

Station	Accumulative Length	Ground Height	Proposal Height
NO.287+180	287+180.0	582.32	583.67
NO.287+200	287+200.0	582.32	583.123
NO.287+300	287+300.0	579.75	580.419
NO.287+400	287+400.0	577.62	577.922
NO.287+500	287+500.0	575.31	575.632
NO.287+600	287+600.0	573.57	573.472
NO.287+700	287+700.0	570.96	571.314
NO.287+800	287+800.0	569.24	569.156
NO.287+900	287+900.0	567.59	566.998
NO.288+000	288+000.0	566.13	564.842
NO.288+100	288+100.0	564.43	563.428
NO.288+200	288+200.0	563.48	563.353
NO.288+300	288+300.0	562.20	563.724
NO.288+400	288+400.0	559.93	562.128
NO.288+500	288+500.0	558.76	559.334
NO.288+600	288+600.0	557.46	557.796
NO.288+700	288+700.0	556.27	556.641
NO.288+800	288+800.0	555.25	555.553
NO.288+900	288+900.0	554.40	554.638
NO.289+000	289+000.0	553.79	553.898
NO.289+100	289+100.0	553.20	553.333
NO.289+200	289+200.0	553.05	552.875
NO.289+300	289+300.0	552.25	552.419
NO.289+400	289+400.0	551.56	551.963
NO.289+500	289+500.0	550.80	551.507
NO.289+600	289+600.0	550.37	551.050
NO.289+700	289+700.0	550.30	550.594
NO.289+800	289+800.0	549.85	550.138
NO.289+900	289+900.0	549.29	549.682
NO.290+000	290+000.0	548.68	549.226
NO.290+100	290+100.0	548.13	548.770
NO.290+200	290+200.0	547.59	548.313
NO.290+300	290+300.0	547.42	547.857
NO.290+400	289+400.0	546.84	547.401

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

ANR NATIONAL ROAD ADMINISTRATION

REMARKS:

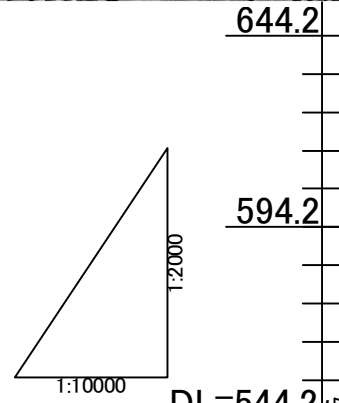
THE STUDY ON UPGRADING OF NAMPULA - CUAMBA ROAD

ORIENTAL CONSULTANTS CO., LTD.
JAPAN ENGINEERING CONSULTANTS CO., LTD.

DRAWING TITLE
Plan and Profile (96/115)

NAME	PREPARED BY	CHECKED BY	APPROVED BY
SIGNATURE			
DATE			

SCALE	SHEET NO.	DRAWING NO.	REV. NO.
1: 10,000		97	-



Station	Accumulative Length	Ground Height	Proposal Height	Gradient
NO.290+420	290+420.0	546.75	547.310	
NO.290+500	290+500.0	547.04	546.945	$i=0.45\%$ $L=796.005m$
NO.290+600	290+600.0	546.54	546.566	
NO.290+700	290+700.0	546.58	546.373	
NO.290+800	290+800.0	546.76	546.365	
NO.290+900	290+900.0	547.24	546.543	
NO.291+000	291+000.0	546.99	546.828	
NO.291+100	291+100.0	546.97	547.115	
NO.291+200	291+200.0	546.94	547.402	
NO.291+300	291+300.0	546.73	547.688	
NO.291+400	291+400.0	546.52	547.975	
NO.291+500	291+500.0	546.34	548.262	
NO.291+600	291+600.0	546.34	548.548	
NO.291+700	291+700.0	547.66	548.835	
NO.291+800	291+800.0	548.83	549.122	
NO.291+900	291+900.0	549.70	549.408	
NO.292+000	292+000.0	550.48	549.695	
NO.292+100	292+100.0	550.75	549.982	
NO.292+200	292+200.0	550.63	550.268	
NO.292+300	292+300.0	550.42	550.517	
NO.292+400	292+400.0	549.91	550.498	
NO.292+500	292+500.0	549.34	550.169	
NO.292+600	292+600.0	548.98	549.569	
NO.292+700	292+700.0	548.61	548.929	
NO.292+800	292+800.0	548.24	548.289	
NO.292+900	292+900.0	547.75	547.649	
NO.293+000	293+000.0	546.97	547.009	
NO.293+100	293+100.0	546.30	546.369	
NO.293+200	293+200.0	545.60	545.729	
NO.293+300	293+300.0	544.98	545.115	
NO.293+400	293+400.0	544.57	544.681	
NO.293+500	293+500.0	544.34	544.450	
NO.293+600	293+600.0	544.22	544.425	
NO.293+600	293+600.0	544.00	544.507	

