

ROUTE 14A: TOTAL LENGTH = 59.301km

1. LOCATION MAP

2. PLAN AND PROFILE

: R14-PP-001 – R14-PP-033

3. TYPICAL CROSS SECTIONS

: R14-TC-001 – R14-TC-002

4. JUNCTION

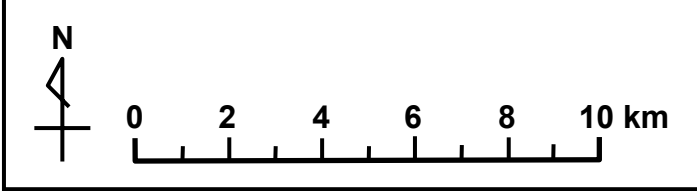
: R14-JT-001 – R14-JT-008

5. BRIDGE

: R14-BR-001 – R14-BR-014

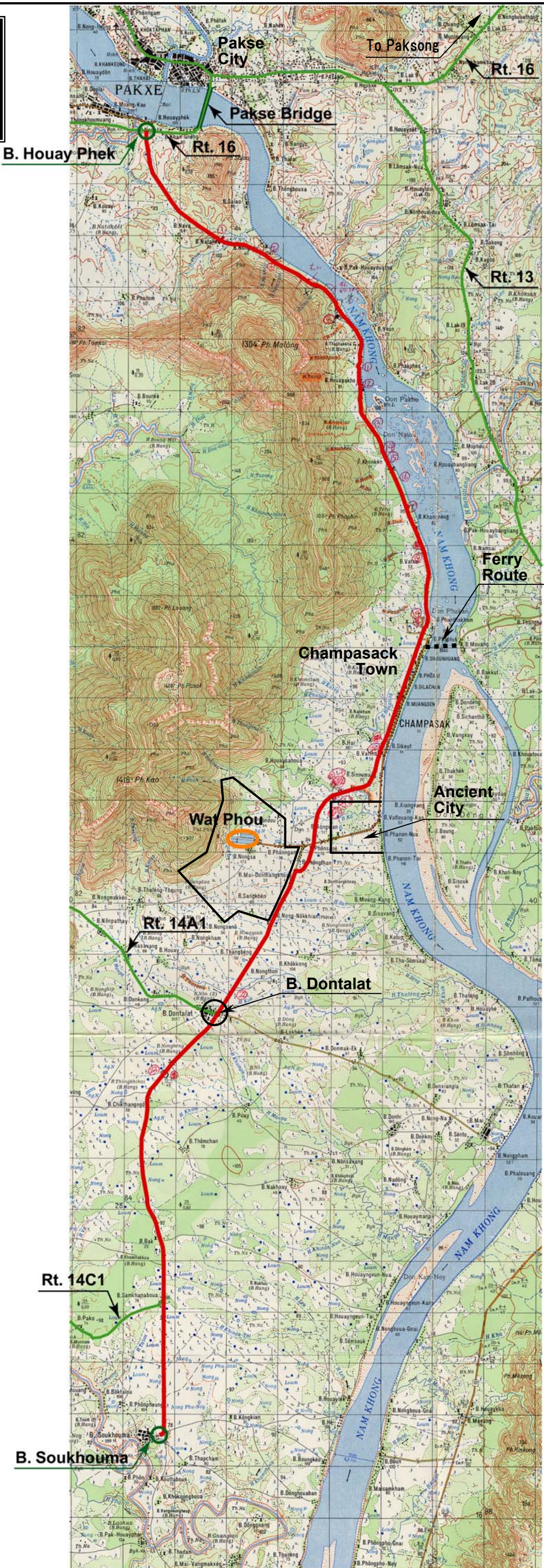
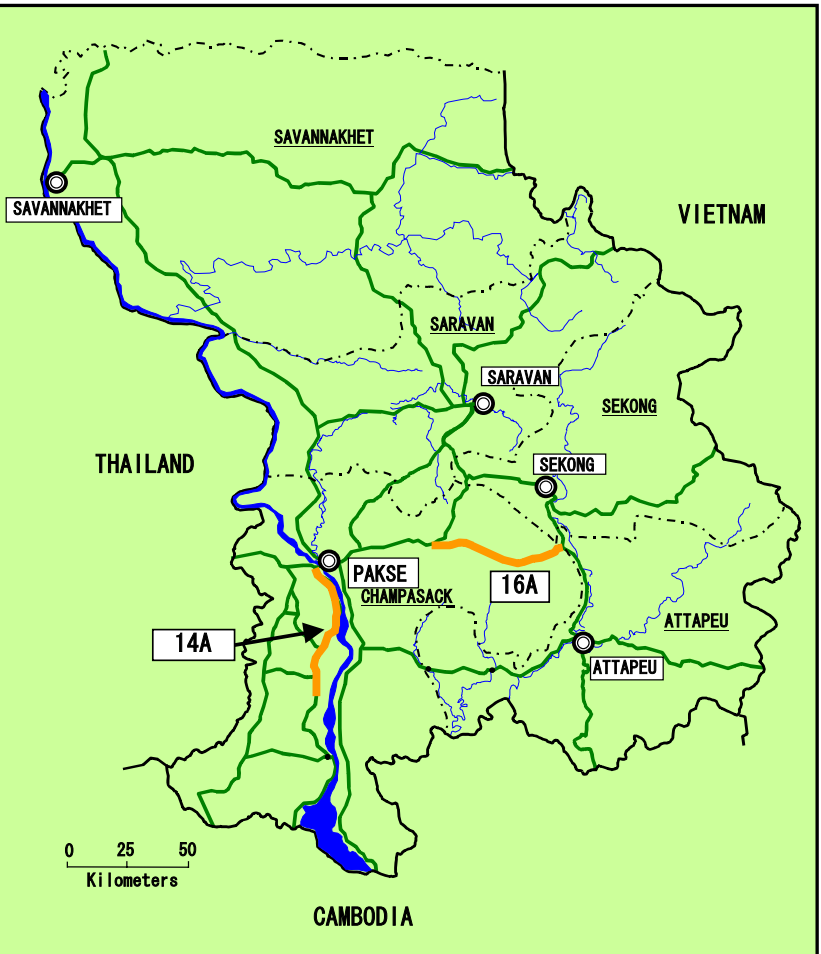
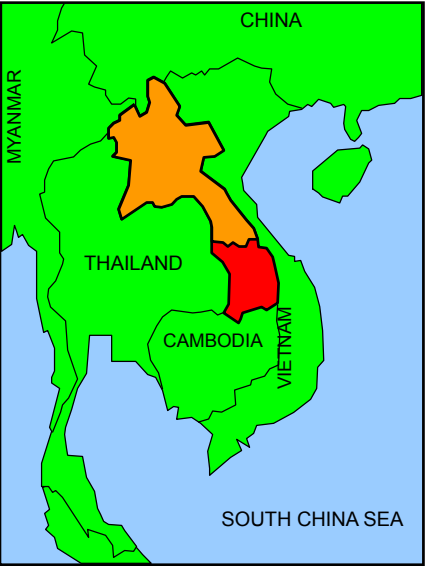
1. LOCATION MAP

LOCATION MAP FOR FEASIBILITY STUDY (1) – Route 14A –

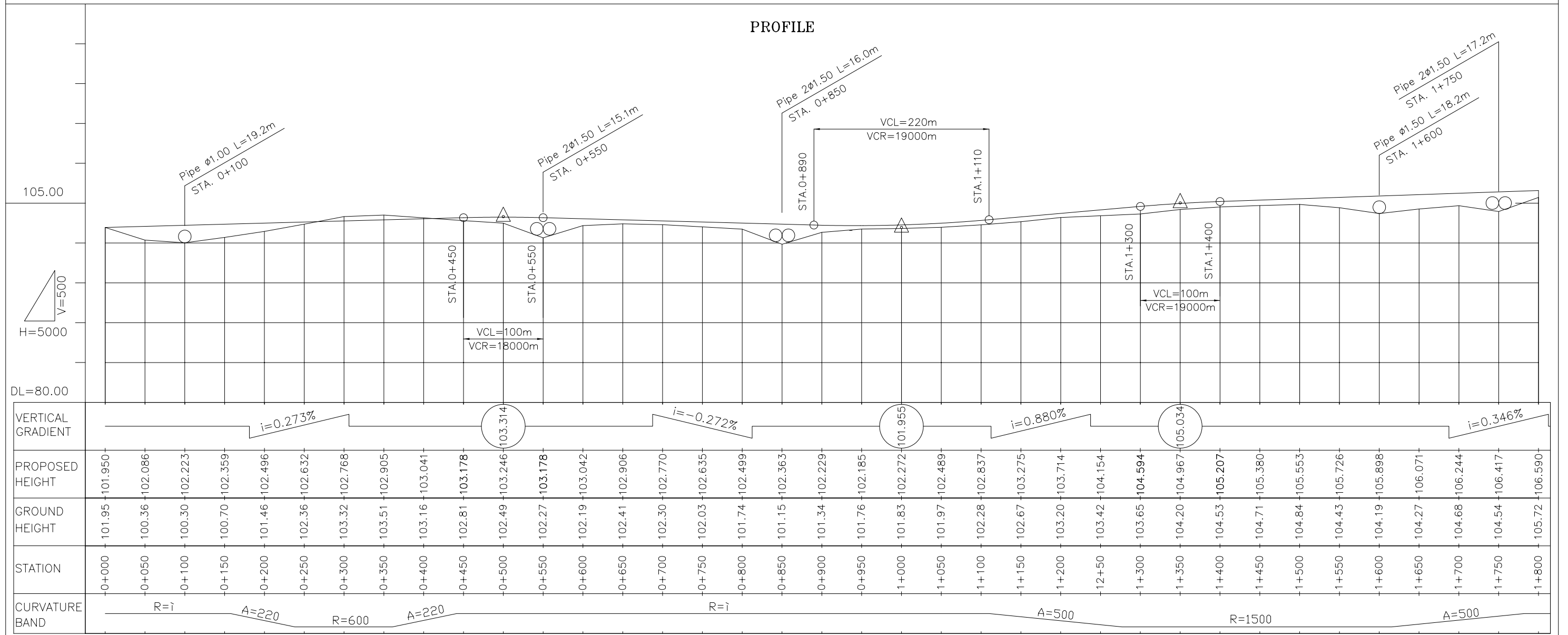
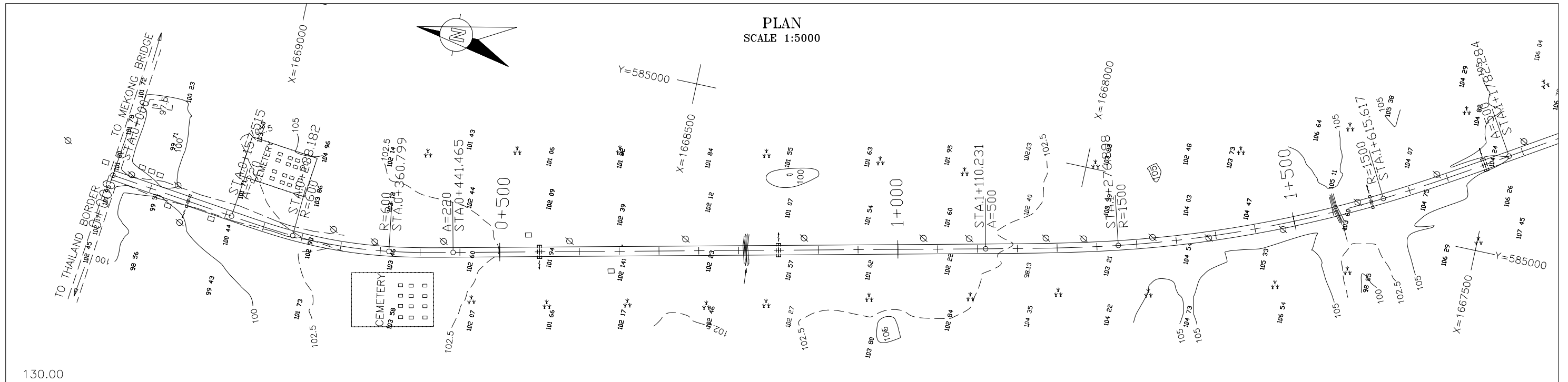


Legend

- Study Route
- Other National Road

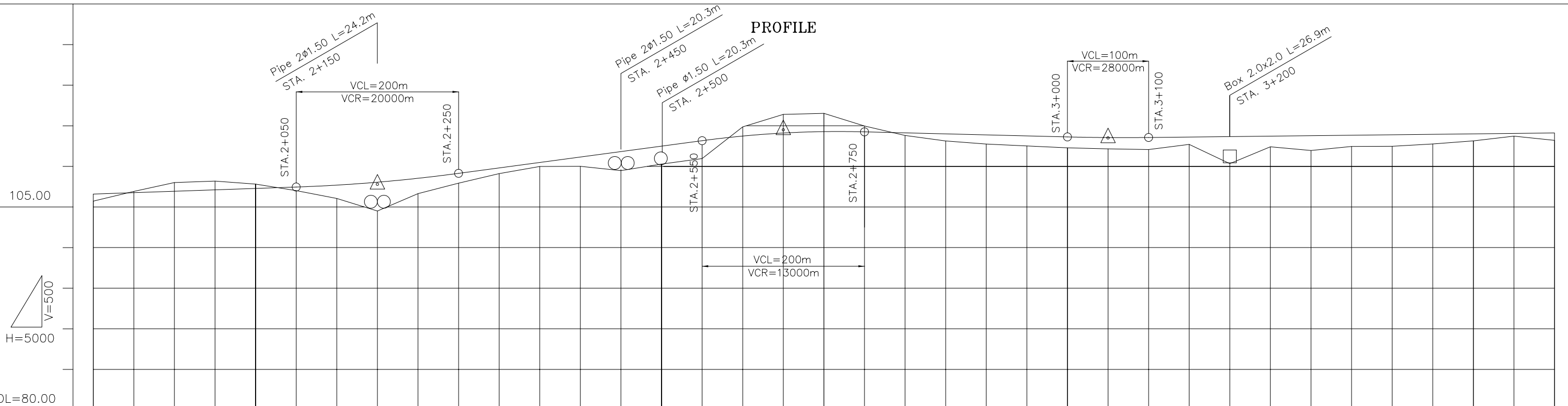
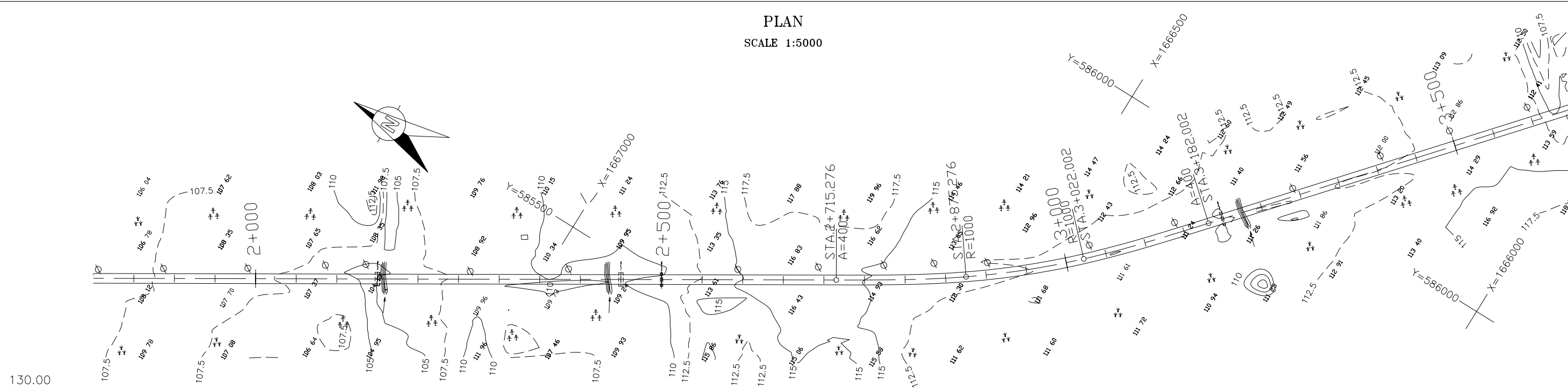


2. PLAN AND PROFILE



THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED	THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A PLAN & PROFILE STA. 0+000.000 TO 1+800.000	DESIGNED BY CHECKED BY APPROVED BY DWG. NO. R14-PP-001
No.	REVISION	DATE	

PLAN
SCALE 1:5000



STATION	GROUND HEIGHT	PROPOSED HEIGHT	VERTICAL GRADIENT	CURVATURE BAND
1+800	105.72	106.590		
1+850	106.92	106.763		
1+900	108.00	106.936		
1+950	108.19	107.109		
2+000	107.81	107.281		
2+050	107.01	107.454		
2+100	106.04	107.689		
2+150	104.84	108.049	107.800	R=100
2+200	106.64	108.532		
2+250	107.93	109.140		
2+300	109.11	109.810		
2+350	109.99	110.480		
2+400	110.01	111.150	i=1.340%	
2+450	109.81	111.820		
2+500	110.28	112.490		
2+550	112.80	113.160	114.500	A=400
2+600	114.87	113.731		
2+650	116.40	114.102		
2+700	116.52	114.276		
2+750	114.96	114.250		
2+800	113.80	114.125		
2+850	113.13	114.000		
2+900	112.74	113.875	i=-0.250%	
2+950	112.51	113.750		
3+000	112.28	113.625		
3+050	112.16	113.545	113.500	R=1000
3+100	112.07	113.556		
3+150	112.70	113.611		
3+200	110.33	113.667		
3+250	112.41	113.722		
3+300	111.95	113.778		
3+350	112.45	113.833		
3+400	112.47	113.889		
3+450	112.76	113.944		
3+500	113.14	114.000		
3+550	113.72	114.056		
3+600	113.20	114.111	i=0.111%	

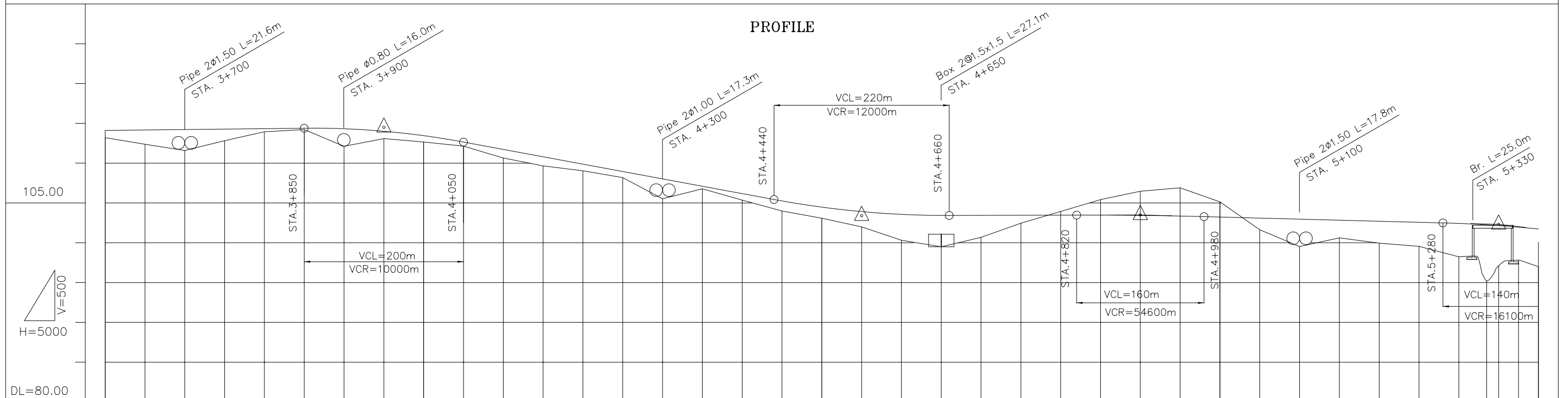
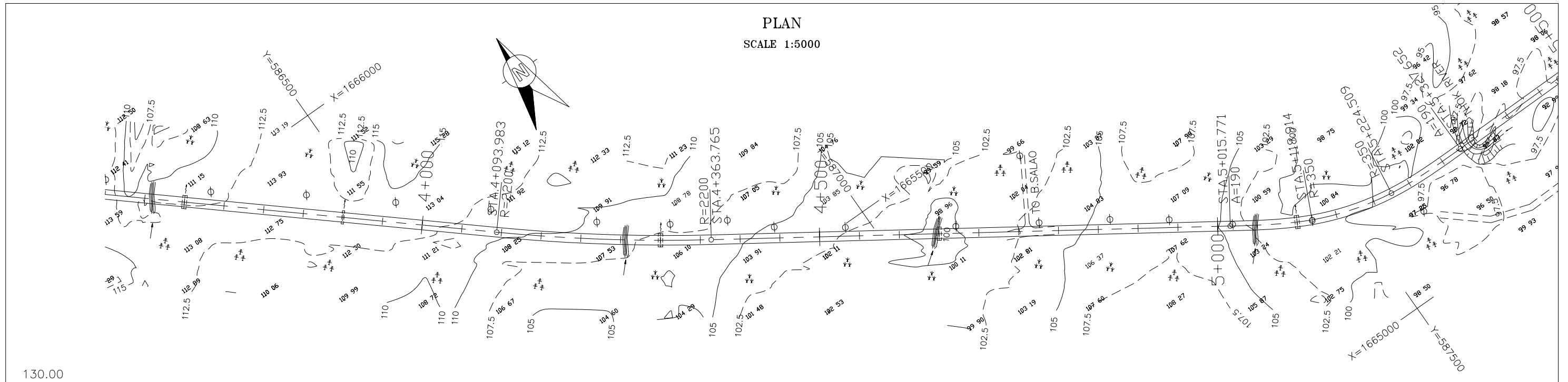
THE LAO PEOPLE'S DEMOCRATIC REPUBLIC
MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS COMPANY LIMITED
&
PADECO COMPANY LIMITED

