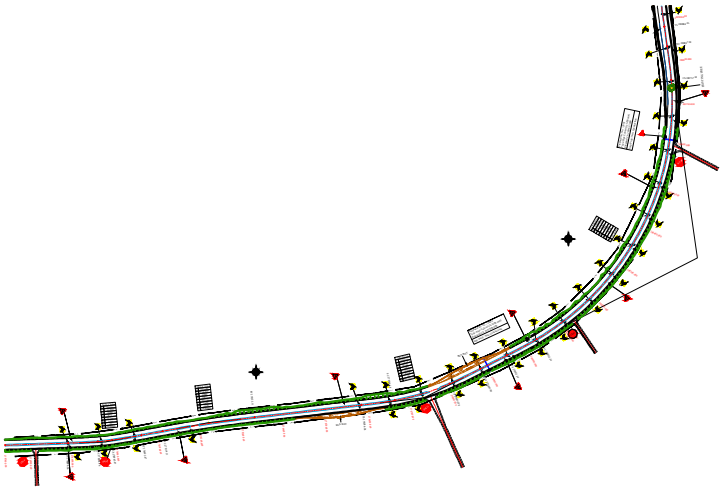


LEGEND :

PLAN :

EXISTING

- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

PROPOSED

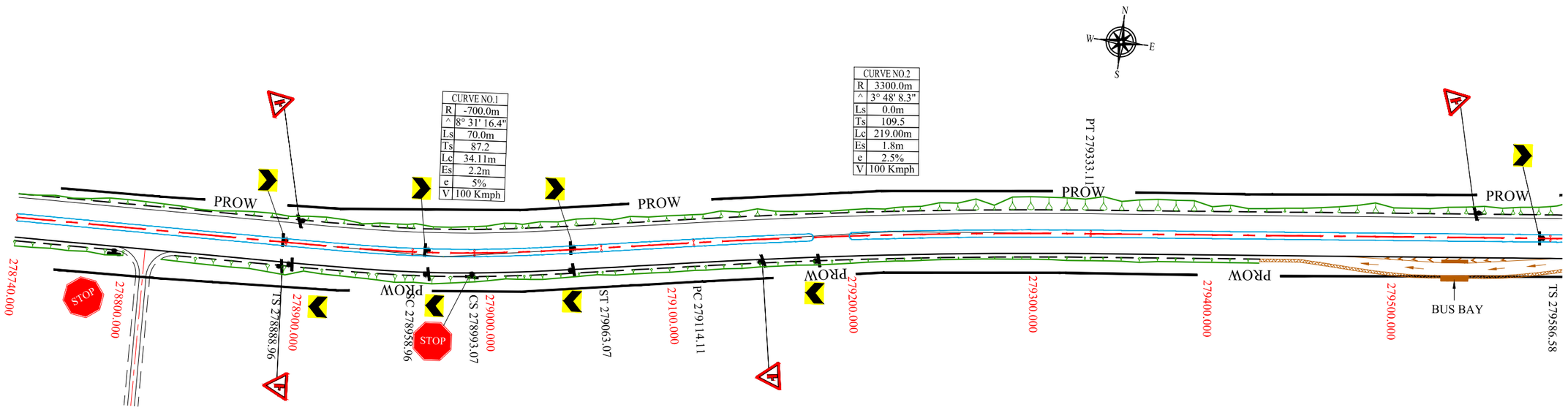
- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

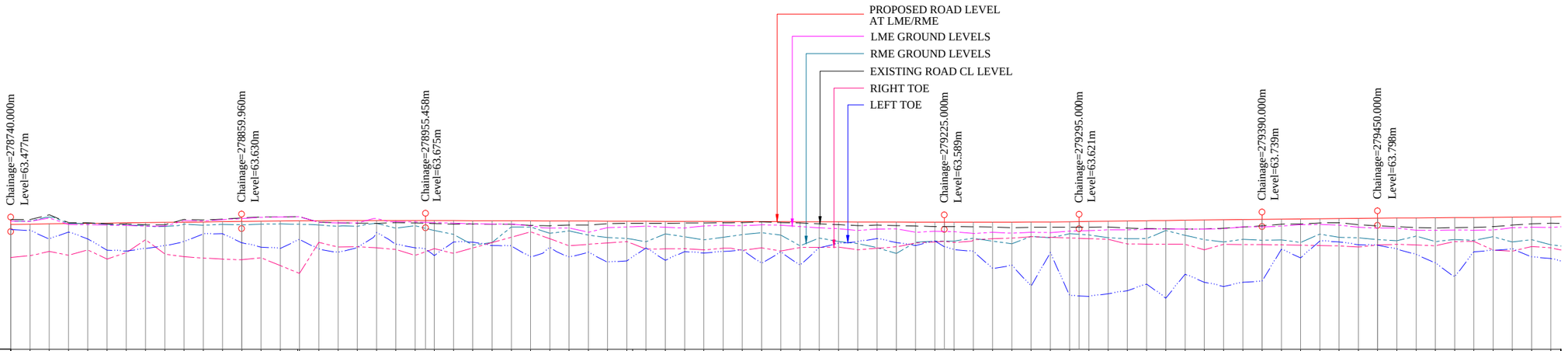
PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT

Nagaon ← → Rangagara

01





Datum =57.000

TCS TYPE	TCS TYPE II	TCS TYPE V	TCS TYPE II	TCS TYPE II	TCS TYPE II
PROPOSED ROAD LEVELS AT LME/RME	63.477 63.490 63.502 63.515 63.528 63.541 63.553 63.566 63.579 63.592 63.604 63.617 63.630 63.642 63.652	63.660 63.667 63.672 63.676 63.678 63.677 63.674 63.670 63.667 63.664 63.661 63.658 63.655 63.651 63.648 63.645 63.642	63.639 63.635 63.632 63.629 63.626 63.623 63.619 63.616 63.613 63.610 63.607 63.604 63.600 63.597 63.594 63.591 63.588 63.587 63.588 63.592 63.597 63.605 63.615 63.628 63.640 63.652 63.665 63.677 63.689 63.702 63.714 63.727 63.739 63.751 63.762 63.772 63.782 63.790 63.798 63.805 63.813 63.820 63.827 63.835 63.842 63.849 63.857 63.864
LME GROUND LEVELS	63.645 63.631 63.805 63.476 63.459 63.439 63.425 63.383 63.386 63.672 63.651 63.718 63.782 63.843 63.858	63.875 63.579 63.552 63.544 63.779 63.625 63.606 63.564 63.539 63.509 63.493 63.493 63.402 63.285 63.290 63.067 63.304 63.339	63.387 63.323 63.289 63.394 63.430 63.407 63.452 63.435 63.363 63.293 63.253 63.162 63.235 63.243 63.064 63.120 63.097 63.001 63.066 63.019 63.067 63.049 63.128 63.148 63.192 63.231 63.247 63.237 63.237 63.250 63.353 63.342 63.389 63.459 63.473 63.439 63.325 63.283 63.282 63.172 63.170 63.184 63.173 63.180 63.304 63.327 63.313
RME GROUND LEVELS	63.644 63.639 63.850 63.523 63.519 63.486 63.448 63.403 63.365 63.486 63.434 63.471 63.464 63.861 63.865	63.881 63.446 63.374 63.368 63.527 63.282 63.407 63.546 63.515 63.482 63.342 63.342 63.011 63.136 63.916 63.440 63.790 63.749	63.339 63.984 63.830 63.545 63.528 63.323 63.289 63.677 63.543 63.561 63.808 63.947 63.047 63.572 63.549 63.502 63.465 63.407 63.441 63.267 63.387 63.552 63.607 63.609 63.362 63.347 63.757 63.001 63.602 63.468 63.322 63.852 63.782 63.988 62.929 63.192 62.732 62.739 63.160 62.907 62.682 62.561 62.697 63.353 63.652 63.342 63.672 63.536 62.972 62.802 62.780 63.325 62.687 63.355 62.624 62.866 62.584 63.170 62.694 63.184 62.647 63.315 62.834 63.180 62.561 63.304 62.684 63.327 62.419
EX. ROAD LEVELS AT CROWN	63.730 63.723 63.973 63.565 63.558 63.508 63.493 63.453 63.458 63.732 63.703 63.747 63.815 63.865 63.875	63.875 63.588 63.555 63.535 63.530 63.568 63.546 63.515 63.490 63.500 63.482 63.482 63.421 63.405 63.442 63.440 63.509 63.526	63.521 63.528 63.545 63.830 63.984 63.677 63.543 63.561 63.808 63.947 63.047 63.572 63.549 63.502 63.465 63.407 63.441 63.267 63.387 63.552 63.607 63.609 63.362 63.347 63.757 63.001 63.602 63.468 63.322 63.852 63.782 63.988 62.929 63.192 62.732 62.739 63.160 62.907 62.682 62.561 62.697 63.353 63.652 63.342 63.672 63.536 62.972 62.802 62.780 63.325 62.687 63.355 62.624 62.866 62.584 63.170 62.694 63.184 62.647 63.315 62.834 63.180 62.561 63.304 62.684 63.327 62.419
LEFT TOE LEVELS	63.212 63.154 62.717 63.080 62.722 62.132 62.090 62.226 62.363 62.575 62.981 62.989 62.520 63.861 63.865	63.875 63.588 63.555 63.535 63.530 63.568 63.546 63.515 63.490 63.500 63.482 63.482 63.421 63.405 63.442 63.440 63.509 63.526	63.521 63.528 63.545 63.830 63.984 63.677 63.543 63.561 63.808 63.947 63.047 63.572 63.549 63.502 63.465 63.407 63.441 63.267 63.387 63.552 63.607 63.609 63.362 63.347 63.757 63.001 63.602 63.468 63.322 63.852 63.782 63.988 62.929 63.192 62.732 62.739 63.160 62.907 62.682 62.561 62.697 63.353 63.652 63.342 63.672 63.536 62.972 62.802 62.780 63.325 62.687 63.355 62.624 62.866 62.584 63.170 62.694 63.184 62.647 63.315 62.834 63.180 62.561 63.304 62.684 63.327 62.419
RIGHT TOE LEVELS	61.760 61.850 62.067 61.875 62.152 61.679 62.007 62.681 61.938 61.795 61.729 61.670 61.638 61.742 61.336	60.928 62.544 62.189 62.011 62.265 63.032 62.436 62.264 61.868 61.969 62.251 62.532 62.812 63.092 62.730 62.369 62.442 62.514 62.586	62.194 62.204 62.214 62.152 62.235 62.123 62.255 62.095 62.276 62.286 62.296 62.160 62.236 62.311 62.514 62.568 62.538 62.677 62.731 62.764 62.838 62.805 62.771 62.737 62.702 62.457 62.453 62.448 62.444 62.157 62.435 62.430 62.426 62.414 62.397 62.380 62.362 62.297 62.419 62.409 62.440 62.410 62.364 62.585 62.598 62.141 62.085 62.327 62.258
HORIZONTAL ALIGNMENT	æ L=148.963m	L=70.000m	R=-700.000m L=34.106m L=70.000m	æ L=51.039m	R=3300.000m L=218.998m	æ L=253.470m
VERTICAL ALIGNMENT	G=0.127 L=119.960m	L=95.498m R=-60016.439m	L=269.542m G=-0.032	R=44973.997m L=70.000m	G=0.124 L=95.000m	L=60.000m R=-119051.679m	G=0.073 L=115.865m
SUPERELEVATION	Q=2.500 Q=2.500	Q=5.000 Q=5.000	Q=2.500 Q=2.500
CHAINAGE	278740.000 278750.000 278760.000 278770.000 278780.000 278790.000 278800.000 278810.000 278820.000 278830.000 278840.000 278850.000 278860.000 278870.000 278880.000	278890.000 278900.000 278910.000 278920.000 278930.000 278940.000 278950.000 278960.000 278970.000 278980.000 278990.000 279000.000 279010.000 279020.000 279030.000 279040.000 279050.000 279060.000	279070.000 279080.000 279090.000 279100.000 279110.000 279120.000 279130.000 279140.000 279150.000 279160.000 279170.000 279180.000 279190.000 279200.000 279210.000 279220.000 279230.000 279240.000	279250.000 279260.000 279270.000 279280.000 279290.000 279300.000 279310.000 279320.000 279330.000 279340.000 279350.000 279360.000 279370.000 279380.000 279390.000 279400.000 279410.000 279420.000 279430.000 279440.000 279450.000 279460.000 279470.000 279480.000 279490.000 279500.000 279510.000 279520.000 279530.000 279540.000

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill
Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 278.740 to Km.279.540*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)

HOR 10 0 20 40

VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 01

DATE : REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

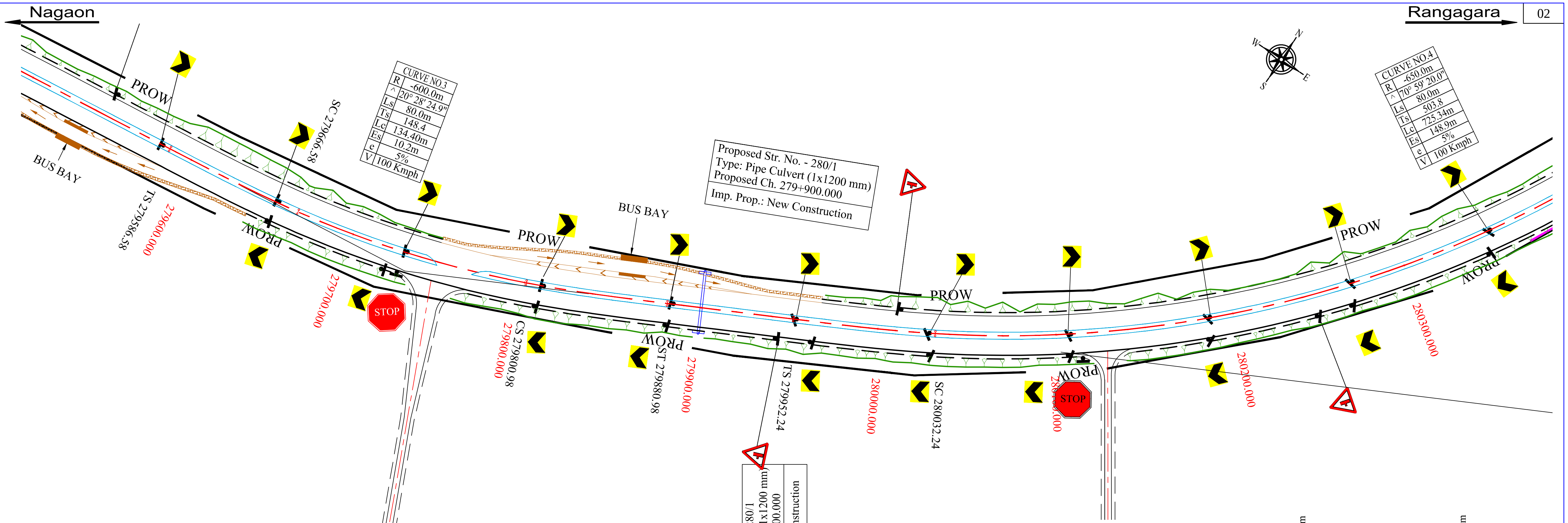
- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

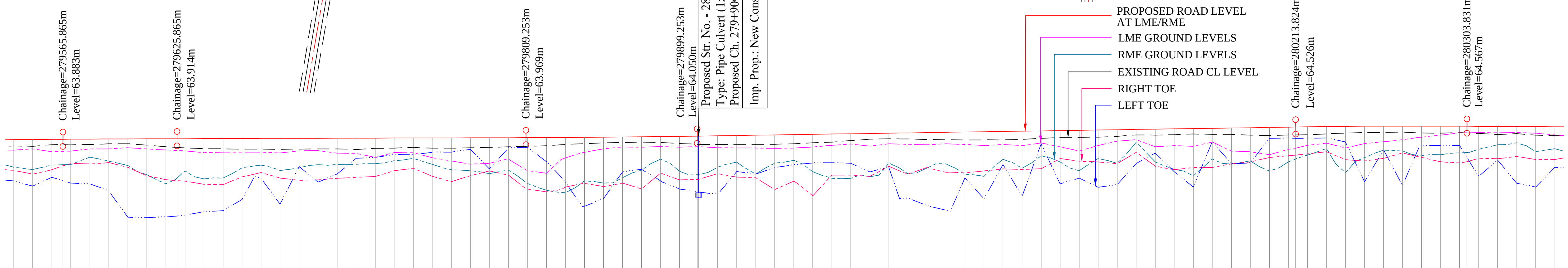
PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT





Datum = 57 M

TCS TYPE: (279540 – 279590: blank); TCS TYPE V; TCS TYPE V; TCS TYPE II; TCS TYPE V; TCS TYPE V

CHAINAGE	PROPOSED ROAD LEVELS AT LME/RME	LME GROUND LEVELS	RME GROUND LEVELS	EX. ROAD LEVELS AT CROWN	LEFT TOE LEVELS	RIGHT TOE LEVELS
279540.000	63.864	63.313	62.419	63.534	61.701	62.258
279550.000	63.871	63.376	62.298	63.516	61.429	62.054
279560.000	63.879	63.232	62.533	63.601	61.893	62.285
279570.000	63.886	63.264	62.559	63.625	61.590	62.607
279580.000	63.893	63.380	62.950	63.608	61.542	62.633
279590.000	63.899	63.375	62.740	63.644	61.166	62.670
279600.000	63.904	63.441	62.507	63.653	59.798	62.409
279610.000	63.908	63.373	62.026	63.580	59.772	61.968
279620.000	63.912	63.322	61.549	63.495	59.815	61.767
279630.000	63.915	63.280	62.226	63.435	59.909	61.689
279640.000	63.918	63.180	61.803	63.395	60.080	61.525
279650.000	63.921	63.210	61.850	63.383	60.141	61.501
279660.000	63.924	63.214	62.390	63.368	60.727	61.915
279670.000	63.927	63.212	62.531	63.365	61.836	62.140
279680.000	63.930	63.168	62.248	63.350	60.487	61.854
279690.000	63.933	63.275	62.384	63.370	62.451	61.731
279700.000	63.936	63.289	62.551	63.374	61.635	61.753
279710.000	63.939	63.155	62.566	63.380	62.065	61.837
279720.000	63.942	63.141	62.574	63.350	62.886	61.890
279730.000	63.945	62.933	62.605	63.405	62.936	61.934
279740.000	63.948	63.185	62.761	63.420	63.081	62.231
279750.000	63.951	63.179	62.882	63.460	63.075	62.367
279760.000	63.954	62.920	62.566	63.415	63.204	61.947
279770.000	63.957	62.745	62.285	63.415	63.209	61.665
279780.000	63.960	62.578	62.239	63.435	63.352	61.970
279790.000	63.963	62.624	62.082	63.460	62.329	62.223
279800.000	63.966	62.864	62.270	63.491	63.432	62.007
279810.000	63.969	62.250	61.567	63.519	63.466	61.276
279820.000	63.973	62.097	61.208	63.540	62.711	61.124
279830.000	63.978	62.908	61.083	63.615	61.628	61.374
279840.000	63.984	63.202	61.705	63.651	60.372	61.575
279850.000	63.992	63.382	61.585	63.695	60.768	61.405
279860.000	64.001	63.483	61.871	63.710	62.174	61.584
279870.000	64.012	63.466	62.267	63.735	62.310	61.282
279880.000	64.023	63.504	62.840	63.720	61.705	62.109
279890.000	64.037	63.470	62.203	63.655	61.276	61.757
279900.000	64.051	63.499	62.026	63.620	61.129	61.780
279910.000	64.066	63.441	62.417	63.605	60.990	62.079
279920.000	64.081	63.432	62.682	63.614	62.193	61.903
279930.000	64.097	63.425	62.057	63.614	62.058	61.865
279940.000	64.112	63.403	62.630	63.622	62.404	61.245
279950.000	64.127	63.424	62.785	63.651	62.544	61.693
279960.000	64.142	63.479	62.181	63.700	62.644	60.913
279970.000	64.157	63.568	61.840	63.733	62.657	62.008
279980.000	64.172	63.635	61.837	63.817	62.626	62.004
279990.000	64.187	63.526	61.925	63.885	62.170	61.938
280000.000	64.202	63.651	62.637	63.913	62.410	62.470
280010.000	64.217	63.618	62.079	63.899	60.800	62.060
280020.000	64.233	63.594	62.369	63.869	60.403	62.398
280030.000	64.248	63.646	62.588	63.860	60.170	62.149
280040.000	64.263	63.612	62.049	63.847	61.863	62.121
280050.000	64.278	63.551	61.944	63.854	60.757	62.222
280060.000	64.293	63.609	62.827	63.850	62.565	62.332
280070.000	64.308	63.549	62.362	63.874	60.888	62.296
280080.000	64.323	63.692	63.012	63.935	63.642	62.343
280090.000	64.338	63.492	62.694	63.984	61.542	62.870
280100.000	64.354	63.265	62.231	63.981	61.848	62.736
280110.000	64.369	63.558	62.874	63.999	61.372	62.698
280120.000	64.384	63.782	62.620	64.040	61.507	62.605
280130.000	64.399	63.859	63.719	64.114	62.615	63.201
280140.000	64.414	63.489	62.692	64.104	63.162	62.475
280150.000	64.429	63.556	62.314	64.124	62.184	62.285
280160.000	64.444	63.516	61.968	64.162	61.378	62.401
280170.000	64.459	63.739	62.857	64.137	63.763	62.408
280180.000	64.475	63.264	62.580	64.137	62.594	62.597
280190.000	64.490	63.229	62.748	64.097	62.649	62.695
280200.000	64.505	63.072	62.219	64.082	63.934	62.930
280210.000	64.520	63.358	62.697	64.107	63.951	63.024
280220.000	64.535	63.562	63.052	64.118	63.937	63.116
280230.000	64.547	63.677	63.392	64.168	63.955	63.234
280240.000	64.557	63.425	62.130	64.207	63.741	62.814
280250.000	64.565	63.660	62.924	64.237	61.651	62.748
280260.000	64.571	63.751	63.311	64.241	63.341	62.880
280270.000	64.574	63.859	63.268	64.256	61.463	63.169
280280.000	64.575	63.998	63.016	64.216	63.542	62.933
280290.000	64.573	64.104	63.069	64.204	63.570	62.703
280300.000	64.569	64.224	63.173	64.231	63.559	62.642
280310.000	64.563	64.236	63.357	64.193	61.942	62.885
280320.000	64.558	64.226	63.600	64.126	62.790	62.862
280330.000	64.552	64.241	63.697	64.179	61.577	62.986
280340.000	64.546	64.206	63.236	64.096	61.382	62.827
280350.000	64.540	64.106	63.390	64.076	62.415	62.819