JAPAN INTERNATIONAL COOPERATION AGENCY
 NATIONAL ROAD ADMINISTRATION

REMARKS:

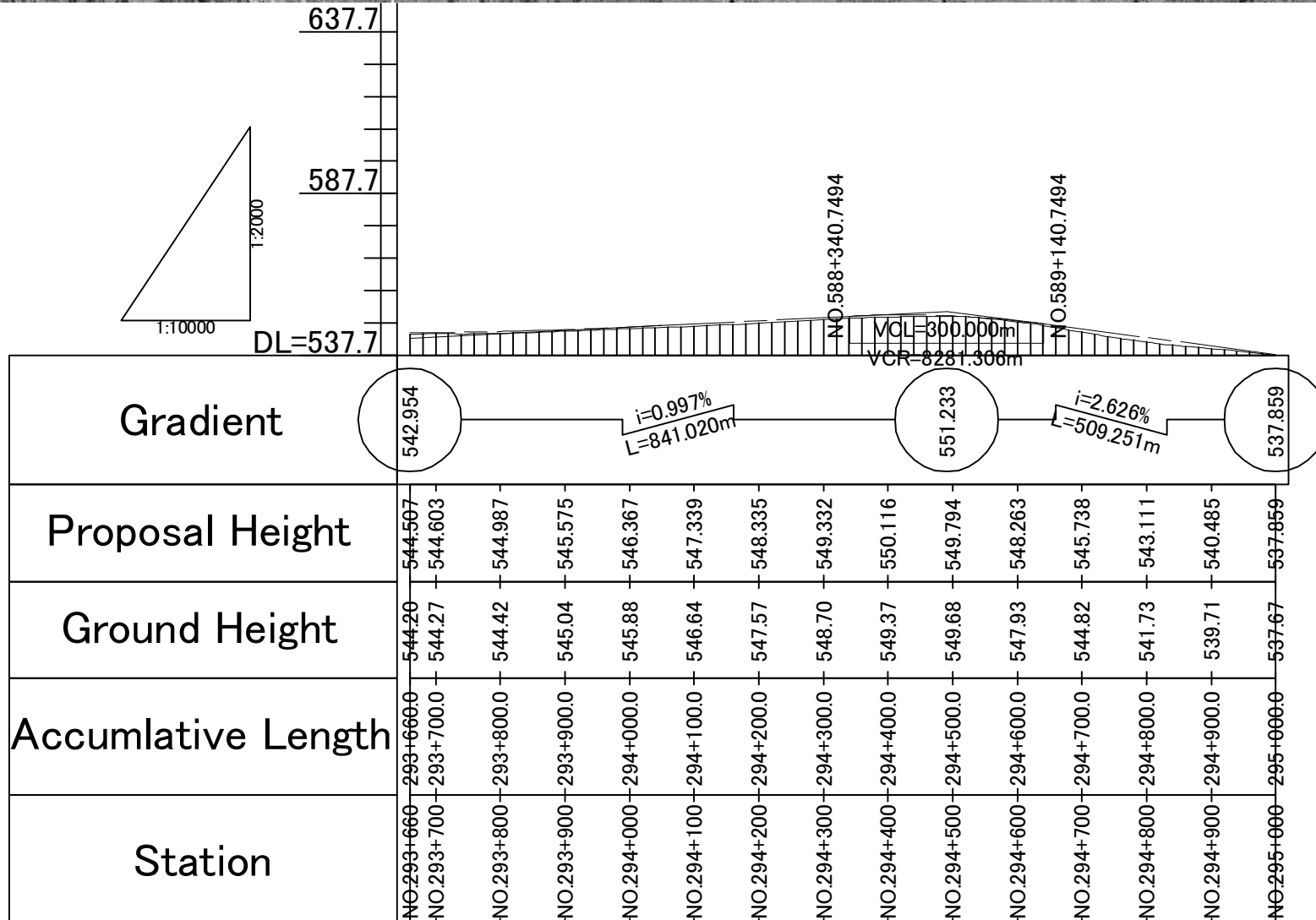
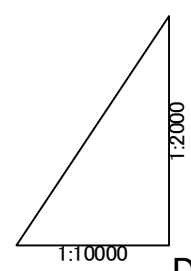
THE STUDY ON UPGRADING OF NAMPULA - CUAMBA ROAD

ORIENTAL CONSULTANTS CO., LTD.
 JAPAN ENGINEERING CONSULTANTS CO., LTD.