No.	REVISION	DATE

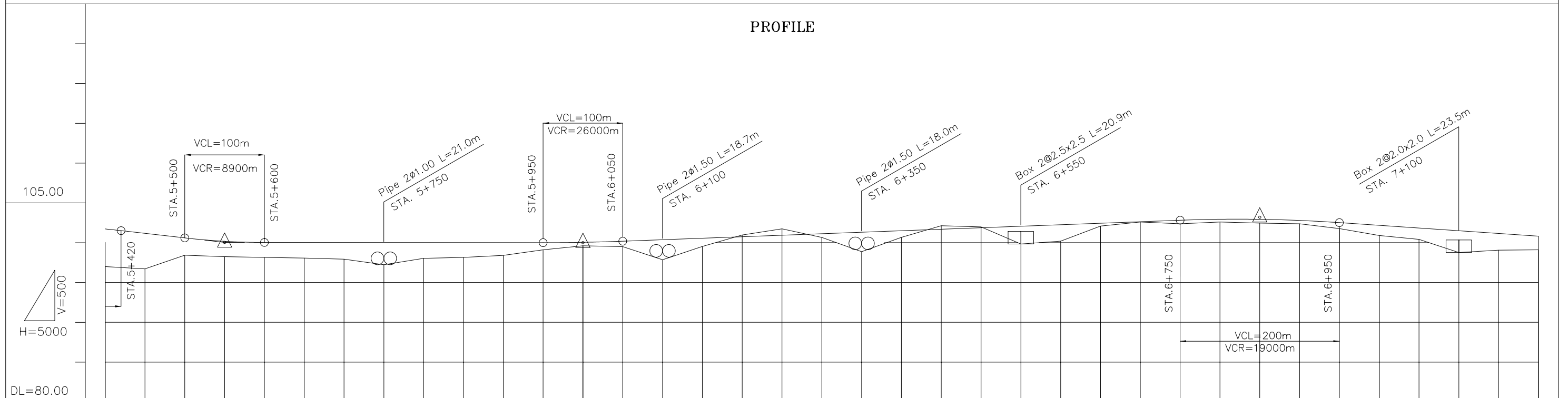
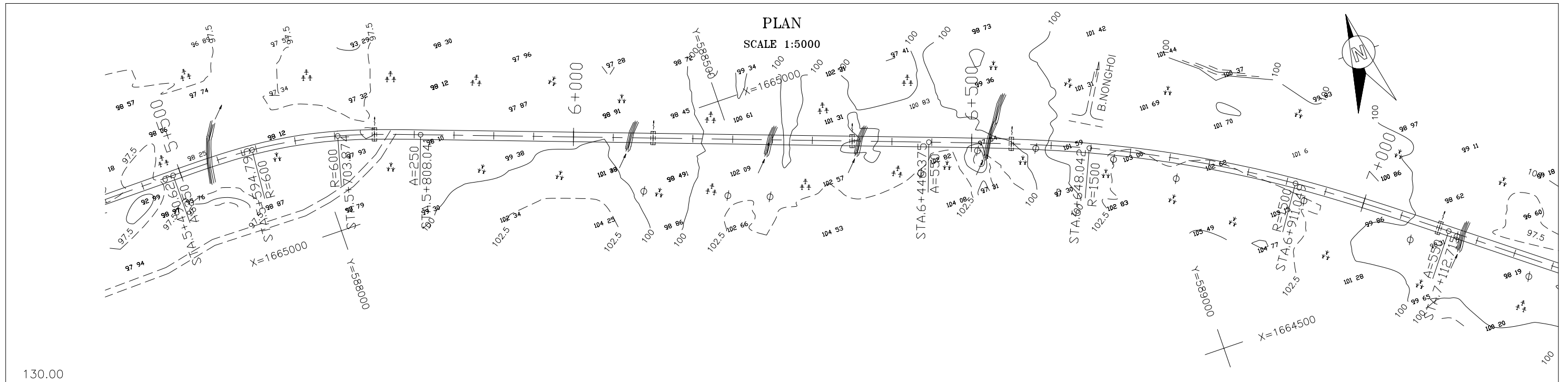
THE STUDY ON IMPROVEMENT OF ROADS IN
THE SOUTHERN REGION IN LAO P.D.R.
RT.14A
PLAN & PROFILE
STA. 1+800.000 TO 3+600.000

DESIGNED BY	
CHECKED BY	
APPROVED BY	
DWG. NO.	R14-PP-002



VERTICAL GRADIENT	$i = -1.850\%$ $i = 0.029\%$ $i = -0.264\%$																																					
PROPOSED HEIGHT	114.111	114.167	114.222	114.278	114.333	114.389	114.322	114.010	113.452	112.650	111.725	110.800	109.875	108.950	108.025	107.100	106.175	105.254	104.479	103.917	103.568	103.433	103.443	103.457	103.471	103.477	103.441	103.360	103.236	103.103	102.971	102.839	102.707	102.574	102.430	102.256	102.157	101.729
GROUND HEIGHT	113.20	112.38	111.75	112.82	113.95	114.21	113.17	113.09	112.66	112.13	110.65	109.66	109.04	108.18	106.36	106.78	105.36	103.99	103.08	101.99	100.32	99.50	100.69	102.46	103.93	105.43	106.47	106.91	105.13	101.64	100.48	100.62	99.95	99.55	98.24	95.19	97.12	97.00
STATION	3+600	3+650	3+700	3+750	3+800	3+850	3+900	3+950	4+000	4+050	4+100	4+150	4+200	4+250	4+300	4+350	4+400	4+450	4+500	4+550	4+600	4+650	4+700	4+750	4+800	4+850	4+900	4+950	5+000	5+050	5+100	5+150	5+200	5+250	5+300	5+335	5+350	5+400
CURVATURE BAND	R=i		R=2200										R=i										A=190		R=350		A=190		R=i									

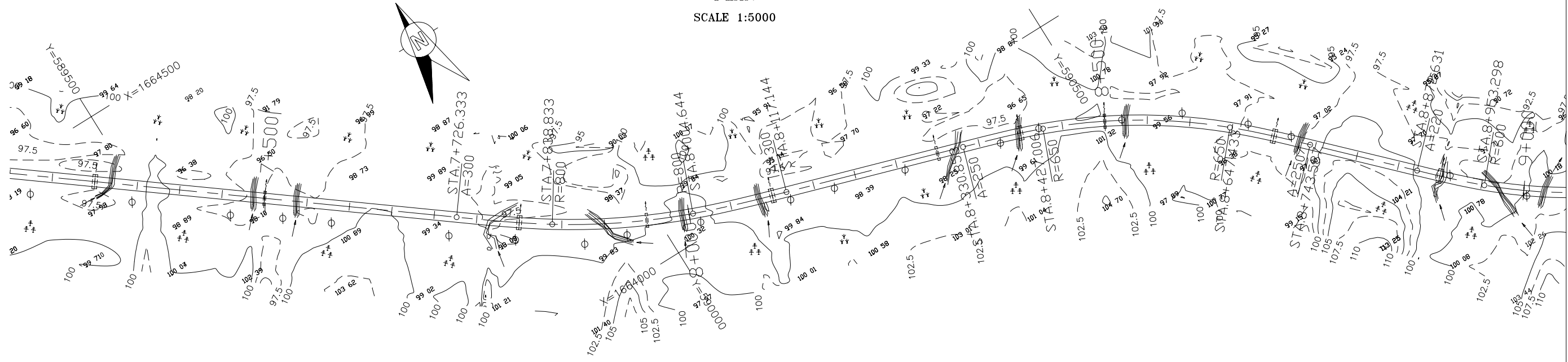
THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED	THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A PLAN & PROFILE STA. 3+600.000 TO 5+400.000	DESIGNED BY CHECKED BY APPROVED BY DWG. NO. R14-PP-003
No. REVISION DATE			



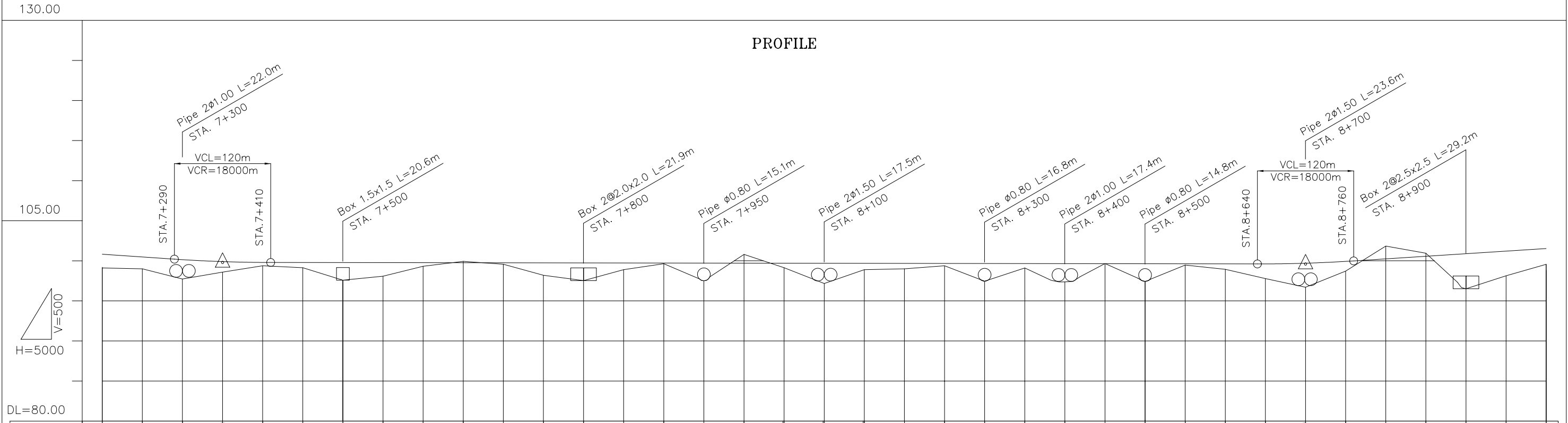
VERTICAL GRADIENT	$i = -1.138\%$		$i = -0.035\%$		$i = -0.008\%$		$i = 0.376\%$		$i = 0.200\%$		$i = -0.680\%$																										
PROPOSED HEIGHT	101.729	101.173	100.604	100.176	100.031	100.027	100.023	100.019	100.015	100.012	100.008	100.004	100.048	100.188	100.376	100.565	100.753	100.941	101.129	101.318	101.506	101.694	101.882	102.071	102.259	102.447	102.635	102.824	102.946	102.936	102.794	102.520	102.180	101.840	101.500	101.160	100.820
GROUND HEIGHT	97.00	96.71	98.42	98.25	98.15	98.07	97.93	97.24	98.04	98.15	98.41	99.10	99.62	99.51	98.49	99.53	100.97	101.74	100.66	100.14	100.67	102.13	101.99	99.84	100.19	102.09	102.60	102.38	102.60	102.46	102.38	101.77	100.90	100.41	98.77	99.06	99.11
STATION	5+400	5+450	5+500	5+550	5+600	5+650	5+700	5+750	5+800	5+850	5+900	5+950	6+000	6+050	6+100	6+150	6+200	6+250	6+300	6+350	6+400	6+450	6+500	6+550	6+600	6+650	6+700	6+750	6+800	6+850	6+900	6+950	7+000	7+050	7+100	7+150	7+200
CURVATURE BAND	R=∞		A=250		R=600		A=250		R=∞		A=550		R=1500		A=550		R=∞		A=550		R=1500		A=550		R=∞		A=550		R=1500		A=550		R=∞		A=550		

THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED	No.	REVISION	DATE	THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R.	DESIGNED BY
					RT.14A	CHECKED BY
					PLAN & PROFILE	APPROVED BY
					STA. 5+400.000 TO 7+200.000	DWG. NO.
						R14-PP-004

PLAN
SCALE 1:5000



PROFILE



VERTICAL GRADIENT																																																		
PROPOSED HEIGHT	100.820	100.480	100.143	99.900	99.795	99.785	99.778	99.770	99.763	99.756	99.748	99.741	99.733	99.726	99.719	99.711	99.704	99.696	99.689	99.681	99.674	99.667	99.659	99.652	99.644	99.637	99.630	99.622	99.615	99.610	99.600	99.699	99.925	100.244	100.567	100.889	101.211	101.533												
GROUND HEIGHT	99.11	99.00	98.36	98.59	99.38	99.14	97.64	98.08	99.32	99.94	99.57	98.20	98.30	98.89	99.63	99.25	100.80	99.14	98.17	98.89	99.00	99.38	98.92	99.10	98.28	99.66	98.89	99.47	98.94	97.78	96.70	98.72	101.83	100.95	96.52	98.13	99.57													
STATION	7+200	7+250	7+300	7+350	7+400	7+450	7+500	7+550	7+600	7+650	7+700	7+750	7+800	7+850	7+900	7+950	8+000	8+050	8+100	8+150	8+200	8+250	8+300	8+350	8+400	8+450	8+500	8+550	8+600	8+650	8+700	8+750	8+800	8+850	8+900	8+950	9+000													
CURVATURE BAND	R=i					A=300					R=800					A=300					R=i					A=250					R=650					A=250					R=i					A=220				

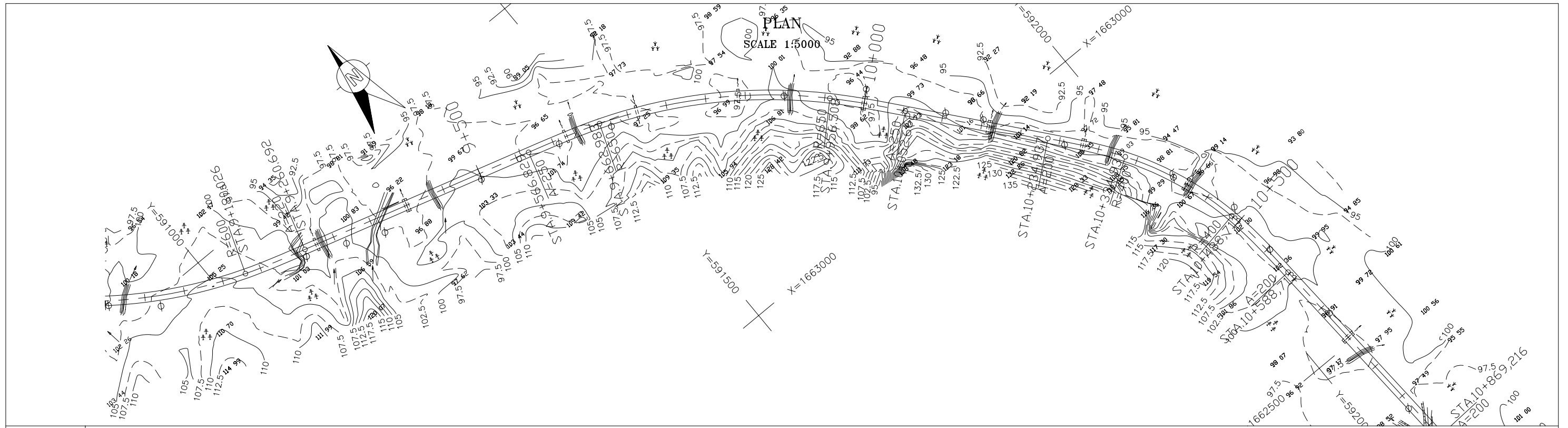
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JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS COMPANY LIMITED
&
PADECO COMPANY LIMITED

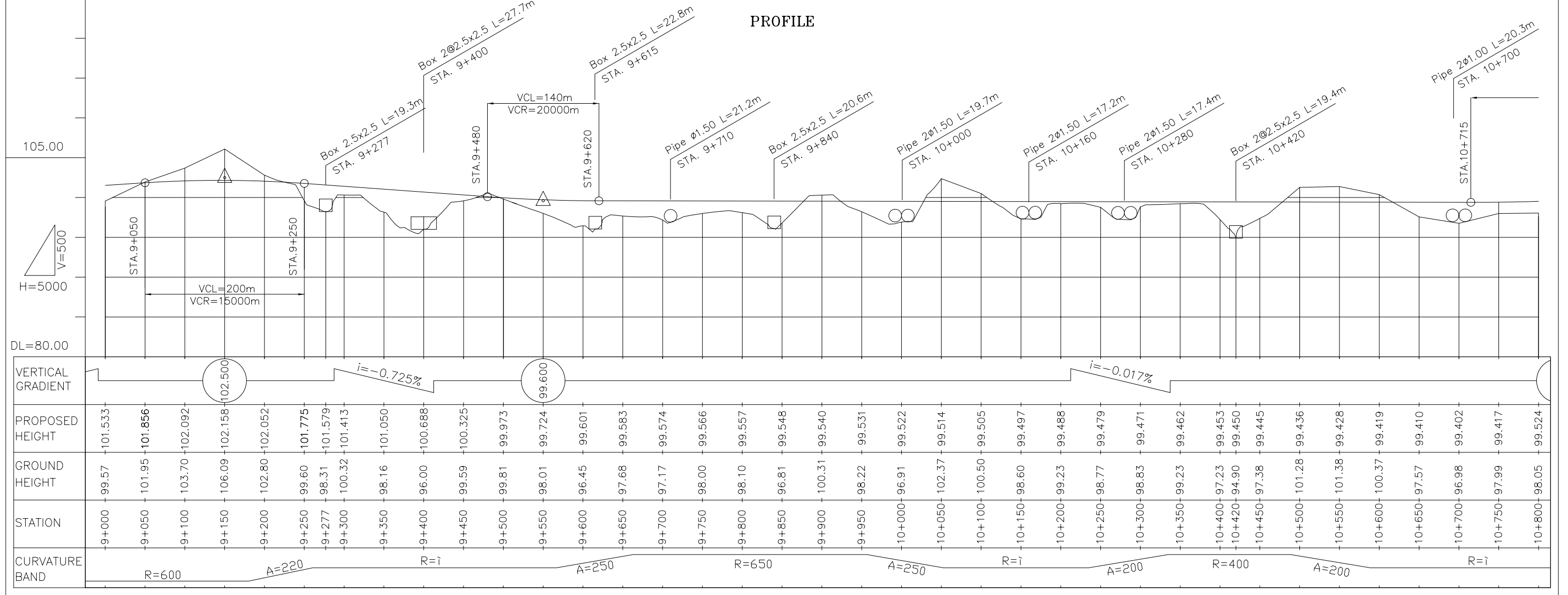
No.	REVISION	DATE

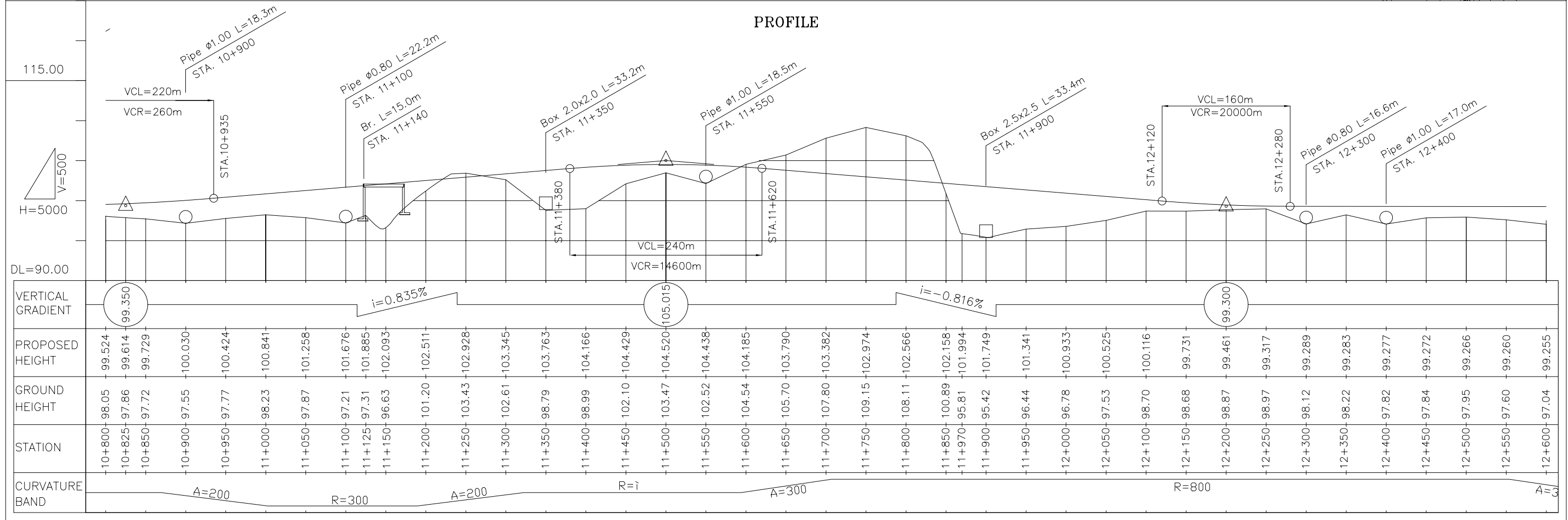
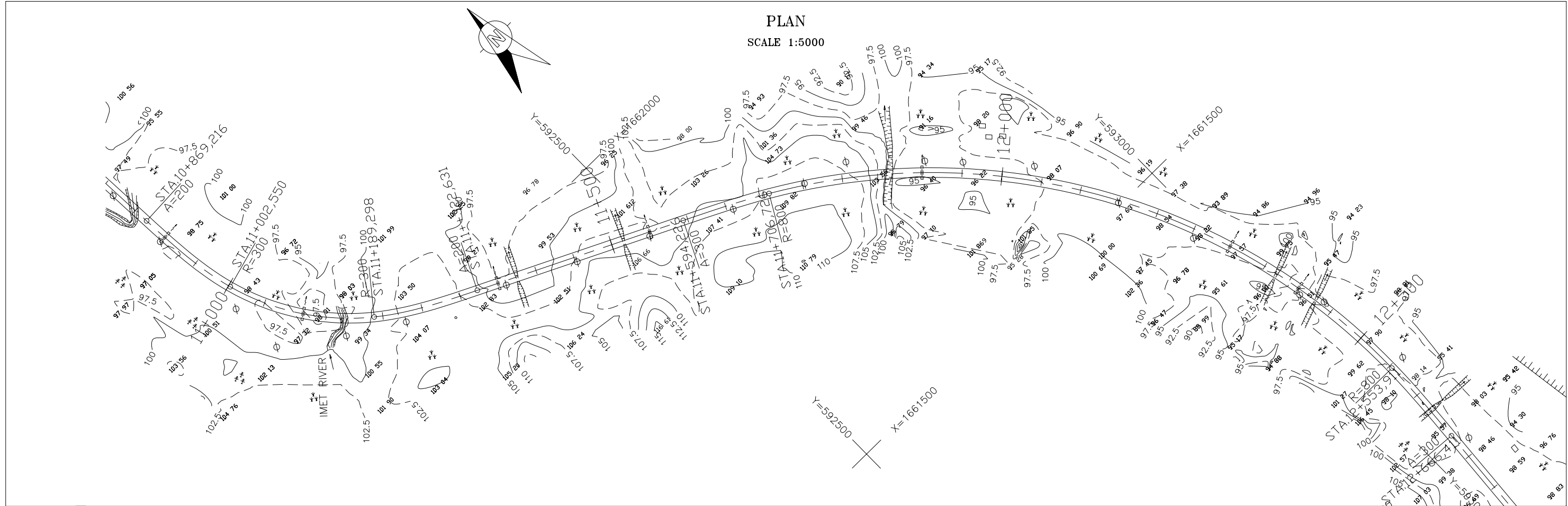
THE STUDY ON IMPROVEMENT OF ROADS IN
THE SOUTHERN REGION IN LAO P.D.R.
RT.14A
PLAN & PROFILE
STA. 7+200.000 TO 9+000.000