HORIZONTAL ALIGNMENT: L=80.000m; R=-600.000m L=134.399m; L=80.000m; æ L=71.268m; L=80.000m

VERTICAL ALIGNMENT: L=60.000m R=-137767.699m; G=0.030 L=183.388m; R=74138.681m L=90.000m; G=0.151 L=314.571m; L=90.007m R=-42816.418m

SUPERELEVATION: Q=5.000; Q=5.000; Q=2.500

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer : STUP Consultant Pvt. Ltd in association with M/s AYOLEEZA Consultants Pvt. Ltd Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108, NH-37,Nagaon,Assam,Pin 782001

EPC Contractor : TK Engineering Consortium Pvt. Ltd Model Village, Naharlagun -791110 Papum Pare District, Arunachal Pradesh

Design Director : Er. P.V.S.R. Keerti

Proof Consultant : Alliance Engineers and Consultants 1st floor , TKD Aloy Opp SBI Chandmari MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 279.540 to Km.280.340*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)

HOR 10 0 20 40

VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 02

DATE :

REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

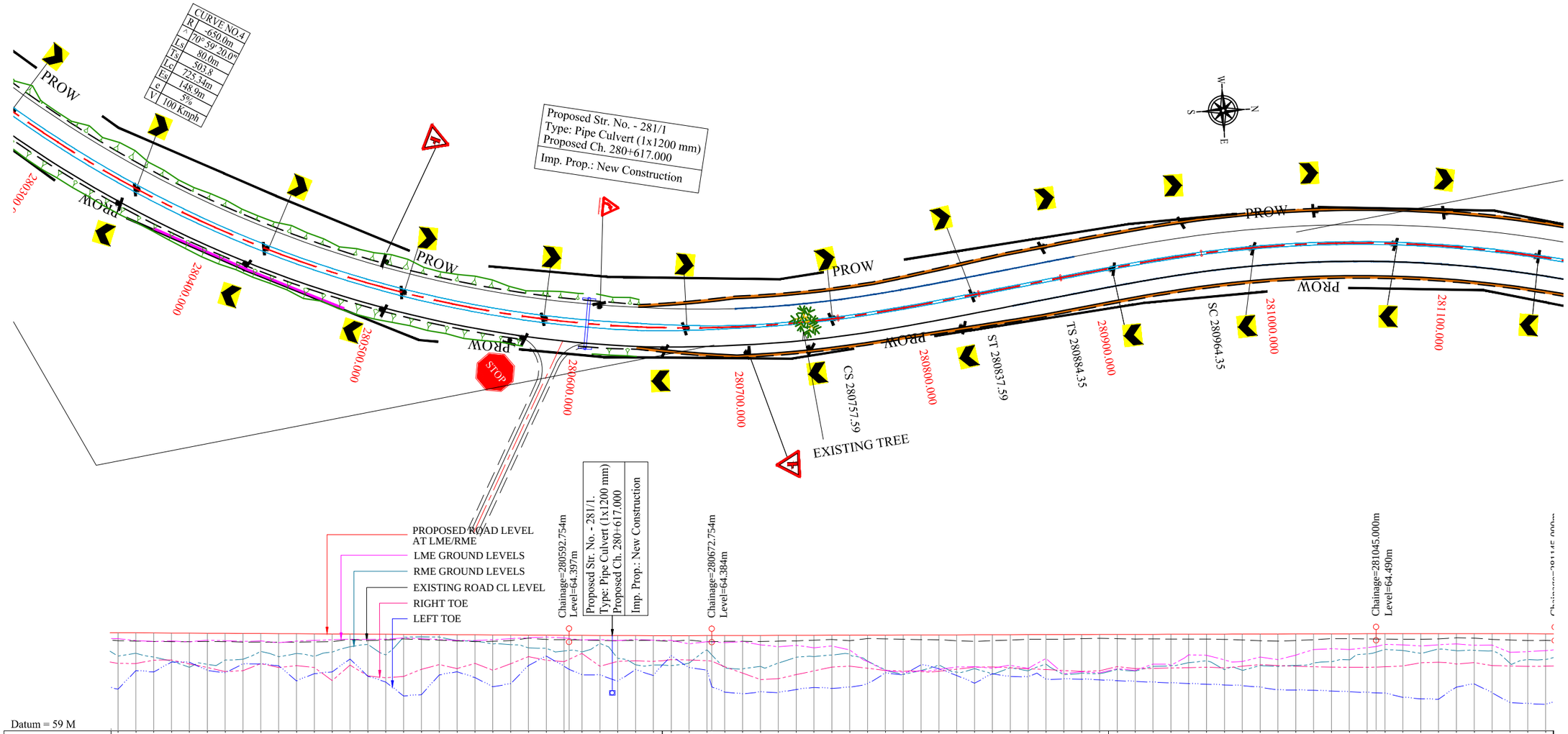
- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT



Datum = 59 M

TCS TYPE	TCS TYPE V	TCS TYPE V	TCS TYPE VIII	TCS TYPE VIII	TCS TYPE VII	TCS TYPE VII
HORIZONTAL ALIGNMENT	R=-650.000m L=725.344m		L=80.000m	L=46.762m	L=80.000m	
VERTICAL ALIGNMENT	L=288.922m G=-0.059	R=91571.870m L=80.000m	G=0.028 L=372.246m			L=100.000m R=-142572.484m
SUPERELEVATION	Q=5.000	Q=5.000	Q=2.500	Q=2.500		

CHAINAGE	PROPOSED ROAD LEVELS AT LME/RME	LME GROUND LEVELS	RME GROUND LEVELS	EX. ROAD LEVELS AT CROWN	LEFT TOE LEVELS	RIGHT TOE LEVELS
280340.000	64.546	64.206	63.236	64.096	61.382	62.827
280350.000	64.540	64.106	63.390	64.076	62.415	62.819
280360.000	64.534	64.054	63.184	64.051	62.343	63.011
280370.000	64.528	64.079	62.946	64.046	62.898	63.013
280380.000	64.522	64.030	62.605	64.046	62.886	62.800
280390.000	64.516	64.126	62.775	64.056	62.427	62.598
280400.000	64.510	64.096	63.017	64.046	62.297	62.367
280410.000	64.504	64.058	63.056	64.025	62.791	62.418
280420.000	64.499	64.081	63.493	64.021	62.801	62.818
280430.000	64.493	63.987	63.199	64.007	62.691	62.594
280440.000	64.487	64.074	63.388	64.019	61.849	62.698
280450.000	64.481	64.112	63.215	64.034	62.248	62.600
280460.000	64.475	64.151	63.461	64.041	62.352	61.863
280470.000	64.469	64.178	63.763	64.171	63.069	62.730
280480.000	64.463	64.167	63.888	64.107	62.109	62.126
280490.000	64.457	64.185	63.303	64.141	61.786	62.022
280500.000	64.451	64.247	64.294	64.195	61.000	62.100
280510.000	64.445	64.206	64.310	64.171	61.071	62.495
280520.000	64.440	64.172	64.301	64.128	62.180	62.758
280530.000	64.434	64.112	64.102	64.086	62.353	62.538
280540.000	64.428	64.107	64.070	64.045	62.028	62.828
280550.000	64.422	64.149	63.912	64.061	61.517	62.442
280560.000	64.416	64.213	63.877	64.101	61.684	62.804
280570.000	64.410	64.262	63.696	64.237	62.707	63.207
280580.000	64.404	64.301	63.680	64.166	63.235	63.007
280590.000	64.398	64.249	63.521	64.156	62.655	62.927
280600.000	64.393	64.140	63.471	64.136	62.176	63.386
280610.000	64.388	64.158	63.942	64.111	62.176	62.666
280620.000	64.385	64.102	63.113	64.096	61.822	62.943
280630.000	64.382	64.166	62.746	64.121	62.471	62.975
280640.000	64.381	64.130	62.737	64.117	62.143	62.942
280650.000		64.113	62.702	64.058	62.583	63.033
280660.000		63.919	62.841	64.130	63.242	63.017
280670.000	64.384	64.045	63.587	64.038	62.451	62.978
280680.000	64.386	63.993	63.584	64.058	62.222	62.640
280690.000	64.389	64.044	62.517	64.058	61.111	62.284
280700.000	64.392	63.869	62.657	64.050	61.227	61.919
280710.000	64.395	63.761	62.848	64.072	61.187	61.966
280720.000	64.398	63.839	63.169	64.087	61.364	62.197
280730.000	64.401	63.698	63.205	64.122	61.475	62.406
280740.000	64.403	63.805	63.290	64.172	61.426	62.622
280750.000	64.406	63.583	63.356	64.097	61.488	62.673
280760.000	64.409	62.931	62.952	64.219	61.674	62.557
280770.000	64.412	62.434	62.464	64.197	62.285	62.435
280780.000	64.415	62.332	62.206	64.180	62.178	62.390
280790.000	64.418	62.425	62.427	64.157	62.749	62.369
280800.000	64.420	62.494	62.742	64.148	62.519	62.392
280810.000	64.423	62.628	62.333	64.096	62.145	62.503
280820.000	64.426	62.642	62.531	64.057	61.721	62.615
280830.000	64.429	62.555	62.207	64.100	62.250	62.633
280840.000	64.432	62.718	62.587	64.134	62.100	62.581
280850.000	64.435	62.545	62.405	64.182	62.067	62.530
280860.000	64.437	63.100	62.791	64.176	61.920	62.479
280870.000	64.440	62.243	62.200	64.177	61.953	62.428
280880.000	64.443	62.359	62.279	64.212	61.942	62.373
280890.000	64.446	62.297	62.253	64.232	61.903	62.413
280900.000	64.449	62.531	62.488	64.212	61.859	62.648
280910.000	64.452	62.435	62.402	64.192	61.813	62.530
280920.000	64.454	62.784	62.656	64.202	61.772	62.542
280930.000	64.457	62.717	62.702	64.187	61.733	62.566
280940.000	64.460	63.305	62.866	64.187	61.695	62.589
280950.000	64.463	63.283	62.976	64.188	61.656	62.610
280960.000	64.466	63.027	62.476	64.169	61.618	62.577
280970.000	64.469	62.929	62.436	64.138	61.581	62.667
280980.000	64.471	63.184	62.707	64.098	61.492	62.755
280990.000	64.474	63.037	62.646	64.075	61.337	62.706
281000.000	64.477	63.293	62.716	64.109	61.334	62.667
281010.000	64.480	63.603	62.849	64.150	61.316	62.637
281020.000	64.483	63.650	62.924	64.210	61.275	62.618
281030.000	64.486	63.606	63.028	64.207	61.235	62.608
281040.000	64.488	63.708	63.357	64.197	61.195	62.608
281050.000	64.491	63.890	63.605	64.187	61.157	62.637
281060.000	64.493	63.864	63.547	64.175	60.927	62.679
281070.000	64.495	63.802	63.391	64.175	60.841	62.861
281080.000	64.495	63.623	63.035	64.203	60.814	62.891
281090.000	64.495	63.870	63.487	64.261	61.499	62.788
281100.000	64.495	63.918	63.838	64.242	61.677	62.873
281110.000	64.495	64.038	63.557	64.172	61.186	62.699
281120.000	64.493	63.852	63.530	64.139	60.627	62.684
281130.000	64.491	63.441	62.837	64.103	60.571	62.657
281140.000	64.489	64.487	63.035	64.113	60.529	62.668

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 280.340 to Km.281.140*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)

HOR 10 0 20 40

VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 03

DATE :

REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

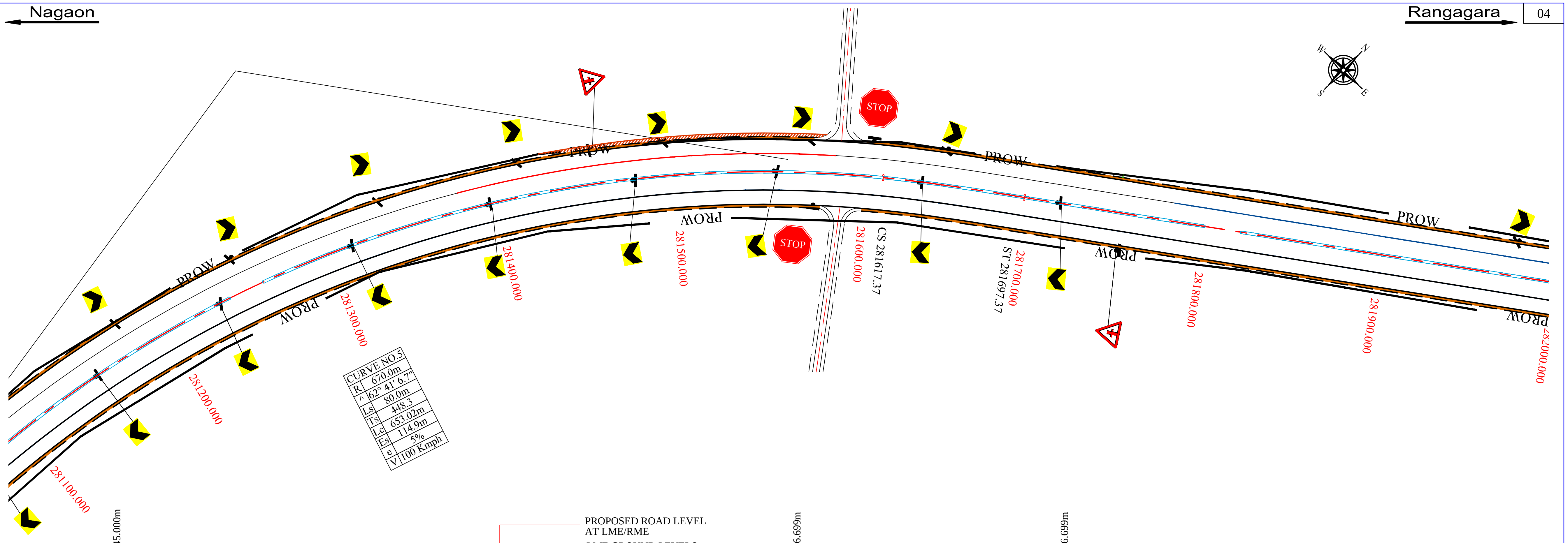
- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

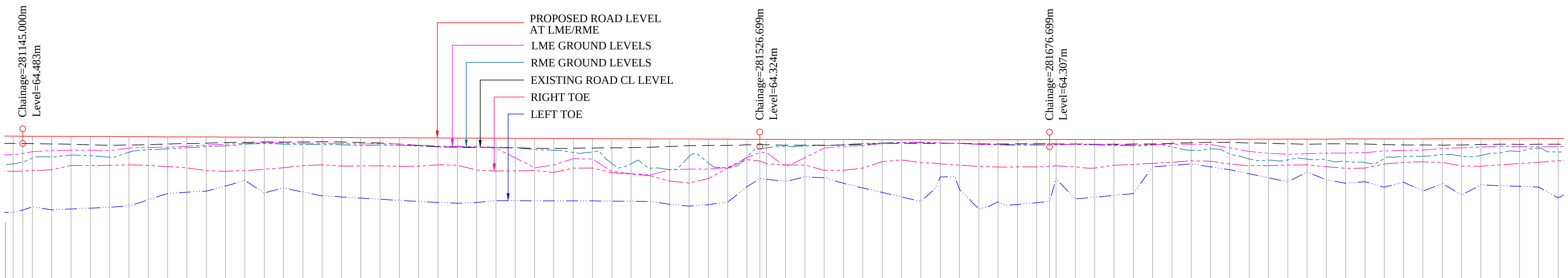
PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT





Datum =57.000

TCS TYPE: I | TCS TYPE VII | TCS TYPE VII | TCS TYPE VII | TCS TYPE III | TCS

CHAINAGE	PROPOSED ROAD LEVELS AT LME/RME	LME GROUND LEVELS	RME GROUND LEVELS	EX. ROAD LEVELS AT CROWN	LEFT TOE LEVELS	RIGHT TOE LEVELS
281140.000	64.485	63.536	63.052	64.113	60.529	62.668
281150.000	64.481	63.684	63.360	64.097	60.831	62.699
281160.000	64.477	63.744	63.409	64.078	60.675	62.752
281170.000	64.473	63.756	63.503	64.072	60.721	62.969
281180.000	64.468	63.758	63.473	64.032	60.765	62.967
281190.000	64.464	63.743	63.399	64.022	60.808	62.979
281200.000	64.460	63.875	63.653	64.025	60.872	62.998
281210.000	64.456	63.906	63.781	64.044	61.199	62.972
281220.000	64.452	63.918	63.830	64.076	61.519	62.913
281230.000	64.448	63.965	63.885	64.106	61.588	62.846
281240.000	64.443	64.023	63.946	64.123	61.639	62.702
281250.000	64.439	64.068	63.989	64.151	61.908	62.669
281260.000	64.435	64.112	64.064	64.168	62.195	62.709
281270.000	64.431	64.147	64.102	64.187	61.546	62.769
281280.000	64.427	64.128	64.073	64.179	61.813	62.852
281290.000	64.422	64.114	64.048	64.184	61.599	62.961
281300.000	64.418	64.127	64.059	64.201	61.406	63.005
281310.000	64.414	64.107	64.041	64.187	61.343	62.938
281320.000	64.410	64.079	64.011	64.154	61.281	62.947
281330.000	64.406	64.098	64.024	64.135	61.222	62.953
281340.000	64.402	64.077	64.012	64.075	61.164	62.922
281350.000	64.397	64.024	63.980	64.004	61.109	62.935
281360.000	64.393	63.978	63.937	63.932	61.059	63.005
281370.000	64.389	63.951	63.925	63.908	61.017	62.990
281380.000	64.385	63.945	63.924	63.906	61.052	62.735
281390.000	64.381	63.865	63.907	63.896	61.152	62.681
281400.000	64.377	63.369	63.895	63.880	61.147	62.689
281410.000	64.372	62.850	63.798	63.859	61.142	62.707
281420.000	64.368	62.999	63.755	63.846	61.140	62.619
281430.000	64.364	63.318	63.643	63.859	61.138	62.836
281440.000	64.360	63.301	63.667	63.875	61.137	62.839
281450.000	64.356	62.661	63.071	63.884	61.130	62.597
281460.000	64.351	62.539	63.053	63.889	61.120	62.524
281470.000	64.347	62.483	62.830	63.918	61.110	62.433
281480.000	64.343	62.751	62.757	63.956	60.958	62.166
281490.000	64.339	62.782	63.435	63.992	60.870	62.062
281500.000	64.335	62.786	63.094	64.006	60.946	62.287
281510.000	64.331	62.861	62.843	64.007	61.070	62.836
281520.000	64.326	63.380	63.422	64.034	61.872	63.269
281530.000	64.322	63.645	63.877	64.040	62.258	63.061
281540.000	64.318	62.907	63.942	64.023	62.148	62.999
281550.000	64.315	63.371	63.969	64.017	62.384	62.990
281560.000	64.312	63.870	64.009	64.015	62.335	62.724
281570.000	64.309	63.965	64.050	64.026	62.045	62.723
281580.000	64.307	63.998	64.102	64.062	61.810	62.836
281590.000	64.305	64.099	64.138	64.095	61.575	63.165
281600.000	64.304	64.144	64.162	64.113	61.340	63.258
281610.000	64.303	64.175	64.146	64.115	61.116	63.115
281620.000	64.303	64.138	64.134	64.114	62.374	63.053
281630.000	64.302	64.101	64.114	64.110	61.739	62.986
281640.000	64.303	64.058	64.076	64.093	60.717	62.926
281650.000	64.304	64.039	64.067	64.083	61.085	62.890
281660.000	64.305	64.023	64.065	64.087	60.955	62.894
281670.000	64.306	64.014	64.074	64.089	61.049	62.894
281680.000	64.308	64.036	64.082	64.086	62.283	62.949
281690.000	64.310	64.066	64.057	64.083	61.236	62.901
281700.000	64.312	64.068	64.037	64.071	61.329	62.831
281710.000	64.314	64.044	64.008	64.072	61.422	62.982
281720.000	64.316	64.031	63.990	64.077	61.514	63.029
281730.000	64.318	64.047	64.027	64.082	62.903	63.076
281740.000	64.320	64.070	63.933	64.116	62.964	63.140
281750.000	64.322	64.070	63.756	64.148	63.049	63.209
281760.000	64.324	64.052	63.838	64.167	62.903	63.189
281770.000	64.326	63.884	63.566	64.161	62.749	63.046
281780.000	64.329	63.692	63.310	64.137	62.541	62.959
281790.000	64.331	63.599	63.240	64.121	62.333	62.960
281800.000	64.333	63.550	63.258	64.090	62.125	62.988
281810.000	64.335	63.580	63.298	64.072	62.632	62.998
281820.000	64.337	63.612	63.251	64.087	62.227	62.904
281830.000	64.339	63.614	63.174	64.097	62.048	62.823
281840.000	64.341	63.633	63.117	64.077	62.127	62.834
281850.000	64.343	63.725	63.333	64.050	61.847	63.044
281860.000	64.345	63.748	63.436	64.033	62.099	63.133
281870.000	64.347	63.764	63.448	64.029	61.646	63.163
281880.000	64.349	63.847	63.536	64.023	62.033	63.124
281890.000	64.351	63.887	63.443	64.029	61.446	62.940
281900.000	64.353	63.924	63.482	64.057	61.962	62.928
281910.000	64.355	63.972	63.625	64.067	61.926	62.999
281920.000	64.357	63.950	63.698	64.064	61.890	63.069
281930.000	64.359	63.929	63.865	64.066	61.855	63.139
281940.000	64.361	63.954	63.668	64.070	61.291	63.210