DRAWING TITLE
Plan and Profile (97/115)

NAME	PREPARED BY	CHECKED BY	APPROVED BY
SIGNATURE			
DATE			

SCALE	SHEET NO.	DRAWING NO.	REV. NO.
1: 10,000		98	-



JICA JAPAN INTERNATIONAL COOPERATION AGENCY

ANE NATIONAL ROAD ADMINISTRATION

REMARKS:

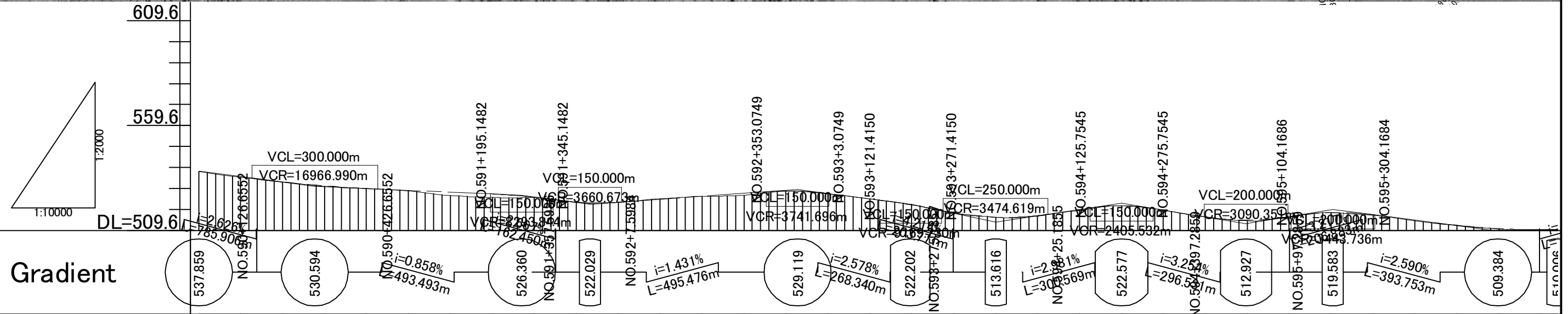
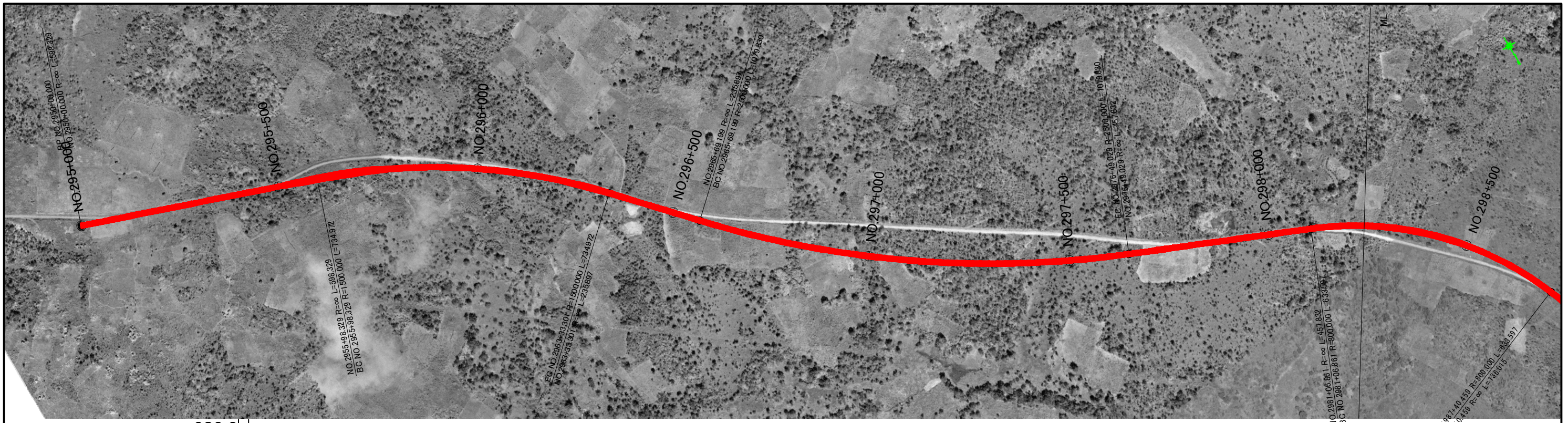
THE STUDY ON UPGRADING OF NAMPULA - CUAMBA ROAD

ORINTAL CONSULTANTS CO., LTD.
JAPAN ENGINEERING CONSULTANTS CO., LTD.

