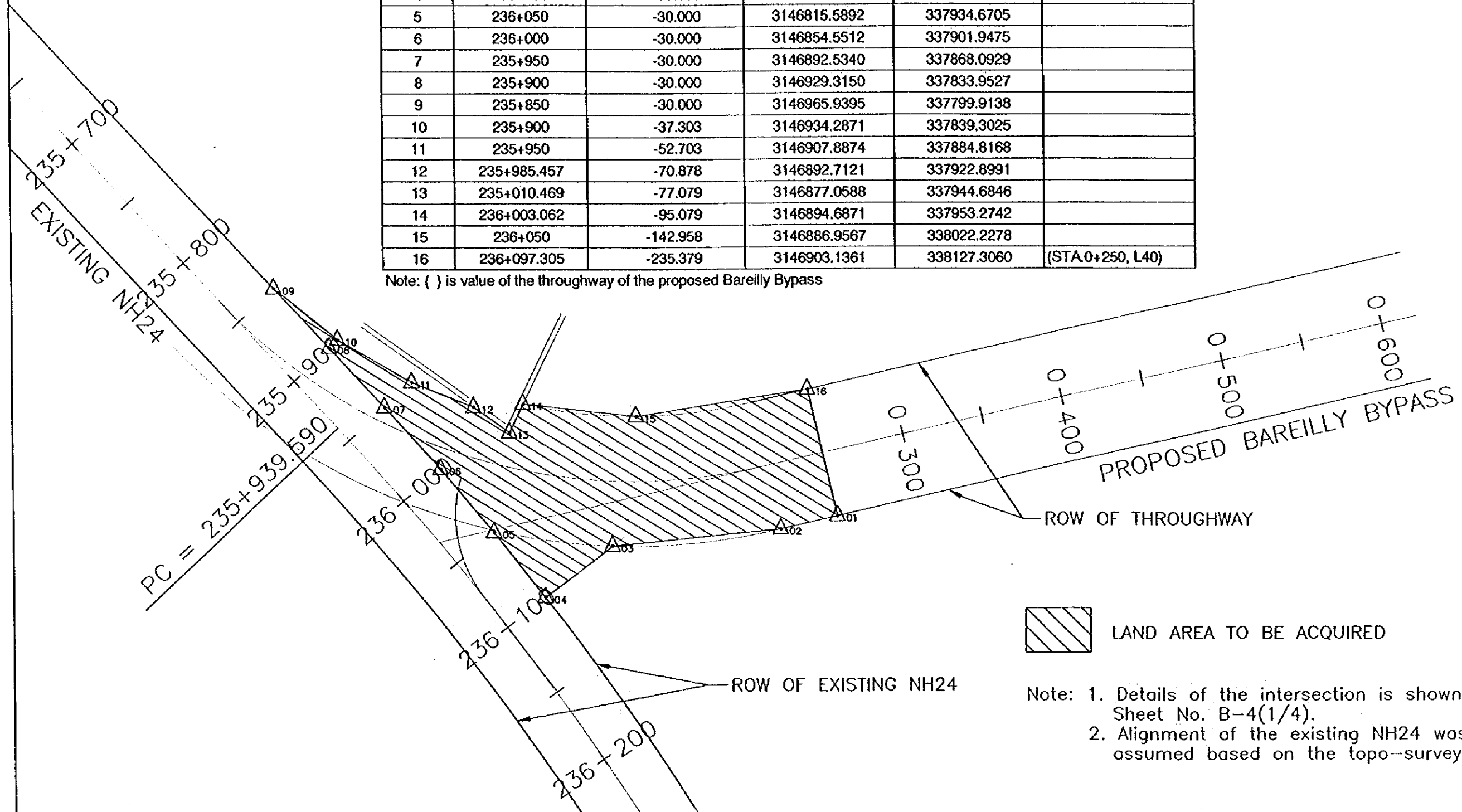


SCHEDULE OF RIGHT-OF-WAY AT BEGINNING INTERSECTION

No.	Station at NH24	Offset from NH24 (m)	Northing	Easting	Remarks
1	236+162.318	-203.588	3146825.2052	338145.3827	(STA.0+250, R40)
2	236+150	-170.622	3146817.1473	338110.6443	
3	236+100	-80.833	3146807.2344	338007.3565	
4	236+100	-30.000	3146775.6818	337966.2335	
5	236+050	-30.000	3146815.5892	337934.6705	
6	236+000	-30.000	3146854.5512	337901.9475	
7	235+950	-30.000	3146892.5340	337868.0929	
8	235+900	-30.000	3146929.3150	337833.9527	
9	235+850	-30.000	3146965.9395	337799.9138	
10	235+900	-37.303	3146934.2871	337839.3025	
11	235+950	-52.703	3146907.8874	337884.8168	
12	235+985.457	-70.878	3146892.7121	337922.8991	
13	235+010.469	-77.079	3146877.0588	337944.6846	
14	236+003.062	-95.079	3146894.6871	337953.2742	
15	236+050	-142.958	3146886.9567	338022.2278	
16	236+097.305	-235.379	3146903.1361	338127.3060	(STA.0+250, L40)

Note: () is value of the throughway of the proposed Bareilly Bypass

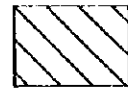


LAND AREA TO BE ACQUIRED

- Note: 1. Details of the intersection is shown in Sheet No. B-4(1/4).
 2. Alignment of the existing NH24 was assumed based on the topo-survey.

STA	Coordinates for Land Acquisition in Bareilly Bypass						
	Right Offset 40 m		Centreline		Left Offset 40 m		
	Northing	Easting	Northing	Easting	Northing	Easting	
See Drawing No. D-1 for the Intersection with Existing NH24							
0 +	250	3,146,825.2052	338,145.3827	3,146,864.1707	338,136.3444	3,146,903.1361	338,127.3060
0 +	300	3,146,836.5032	338,194.0896	3,146,875.4686	338,185.0512	3,146,914.4341	338,176.0128
0 +	400	3,146,859.0992	338,291.5032	3,146,898.0646	338,282.4648	3,146,937.0301	338,273.4265
0 +	500	3,146,881.6951	338,388.9169	3,146,920.6606	338,379.8785	3,146,959.6261	338,370.8401
0 +	600	3,146,904.2911	338,486.3306	3,146,943.2566	338,477.2922	3,146,982.2221	338,468.2538
0 +	700	3,146,926.8871	338,583.7442	3,146,965.8526	338,574.7058	3,147,004.8180	338,565.6674
0 +	800	3,146,949.4831	338,681.1579	3,146,988.4486	338,672.1195	3,147,027.4140	338,663.0811
0 +	900	3,146,972.0791	338,778.5716	3,147,011.0445	338,769.5332	3,147,050.0100	338,760.4948
1 +	000	3,146,994.6751	338,875.9852	3,147,033.6405	338,866.9468	3,147,072.6060	338,857.9084
1 +	100	3,147,017.2710	338,973.3989	3,147,056.2365	338,964.3605	3,147,095.2020	338,955.3221
1 +	200	3,147,039.8670	339,070.8125	3,147,078.8325	339,061.7741	3,147,117.7980	339,052.7358
1 +	300	3,147,062.4630	339,168.2262	3,147,101.4285	339,159.1878	3,147,140.3939	339,150.1494
1 +	400	3,147,085.0590	339,265.6399	3,147,124.0245	339,256.6015	3,147,162.9899	339,247.5631
1 +	500	3,147,107.6550	339,363.0535	3,147,146.6204	339,354.0151	3,147,185.5859	339,344.9767
1 +	600	3,147,130.2510	339,460.4672	3,147,169.2164	339,451.4288	3,147,208.1819	339,442.3904
1 +	700	3,147,152.8469	339,557.8809	3,147,191.8124	339,548.8425	3,147,230.7779	339,539.8041
1 +	800	3,147,175.4429	339,655.2945	3,147,214.4084	339,646.2561	3,147,253.3738	339,637.2177
1 +	900	3,147,198.0389	339,752.7082	3,147,237.0044	339,743.6698	3,147,275.9698	339,734.6314
2 +	000	3,147,220.6349	339,850.1218	3,147,259.6003	339,841.0834	3,147,298.5658	339,832.0451
2 +	100	3,147,243.2309	339,947.5355	3,147,282.1963	339,938.4971	3,147,321.1618	339,929.4587
2 +	200	3,147,265.8268	340,044.9492	3,147,304.7923	340,035.9108	3,147,343.7578	340,026.8724
2 +	300	3,147,288.4228	340,142.3628	3,147,327.3883	340,133.3244	3,147,366.3538	340,124.2860
2 +	400	3,147,311.0188	340,239.7765	3,147,349.9843	340,230.7381	3,147,388.9497	340,221.6997
2 +	500	3,147,333.6148	340,337.1901	3,147,372.5803	340,328.1518	3,147,411.5457	340,319.1134
2 +	600	3,147,356.2108	340,434.6038	3,147,395.1762	340,425.5654	3,147,434.1417	340,416.5270
2 +	700	3,147,378.8068	340,532.0175	3,147,417.7722	340,522.9791	3,147,456.7377	340,513.9407
2 +	800	3,147,401.4027	340,629.4311	3,147,440.3682	340,620.3927	3,147,479.3337	340,611.3543
2 +	900	3,147,423.9987	340,726.8448	3,147,462.9642	340,717.8064	3,147,501.9297	340,708.7680
3 +	000	3,147,446.5947	340,824.2585	3,147,485.5602	340,815.2201	3,147,524.5256	340,806.1817
3 +	100	3,147,469.1907	340,921.6721	3,147,508.1562	340,912.6337	3,147,547.1216	340,903.5953
3 +	200	3,147,491.7867	341,019.0858	3,147,530.7521	341,010.0474	3,147,569.7176	341,001.0090
3 +	300	3,147,514.3827	341,116.4994	3,147,553.3481	341,107.4611	3,147,592.3136	341,098.4227
3 +	400	3,147,536.9786	341,213.9131	3,147,575.9441	341,204.8747	3,147,614.9096	341,195.8363
3 +	500	3,147,559.5746	341,311.3268	3,147,598.5401	341,302.2884	3,147,637.5055	341,293.2500
3 +	600	3,147,582.1706	341,408.7404	3,147,621.1361	341,399.7020	3,147,660.1015	341,390.6636
3 +	700	3,147,604.7666	341,506.1541	3,147,643.7320	341,497.1157	3,147,682.6975	341,488.0773
3 +	800	3,147,627.3626	341,603.5678	3,147,666.3280	341,594.5294	3,147,705.2935	341,585.4910
3 +	900	3,147,649.9585	341,700.9814	3,147,688.9240	341,691.9430	3,147,727.8895	341,682.9046
4 +	000	3,147,672.5545	341,798.3951	3,147,711.5200	341,789.3567	3,147,750.4855	341,780.3183
4 +	100	3,147,695.1505	341,895.8087	3,147,734.1160	341,886.7703	3,147,773.0814	341,877.7320
4 +	152.3289	3,147,707.0358	341,947.0437	3,147,745.9402	341,937.7458	3,147,784.8446	341,928.4480
4 +	200	3,147,717.6052	341,992.8758	3,147,756.6524	341,984.1973	3,147,795.6996	341,975.5188
4 +	300	3,147,737.4031	342,089.5311	3,147,776.7178	342,082.1588	3,147,816.0326	342,074.7864
4 +	400	3,147,753.9688	342,186.7926	3,147,793.5074	342,180.7345	3,147,833.0459	342,174.6765
4 +	500	3,147,767.2838	342,284.5521	3,147,807.0023	342,279.8151	3,147,846.7208	342,275.0782

STA	Coordinates for Land Acquisition in Bareilly Bypass						
	Right Offset 40 m		Centreline		Left Offset 40 m		
	Northing	Easting	Northing	Easting	Northing	Easting	
4 +	600	3,147,777.3334	342,382.7010	3,147,817.1877	342,379.2904	3,147,857.0420	342,375.8798
4 +	700	3,147,784.1063	342,481.1304	3,147,824.0522	342,479.0499	3,147,863.9981	342,476.9694
4 +	800	3,147,787.5952	342,579.7308	3,147,827.5882	342,578.9827	3,147,867.5812	342,578.2347
4 +	900	3,147,787.7960	342,678.3927	3,147,827.7917	342,678.9779	3,147,867.7875	342,679.5631
5 +	000	3,147,784.7086	342,777.0064	3,147,824.6626	342,778.9243	3,147,864.6166	342,780.8421
5 +	100	3,147,778.3364	342,875.4625	3,147,818.2043	342,878.7109	3,147,858.0722	342,881.9592
5 +	200	3,147,768.6865	342,973.6516	3,147,808.4240	342,978.2268	3,147,848.1614	342,982.8020
5 +	300	3,147,755.7696	343,071.4645	3,147,795.3325	343,077.3615	3,147,834.8954	343,083.2585
5 +	400	3,147,739.6000	343,168.7926	3,147,778.9444	343,176.0048	3,147,818.2888	343,183.2171
5 +	500	3,147,720.1957	343,265.5277	3,147,759.2779	343,274.0472	3,147,798.3601	343,282.5666
5 +	600	3,147,697.5783	343,361.5624	3,147,736.3549	343,371.3796	3,147,775.1314	343,381.1969
5 +	700	3,147,671.7729	343,456.7900	3,147,710.2008	343,467.8941	3,147,748.6286	343,478.9982
5 +	800	3,147,642.8082	343,551.1046	3,147,680.8446	343,563.4832	3,147,718.8811	343,575.8619
5 +	900	3,147,610.7163	343,644.4016	3,147,648.3191	343,658.0410	3,147,685.9218	343,671.6804
6 +	000	3,147,575.5330	343,736.5772	3,147,612.6603	343,751.4622	3,147,649.7876	343,766.3472
6 +	100	3,147,537.2972	343,827.5290	3,147,573.9078	343,843.6431	3,147,610.5184	343,859.7572
6 +	200	3,147,496.0515	343,917.1560	3,147,532.1047	343,934.4813	3,147,568.1580	343,951.8065
6 +	278.8374	3,147,461.4425	343,986.8164	3,147,497.0281	344,005.0830	3,147,532.6136	344,023.3496
6 +	300	3,147,451.7168	344,005.9289	3,147,487.4303	344,023.9440	3,147,523.1438	344,041.9592
6 +	400	3,147,407.5946	344,097.1469	3,147,443.8887	344,113.9618	3,147,480.1828	344,130.7767
6 +	500	3,147,366.5370	344,189.7847	3,147,403.3713	344,205.3807	3,147,440.2056	344,220.9767
6 +	600	3,147,328.5896	344,283.7394	3,147,365.9232	344,298.0992	3,147,403.2568	344,312.4589
6 +	700	3,147,293.7945	344,378.9066	3,147,331.5859	344,392.0141	3,147,369.3773	344,405.1217
6 +	800	3,147,262.1903	344,475.1805	3,147,300.3976	344,487.0213	3,147,338.6049	344,498.8621
6 +	900	3,147,233.8123	344,572.4543	3,147,272.3929	344,583.0151	3,147,310.9736	344,593.5760
7 +	000	3,147,208.6919	344,670.6197	3,147,247.6031	344,679.8890	3,147,286.5143	344,689.1582
7 +	100	3,147,186.8570	344,769.5679	3,147,226.0555	344,777.5351	3,147,265.2540	344,785.5024
7 +	200	3,147,168.3318	344,869.1887	3,147,207.7741	344,875.8452	3,147,247.2164	344,882.5016
7 +	300	3,147,153.1371	344,969.3716	3,147,192.7793	344,974.7099	3,147,232.4215	344,980.0481
7 +	400	3,147,141.2896	345,070.0053	3,147,181.0877	345,074.0194	3,147,220.8858	345,078.0335
7 +	500	3,147,132.8026	345,170.9778	3,147,172.7123	345,173.6634	3,147,212.6221	345,176.3490
7 +	600	3,147,127.6853	345,272.1772	3,147,167.6624	345,273.5312	3,147,207.6395	345,274.8852
7 +	700	3,147,125.9436	345,373.4909	3,147,165.9436	345,373.5118	3,147,205.9436	345,373.5327
7 +	800	3,147,127.5794	345,474.8063	3,147,167.5579	345,473.4941	3,147,207.5364	345,472.1819
7 +	900	3,147,132.5908	345,576.0109	3,147,172.5034	345,573.3671	3,147,212.4159	345,570.7233
8 +	000	3,147,140.9723	345,676.9923	3,147,180.7746	345,673.0198	3,147,220.5768	345,669.0473
8 +	022.2176	3,147,143.2912	345,699.3864	3,147,183.0629	345,695.1192	3,147,222.8347	345,690.8520
8 +	100	3,147,150.7611	345,776.0266	3,147,190.6083	345,772.5335	3,147,230.4555	345,769.0405
8 +	200	3,147,158.1728	345,874.7462	3,147,198.0948	345,872.2503	3,147,238.0169	345,869.7544
8 +	300	3,147,163.1144	345,973.6202	3,147,203.0864	345,972.1230	3,147,243.0583	345,970.6259
8 +	400	3,147,165.5829	346,072.5868	3,147,205.5798	346,072.0893	3,147,245.5767	346,071.5918
See Drawing No. D-3 for the Interchange at Existing SH37							

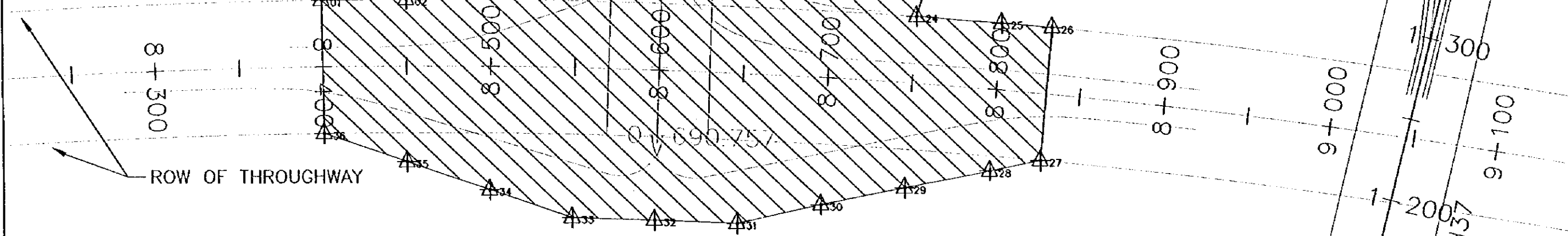


LAND AREA TO BE ACQUIRED

- Note: 1. Details of the interchange is shown in Sheet No. B-4(2/4).
 2. Alignment of the existing SH37 was assumed based on the topo-survey.
 3. Stationing of the existing SH37 was assumed as STA. 1+000 at the entrance of Belwa village.

Note: 1. "A" is space for O/M station.