HORIZONTAL ALIGNMENT: R=670.000m L=653.022m | L=80.000m | æ L=426.802m

VERTICAL ALIGNMENT: L=381.699m G=-0.042 | R=241315.796m L=150.000m | G=0.020 L=318.301m

SUPERELEVATION: Q=5.000 / Q=5.000 | Q=2.500 Q=2.500

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer : STUP Consultant Pvt. Ltd in association with M/s AYOLEEZA Consultants Pvt. Ltd Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108, NH-37,Nagaon,Assam,Pin 782001

EPC Contractor : TK Engineering Consortium Pvt. Ltd Model Village, Naharlagun -791110 Papum Pare District, Arunachal Pradesh

Design Director : Er. P.V.S.R. Keerti

Proof Consultant : Alliance Engineers and Consultants 1st floor , TKD Aloy Opp SBI Chandmari MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 281.140 to Km.281.940*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet) HOR 10 0 20 40 VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 04

DATE :

REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

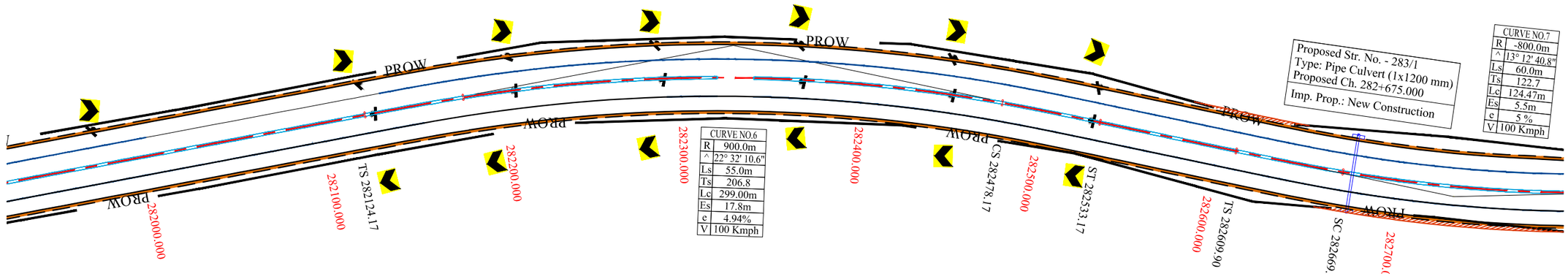
- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

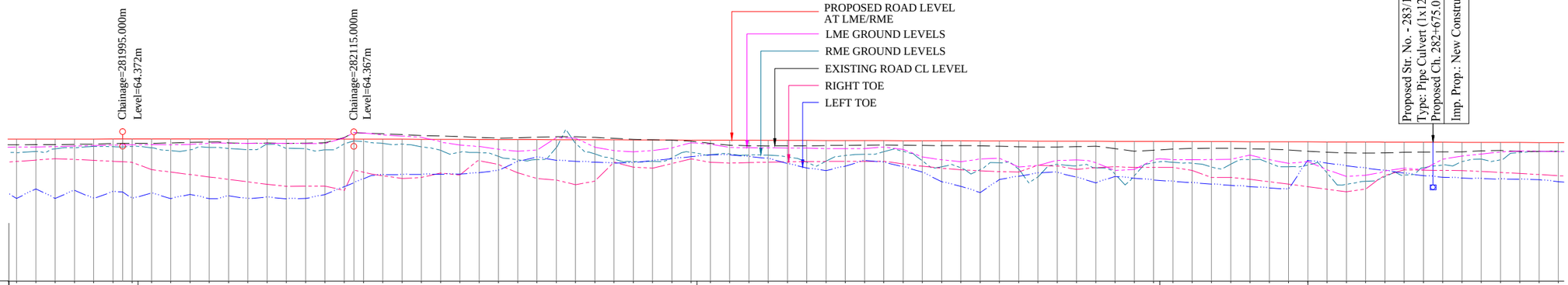
PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT



CURVE NO.6	
R	900.0m
^	22° 32' 10.6"
Ls	55.0m
Ts	206.8
Lc	299.00m
Es	17.8m
e	4.94%
V	100 Kmph

CURVE NO.7	
R	-800.0m
^	13° 12' 40.8"
Ls	60.0m
Ts	122.7
Lc	124.47m
Es	5.5m
e	5 %
V	100 Kmph



Datum =57.000

TCS TYPE	TCS TYPE III	TCS TYPE VII	TCS TYPE VII	TCS TYPE VIII	TCS TYPE III	TCS
PROPOSED ROAD LEVELS AT LME/RME	64.361 64.363 64.365 64.367 64.369 64.371 64.373 64.375 64.376 64.377 64.377 64.377 64.377 64.376 64.375 64.373 64.371 64.369 64.366 64.363 64.360 64.357 64.354 64.351 64.348 64.345 64.343 64.340 64.337 64.334 64.331 64.328 64.325 64.322 64.319 64.317 64.314 64.311 64.308 64.305 64.302 64.299 64.296 64.293 64.290 64.288 64.285 64.282 64.279 64.276 64.273 64.270 64.267 64.264 64.262 64.259 64.256 64.253 64.250 64.247 64.244 64.241 64.238 64.236 64.233 64.230 64.227 64.224 64.221 64.218 64.215 64.212 64.210 64.207 64.204 64.201 64.198 64.195 64.192 64.189 64.186					
LME GROUND LEVELS	63.954 63.956 63.978 64.008 64.032 64.064 64.069 64.080 64.095 64.148 64.149 64.141 64.096 64.147 64.144 64.137 64.138 64.123 64.251 64.588 64.526 64.462 64.241 64.060 63.986 63.840 63.733 63.800 64.437 64.160 63.949 63.773 63.708 63.774 63.909 64.179 64.103 63.935 63.920 63.913 63.900 63.906 63.874 63.871 63.873 63.957 63.834 63.441 63.294 63.190 63.336 63.372 63.270 62.920 63.002 63.257 63.284 63.141 62.737 62.795 63.298 63.299 63.293 63.307 63.317 63.539 63.304 63.105 63.204 62.775 62.425 62.494 62.714 62.861 62.797 63.323 63.488 63.592 63.696 63.752 63.739 63.720					
RME GROUND LEVELS	63.668 63.721 63.863 63.923 63.985 63.975 63.990 63.919 63.770 63.810 63.939 63.885 63.823 64.096 63.890 63.874 63.812 64.123 64.251 64.149 64.108 63.970 63.786 63.689 63.667 63.474 63.297 63.304 63.922 64.160 63.596 63.335 63.206 63.213 63.405 63.683 63.562 63.599 63.543 63.537 63.444 63.168 63.227 63.518 63.713 63.732 63.240 62.934 62.872 62.786 63.135 62.802 62.405 63.054 62.985 62.880 62.553 62.465 63.139 63.160 62.926 63.063 63.307 63.129 62.935 63.020 62.611 62.020 62.178 62.605 62.628 62.392 62.093 62.429 62.338 62.244 62.168 62.101 62.033 61.966 61.898 61.830 61.763 63.259 63.121 62.987 62.858 62.736 62.475 62.770 62.753 62.737 62.736 62.688 62.637 62.583 62.528 62.470					
EX. ROAD LEVELS AT CROWN	64.070 64.077 64.082 64.094 64.109 64.132 64.149 64.146 64.167 64.197 64.217 64.163 64.142 64.163 64.142 64.156 64.174 64.450 64.680 64.643 64.600 64.555 64.530 64.499 64.456 64.416 64.431 64.470 64.487 64.485 64.457 64.404 64.354 64.331 64.309 64.261 64.148 64.049 64.020 64.013 64.016 64.020 64.033 64.043 64.051 64.058 64.050 64.035 64.029 64.032 63.995 63.970 63.957 63.960 63.975 63.999 63.870 63.741 63.792 63.847 63.883 63.899 63.888 63.865 63.849 63.806 63.740 63.683 63.650 63.641 63.654 63.679 63.696 63.704 63.701 63.758 63.775 63.775 63.728 63.730					
LEFT TOE LEVELS	61.291 61.783 61.288 61.712 61.285 61.641 61.282 61.569 61.279 61.498 61.276 61.427 61.272 61.355 61.269 61.284 61.482 61.897 62.312 62.516 62.526 62.536 62.546 62.556 62.622 62.738 63.201 63.435 63.265 63.216 63.167 63.118 63.146 63.247 63.348 63.449 63.550 63.553 63.460 63.367 63.096 62.863 62.735 62.963 63.265 63.169 62.936 62.656 62.152 61.915 61.589 62.268 62.436 62.605 62.628 62.392 62.093 62.429 62.338 62.244 62.168 62.101 62.033 61.966 61.898 61.830 61.763 63.259 63.121 62.987 62.858 62.736 62.475 62.770 62.753 62.737 62.736 62.688 62.637 62.583 62.528 62.470					
RIGHT TOE LEVELS	63.210 63.280 63.350 63.311 63.264 63.217 63.159 62.783 62.656 62.529 62.402 62.275 62.148 62.021 61.916 61.923 61.931 61.700 62.648 62.467 62.321 62.373 62.603 62.498 63.245 63.049 62.615 62.324 62.243 61.999 62.184 62.914 62.858 63.097 63.340 63.162 63.123 63.147 63.168 63.185 63.198 63.208 63.215 63.218 63.078 62.957 62.856 62.776 62.717 62.679 62.662 63.012 62.976 62.792 62.883 62.933 62.896 62.901 62.898 62.740 62.372 62.379 62.281 62.153 62.025 61.897 61.765 61.633 61.776 62.475 62.736 62.770 62.753 62.737 62.736 62.688 62.637 62.583 62.528 62.470					
HORIZONTAL ALIGNMENT		L=55.000m	R=900.000m L=298.999m	L=55.000m	R=76.732m L=60.000m	R=-800.0 L=124.4
VERTICAL ALIGNMENT		L=120.000m R=-243484.453m	L=690.000m G=-0.029			
SUPERELEVATION		Q=4.940	Q=4.940	Q=2.500	Q=2.500	Q=5.00 Q=5.00
CHAINAGE	281940.000 281950.000 281960.000 281970.000 281980.000 281990.000 282000.000 282010.000 282020.000 282030.000 282040.000 282050.000 282060.000 282070.000 282080.000 282090.000 282100.000 282110.000 282120.000 282130.000 282140.000 282150.000 282160.000 282170.000 282180.000 282190.000 282200.000 282210.000 282220.000 282230.000 282240.000 282250.000 282260.000 282270.000 282280.000 282290.000 282300.000 282310.000 282320.000 282330.000 282340.000 282350.000 282360.000 282370.000 282380.000 282390.000 282400.000 282410.000 282420.000 282430.000 282440.000 282450.000 282460.000 282470.000 282480.000 282490.000 282500.000 282510.000 282520.000 282530.000 282540.000 282550.000 282560.000 282570.000 282580.000 282590.000 282600.000 282610.000 282620.000 282630.000 282640.000 282650.000 282660.000 282670.000 282680.000 282690.000 282700.000 282710.000 282720.000 282730.000 282740.000					

Rev No	DATE	DESCRIPTION	S.D. DESIGNED	N.K DRAWN	J.K.S. CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION				

Client :

NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 281.940 to Km.282.740*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)

HOR 10 0 20 40

VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 05

DATE :

REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

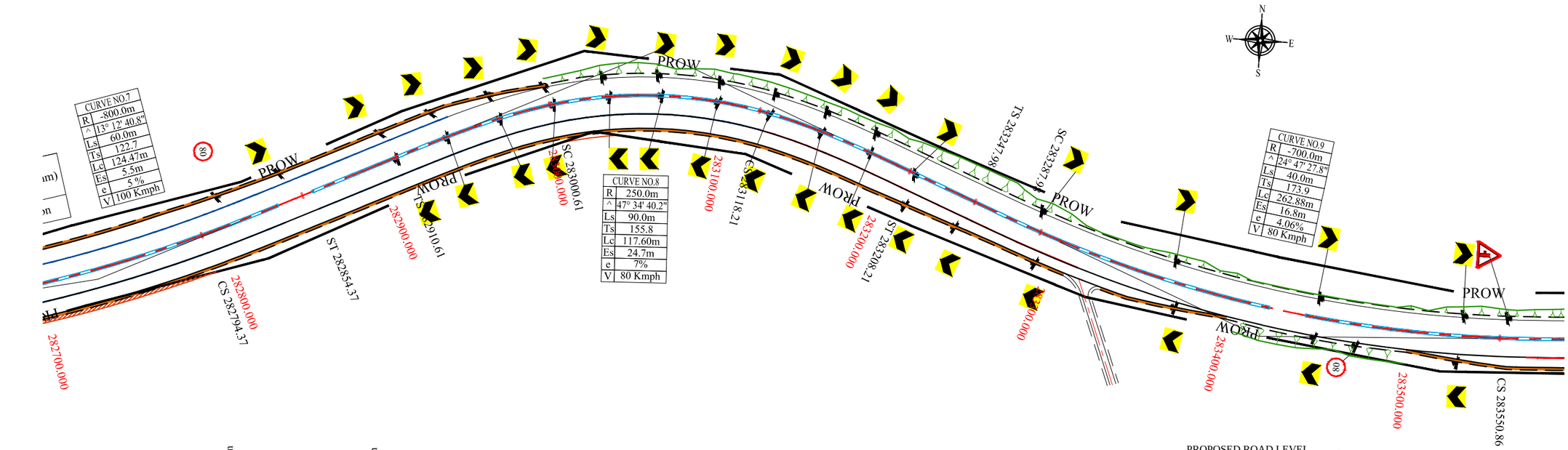
- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

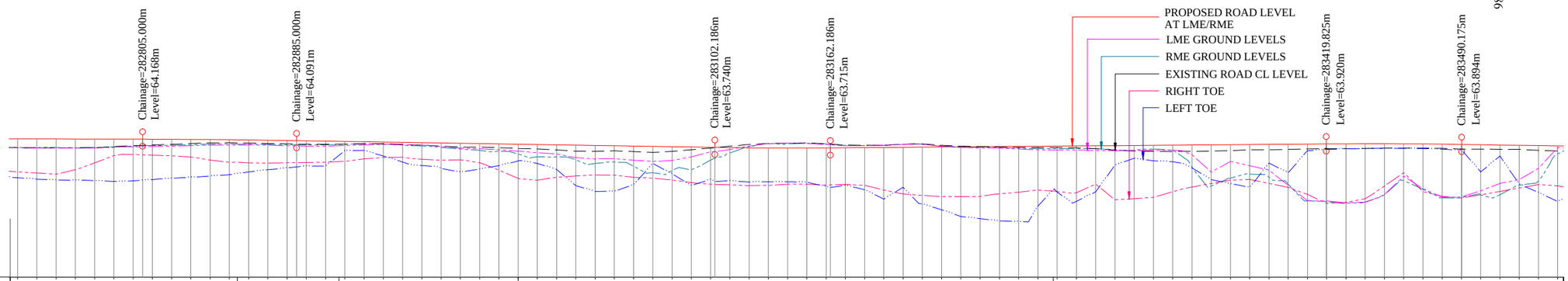
PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT





Datum =57.000

TCS TYPE	TCS TYPE VIII	TCS TYPE III	TCS TYPE VIII	TCS TYPE IX	TCS TYPE IX	TCS TYPE VII
HORIZONTAL ALIGNMENT	0.000m 4.465m	L=60.000m	∝ L=56.240m	L=90.000m R=250.000m L=117.598m	L=90.000m	∝ L=39.776m L=40.000m R=-700.000m L=262.880m
VERTICAL ALIGNMENT		L=80.000m R=-60154.030m	L=217.186m G=-0.162	R=24857.742m L=60.000m	G=0.079 L=257.639m	L=70.351m R=-30344.588m L=94. G=-0
SUPERELEVATION	000 000	Q=2.500	Q=2.500 Q=7.000	Q=7.000	Q=2.500 Q=2.500	Q=4.060 Q=4.060

CHAINAGE	PROPOSED ROAD LEVELS AT LME/RME	LME GROUND LEVELS	RME GROUND LEVELS	EX. ROAD LEVELS AT CROWN	LEFT TOE LEVELS	RIGHT TOE LEVELS
282740.000	64.186	63.720	63.733	63.730	62.160	62.470
282750.000	64.183	63.714	63.727	63.721	62.092	62.410
282760.000	64.181	63.717	63.731	63.706	62.049	62.348
282770.000	64.178	63.706	63.726	63.708	62.033	62.579
282780.000	64.175	63.713	63.742	63.733	62.010	62.938
282790.000	64.172	63.776	63.776	63.776	61.978	63.312
282800.000	64.169	63.764	63.740	63.828	62.002	63.368
282810.000	64.166	63.786	63.835	63.867	62.072	63.337
282820.000	64.161	63.804	63.848	63.902	62.134	63.305
282830.000	64.155	63.832	63.882	63.946	62.187	63.246
282840.000	64.147	63.860	63.911	63.976	62.252	63.081
282850.000	64.138	63.864	63.918	63.980	62.323	62.966
282860.000	64.127	63.867	63.907	63.967	62.465	62.938
282870.000	64.114	63.856	63.905	63.945	62.578	62.924
282880.000	64.099	63.826	63.883	63.925	62.677	62.943
282890.000	64.083	63.807	63.871	63.907	62.774	62.960
282900.000	64.067	63.806	63.871	63.904	62.772	62.970
282910.000	64.051	63.837	63.899	63.915	62.572	63.013
282920.000	64.035	63.869	63.925	63.928	62.583	63.151
282930.000	64.018	63.891	63.912	63.928	62.295	63.218
282940.000	64.002	63.873	63.858	63.896	62.980	63.233
282950.000	63.986	63.856	63.813	63.856	62.796	63.124
282960.000	63.970	63.784	63.743	63.802	62.644	63.074
282970.000	63.954	63.701	63.657	63.758	62.456	63.098
282980.000	63.937	63.670	63.588	63.753	62.611	62.947
282990.000	63.921	63.619	63.533	63.728	62.792	62.563
283000.000	63.905	63.544	63.400	63.686	63.035	62.127
283010.000	63.889	63.468	63.250	63.656	62.911	62.034
283020.000	63.873	63.395	63.251	63.607	62.596	62.189
283030.000	63.856	63.208	63.097	63.548	62.750	62.260
283040.000	63.840	63.141	62.904	63.536	61.453	62.314
283050.000	63.824	63.154	62.976	63.561	61.460	62.300
283060.000	63.808	63.071	62.771	63.526	61.806	62.184
283070.000	63.792	63.008	62.426	63.477	62.905	62.145
283080.000	63.775	63.063	62.541	63.535	62.362	62.044
283090.000	63.759	63.247	62.581	63.617	61.757	61.909
283100.000	63.743	63.510	63.081	63.706	62.085	61.823
283110.000	63.728	63.633	63.455	63.805	62.012	61.797
283120.000	63.717	63.805	63.768	63.888	61.947	61.756
283130.000	63.710	63.941	63.937	63.944	61.950	61.765
283140.000	63.707	63.950	63.918	63.963	61.953	61.830
283150.000	63.708	63.892	63.921	63.969	61.930	61.826
283160.000	63.713	63.824	63.849	63.925	61.706	61.780
283170.000	63.721	63.834	63.844	63.860	61.774	61.817
283180.000	63.729	63.855	63.849	63.843	61.542	61.768
283190.000	63.737	63.894	63.899	63.850	61.055	61.524
283200.000	63.745	63.753	63.904	63.904	61.666	61.321
283210.000	63.753	63.895	63.904	63.919	60.803	61.244
283220.000	63.761	63.795	63.820	63.846	60.503	61.184
283230.000	63.769	63.733	63.769	63.804	60.151	61.191
283240.000	63.777	63.709	63.750	63.781	60.036	61.194
283250.000	63.785	63.700	63.731	63.765	59.923	61.329
283260.000	63.793	63.656	63.698	63.743	59.886	61.413
283270.000	63.801	63.618	63.677	63.736	60.698	61.529
283280.000	63.808	63.602	63.673	63.729	61.422	61.445
283290.000	63.816	63.606	63.685	63.720	60.942	61.385
283300.000	63.824	63.577	63.670	63.673	61.432	61.834
283310.000	63.832	63.562	63.612	63.595	62.813	61.020
283320.000	63.840	63.570	63.598	63.557	63.176	61.077
283330.000	63.848	63.588	63.654	63.532	63.042	61.146
283340.000	63.856	63.596	63.577	63.528	62.995	61.440
283350.000	63.864	63.362	62.723	63.533	62.672	61.682
283360.000	63.872	62.454	61.729	63.547	62.070	61.868
283370.000	63.880	63.014	62.144	63.572	61.860	62.042
283380.000	63.888	62.786	62.355	63.612	61.661	62.076
283390.000	63.896	62.562	62.190	63.622	62.926	61.869
283400.000	63.904	61.834	62.421	63.635	63.570	61.662
283410.000	63.912	61.770	60.965	63.656	63.675	60.833
283420.000	63.920	60.969	60.917	63.675	63.672	60.885
283430.000	63.926	60.864	60.838	63.672	63.677	61.078
283440.000	63.929	60.900	60.910	63.677	63.678	61.738
283450.000	63.929	61.292	61.282	63.700	63.695	62.426
283460.000	63.925	62.243	62.013	63.701	63.689	61.834
283470.000	63.918	61.590	61.566	63.703	63.679	61.446
283480.000	63.908	61.159	61.117	63.689	63.646	61.198
283490.000	63.894	61.166	61.143	63.654	63.595	61.110
283500.000	63.879	61.486	61.291	63.649	62.469	61.275
283510.000	63.864	61.865	61.284	63.640	63.293	61.455
283520.000	63.848	62.066	61.780	63.640	61.834	61.632
283530.000	63.833	62.656	62.007	63.591	61.401	61.807
283540.000	63.818	63.721	63.411	63.555	60.931	61.745

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 282.740 to Km.283.540*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet) HOR 10 0 20 40 VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 06