DRAWING TITLE
Plan and Profile (98/115)

NAME	PREPARED BY	CHECKED BY	APPROVED BY
SIGNATURE			
DATE			

SCALE	SHEET NO.	DRAWING NO.	REV. NO.
1: 10,000		99	-



Station	Accumulative Length	Ground Height	Proposal Height
NO.295+000	295+000.0	537.67	537.859
NO.295+100	295+100.0	534.97	535.233
NO.295+200	295+200.0	532.55	532.766
NO.295+300	295+300.0	530.70	530.867
NO.295+400	295+400.0	529.50	529.557
NO.295+500	295+500.0	528.54	528.678
NO.295+600	295+600.0	526.22	527.820
NO.295+700	295+700.0	525.34	526.961
NO.295+800	295+800.0	525.39	525.441
NO.295+900	295+900.0	522.99	523.143
NO.296+000	296+000.0	523.01	523.001
NO.296+100	296+100.0	524.72	524.424
NO.296+200	296+200.0	525.78	525.855
NO.296+300	296+300.0	526.43	527.286
NO.296+400	296+400.0	528.30	528.423
NO.296+500	296+500.0	527.04	527.264
NO.296+600	296+600.0	524.64	524.688
NO.296+700	296+700.0	521.98	521.773
NO.296+800	296+800.0	518.03	517.926
NO.296+900	296+900.0	515.95	515.865
NO.297+000	297+000.0	516.41	516.683
NO.297+100	297+100.0	519.20	519.573
NO.297+200	297+200.0	521.36	521.409
NO.297+300	297+300.0	519.29	519.347
NO.297+400	297+400.0	516.08	516.094
NO.297+500	297+500.0	514.19	514.546
NO.297+600	297+600.0	515.96	516.232
NO.297+700	297+700.0	518.05	518.116
NO.297+800	297+800.0	516.84	517.099
NO.297+900	297+900.0	514.25	514.511
NO.298+000	298+000.0	512.00	512.058
NO.298+100	298+100.0	510.20	510.498
NO.298+200	298+200.0	509.65	509.947
NO.298+300	298+300.0	509.70	510.000

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

ANE NATIONAL ROAD ADMINISTRATION

REMARKS:

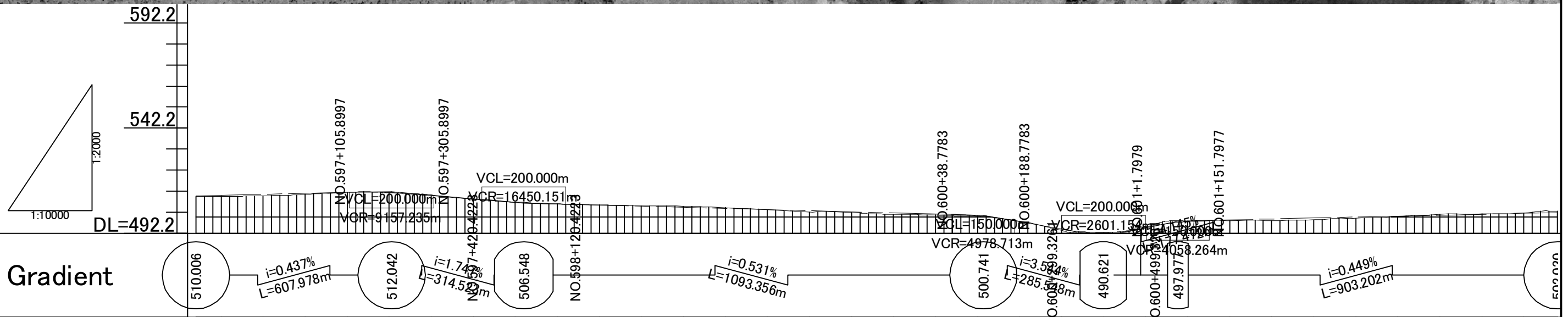
THE STUDY ON UPGRADING OF NAMPULA - CUAMBA ROAD

ORIENTAL CONSULTANTS CO., LTD.
JAPAN ENGINEERING CONSULTANTS CO., LTD.