PROPOSED BAREILLY BYPASS



SCHEDULE OF RIGHT-OF-WAY AT INTERCHANGE SH-37

No.	Station of Bypass	Offset (m)	Northing	Easting	Remarks
1	8+400	-40.000	3147245.5767	346071.5918	
2	8+450	-40.000	3147245.8892	346122.0808	
3	8+500	-55.000	3147260.5692	346172.7218	
4	8+550	-75.000	3147280.0895	346223.9691	
5	8+570.742	-101.733	3147305.7462	346245.8888	(STA. 0+550, R30)
24	8+750	-40.000	3147234.5131	346424.8059	
25	8+800	-40.000	3147230.4113	346475.1387	
26	8+830	-40.000	3147227.6484	346505.3124	
27	8+830	40.000	3147147.7178	346497.6910	
28	8+800	49.044	3147141.7090	346487.3518	
29	8+750	63.051	3147131.7523	346417.0779	
30	8+700	76.349	3147121.8845	346367.1514	
31	8+650	90.000	3147110.8905	346317.5007	
32	8+600	90.000	3147113.1311	346268.6729	
33	8+550	90.000	3147114.6812	346219.8222	
34	8+500	74.087	3147131.4925	346171.1560	
35	8+450	57.425	3147148.4840	346122.0845	
36	8+400	40.000	3147165.5829	346072.5868	

Note: () is value of the proposed Rampway from SH37

No.	Station of Rampway	Offset (m)	Northing	Easting	Remarks
5	0+550	30.000	3147305.7462	346245.8888	
6	0+500	30.000	3147364.1107	346254.2667	
7	0+450	30.000	3147417.2827	346303.1924	
8	0+400	30.000	3147425.3424	346368.6679	
9	0+350	30.000	3147420.9844	346416.9117	
10	0+300	30.000	3147416.8119	346469.7202	
11	0+250	30.000	3147412.2394	346518.5286	
12	0+200	30.000	3147407.8669	346566.3371	
13	0+150	30.000	3147403.4943	346616.1455	
14	0+100	30.000	3147399.1218	346665.9539	
15	0+050	30.000	3147394.7493	346715.7624	
16	0+025.879	30.000	3147392.6399	346739.7912	(STA. 1+469.193, L30)
17	0+034.778	-30.000	3147333.6480	346725.6795	(STA. 1+408.537, L30)
18	0+050	-30.000	3147334.9792	346710.5154	
19	0+100	-30.000	3147339.3517	346660.7069	
20	0+150	-30.000	3147343.7242	346610.8985	
21	0+200	-30.000	3147348.0967	346561.0900	
22	0+250	-30.000	3147352.4693	346511.2816	
23	0+300	-30.000	3147356.8418	346461.4731	
24	0+614.464	-151.466	3147234.5131	346424.8059	((STA. 8+750, L40))

Note: () is value of the existing SH37

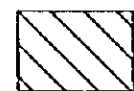
(()) is value of the throughway of the proposed Bareilly Bypass

Coordinates for Land Acquisition in Bareilly Bypass							
STA	Right Offset 40 m		Centreline		Left Offset 40 m		
	Northing	Easting	Northing	Easting	Northing	Easting	
	See Drawing No. D-3 for the Interchange at Existing SH37						
8 +	830	3,147,227.6484	346,505.3124	3,147,187.8290	346,501.5156	3,147,147.7176	346,497.6910
8 +	900	3,147,140.8284	346,566.6449	3,147,180.5753	346,571.1379	3,147,220.3221	346,575.6308
9 +	000	3,147,128.4798	346,664.8691	3,147,168.1019	346,670.3543	3,147,207.7241	346,675.8394
9 +	100	3,147,113.6797	346,762.7540	3,147,153.1523	346,769.2279	3,147,192.6250	346,775.7018
9 +	200	3,147,096.4373	346,860.2383	3,147,135.7358	346,867.6969	3,147,175.0343	346,875.1554
9 +	300	3,147,076.7635	346,957.2611	3,147,115.8633	346,965.6997	3,147,154.9630	346,974.1383
9 +	400	3,147,054.6705	347,053.7618	3,147,093.5471	347,063.1752	3,147,132.4237	347,072.5886
9 +	500	3,147,030.1722	347,149.6801	3,147,068.8013	347,160.0624	3,147,107.4304	347,170.4446
9 +	600	3,147,003.2838	347,244.9561	3,147,041.6413	347,256.3007	3,147,079.9988	347,267.6453
9 +	700	3,146,974.0221	347,339.5301	3,147,012.0841	347,351.8300	3,147,050.1460	347,364.1299
9 +	800	3,146,942.4055	347,433.3431	3,146,980.1481	347,446.5906	3,147,017.8907	347,459.8381
9 +	900	3,146,908.4537	347,526.3364	3,146,945.8534	347,540.5233	3,146,983.2530	347,554.7101
10 +	000	3,146,872.1879	347,618.4520	3,146,909.2212	347,633.5693	3,146,946.2546	347,648.6867
10 +	100	3,146,833.6308	347,709.6323	3,146,870.2747	347,725.6706	3,146,906.9185	347,741.7089
10 +	200	3,146,792.8065	347,799.8202	3,146,829.0380	347,816.7695	3,146,865.2695	347,833.7188
10 +	300	3,146,749.7404	347,888.9595	3,146,785.5369	347,906.8092	3,146,821.3334	347,924.6589
10 +	373.7715	3,146,716.5488	347,954.0140	3,146,752.0100	347,972.5209	3,146,787.4712	347,991.0277
10 +	400	3,146,704.3176	347,977.8727	3,146,740.0447	347,995.8608	3,146,775.7718	348,013.8490
10 +	500	3,146,660.9070	348,070.4049	3,146,697.5778	348,086.3815	3,146,734.2486	348,102.3581
10 +	600	3,146,622.7015	348,165.2049	3,146,660.2028	348,179.1206	3,146,697.7042	348,193.0363
10 +	700	3,146,589.8188	348,261.9800	3,146,628.0350	348,273.7919	3,146,666.2512	348,285.6038
10 +	800	3,146,562.3605	348,360.4317	3,146,601.1736	348,370.1033	3,146,639.9868	348,379.7750
10 +	900	3,146,540.4113	348,460.2562	3,146,579.7016	348,467.7577	3,146,618.9919	348,475.2593
11 +	000	3,146,524.0389	348,561.1454	3,146,563.6851	348,566.4537	3,146,603.3313	348,571.7621

Coordinates for Land Acquisition in Bareilly Bypass							
STA	Right Offset 40 m		Centreline		Left Offset 40 m		
	Northing	Easting	Northing	Easting	Northing	Easting	
	See Drawing No. D-5 for the Interchange at Existing SH33						
11 +	100	3,146,513.2938	348,662.7881	3,146,553.1736	348,665.8868	3,146,593.0534	348,668.9855
11 +	200	3,146,508.2093	348,764.8706	3,146,548.1996	348,765.7502	3,146,588.1899	348,766.6297
11 +	284.3768	3,146,508.3342	348,851.1145	3,146,548.3218	348,850.1191	3,146,588.3094	348,849.1238
11 +	300	3,146,508.6889	348,866.5774	3,146,548.6801	348,865.7382	3,146,588.6713	348,864.8991
11 +	400	3,146,509.5284	348,965.5713	3,146,549.5281	348,965.7320	3,146,589.5278	348,965.8928
11 +	500	3,146,507.8931	349,064.5552	3,146,547.8763	349,065.7158	3,146,587.8595	349,066.8764
11 +	600	3,146,503.7840	349,163.4673	3,146,543.7257	349,165.6270	3,146,583.6673	349,167.7867
11 +	700	3,146,497.2036	349,262.2458	3,146,537.0788	349,265.4032	3,146,576.9540	349,268.5607
11 +	800	3,146,488.1561	349,360.8289	3,146,527.9399	349,364.9821	3,146,567.7237	349,369.1354
11 +	900	3,146,476.6471	349,459.1550	3,146,516.3146	349,464.3015	3,146,555.9822	349,469.4480
12 +	000	3,146,462.6838	349,557.1628	3,146,502.2103	349,563.2992	3,146,541.7368	349,569.4356
12 +	100	3,146,446.2749	349,654.7908	3,146,485.6356	349,661.9134	3,146,524.9964	349,669.0360
12 +	200	3,146,427.4306	349,751.9782	3,146,466.6010	349,760.0825	3,146,505.7714	349,768.1867
12 +	300	3,146,406.1629	349,848.6641	3,146,445.1185	349,857.7450	3,146,484.0740	349,866.8259
12 +	400	3,146,382.4849	349,944.7882	3,146,421.2013	349,954.8401	3,146,459.9177	349,964.8919
12 +	500	3,146,356.4114	350,040.2904	3,146,394.8644	350,051.3069	3,146,433.3175	350,062.3234
12 +	600	3,146,327.9588	350,135.1109	3,146,366.1244	350,147.0852	3,146,404.2900	350,159.0595
12 +	700	3,146,297.1448	350,229.1906	3,146,334.9991	350,242.1152	3,146,372.8535	350,255.0398
12 +	800	3,146,263.9886	350,322.4706	3,146,301.5081	350,336.3375	3,146,339.0276	350,350.2043
12 +	900	3,146,228.5111	350,414.8927	3,146,265.6722	350,429.6931	3,146,302.8334	350,444.4935
13 +	000	3,146,190.7344	350,506.3990	3,146,227.5139	350,522.1237	3,146,264.2935	350,537.8484

PROPOSED BAREILLY BYPASS

ROW OF THROUGHWAY



LAND AREA TO BE ACQUIRED

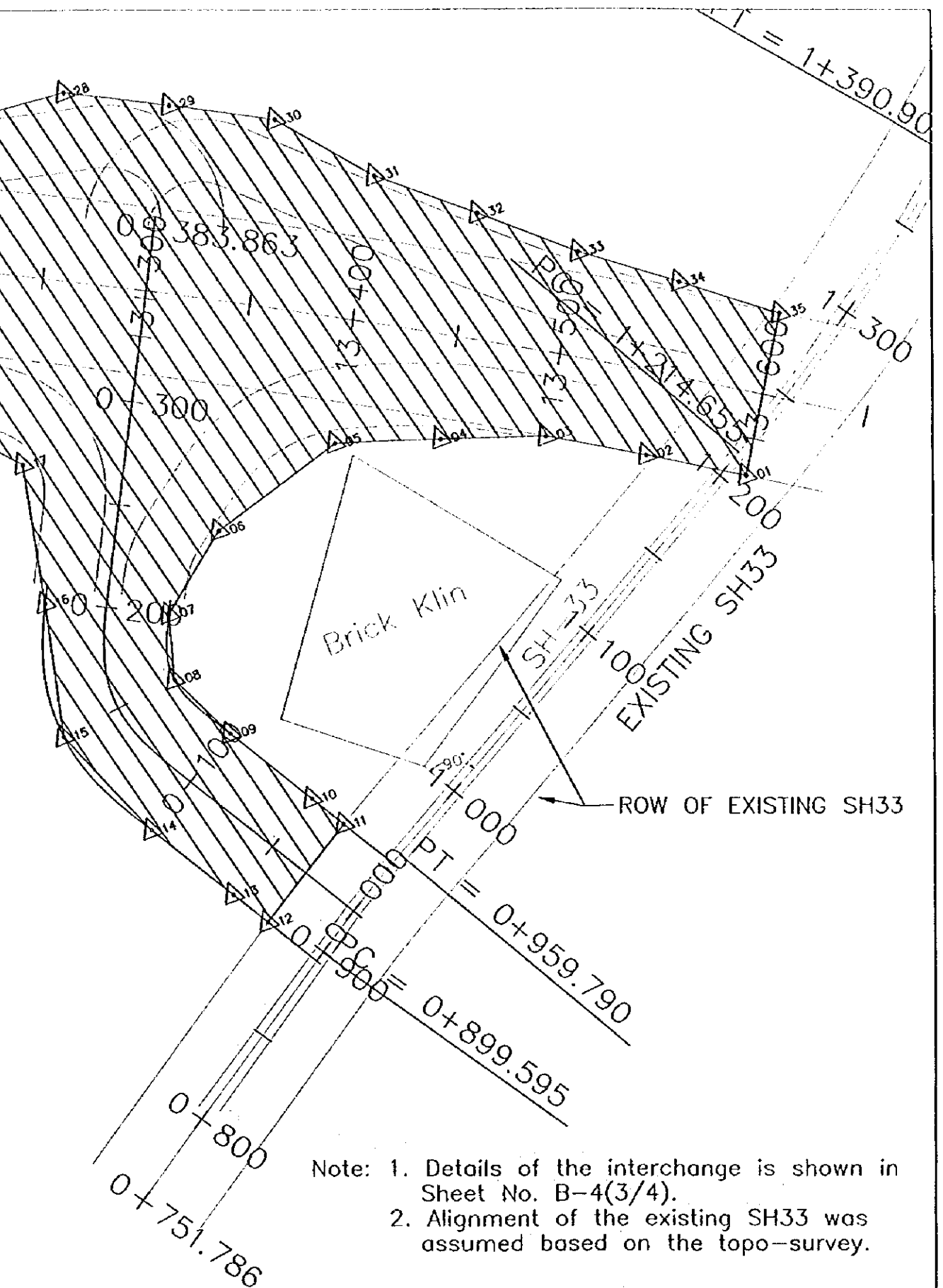
SCHEDULE OF RIGHT-OF-WAY AT INTERCHANGE SH-33

No.	Station of Bypass	Offset (m)	Northing	Easting	Remarks
1	13+600	40.000	3145917.2110	351033.0487	
2	13+550	40.000	3145942.9898	350990.7914	
3	13+500	40.000	3145968.2381	350948.2152	
4	13+450	50.000	3145984.2569	350900.3881	
5	13+400	60.000	3145999.6155	350852.4738	
6	13+350	110.000	3145979.0499	350785.6021	
7	13+331.214	153.258	3145949.4024	350749.2385	(STA. 0+200, R30)
16	13+268.827	155.349	3145975.1924	350695.0461	(STA. 0+200, L30)
17	13+250	90.000	3146041.7349	350708.2957	
18	13+200	70.000	3146081.4183	350673.2789	
19	13+150	60.000	3146111.7282	350633.2703	
20	13+100	50.000	3146141.5883	350592.7726	
21	13+050	45.000	3146166.4188	350549.7680	
22	13+000	40.000	3146190.7344	350508.3990	
23	13+000	-40.000	3146264.2935	350537.8484	
24	13+050	-45.000	3146248.7239	350586.1802	
25	13+100	-50.000	3146232.5257	350634.3705	
26	13+150	-60.000	3146220.2206	350684.5479	
27	13+200	-70.000	3146207.2352	350734.6803	
28	13+250	-90.000	3146202.5000	350789.2582	
29	13+300	-90.000	3146179.2202	350834.7730	
30	13+350	-90.000	3146155.3732	350879.9953	
31	13+400	-70.000	3146113.4499	350915.2570	
32	13+450	-60.000	3146079.9067	350954.7123	
33	13+500	-50.000	3146045.9353	350993.6370	
34	13+550	-45.000	3146015.8284	351034.6037	
35	13+600	-40.000	3145985.2443	351075.1375	

Note: () is value of the proposed Rampway from SH33

No.	Station of Rampway	Offset (m)	Northing	Easting	Remarks
7	767	0+200	3145949.4024	350749.2385	((STA. 13+331.214, R153.258))
8	768	0+150	3145918.8428	350740.6314	
9	769	0+100	3145885.1527	350756.4358	
10	770	0+050	3145842.2781	350782.1806	
11	771	0+30.165	3145825.2885	350782.3657	(STA. 0+954.092, L30)
12	772	0+28.774	3145793.2070	350741.6318	(STA. 0+896.107, L30)
13	773	0+050	3145811.4083	350730.7111	
14	774	0+100	3145854.2830	350704.8863	
15	775	0+150	3145911.5054	350681.0817	
16	776	0+200	3145975.1924	350695.0461	((STA. 13+268.827, R155.349))

Note: () is value of the existing SH33
(()) is value of the throughway of the proposed Bareilly Bypass



Note: 1. Details of the interchange is shown in Sheet No. B-4(3/4).
2. Alignment of the existing SH33 was assumed based on the topo-survey.

STA	Coordinates for Land Acquisition in Bareilly Bypass						
	Right Offset 40 m		Centreline		Left Offset 40 m		
	Northing	Easting	Northing	Easting	Northing	Easting	
See Drawing No. D-5 for the Interchange at Existing SH 33							
13 +	600	3,145,917.2110	351,033.0487	3,145,951.2277	351,054.0931	3,145,985.2443	351,075.1375
13 +	700	3,145,864.0792	351,116.5802	3,145,897.5592	351,138.4683	3,145,931.0392	351,160.3564
13 +	800	3,145,808.8760	351,198.7574	3,145,841.7984	351,221.4756	3,145,874.7208	351,244.1938
13 +	900	3,145,751.6358	351,279.5290	3,145,783.9800	351,303.0630	3,145,816.3242	351,326.5971
14 +	000	3,145,692.3945	351,358.8445	3,145,724.1403	351,383.1797	3,145,755.8861	351,407.5150
14 +	100	3,145,631.1889	351,436.6543	3,145,662.3165	351,461.7755	3,145,693.4440	351,486.8967
14 +	200	3,145,568.0574	351,512.9098	3,145,598.5473	351,538.8013	3,145,629.0372	351,564.6928
14 +	300	3,145,503.0395	351,587.5634	3,145,532.8726	351,614.2090	3,145,562.7058	351,640.8545
14 +	400	3,145,436.1758	351,660.5684	3,145,465.3335	351,687.9514	3,145,494.4912	351,715.3343
14 +	500	3,145,367.5080	351,731.8792	3,145,395.9721	351,759.9824	3,145,424.4362	351,788.0857
14 +	600	3,145,297.0790	351,801.4511	3,145,324.8317	351,830.2571	3,145,352.5845	351,859.0632
14 +	700	3,145,224.9330	351,869.2408	3,145,251.9570	351,898.7316	3,145,278.9809	351,928.2223
14 +	800	3,145,151.1149	351,935.2058	3,145,177.3933	351,965.3629	3,145,203.6716	351,995.5200
14 +	900	3,145,075.6710	351,999.3050	3,145,101.1873	352,030.1095	3,145,126.7035	352,060.9141
15 +	000	3,144,998.6483	352,061.4982	3,145,023.3866	352,092.9309	3,145,048.1248	352,124.3637
15 +	100	3,144,920.0950	352,121.7466	3,144,944.0398	352,153.7879	3,144,967.9846	352,185.8293
15 +	200	3,144,840.0603	352,180.0126	3,144,863.1966	352,212.6424	3,144,886.3330	352,245.2723
15 +	300	3,144,758.5940	352,236.2597	3,144,780.9075	352,269.4577	3,144,803.2209	352,302.6557
15 +	400	3,144,675.7471	352,290.4527	3,144,697.2238	352,324.1982	3,144,718.7004	352,357.9436
15 +	500	3,144,591.5715	352,342.5579	3,144,612.1979	352,376.8297	3,144,632.8242	352,411.1014
15 +	600	3,144,506.1197	352,392.5427	3,144,525.8829	352,427.3193	3,144,545.6461	352,462.0959
15 +	700	3,144,419.4450	352,440.3757	3,144,438.3328	352,475.6355	3,144,457.2205	352,510.8953
15 +	800	3,144,331.6018	352,486.0272	3,144,349.6022	352,521.7481	3,144,367.6026	352,557.4690
15 +	900	3,144,242.6448	352,529.4685	3,144,259.7467	352,565.6282	3,144,276.8486	352,601.7880
16 +	000	3,144,152.6298	352,570.6726	3,144,168.8224	352,607.2485	3,144,185.0150	352,643.8244
16 +	100	3,144,061.6128	352,609.6136	3,144,076.8861	352,646.5829	3,144,092.1593	352,683.5522
16 +	200	3,143,969.6509	352,646.2673	3,143,983.9952	352,683.6068	3,143,998.3396	352,720.9463
16 +	300	3,143,876.8015	352,680.6107	3,143,890.2079	352,718.2972	3,143,903.6144	352,755.9836
16 +	400	3,143,783.1225	352,712.6224	3,143,795.5828	352,750.6322	3,143,808.0430	352,788.6420
16 +	500	3,143,688.6727	352,742.2824	3,143,700.1789	352,780.5918	3,143,711.6851	352,818.9012
16 +	600	3,143,593.5109	352,769.5721	3,143,604.0559	352,808.1571	3,143,614.6008	352,846.7422
16 +	700	3,143,497.6967	352,794.4745	3,143,507.2739	352,833.3111	3,143,516.8510	352,872.1476
16 +	800	3,143,401.2900	352,816.9740	3,143,409.8933	352,856.0378	3,143,418.4966	352,895.1017
16 +	900	3,143,304.3509	352,837.0565	3,143,311.9751	352,876.3232	3,143,319.5992	352,915.5899
17 +	000	3,143,206.9401	352,854.7096	3,143,213.5803	352,894.1546	3,143,220.2205	352,933.5996
17 +	100	3,143,109.1185	352,869.9221	3,143,114.7706	352,909.5208	3,143,120.4227	352,949.1194
17 +	200	3,143,010.9472	352,882.6846	3,143,015.6077	352,922.4122	3,143,020.2681	352,962.1397
17 +	300	3,142,912.4875	352,892.9890	3,142,916.1534	352,932.8207	3,142,919.8194	352,972.6524
17 +	400	3,142,813.8010	352,900.8290	3,142,816.4701	352,940.7399	3,142,819.1392	352,980.6507
17 +	500	3,142,714.9494	352,906.1997	3,142,716.6200	352,946.1648	3,142,718.2906	352,986.1299
17 +	600	3,142,615.9944	352,909.0976	3,142,616.6654	352,949.0920	3,142,617.3365	352,989.0864
17 +	700	3,142,516.9979	352,909.5210	3,142,516.6690	352,949.5197	3,142,516.3400	352,989.5183
17 +	800	3,142,418.0217	352,907.4697	3,142,416.6930	352,947.4476	3,142,415.3644	352,987.4255
17 +	811.3583	3,142,406.7837	352,907.0802	3,142,405.3416	352,947.0542	3,142,403.8994	352,987.0282
17 +	900	3,142,318.1997	352,903.8843	3,142,316.7575	352,943.8582	3,142,315.3153	352,983.8322
18 +	000	3,142,218.2647	352,900.2788	3,142,216.8225	352,940.2528	3,142,215.3803	352,980.2268