DATE : REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

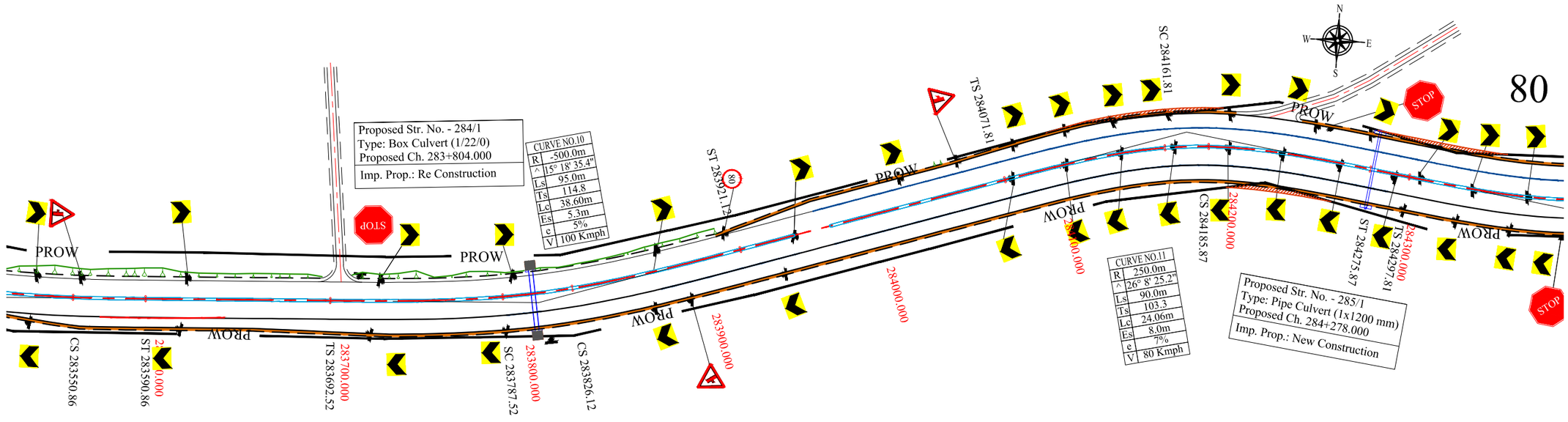
PROFILE :

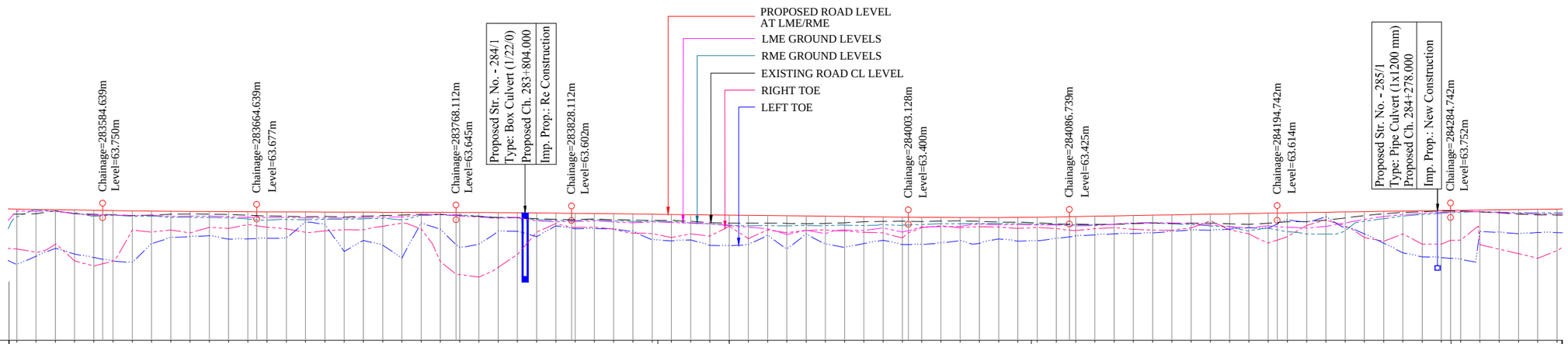
- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT

Nagaon ← → Rangagara

07

80





Datum =57.000

TCS TYPE	TCS TYPE VII	TCS TYPE VII	TCS TYPE IV	TCS TYPE III	TCS TYPE III	TCS TYPE VIII	TCS
HORIZONTAL ALIGNMENT	L=40.000m	æ L=101.656m	L=95.000m	R=-500.000m L=38.603m	L=95.000m	æ L=150.686m	L=90.000m	R=250.000m L=24.059m	L=90.000m	æ L=21.944m	L=
VERTICAL ALIGNMENT	94.464m =-0.152	R=65557.948m L=80.000m	L=103.473m G=-0.030	L=60.000m R=-70558.832m	L=175.016m G=-0.115	R=28767.487m L=83.610m	G=0.175 L=108.003m	L=90.000m R=-204248.523m	G=0.131 L=89.375m
SUPERELEVATION	Q=2.500	Q=2.500	Q=5.000	Q=5.000	Q=2.500	Q=2.500	Q=7.000	Q=7.000	Q=2.500	Q=2.500

PROPOSED ROAD LEVELS AT LME/RME	LME GROUND LEVELS	RME GROUND LEVELS	EX. ROAD LEVELS AT CROWN	LEFT TOE LEVELS	RIGHT TOE LEVELS	CHAINAGE
63.818	63.721	63.411	63.555	60.931	61.745	283540.000
63.803	63.702	63.789	63.574	61.366	61.587	283550.000
63.787	63.717	63.705	63.727	61.783	61.988	283560.000
63.772	63.586	63.614	63.575	61.482	61.126	283570.000
63.757	63.493	63.453	63.542	61.305	60.866	283580.000
63.742	63.512	63.497	63.526	61.120	61.112	283590.000
63.728	63.475	63.451	63.486	61.042	62.734	283600.000
63.716	63.491	63.456	63.504	62.028	62.627	283610.000
63.706	63.443	63.383	63.552	62.340	62.734	283620.000
63.697	63.455	63.400	63.568	62.386	62.583	283630.000
63.689	63.451	63.384	63.554	62.438	62.871	283640.000
63.683	63.420	63.362	63.532	62.259	62.816	283650.000
63.678	63.391	63.310	63.501	62.273	63.018	283660.000
63.675	63.382	63.247	63.460	62.306	62.880	283670.000
63.672	63.383	63.281	63.446	62.305	62.797	283680.000
63.669	63.358	63.267	63.430	62.144	62.610	283690.000
63.666	63.365	63.292	63.438	63.020	62.688	283700.000
63.663	63.353	63.292	63.403	61.621	62.749	283710.000
63.660	63.384	63.313	63.454	62.188	62.744	283720.000
63.657	63.412	63.336	63.482	61.952	62.921	283730.000
63.654	63.413	63.268	63.510	61.263	63.095	283740.000
63.651	63.533	63.492	63.548	63.087	62.790	283750.000
63.648	63.544	63.525	63.546	62.768	61.092	283760.000
63.645	63.470	63.517	63.478	61.815	60.418	283770.000
63.641	63.408	63.458	63.438	61.983	60.288	283780.000
63.635	63.344	63.382	63.382	62.672	60.790	283790.000
63.629	63.391	63.377	63.384	62.666	61.464	283800.000
63.620	63.201	63.269	63.316	62.381	62.616	283810.000
63.611	63.163	63.228	63.281	62.952	63.063	283820.000
63.600	63.171	63.223	63.269	62.793	62.866	283830.000
63.588	63.212	63.262	63.306	62.810	62.886	283840.000
63.576	63.147	63.208	63.264	62.790	62.769	283850.000
63.565	63.109	63.178	63.246	62.666	62.572	283860.000
63.553	63.157	63.189	63.230	62.220	62.555	283870.000
63.542	63.128	63.167	63.236	62.170	62.344	283880.000
63.530	63.089	63.106	63.180	62.214	62.531	283890.000
63.519	63.062	63.046	63.122	61.936	62.415	283900.000
63.507	62.959	62.991	63.087	61.914	62.931	283910.000
63.496	62.872	62.951	63.088	61.961	62.283	283920.000
63.484	62.798	62.958	63.088	62.451	62.736	283930.000
63.473	62.952	62.958	63.088	61.734	62.594	283940.000
63.461	62.720	62.960	63.055	62.516	62.712	283950.000
63.450	62.548	62.959	63.071	61.995	62.738	283960.000
63.438	62.730	62.982	63.110	61.824	62.687	283970.000
63.426	62.714	62.968	63.162	62.028	62.611	283980.000
63.415	62.838	63.011	63.181	62.201	62.586	283990.000
63.403	62.623	62.978	63.186	61.979	62.319	284000.000
63.393	62.895	63.018	63.170	61.976	62.852	284010.000
63.385	62.904	63.055	63.201	62.059	62.951	284020.000
63.381	62.922	63.055	63.214	62.180	62.851	284030.000
63.381	63.049	63.071	63.182	62.044	62.902	284040.000
63.384	62.999	63.062	63.142	62.273	62.883	284050.000
63.390	63.024	63.055	63.143	62.158	62.814	284060.000
63.400	63.000	63.031	63.103	62.170	62.866	284070.000
63.414	62.991	63.027	63.050	62.292	62.802	284080.000
63.431	62.953	62.993	63.031	62.416	62.705	284090.000
63.448	62.957	62.997	63.022	62.482	62.801	284100.000
63.466	63.035	63.030	63.025	62.537	62.861	284110.000
63.483	63.100	63.081	63.067	62.550	62.771	284120.000
63.501	63.118	63.092	63.092	62.578	62.723	284130.000
63.518	63.096	63.059	63.077	62.664	62.719	284140.000
63.536	63.066	63.021	63.089	62.733	62.842	284150.000
63.553	63.000	62.944	63.091	62.717	63.218	284160.000
63.571	62.912	62.896	63.052	62.779	62.745	284170.000
63.588	62.815	62.694	63.028	62.862	62.534	284180.000
63.606	62.949	62.821	63.085	62.828	62.058	284190.000
63.623	62.872	62.649	63.160	63.258	62.389	284200.000
63.640	62.830	62.528	63.173	63.118	62.971	284210.000
63.657	62.923	62.524	63.239	63.413	63.259	284220.000
63.673	63.100	62.703	63.360	62.875	62.930	284230.000
63.688	63.288	63.193	63.481	62.532	62.339	284240.000
63.703	63.435	63.319	63.579	62.045	62.148	284250.000
63.718	63.530	63.464	63.648	61.547	62.532	284260.000
63.732	63.594	63.535	63.683	61.342	62.001	284270.000
63.746	63.655	63.602	63.717	61.298	61.996	284280.000
63.759	63.660	63.660	63.715	61.212	62.203	284290.000
63.772	63.682	63.684	63.676	61.969	62.653	284300.000
63.785	63.639	63.660	63.623	61.739	62.608	284310.000
63.798	63.594	63.632	63.557	61.502	62.538	284320.000
63.811	63.570	63.619	63.519	61.263	62.604	284330.000
63.824	63.562	63.625	63.510	61.663	62.599	284340.000

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 283.540 to Km.284.340*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)

HOR 10 0 20 40
VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 07

DATE : REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

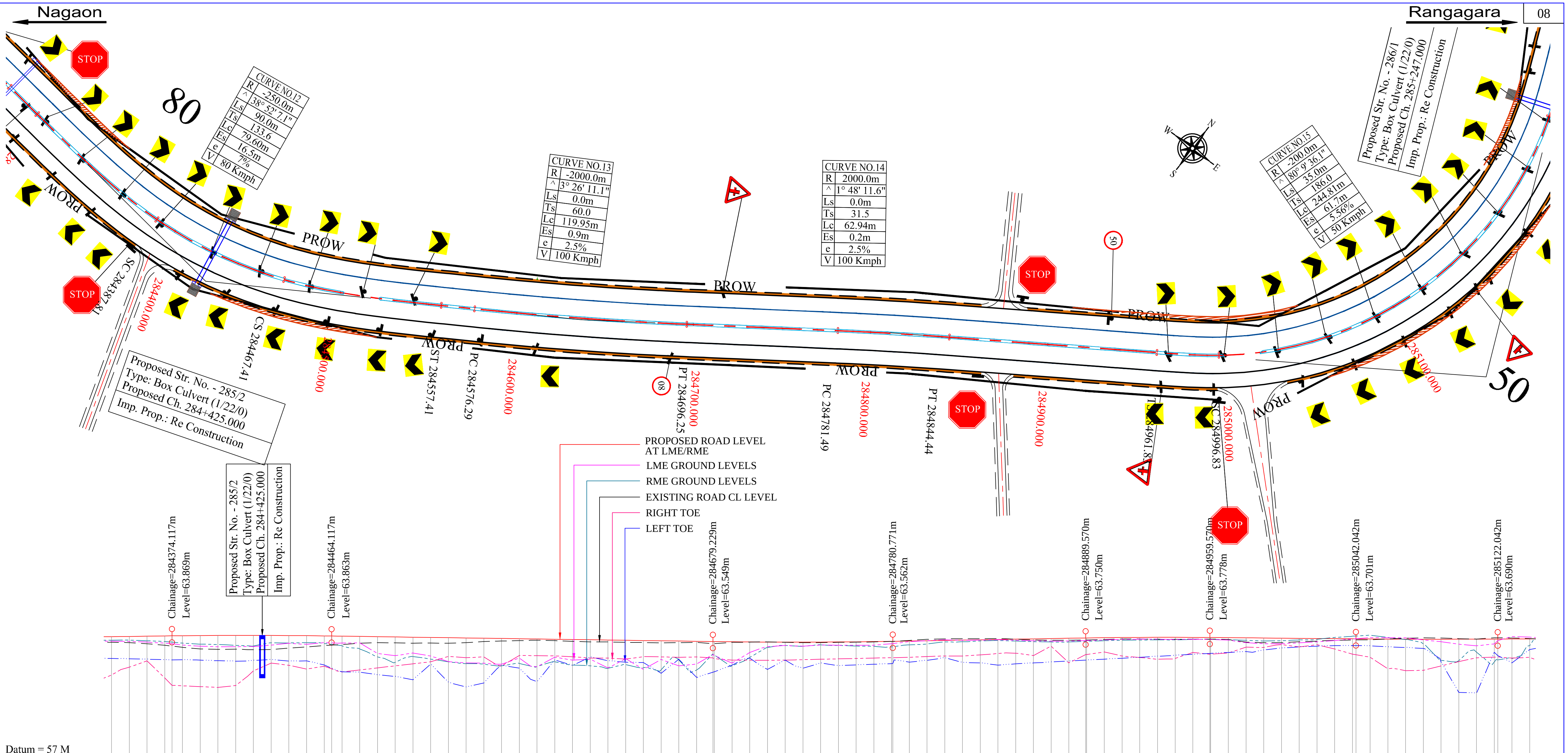
- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT



Datum = 57 M

TCS TYPE: TCS TYPE VII (Ch. 284340–284590); TCS TYPE III (Ch. 284590–284960); TCS TYPE VIII (Ch. 284960–285140)

CHAINAGE	284340.000	284350.000	284360.000	284370.000	284380.000	284390.000	284400.000	284410.000	284420.000	284430.000	284440.000	284450.000	284460.000	284470.000	284480.000	284490.000	284500.000	284510.000	284520.000	284530.000
PROPOSED ROAD LEVELS AT LME/RME	63.824	63.838	63.851	63.864	63.876	63.886	63.893	63.896	63.897	63.894	63.889	63.880	63.868	63.854	63.839	63.825	63.810	63.796	63.781	63.766
LME GROUND LEVELS	63.567	63.553	63.516	63.458	63.356	63.285	63.255	63.256	63.272	63.348	63.451	63.390	63.490	63.461	63.475	62.878	62.749	62.906	62.734	62.417
RME GROUND LEVELS	63.625	63.627	63.594	63.551	63.462	63.406	63.381	63.334	63.303	63.477	63.471	63.492	63.439	63.306	63.133	62.686	62.381	62.699	62.559	62.407
EX. ROAD LEVELS AT CROWN	63.510	63.485	63.427	63.344	63.225	63.134	63.107	63.119	63.086	63.103	63.185	63.242	63.321	63.382	63.454	63.486	63.479	63.458	63.464	63.451
LEFT TOE LEVELS	62.599	62.576	62.552	62.523	62.528	62.501	62.470	62.443	62.486	62.533	62.450	62.458	62.230	61.844	61.823	61.677	61.585	61.396	62.277	61.249
RIGHT TOE LEVELS	61.663	62.101	62.460	61.499	61.055	61.008	60.965	61.069	61.897	62.336	62.215	61.997	62.158	61.838	61.945	62.063	62.179	62.294	62.408	62.711

CHAINAGE	284540.000	284550.000	284560.000	284570.000	284580.000	284590.000	284600.000	284610.000	284620.000	284630.000	284640.000	284650.000	284660.000	284670.000	284680.000	284690.000	284700.000	284710.000	284720.000	284730.000
PROPOSED ROAD LEVELS AT LME/RME	63.752	63.737	63.723	63.708	63.694	63.679	63.664	63.650	63.635	63.621	63.606	63.591	63.577	63.562	63.548	63.535	63.525	63.519	63.515	63.515
LME GROUND LEVELS	62.341	62.330	62.270	62.619	62.129	62.670	62.504	62.556	62.061	62.582	61.984	62.544	62.175	62.282	62.760	62.339	62.927	63.263	63.328	63.289
RME GROUND LEVELS	62.304	62.273	62.180	62.319	62.133	62.406	62.219	62.183	62.047	62.248	62.070	61.961	62.510	61.950	62.795	62.184	62.650	63.212	63.326	63.287
EX. ROAD LEVELS AT CROWN	63.490	63.545	63.578	63.600	63.625	63.602	63.563	63.530	63.525	63.505	63.495	63.473	63.485	63.503	63.430	63.508	63.515	63.530	63.506	63.488
LEFT TOE LEVELS	60.984	61.214	62.213	62.052	61.282	62.520	62.204	62.683	62.469	62.385	62.362	61.762	62.550	61.525	61.846	62.215	62.622	61.980	62.506	62.049
RIGHT TOE LEVELS	62.634	62.686	62.175	62.767	62.754	62.741	62.696	62.615	62.623	62.561	62.698	62.684	62.659	62.679	62.581	62.499	62.499	62.493	62.504	62.527

CHAINAGE	284740.000	284750.000	284760.000	284770.000	284780.000	284790.000	284800.000	284810.000	284820.000	284830.000	284840.000	284850.000	284860.000	284870.000	284880.000	284890.000	284900.000	284910.000	284920.000	284930.000
PROPOSED ROAD LEVELS AT LME/RME	63.518	63.524	63.533	63.545	63.561	63.578	63.595	63.613	63.630	63.647	63.664	63.681	63.699	63.716	63.733	63.750	63.766	63.777	63.785	63.788
LME GROUND LEVELS	63.360	63.342	63.344	63.345	63.427	63.542	63.599	63.644	63.626	63.629	63.653	63.622	63.590	63.573	63.577	63.602	63.643	63.674	63.683	63.682
RME GROUND LEVELS	63.366	63.326	63.294	63.274	63.249	63.363	63.412	63.527	63.537	63.585	63.610	63.577	63.543	63.524	63.525	63.561	63.599	63.624	63.635	63.641
EX. ROAD LEVELS AT CROWN	63.489	63.504	63.514	63.529	63.556	63.613	63.673	63.699	63.712	63.703	63.720	63.679	63.637	63.623	63.628	63.631	63.668	63.692	63.693	63.682
LEFT TOE LEVELS	62.339	62.189	62.235	62.270	62.307	62.390	62.492	62.638	62.369	62.348	62.222	62.294	62.342	62.395	62.449	62.503	62.557	62.611	62.665	62.719
RIGHT TOE LEVELS	62.550	62.573	62.596	62.618	62.640	62.661	62.701	62.737	62.735	62.793	62.874	62.894	62.759	63.291	62.346	62.819	62.961	62.733	62.654	62.548

CHAINAGE	284940.000	284950.000	284960.000	284970.000	284980.000	284990.000	285000.000	285010.000	285020.000	285030.000	285040.000	285050.000	285060.000	285070.000	285080.000	285090.000	285100.000	285110.000	285120.000	285130.000	285140.000
PROPOSED ROAD LEVELS AT LME/RME	63.789	63.785	63.777	63.768	63.759	63.750	63.740	63.731	63.722	63.713	63.703	63.695	63.688	63.683	63.680	63.680	63.681	63.684	63.689	63.695	63.702
LME GROUND LEVELS	63.669	63.677	63.666	63.630	63.483	63.429	63.428	63.477	63.534	63.607	63.694	63.768	63.763	63.761	63.637	63.541	63.401	63.308	63.417	63.831	63.802
RME GROUND LEVELS	63.644	63.669	63.677	63.659	63.621	63.585	63.594	63.645	63.674	63.785	63.848	63.898	63.780	63.665	63.424	62.496	62.468	62.956	62.394	62.590	63.324
EX. ROAD LEVELS AT CROWN	63.673	63.687	63.689	63.660	63.519	63.482	63.487	63.540	63.575	63.618	63.636	63.651	63.691	63.735	63.762	63.747	63.712	63.690	63.763	63.747	63.718
LEFT TOE LEVELS	62.773	62.827	62.881	62.935	62.986	63.070	63.182	63.249	63.293	63.318	63.322	63.310	63.252	63.216	63.160	62.402	60.682	60.646	62.938	62.346	63.105
RIGHT TOE LEVELS	62.602	62.935	62.837	62.907	63.236	63.214	63.378	63.248	63.371	63.129	62.840	62.665	62.006	61.904	61.930	62.175	62.419	62.633	62.672	62.614	62.662

HORIZONTAL ALIGNMENT: L=90.000m; R=-250.000m L=79.596m; L=90.000m; æ L=18.885m; R=-2000.000m L=119.953m; æ L=85.247m; R=2000.000m L=62.944m; æ L=117.392m; L=35.000m; R=-200.000m L=244.811m