DRAWING TITLE
Plan and Profile (99/115)

NAME	PREPARED BY	CHECKED BY	APPROVED BY
SIGNATURE			
DATE			

SCALE	SHEET NO.	DRAWING NO.	REV. NO.
1: 10,000		100	-



Station	Ground Height	Proposal Height	Accumulative Length
NO.298+240	509.78	510.009	298+240.0
NO.298+300	509.66	510.268	298+300.0
NO.298+400	509.99	510.705	298+400.0
NO.298+500	510.70	511.142	298+500.0
NO.298+600	511.62	511.579	298+600.0
NO.298+700	511.45	511.533	298+700.0
NO.298+800	510.05	510.396	298+800.0
NO.298+900	508.36	508.651	298+900.0
NO.299+000	506.87	507.097	299+000.0
NO.299+100	506.11	506.138	299+100.0
NO.299+200	505.70	505.594	299+200.0
NO.299+300	505.22	505.063	299+300.0
NO.299+400	505.00	504.532	299+400.0
NO.299+500	504.34	504.001	299+500.0
NO.299+600	503.40	503.469	299+600.0
NO.299+700	502.24	502.938	299+700.0
NO.299+800	502.05	502.407	299+800.0
NO.299+900	501.27	501.876	299+900.0
NO.300+000	500.82	501.345	300+000.0
NO.300+100	500.38	500.437	300+100.0
NO.300+200	497.94	497.685	300+200.0
NO.300+300	493.47	494.141	300+300.0
NO.300+400	492.50	492.545	300+400.0
NO.300+500	494.93	494.794	300+500.0
NO.300+600	497.96	497.751	300+600.0
NO.300+700	498.26	498.530	300+700.0
NO.300+800	498.26	498.979	300+800.0
NO.300+900	498.54	499.428	300+900.0
NO.301+000	499.29	499.876	301+000.0
NO.301+100	500.25	500.325	301+100.0
NO.301+200	501.23	500.774	301+200.0
NO.301+300	501.37	501.223	301+300.0
NO.301+400	501.78	501.671	301+400.0
NO.301+400	500.66	500.000	301+400.0

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

ANR NATIONAL ROAD ADMINISTRATION

REMARKS:

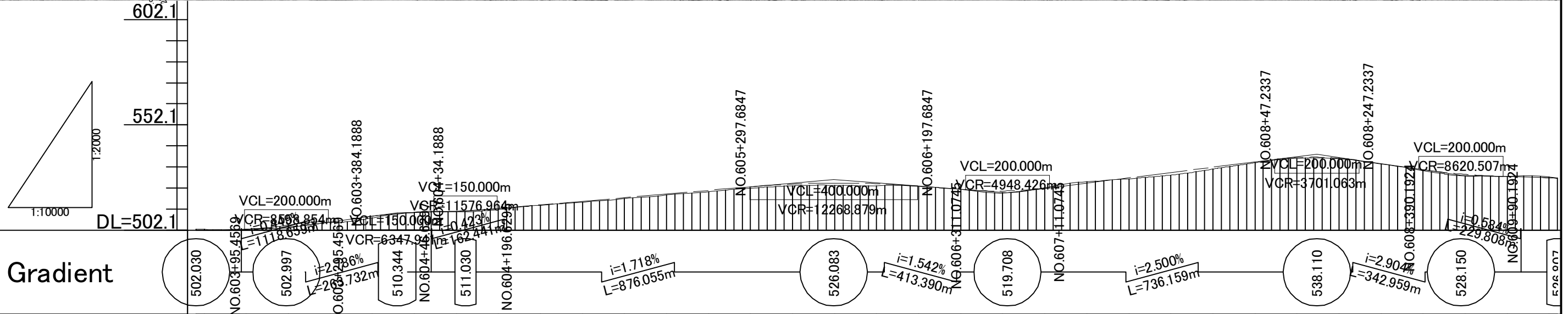
THE STUDY ON UPGRADING OF NAMPULA - CUAMBA ROAD

ORIENTAL CONSULTANTS CO., LTD.
JAPAN ENGINEERING CONSULTANTS CO., LTD.

DRAWING TITLE
Plan and Profile (100/115)