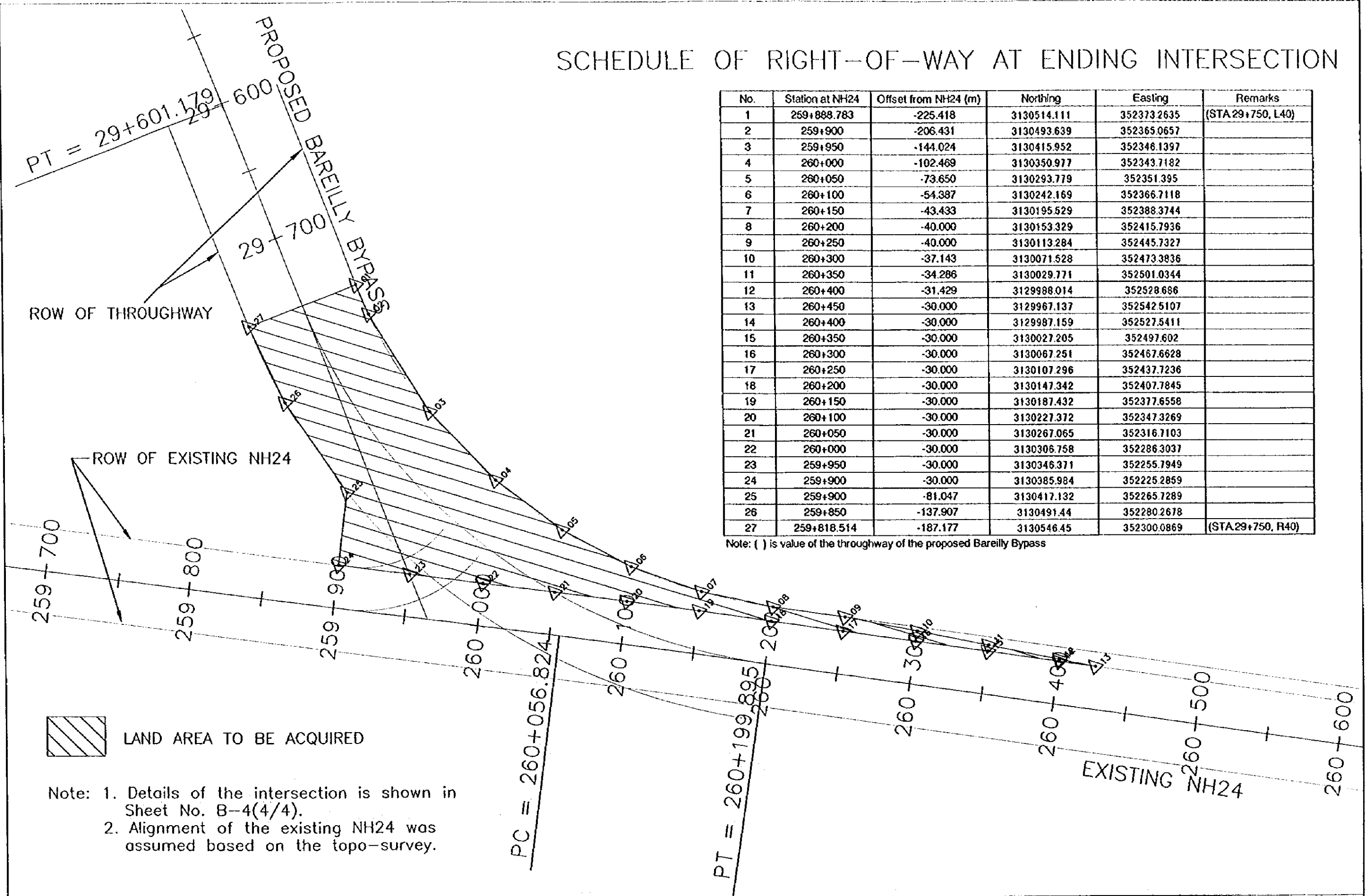
STA	Coordinates for Land Acquisition in Bareilly Bypass						
	Right Offset 40 m		Centreline		Left Offset 40 m		
	Northing	Easting	Northing	Easting	Northing	Easting	
18 +	100	3,142,118.3297	352,896.6733	3,142,116.8875	352,936.6473	3,142,115.4453	352,976.6213
18 +	200	3,142,018.3947	352,893.0678	3,142,016.9525	352,933.0418	3,142,015.5104	352,973.0158
18 +	300	3,141,918.4597	352,889.4624	3,141,917.0176	352,929.4364	3,141,915.5754	352,969.4103
18 +	400	3,141,818.5248	352,885.8569	3,141,817.0826	352,925.8309	3,141,815.6404	352,965.8049
18 +	500	3,141,718.5898	352,882.2514	3,141,717.1476	352,922.2254	3,141,715.7054	352,962.1994
18 +	600	3,141,618.6548	352,878.6459	3,141,617.2126	352,918.6199	3,141,615.7704	352,958.5939
18 +	700	3,141,518.7198	352,875.0405	3,141,517.2776	352,915.0145	3,141,515.8354	352,954.9885
18 +	800	3,141,418.7848	352,871.4350	3,141,417.3426	352,911.4090	3,141,415.9005	352,951.3830
18 +	900	3,141,318.8499	352,867.8295	3,141,317.4077	352,907.8035	3,141,315.9655	352,947.7775
19 +	000	3,141,218.9149	352,864.2241	3,141,217.4727	352,904.1981	3,141,216.0305	352,944.1720
19 +	100	3,141,118.9799	352,860.6186	3,141,117.5377	352,900.5926	3,141,116.0955	352,940.5666
19 +	200	3,141,019.0449	352,857.0131	3,141,017.6027	352,896.9871	3,141,016.1605	352,936.9611
19 +	300	3,140,919.1099	352,853.4076	3,140,917.6677	352,893.3816	3,140,916.2256	352,933.3556
19 +	400	3,140,819.1749	352,849.8022	3,140,817.7328	352,889.7762	3,140,816.2906	352,929.7502
19 +	500	3,140,719.2400	352,846.1967	3,140,717.7978	352,886.1707	3,140,716.3556	352,926.1447
19 +	600	3,140,619.3050	352,842.5912	3,140,617.8628	352,882.5652	3,140,616.4206	352,922.5392
19 +	700	3,140,519.3700	352,838.9858	3,140,517.9278	352,878.9597	3,140,516.4856	352,918.9337
19 +	800	3,140,419.4350	352,835.3803	3,140,417.9928	352,875.3543	3,140,416.5506	352,915.3283
19 +	900	3,140,319.5000	352,831.7748	3,140,318.0579	352,871.7488	3,140,316.6157	352,911.7228
20 +	000	3,140,219.5651	352,828.1693	3,140,218.1229	352,868.1433	3,140,216.6807	352,908.1173
20 +	100	3,140,119.6301	352,824.5639	3,140,118.1879	352,864.5379	3,140,116.7457	352,904.5119
20 +	200	3,140,019.6951	352,820.9584	3,140,018.2529	352,860.9324	3,140,016.8107	352,900.9064
20 +	280.0242	3,139,939.7229	352,818.0731	3,139,938.2807	352,858.0471	3,139,936.8385	352,898.0211
20 +	300	3,139,920.1632	352,817.2696	3,139,918.3219	352,857.2272	3,139,916.4805	352,897.1848
20 +	400	3,139,822.4207	352,810.3133	3,139,818.5845	352,850.1289	3,139,814.7484	352,889.9445
20 +	500	3,139,725.1479	352,798.4805	3,139,719.3267	352,838.0547	3,139,713.5054	352,877.6288
20 +	600	3,139,628.5881	352,781.8009	3,139,620.7963	352,821.0347	3,139,613.0044	352,860.2684
20 +	700	3,139,532.9827	352,760.3162	3,139,523.2397	352,799.1115	3,139,513.4966	352,837.9068
20 +	800	3,139,438.5705	352,734.0801	3,139,426.9007	352,772.3399	3,139,415.2309	352,810.5998
20 +	880.0242	3,139,364.0362	352,709.7060	3,139,350.8453	352,747.4684	3,139,337.6544	352,785.2308
20 +	900	3,139,344.7674	352,703.0829	3,139,331.9543	352,740.9752	3,139,319.1412	352,778.8675
21 +	000	3,139,247.3657	352,672.8383	3,139,236.4624	352,711.3236	3,139,225.5592	352,749.8089
21 +	100	3,139,148.5741	352,647.4996	3,139,139.6079	352,686.4817	3,139,130.6418	352,725.4639
21 +	200	3,139,048.6395	352,627.1300	3,139,041.6329	352,666.5116	3,139,034.6262	352,705.8931
21 +	300	3,138,947.8118	352,611.7805	3,138,942.7822	352,651.4631	3,138,937.7525	352,691.1456
21 +	400	3,138,846.3430	352,601.4895	3,138,843.3029	352,641.3738	3,138,840.2629	352,681.2582
21 +	500	3,138,744.4866	352,596.2827	3,138,743.4437	352,636.2691	3,138,742.4009	352,676.2555
21 +	533.3287	3,138,710.4971	352,595.6796	3,138,710.1207	352,635.6778	3,138,709.7442	352,675.6761
21 +	600	3,138,643.8287	352,595.0522	3,138,643.4523	352,635.0505	3,138,643.0759	352,675.0487
21 +	700	3,138,543.8331	352,594.1112	3,138,543.4567	352,634.1094	3,138,543.0803	352,674.1077
21 +	800	3,138,443.8376	352,593.1702	3,138,443.4612	352,633.1684	3,138,443.0848	352,673.1667
21 +	900	3,138,343.8420	352,592.2292	3,138,343.4656	352,632.2274	3,138,343.0892	352,672.2256
22 +	000	3,138,243.8464	352,591.2882	3,138,243.4700	352,631.2864	3,138,243.0936	352,671.2846

STA	Coordinates for Land Acquisition in Bareilly Bypass					
	Right Offset 40 m		Centreline		Left Offset 40 m	
	Northing	Easting	Northing	Easting	Northing	Easting
22 + 100	3,138,143.8508	352,590.3472	3,138,143.4744	352,630.3454	3,138,143.0980	352,670.3436
22 + 200	3,138,043.8553	352,589.4061	3,138,043.4789	352,629.4044	3,138,043.1025	352,669.4026
22 + 300	3,137,943.8597	352,588.4651	3,137,943.4833	352,628.4634	3,137,943.1069	352,668.4616
22 + 400	3,137,843.8641	352,587.5241	3,137,843.4877	352,627.5223	3,137,843.1113	352,667.5206
22 + 500	3,137,743.8686	352,586.5831	3,137,743.4922	352,626.5813	3,137,743.1157	352,666.5796
22 + 600	3,137,643.8730	352,585.6421	3,137,643.4966	352,625.6403	3,137,643.1202	352,665.6386
22 + 700	3,137,543.8774	352,584.7011	3,137,543.5010	352,624.6993	3,137,543.1246	352,664.6975
22 + 800	3,137,443.8818	352,583.7601	3,137,443.5054	352,623.7583	3,137,443.1290	352,663.7565
22 + 900	3,137,343.8863	352,582.8191	3,137,343.5099	352,622.8173	3,137,343.1335	352,662.8155
23 + 000	3,137,243.8907	352,581.8780	3,137,243.5143	352,621.8763	3,137,243.1379	352,661.8745
23 + 100	3,137,143.8951	352,580.9370	3,137,143.5187	352,620.9353	3,137,143.1423	352,660.9335
23 + 200	3,137,043.8996	352,579.9960	3,137,043.5231	352,619.9942	3,137,043.1467	352,659.9925
23 + 300	3,136,943.9040	352,579.0550	3,136,943.5276	352,619.0532	3,136,943.1512	352,659.0515
23 + 400	3,136,843.9084	352,578.1140	3,136,843.5320	352,618.1122	3,136,843.1556	352,658.1104
23 + 500	3,136,743.9128	352,577.1730	3,136,743.5364	352,617.1712	3,136,743.1600	352,657.1694
23 + 600	3,136,643.9173	352,576.2320	3,136,643.5409	352,616.2302	3,136,643.1645	352,656.2284
23 + 700	3,136,543.9217	352,575.2909	3,136,543.5453	352,615.2892	3,136,543.1689	352,655.2874
23 + 800	3,136,443.9261	352,574.3499	3,136,443.5497	352,614.3482	3,136,443.1733	352,654.3464
23 + 900	3,136,343.9305	352,573.4089	3,136,343.5541	352,613.4071	3,136,343.1777	352,653.4054
24 + 000	3,136,243.9350	352,572.4679	3,136,243.5586	352,612.4661	3,136,243.1822	352,652.4644
24 + 100	3,136,143.9394	352,571.5269	3,136,143.5630	352,611.5251	3,136,143.1866	352,651.5234
24 + 200	3,136,043.9438	352,570.5859	3,136,043.5674	352,610.5841	3,136,043.1910	352,650.5823
24 + 300	3,135,943.9483	352,569.6449	3,135,943.5719	352,609.6431	3,135,943.1954	352,649.6413
24 + 400	3,135,843.9527	352,568.7039	3,135,843.5763	352,608.7021	3,135,843.1999	352,648.7003
24 + 500	3,135,743.9571	352,567.7628	3,135,743.5807	352,607.7611	3,135,743.2043	352,647.7593
24 + 600	3,135,643.9615	352,566.8218	3,135,643.5851	352,606.8201	3,135,643.2087	352,646.8183
24 + 700	3,135,543.9660	352,565.8808	3,135,543.5896	352,605.8790	3,135,543.2132	352,645.8773
24 + 800	3,135,443.9704	352,564.9398	3,135,443.5940	352,604.9380	3,135,443.2176	352,644.9363
24 + 900	3,135,343.9748	352,563.9988	3,135,343.5984	352,603.9970	3,135,343.2220	352,643.9952
25 + 000	3,135,243.9793	352,563.0578	3,135,243.6028	352,603.0560	3,135,243.2264	352,643.0542
25 + 100	3,135,143.9837	352,562.1168	3,135,143.6073	352,602.1150	3,135,143.2309	352,642.1132
25 + 200	3,135,043.9881	352,561.1757	3,135,043.6117	352,601.1740	3,135,043.2353	352,641.1722
25 + 300	3,134,943.9925	352,560.2347	3,134,943.6161	352,600.2330	3,134,943.2397	352,640.2312
25 + 400	3,134,843.9970	352,559.2937	3,134,843.6206	352,599.2919	3,134,843.2442	352,639.2902
25 + 500	3,134,744.0014	352,558.3527	3,134,743.6250	352,598.3509	3,134,743.2486	352,638.3492
25 + 600	3,134,644.0058	352,557.4117	3,134,643.6294	352,597.4099	3,134,643.2530	352,637.4082
25 + 700	3,134,544.0102	352,556.4707	3,134,543.6338	352,596.4689	3,134,543.2574	352,636.4671
25 + 800	3,134,444.0147	352,555.5297	3,134,443.6383	352,595.5279	3,134,443.2619	352,635.5261
25 + 900	3,134,344.0191	352,554.5887	3,134,343.6427	352,594.5869	3,134,343.2663	352,634.5851
26 + 000	3,134,244.0235	352,553.6476	3,134,243.6471	352,593.6459	3,134,243.2707	352,633.6441

STA	Coordinates for Land Acquisition in Bareilly Bypass					
	Right Offset 40 m		Centreline		Left Offset 40 m	
	Northing	Easting	Northing	Easting	Northing	Easting
26 + 100	3,134,144.0280	352,552.7066	3,134,143.6515	352,592.7049	3,134,143.2751	352,632.7031
26 + 200	3,134,044.0324	352,551.7656	3,134,043.6560	352,591.7638	3,134,043.2796	352,631.7621
26 + 300	3,133,944.0368	352,550.8246	3,133,943.6604	352,590.8228	3,133,943.2840	352,630.8211
26 + 400	3,133,844.0412	352,549.8836	3,133,843.6648	352,589.8818	3,133,843.2884	352,629.8800
26 + 500	3,133,744.0457	352,548.9426	3,133,743.6693	352,588.9408	3,133,743.2929	352,628.9390
26 + 600	3,133,644.0501	352,548.0016	3,133,643.6737	352,587.9998	3,133,643.2973	352,627.9980
26 + 700	3,133,544.0545	352,547.0605	3,133,543.6781	352,587.0588	3,133,543.3017	352,627.0570
26 + 800	3,133,444.0589	352,546.1195	3,133,443.6825	352,586.1178	3,133,443.3061	352,626.1160
26 + 900	3,133,344.0634	352,545.1785	3,133,343.6870	352,585.1767	3,133,343.3106	352,625.1750
27 + 000	3,133,244.0678	352,544.2375	3,133,243.6914	352,584.2357	3,133,243.3150	352,624.2340
27 + 100	3,133,144.0722	352,543.2965	3,133,143.6958	352,583.2947	3,133,143.3194	352,623.2929
27 + 200	3,133,044.0767	352,542.3555	3,133,043.7003	352,582.3537	3,133,043.3238	352,622.3519
27 + 300	3,132,944.0811	352,541.4145	3,132,943.7047	352,581.4127	3,132,943.3283	352,621.4109
27 + 400	3,132,844.0855	352,540.4735	3,132,843.7091	352,580.4717	3,132,843.3327	352,620.4699
27 + 500	3,132,744.0899	352,539.5324	3,132,743.7135	352,579.5307	3,132,743.3371	352,619.5289
27 + 600	3,132,644.0944	352,538.5914	3,132,643.7180	352,578.5897	3,132,643.3416	352,618.5879
27 + 700	3,132,544.0988	352,537.6504	3,132,543.7224	352,577.6486	3,132,543.3460	352,617.6469
27 + 800	3,132,444.1032	352,536.7094	3,132,443.7268	352,576.7076	3,132,443.3504	352,616.7059
27 + 900	3,132,344.1077	352,535.7684	3,132,343.7312	352,575.7666	3,132,343.3548	352,615.7648
28 + 000	3,132,244.1121	352,534.8274	3,132,243.7357	352,574.8256	3,132,243.3593	352,614.8238
28 + 100	3,132,144.1165	352,533.8864	3,132,143.7401	352,573.8846	3,132,143.3637	352,613.8828
28 + 200	3,132,044.1209	352,532.9453	3,132,043.7445	352,572.9436	3,132,043.3681	352,612.9418
28 + 300	3,131,944.1254	352,532.0043	3,131,943.7490	352,572.0026	3,131,943.3726	352,612.0008
28 + 400	3,131,844.1298	352,531.0633	3,131,843.7534	352,571.0615	3,131,843.3770	352,611.0598
28 + 500	3,131,744.1342	352,530.1223	3,131,743.7578	352,570.1205	3,131,743.3814	352,610.1188
28 + 600	3,131,644.1386	352,529.1813	3,131,643.7622	352,569.1795	3,131,643.3858	352,609.1777
28 + 700	3,131,544.1431	352,528.2403	3,131,543.7667	352,568.2385	3,131,543.3903	352,608.2367
28 + 787.7584	3,131,456.3886	352,527.4145	3,131,456.0122	352,567.4127	3,131,455.6357	352,607.4109
28 + 800	3,131,444.3927	352,527.2649	3,131,456.0122	352,567.4127	3,131,455.6357	352,607.4109
28 + 900	3,131,346.4834	352,523.2943	3,131,356.0818	352,563.9727	3,131,353.7067	352,603.9021
29 + 000	3,131,248.8949	352,514.4353	3,131,256.4482	352,555.5426	3,131,252.0805	352,595.3034
29 + 100	3,131,151.8711	352,500.7100	3,131,157.3605	352,542.1434	3,131,151.0110	352,581.6362
29 + 200	3,131,055.6546	352,482.1526	3,131,059.0662	352,523.8086	3,131,050.7509	352,562.9347
29 + 300	3,130,960.4858	352,458.8096	3,130,961.8112	352,500.5841	3,130,951.5508	352,539.2457
29 + 400	3,130,866.6025	352,430.7394	3,130,865.8385	352,472.5278	3,130,853.6586	352,510.6284
29 + 500	3,130,774.2396	352,398.0120	3,130,771.3879	352,439.7100	3,130,757.3190	352,477.1542
29 + 600	3,130,683.6277	352,360.7093	3,130,678.6956	352,402.2127	3,130,662.7729	352,438.9069
29 + 601.1789	3,130,682.5709	352,360.2426	3,130,666.4023	352,396.8292	3,130,650.2336	352,433.4157
29 + 700	3,130,592.1828	352,320.2976	3,130,576.0142	352,356.8842	3,130,559.8455	352,393.4707
29 + 750	3,130,546.4500	352,300.0869	3,130,530.2810	352,336.6734	3,130,514.1110	352,373.2635

See Drawing No. D-8 for the Intersection with Existing NH24

SCHEDULE OF RIGHT-OF-WAY AT ENDING INTERSECTION



No.	Station at NH24	Offset from NH24 (m)	Northing	Easting	Remarks
1	259+888.783	-225.418	3130514.111	352373.2635	(STA 29+750, L40)
2	259+900	-206.431	3130493.639	352365.0657	
3	259+950	-144.024	3130415.952	352346.1397	
4	260+000	-102.469	3130350.977	352343.7182	
5	260+050	-73.650	3130293.779	352351.395	
6	260+100	-54.387	3130242.169	352366.7118	
7	260+150	-43.433	3130195.529	352388.3744	
8	260+200	-40.000	3130153.329	352415.7936	
9	260+250	-40.000	3130113.284	352445.7327	
10	260+300	-37.143	3130071.528	352473.3836	
11	260+350	-34.286	3130029.771	352501.0344	
12	260+400	-31.429	3129988.014	352528.686	
13	260+450	-30.000	3129967.137	352542.5107	
14	260+400	-30.000	3129987.159	352527.5411	
15	260+350	-30.000	3130027.205	352497.602	
16	260+300	-30.000	3130067.251	352467.6628	
17	260+250	-30.000	3130107.296	352437.7236	
18	260+200	-30.000	3130147.342	352407.7845	
19	260+150	-30.000	3130187.388	352377.8454	
20	260+100	-30.000	3130227.434	352347.9063	
21	260+050	-30.000	3130267.480	352317.9672	
22	260+000	-30.000	3130306.526	352288.0281	
23	259+950	-30.000	3130346.572	352258.0890	
24	259+900	-30.000	3130385.618	352228.1500	
25	259+900	-81.047	3130417.132	352265.7289	
26	259+850	-137.907	3130491.44	352280.2678	
27	259+818.514	-187.177	3130546.45	352300.0869	(STA 29+750, R40)

Note: () is value of the throughway of the proposed Bareilly Bypass

 LAND AREA TO BE ACQUIRED

- Note: 1. Details of the intersection is shown in Sheet No. B-4(4/4).
 2. Alignment of the existing NH24 was assumed based on the topo-survey.