DESIGNED BY	
CHECKED BY	
APPROVED BY	
DWG. NO.	R14-PP-005

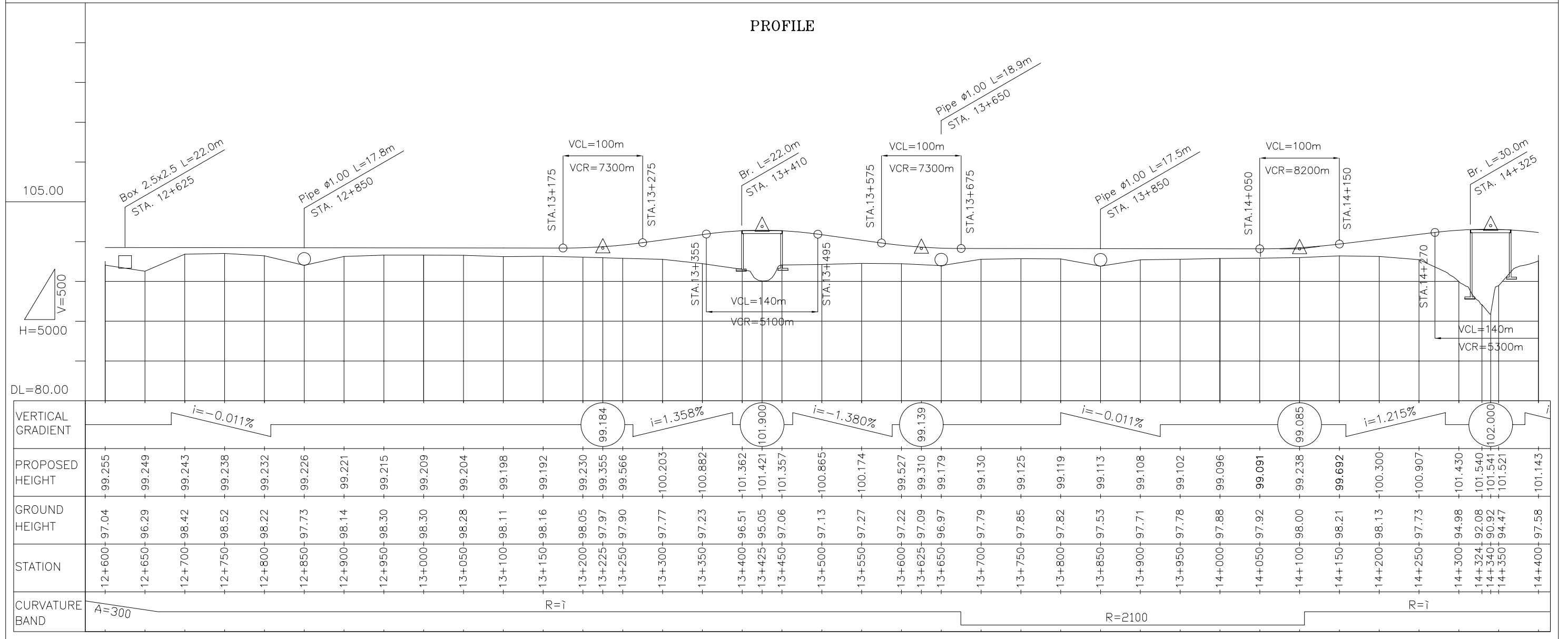
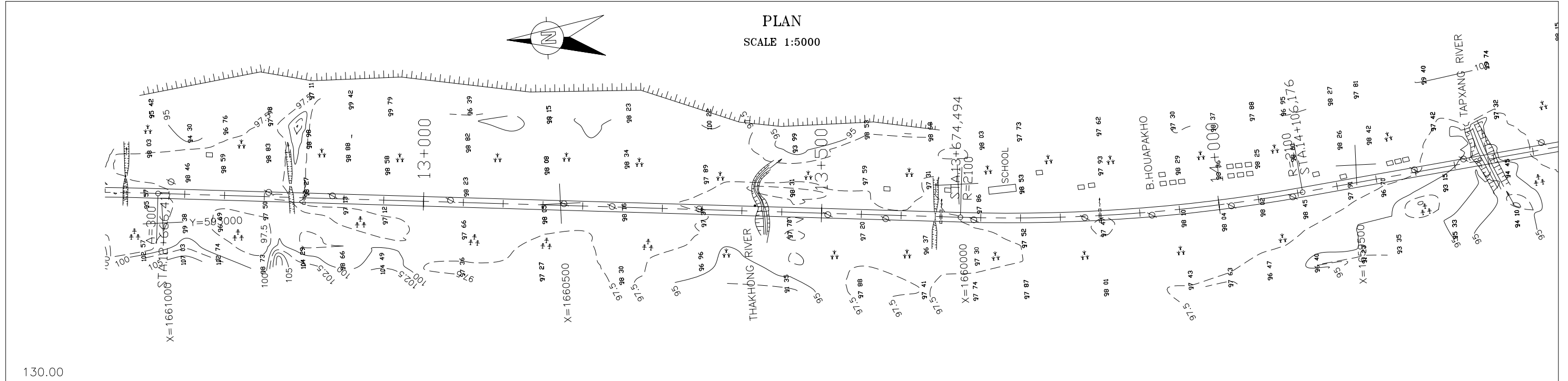


PROFILE

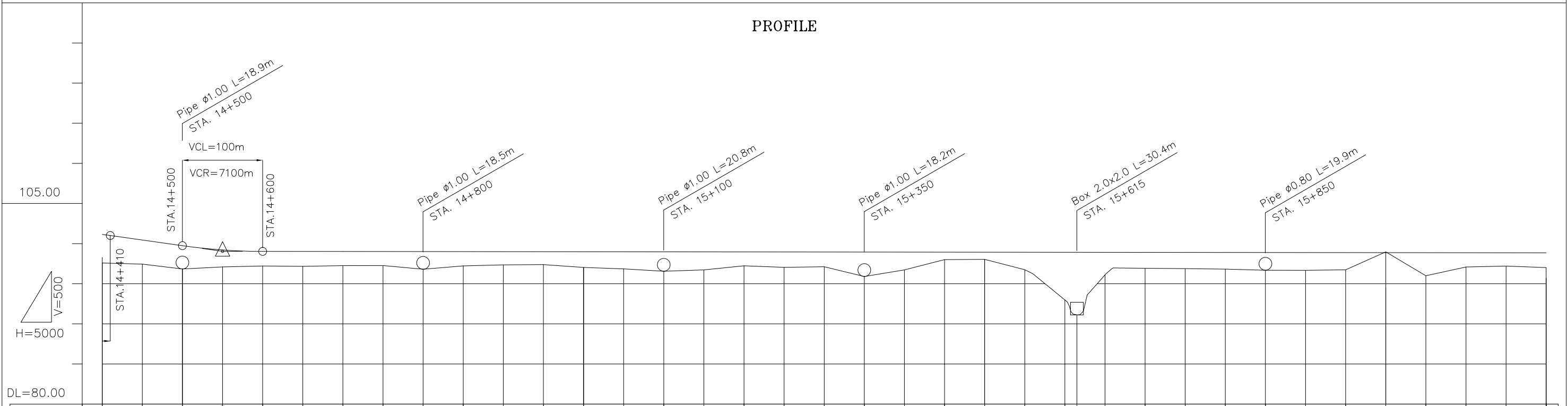
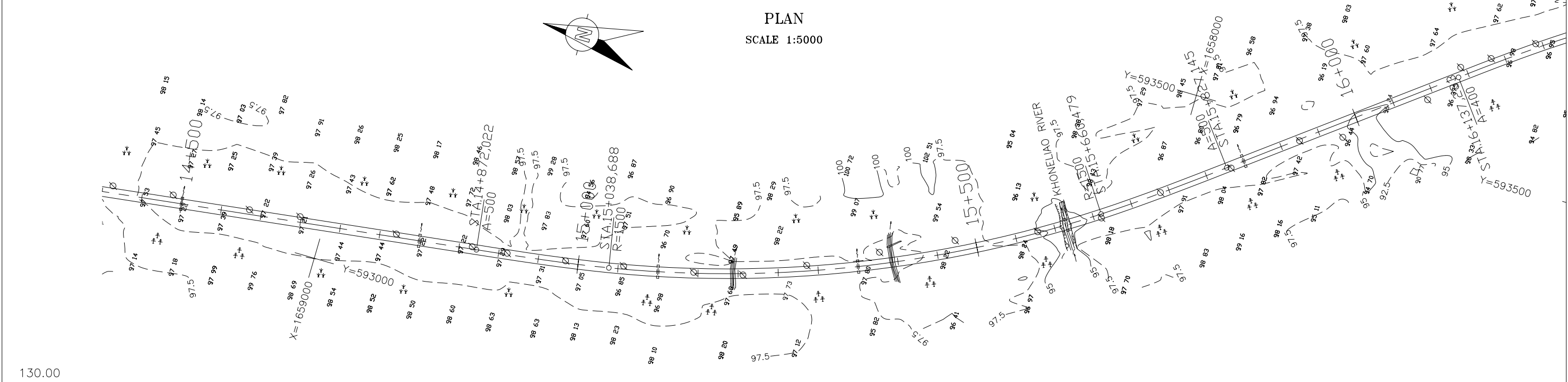




THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED		THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A	DESIGNED BY
				PLAN & PROFILE
			STA. 10+800.000 TO 12+600.000	APPROVED BY
No.	REVISION	DATE		DWG. NO.
				R14-PP-007

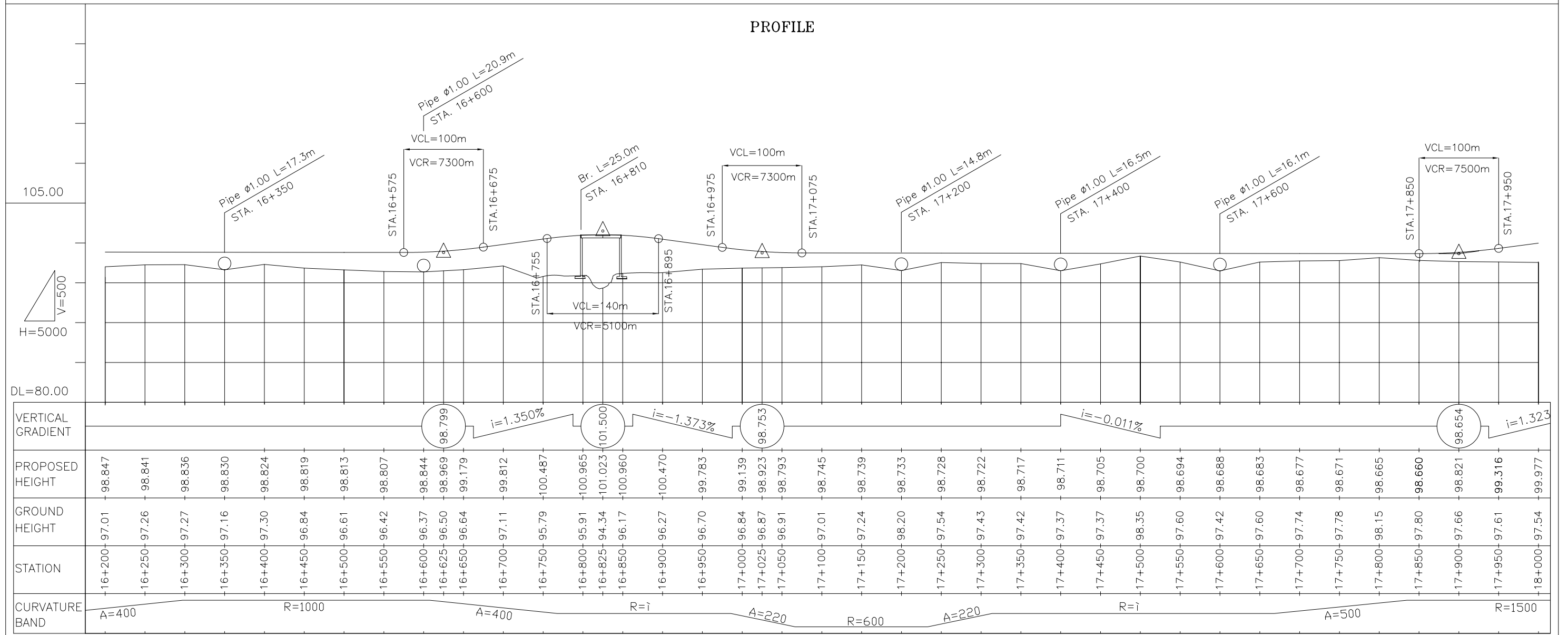
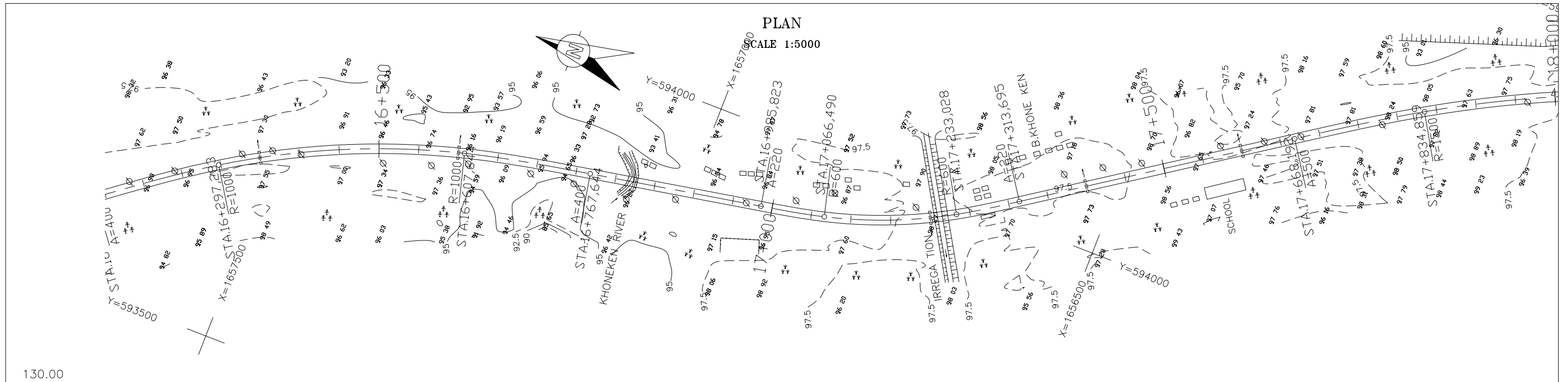


THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED	THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A PLAN & PROFILE STA. 12+600.000 TO 14+400.000	DESIGNED BY CHECKED BY APPROVED BY DWG. NO. R14-PP-008
No. REVISION DATE			

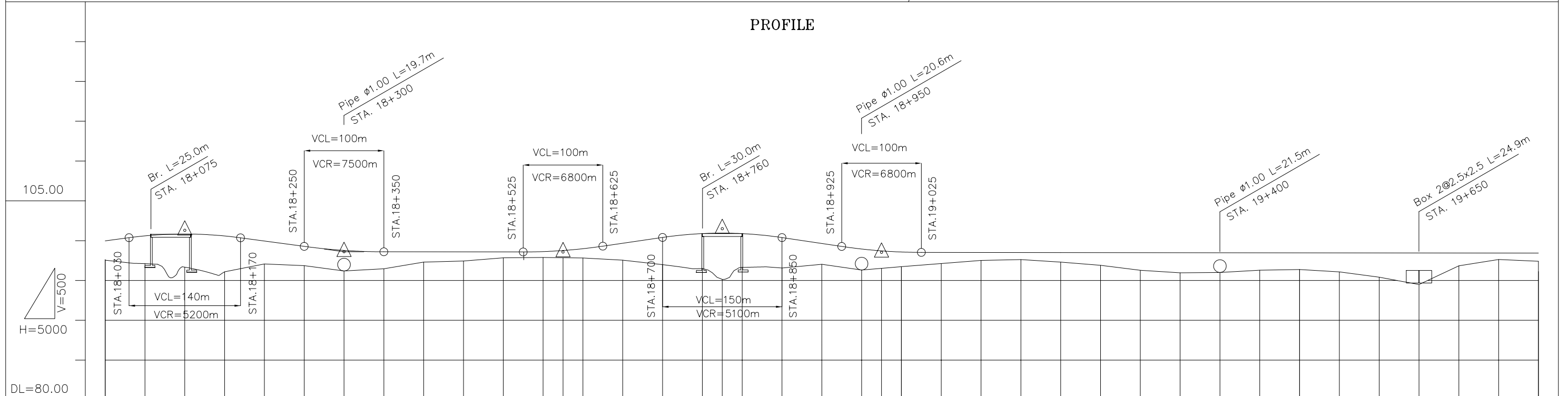
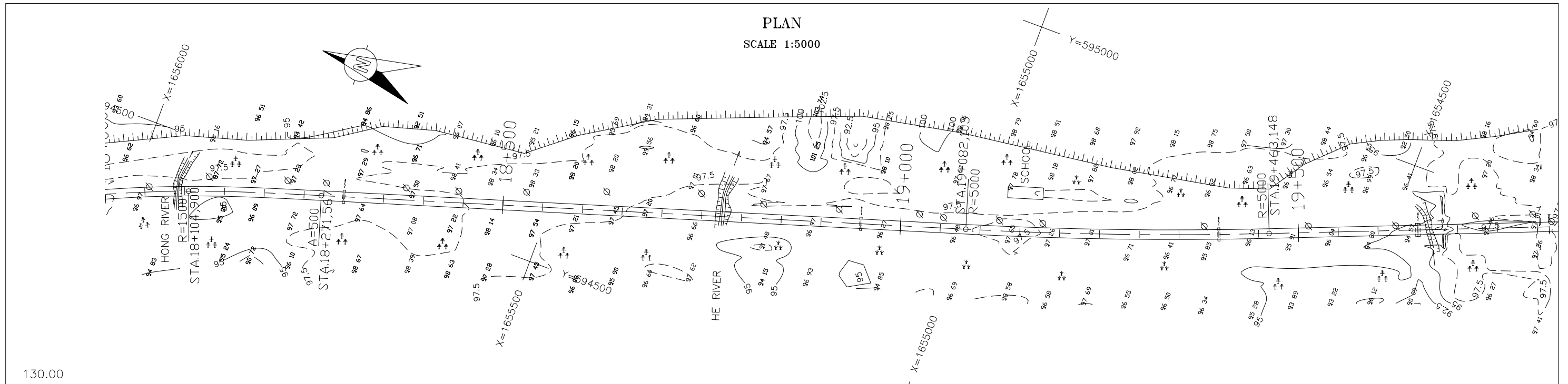


VERTICAL GRADIENT	$i = -1.412\%$		99.034	$i = -0.011\%$																																		
PROPOSED HEIGHT	101.143	100.446	99.740	99.209	99.028	99.023	99.017	99.011	99.005	99.000	98.994	98.988	98.983	98.977	98.971	98.966	98.960	98.954	98.949	98.943	98.938	98.932	98.926	98.921	98.915	98.913	98.909	98.904	98.898	98.892	98.887	98.881	98.875	98.870	98.864	98.858	98.853	98.847
GROUND HEIGHT	97.58	97.44	97.15	97.09	97.21	97.17	97.25	97.27	97.14	97.22	97.35	97.38	97.04	96.85	96.56	96.73	97.23	97.04	97.12	95.90	96.72	98.00	98.04	96.75	92.97	91.16	96.11	96.93	96.89	96.82	96.72	96.67	96.73	94.49	95.99	97.09	97.20	97.01
STATION	14+400	14+450	14+500	14+550	14+600	14+650	14+700	14+750	14+800	14+850	14+900	14+950	15+000	15+050	15+100	15+150	15+200	15+250	15+300	15+350	15+400	15+450	15+500	15+550	15+600	15+615	15+650	15+700	15+750	15+800	15+850	15+900	15+950	16+000	16+050	16+100	16+150	16+200
CURVATURE BAND	R=∞		A=500										R=1500										A=500										R=∞		A=∞			

THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED			THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A PLAN & PROFILE STA. 14+400.000 TO 16+200.000	DESIGNED BY CHECKED BY APPROVED BY
		No.	REVISION	DATE	DWG. NO. R14-PP-009

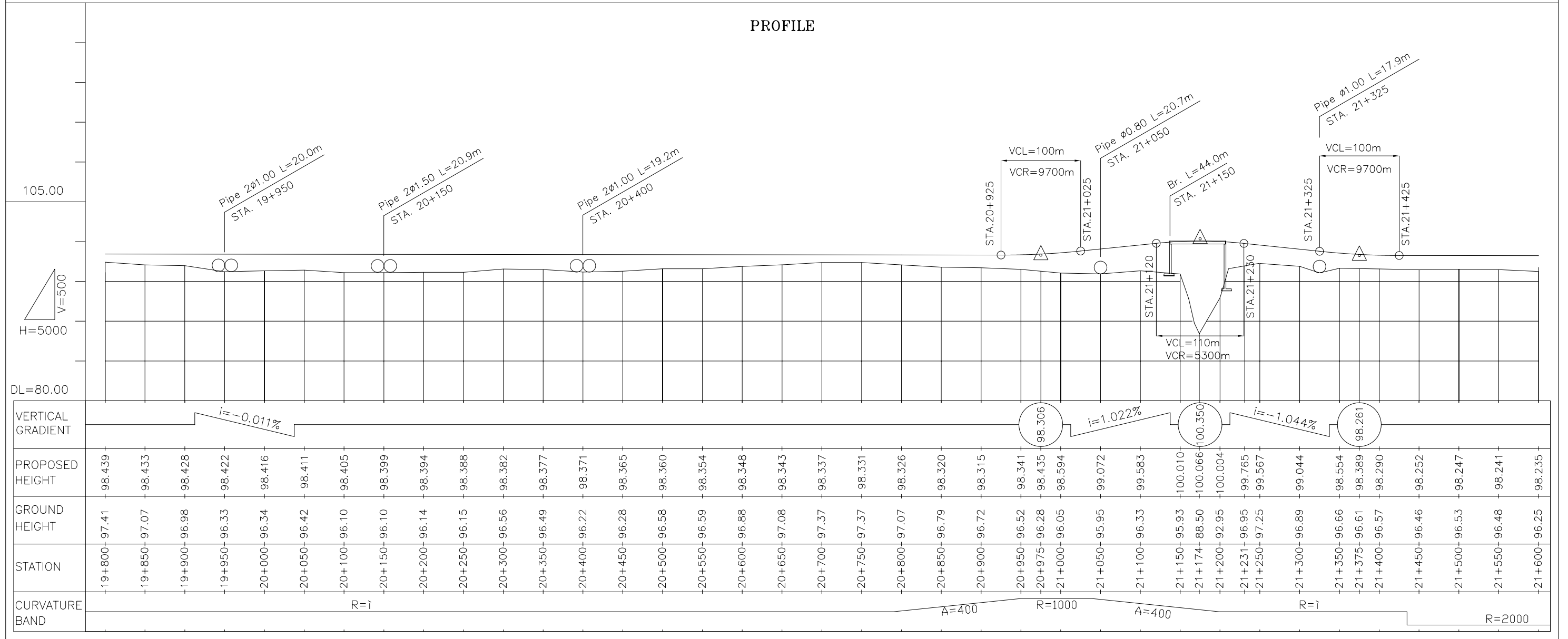
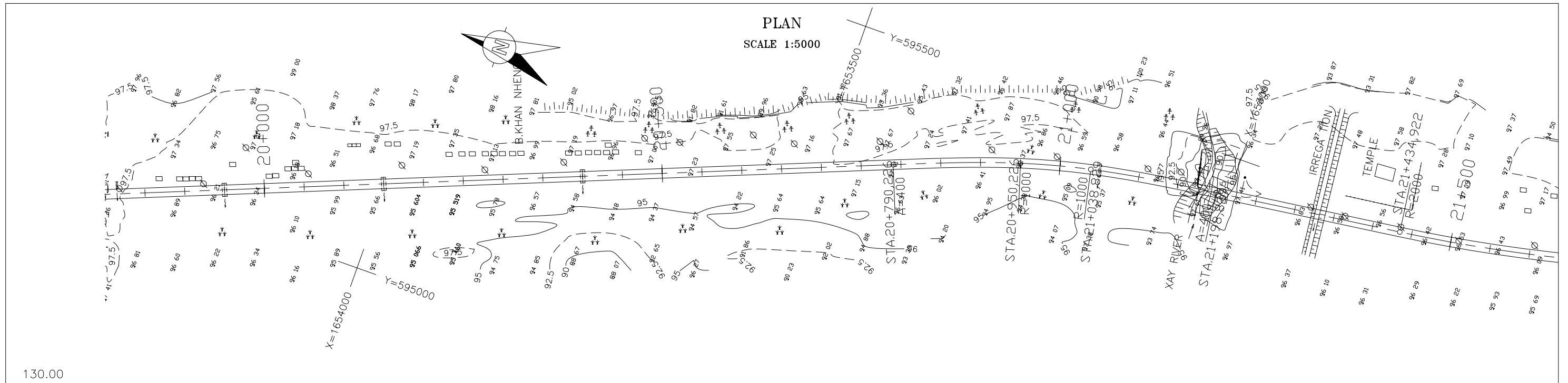


THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED	No. _____ REVISION _____ DATE _____	THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A PLAN & PROFILE STA. 16+200.000 TO 18+000.000		DESIGNED BY _____ CHECKED BY _____ APPROVED BY _____ DWG. NO. R14-PP-010

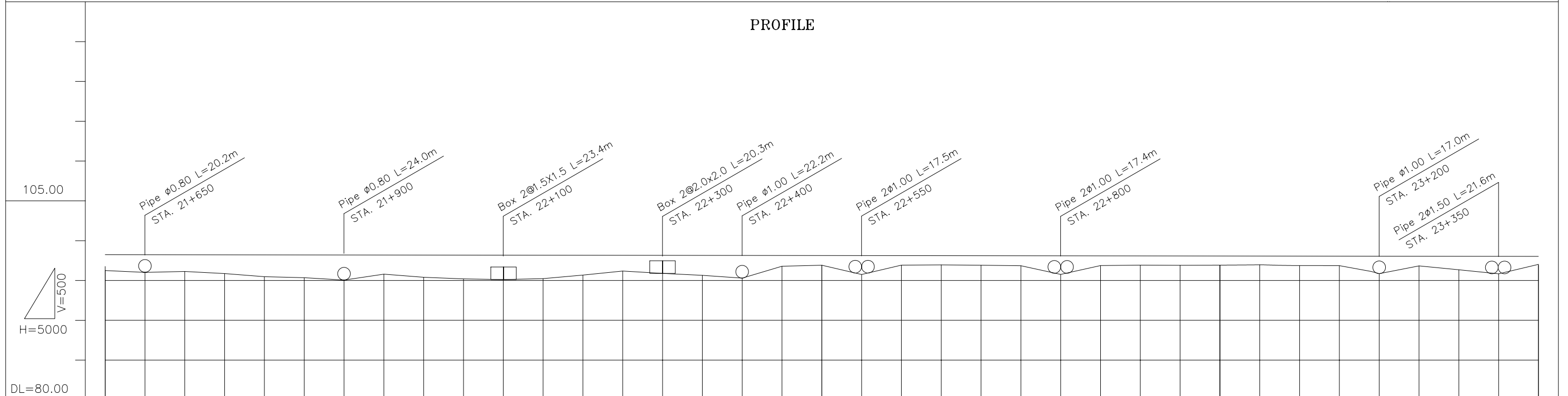
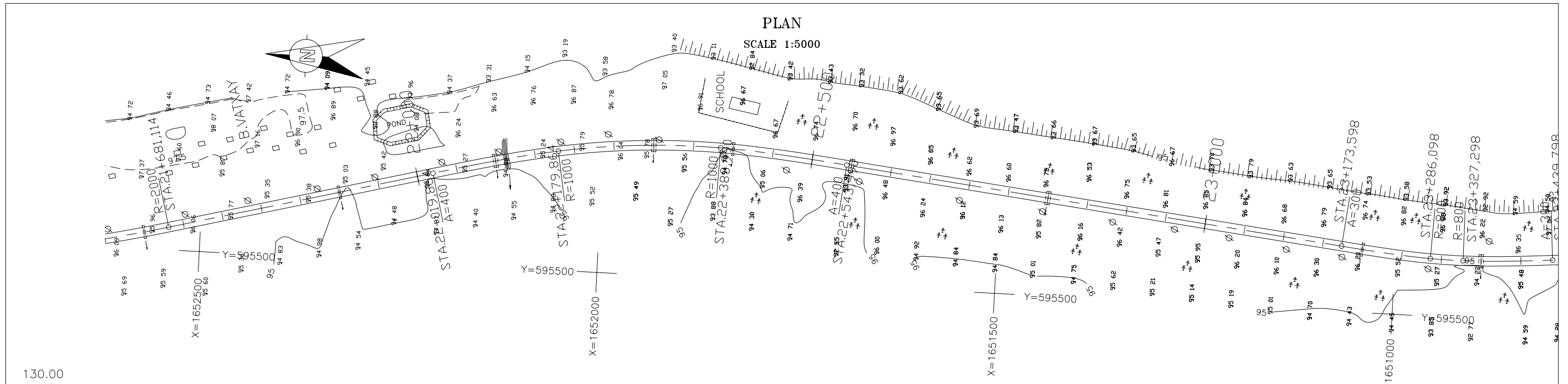


VERTICAL GRADIENT	1.323% $i = -1.346\%$ $i = -0.011\%$ $i = 1.461\%$ $i = -1.484\%$																																							
PROPOSED HEIGHT	99.977	100.600	100.833	100.589	99.954	99.282	98.776	98.603	98.598	98.592	98.586	98.627	98.762	98.989	99.674	100.404	100.889	100.947	100.884	100.387	99.646	98.950	98.717	98.576	98.524	98.519	98.513	98.507	98.501	98.496	98.490	98.484	98.479	98.473	98.467	98.462	98.456	98.450	98.445	98.439
GROUND HEIGHT	97.54	97.11	96.67	96.09	97.07	96.86	96.19	96.47	97.31	97.44	97.84	97.89	97.85	97.83	97.55	96.99	96.50	95.13	96.64	96.57	97.03	96.31	96.52	96.73	97.13	97.52	97.63	97.31	96.90	96.28	95.96	96.01	96.30	96.37	96.08	95.41	94.49	96.84	97.63	97.41
STATION	18+000	18+050	18+100	18+150	18+200	18+250	18+300	18+350	18+400	18+450	18+500	18+550	18+575	18+600	18+650	18+700	18+750	18+775	18+800	18+850	18+900	18+950	18+975	19+000	19+050	19+100	19+150	19+200	19+250	19+300	19+350	19+400	19+450	19+500	19+550	19+600	19+650	19+700	19+750	19+800
CURVATURE BAND	500		A=500										R=i										R=5000																	

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No.		REVISION	DATE

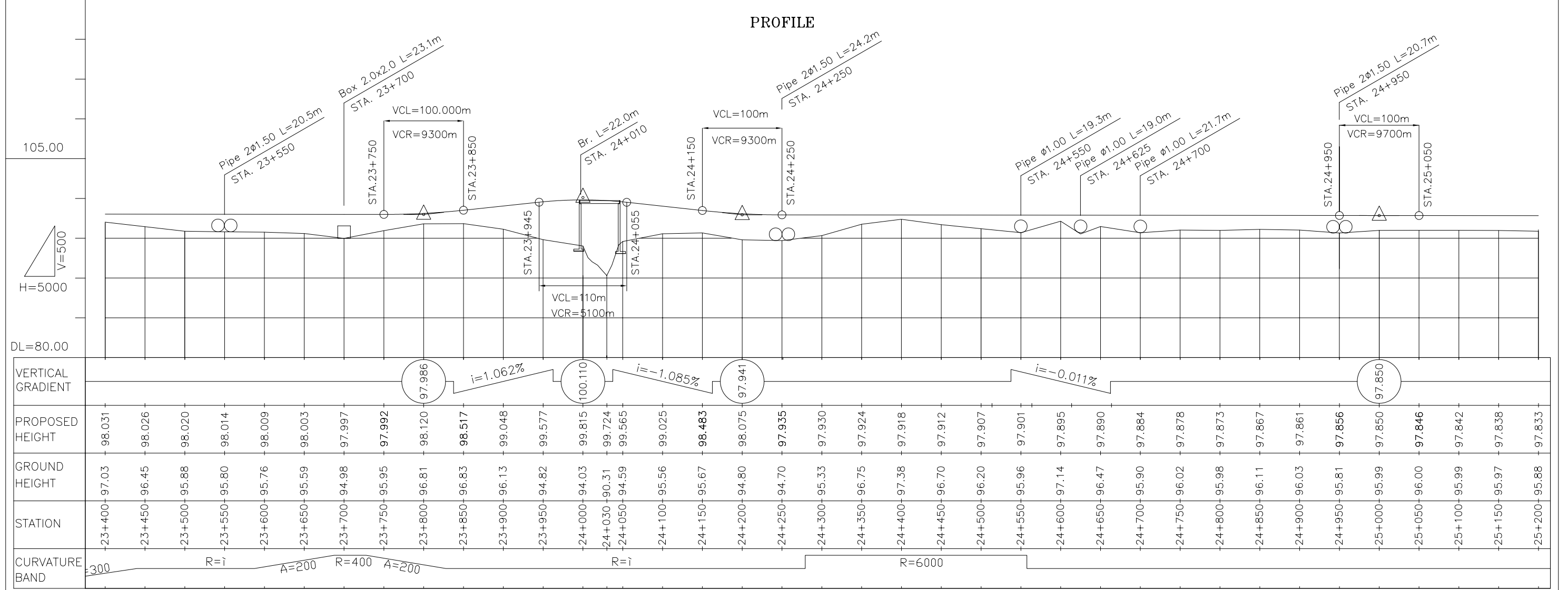
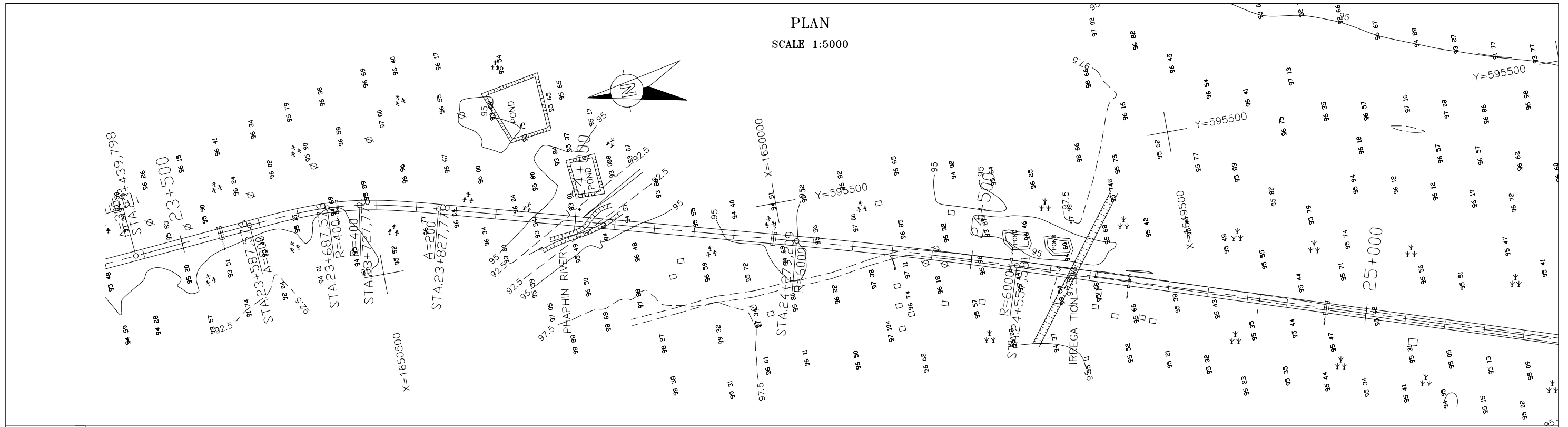


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		No.	REVISION
		DATE	

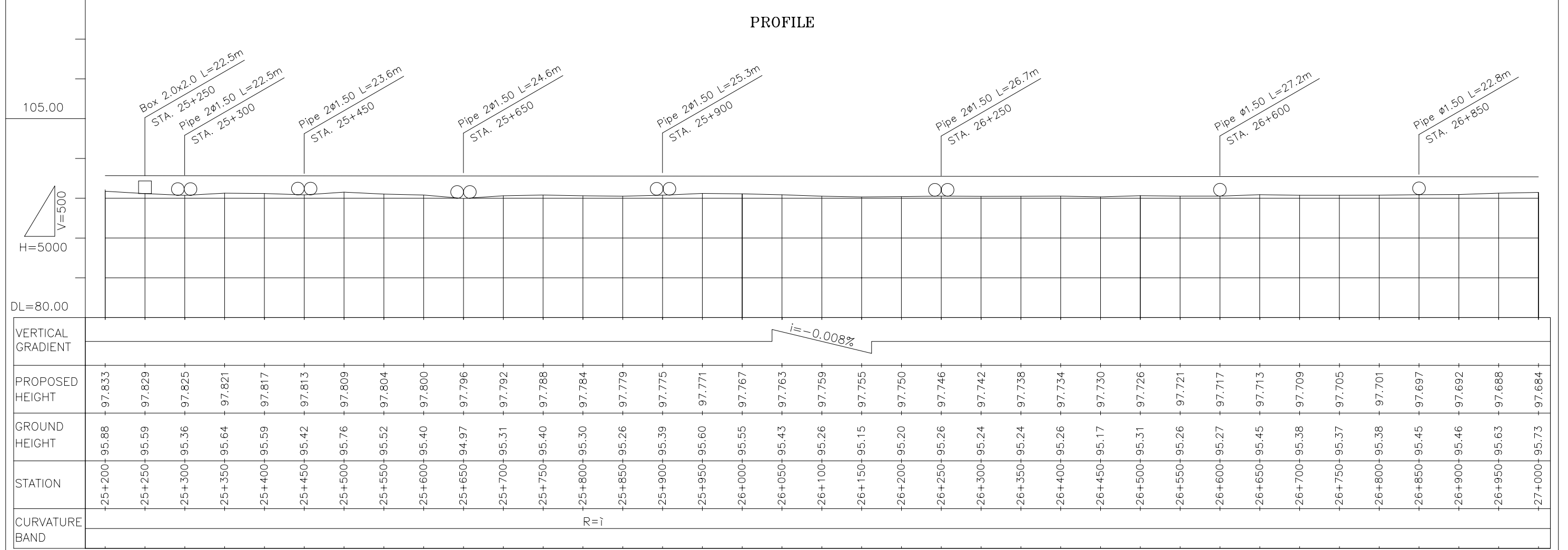
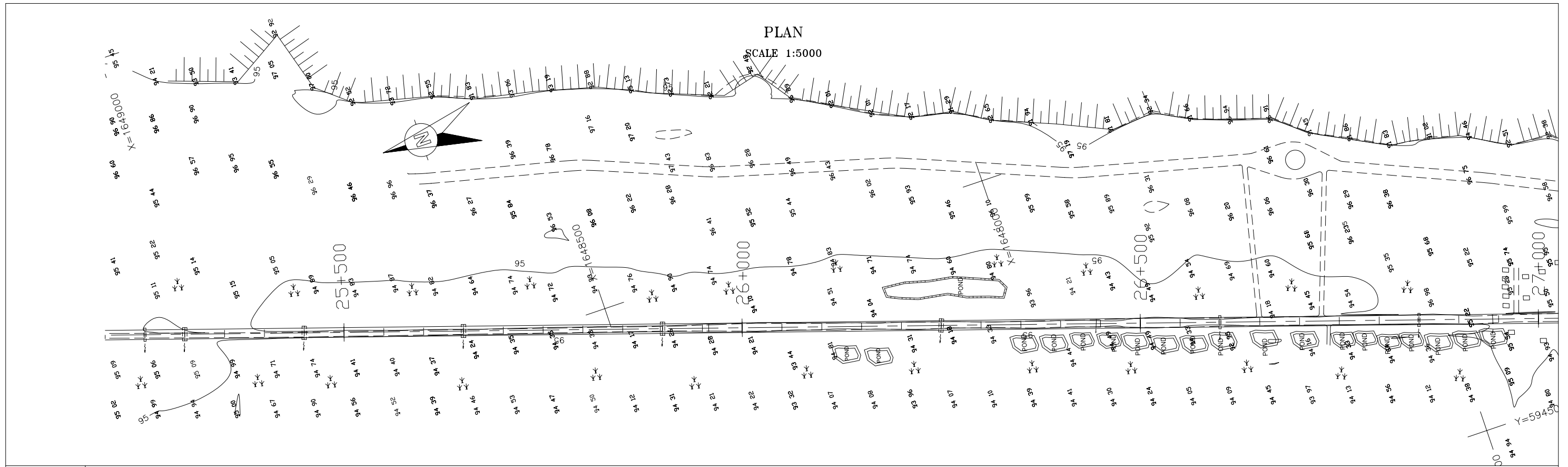


STATION	PROPOSED HEIGHT	GROUND HEIGHT	CURVATURE BAND
+21+600	98.235	96.25	R=∞
+21+650	98.229	96.02	
+21+700	98.224	96.13	R=∞
+21+750	98.218	95.87	
+21+800	98.212	95.48	R=∞
+21+850	98.207	95.35	
+21+900	98.201	95.05	R=∞
+21+950	98.196	95.79	
+22+000	98.190	95.40	A=400
+22+050	98.184	95.20	
+22+100	98.179	95.11	A=400
+22+150	98.173	95.23	
+22+200	98.167	95.68	R=1000
+22+250	98.162	96.18	
+22+300	98.156	95.89	A=400
+22+350	98.150	95.65	
+22+400	98.145	95.30	R=∞
+22+450	98.139	96.79	
+22+500	98.133	96.92	R=∞
+22+550	98.128	96.83	
+22+600	98.122	96.92	R=∞
+22+650	98.116	96.96	
+22+700	98.111	96.92	R=∞
+22+750	98.105	96.85	
+22+800	98.099	96.83	R=∞
+22+850	98.094	96.88	
+22+900	98.088	96.92	R=∞
+22+950	98.082	96.90	
+23+000	98.077	96.92	R=∞
+23+050	98.071	96.97	
+23+100	98.065	96.87	R=∞
+23+150	98.060	96.86	
+23+200	98.054	96.70	A=300
+23+250	98.048	96.83	
+23+300	98.043	96.35	R=800
+23+350	98.037	96.27	
+23+400	98.031	97.03	A=300

THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED	THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A PLAN & PROFILE STA. 21+600.000 TO 23+400.000	DESIGNED BY CHECKED BY APPROVED BY DWG. NO. R14-PP-013
		REVISION	DATE

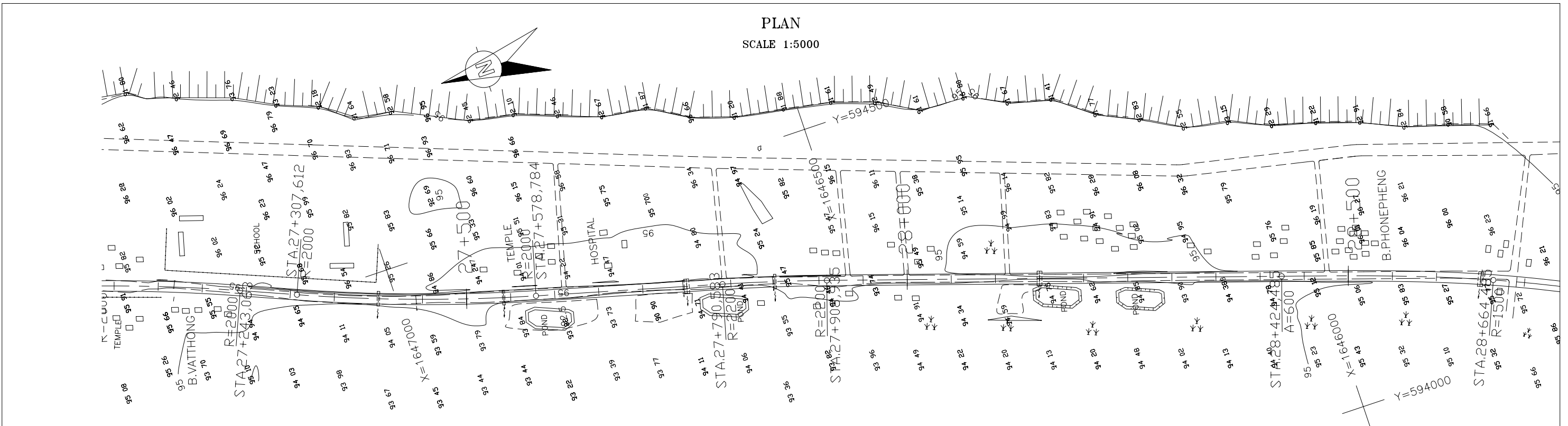


THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED	THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A PLAN & PROFILE STA. 23+400.000 TO 25+200.000	DESIGNED BY CHECKED BY APPROVED BY DWG. NO. R14-PP-014
No.	REVISION	DATE	