NAME	PREPARED BY	CHECKED BY	APPROVED BY
SIGNATURE			
DATE			

SCALE	SHEET NO.	DRAWING NO.	REV. NO.
1: 10,000	101	101	-





Station	Accumulative Length	Ground Height	Proposal Height	Gradient
NO.301+500	301+500.0	502.56	502.98	502.030
NO.301+600	301+600.0	502.42	502.920	NO.603+95.4559
NO.301+700	301+700.0	504.48	503.656	502.997
NO.301+800	301+800.0	505.73	505.910	i=2.904%
NO.301+900	301+900.0	507.95	508.675	i=2.86%
NO.302+000	302+000.0	510.58	510.424	510.344
NO.302+100	302+100.0	510.77	511.062	NO.604+46.5617
NO.302+200	302+200.0	511.89	512.377	511.030
NO.302+300	302+300.0	513.89	514.095	NO.604+196.6795
NO.302+400	302+400.0	515.40	515.813	i=1.718%
NO.302+500	302+500.0	516.99	517.532	L=876.055m
NO.302+600	302+600.0	518.75	519.250	526.083
NO.302+700	302+700.0	520.27	520.968	i=1.542%
NO.302+800	302+800.0	522.02	522.686	L=413.390m
NO.302+900	302+900.0	523.18	523.978	519.708
NO.303+000	303+000.0	523.35	524.455	NO.606+311.0748
NO.303+100	303+100.0	523.16	524.116	NO.607+11.0748
NO.303+200	303+200.0	522.84	522.963	i=2.500%
NO.303+300	303+300.0	521.42	521.421	L=736.159m
NO.303+400	303+400.0	519.71	520.678	538.110
NO.303+500	303+500.0	522.19	521.944	i=2.904%
NO.303+600	303+600.0	525.16	524.431	L=342.959m
NO.303+700	303+700.0	526.46	526.931	528.150
NO.303+800	303+800.0	528.19	529.430	i=0.584%
NO.303+900	303+900.0	531.07	531.930	L=229.808m
NO.304+000	304+000.0	534.07	534.430	NO.608+47.2337
NO.304+100	304+100.0	536.20	536.553	NO.608+247.2337
NO.304+200	304+200.0	535.97	536.276	VCL=200.000m
NO.304+300	304+300.0	533.47	533.673	VCR=3701.063m
NO.304+400	304+400.0	530.26	530.775	VCL=200.000m
NO.304+500	304+500.0	527.68	528.564	VCR=8620.507m
NO.304+600	304+600.0	527.68	527.508	VCL=200.000m
NO.304+700	304+700.0	527.31	526.901	VCR=8620.507m

 JAPAN INTERNATIONAL COOPERATION AGENCY
 NATIONAL ROAD ADMINISTRATION

REMARKS:

THE STUDY ON UPGRADING OF NAMPULA - CUAMBA ROAD

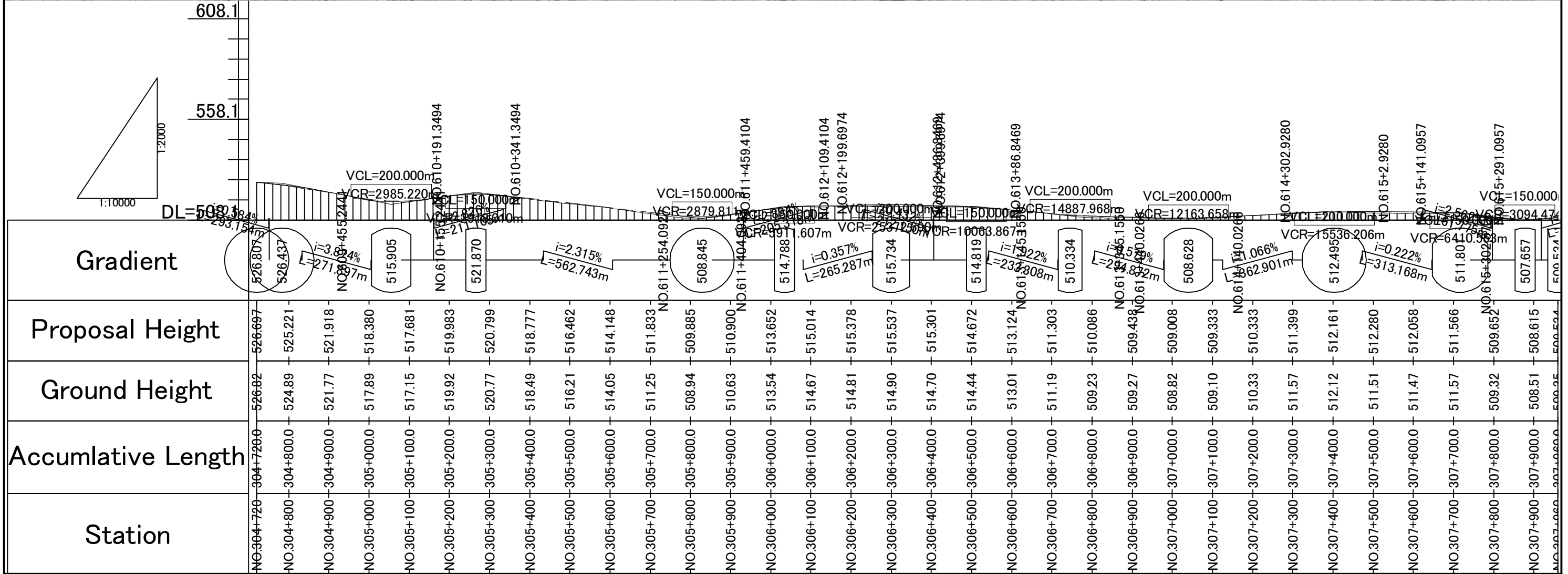
 ORIENTAL CONSULTANTS CO., LTD.
 JAPAN ENGINEERING CONSULTANTS CO., LTD.