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

**MINISTRY OF SURFACE TRANSPORT
GOVERNMENT OF INDIA**

**FEASIBILITY STUDY
ON
NATIONAL HIGHWAY BYPASSES
IN
INDIA**

FINAL REPORT

VOLUME II DRAWINGS : PART B - GWALIOR BYPASS

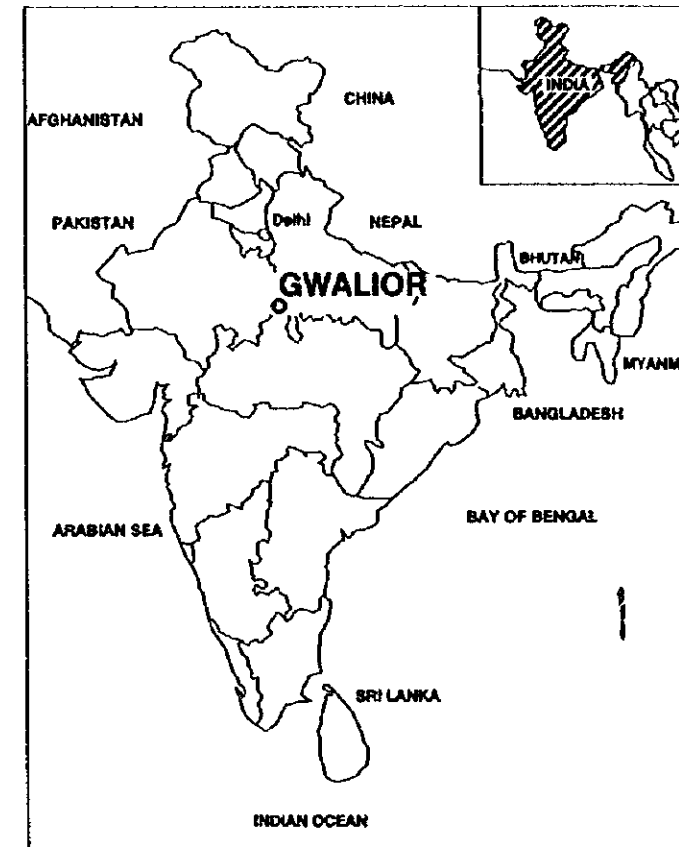
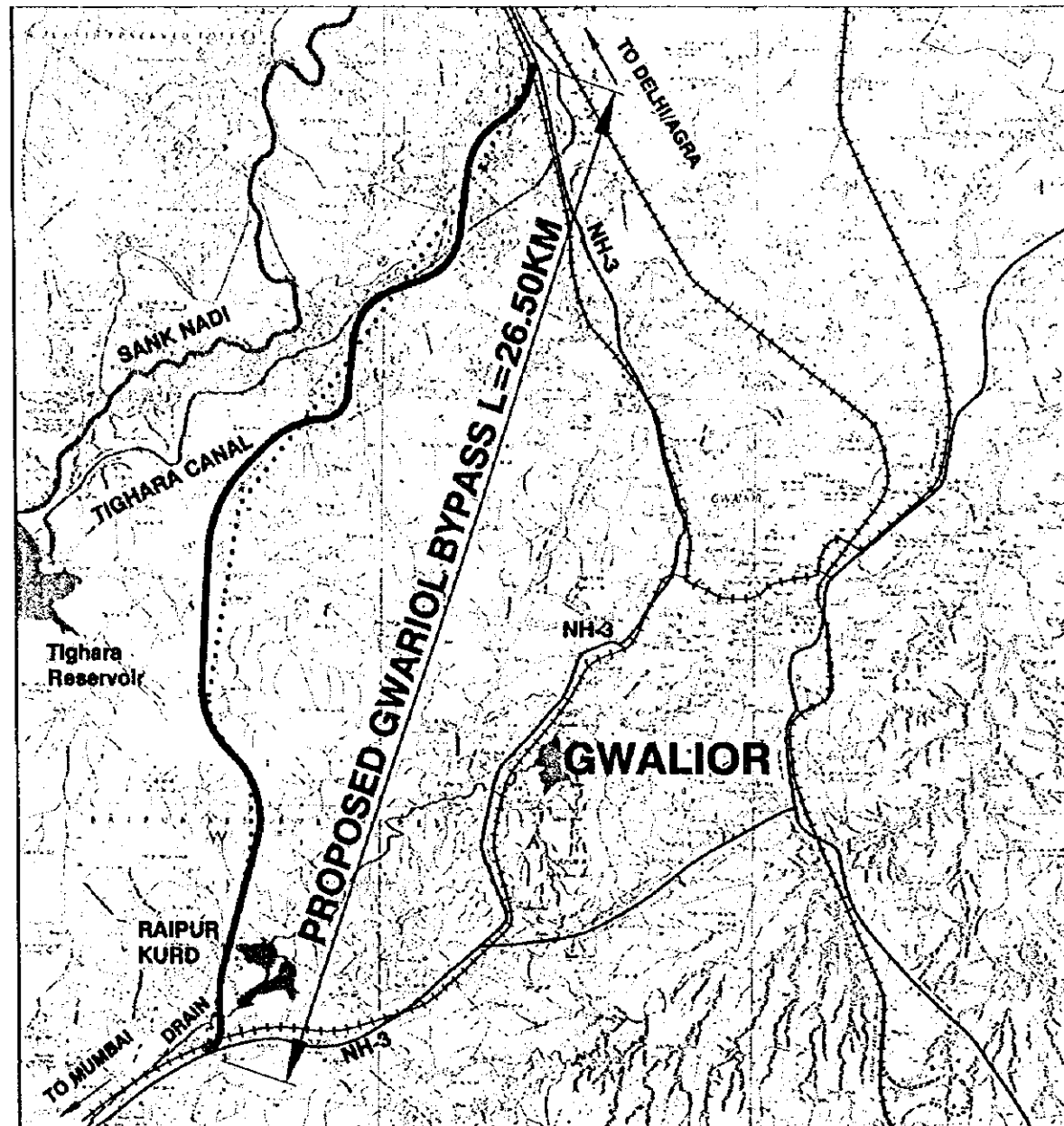
AUGUST - 1998

**Nippon Koei Co., Ltd.
Yachiyo Engineering Co., Ltd.**







DRAWING SCHEDULE

SHEET No.	TITLE OF DRAWING	SHEET No.	TITLE OF DRAWING
COVER			
A.	GENERAL	D.	SCHEDULE OF RIGHT-OF-WAY
A-1	DRAWING SCHEDULE	D-1	SCHEDULE OF RIGHT-OF-WAY (B.P. - STA. 0+200)
A-2	LOCATION MAP	D-2	SCHEDULE OF RIGHT-OF-WAY (STA. 0+200 - 8+000)
		D-3	SCHEDULE OF RIGHT-OF-WAY (STA. 8+100 - 16+000)
B.	HIGHWAY THROUGHWAY (GWALIOR BYPASS)	D-4	SCHEDULE OF RIGHT-OF-WAY (STA. 16+100 - 24+000)
B-1	TYPICAL CROSS SECTION	D-5	SCHEDULE OF RIGHT-OF-WAY (STA. 24+100 - 26+250)
B-2 (1/3)	DESIGN ELEMENTS OF HORIZONTAL ALIGNMENT	D-6	SCHEDULE OF RIGHT-OF-WAY (STA. 26+250 - E.P.)
B-2 (2/3)	DESIGN ELEMENTS OF BEGINNING INTERSECTION (NH-3, AGRA SIDE)		
B-2 (3/3)	DESIGN ELEMENTS OF ENDING INTERSECTION (NH-3, MUMBAI SIDE)		
B-3 (1/16-16/16)	PLAN AND PROFILE		
B-4 (1/2)	GENERAL LAYOUT OF BEGINNING INTERSECTION (NH-3, AGRA SIDE)		
B-4 (2/2)	GENERAL LAYOUT OF ENDING INTERSECTION (NH-3, MUMBAI SIDE)		
C.	STRUCTURAL DESIGN FOR GWALIOR BYPASS		
C-1	RAILWAY OVER BRIDGE	(STA. 26+100)	
C-2	BRIDGE OVER RIVER	(STA. 10+340)	
C-3	BRIDGE OVER RIVER	(STA. 12+720)	
C-4	BRIDGE OVER RIVER	(STA. 25+650)	
C-5	BRIDGE OVER MAJOR CANAL	(STA. 7+760)	
C-6	TYPICAL CULVERT - BOX FOR ROADS		
C-7	TYPICAL CULVERT - BOX FOR WATER CHANNELS		

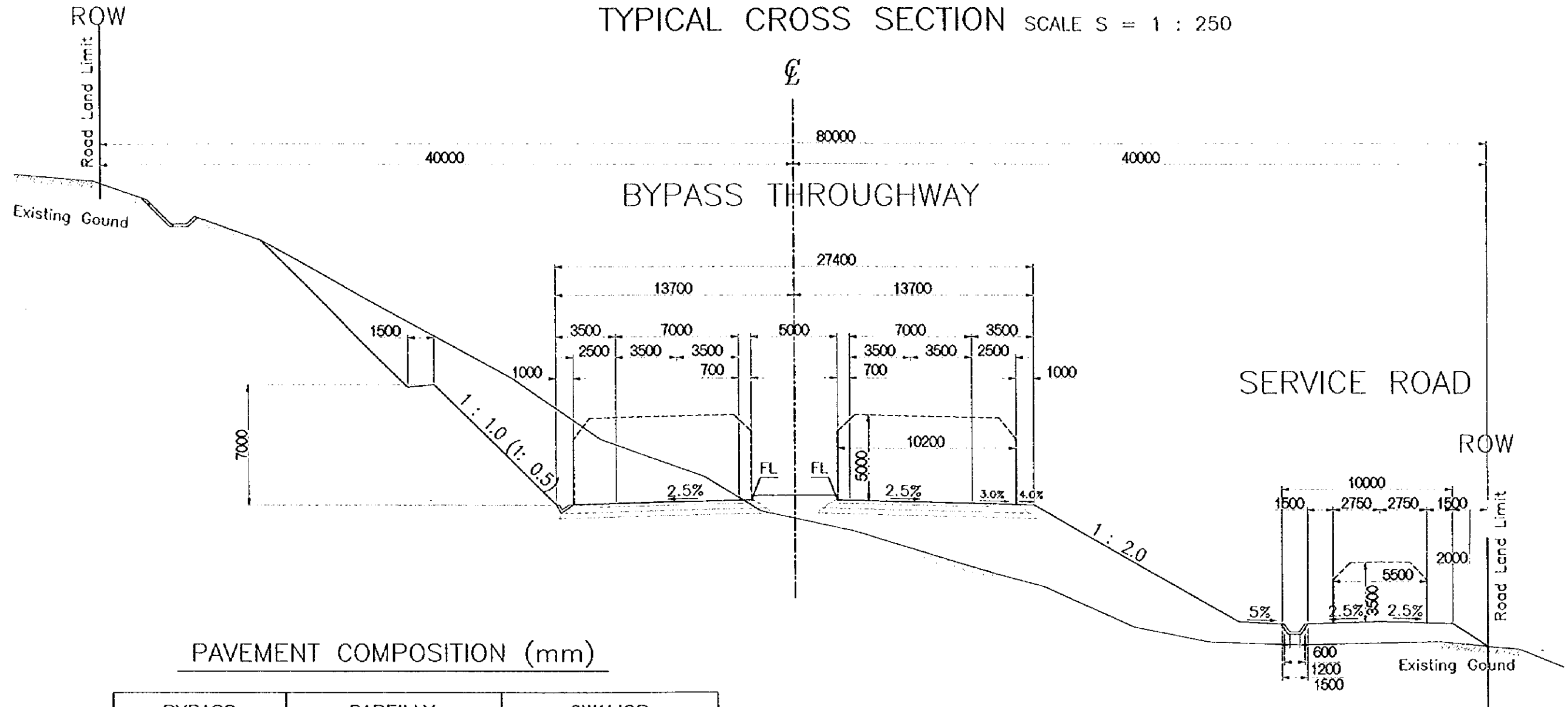
LOCATION MAP OF GWALIOR BYPASS



LEGEND

-  PROPOSED BY JICA STUDY TEAM
-  PROPOSED BY STATE PWD
-  NATIONAL HIGHWAY
-  OTHER ROAD
-  RAILWAY
-  RIVER, CANAL, DRAIN

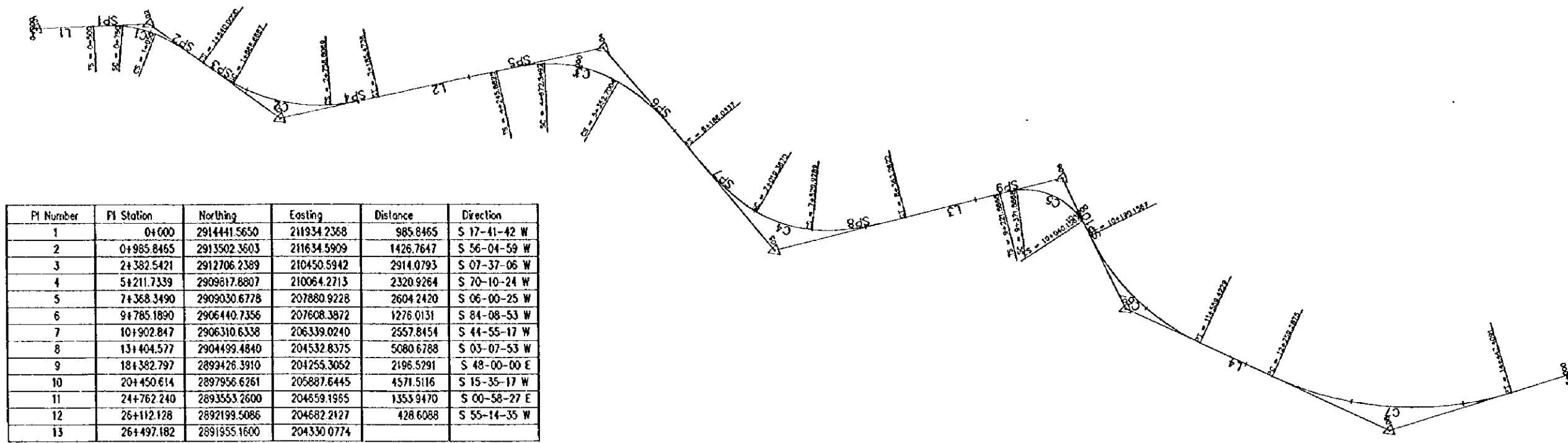
TYPICAL CROSS SECTION SCALE S = 1 : 250



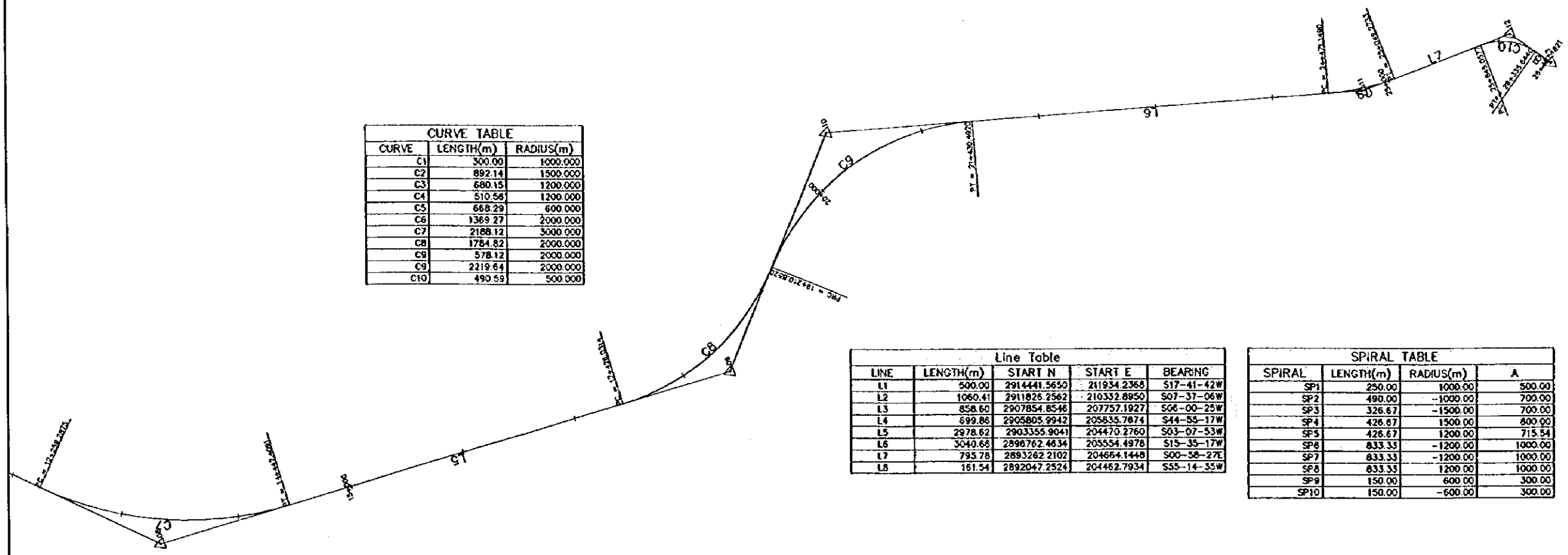
PAVEMENT COMPOSITION (mm)

BYPASS	BAREILLY	GWALIOR
AC	40	40
DBM	160	160
WMM	300	300
GSB	300	300
TOTAL	800	800

NOTE:
1) Cut slope is 1:0.5 in rock section in Gwalior Bypass



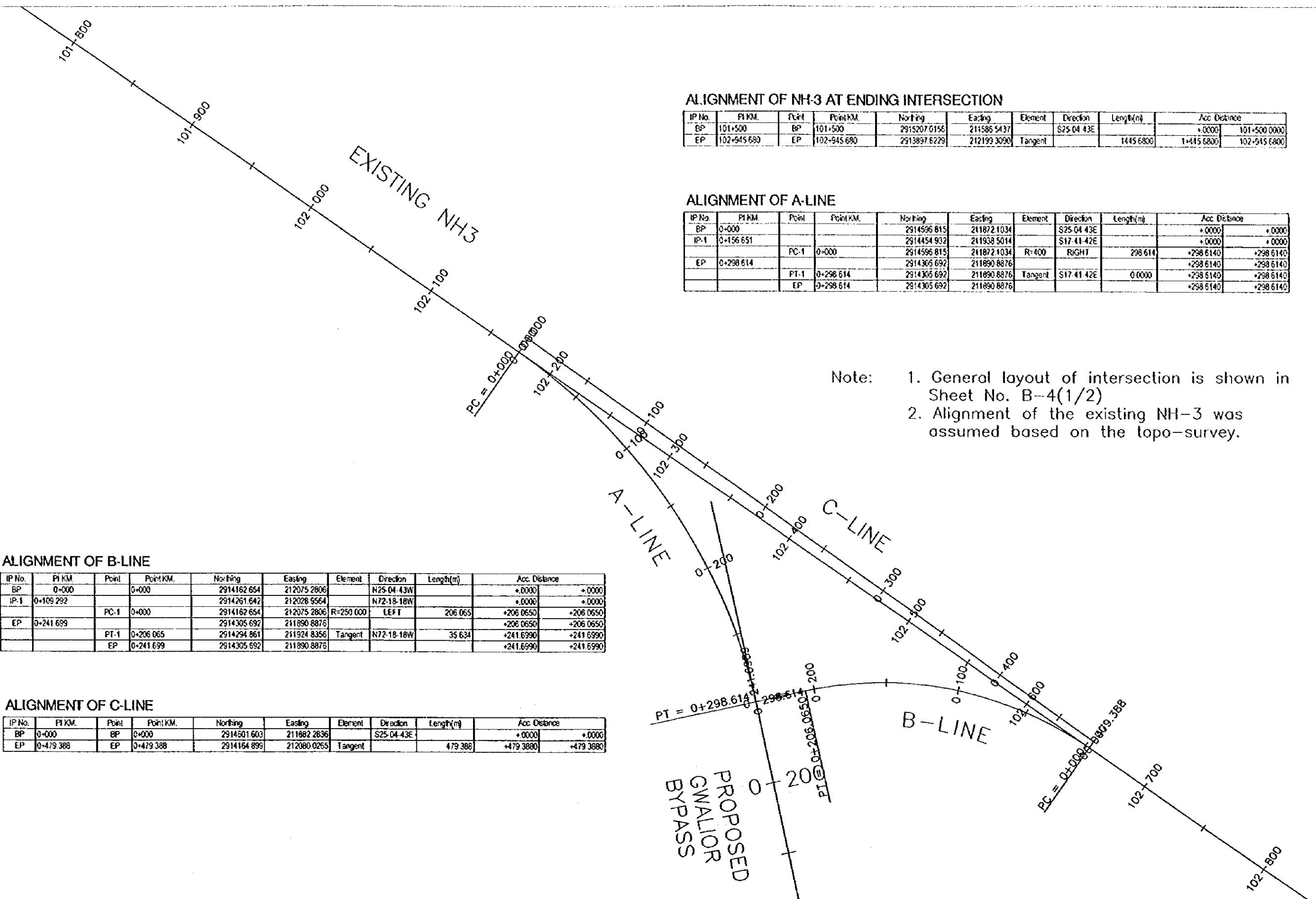
PI Number	PI Station	Northing	Easting	Distance	Direction
1	0+000	2914441.5650	211934.2368	985.8465	S 17-41-42 W
2	0+985.8465	2913502.3603	211634.5909	1426.7647	S 56-04-59 W
3	2+382.5421	2912706.2389	210450.5942	2914.0793	S 07-37-06 W
4	5+211.7339	2909617.8807	210064.2713	2320.9264	S 70-10-24 W
5	7+368.3490	2909030.6778	207880.9228	2604.2420	S 06-00-25 W
6	9+785.1890	2906440.7356	207608.3872	1276.0131	S 84-08-53 W
7	10+902.847	2906310.6338	206339.0240	2557.8154	S 44-55-17 W
8	13+404.577	2904499.4840	204532.8375	5080.6788	S 03-07-53 W
9	18+382.797	2899426.3910	204255.3052	2196.5291	S 48-00-00 E
10	20+450.614	2897956.6261	205887.6445	4571.5116	S 15-35-17 W
11	24+762.240	2893553.2600	204659.1965	1353.9470	S 00-58-27 E
12	26+112.128	2892199.5086	204682.2127	428.6088	S 55-14-35 W
13	26+497.182	2891955.1600	204330.0774		