VERTICAL ALIGNMENT: m; L=90.000m R=-32480.742m; L=215.111m G=-0.146; R=31909.192m L=101.543m; G=0.172 L=108.799m; L=70.000m R=-26444.423m; L=82.472m G=-0.092; R=51176.946m L=80.000m

SUPERELEVATION: Q=7.000; Q=7.000; Q=2.500 Q=2.500; Q=5.560; Q=5.560

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	

Client :

NHIDCL
BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill
Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 284.340 to Km.285.140*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)

HOR 10 0 20 40
VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 08

DATE :

REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

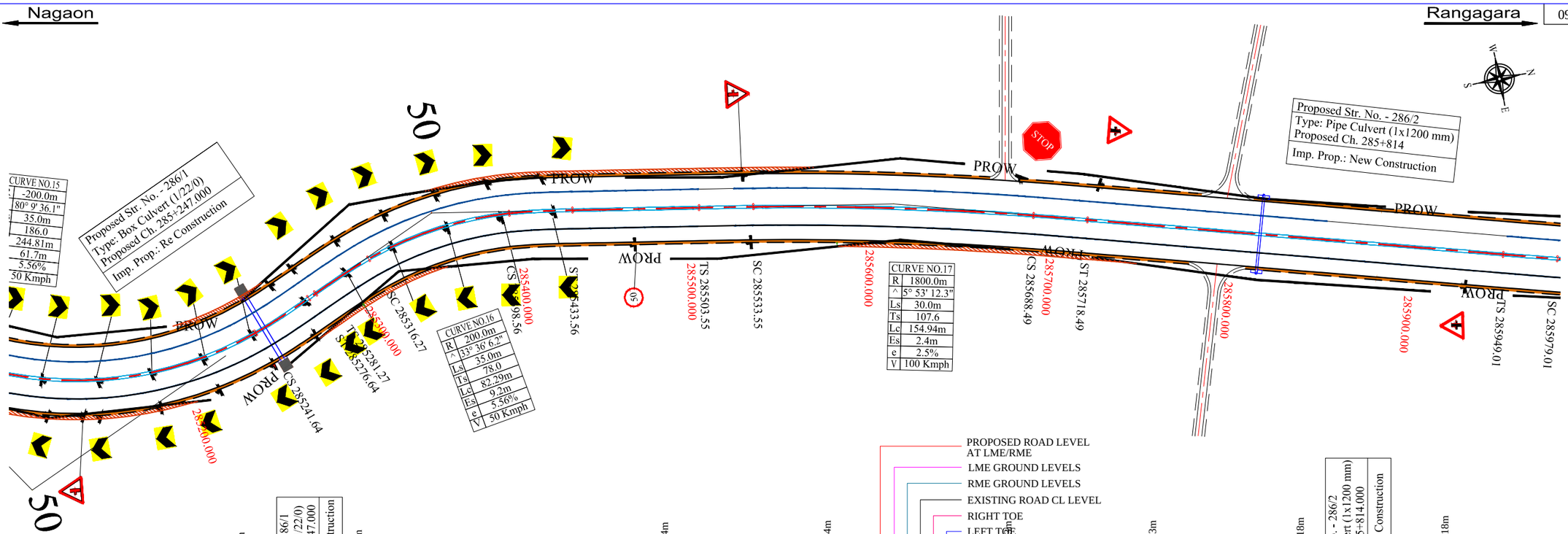
PROPOSED

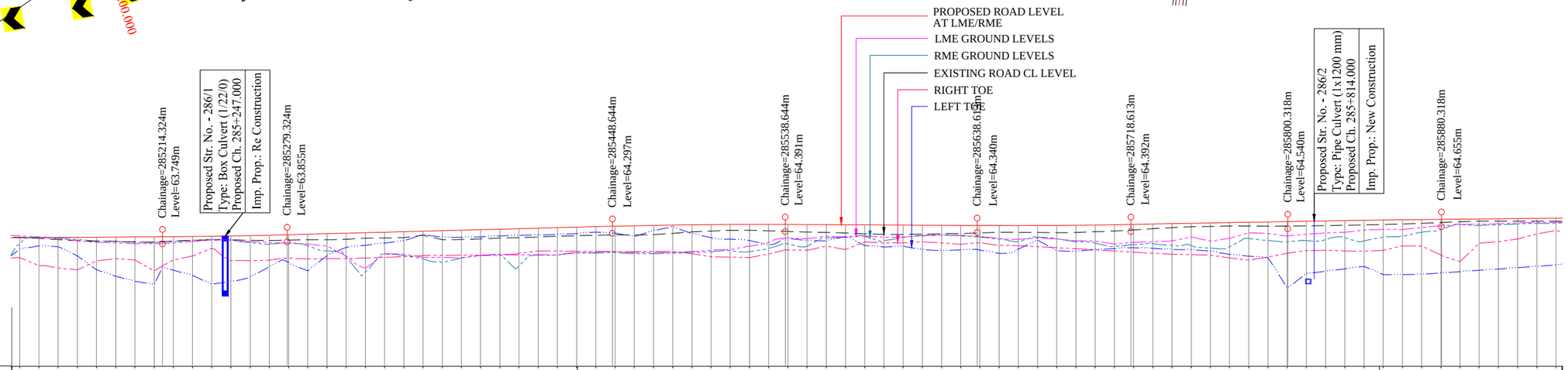
- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT

Nagaon ← → Rangagara





Datum =57.000

CHAINAGE	TCS TYPE	PROPOSED ROAD LEVELS AT LME/RME	LME GROUND LEVELS	RME GROUND LEVELS	EX. ROAD LEVELS AT CROWN	LEFT TOE LEVELS	RIGHT TOE LEVELS	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT	SUPERELEVATION
285140.000	TCS TYPE VIII	63.702	63.802	63.324	63.718	63.105	62.662		G=0.064 L=92.282m	
285150.000		63.708	63.728	63.738	63.665	63.268	62.245			
285160.000		63.714	63.644	63.689	63.603	63.226	62.120			
285170.000		63.721	63.540	63.606	63.540	62.749	62.025			
285180.000		63.727	63.461	63.537	63.514	62.027	62.495			
285190.000		63.734	63.434	63.513	63.508	61.687	62.615			
285200.000		63.740	63.389	63.464	63.477	61.434	62.539			
285210.000		63.746	63.387	63.458	63.471	61.266	61.967			
285220.000		63.753	63.428	63.511	63.521	62.000	62.536			
285230.000		63.763	63.503	63.570	63.559	61.736	62.745			
285240.000		63.776	63.573	63.609	63.574	61.275	63.149			
285250.000		63.791	63.564	63.584	63.584	61.416	62.501		L=35.000m	
285260.000		63.810	63.500	63.450	63.562	61.650	62.501			
285270.000		63.832	63.453	63.370	63.556	62.183	62.526			
285280.000		63.856	63.425	63.415	63.575	62.402	62.636			
285290.000		63.883	63.372	63.284	63.593	61.974	62.588			
285300.000		63.909	63.263	63.011	63.600	62.763	62.604			
285310.000		63.935	62.738	62.700	63.618	63.195	62.618			
285320.000		63.961	62.112	61.919	63.675	63.307	62.639			
285330.000		63.987	62.864	62.839	63.684	63.423	62.674			
285340.000		64.013	62.846	62.773	63.706	63.536	62.718			
285350.000		64.039	62.672	62.587	63.827	63.873	62.771			
285360.000		64.065	62.677	62.401	63.718	63.600	62.783			
285370.000		64.091	62.642	62.645	63.603	63.724	62.787			
285380.000		64.117	62.777	62.770	63.641	63.745	62.785			
285390.000		64.144	62.836	62.807	63.684	63.798	62.777			
285400.000		64.170	62.802	62.228	63.703	63.821	62.881			
285410.000		64.196	62.818	62.791	63.740	63.842	63.015			
285420.000		64.222	62.803	62.810	63.780	63.869	63.006			
285430.000		64.248	62.921	62.911	63.802	63.915	62.997			
285440.000		64.274	62.943	62.899	63.829	63.991	62.986			
285450.000		64.300	62.971	62.922	63.849	63.940	62.976			
285460.000		64.324	62.922	62.874	63.840	63.765	62.967			
285470.000		64.344	62.932	62.867	63.855	64.070	62.993			
285480.000		64.361	62.928	62.895	63.925	64.271	62.981			
285490.000		64.375	62.985	62.932	64.003	63.919	62.868			
285500.000		64.385	63.037	62.970	64.048	63.697	62.711			
285510.000		64.391	63.082	63.019	64.081	63.627	62.685			
285520.000		64.394	63.263	62.974	64.085	63.556	62.670			
285530.000		64.394	63.459	63.143	64.059	63.315	62.851			
285540.000		64.390	63.669	63.377	64.029	63.670	63.049			
285550.000		64.385	63.651	63.250	63.995	63.545	63.047			
285560.000		64.380	63.778	63.697	63.977	63.536	63.260			
285570.000		64.375	63.735	63.733	63.840	63.769	63.084			
285580.000		64.370	63.794	63.763	63.904	63.943	63.481			
285590.000		64.365	63.717	63.547	63.869	63.904	63.428			
285600.000		64.359	63.735	63.710	63.869	63.255	63.432			
285610.000		64.354	63.792	63.822	63.891	63.074	63.487			
285620.000		64.349	63.840	63.843	63.905	63.021	63.422			
285630.000		64.344	63.825	63.794	63.909	63.058	63.353			
285640.000		64.339	63.767	63.729	63.954	63.056	63.436			
285650.000		64.336	63.664	63.628	63.986	63.884	63.304			
285660.000		64.335	63.619	63.501	63.978	63.104	63.282			
285670.000		64.338	63.688	63.730	63.974	63.578	63.232			
285680.000		64.343	63.637	63.646	63.960	63.021	63.180			
285690.000		64.352	63.545	63.494	63.976	62.992	63.125			
285700.000		64.363	64.523	63.420	64.012	63.079	63.068			
285710.000		64.377	63.367	63.251	64.052	63.137	63.009			
285720.000		64.394	63.464	63.336	64.100	63.178	62.950			
285730.000		64.412	63.487	63.383	64.174	63.150	62.891			
285740.000		64.431	63.532	63.298	64.228	63.086	62.839			
285750.000		64.449	63.742	63.287	64.271	63.073	62.817			
285760.000		64.467	63.517	63.156	64.287	62.998	62.793			
285770.000		64.485	63.672	63.232	64.306	62.828	62.648			
285780.000		64.503	63.953	63.657	64.314	62.741	62.531			
285790.000		64.521	63.922	63.552	64.300	62.666	62.686			
285800.000		64.539	63.789	63.487	64.309	63.083	62.893			
285810.000		64.557	63.880	63.541	64.315	63.827	63.032			
285820.000		64.574	63.946	63.602	64.329	63.954	63.046			
285830.000		64.590	63.983	63.691	64.351	64.080	63.014			
285840.000		64.605	64.096	63.535	64.366	64.206	62.998			
285850.000		64.619	64.134	63.737	64.393	63.776	63.045			
285860.000		64.632	64.123	63.787	64.410	63.769	63.275			
285870.000		64.644	64.232	63.985	64.450	63.792	63.264			
285880.000		64.655	64.315	64.122	64.500	64.524	62.797			
285890.000		64.665	64.384	64.392	64.524	61.931	62.456			
285900.000		64.676	64.408	64.341	64.564	62.000	63.411			
285910.000		64.686	64.425	64.371	64.564	62.070	63.493			
285920.000		64.697	64.474	64.413	64.564	62.139	63.631			
285930.000		64.707	64.497	64.443	64.564	62.209	63.902			
285940.000		64.718	64.504	64.452	64.564	62.278	64.077			

TCS TYPE VIII | TCS TYPE III | TCS TYPE III | TCS TYPE VII

HORIZONTAL ALIGNMENT: L=35.000m | L=35.000m | R=200.000m L=82.292m | L=35.000m | L=69.988m | L=30.000m | R=1800.000m L=154.938m | L=30.000m | L=230.526m

VERTICAL ALIGNMENT: R=32991.057m L=65.000m | G=0.261 L=169.319m | L=90.000m R=-28816.258m | L=99.970m G=-0.051 | R=34335.427m L=80.000m | G=0.182 L=81.705m | L=80.000m R=-105161.472m | G=0.106 L=99.682m

SUPERELEVATION: Q=5.560 | Q=2.500 Q=2.500 | Q=5.560

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K.	J.K.S.	

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782002

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 285.140 to Km.285.940*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)
HOR 10 0 20 40
VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 09

DATE : REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

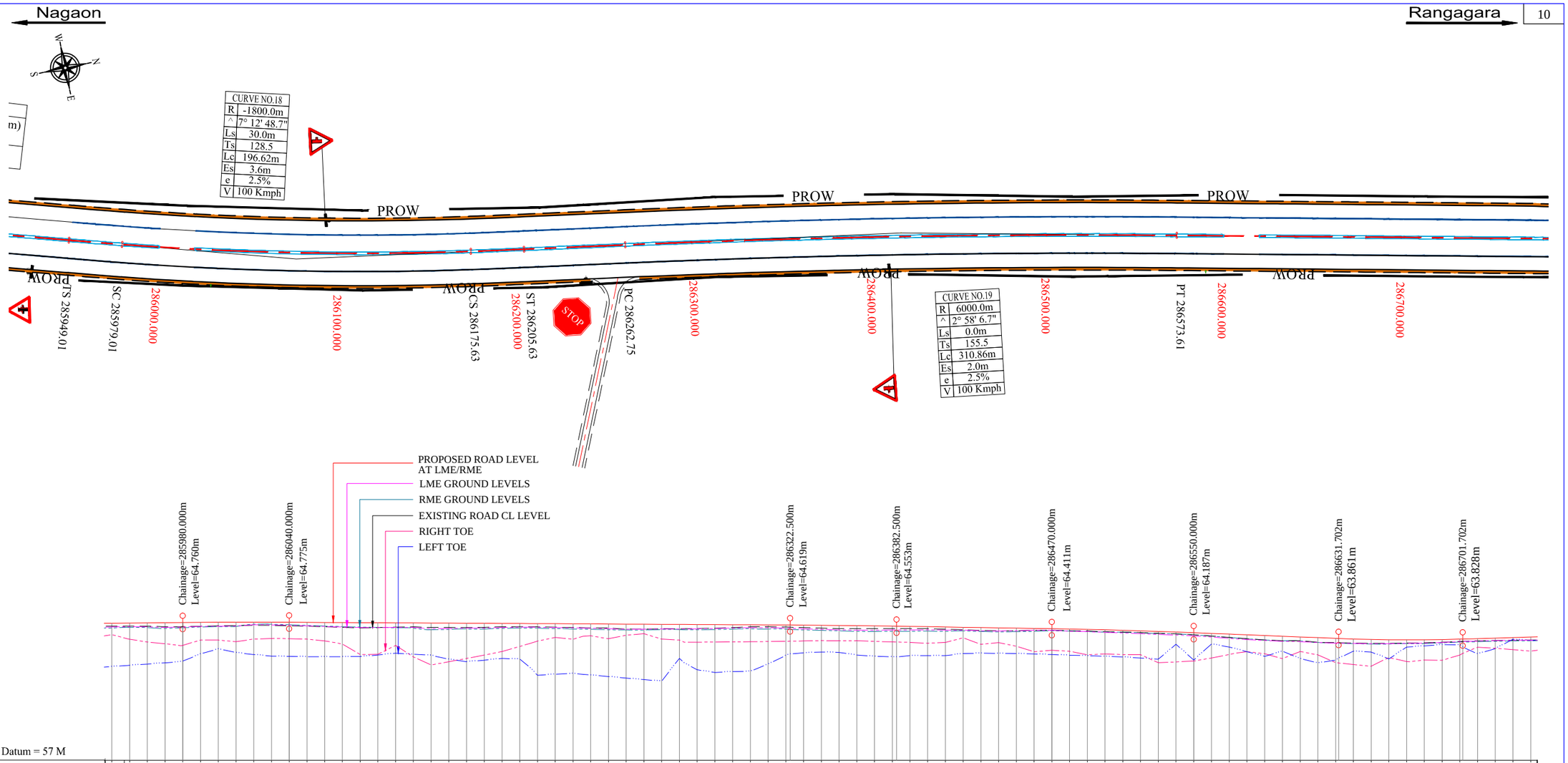
- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT



Datum = 57 M

TCS TYPE	TCS TYPE III	TCS TYPE III	TCS TYPE III	TCS TYPE III	TCS TYPE III
PROPOSED ROAD LEVELS AT LME/RME	64.718 64.728 64.739 64.750 64.760 64.769 64.776 64.780 64.781 64.779 64.775 64.770 64.764 64.759 64.753 64.747 64.742 64.736 64.731 64.725 64.720 64.714 64.709 64.703 64.698 64.692 64.687 64.681 64.675 64.670 64.664 64.659 64.653 64.648 64.642 64.637 64.631 64.626 64.620 64.614 64.606 64.597 64.585 64.572 64.557 64.541 64.525 64.509 64.492 64.476 64.460 64.444 64.427 64.411 64.393 64.373 64.349 64.322 64.293 64.260 64.225 64.187 64.147 64.107 64.067 64.027 63.987 63.948 63.908 63.868 63.832 63.805 63.789 63.782 63.786 63.799 63.823 63.853 63.883 63.913 63.943
LME GROUND LEVELS	64.504 64.527 64.518 64.483 64.503 64.537 64.555 64.558 64.631 64.628 64.603 64.573 64.539 64.503 64.479 64.477 64.487 64.485 64.410 64.425 64.444 64.449 64.475 64.499 64.493 64.473 64.464 64.438 64.414 64.383 64.406 64.420 64.450 64.471 64.465 64.449 64.408 64.377 64.344 64.330 64.330 64.339 64.339 64.346 64.334 64.335 64.292 64.278 64.292 64.320 64.323 64.273 64.253 64.200 64.174 64.131 64.088 64.057 64.006 63.941 63.861 63.799 63.750 63.702 63.686 63.632 63.602 63.585 63.566 63.570 63.587 63.598 63.634 63.682 63.714 63.742 63.761 63.765
RME GROUND LEVELS	64.452 64.488 64.477 64.428 64.466 64.507 64.528 64.542 64.661 64.665 64.636 64.594 64.561 64.529 64.503 64.504 64.485 64.469 64.438 64.355 64.376 64.398 64.397 64.426 64.448 64.441 64.415 64.398 64.382 64.355 64.337 64.354 64.365 64.392 64.408 64.398 64.389 64.319 64.292 64.269 64.259 64.270 64.269 64.274 64.267 64.286 64.257 64.235 64.248 64.264 64.289 64.277 64.249 64.208 64.182 64.142 64.119 64.067 63.999 63.918 63.845 63.778 63.734 63.726 63.636 63.601 63.576 63.552 63.554 63.572 63.575 63.612 63.657 63.676 63.722 63.733
EX. ROAD LEVELS AT CROWN	64.564 64.563 64.552 64.523 64.524 64.554 64.575 64.586 64.606 64.598 64.573 64.558 64.523 64.485 64.457 64.472 64.501 64.516 64.484 64.478 64.486 64.486 64.516 64.526 64.515 64.494 64.486 64.460 64.451 64.390 64.393 64.336 64.403 64.399 64.406 64.420 64.480 64.516 64.520 64.503 64.476 64.442 64.419 64.419 64.418 64.416 64.418 64.411 64.439 64.480 64.516 64.358 64.310 64.292 64.300 64.322 64.330 64.295 64.284 64.243 64.228 64.193 64.147 64.121 64.070 64.000 63.918 63.856 63.779 63.738 63.733 63.650 63.622 63.602 63.582 63.588 63.604 63.616 63.649 63.692 63.725 63.749 63.768
LEFT TOE LEVELS	62.278 62.348 62.418 62.490 62.581 62.994 63.275 63.069 62.956 62.870 62.849 62.836 62.830 62.833 62.845 62.929 63.031 62.968 62.915 62.693 62.554 62.486 62.738 62.700 61.783 61.852 61.889 61.802 61.715 61.628 61.541 61.459 62.743 62.095 61.945 61.995 62.014 62.419 62.905 63.050 63.099 63.079 62.923 62.854 62.828 62.892 62.899 62.892 63.015 63.032 63.022 63.009 62.991 62.956 62.921 62.887 62.852 62.817 62.760 62.693 62.530 62.646 63.552 63.375 63.116 62.856 62.724 63.148 62.727 62.480 62.644 63.146 62.712 62.562 63.379 63.442 63.517 63.602 63.582 63.091 62.789 62.997 63.290 63.812 63.759
RIGHT TOE LEVELS	64.077 63.818 63.662 63.568 63.470 63.773 63.771 63.680 63.822 63.862 63.849 63.825 63.728 63.551 62.959 62.966 63.473 62.821 62.368 62.552 62.736 62.923 63.128 63.411 63.714 63.924 63.818 64.013 63.844 64.049 64.127 63.824 63.772 63.653 63.659 63.667 63.677 63.690 63.704 63.721 63.740 63.735 63.736 63.699 63.667 63.640 63.591 63.643 63.895 63.532 63.626 63.425 63.110 63.197 63.138 62.943 62.989 62.953 62.953 62.493 62.539 62.590 62.763 62.959 63.118 63.004 62.724 63.131 62.934 62.497 62.393 62.296 62.789 62.562 62.649 62.632 62.930 63.372 63.312 63.231 63.148
HORIZONTAL ALIGNMENT	L=30.000m; R=-1800.000m L=196.619m; L=30.000m; æ L=57.115m; R=6000.000m L=310.865m				
VERTICAL ALIGNMENT	2m; L=60.000m R=-37269.812m; L=282.500m G=-0.055; L=60.000m R=-56015.245m; L=87.500m G=-0.163; L=80.000m R=-33922.301m; L=81.702m G=-0.398; R=9990.068m L=70.000m; G: L=				
SUPERELEVATION				Q=2.500 Q=2.500	
CHAINAGE	285940.000 285950.000 285960.000 285970.000 285980.000 285990.000 286000.000 286010.000 286020.000 286030.000 286040.000 286050.000 286060.000 286070.000 286080.000 286090.000 286100.000 286110.000 286120.000 286130.000 286140.000 286150.000 286160.000 286170.000 286180.000 286190.000 286200.000 286210.000 286220.000 286230.000 286240.000 286250.000 286260.000 286270.000 286280.000 286290.000 286300.000 286310.000 286320.000 286330.000 286340.000 286350.000 286360.000 286370.000 286380.000 286390.000 286400.000 286410.000 286420.000 286430.000 286440.000 286450.000 286460.000 286470.000 286480.000 286490.000 286500.000 286510.000 286520.000 286530.000 286540.000 286550.000 286560.000 286570.000 286580.000 286590.000 286600.000 286610.000 286620.000 286630.000 286640.000 286650.000 286660.000 286670.000 286680.000 286690.000 286700.000 286710.000 286720.000 286730.000 286740.000					