DRAWING TITLE

Plan and Profile (101/115)

PREPARED BY	CHECKED BY	APPROVED BY
NAME		
SIGNATURE		
DATE		

SCALE	SHEET NO.	DRAWING NO.	REV. NO.
1: 10,000		102	-



JICA JAPAN INTERNATIONAL COOPERATION AGENCY

ANR NATIONAL ROAD ADMINISTRATION

REMARKS:

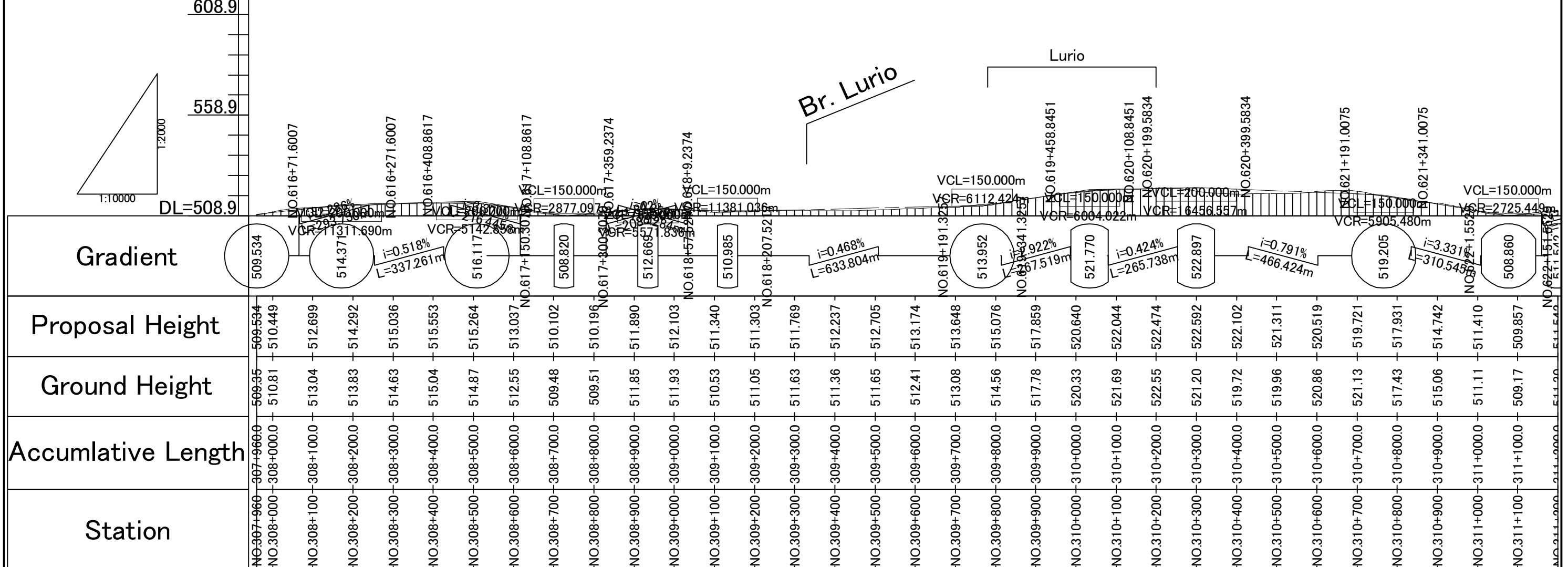
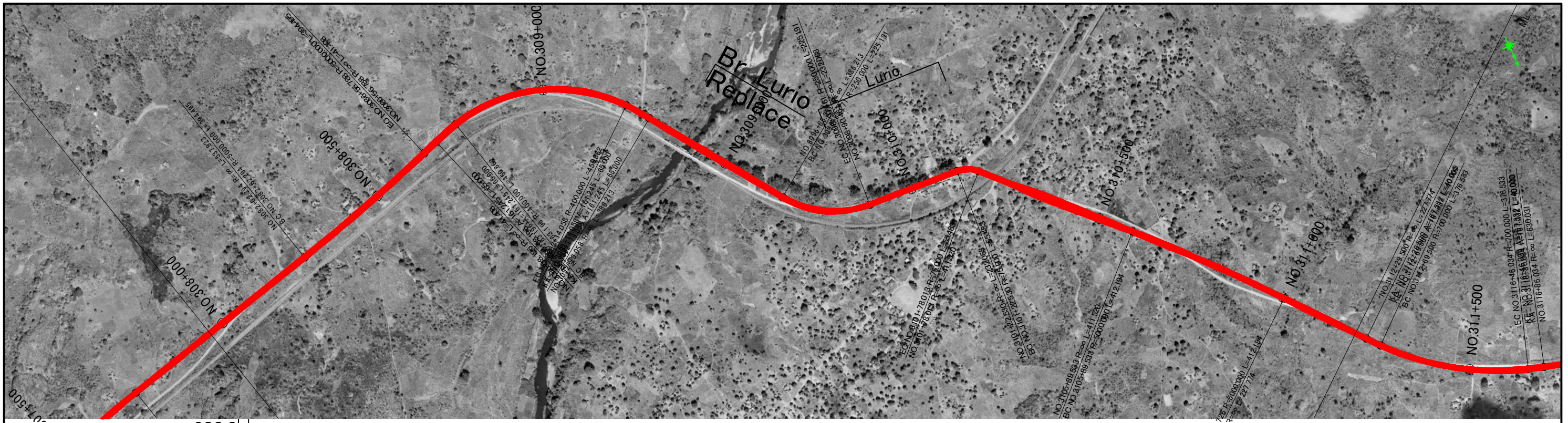
THE STUDY ON UPGRADING OF NAMPULA - CUAMBA ROAD