CURVE	LENGTH(m)	RADIUS(m)
C1	300.00	1000.000
C2	892.14	1500.000
C3	680.15	1200.000
C4	510.56	1200.000
C5	668.29	600.000
C6	1368.27	2000.000
C7	2188.12	3000.000
C8	1784.82	2000.000
C9	578.12	2000.000
C9	2219.64	2000.000
C10	490.59	500.000

LINE	LENGTH(m)	START N	START E	BEARING
L1	500.00	2914441.5650	211934.2368	S17-41-42W
L2	1060.41	2911826.2562	210332.8950	S07-37-06W
L3	858.60	2907854.8546	207757.1927	S06-00-25W
L4	699.86	2905805.9942	205835.7874	S44-55-17W
L5	2978.62	2903355.9041	204470.2760	S03-07-53W
L6	3040.68	2896762.4634	205554.4978	S15-35-17W
L7	795.78	2893262.2102	204664.1449	S00-58-27E
L8	161.54	2892047.2524	204462.7934	S55-14-35W

SPIRAL	LENGTH(m)	RADIUS(m)	A
SP1	250.00	1000.00	500.00
SP2	490.00	-1000.00	700.00
SP3	326.67	-1500.00	700.00
SP4	428.67	1500.00	800.00
SP5	428.67	1200.00	715.54
SP6	833.33	-1200.00	1000.00
SP7	833.33	-1200.00	1000.00
SP8	833.33	1200.00	1000.00
SP9	150.00	600.00	300.00
SP10	150.00	-600.00	300.00



ALIGNMENT OF NH-3 AT ENDING INTERSECTION

IP No.	PI KM.	Point	Point KM.	Northing	Easting	Element	Direction	Length(m)	Acc. Distance
BP	101+500	BP	101+500	2915207.0156	211586.5437		S25-04-43E		+0.0000 101+500.0000
EP	102+945.680	EP	102+945.680	2913897.6229	212199.3090	Tangent		1445.6800	1+445.6800 102+945.6800

ALIGNMENT OF A-LINE

IP No.	PI KM.	Point	Point KM.	Northing	Easting	Element	Direction	Length(m)	Acc. Distance
BP	0+000			2914596.815	211872.1034		S25-04-43E		+0.0000 +0.0000
IP-1	0+156.651			2914454.932	211938.5014		S17-41-42E		+0.0000 +0.0000
		PC-1	0+000	2914596.815	211872.1034	R=400	RIGHT	298.614	+298.6140 +298.6140
EP	0+298.614			2914305.692	211890.8876				+298.6140 +298.6140
		PT-1	0+298.614	2914305.692	211890.8876	Tangent	S17-41-42E	0.0000	+298.6140 +298.6140
		EP	0+298.614	2914305.692	211890.8876				+298.6140 +298.6140

Note: 1. General layout of intersection is shown in Sheet No. B-4(1/2)
 2. Alignment of the existing NH-3 was assumed based on the topo-survey.

ALIGNMENT OF B-LINE

IP No.	PI KM.	Point	Point KM.	Northing	Easting	Element	Direction	Length(m)	Acc. Distance
BP	0+000		0+000	2914162.654	212075.2806		N25-04-43W		+0.0000 +0.0000
IP-1	0+109.292			2914261.642	212028.9564		N72-18-18W		+0.0000 +0.0000
		PC-1	0+000	2914162.654	212075.2806	R=250.000	LEFT	206.0650	+206.0650 +206.0650
EP	0+241.699			2914305.692	211890.8876				+206.0650 +206.0650
		PT-1	0+206.065	2914294.861	211924.8356	Tangent	N72-18-18W	35.634	+241.6990 +241.6990
		EP	0+241.699	2914305.692	211890.8876				+241.6990 +241.6990

ALIGNMENT OF C-LINE

IP No.	PI KM.	Point	Point KM.	Northing	Easting	Element	Direction	Length(m)	Acc. Distance
BP	0+000	BP	0+000	2914501.603	211882.2636		S25-04-43E		+0.0000 +0.0000
EP	0+479.388	EP	0+479.388	2914164.899	212080.0255	Tangent		479.388	+479.3880 +479.3880

ALIGNMENT OF A-LINE

IP No	FKM	Point	Point KM	Northing	Easting	Element	Direction	Length(m)	Acc Distance
BP	0+000			2891986 1553	204515 9047	S80 50 20W			+0000
IP-1	0+050 383			2891978 1337	204466 1848	N34 45 25W			+0050
		PC-1	0+000	2891986 1553	204515 9047	R=80 000	RIGHT	89 925	+89 9250
EP	0+098 251			2892026 3676	204432 8952				+89 9250
		PT-1	0+089 825	2892019 5271	204437 4415	Tangent	N34 45 25A	8 325	+88 2500
		EP	0+098 251	2892026 3676	204432 8952				+88 2500

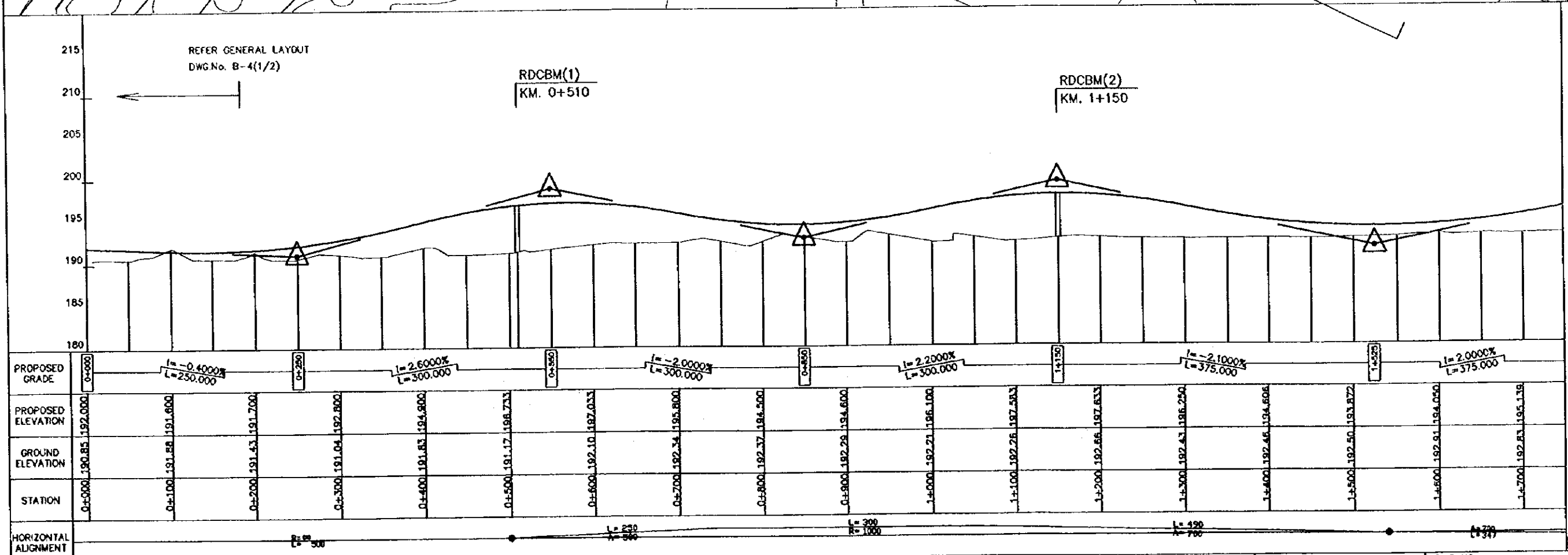
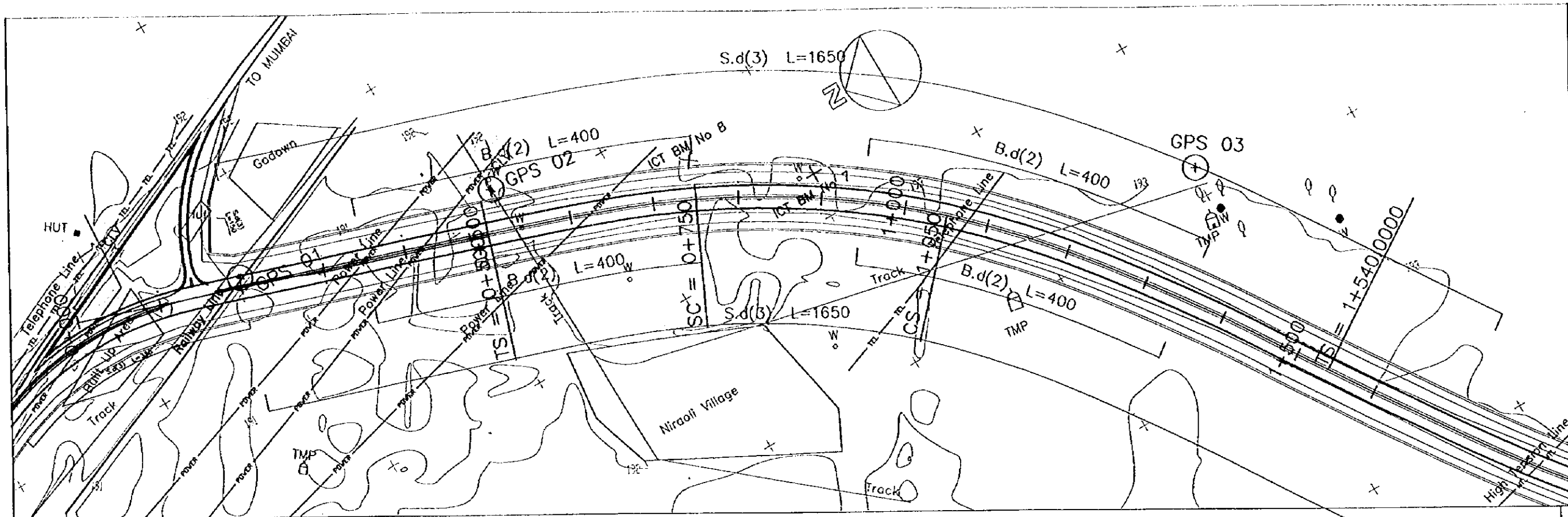
ALIGNMENT OF B-LINE

IP No	FKM	Point	Point KM	Northing	Easting	Element	Direction	Length(m)	Acc Distance
BP	0+000			2891988 9330	204566 1028				+0000
		BP	0+000	2891988 9330	204566 1028	Tangent	N34 45 25W	128 152	+128 1520
IP-1	0+217 273			2891954 3403	204351 8017				+128 1520
		PC-1	0+128 152	2891988 9330	204439 5851	R=501 750	LEFT	176 401	+304 5530
EP	0+314 234			2891905 9818	204265 4447				+304 5530
		PT-1	0+304 553	2891910 7199	204273 8963	Tangent	N34 45 25W	9 681	+314 2340
		EP	0+314 234	2891905 9818	204265 4447				+314 2340

ALIGNMENT OF NH-3 AT ENDING INTERSECTION

IP No	FKM	Point	Point KM	Northing	Easting	Element	Direction	Length(m)	Acc Distance
BP	133+000			2892057 4638	204968 0718	S80 50 20W			+0000
IP-1	133+630 754			2891957 0394	204335 3635	S51 19 39W			+0000
		BP	133+000	2892057 4638	204968 0718	Tangent	S80 50 20W	544 787	+544 7870
		PC-1	133+544 787	2891978 7264	204420 2138	R=500 000	LEFT	170 269	+715 0560
EP	134+500 000			3146000 4464	338428 9048				+715 0560
		PT-1	133+715 056	2891539 1727	203571 248	Tangent	S51 19 39W	784 544	+1+500 0000
		EP	134+500 000	2891539 1727	203571 248				+1+500 0000

- Note:
1. General layout of intersection is shown in Sheet No. B-4(2/2)
 2. Alignment of the existing NH-3 was assumed based on the topo-survey.



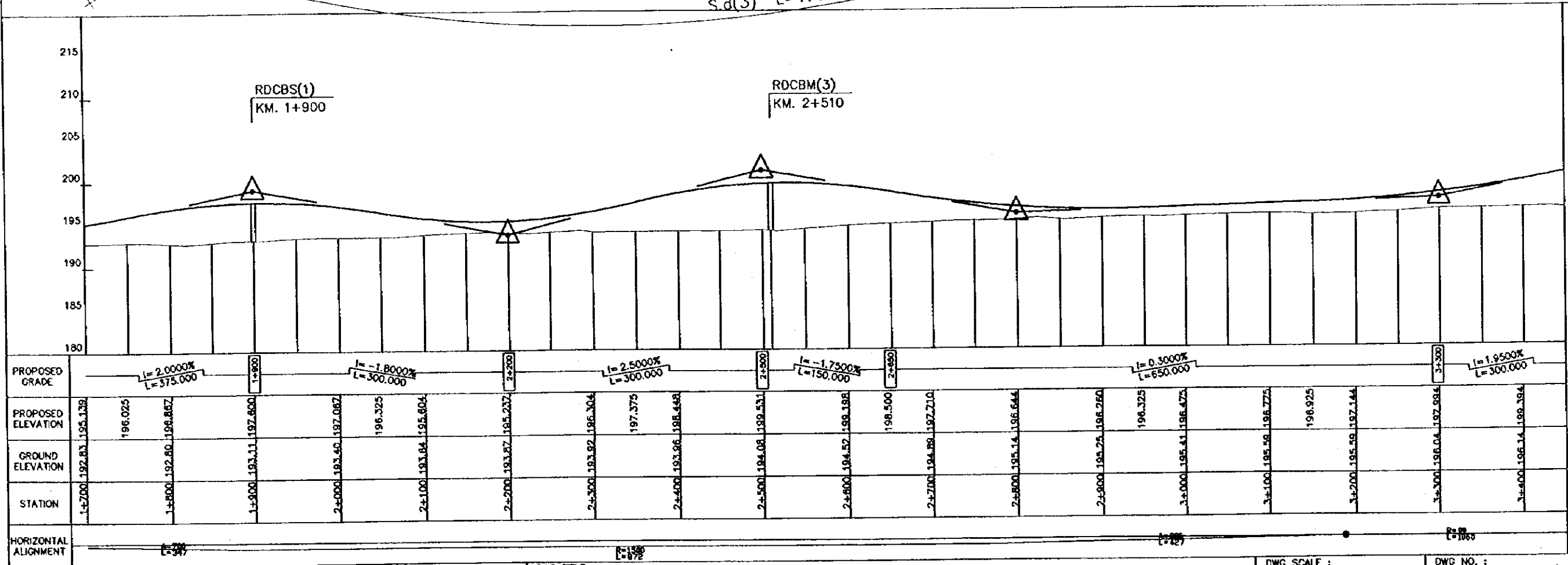
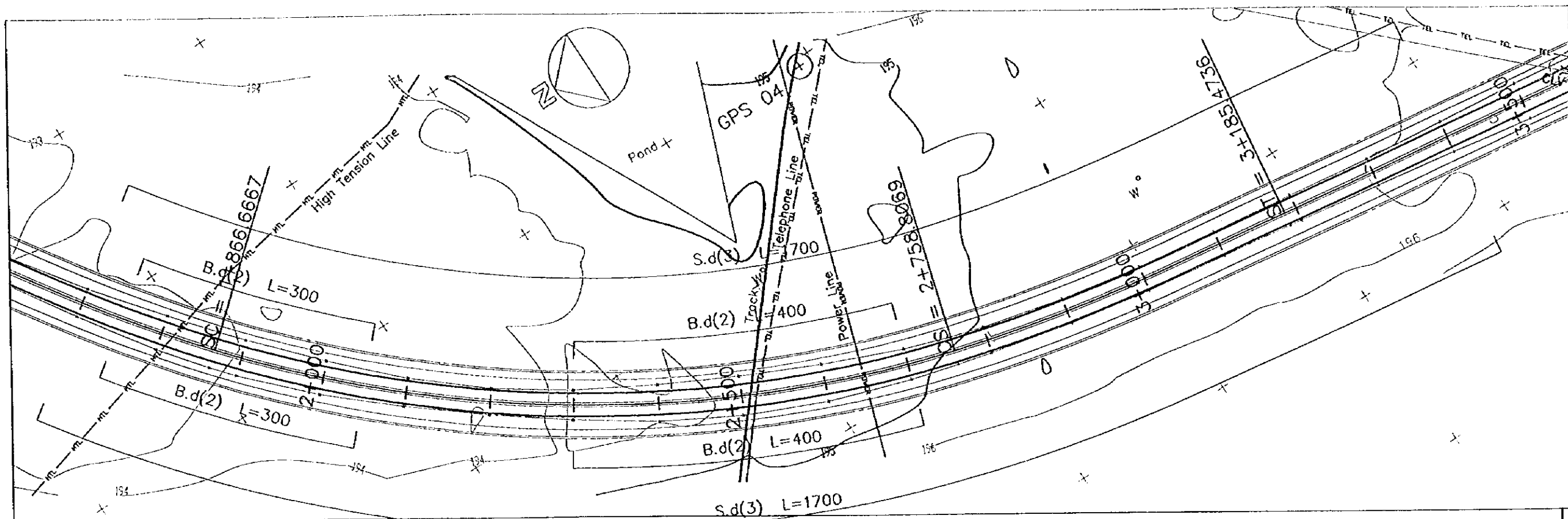
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
THE FEASIBILITY STUDY ON NATIONAL HIGHWAY BYPASSES IN INDIA

DWG TITLE :

PLAN AND PROFILE (KM. 0+000 - 1+700)

DWG SCALE :
H = 1 : 5,000
V = 1 : 500

DWG NO. :
B-3 (1/16)