R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	
Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 285.940 to Km.286.740*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet) HOR 10 0 20 40 VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 10

DATE : REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

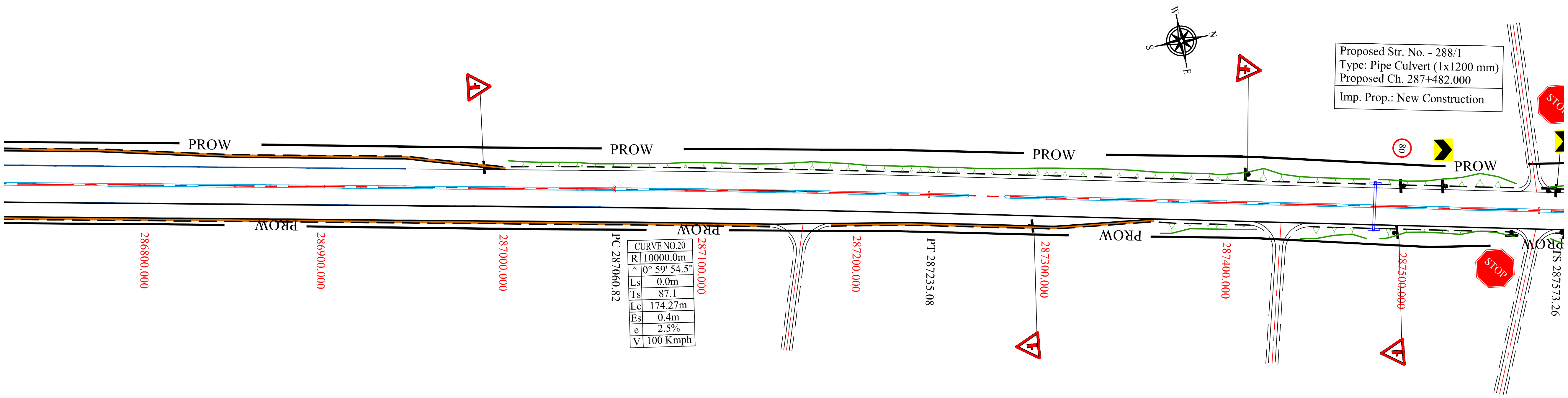
- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP ELECTRIC POLE
- TP TELEPHONE POLE
- TREE

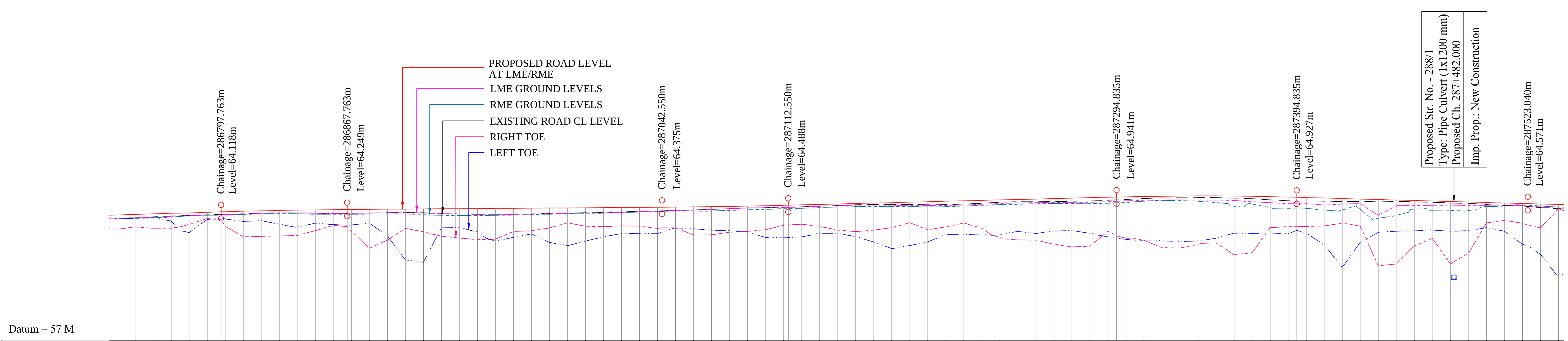
PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT





TCS TYPE: TCS TYPE III (286740–287000); TCS TYPE III; TCS TYPE IV (287000–287540); TCS TYPE IV; TCS TYPE IV

CHAINAGE	PROPOSED ROAD LEVELS AT LME/RME	LME GROUND LEVELS	RME GROUND LEVELS	EX. ROAD LEVELS AT CROWN	LEFT TOE LEVELS	RIGHT TOE LEVELS
286740.000	63.943	63.765	63.733	63.772	63.759	63.148
286750.000	63.974	63.781	63.757	63.790	63.759	63.280
286760.000	64.004	63.823	63.784	63.835	63.799	63.207
286770.000	64.034	63.868	63.832	63.881	63.612	63.212
286780.000	64.064	63.909	63.893	63.922	62.973	63.423
286790.000	64.095	63.942	63.930	63.953	63.696	63.750
286800.000	64.125	63.963	63.948	63.975	63.725	63.324
286810.000	64.153	63.992	63.974	64.009	63.585	62.732
286820.000	64.177	64.034	64.008	64.048	63.626	62.761
286830.000	64.198	64.057	64.019	64.064	63.430	62.787
286840.000	64.216	64.055	64.010	64.061	63.255	62.812
286850.000	64.231	64.037	63.989	64.041	63.492	63.076
286860.000	64.242	64.025	63.984	64.026	63.410	63.369
286870.000	64.251	64.039	63.986	64.040	63.393	63.057
286880.000	64.258	64.050	63.993	64.052	63.494	62.098
286890.000	64.265	64.066	64.001	64.066	62.793	62.550
286900.000	64.272	64.078	63.998	64.085	61.454	63.199
286910.000	64.280	64.061	63.967	64.068	61.326	63.012
286920.000	64.287	64.015	63.924	64.018	63.231	62.767
286930.000	64.294	63.998	63.918	63.999	63.252	62.667
286940.000	64.301	63.985	63.914	63.986	62.998	62.578
286950.000	64.308	63.987	63.928	63.987	62.497	62.607
286960.000	64.316	63.979	63.942	63.984	62.709	63.030
286970.000	64.323	63.991	63.963	63.997	62.895	63.071
286980.000	64.330	64.024	63.991	64.031	62.423	63.222
286990.000	64.337	64.037	64.023	64.048	62.242	63.508
287000.000	64.345	64.058	64.041	64.070	62.498	63.316
287010.000	64.352	64.068	64.049	64.081	62.730	63.300
287020.000	64.359	64.094	64.076	64.108	62.921	63.344
287030.000	64.366	64.134	64.108	64.145	62.912	63.324
287040.000	64.373	64.158	64.135	64.166	62.905	63.200
287050.000	64.381	64.198	64.168	64.205	63.237	63.227
287060.000	64.392	64.212	64.163	64.220	63.179	62.833
287070.000	64.405	64.254	64.159	64.258	63.103	62.850
287080.000	64.420	64.296	64.201	64.297	63.066	62.991
287090.000	64.438	64.330	64.230	64.330	62.990	63.037
287100.000	64.458	64.353	64.259	64.354	62.699	63.131
287110.000	64.481	64.361	64.291	64.365	62.675	63.376
287120.000	64.506	64.389	64.316	64.394	62.731	63.432
287130.000	64.531	64.429	64.352	64.434	62.929	63.311
287140.000	64.556	64.463	64.385	64.474	62.925	63.111
287150.000	64.581	64.488	64.401	64.514	62.741	63.022
287160.000	64.606	64.498	64.416	64.532	62.448	63.109
287170.000	64.630	64.484	64.410	64.516	62.081	63.247
287180.000	64.655	64.480	64.409	64.524	62.248	63.520
287190.000	64.680	64.464	64.394	64.512	62.456	63.123
287200.000	64.705	64.468	64.402	64.520	62.857	63.289
287210.000	64.730	64.498	64.442	64.549	62.848	63.500
287220.000	64.755	64.537	64.484	64.591	62.895	63.208
287230.000	64.780	64.582	64.519	64.648	62.837	62.691
287240.000	64.804	64.610	64.539	64.681	63.031	62.563
287250.000	64.829	64.628	64.566	64.680	62.920	62.550
287260.000	64.854	64.633	64.581	64.691	63.057	62.323
287270.000	64.879	64.645	64.582	64.705	63.080	62.175
287280.000	64.904	64.643	64.569	64.721	62.921	62.213
287290.000	64.929	64.682	64.596	64.758	62.734	63.052
287300.000	64.953	64.728	64.645	64.806	62.595	62.657
287310.000	64.972	64.757	64.710	64.861	62.506	62.538
287320.000	64.987	64.777	64.745	64.889	62.512	62.133
287330.000	64.996	64.778	64.739	64.895	62.471	62.108
287340.000	64.999	64.765	64.708	64.905	62.500	62.317
287350.000	64.998	64.776	64.631	64.908	62.662	62.396
287360.000	64.991	64.747	64.429	64.882	62.936	61.739
287370.000	64.979	64.680	64.551	64.844	62.921	61.856
287380.000	64.962	64.626	64.344	64.785	62.948	63.246
287390.000	64.939	64.571	64.295	64.734	62.905	63.297
287400.000	64.912	64.569	64.310	64.718	62.939	63.303
287410.000	64.884	64.500	64.215	64.712	62.296	63.338
287420.000	64.857	64.546	64.221	64.690	61.043	63.496
287430.000	64.829	64.573	64.257	64.686	62.421	63.330
287440.000	64.801	63.932	63.765	64.712	62.983	61.137
287450.000	64.774	64.456	63.925	64.699	63.047	61.223
287460.000	64.746	64.477	64.267	64.666	63.060	62.232
287470.000	64.718	64.461	64.205	64.647	63.117	62.647
287480.000	64.691	64.449	64.200	64.609	63.038	61.237
287490.000	64.663	64.476	64.185	64.593	63.082	61.819
287500.000	64.635	64.481	64.412	64.520	63.239	63.504
287510.000	64.607	64.493	64.446	64.468	63.042	63.649
287520.000	64.580	64.466	64.494	64.444	62.318	63.491
287530.000	64.553	64.391	64.443	64.353	61.767	63.233
287540.000	64.531	64.323	64.385	64.293	60.493	64.292

HORIZONTAL ALIGNMENT: æ L=487.206m; R=10000.000m L=174.266m; æ L=338.173m

VERTICAL ALIGNMENT: G=0.302 L=96.061m; L=70.000m R=-30421.072m; G=0.072 L=174.787m; R=39685.202m L=70.000m; G=0.249 L=182.285m; L=100.000m R=-19022.357m; L=128.205m G=-0.277

SUPERELEVATION

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer : STUP Consultant Pvt. Ltd in association with M/s AYOLEEZA Consultants Pvt. Ltd Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108, NH-37,Nagaon,Assam,Pin 782001

EPC Contractor : TK Engineering Consortium Pvt. Ltd Model Village, Naharlagun -791110 Papum Pare District, Arunachal Pradesh

Design Director : Er. P.V.S.R. Keerti

Proof Consultant : Alliance Engineers and Consultants 1st floor , TKD Aloy Opp SBI Chandmari MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 286.740 to Km.287.540*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet) HOR 10 0 20 40 VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 11

DATE :

REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

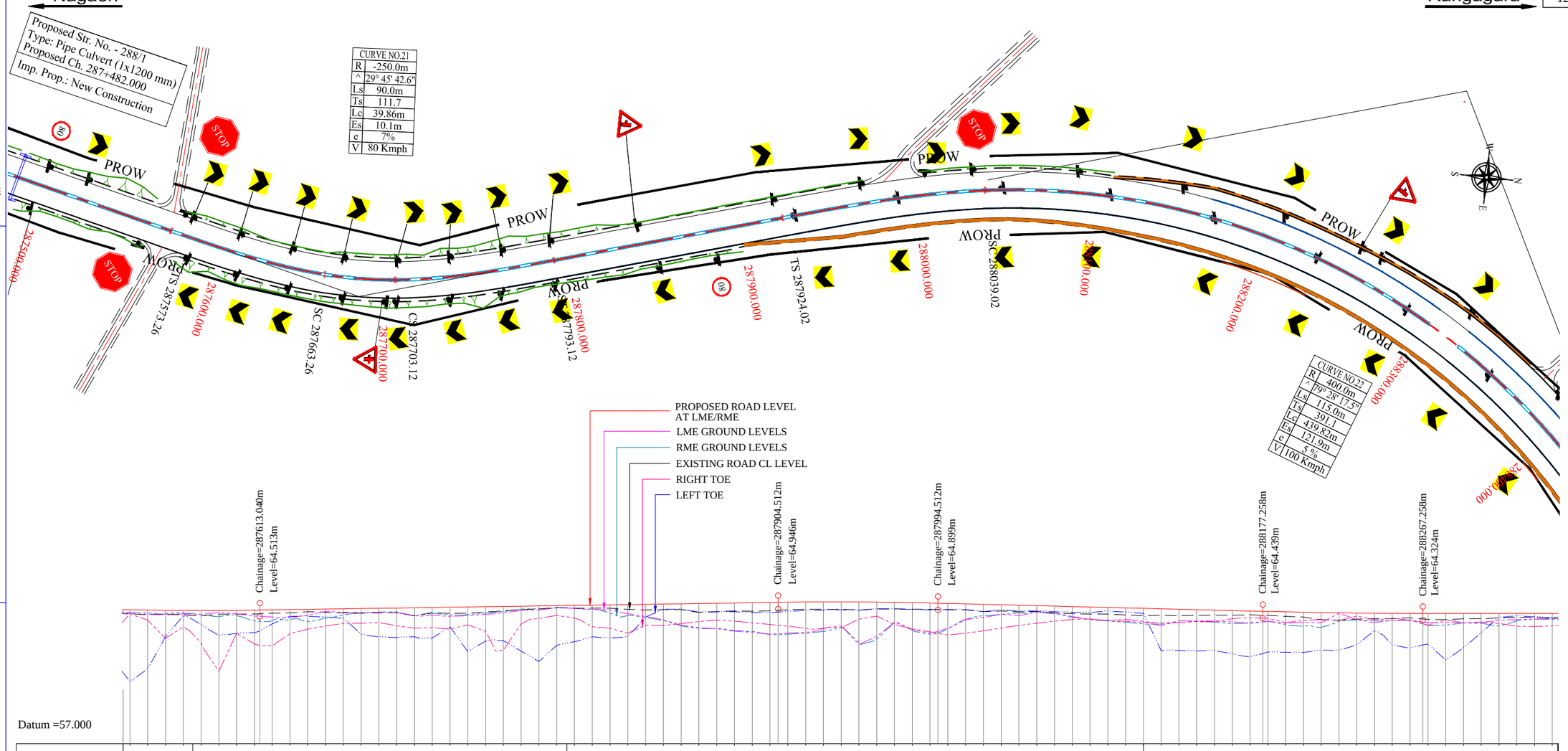
- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT

Nagaon → Rangagara

Proposed Str. No. - 288/1
Type: Pipe Culvert (1x1200 mm)
Proposed Ch. 287+482.000
Imp. Prop.: New Construction

CURVE NO.21	
R	-250.0m
^	29° 45' 42.6"
Ls	90.0m
Ts	111.7
Lc	39.86m
Es	10.1m
e	7%
V	80 Kmph

CURVE NO.22	
R	400.0m
^	79° 28' 17.5"
Ls	115.0m
Ts	391.1
Lc	439.82m
Es	121.9m
e	5 %
V	100 Kmph



Datum =57.000

TCS TYPE		TCS TYPE IX		TCS TYPE IX		TCS TYPE IV		TCS TYPE IV		TCS TYPE VIII		TCS TYPE VIII	
PROPOSED ROAD LEVELS AT LME/RME	64.531	64.514	64.501	64.490	64.492	64.498	64.509	64.524	64.538	64.553	64.568	64.583	64.598
LME GROUND LEVELS	64.323	64.279	64.283	64.300	64.267	64.376	64.307	64.174	64.116	64.093	64.226	64.432	64.388
RME GROUND LEVELS	64.385	64.350	64.303	64.349	64.261	64.149	64.198	64.290	64.337	64.352	64.418	64.392	64.355
EX. ROAD LEVELS AT CROWN	64.293	64.255	64.261	64.249	64.185	64.280	64.281	64.290	64.337	64.352	64.418	64.392	64.355
LEFT TOE LEVELS	60.493	61.211	63.023	64.194	63.708	64.084	64.195	63.242	63.738	64.160	64.171	64.112	64.050
RIGHT TOE LEVELS	64.292	63.940	62.930	63.570	62.677	61.074	63.217	62.607	62.501	63.185	63.445	63.620	63.763
HORIZONTAL ALIGNMENT			L=90.000m				R=-250.000m L=39.861m		L=90.000m			æ L=130.905m	
VERTICAL ALIGNMENT		R=21156.117m L=90.000m				G=0.148 L=291.472m							
SUPERELEVATION			Q=7.000										
CHAINAGE	287540.000	287550.000	287560.000	287570.000	287580.000	287590.000	287600.000	287610.000	287620.000	287630.000	287640.000	287650.000	287660.000

TCS TYPE		TCS TYPE IV		TCS TYPE IV		TCS TYPE VIII		TCS TYPE VIII	
PROPOSED ROAD LEVELS AT LME/RME	64.776	64.791	64.805	64.820	64.835	64.850	64.865	64.880	64.894	64.909	64.924	64.939	64.953
LME GROUND LEVELS	64.611	64.549	64.510	64.307	64.155	63.962	63.663	63.517	63.465	63.326	63.259	63.152	63.225
RME GROUND LEVELS	64.604	64.554	64.329	64.204	64.098	63.922	63.629	63.495	63.484	63.361	63.310	63.145	63.160
EX. ROAD LEVELS AT CROWN	64.617	64.623	64.616	64.554	64.518	64.537	64.541	64.377	64.424	64.462	64.443	64.472	64.534
LEFT TOE LEVELS	64.736	63.009	62.934	63.011	64.120	64.564	64.556	64.396	64.415	64.409	64.375	64.365	64.440
RIGHT TOE LEVELS	64.063	63.574	62.493	63.209	63.668	63.647	63.754	63.861	63.958	63.888	63.794	63.700	63.606
HORIZONTAL ALIGNMENT													
VERTICAL ALIGNMENT													
SUPERELEVATION													
CHAINAGE	287790.000	287800.000	287810.000	287820.000	287830.000	287840.000	287850.000	287860.000	287870.000	287880.000	287890.000	287900.000	287910.000

TCS TYPE		TCS TYPE IV		TCS TYPE VIII		TCS TYPE VIII	
PROPOSED ROAD LEVELS AT LME/RME	64.968	64.983	64.997	65.012	65.027	65.042	65.056	65.071	65.086	65.101	65.115	65.130	65.145
LME GROUND LEVELS	63.796	63.796	63.796	63.796	63.796	63.796	63.796	63.796	63.796	63.796	63.796	63.796	63.796
RME GROUND LEVELS	63.968	63.968	63.968	63.968	63.968	63.968	63.968	63.968	63.968	63.968	63.968	63.968	63.968
EX. ROAD LEVELS AT CROWN	64.072	64.072	64.072	64.072	64.072	64.072	64.072	64.072	64.072	64.072	64.072	64.072	64.072
LEFT TOE LEVELS	64.057	64.057	64.057	64.057	64.057	64.057	64.057	64.057	64.057	64.057	64.057	64.057	64.057
RIGHT TOE LEVELS	64.634	64.634	64.634	64.634	64.634	64.634	64.634	64.634	64.634	64.634	64.634	64.634	64.634
HORIZONTAL ALIGNMENT													R=400.000m L=439.816m
VERTICAL ALIGNMENT													
SUPERELEVATION													Q=5.000
CHAINAGE	287940.000	287950.000	287960.000	287970.000	287980.000	287990.000	288000.000	288010.000	288020.000	288030.000	288040.000	288050.000	288060.000

TCS TYPE		TCS TYPE VIII		TCS TYPE VIII		TCS TYPE VIII		TCS TYPE VIII	
PROPOSED ROAD LEVELS AT LME/RME	65.160	65.175	65.190	65.204	65.219	65.234	65.249	65.263	65.278	65.293
LME GROUND LEVELS	63.796	63.796	63.796	63.796	63.796	63.796	63.796	63.796	63.796	63.796
RME GROUND LEVELS	63.968	63.968	63.968	63.968	63.968	63.968	63.968	63.968	63.968	63.968
EX. ROAD LEVELS AT CROWN	64.072	64.072	64.072	64.072	64.072	64.072	64.072	64.072	64.072	64.072
LEFT TOE LEVELS	64.057	64.057	64.057	64.057	64.057	64.057	64.057	64.057	64.057	64.057
RIGHT TOE LEVELS	64.634	64.634	64.634	64.634	64.634	64.634	64.634	64.634	64.634	64.634
HORIZONTAL ALIGNMENT										
VERTICAL ALIGNMENT										
SUPERELEVATION										
CHAINAGE	288070.000	288080.000	288090.000	288100.000	288110.000	288120.000	288130.000	288140.000	288150.000	288160.000