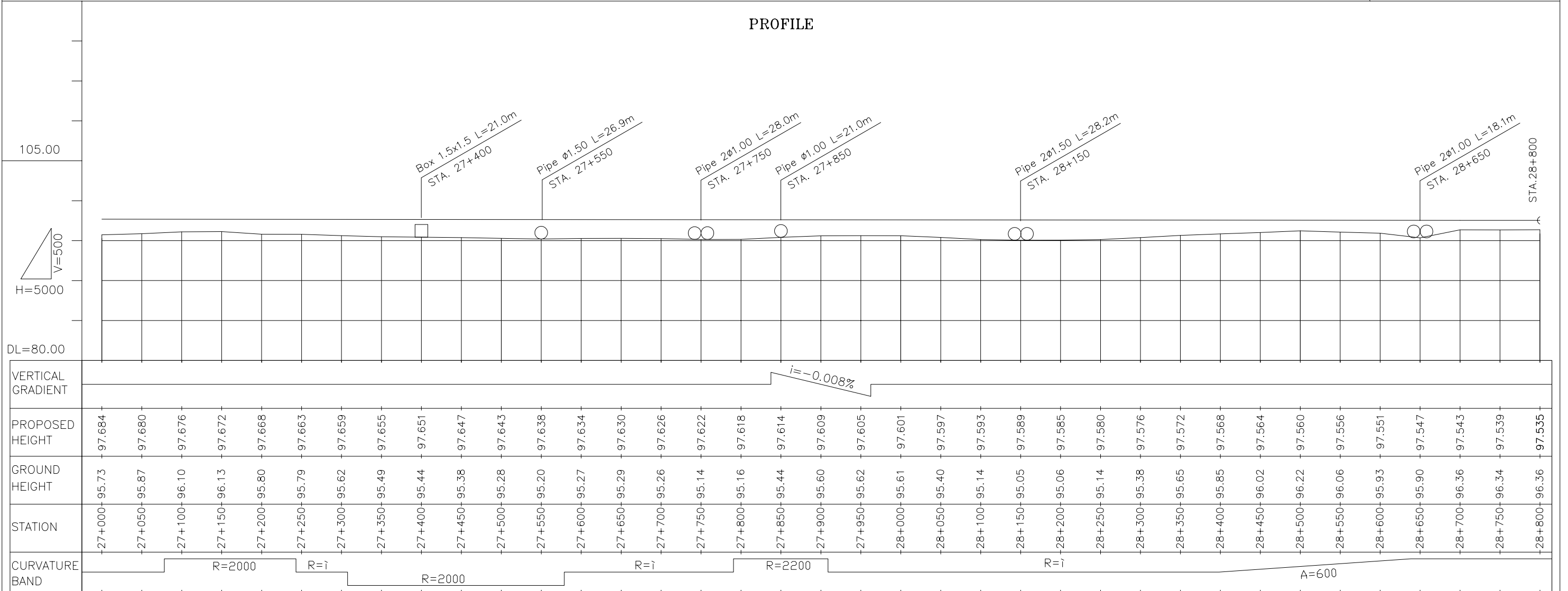


THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED			THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A PLAN & PROFILE STA. 25+200.000 TO 27+000.000	DESIGNED BY CHECKED BY APPROVED BY DWG. NO.	R14-PP-015
		No.	REVISION	DATE		

PLAN
SCALE 1:5000



PROFILE



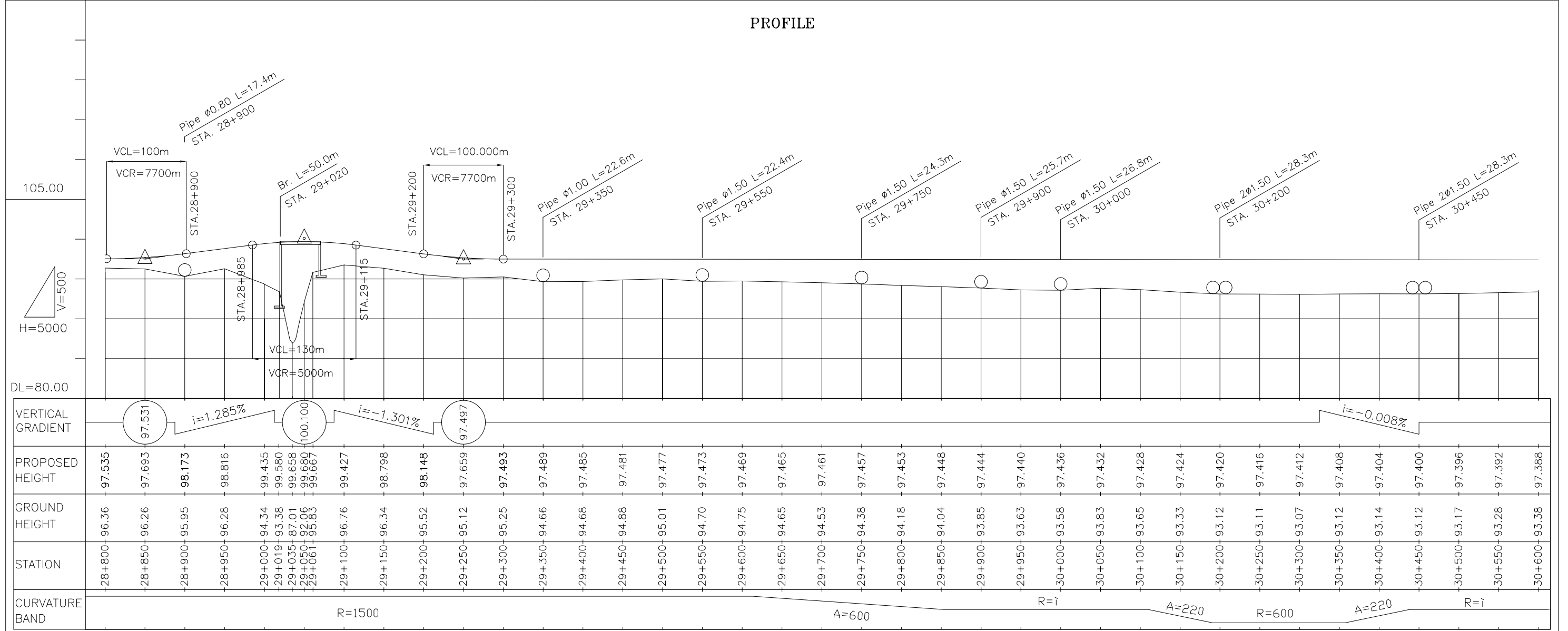
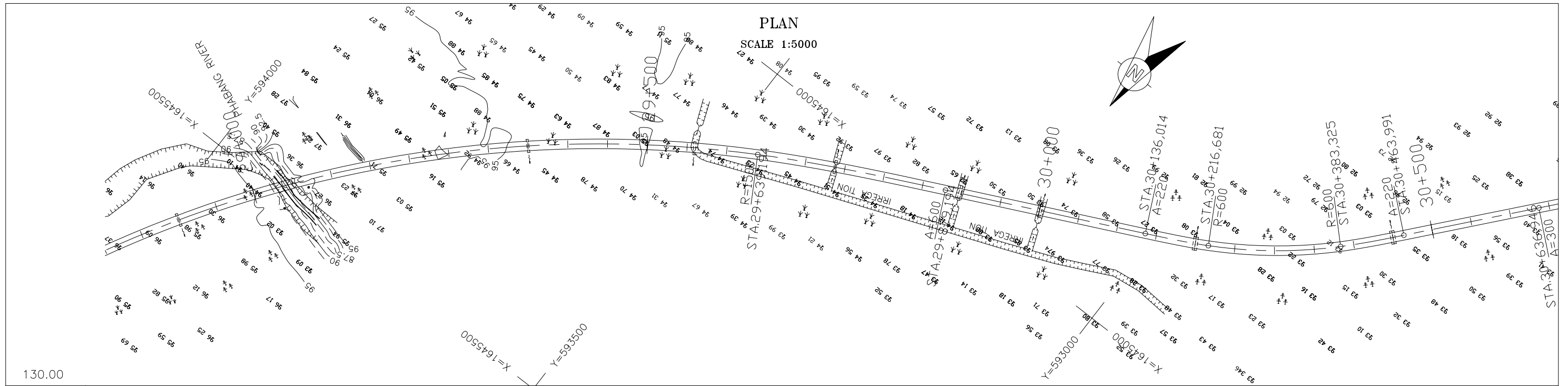
THE LAO PEOPLE'S DEMOCRATIC REPUBLIC
MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS COMPANY LIMITED
&
PADECO COMPANY LIMITED

No.	REVISION	DATE

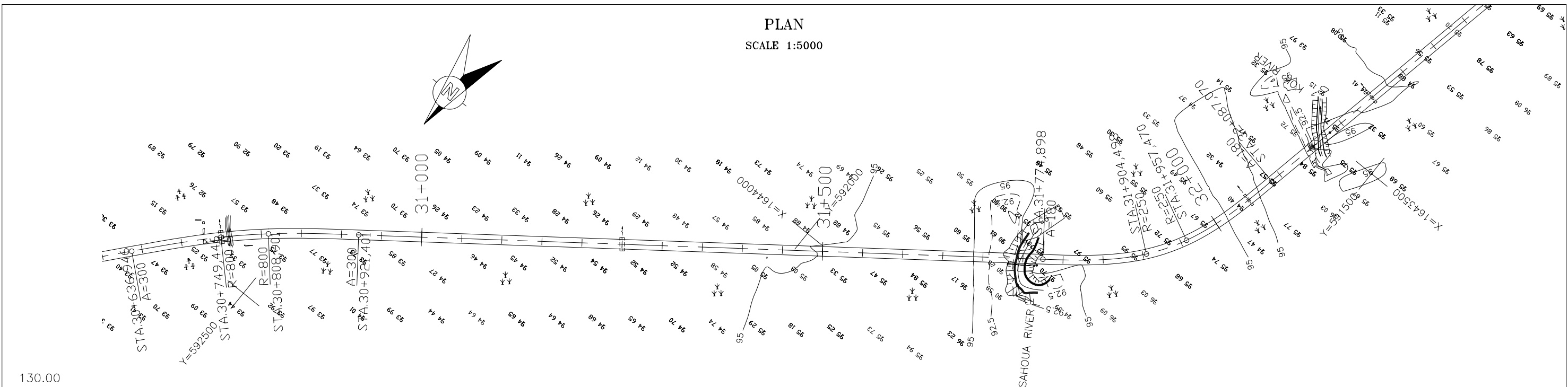
THE STUDY ON IMPROVEMENT OF ROADS IN
THE SOUTHERN REGION IN LAO P.D.R.
RT.14A
PLAN & PROFILE
STA. 27+000.000 TO 28+800.000

DESIGNED BY
CHECKED BY
APPROVED BY
DWG. NO. R14-PP-016

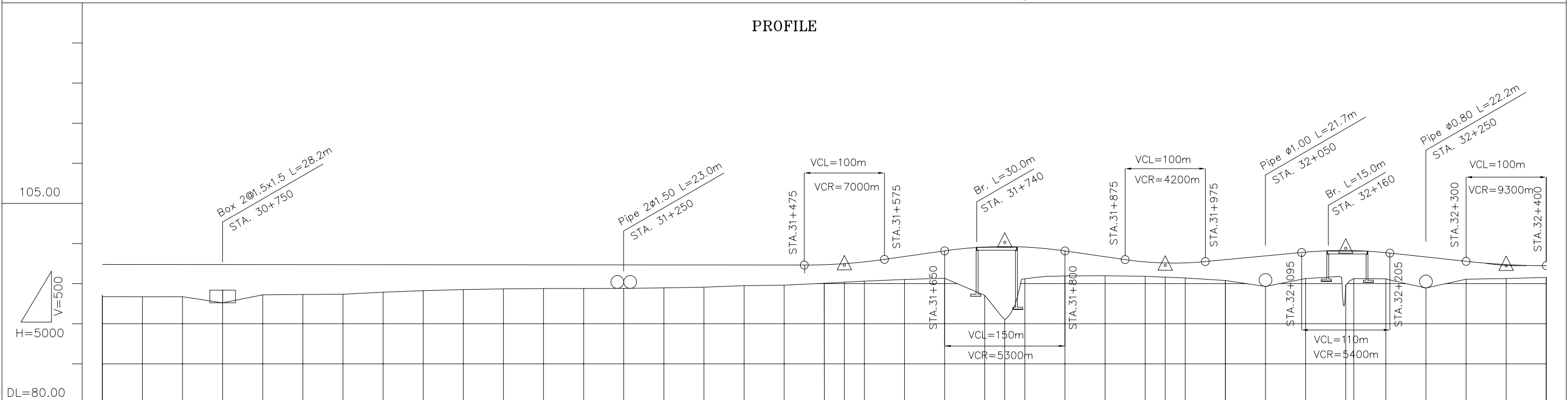


THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED			THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A PLAN & PROFILE STA. 28+800.000 TO 30+600.000	DESIGNED BY CHECKED BY APPROVED BY
		No.	REVISION	DATE	DWG. NO. R14-PP-017

PLAN
SCALE 1:5000

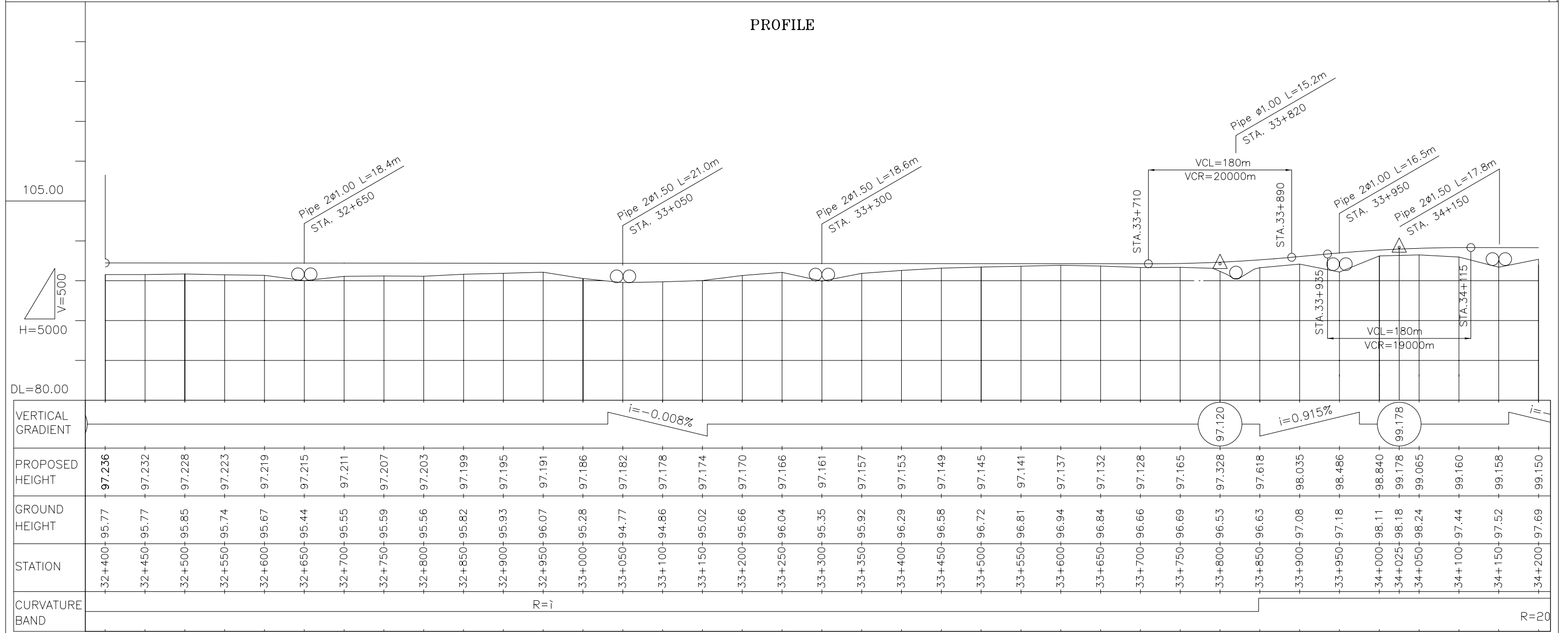
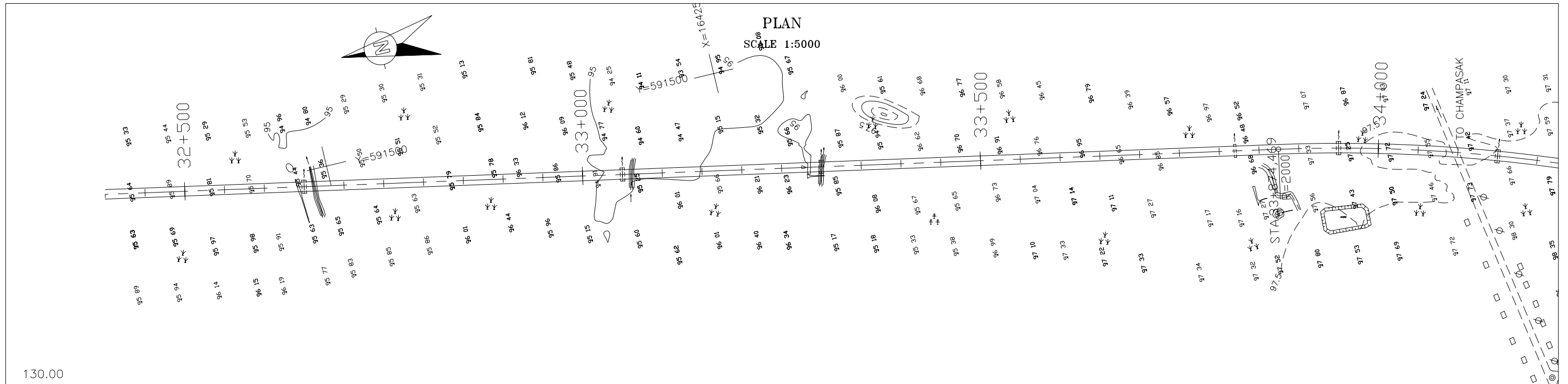


PROFILE

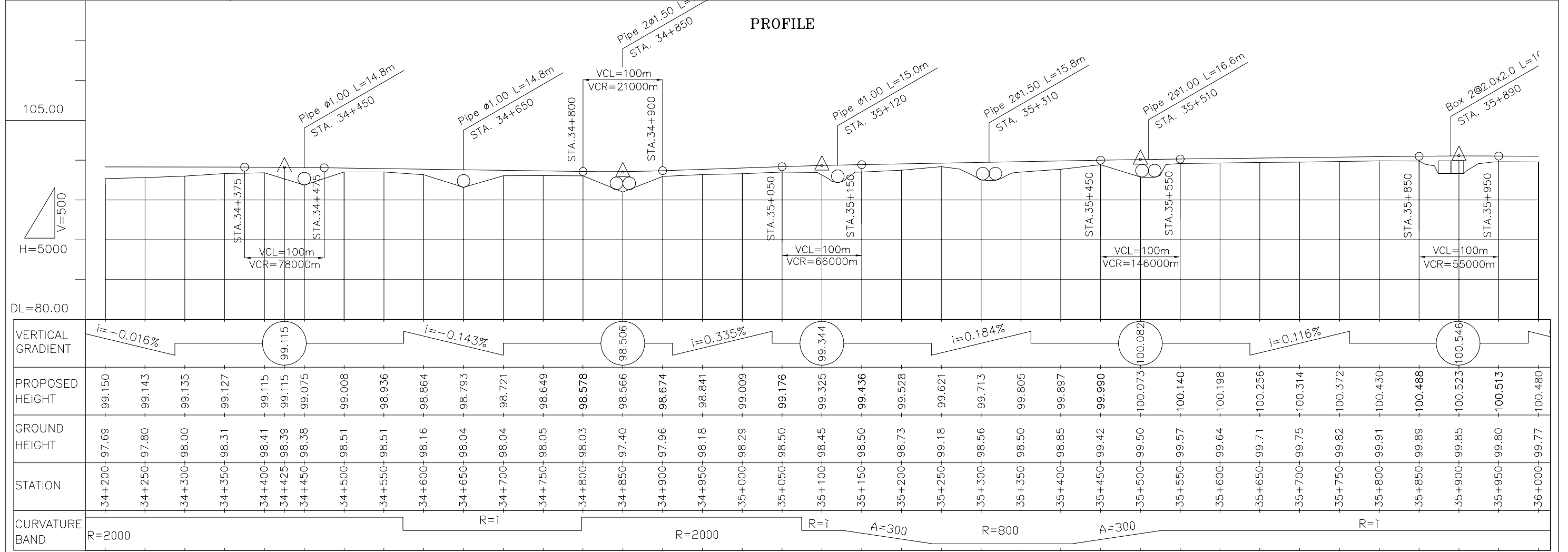
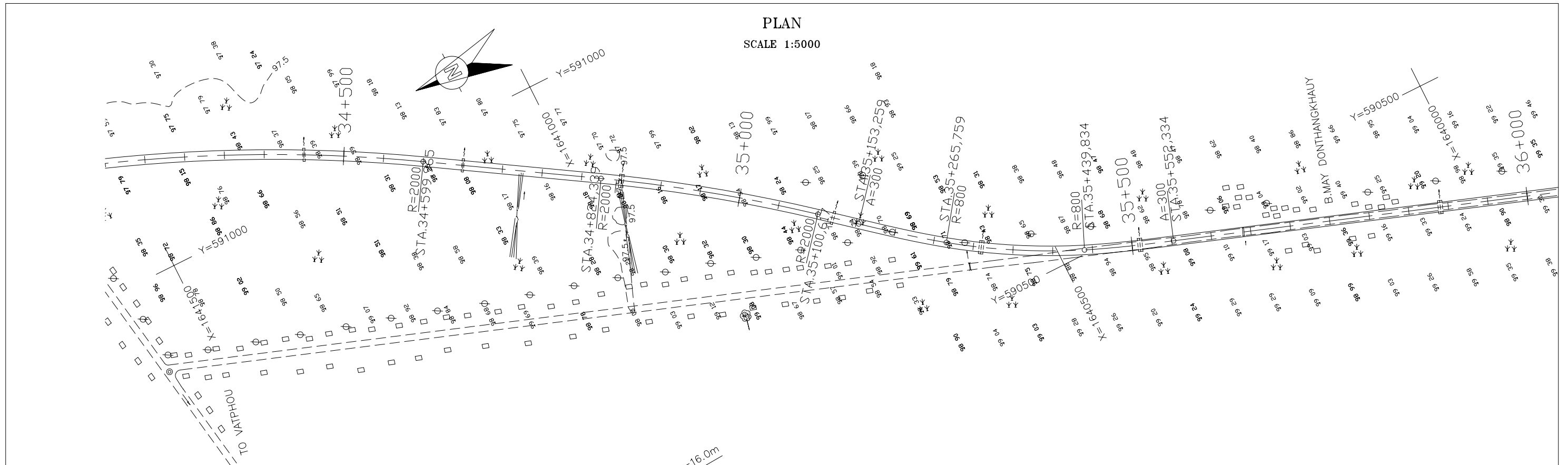


STATION	PROPOSED HEIGHT	GROUND HEIGHT	VERTICAL GRADIENT
30+600	97.388	93.38	
30+650	97.384	93.36	
30+700	97.380	93.37	
30+750	97.376	92.61	
30+800	97.372	93.60	
30+850	97.368	93.65	
30+900	97.364	93.68	
30+950	97.360	93.93	
31+000	97.355	94.12	
31+050	97.351	94.25	
31+100	97.347	94.34	
31+150	97.343	94.38	
31+200	97.339	94.38	
31+250	97.335	94.41	
31+300	97.331	94.47	
31+350	97.327	94.55	
31+400	97.323	94.75	
31+450	97.319	94.81	
31+500	97.360	95.04	97.313
31+525	97.491	95.17	i=1.419%
31+550	97.712	95.31	100.150
31+600	98.377	95.52	i=-1.437%
31+650	99.086	95.67	97.276
31+700	99.557	93.54	i=0.944%
31+730	99.55	90.55	99.400
31+750	99.553	95.60	i=-1.080%
31+800	99.072	95.96	97.240
31+850	98.354	95.98	
31+900	97.710	95.91	
31+925	97.574	95.80	
31+950	97.586	95.70	
32+000	97.984	95.39	
32+050	98.456	94.65	
32+100	98.926	95.63	
32+150	98.122	94.83	
32+180	98.106	95.63	
32+200	98.858	95.59	
32+250	98.320	94.46	
32+300	97.780	95.55	
32+350	97.374	95.64	
32+400	97.236	95.77	