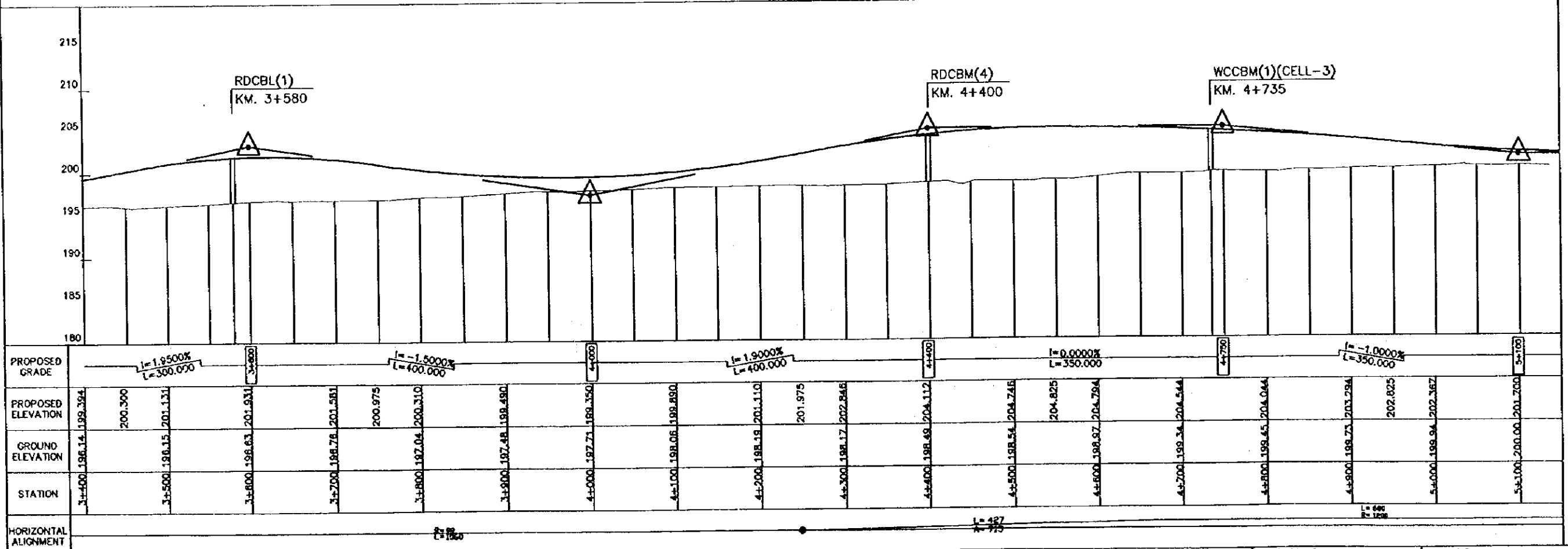
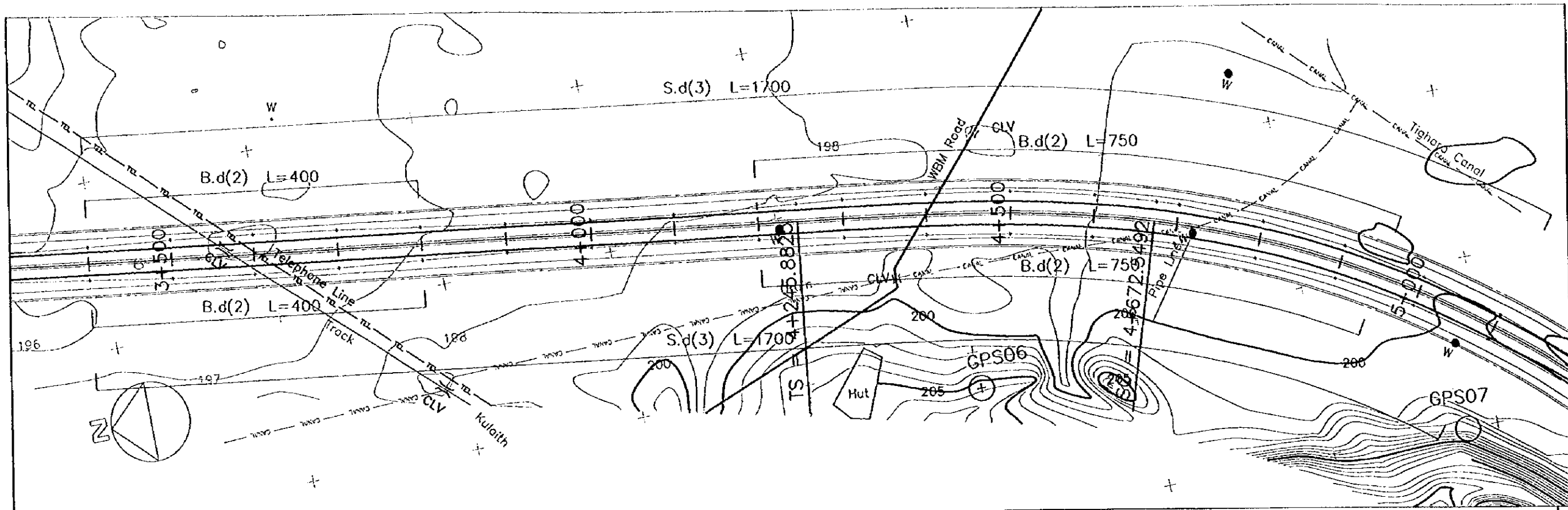
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
THE FEASIBILITY STUDY ON NATIONAL HIGHWAY BYPASSES IN INDIA

DWG TITLE :

PLAN AND PROFILE (KM. 1+700 - 3+400)

DWG SCALE :
H = 1 : 5,000
V = 1 : 500

DWG NO. :
B-3 (2/16)



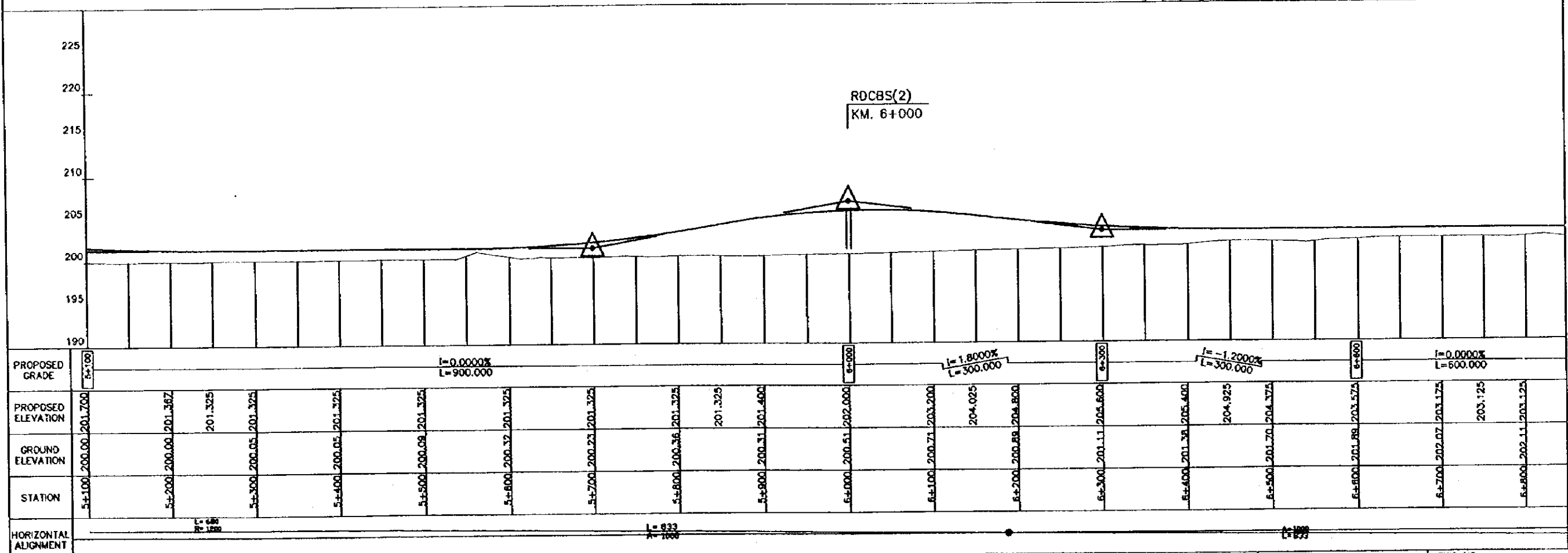
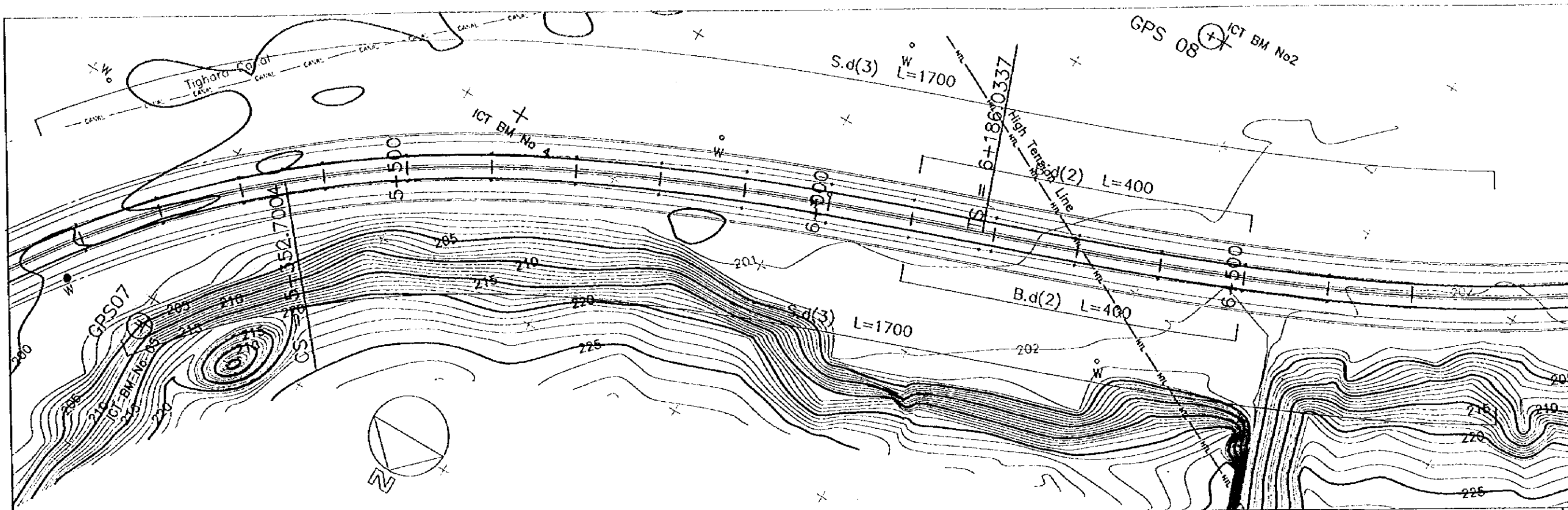
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
THE FEASIBILITY STUDY ON NATIONAL HIGHWAY BYPASSES IN INDIA

DWG TITLE :

PLAN AND PROFILE (KM.3+400 - 5+100)

DWG SCALE :
H = 1 : 5,000
V = 1 : 500

DWG NO. :
B-3 (3/16)



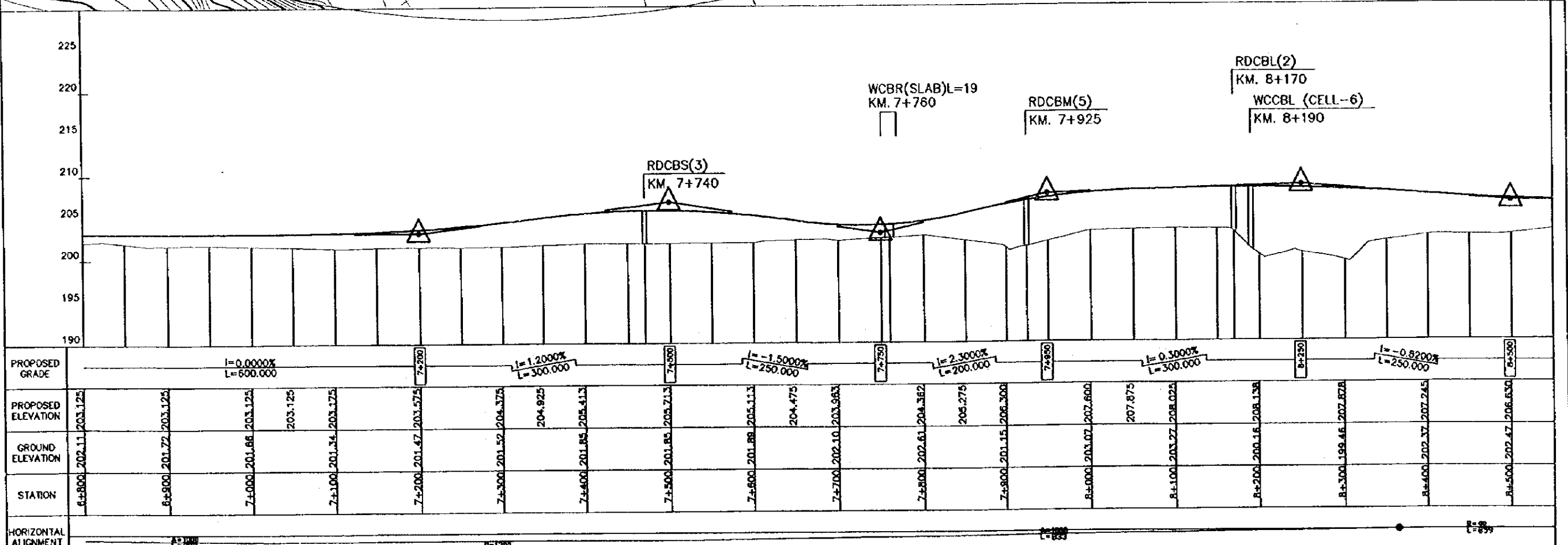
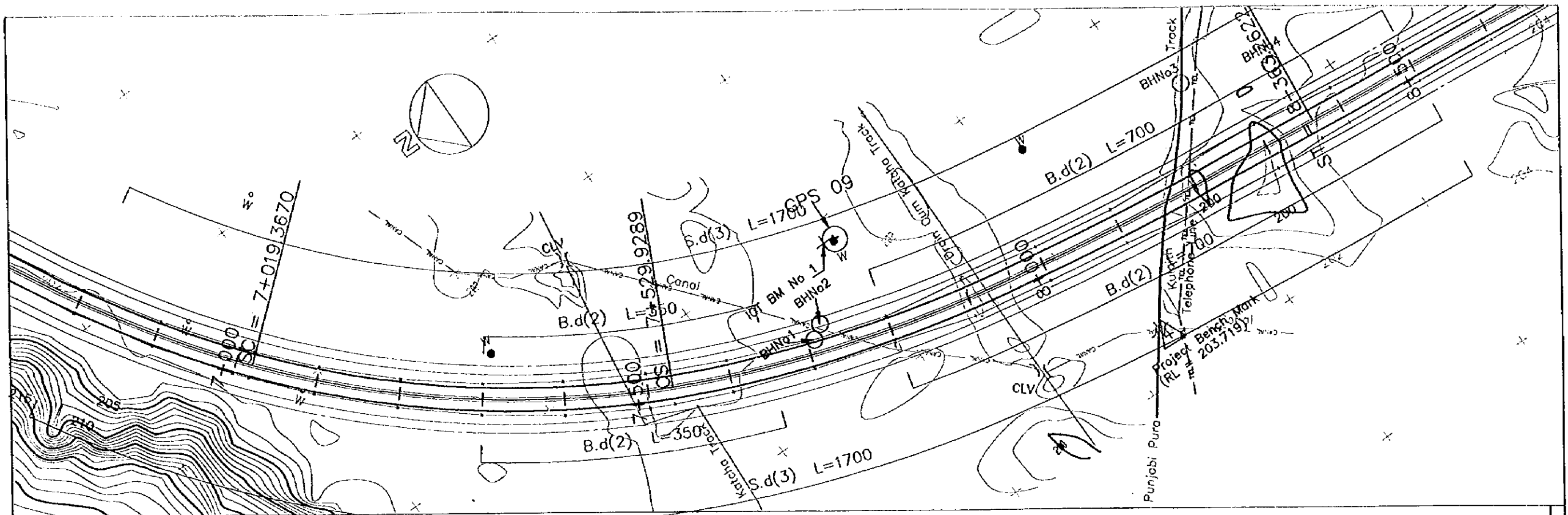
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
THE FEASIBILITY STUDY ON NATIONAL HIGHWAY BYPASSES IN INDIA

DWG TITLE :

PLAN AND PROFILE (KM. 5+100 - 6+800)

DWG SCALE :
H = 1 : 5,000
V = 1 : 500

DWG NO. :
B-3 (4/16)



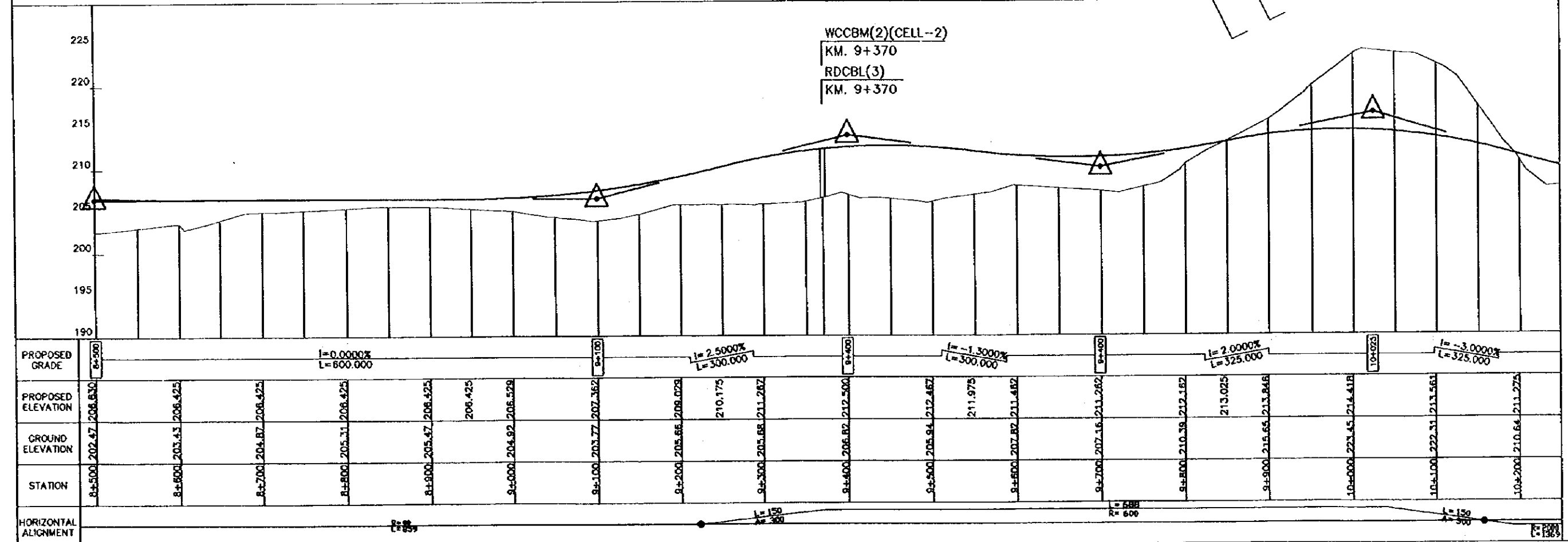
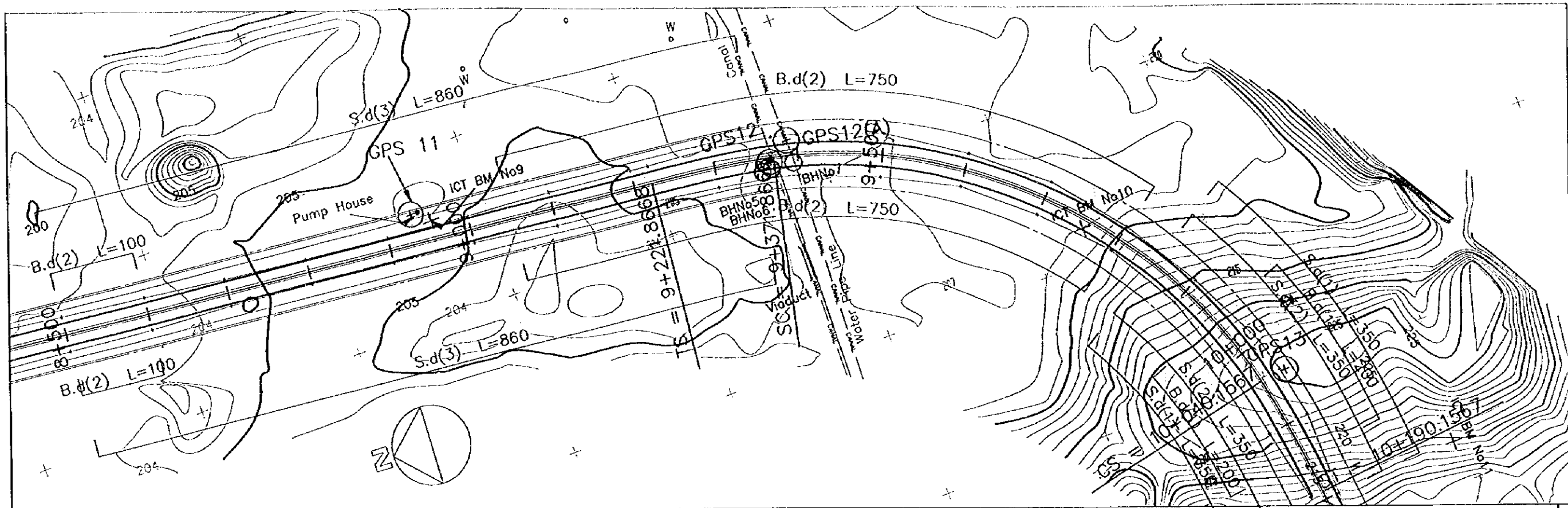
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
THE FEASIBILITY STUDY ON NATIONAL HIGHWAY BYPASSES IN INDIA