TCS TYPE		TCS TYPE VIII		TCS TYPE VIII		TCS TYPE VIII		TCS TYPE VIII	
PROPOSED ROAD LEVELS AT LME/RME	65.308	65.322	65.337	65.352	65.366	65.381	65.396	65.410	65.425	65.440
LME GROUND LEVELS	63.796	63.796	63.796	63.796	63.796	63.796	63.796	63.796	63.796	63.796
RME GROUND LEVELS	63.968	63.968	63.968	63.968	63.968	63.968	63.968	63.968	63.968	63.968
EX. ROAD LEVELS AT CROWN	64.072	64.072	64.072	64.072	64.072	64.072	64.072	64.072	64.072	64.072
LEFT TOE LEVELS	64.057	64.057	64.057	64.057	64.057	64.057	64.057	64.057	64.057	64.057
RIGHT TOE LEVELS	64.634	64.634	64.634	64.634	64.634	64.634	64.634	64.634	64.634	64.634
HORIZONTAL ALIGNMENT										
VERTICAL ALIGNMENT										
SUPERELEVATION										
CHAINAGE	288170.000	288180.000	288190.000	288200.000	288210.000	288220.000	288230.000	288240.000	288250.000	288260.000

TCS TYPE		TCS TYPE VIII		TCS TYPE VIII		TCS TYPE VIII		TCS TYPE VIII	
PROPOSED ROAD LEVELS AT LME/RME	65.455	65.469	65.484	65.499	65.513	65.528	65.543	65.557	65.572	65.587
LME GROUND LEVELS	63.796	63.796	63.796	63.796	63.796	63.796	63.796	63.796	63.796	63.796
RME GROUND LEVELS	63.968	63.968	63.968	63.968	63.968	63.968	63.968	63.968	63.968	63.968
EX. ROAD LEVELS AT CROWN	64.072	64.072	64.072	64.072	64.072	64.072	64.072	64.072	64.072	64.072
LEFT TOE LEVELS	64.057	64.057	64.057	64.057	64.057	64.057	64.057	64.057	64.057	64.057
RIGHT TOE LEVELS	64.634	64.634	64.634	64.634	64.634	64.634	64.634	64.634	64.634	64.634
HORIZONTAL ALIGNMENT										
VERTICAL ALIGNMENT										
SUPERELEVATION										
CHAINAGE	288270.000	288280.000	288290.000	288300.000	288310.000	288320.000	288330.000	288340.000		

Rev No	DATE	DESCRIPTION	S.D.	N.K.	J.K.S.	
			DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION				

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 287.540 to Km.288.340*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)

HOR 10 0 20 40
VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 12

DATE : REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

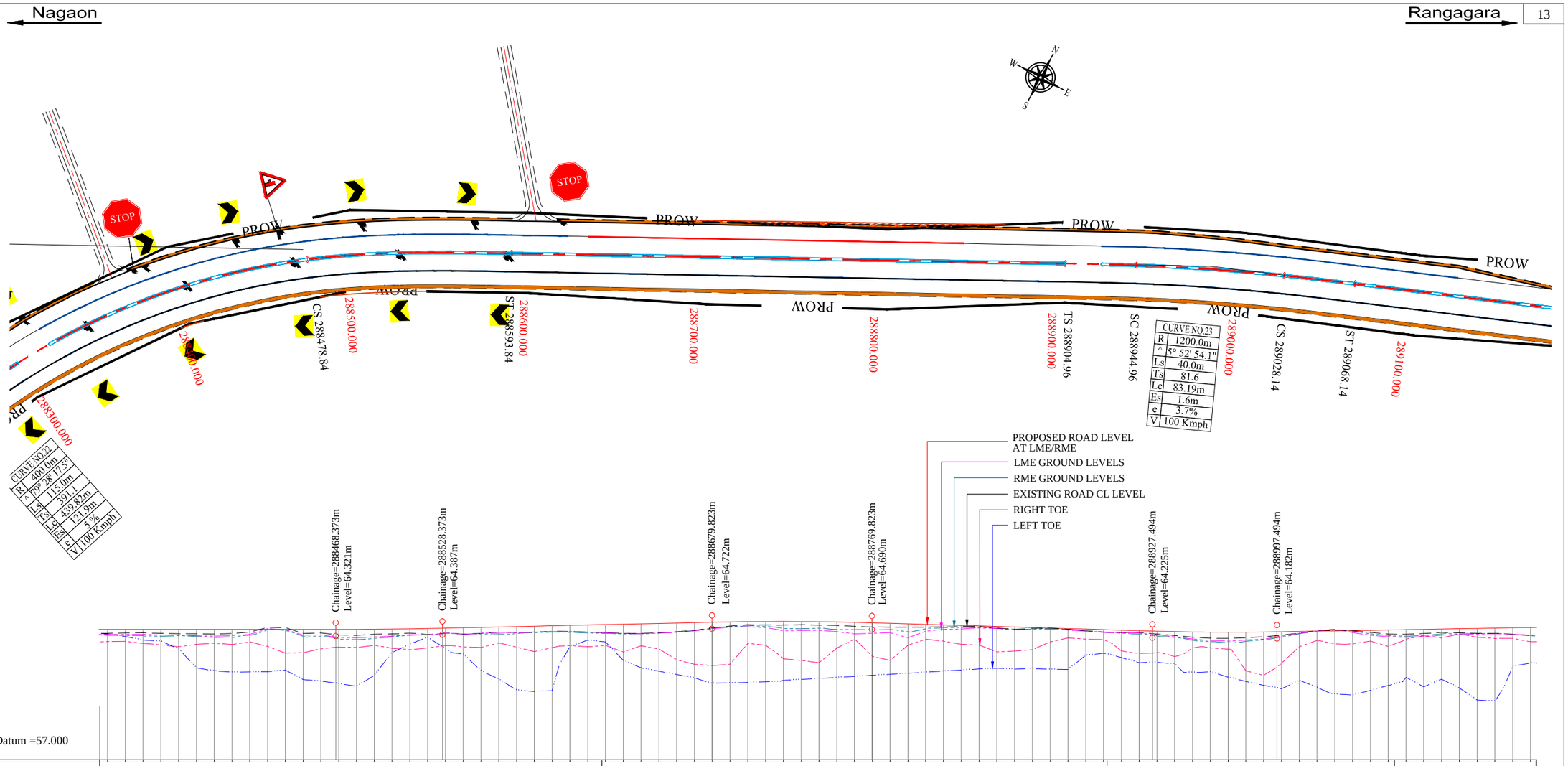
- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT



Datum =57.000

TCS TYPE	TCS TYPE VIII	TCS TYPE VII	TCS TYPE VII	TCS TYPE VIII	TCS TYPE III
HORIZONTAL ALIGNMENT	L=115.000m		L=311.117m	L=40.000m R=1200.000m L=83.186m	L=40.000m
VERTICAL ALIGNMENT	L=201.115m G=-0.002 R=26829.956m L=60.000m G=0.222 L=151.450m		L=90.000m R=-17430.841m L=157.671m G=-0.295	R=15045.973m L=70.000m	G=0.171 L=176.882m
SUPERELEVATION	Q=2.500	Q=2.500		Q=3.700	Q=3.700

CHAINAGE	PROPOSED ROAD LEVELS AT LME/RME	LME GROUND LEVELS	RME GROUND LEVELS	EX. ROAD LEVELS AT CROWN	LEFT TOE LEVELS	RIGHT TOE LEVELS
288340.000	64.323	64.040	63.988	64.099	64.057	63.634
288350.000	64.323	64.038	63.978	64.119	63.920	63.645
288360.000	64.323	64.037	63.964	64.126	63.719	63.537
288370.000	64.322	64.004	63.934	64.097	63.661	63.450
288380.000	64.322	64.007	63.962	64.079	63.228	63.343
288390.000	64.322	63.960	63.926	64.077	62.163	63.482
288400.000	64.322	63.937	63.874	64.060	61.993	63.544
288410.000	64.322	63.968	63.880	64.089	61.919	63.466
288420.000	64.321	64.033	63.992	64.164	61.931	63.622
288430.000	64.321	64.359	64.301	64.432	61.941	63.362
288440.000	64.321	64.314	64.250	64.414	62.032	62.993
288450.000	64.321	63.996	63.935	64.092	61.505	63.010
288460.000	64.321	64.000	63.924	64.119	61.409	63.233
288470.000	64.321	63.864	63.797	64.003	61.277	63.324
288480.000	64.323	63.844	63.752	63.985	61.124	63.298
288490.000	64.329	63.896	63.816	64.045	61.736	63.430
288500.000	64.339	63.939	63.902	64.065	63.032	63.262
288510.000	64.352	64.024	63.984	64.108	63.493	63.176
288520.000	64.369	64.007	64.009	64.027	63.859	63.285
288530.000	64.390	64.103	64.092	64.105	64.210	63.404
288540.000	64.412	64.043	64.052	64.046	62.930	63.331
288550.000	64.434	64.101	64.063	64.098	62.002	63.307
288560.000	64.457	64.152	64.068	64.161	61.532	63.560
288570.000	64.479	64.128	64.090	64.146	60.911	63.323
288580.000	64.501	64.169	64.137	64.172	60.832	63.076
288590.000	64.523	64.201	64.159	64.203	60.877	63.294
288600.000	64.545	64.207	64.152	64.208	63.357	63.417
288610.000	64.568	64.167	64.122	64.169	63.720	63.340
288620.000	64.590	64.131	64.100	64.134	63.617	63.417
288630.000	64.612	64.093	64.062	64.094	62.579	63.050
288640.000	64.634	64.082	64.075	64.097	62.158	63.400
288650.000	64.656	64.105	64.117	64.128	61.968	63.218
288660.000	64.678	64.156	64.181	64.182	61.783	62.613
288670.000	64.701	64.230	64.261	64.267	61.597	62.360
288680.000	64.723	64.383	64.406	64.406	61.300	62.284
288690.000	64.742	64.483	64.511	64.511	61.313	62.361
288700.000	64.755	64.468	64.516	64.578	61.344	62.534
288710.000	64.763	64.421	64.486	64.566	61.376	62.427
288720.000	64.765	64.248	64.384	64.565	61.457	62.669
288730.000	64.761	64.252	64.355	64.582	61.511	62.575
288740.000	64.752	64.267	64.379	64.564	61.566	62.442
288750.000	64.737	64.191	64.320	64.536	61.622	63.268
288760.000	64.716	64.072	64.308	64.494	61.680	63.780
288770.000	64.689	64.104	64.299	64.451	61.739	62.803
288780.000	64.660	64.136	64.309	64.447	61.798	62.582
288790.000	64.630	63.846	64.186	64.442	61.858	63.424
288800.000	64.601	64.221	64.346	64.445	61.918	63.770
288810.000	64.571	64.321	64.412	64.468	61.977	63.655
288820.000	64.542	64.337	64.433	64.483	62.037	63.485
288830.000	64.512	64.403	64.434	64.486	62.096	63.437
288840.000	64.483	64.368	64.379	64.398	62.139	63.061
288850.000	64.453	64.281	64.327	64.329	62.087	63.100
288860.000	64.424	64.304	64.340	64.373	62.120	63.181
288870.000	64.394	64.330	64.371	64.399	62.074	63.617
288880.000	64.365	64.281	64.313	64.330	62.072	63.836
288890.000	64.336	64.211	64.236	64.238	62.868	63.771
288900.000	64.306	64.151	64.110	64.127	64.169	62.974
288910.000	64.277	64.247	64.059	64.133	64.160	63.753
288920.000	64.247	64.218	64.016	64.060	64.141	63.111
288930.000	64.218	64.193	63.952	63.978	64.449	62.961
288940.000	64.193	64.176	63.869	63.912	64.471	63.026
288950.000	64.176	64.164	63.713	63.780	64.384	62.794
288960.000	64.164	64.160	63.696	63.634	63.912	63.276
288970.000	64.160	64.162	63.662	63.572	63.946	63.286
288980.000	64.162	64.171	63.726	63.647	63.854	63.204
288990.000	64.171	63.778	63.738	63.900	63.738	61.990
289000.000	64.186	63.939	63.884	64.001	63.742	61.742
289010.000	64.203	64.097	64.063	64.112	64.423	62.423
289020.000	64.220	64.226	64.219	64.242	64.062	63.341
289030.000	64.237	64.324	64.290	64.279	64.247	63.701
289040.000	64.254	64.140	64.211	64.247	64.254	63.501
289050.000	64.271	63.991	64.070	64.151	64.271	63.509
289060.000	64.288	63.909	63.979	64.058	64.288	63.664
289070.000	64.305	64.048	63.946	64.083	63.980	63.775
289080.000	64.323	63.898	63.980	64.098	63.898	63.961
289090.000	64.340	63.993	63.898	64.067	63.993	63.841
289100.000	64.357	64.029	64.067	64.150	64.029	64.056
289110.000	64.374	64.049	64.074	64.080	64.134	64.035
289120.000	64.391	64.076	64.093	64.094	64.098	63.876
289130.000	64.408	64.038	64.030	64.044	64.351	63.809
289140.000	64.425	63.991	63.963	63.991	64.294	63.818
					64.242	63.623
					64.435	

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	

Client :
NHIDCL
BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile
From:- *Km. 288.340 to Km.289.140*
Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)
HOR 10 0 20 40
VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 13
DATE :
REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

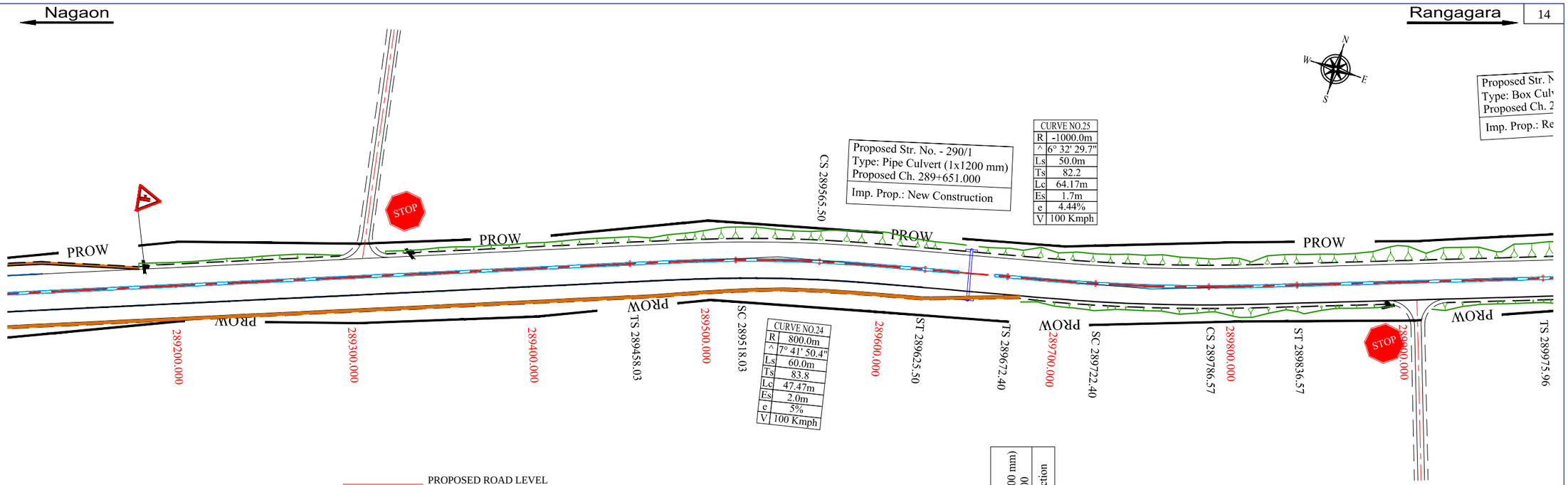
- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

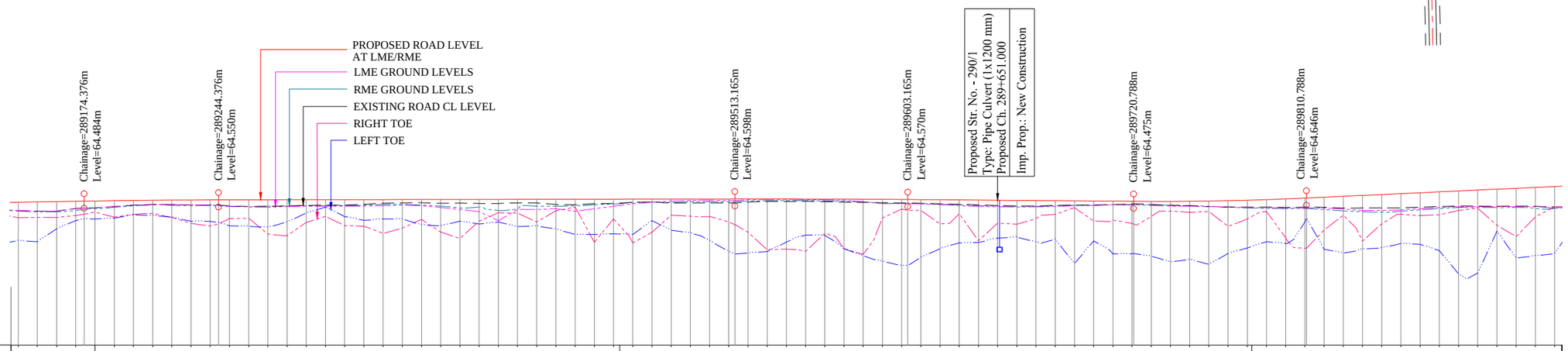
PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT





Datum =57.000

TCS TYPE	III	TCS TYPE IV	TCS TYPE IV	TCS TYPE IX	TCS TYPE IX	TCS TYPE IV
HORIZONTAL ALIGNMENT	∝ L=389.888m			∝ L=60.000m	R=800.000m L=47.475m	L=60.000m
	∝ L=46.895m	L=50.000m	R=-1000.000m L=64.172m	L=50.000m	∝ L=139.392m	
VERTICAL ALIGNMENT	L=70.000m R=-45830.794m	G=0.018 L=268.789m		L=90.000m R=-91292.036m	L=117.623m G=-0.081	R=16590.724m L=90.000m
	G=0.462 L=142.063m					
SUPERELEVATION	Q=2.500	Q=2.500	Q=5.000	Q=5.000	Q=2.500	Q=2.500
	Q=4.440	Q=4.440	Q=2.500	Q=2.500		

CHAINAGE	PROPOSED ROAD LEVELS AT LME/RME	LME GROUND LEVELS	RME GROUND LEVELS	EX. ROAD LEVELS AT CROWN	LEFT TOE LEVELS	RIGHT TOE LEVELS
289140.000	64.425	63.991	63.963	63.991	62.435	63.623
289150.000	64.442	63.961	63.927	63.961	62.371	63.636
289160.000	64.459	63.962	63.930	63.964	62.047	63.632
289170.000	64.476	64.102	64.004	64.103	63.478	63.735
289180.000	64.493	64.136	64.099	64.137	63.553	63.912
289190.000	64.508	64.203	64.158	64.204	63.602	63.648
289200.000	64.520	64.281	64.244	64.283	63.764	63.802
289210.000	64.531	64.308	64.298	64.314	63.744	63.849
289220.000	64.539	64.307	64.272	64.304	63.638	63.638
289230.000	64.545	64.284	64.249	64.287	63.441	63.326
289240.000	64.549	64.287	64.252	64.290	63.434	63.192
289250.000	64.551	64.226	64.204	64.237	63.204	63.573
289260.000	64.552	64.185	64.188	64.202	63.172	63.596
289270.000	64.554	64.162	64.215	64.216	63.126	62.769
289280.000	64.556	64.202	64.230	64.238	63.398	62.681
289290.000	64.558	64.214	64.239	64.257	63.870	63.382
289300.000	64.560	64.213	64.247	64.283	64.173	63.687
289310.000	64.561	64.224	64.252	64.275	63.686	63.207
289320.000	64.563	64.230	64.272	64.320	63.481	63.182
289330.000	64.565	64.252	64.318	64.375	63.559	62.805
289340.000	64.567	64.279	64.320	64.398	63.552	63.084
289350.000	64.569	64.244	64.400	64.278	64.244	63.531
289360.000	64.570	64.154	64.370	64.223	63.195	62.877
289370.000	64.572	64.047	64.379	64.134	63.442	62.545
289380.000	64.574	63.942	64.365	64.173	63.291	63.437
289390.000	64.576	63.465	64.360	64.001	63.397	63.876
289400.000	64.577	64.046	64.391	64.066	63.153	63.862
289410.000	64.579	64.048	64.389	64.231	63.198	63.402
289420.000	64.581	64.093	64.305	64.218	63.028	63.981
289430.000	64.583	63.957	64.297	64.246	62.755	64.176
289440.000	64.585	64.093	64.348	64.290	62.746	62.346
289450.000	64.586	64.213	64.367	64.334	62.787	63.556
289460.000	64.588	64.355	64.429	64.402	62.751	62.306
289470.000	64.590	64.424	64.434	64.436	63.471	62.861
289480.000	64.592	64.483	64.387	64.422	62.975	63.754
289490.000	64.594	64.519	64.390	64.459	62.829	63.700
289500.000	64.595	64.530	64.391	64.461	62.428	63.687
289510.000	64.597	64.513	64.392	64.452	61.873	64.403
289520.000	64.599	64.548	64.438	64.484	61.784	62.865
289530.000	64.599	64.561	64.463	64.504	61.966	61.864
289540.000	64.599	64.568	64.465	64.508	61.991	62.746
289550.000	64.597	64.559	64.473	64.510	61.873	62.715
289560.000	64.594	64.543	64.494	64.543	62.812	62.712
289570.000	64.590	64.533	64.482	64.533	62.018	62.003
289580.000	64.585	64.458	64.434	64.424	61.713	61.640
289590.000	64.579	64.354	64.369	64.403	61.609	61.356
289600.000	64.572	64.354	64.374	64.389	64.071	61.123
289610.000	64.564	64.345	64.357	64.371	64.002	61.562
289620.000	64.556	64.318	64.342	64.371	63.299	62.009
289630.000	64.548	64.295	64.320	64.284	63.835	62.313
289640.000	64.540	64.251	64.257	64.226	62.426	62.336
289650.000	64.532	64.226	64.239	64.208	63.338	62.561
289660.000	64.524	64.186	64.237	64.211	63.286	62.612
289670.000	64.516	64.171	64.261	64.237	63.573	62.360
289680.000	64.508	64.180	64.277	64.266	63.793	62.496
289690.000	64.499	64.206	64.251	64.272	64.147	61.235
289700.000	64.491	64.254	64.285	64.304	63.451	62.414
289710.000	64.483	64.292	64.300	64.300	63.500	61.740
289720.000	64.475	64.280	64.317	64.334	63.326	61.749
289730.000	64.470	64.262	64.302	64.308	63.691	61.611
289740.000	64.470	64.227	64.274	64.269	63.963	61.314
289750.000	64.477	64.218	64.253	64.241	63.900	61.454
289760.000	64.489	64.193	64.213	64.198	63.946	61.196
289770.000	64.508	64.178	64.166	64.181	63.169	61.764
289780.000	64.533	64.156	64.128	64.173	63.553	62.048
289790.000	64.563	64.140	64.110	64.173	63.940	62.371
289800.000	64.600	64.135	64.091	64.158	62.572	62.281
289810.000	64.643	64.131	64.106	64.169	62.035	63.401
289820.000	64.689	64.125	64.048	64.166	62.977	61.979
289830.000	64.735	64.077	63.979	64.123	63.761	61.782
289840.000	64.781	63.993	63.933	64.129	62.408	61.998
289850.000	64.827	63.992	63.909	64.135	62.305	62.051
289860.000	64.873	64.030	63.956	64.129	62.803	62.287
289870.000	64.920	64.088	64.032	64.162	63.729	62.233
289880.000	64.966	64.149	64.098	64.206	63.776	61.910
289890.000	65.012	64.195	64.152	64.232	63.991	60.698
289900.000	65.058	64.192	64.155	64.222	64.112	60.742
289910.000	65.104	64.196	64.149	64.225	63.229	62.925
289920.000	65.151	64.200	64.156	64.226	62.635	61.521
289930.000	65.197	64.190	64.105	64.218	63.668	61.640
289940.000	65.243	64.133	64.106	64.183	64.187	61.747