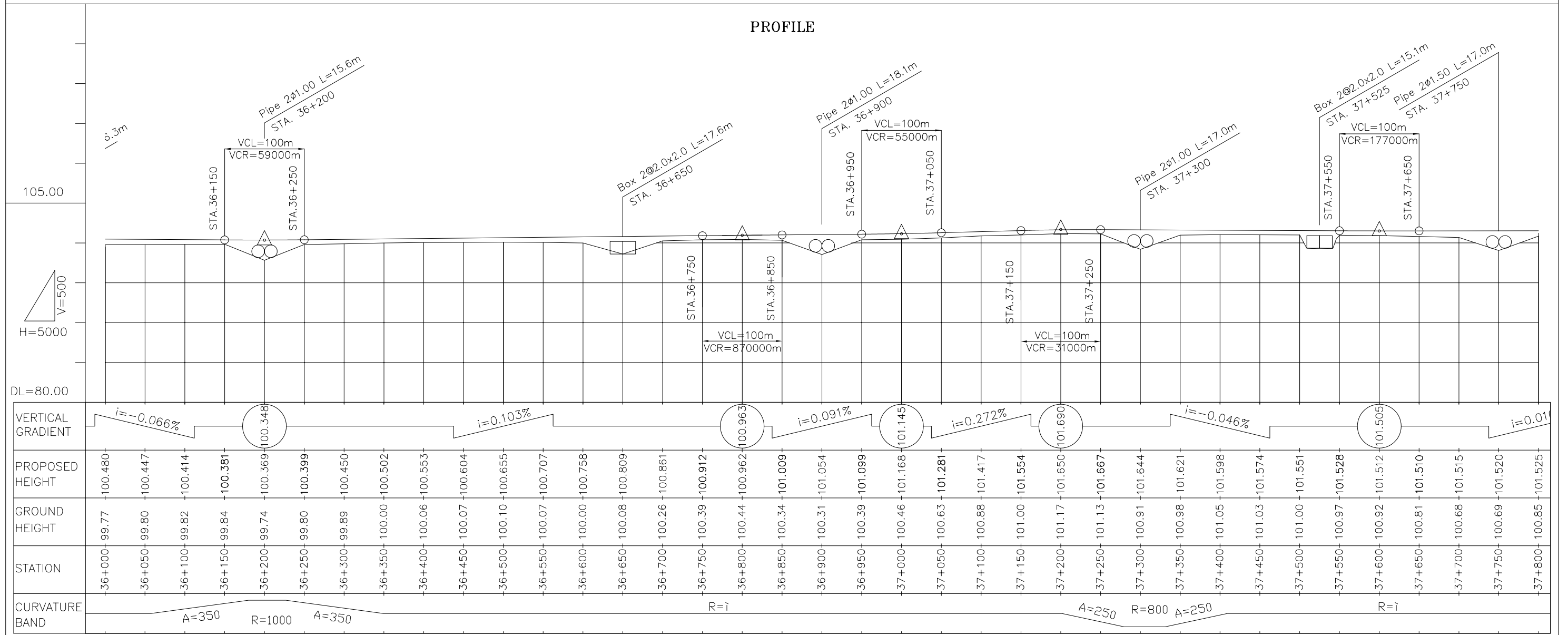
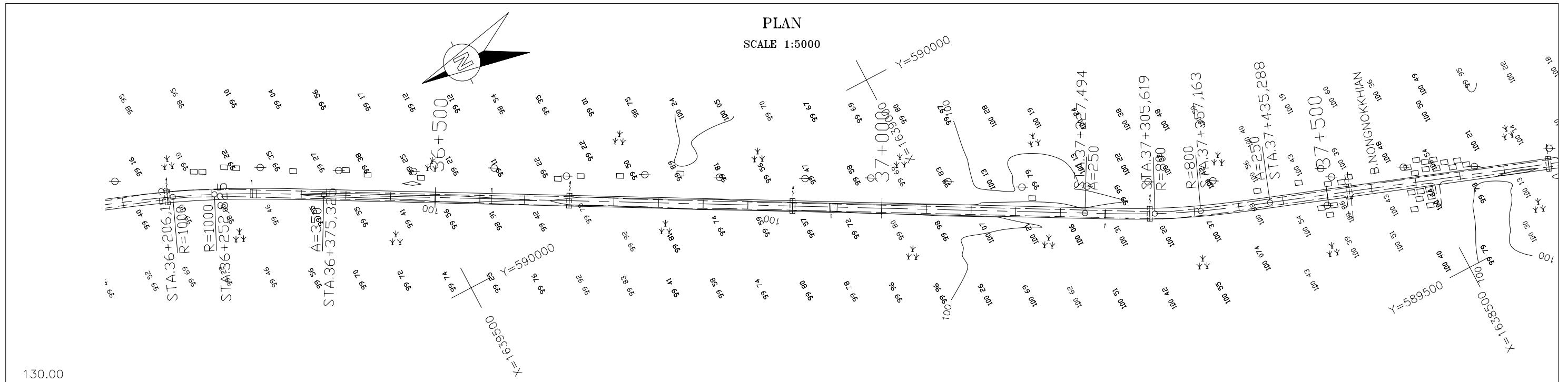
THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED	No.	REVISION	DATE	THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R.	DESIGNED BY
					RT.14A	CHECKED BY
					PLAN & PROFILE	APPROVED BY
					STA. 30+600.000 TO 32+400.000	DWG. NO.
						R14-PP-018



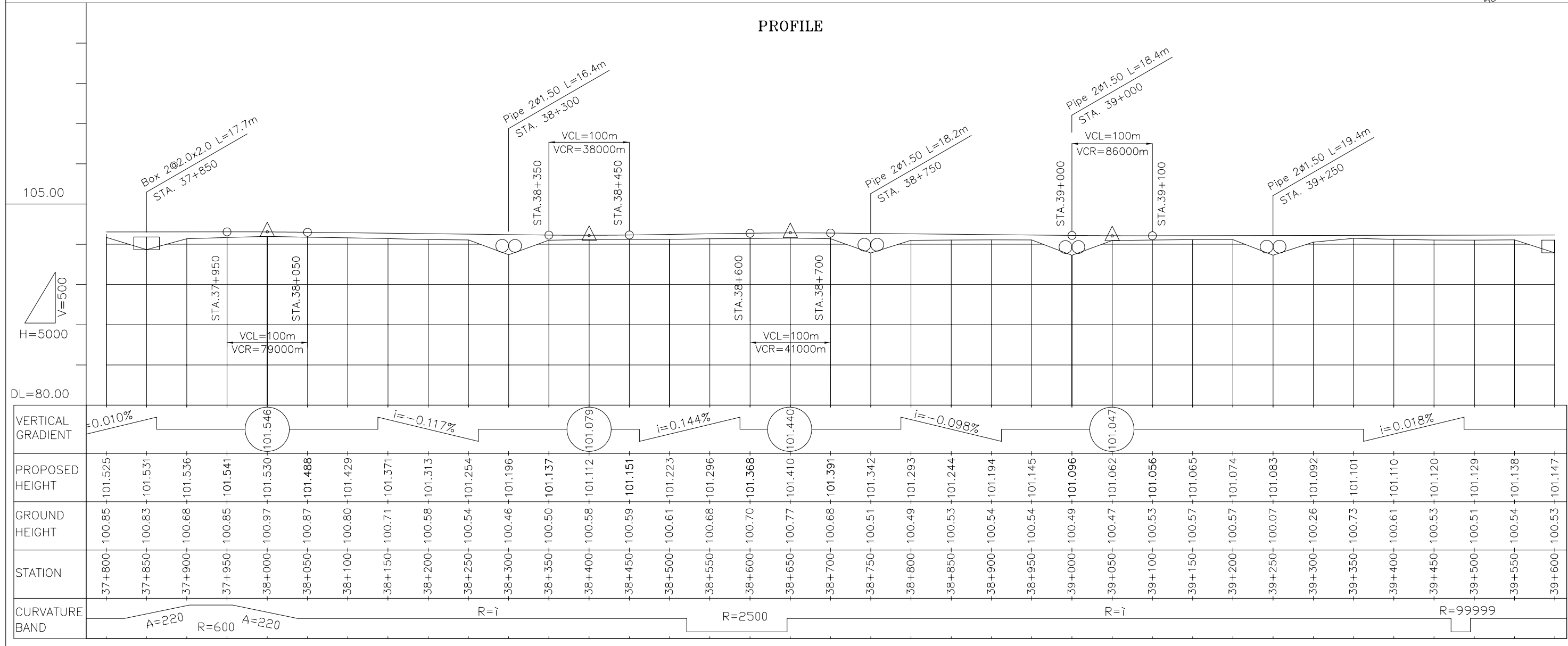
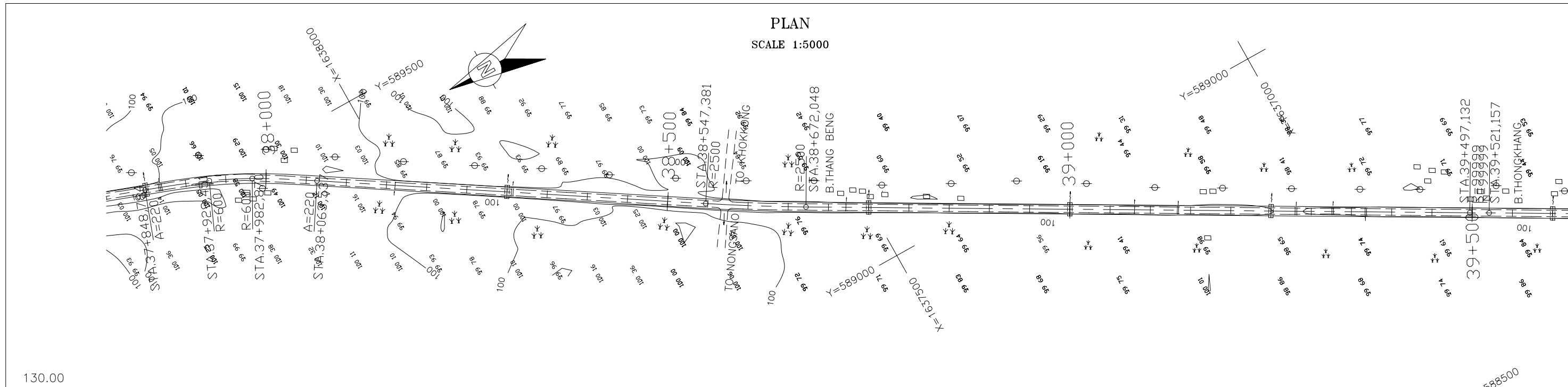
THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED	No.	REVISION	DATE	THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A PLAN & PROFILE STA. 32+400.000 TO 34+200.000	DESIGNED BY	
						CHECKED BY	
						APPROVED BY	
						DWG. NO.	R14-PP-019



THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED	THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A PLAN & PROFILE STA. 34+200.000 TO 36+000.000	DESIGNED BY CHECKED BY APPROVED BY DWG. NO. R14-PP-020
No. REVISION DATE			

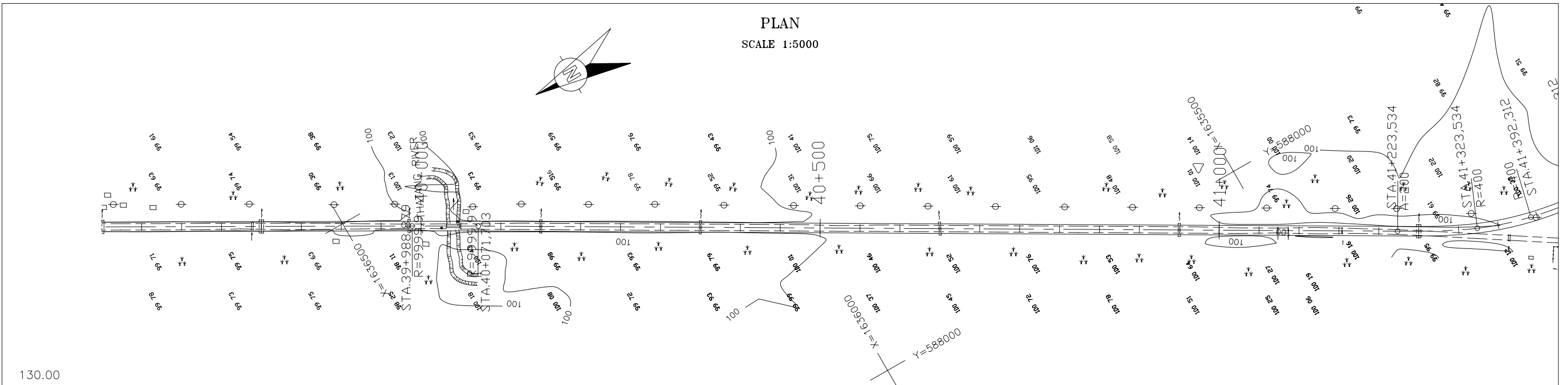


THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED		THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A PLAN & PROFILE STA. 36+000.000 TO 37+800.000	DESIGNED BY	
		No.		REVISION	DATE
				APPROVED BY	
				DWG. NO.	R14-PP-021

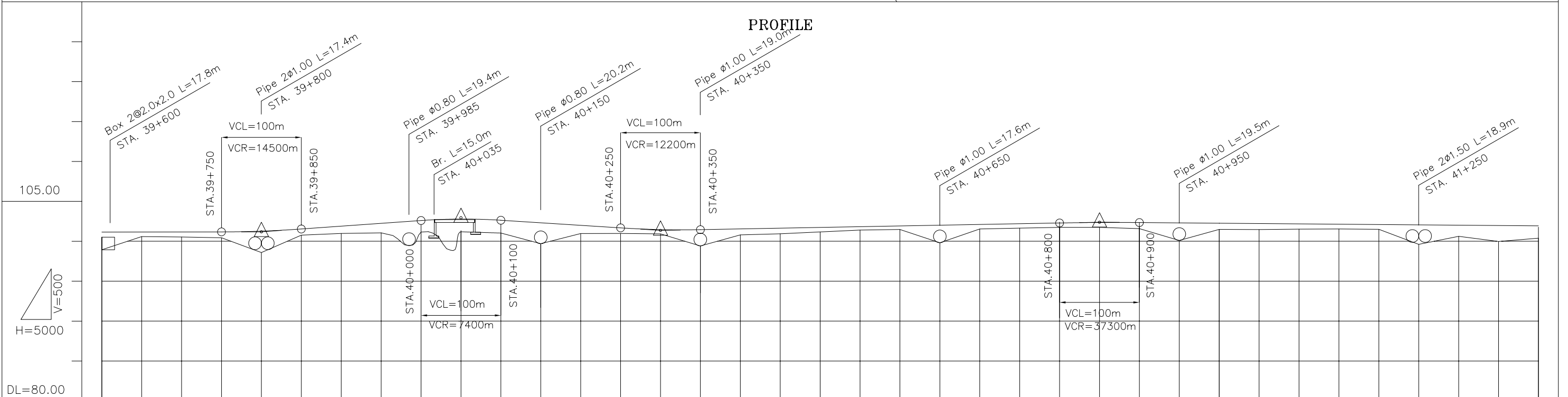


THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED			THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A PLAN & PROFILE STA. 37+800.000 TO 39+600.000	DESIGNED BY
					CHECKED BY
					APPROVED BY
		No.	REVISION	DATE	DWG. NO. R14-PP-022

PLAN
SCALE 1:5000



PROFILE



STATION	PROPOSED HEIGHT	GROUND HEIGHT	VERTICAL GRADIENT	CURVATURE BAND
39+600	101.147	100.53		R=∞
39+650	101.156	100.58		R=∞
39+700	101.165	100.54		R=∞
39+750	101.174	100.44		R=∞
39+800	101.269	100.55	i=0.707%	R=∞
39+850	101.536	100.76		R=∞
39+900	101.890	100.98		R=∞
39+950	102.243	101.06		R=∞
40+000	102.597	101.16		R=10000
40+050	102.782	101.19		R=10000
40+100	102.632	101.03		R=10000
40+150	102.314	100.97	i=-0.636%	R=10000
40+200	101.996	100.97		R=10000
40+250	101.678	100.98		R=10000
40+300	101.463	100.92		R=10000
40+350	101.453	100.83		R=10000
40+400	101.546	100.80		R=10000
40+450	101.639	100.93		R=10000
40+500	101.732	101.17		R=10000
40+550	101.825	101.40		R=10000
40+600	101.918	101.48		R=∞
40+650	102.011	101.47		R=∞
40+700	102.104	101.54		R=∞
40+750	102.197	101.64		R=∞
40+800	102.290	101.74		R=∞
40+850	102.349	101.74		R=∞
40+900	102.342	101.58		R=∞
40+950	102.301	101.47		R=∞
41+000	102.260	101.48		R=∞
41+050	102.219	101.46		R=∞
41+100	102.178	101.52		R=∞
41+150	102.137	101.54		R=∞
41+200	102.096	101.50		R=∞
41+250	102.055	101.49		R=∞
41+300	102.014	100.62		A=200
41+350	101.973	99.97		R=400
41+400	101.932	100.39		A=∞

THE LAO PEOPLE'S DEMOCRATIC REPUBLIC
MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS COMPANY LIMITED
&
PADECO COMPANY LIMITED

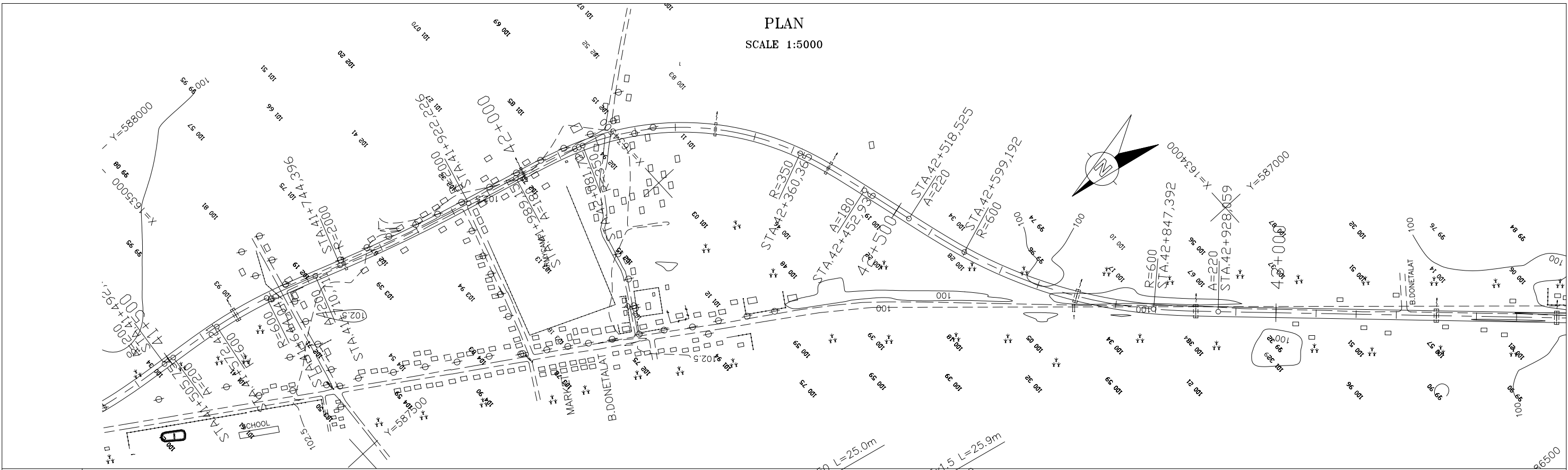
No.	REVISION	DATE

THE STUDY ON IMPROVEMENT OF ROADS IN
THE SOUTHERN REGION IN LAO P.D.R.
RT.14A
PLAN & PROFILE
STA. 39+600.000 TO 41+400.000

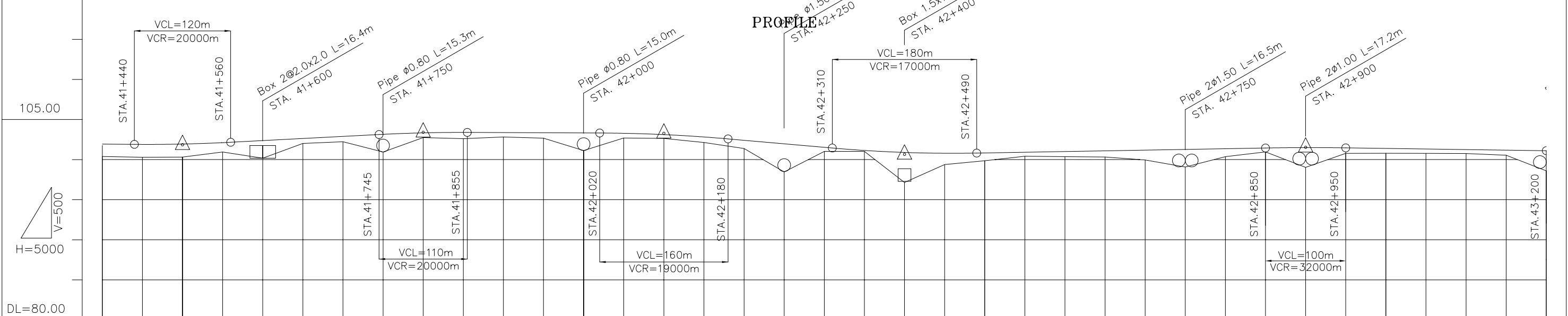
DESIGNED BY	
CHECKED BY	
APPROVED BY	
DWG. NO.	R14-PP-023

PLAN

SCALE 1:5000



PROFILE



VERTICAL GRADIENT	i=0.521%		i=-0.043%		i=-0.875%		i=0.175%		i=-0.141%																													
PROPOSED HEIGHT	101.932	101.894	101.940	102.113	102.371	102.631	102.891	103.151	103.334	103.390	103.369	103.347	103.325	103.280	103.116	102.821	102.407	101.969	101.531	101.140	100.892	100.656	100.790	100.831	100.919	101.007	101.095	101.182	101.270	101.358	101.445	101.493	101.462	101.392	101.321	101.250	101.179	101.109
GROUND HEIGHT	100.39	100.30	100.31	100.95	101.09	102.02	102.23	102.13	102.75	102.61	102.82	102.67	102.47	102.70	102.64	102.13	101.38	98.46	101.02	101.02	97.15	99.39	99.86	100.42	100.37	100.32	99.95	99.72	100.37	100.96	100.92	100.78	100.79	100.77	100.75	100.54	100.52	
STATION	41+400	41+450	41+500	41+550	41+600	41+650	41+700	41+750	41+800	41+850	41+900	41+950	42+000	42+050	42+100	42+150	42+200	42+250	42+300	42+350	42+400	42+450	42+500	42+550	42+600	42+650	42+700	42+750	42+800	42+850	42+900	42+950	43+000	43+050	43+100	43+150	43+200	
CURVATURE BAND	A=200 R=i		A=200 R=600		A=200 R=i		R=2000		R=i		A=180		R=350		A=180		R=i		A=220		R=600		A=220															