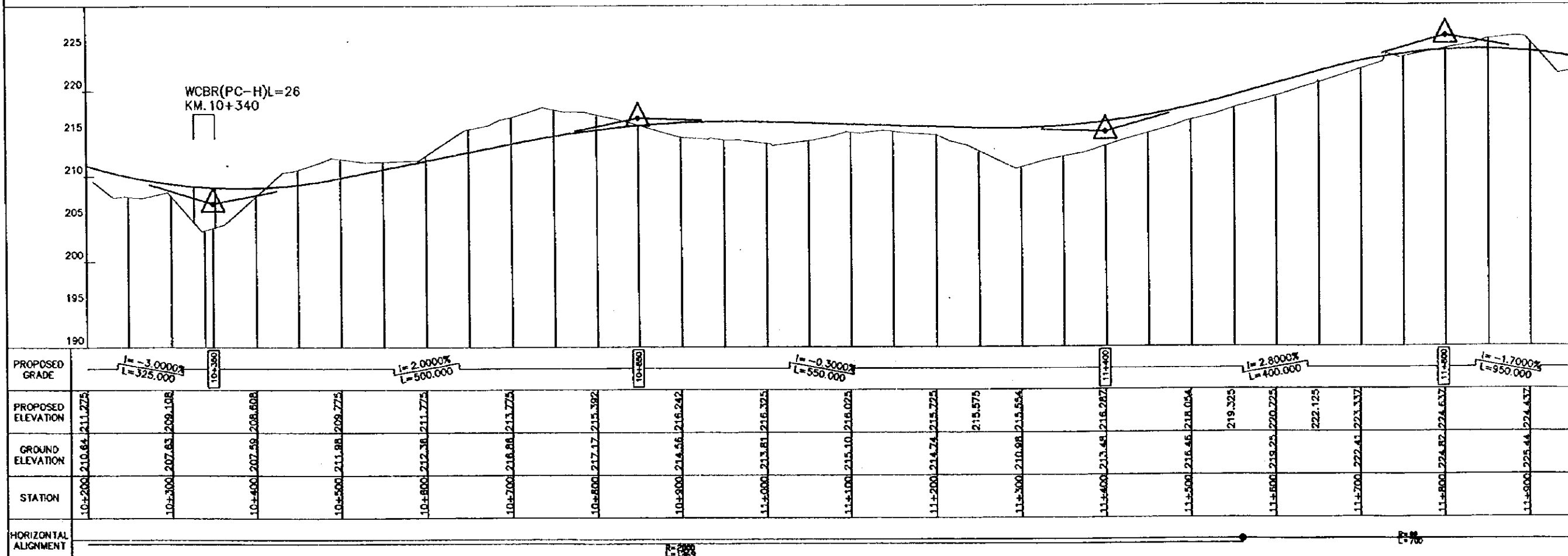
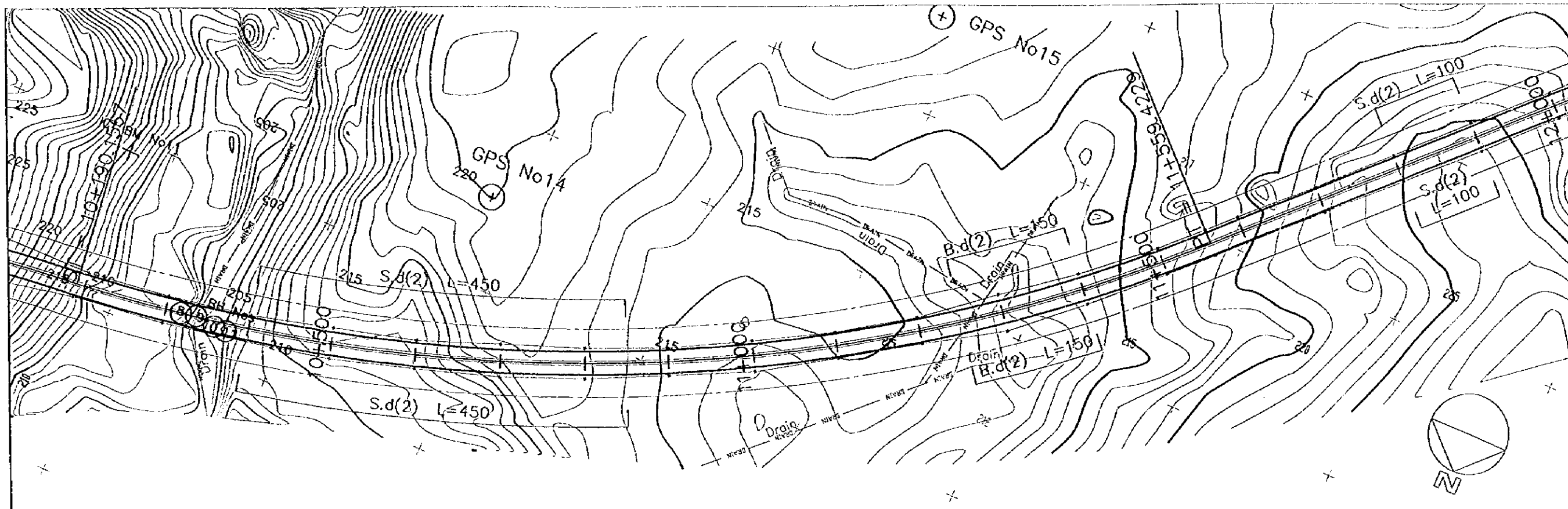
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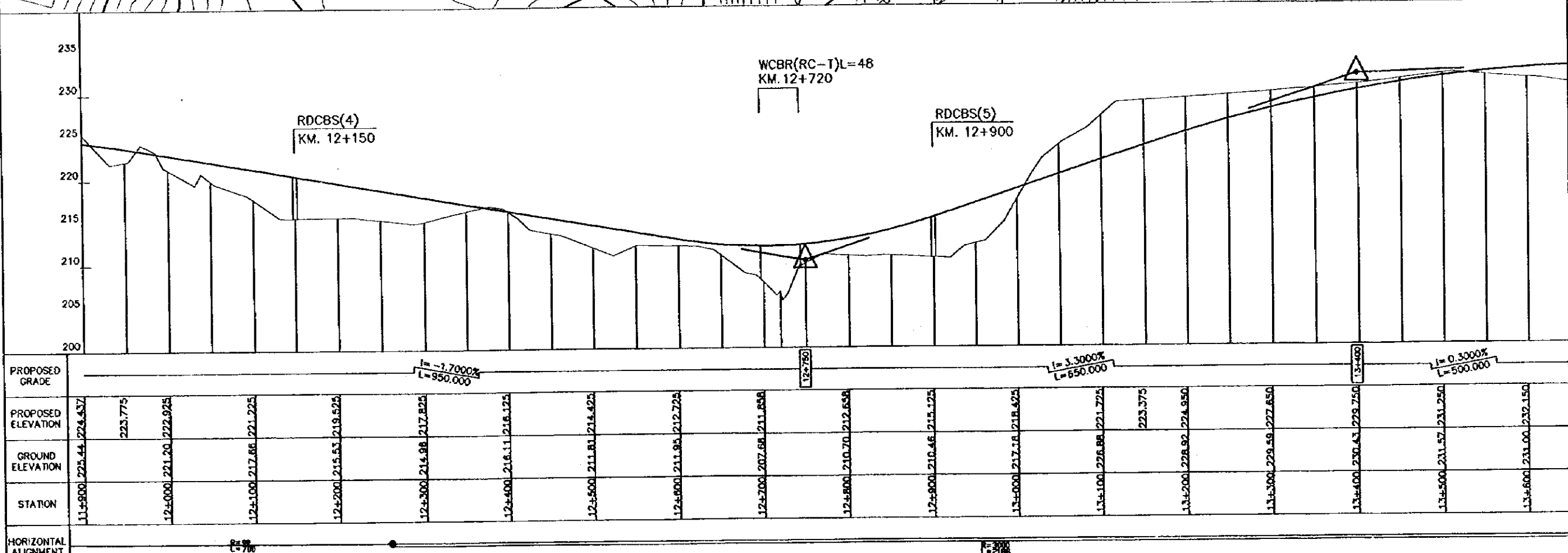
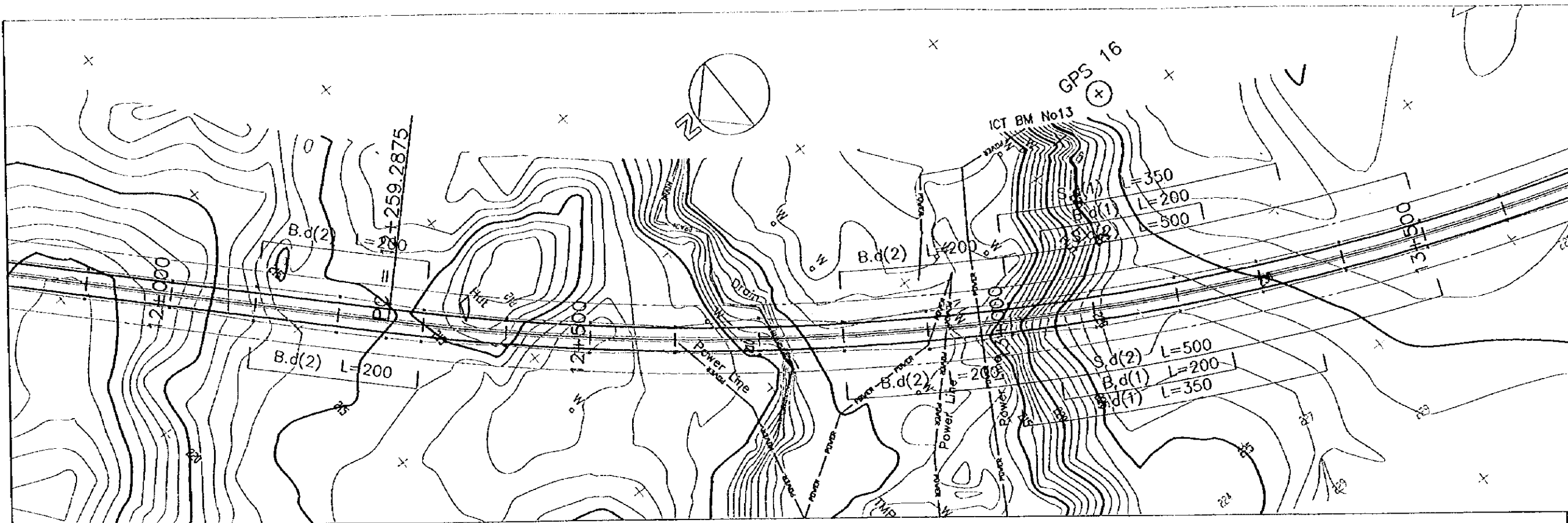
PLAN AND PROFILE (KM. 6+800 - 8+500)

DWG SCALE :
H = 1 : 5,000
V = 1 : 500

DWG NO. :
B-3 (5/16)





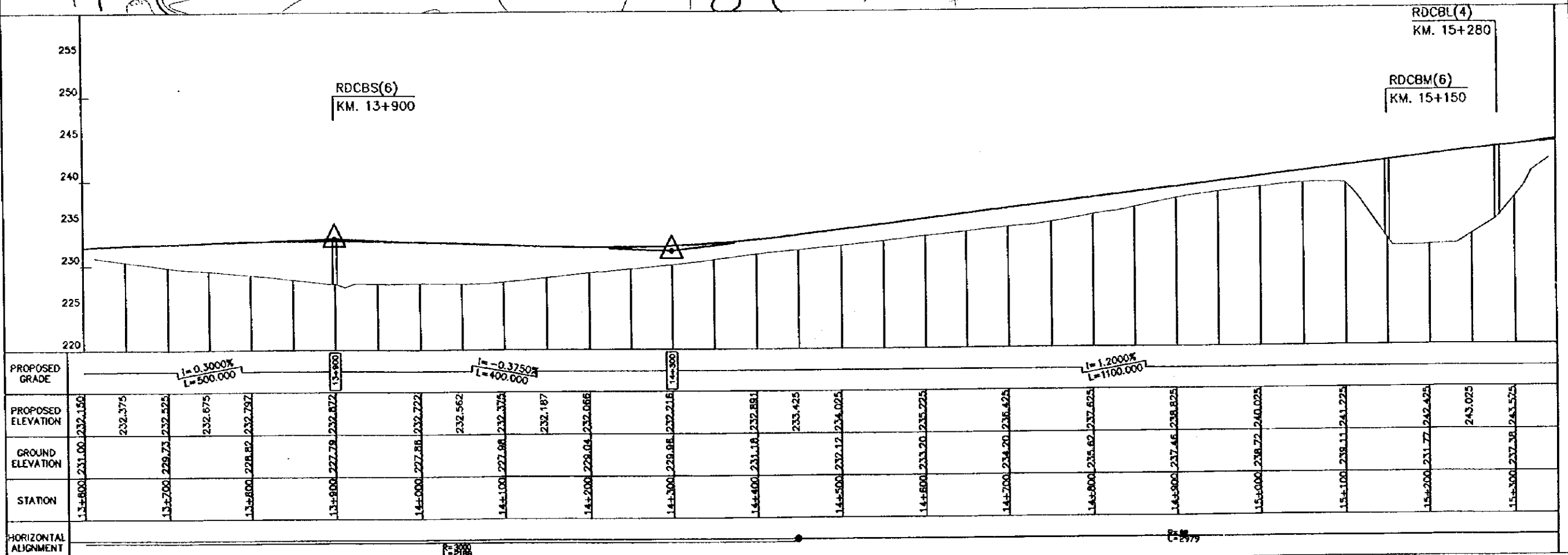
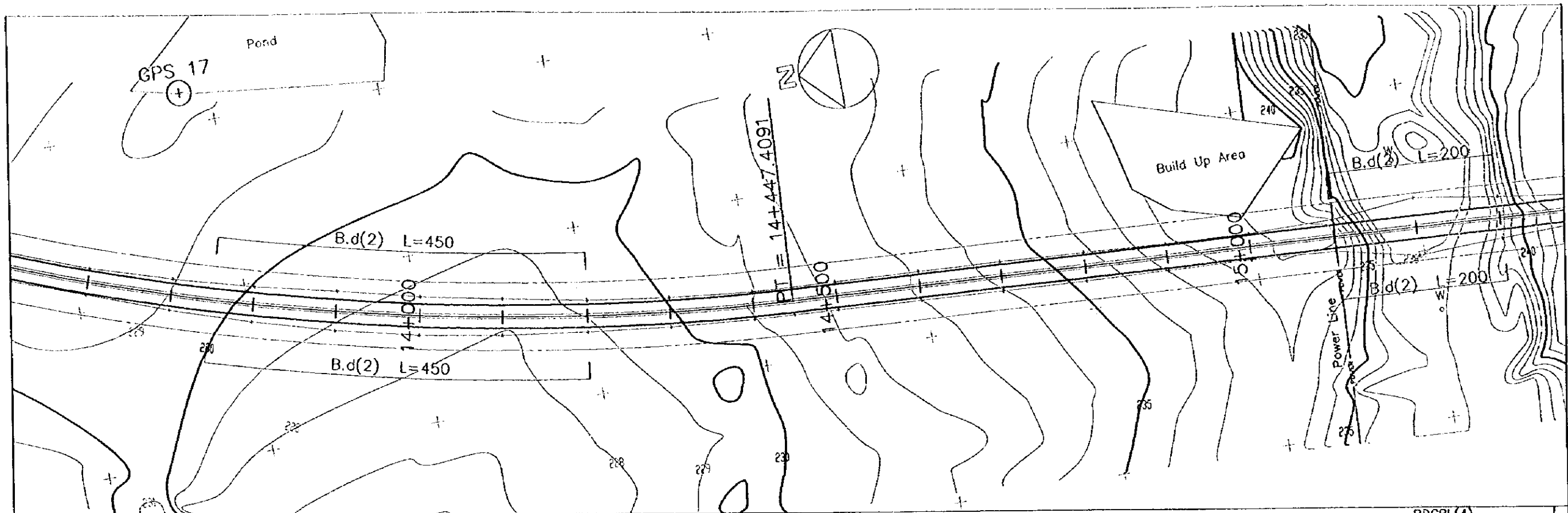


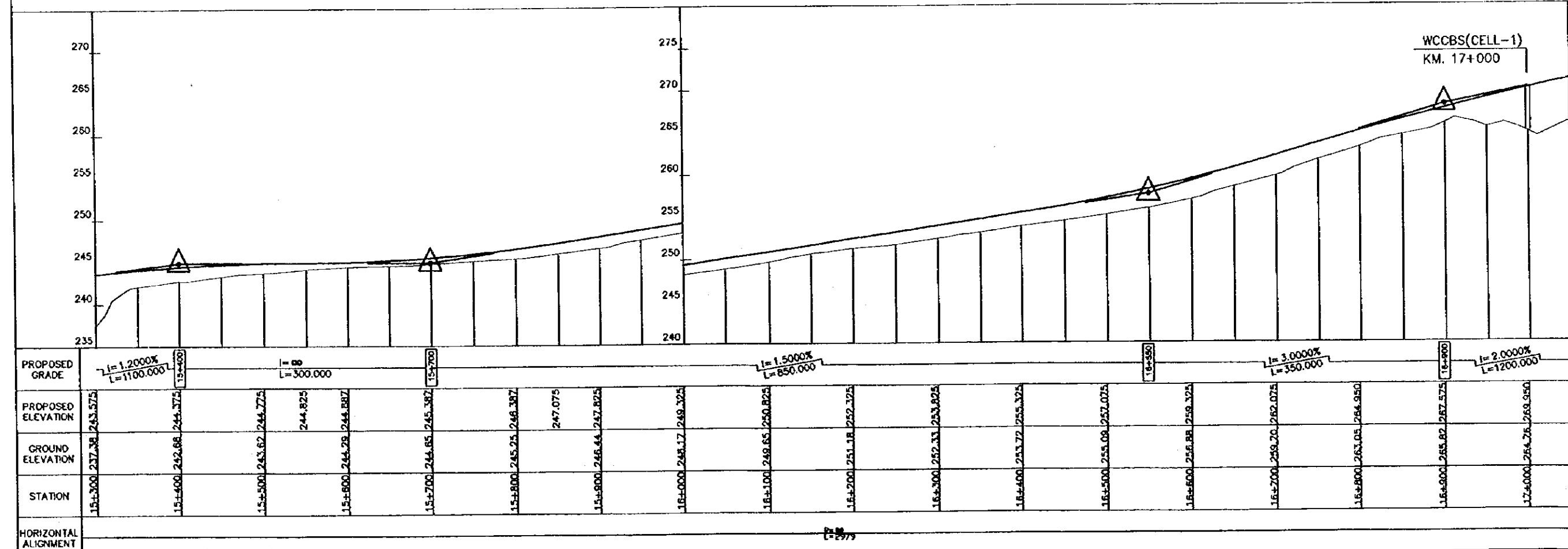
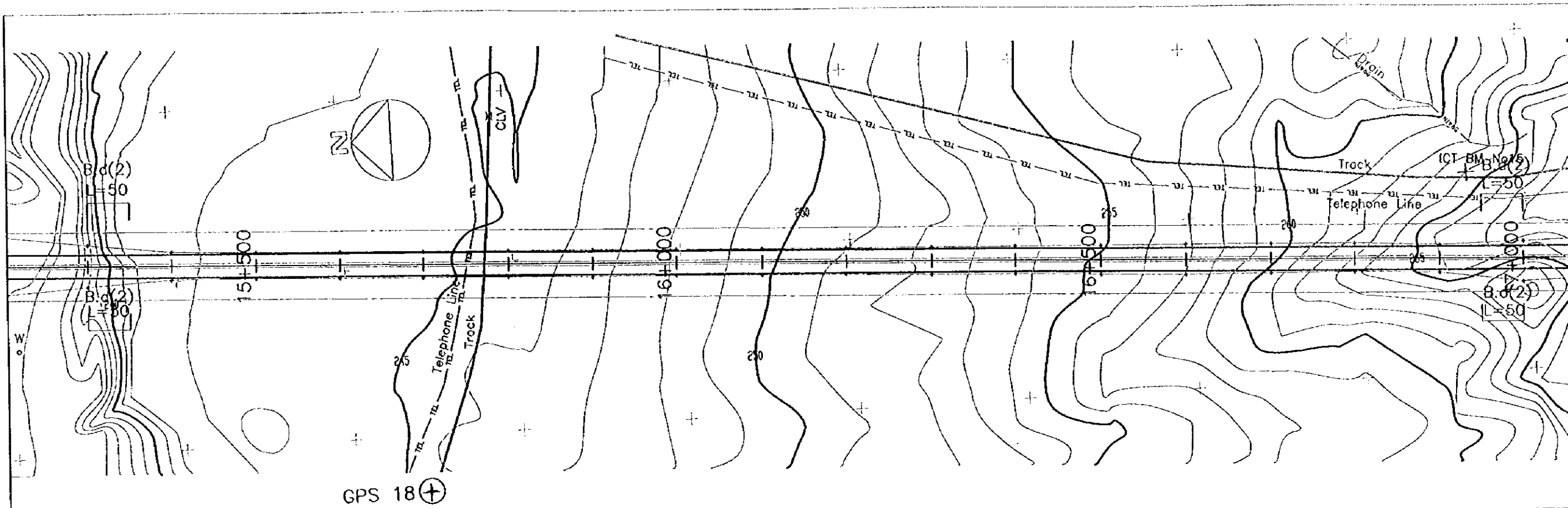
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 THE FEASIBILITY STUDY ON NATIONAL HIGHWAY BYPASSES IN INDIA

DWG TITLE : PLAN AND PROFILE (KM. 11+900 - 13+600)

DWG SCALE :
 H = 1 : 5,000
 V = 1 : 500

DWG NO. : B-3 (8/16)