ORIENTAL CONSULTANTS CO., LTD.
JAPAN ENGINEERING CONSULTANTS CO., LTD.

DRAWING TITLE
Plan and Profile (102/115)

NAME	PREPARED BY	CHECKED BY	APPROVED BY
SIGNATURE			
DATE			

SCALE	SHEET NO.	DRAWING NO.	REV. NO.
1: 10,000		103	-



Station	Accumulative Length	Ground Height	Proposal Height	Gradient
NO.307+960	-307+960.0	509.35	509.534	
NO.308+000	-308+000.0	510.81	510.449	
NO.308+100	-308+100.0	513.04	512.699	
NO.308+200	-308+200.0	513.83	514.292	
NO.308+300	-308+300.0	514.63	515.036	
NO.308+400	-308+400.0	515.04	515.553	
NO.308+500	-308+500.0	514.87	515.264	
NO.308+600	-308+600.0	512.55	513.037	
NO.308+700	-308+700.0	509.48	510.102	
NO.308+800	-308+800.0	509.51	510.196	
NO.308+900	-308+900.0	511.85	511.890	
NO.309+000	-309+000.0	511.93	512.103	
NO.309+100	-309+100.0	510.53	511.340	
NO.309+200	-309+200.0	511.05	511.303	
NO.309+300	-309+300.0	511.63	511.769	
NO.309+400	-309+400.0	511.36	512.237	
NO.309+500	-309+500.0	511.65	512.705	
NO.309+600	-309+600.0	512.41	513.174	
NO.309+700	-309+700.0	513.08	513.648	
NO.309+800	-309+800.0	514.56	515.076	
NO.309+900	-309+900.0	517.78	517.859	
NO.310+000	-310+000.0	520.33	520.640	
NO.310+100	-310+100.0	521.69	522.044	
NO.310+200	-310+200.0	522.55	522.474	
NO.310+300	-310+300.0	521.20	522.592	
NO.310+400	-310+400.0	519.72	522.102	
NO.310+500	-310+500.0	519.96	521.311	
NO.310+600	-310+600.0	520.86	520.519	
NO.310+700	-310+700.0	521.13	519.721	
NO.310+800	-310+800.0	517.43	517.931	
NO.310+900	-310+900.0	515.06	514.742	
NO.311+000	-311+000.0	511.11	511.410	
NO.311+100	-311+100.0	509.17	509.857	
NO.311+200	-311+200.0	511.90	511.440	

JAPAN INTERNATIONAL COOPERATION AGENCY
 NATIONAL ROAD ADMINISTRATION

REMARKS:

THE STUDY ON UPGRADING OF NAMPULA - CUAMBA ROAD
 ORIENTAL CONSULTANTS CO., LTD.
 JAPAN ENGINEERING CONSULTANTS CO., LTD.

DRAWING TITLE
Plan and Profile (103/115)

NAME	PREPARED BY	CHECKED BY	APPROVED BY
SIGNATURE			
DATE			

SCALE	SHEET NO.	DRAWING NO.	REV. NO.
1: 10,000		104	-