THE LAO PEOPLE'S DEMOCRATIC REPUBLIC
MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION

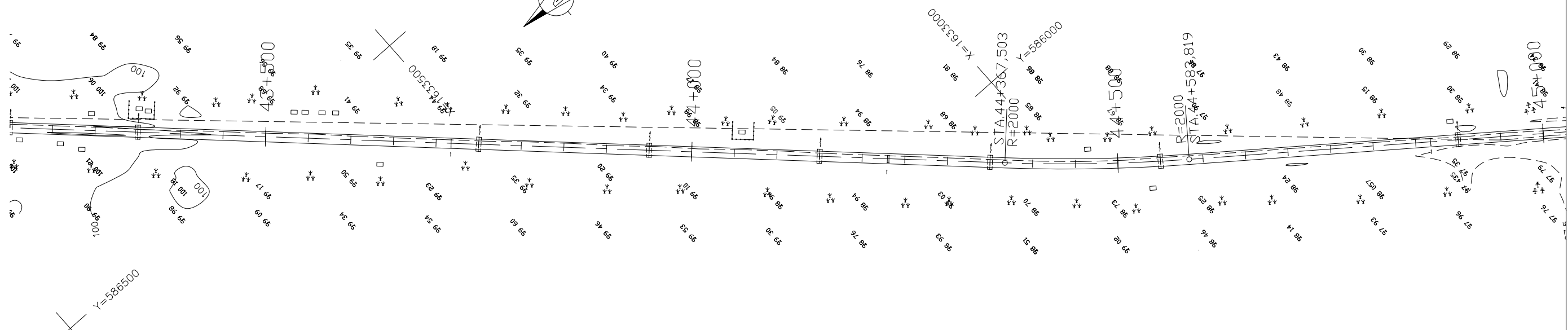
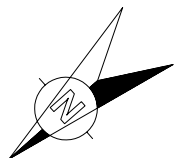
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS COMPANY LIMITED
&
PADECO COMPANY LIMITED

No.	REVISION	DATE

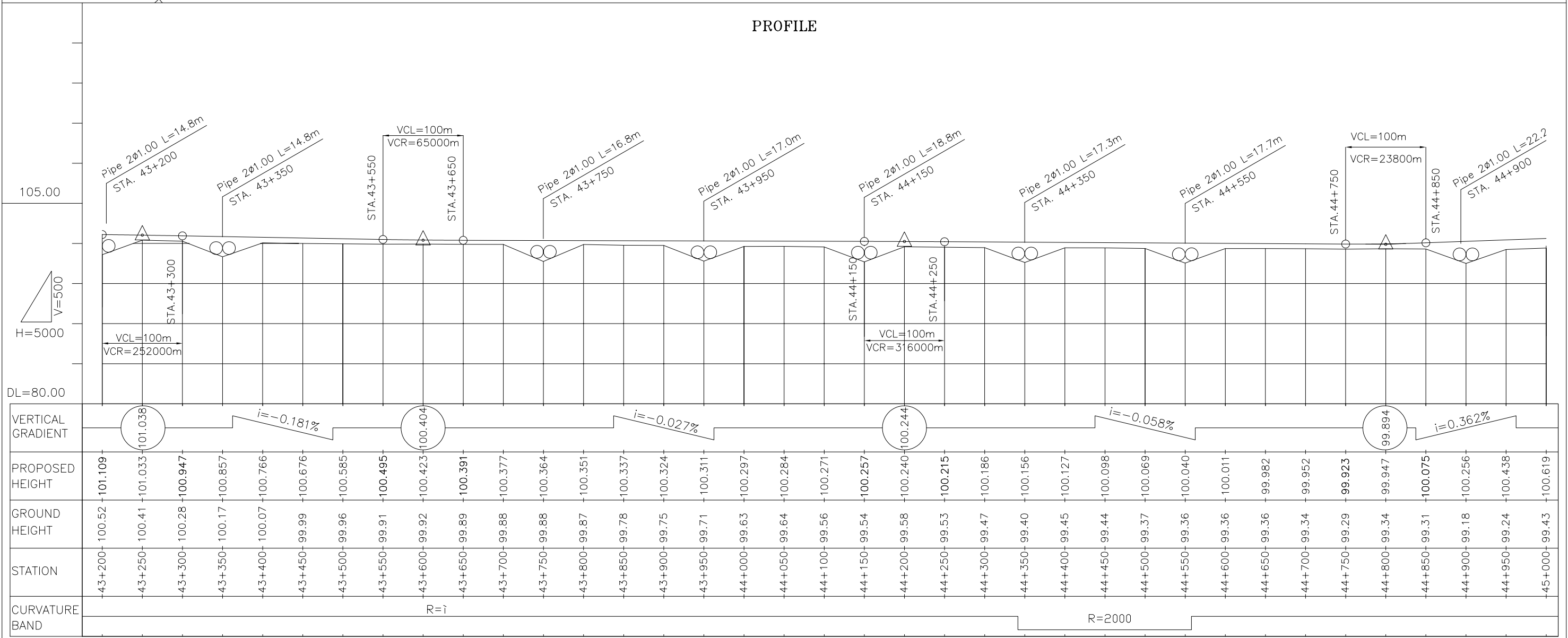
THE STUDY ON IMPROVEMENT OF ROADS IN
THE SOUTHERN REGION IN LAO P.D.R.
RT.14A PLAN & PROFILE
STA. 41+400.000 TO 43+200.000

DESIGNED BY	
CHECKED BY	
APPROVED BY	
DWG. NO.	R14-PP-024

PLAN
SCALE 1:5000



PROFILE



VERTICAL GRADIENT	101.038		$i = -0.181\%$		100.404		$i = -0.027\%$		100.244		$i = -0.058\%$		99.894		$i = 0.362\%$																						
PROPOSED HEIGHT	101.109	101.033	100.947	100.857	100.766	100.676	100.585	100.495	100.423	100.391	100.377	100.364	100.351	100.337	100.324	100.311	100.297	100.284	100.271	100.257	100.240	100.215	100.186	100.156	100.127	100.098	100.069	100.040	100.011	99.982	99.952	99.923	99.947	100.075	100.256	100.438	100.619
GROUND HEIGHT	100.52	100.41	100.28	100.17	100.07	99.99	99.96	99.91	99.92	99.89	99.88	99.88	99.87	99.78	99.75	99.71	99.63	99.64	99.56	99.54	99.58	99.53	99.47	99.40	99.45	99.44	99.37	99.36	99.36	99.36	99.34	99.29	99.34	99.31	99.18	99.24	99.43
STATION	43+200	43+250	43+300	43+350	43+400	43+450	43+500	43+550	43+600	43+650	43+700	43+750	43+800	43+850	43+900	43+950	44+000	44+050	44+100	44+150	44+200	44+250	44+300	44+350	44+400	44+450	44+500	44+550	44+600	44+650	44+700	44+750	44+800	44+850	44+900	44+950	45+000
CURVATURE BAND	R=i																R=2000																				

THE LAO PEOPLE'S DEMOCRATIC REPUBLIC
MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS COMPANY LIMITED
&
PADECO COMPANY LIMITED

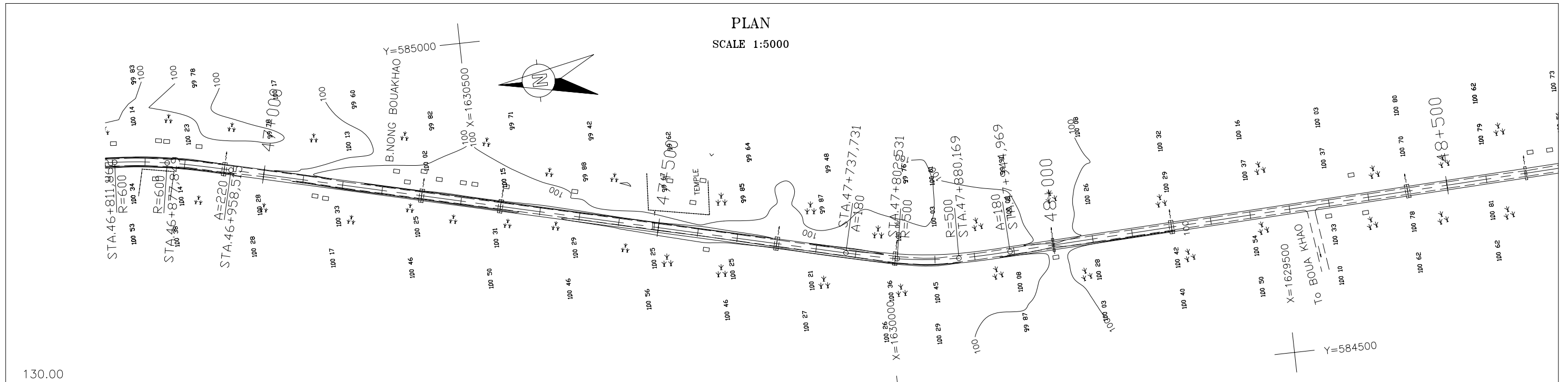
No.	REVISION	DATE

THE STUDY ON IMPROVEMENT OF ROADS IN
THE SOUTHERN REGION IN LAO P.D.R.
RT.14A PLAN & PROFILE
STA. 43+200.000 TO 45+000.000

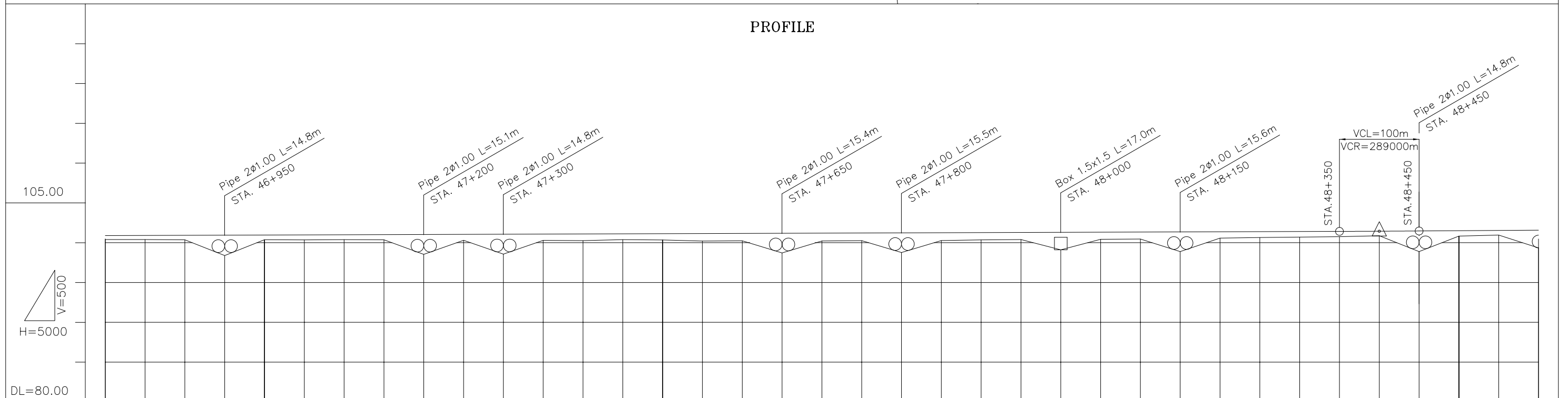
DESIGNED BY	
CHECKED BY	
APPROVED BY	
DWG. NO.	R14-PP-025

PLAN

SCALE 1:5000

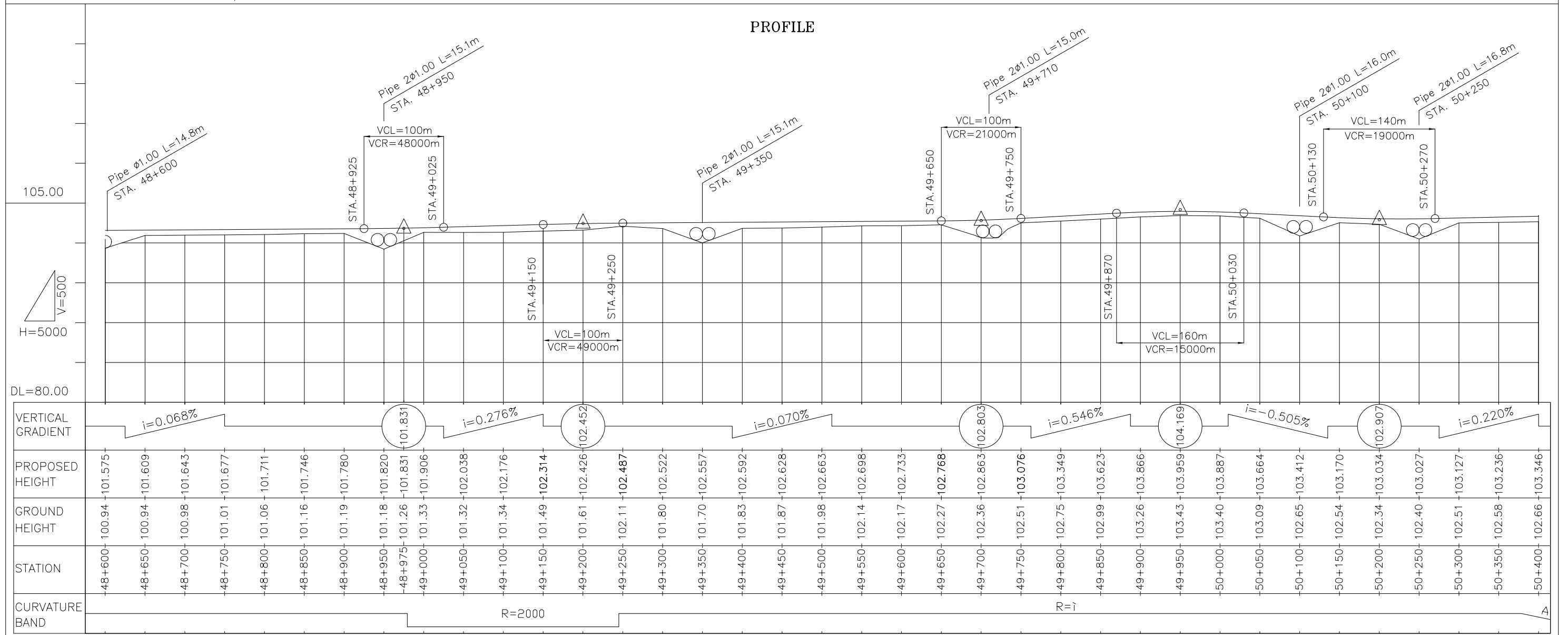
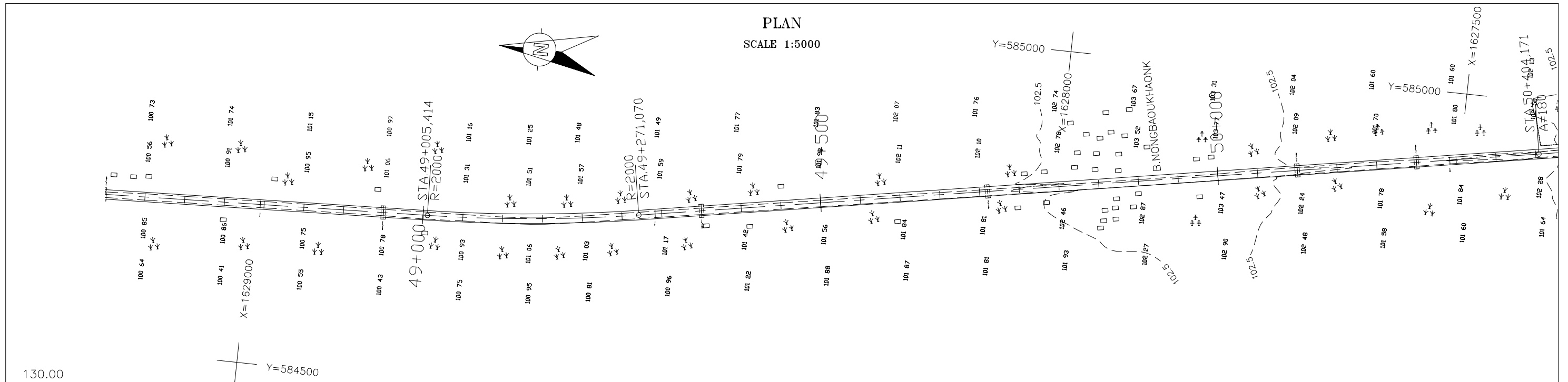


PROFILE

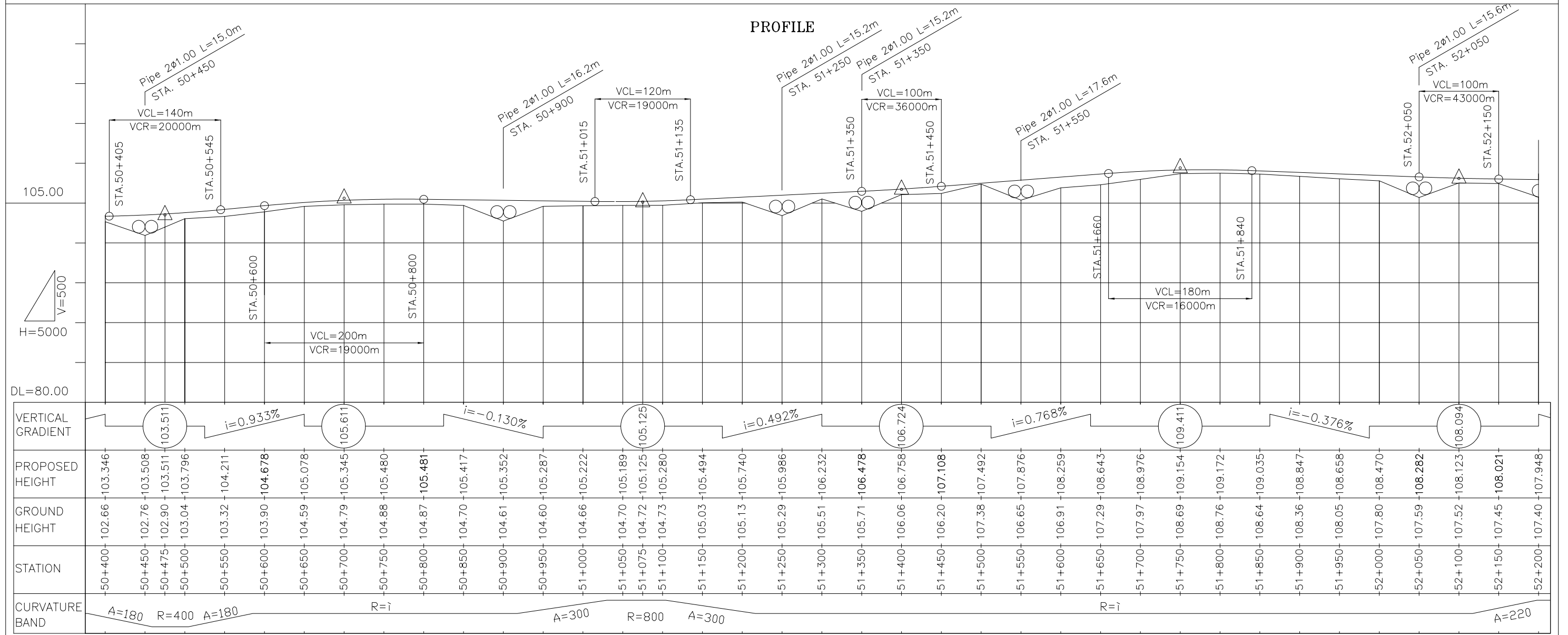
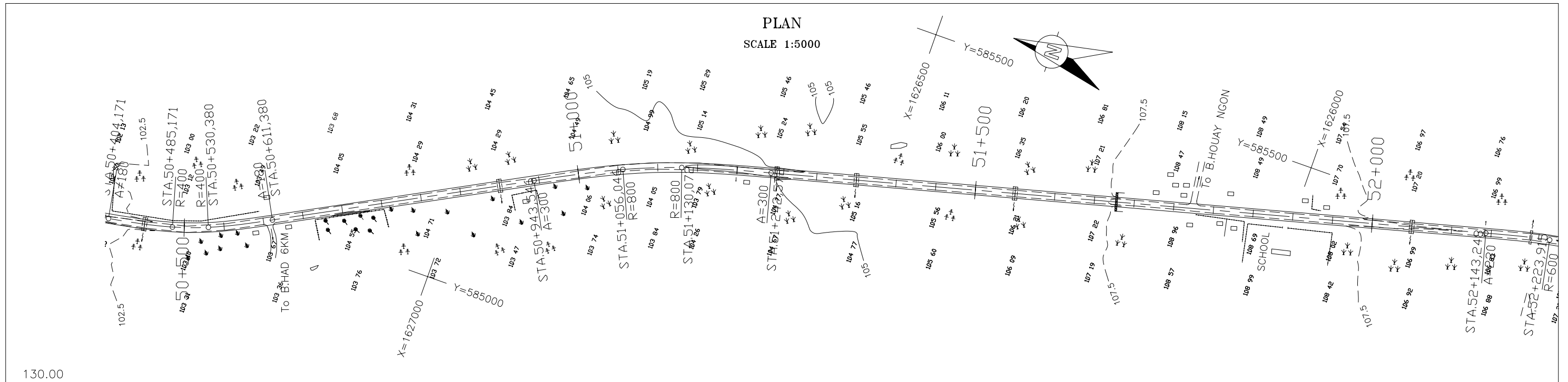


STATION	PROPOSED HEIGHT	GROUND HEIGHT	CURVATURE BAND
+46+800	+100.899	+100.39	R=600 A=220
+46+850	+100.916	+100.40	
+46+900	+100.932	+100.36	
+46+950	+100.949	+100.34	
+47+000	+100.966	+100.37	R=i
+47+050	+100.983	+100.36	
+47+100	+101.000	+100.39	
+47+150	+101.017	+100.37	
+47+200	+101.034	+100.33	
+47+250	+101.050	+100.30	
+47+300	+101.067	+100.27	
+47+350	+101.084	+100.30	
+47+400	+101.101	+100.26	
+47+450	+101.118	+100.39	
+47+500	+101.135	+100.35	A=180 R=500 A=180
+47+550	+101.152	+100.21	
+47+600	+101.168	+100.24	
+47+650	+101.185	+100.22	
+47+700	+101.202	+100.21	
+47+750	+101.219	+100.26	
+47+800	+101.236	+100.29	
+47+850	+101.253	+100.27	
+47+900	+101.269	+100.35	
+47+950	+101.286	+100.40	
+48+000	+101.303	+100.05	R=i
+48+050	+101.320	+100.43	
+48+100	+101.337	+100.46	
+48+150	+101.354	+100.47	
+48+200	+101.371	+100.57	
+48+250	+101.387	+100.65	
+48+300	+101.404	+100.70	
+48+350	+101.421	+100.76	
+48+400	+101.438	+100.87	
+48+450	+101.472	+100.85	
+48+500	+101.506	+100.83	
+48+550	+101.541	+100.96	
+48+600	+101.575	+100.94	