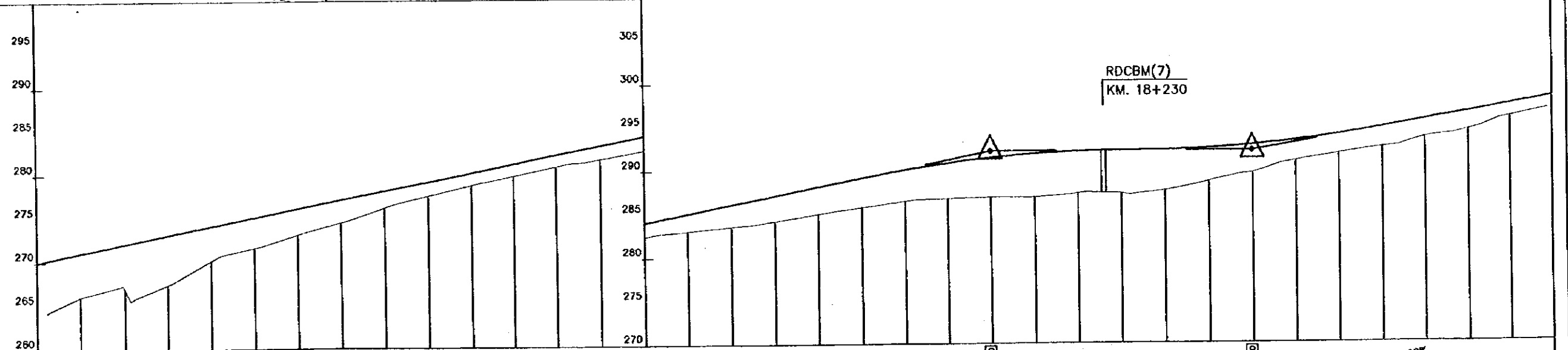
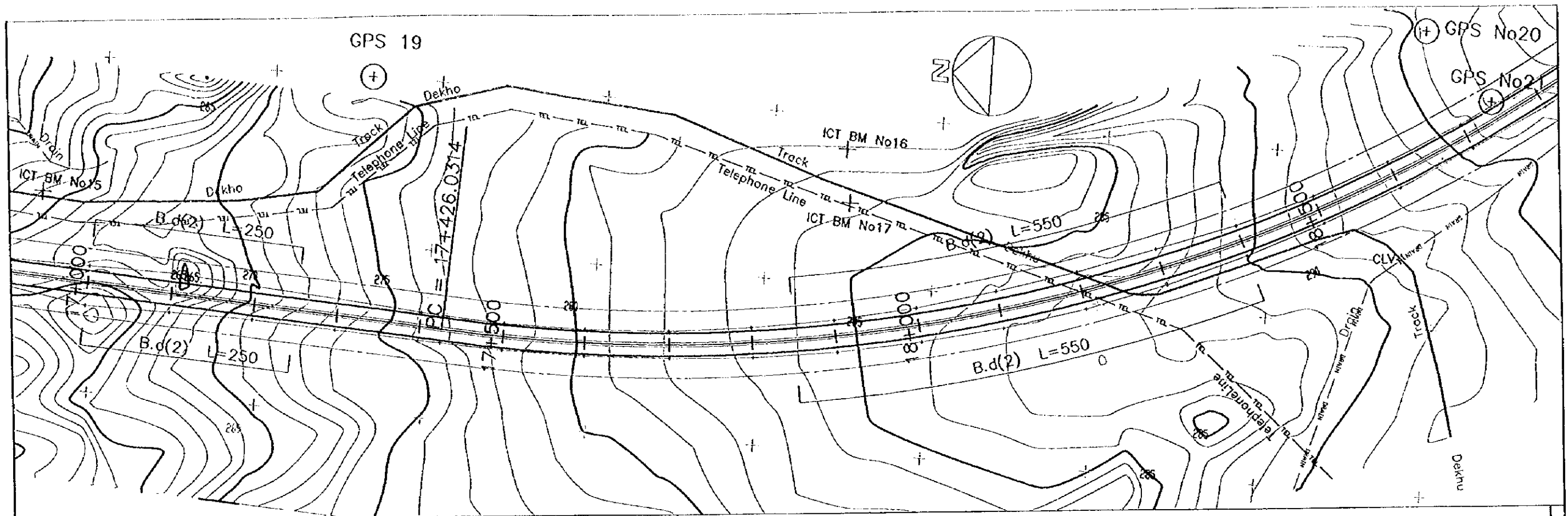


JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
THE FEASIBILITY STUDY ON NATIONAL HIGHWAY BYPASSES IN INDIA

DWG TITLE : PLAN AND PROFILE (KM. 15+300 - 17+000)

DWG SCALE :
H = 1 : 5,000
V = 1 : 500

DWG NO. :
B-3 (10/16)



PROPOSED GRADE	$i = 2.0000\%$ $L = 1200.000$															18+100	$i = 0.0000\%$ $L = 300.000$			18+400	$i = 1.7000\%$ $L = 1400.000$		
PROPOSED ELEVATION	269.950	272.075	274.075	276.075	278.075	280.075	282.075	284.075	286.075	288.075	289.075	291.325	292.075	292.146	292.712	293.846	294.625	295.675	297.175				
GROUND ELEVATION	264.76	266.84	270.10	273.04	276.12	278.66	280.71	282.45	283.53	284.95	286.39	286.78	287.17	287.49	288.53	291.64	293.40	295.40	295.69				
STATION	17+000	17+100	17+200	17+300	17+400	17+500	17+600	17+700	17+800	17+900	18+000	18+100	18+200	18+300	18+400	18+500	18+600	18+700					
HORIZONTAL ALIGNMENT	$i = 2.0000\%$ $L = 1200.000$										$i = 0.0000\%$ $L = 300.000$			$i = 1.7000\%$ $L = 1400.000$									

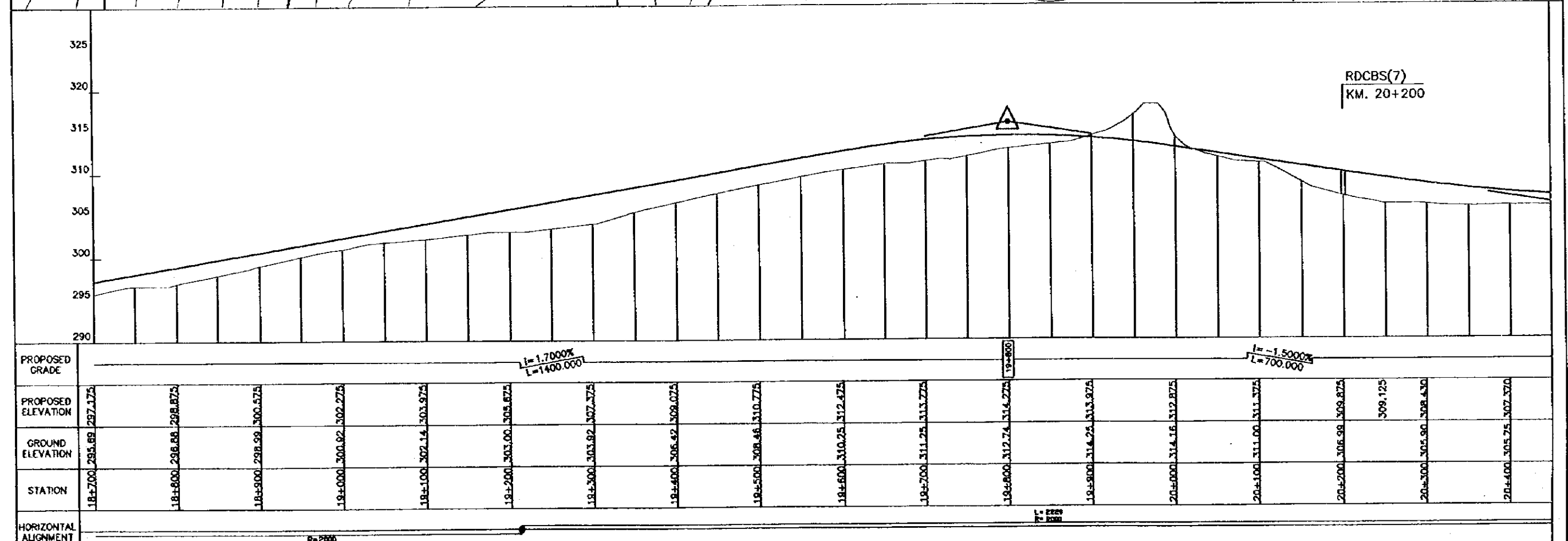
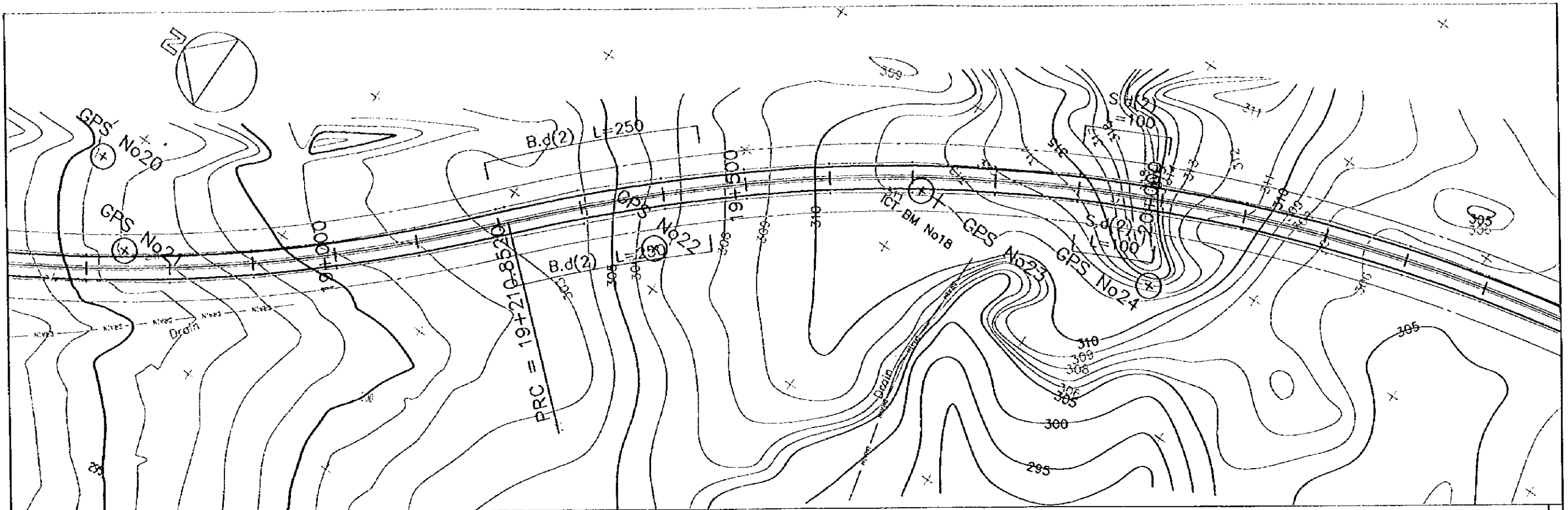
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 THE FEASIBILITY STUDY ON NATIONAL HIGHWAY BYPASSES IN INDIA

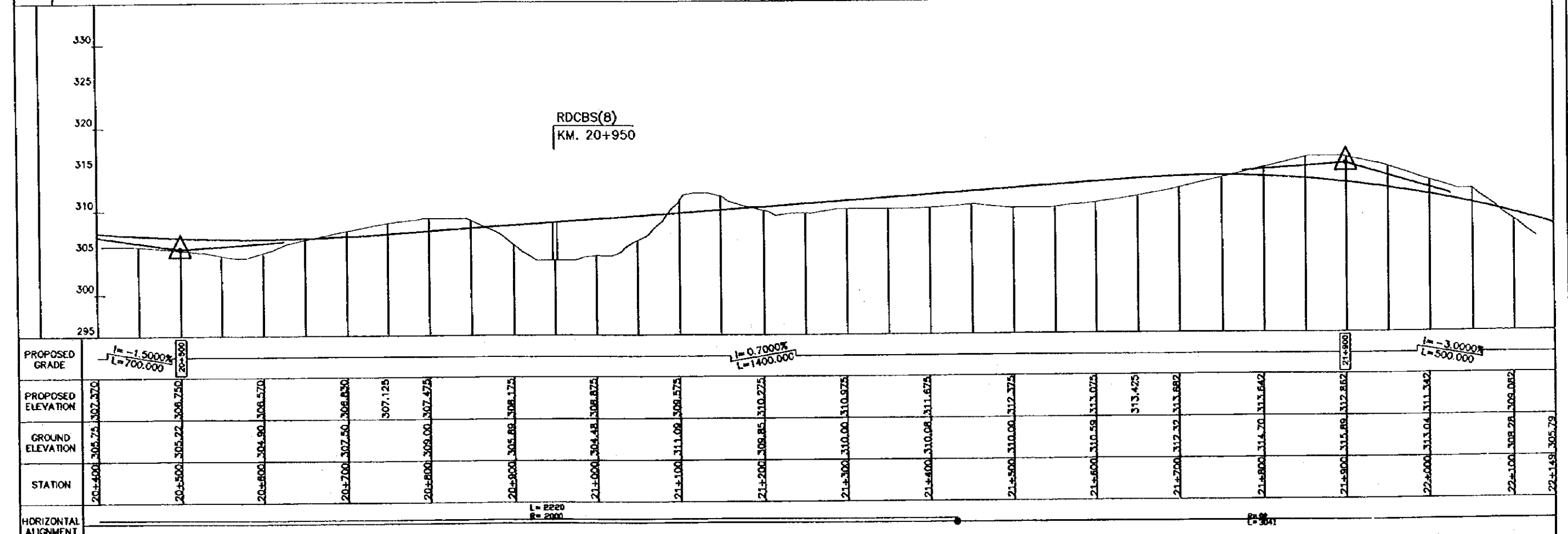
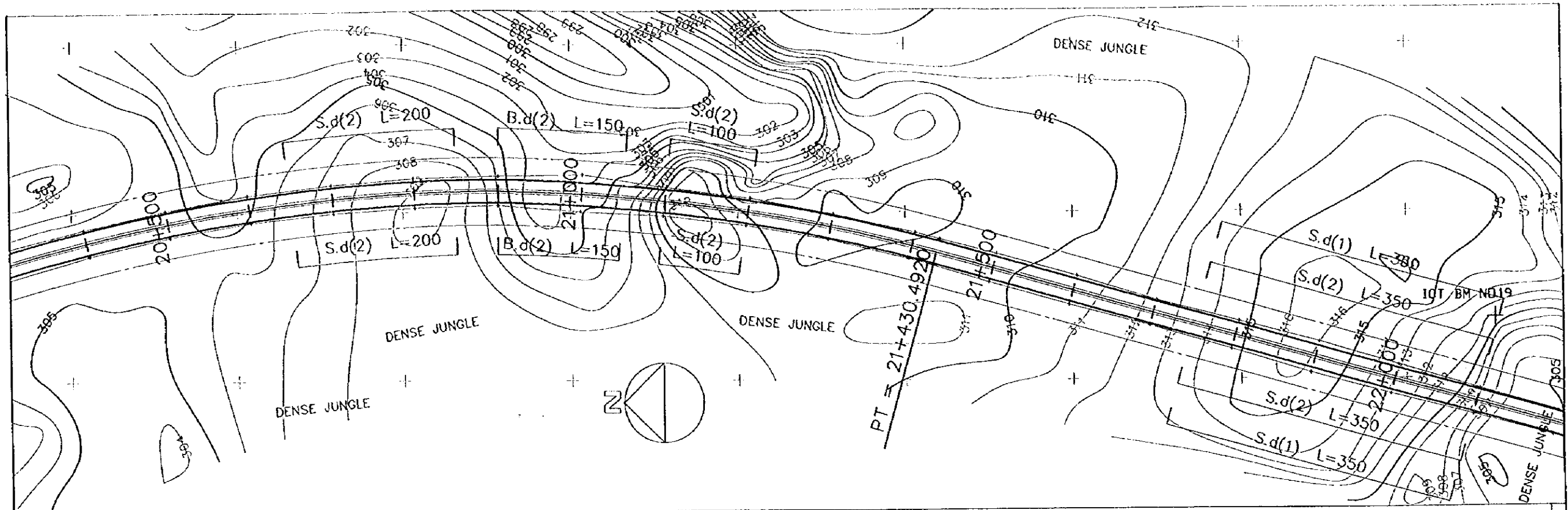
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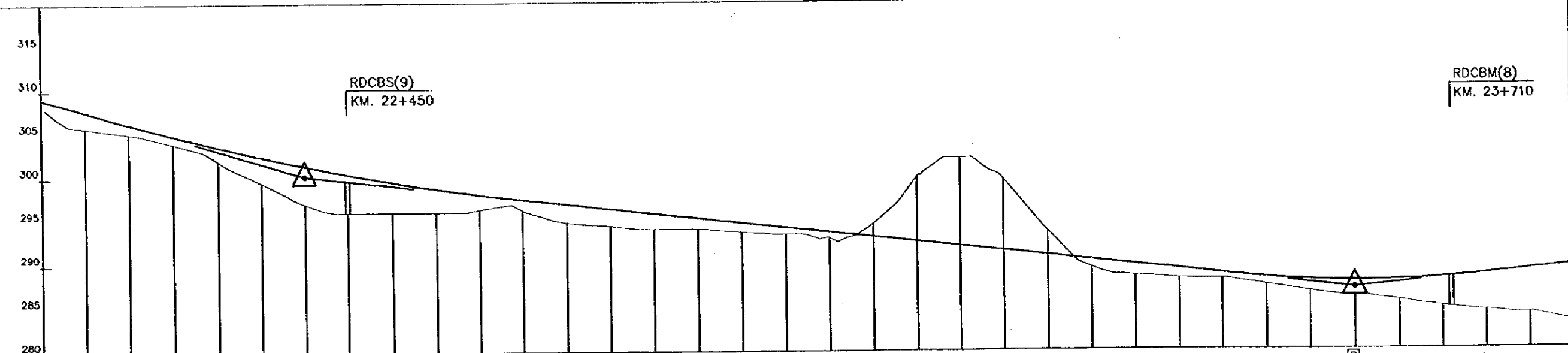
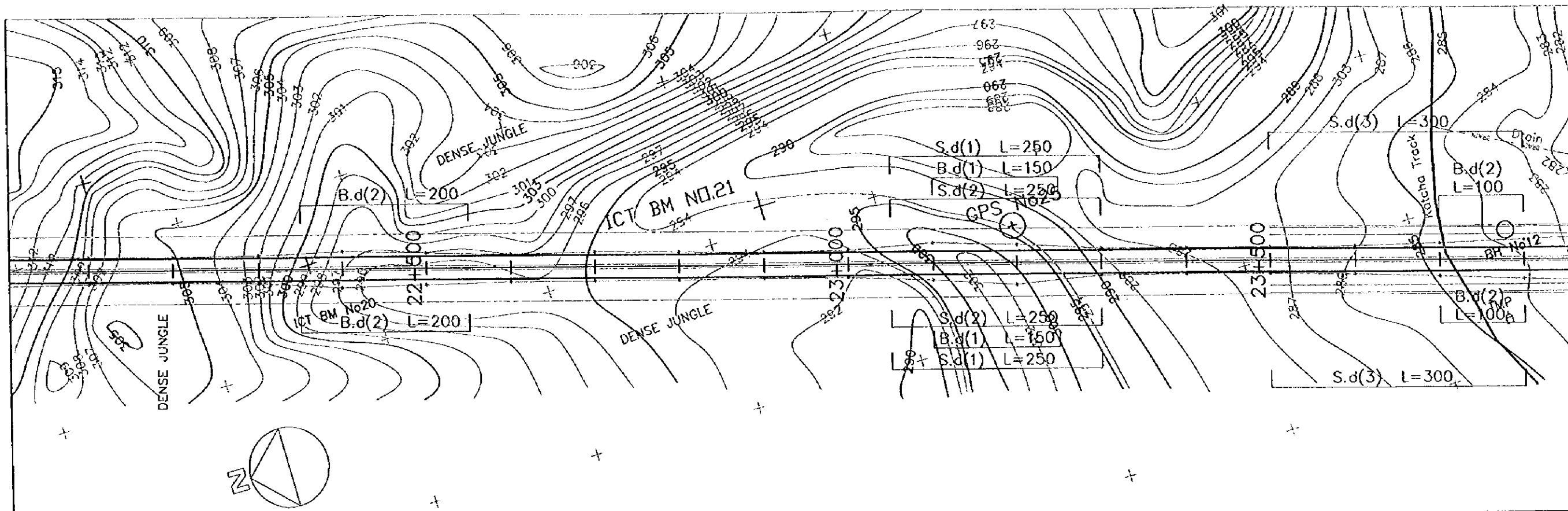
PLAN AND PROFILE (KM. 17+000 - 18+700)

DWG SCALE :
 H = 1 : 5,000
 V = 1 : 500

DWG NO. :
 B-3 (11/16)







PROPOSED GRADE	$i = -3.0000\%$ $L = 500.000$															$i = -1.1000\%$ $L = 1200.000$			$i = 1.0000\%$ $L = 400.000$				
PROPOSED ELEVATION	309.082	307.675	306.222	305.802	301.362	299.502	298.022	297.425	296.875	295.775	294.675	293.575	292.475	291.375	290.275	289.175	288.625	288.182	287.782	286.062	285.475	284.975	
GROUND ELEVATION	308.28	305.12	301.67	297.02	292.00	288.30	284.70	281.64	279.84	278.24	276.79	275.40	274.11	272.82	271.52	270.22	268.92	267.62	266.32	265.02	263.72	262.42	
STATION	22+100	22+200	22+300	22+400	22+500	22+600	22+700	22+800	22+900	23+000	23+100	23+200	23+300	23+400	23+500	23+600	23+700	23+800					
HORIZONTAL ALIGNMENT	[=361]																						