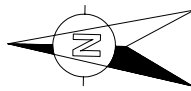
THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED	No.	REVISION	DATE	THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A	PLAN & PROFILE STA. 46+800.000 TO 48+600.000	DESIGNED BY	
							CHECKED BY	
							APPROVED BY	
							DWG. NO.	R14-PP-027



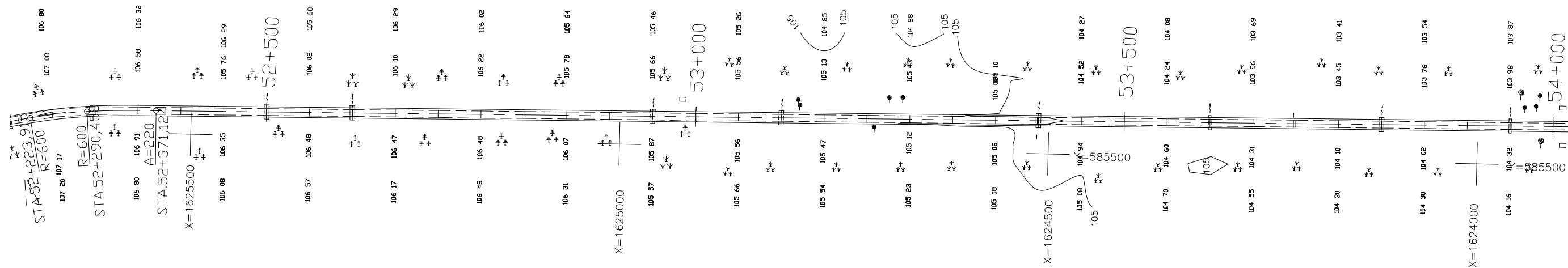
THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED	THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A PLAN & PROFILE STA. 48+600.000 TO 50+400.000	DESIGNED BY CHECKED BY APPROVED BY DWG. NO. R14-PP-028
No. REVISION DATE			



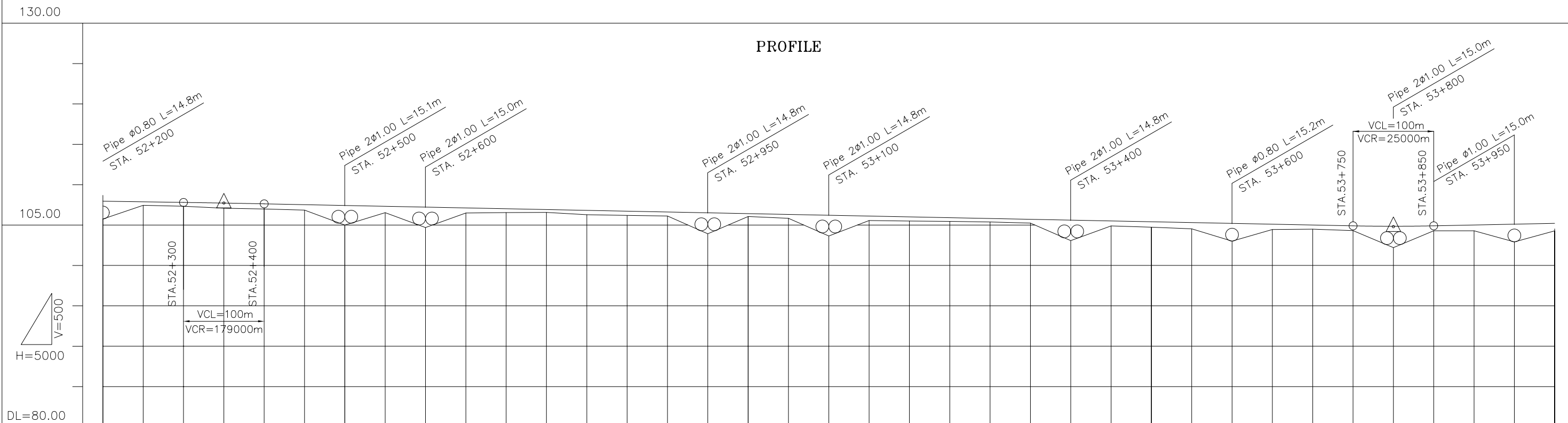
THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED	THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A PLAN & PROFILE STA. 50+400.000 TO 52+200.000	DESIGNED BY CHECKED BY APPROVED BY DWG. NO. R14-PP-029
No.	REVISION	DATE	



PLAN
SCALE 1:5000



PROFILE



VERTICAL GRADIENT	i = -0.146%		i = -0.202%																																			
PROPOSED HEIGHT	+52+200	+52+250	+52+300	+52+350	+52+400	+52+450	+52+500	+52+550	+52+600	+52+650	+52+700	+52+750	+52+800	+52+850	+52+900	+52+950	+53+000	+53+050	+53+100	+53+150	+53+200	+53+250	+53+300	+53+350	+53+400	+53+450	+53+500	+53+550	+53+600	+53+650	+53+700	+53+750	+53+800	+53+850	+53+900	+53+950	+54+000	
GROUND HEIGHT	107.40	107.44	107.33	107.08	106.99	106.85	106.56	106.53	106.48	106.49	106.55	106.56	106.28	106.20	106.13	106.08	106.06	105.83	105.64	105.56	105.50	105.45	105.38	105.25	105.19	104.89	104.73	104.54	104.42	104.45	104.49	104.32	104.29	104.29	104.29	104.27	104.28	
STATION	+52+200	+52+250	+52+300	+52+350	+52+400	+52+450	+52+500	+52+550	+52+600	+52+650	+52+700	+52+750	+52+800	+52+850	+52+900	+52+950	+53+000	+53+050	+53+100	+53+150	+53+200	+53+250	+53+300	+53+350	+53+400	+53+450	+53+500	+53+550	+53+600	+53+650	+53+700	+53+750	+53+800	+53+850	+53+900	+53+950	+54+000	
CURVATURE BAND	R=600 A=220		R=i																																			

THE LAO PEOPLE'S DEMOCRATIC REPUBLIC
MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION

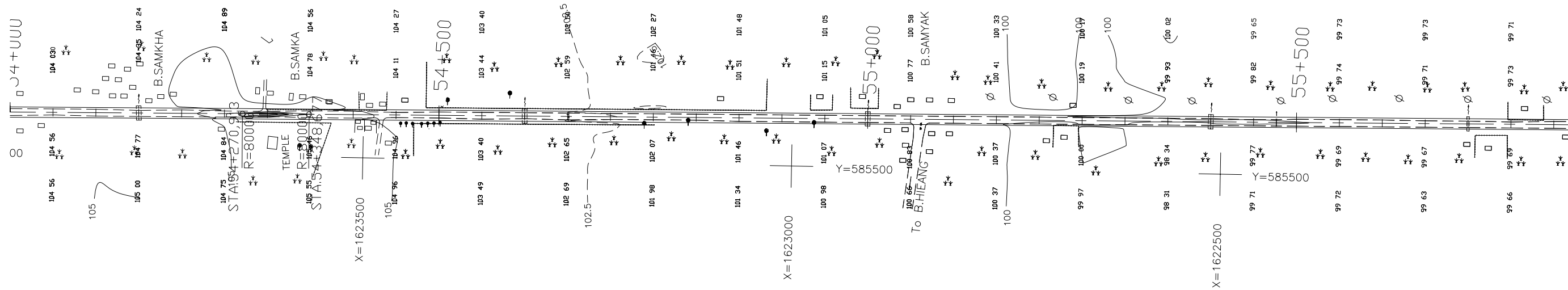
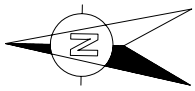
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS COMPANY LIMITED
&
PADECO COMPANY LIMITED

No.	REVISION	DATE

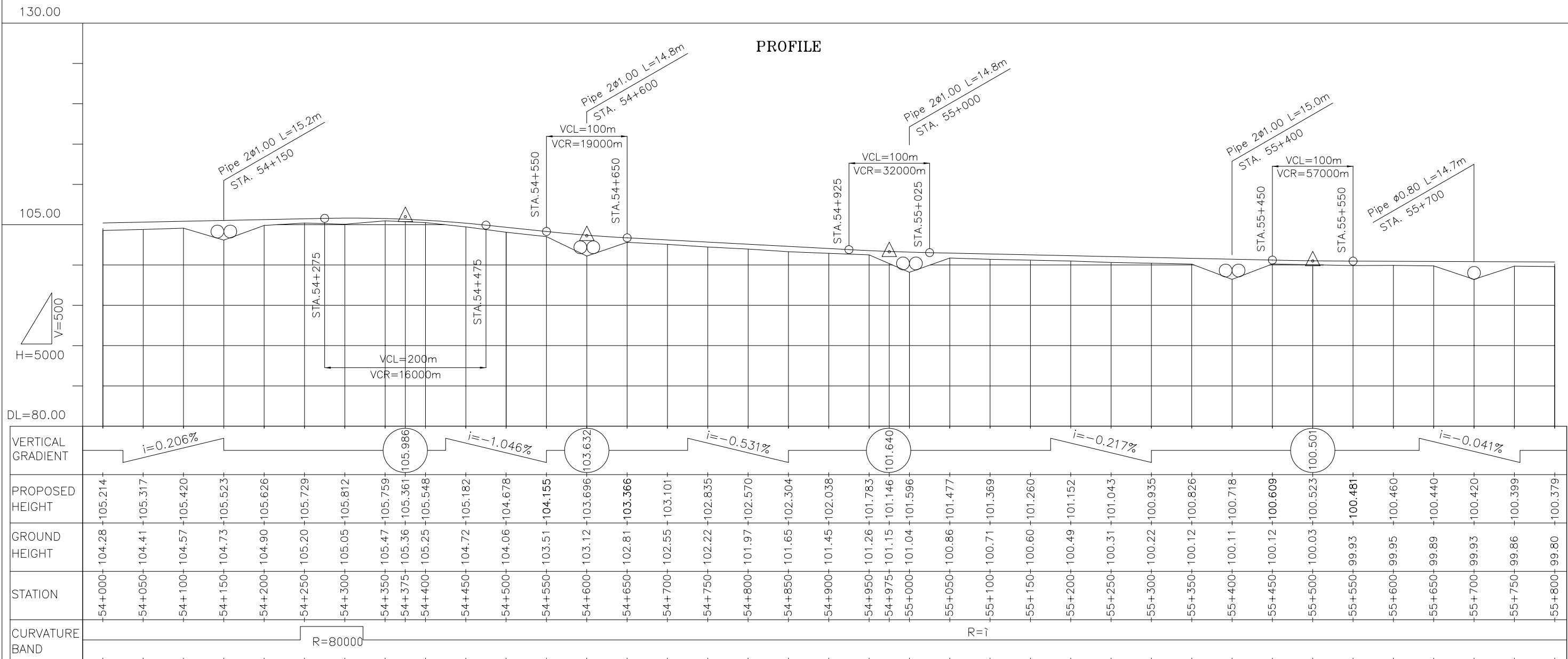
THE STUDY ON IMPROVEMENT OF ROADS IN
THE SOUTHERN REGION IN LAO P.D.R.
RT.14A
PLAN & PROFILE
STA. 52+200.000 TO 54+000.000

DESIGNED BY	
CHECKED BY	
APPROVED BY	
DWG. NO.	R14-PP-030

PLAN
SCALE 1:5000



PROFILE



THE LAO PEOPLE'S DEMOCRATIC REPUBLIC
MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION

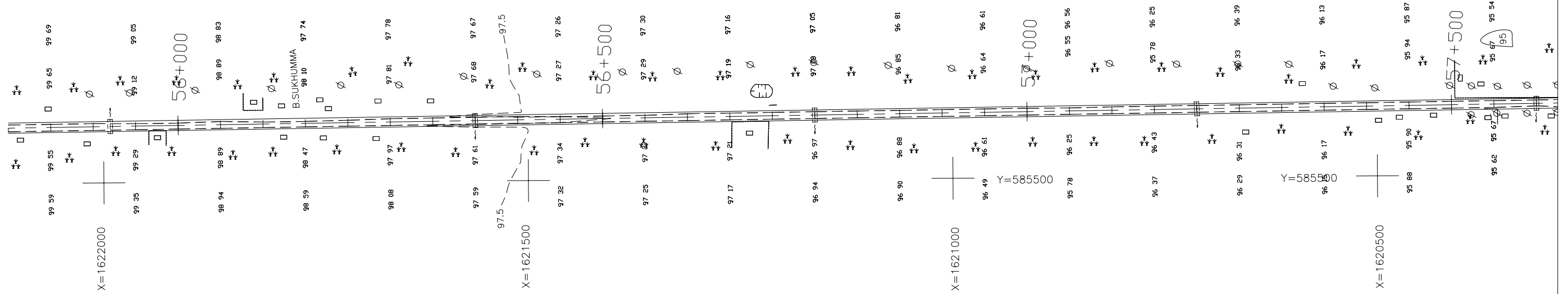
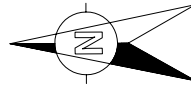
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS COMPANY LIMITED
&
PADECO COMPANY LIMITED

No.	REVISION	DATE

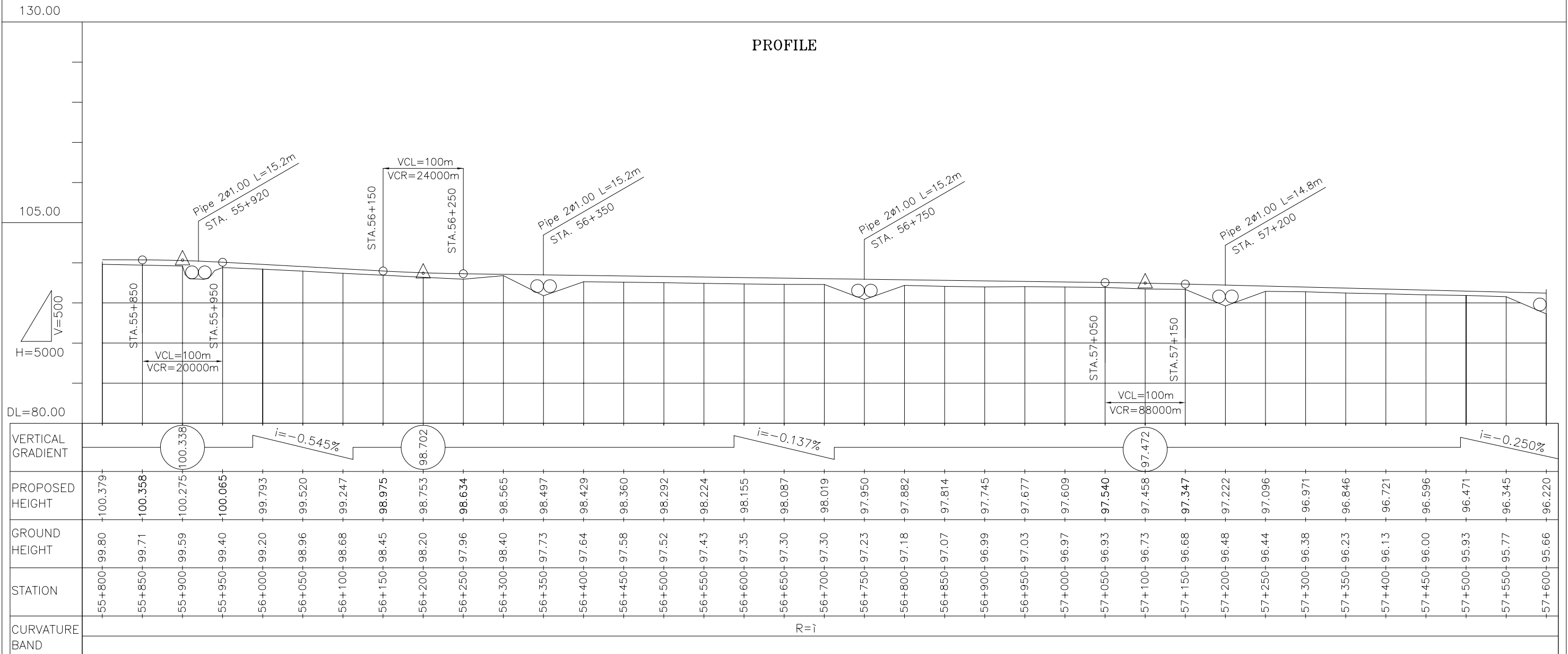
THE STUDY ON IMPROVEMENT OF ROADS IN
THE SOUTHERN REGION IN LAO P.D.R.
RT.14A PLAN & PROFILE
STA. 54+000.000 TO 55+800.000

DESIGNED BY	
CHECKED BY	
APPROVED BY	
DWG. NO.	R14-PP-031

PLAN
SCALE 1:5000



PROFILE



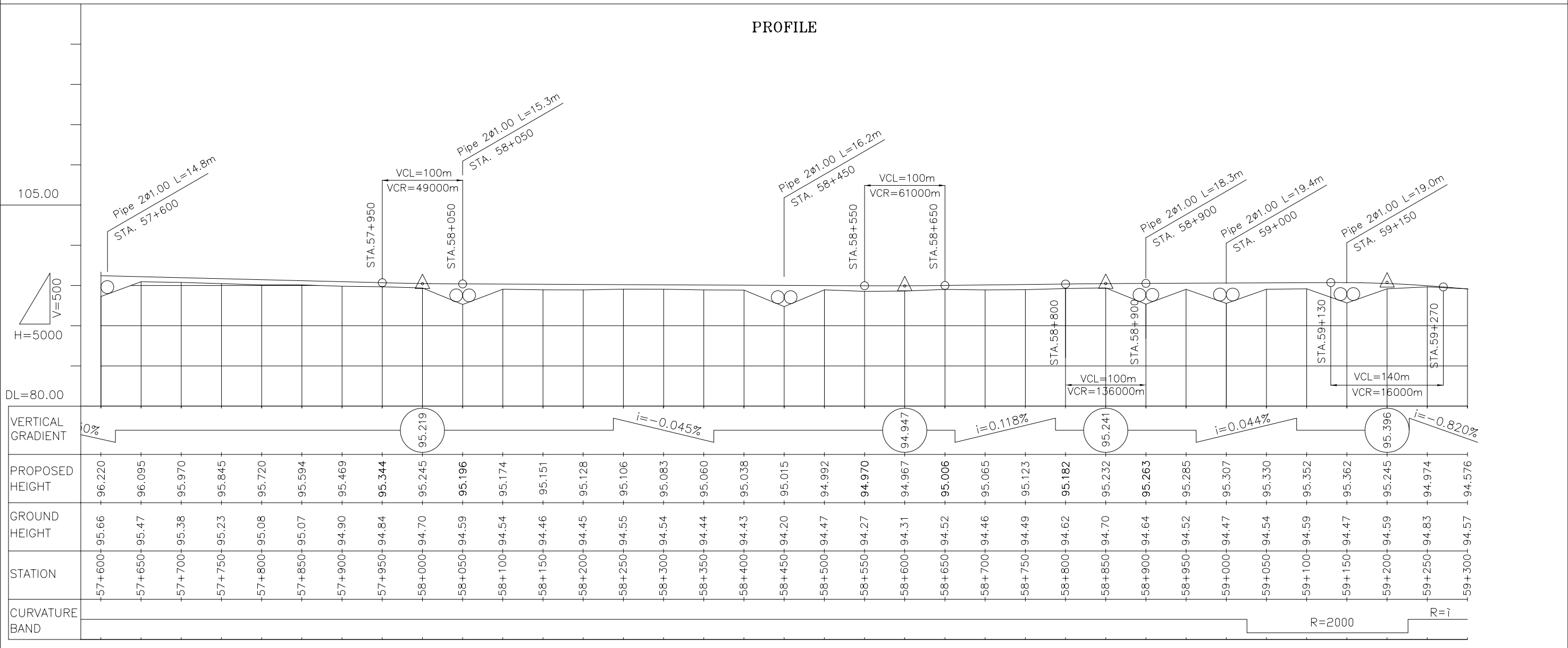
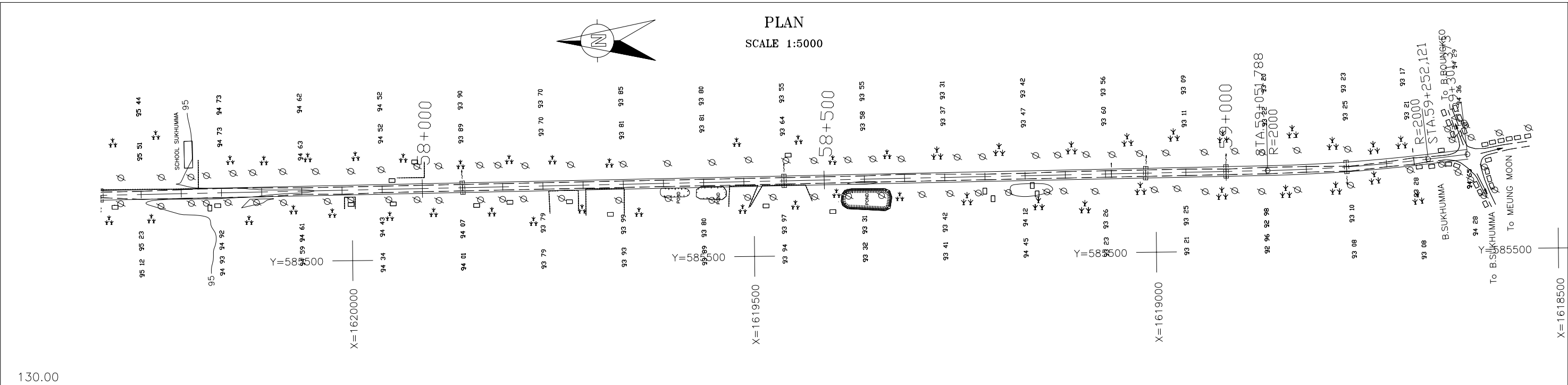
THE LAO PEOPLE'S DEMOCRATIC REPUBLIC
MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS COMPANY LIMITED
&
PADECO COMPANY LIMITED

No.	REVISION	DATE

THE STUDY ON IMPROVEMENT OF ROADS IN
THE SOUTHERN REGION IN LAO P.D.R.
RT.14A
PLAN & PROFILE
STA. 55+800.000 TO 57+600.000

DESIGNED BY	
CHECKED BY	
APPROVED BY	
DWG. NO.	R14-PP-032



THE LAO PEOPLE'S DEMOCRATIC REPUBLIC MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS COMPANY LIMITED & PADECO COMPANY LIMITED			THE STUDY ON IMPROVEMENT OF ROADS IN THE SOUTHERN REGION IN LAO P.D.R. RT.14A PLAN & PROFILE STA. 56+600.000 TO 59+400.000	DESIGNED BY	
		No.	REVISION		DATE	CHECKED BY
					APPROVED BY	
					DWG. NO.	R14-PP-033