Rev No	DATE	DESCRIPTION	S.D.	N.K	J.K.S.	
			DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION				

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 289.140 to Km.289.940*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)

HOR 10 0 20 40

VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 14

DATE : REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

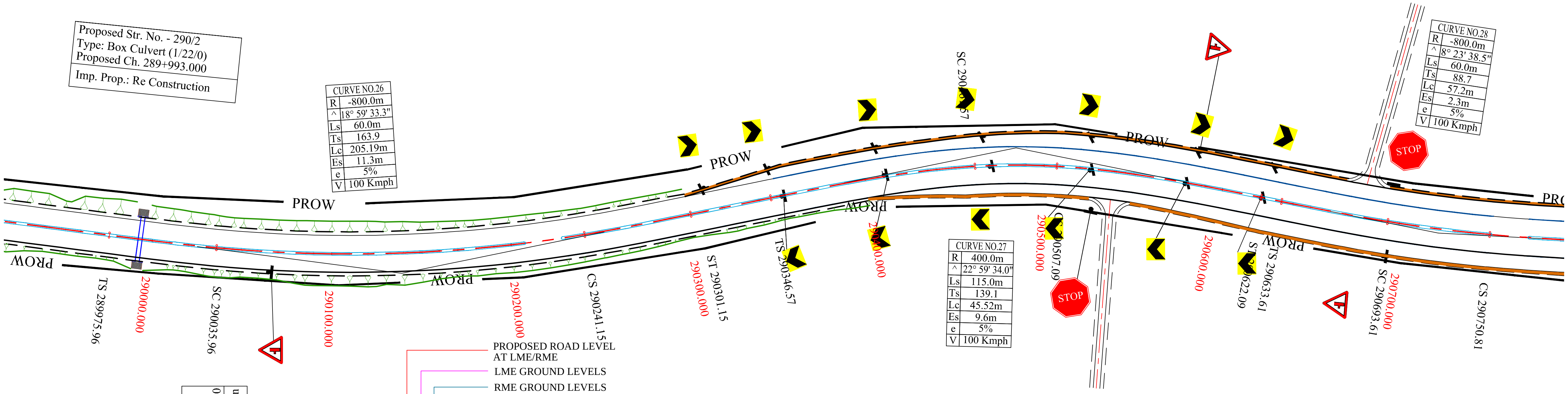
- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

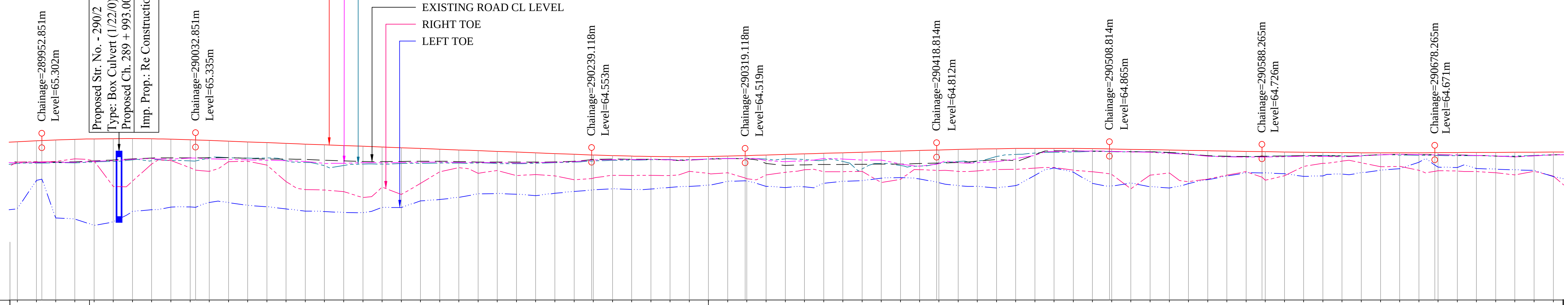
PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT





Datum =57.000

TCS TYPE: TCS TYPE IX | TCS TYPE IX | TCS TYPE IX | TCS TYPE VIII | TCS TYPE VIII

CHAINAGE	PROPOSED ROAD LEVELS AT LME/RME	LME GROUND LEVELS	RME GROUND LEVELS	EX. ROAD LEVELS AT CROWN	LEFT TOE LEVELS	RIGHT TOE LEVELS
289940.000	65.243	64.133	64.106	64.183	61.747	64.187
289950.000	65.289	64.160	64.128	64.178	63.228	64.201
289960.000	65.333	64.168	64.151	64.179	61.270	64.217
289970.000	65.366	64.172	64.145	64.193	61.221	64.355
289980.000	65.389	64.221	64.194	64.244	60.882	64.244
289990.000	65.401	64.251	64.216	64.292	61.067	62.911
290000.000	65.403	64.331	64.303	64.352	61.611	63.193
290010.000	65.394	64.368	64.261	64.394	61.705	64.074
290020.000	65.375	64.339	64.268	64.404	61.843	64.265
290030.000	65.346	64.387	64.245	64.402	61.854	63.889
290040.000	65.308	64.350	64.391	64.413	62.083	63.704
290050.000	65.270	64.325	64.414	64.407	62.075	64.201
290060.000	65.232	64.301	64.390	64.379	61.923	64.223
290070.000	65.194	64.278	64.398	64.339	61.855	64.026
290080.000	65.156	64.254	64.259	64.336	61.741	63.166
290090.000	65.118	64.218	64.167	64.319	61.630	62.750
290100.000	65.080	64.112	63.989	64.280	61.612	62.728
290110.000	65.043	64.120	64.005	64.249	61.553	62.647
290120.000	65.005	64.149	64.078	64.214	61.543	62.333
290130.000	64.967	64.144	64.080	64.203	61.821	62.881
290140.000	64.929	64.162	64.109	64.215	61.817	62.495
290150.000	64.891	64.169	64.121	64.227	62.161	63.069
290160.000	64.853	64.179	64.133	64.227	62.232	63.679
290170.000	64.815	64.161	64.127	64.208	62.347	63.894
290180.000	64.777	64.163	64.134	64.183	62.528	63.600
290190.000	64.739	64.150	64.110	64.185	62.544	63.745
290200.000	64.701	64.133	64.097	64.183	62.509	63.479
290210.000	64.663	64.153	64.121	64.180	62.435	63.535
290220.000	64.625	64.170	64.150	64.193	62.556	63.463
290230.000	64.587	64.206	64.185	64.226	62.653	63.265
290240.000	64.549	64.293	64.242	64.315	62.732	63.342
290250.000	64.516	64.310	64.272	64.345	62.786	63.497
290260.000	64.492	64.317	64.293	64.330	62.761	63.483
290270.000	64.476	64.325	64.303	64.335	62.778	63.497
290280.000	64.468	64.296	64.317	64.288	62.859	63.478
290290.000	64.469	64.288	64.312	64.279	62.912	63.699
290300.000	64.478	64.339	64.348	64.335	62.976	63.599
290310.000	64.495	64.363	64.373	64.357	63.181	63.623
290320.000	64.521	64.363	64.373	64.355	63.194	63.312
290330.000	64.551	64.266	64.335	64.112	62.919	63.512
290340.000	64.580	64.201	64.349	64.006	62.854	63.648
290350.000	64.609	64.246	64.313	64.038	62.891	63.786
290360.000	64.639	64.372	64.288	64.057	63.078	63.680
290370.000	64.668	64.342	64.216	64.059	63.179	63.685
290380.000	64.698	64.285	63.825	64.070	63.210	63.697
290390.000	64.727	64.284	64.109	64.077	63.348	63.116
290400.000	64.757	64.079	64.007	64.077	63.378	63.285
290410.000	64.786	63.973	63.975	64.109	63.307	63.789
290420.000	64.815	64.114	64.105	64.133	63.109	63.746
290430.000	64.841	64.157	64.211	64.160	62.956	63.698
290440.000	64.862	64.156	64.229	64.237	62.919	63.726
290450.000	64.878	64.206	64.477	64.311	62.830	63.795
290460.000	64.889	64.338	64.580	64.261	62.961	63.807
290470.000	64.894	64.529	64.654	64.568	63.496	63.868
290480.000	64.894	64.738	64.696	64.770	63.875	63.903
290490.000	64.889	64.751	64.712	64.765	63.654	63.761
290500.000	64.879	64.761	64.736	64.758	63.078	63.676
290510.000	64.863	64.740	64.728	64.734	62.932	63.543
290520.000	64.845	64.708	64.722	64.721	63.091	62.794
290530.000	64.828	64.694	64.715	64.718	62.897	63.501
290540.000	64.810	64.634	64.672	64.687	62.836	63.613
290550.000	64.793	64.591	64.595	64.597	63.066	63.163
290560.000	64.775	64.489	64.510	64.521	63.277	63.298
290570.000	64.758	64.450	64.474	64.485	63.456	63.500
290580.000	64.740	64.437	64.466	64.475	63.625	63.686
290590.000	64.723	64.446	64.481	64.487	63.616	63.237
290600.000	64.707	64.461	64.499	64.500	63.576	63.471
290610.000	64.693	64.491	64.512	64.515	63.435	63.958
290620.000	64.683	64.471	64.525	64.508	63.459	64.121
290630.000	64.675	64.468	64.507	64.491	63.558	64.234
290640.000	64.669	64.498	64.519	64.515	63.623	64.146
290650.000	64.666	64.563	64.556	64.566	63.754	63.943
290660.000	64.665	64.579	64.551	64.583	63.832	63.963
290670.000	64.667	64.569	64.543	64.571	64.176	63.750
290680.000	64.672	64.554	64.524	64.566	63.916	63.736
290690.000	64.677	64.547	64.513	64.553	63.896	63.719
290700.000	64.683	64.528	64.514	64.524	63.846	63.691
290710.000	64.688	64.505	64.492	64.501	63.810	63.625
290720.000	64.694	64.451	64.500	64.453	63.776	63.516
290730.000	64.699	64.508	64.529	64.508	63.748	63.707
290740.000	64.705	64.557	64.555	64.563	63.428	63.451

HORIZONTAL ALIGNMENT: L=60.000m | R=-800.000m L=205.186m | L=60.000m | æ L=45.420m | L=115.000m | R=400.000m L=45.520m | L=115.000m | æ L | L=60.000m | R=-800.000m L=57.203m

VERTICAL ALIGNMENT: L=80.000m R=-9510.649m | L=206.267m G=-0.379 | R=11879.216m L=80.000m | G=0.294 L=99.696m | L=90.000m R=-19158.276m | L=79.452m G=-0.176 | R=39081.376m L=90.000m | G=0 L=12

SUPERELEVATION: Q=5.000 / Q=5.000 | Q=2.500 | Q=2.500 | Q=5.000 / Q=5.000 | Q=2.500 | Q=2.500 | Q=5.000 / Q=5.000

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer : STUP Consultant Pvt. Ltd in association with M/s AYOLEEZA Consultants Pvt. Ltd Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108, NH-37,Nagaon,Assam,Pin 782001

EPC Contractor : TK Engineering Consortium Pvt. Ltd Model Village, Naharlagun -791110 Papum Pare District, Arunachal Pradesh

Design Director : Er. P.V.S.R. Keerti

Proof Consultant : Alliance Engineers and Consultants 1st floor , TKD Aloy Opp SBI Chandmari MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 289.940 to Km.290.740*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)

HOR 10 0 20 40
VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 15

DATE :

REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

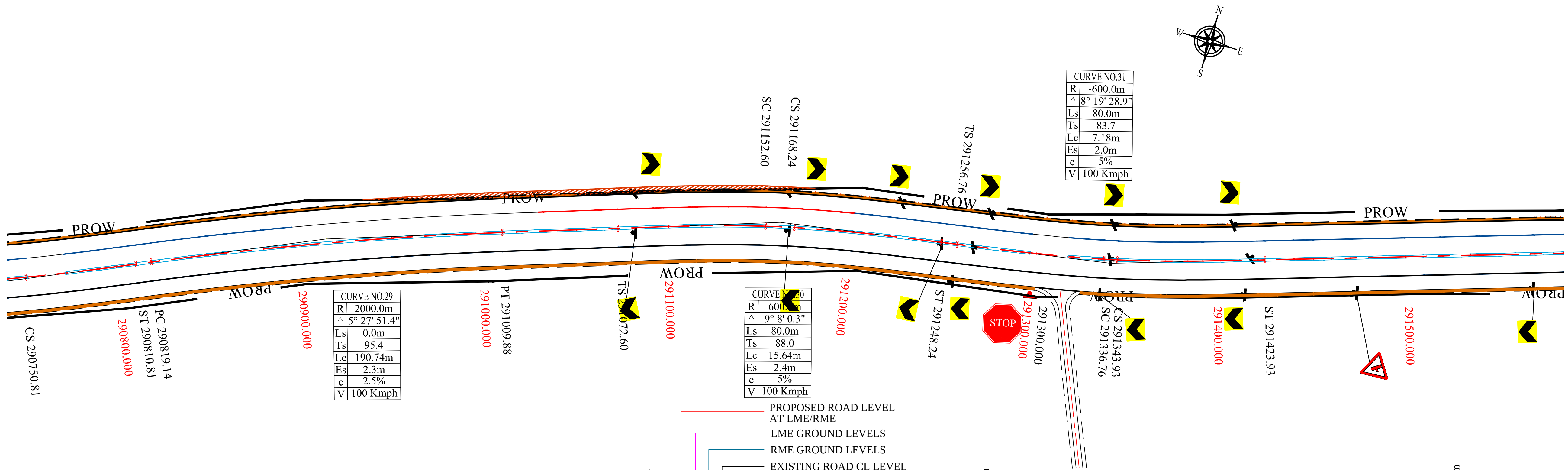
PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT

Nagaon ← → Rangagara



Datum =57.000

TCS TYPE: TCS TYPE VIII (290740–290890); TCS TYPE VII; TCS TYPE VII; TCS TYPE IV; TCS TYPE VII; TCS TYPE VII

CHAINAGE	PROPOSED ROAD LEVELS AT LME/RME	LME GROUND LEVELS	RME GROUND LEVELS	EX. ROAD LEVELS AT CROWN	LEFT TOE LEVELS	RIGHT TOE LEVELS
290740.000	64.705	64.557	64.555	64.563	63.428	63.451
290750.000	64.710	64.567	64.588	64.587	63.207	62.609
290760.000	64.716	64.575	64.616	64.611	63.423	63.209
290770.000	64.721	64.578	64.616	64.613	63.529	63.988
290780.000	64.727	64.564	64.601	64.599	63.570	63.716
290790.000	64.732	64.541	64.581	64.578	63.487	63.753
290800.000	64.738	64.554	64.598	64.588	63.476	63.898
290810.000	64.743	64.601	64.632	64.627	63.762	63.943
290820.000	64.751	64.608	64.626	64.649	63.615	63.841
290830.000	64.761	64.714	64.570	64.715	63.344	63.767
290840.000	64.773	64.615	64.501	64.645	63.219	62.694
290850.000	64.787	64.558	64.470	64.612	63.267	62.642
290860.000	64.803	64.578	64.495	64.634	63.380	63.391
290870.000	64.821	64.612	64.542	64.654	63.862	63.446
290880.000	64.842	64.653	64.594	64.666	64.005	63.615
290890.000	64.864	64.705	64.654	64.702	63.804	63.764
290900.000	64.887	64.737	64.719	64.744	63.630	63.766
290910.000	64.909	64.732	64.740	64.743	63.572	63.861
290920.000	64.932	64.736	64.734	64.733	63.507	63.933
290930.000	64.954	64.713	64.709	64.706	63.494	63.906
290940.000	64.976	64.719	64.709	64.695	63.508	63.957
290950.000	64.999	64.711	64.703	64.688	63.521	63.806
290960.000	65.021	64.718	64.711	64.712	63.535	63.846
290970.000	65.044	64.735	64.743	64.743	63.548	63.680
290980.000	65.066	64.703	64.764	64.777	63.562	63.641
290990.000	65.086	64.686	64.757	64.788	63.576	63.643
291000.000	65.105	64.724	64.735	64.829	63.590	63.732
291010.000	65.122	64.610	64.745	64.898	63.605	63.598
291020.000	65.137	64.567	64.788	64.942	63.619	63.434
291030.000	65.150	64.788	64.844	64.982	63.633	63.903
291040.000	65.162	64.740	64.886	65.017	63.648	63.775
291050.000	65.173	64.694	64.928	65.029	63.662	63.578
291060.000	65.183	64.764	64.940	64.952	63.676	63.532
291070.000	65.193	64.733	64.932	64.949	63.690	63.629
291080.000	65.204	64.627	64.940	65.008	63.704	63.761
291090.000	65.214	64.597	64.963	65.053	63.718	63.714
291100.000	65.224	64.933	64.992	65.084	63.732	63.772
291110.000	65.235	64.989	65.016	65.083	63.747	63.977
291120.000	65.245	65.002	65.043	65.086	63.761	63.933
291130.000	65.256	65.040	65.086	65.124	63.790	63.944
291140.000	65.266	65.116	65.159	65.186	63.742	64.180
291150.000	65.276	65.136	65.170	65.175	63.929	64.283
291160.000	65.286	65.098	65.082	65.105	63.466	64.233
291170.000	65.292	65.076	64.981	65.067	63.254	62.725
291180.000	65.291	65.029	64.939	65.062	63.285	62.891
291190.000	65.285	65.020	64.933	65.098	63.150	63.099
291200.000	65.273	65.025	64.875	65.142	64.220	63.312
291210.000	65.255	65.017	64.951	65.151	64.535	63.527
291220.000	65.231	64.975	64.901	65.111	64.377	63.764
291230.000	65.202	64.902	64.834	65.028	63.948	64.018
291240.000	65.172	64.854	64.782	64.968	64.102	64.230
291250.000	65.141	64.809	64.727	64.914	64.541	64.027
291260.000	65.111	64.802	64.737	64.896	64.462	63.421
291270.000	65.080	64.810	64.749	64.874	64.056	63.490
291280.000	65.050	64.819	64.801	64.860	64.334	63.555
291290.000	65.020	64.809	64.842	64.814	64.181	63.615
291300.000	64.989	64.770	64.822	64.771	64.079	63.489
291310.000	64.959	64.724	64.791	64.744	63.661	63.288
291320.000	64.928	64.688	64.761	64.717	63.650	63.621
291330.000	64.899	64.655	64.731	64.685	63.660	64.076
291340.000	64.878	64.643	64.723	64.666	63.924	63.995
291350.000	64.871	64.654	64.727	64.663	64.137	63.766
291360.000	64.877	64.678	64.755	64.676	64.240	63.880
291370.000	64.895	64.726	64.761	64.725	63.508	63.114
291380.000	64.927	64.787	64.773	64.793	63.830	63.286
291390.000	64.971	64.835	64.800	64.846	64.225	63.946
291400.000	65.019	64.848	64.798	64.896	64.066	64.085
291410.000	65.067	64.875	64.802	64.925	63.980	63.828
291420.000	65.114	64.904	64.833	64.954	63.896	63.735
291430.000	65.162	64.962	64.889	65.037	63.957	63.336
291440.000	65.209	65.036	64.963	65.140	63.923	63.318
291450.000	65.257	65.107	65.015	65.218	63.861	63.300
291460.000	65.304	65.149	65.035	65.252	63.767	64.069
291470.000	65.352	65.175	65.080	65.285	63.820	64.001
291480.000	65.400	65.202	65.140	65.319	63.638	64.073
291490.000	65.445	65.209	65.171	65.329	63.497	64.202
291500.000	65.485	65.200	65.131	65.318	63.503	64.225
291510.000	65.520	65.188	65.148	65.305	63.632	64.283
291520.000	65.550	65.180	65.117	65.288	63.519	64.302
291530.000	65.575	65.182	65.110	65.286	63.237	64.362
291540.000	65.594	65.207	65.201	65.303	64.241	64.435

HORIZONTAL ALIGNMENT: 0m m; L=60.000m; æ L; R=2000.000m L=190.739m; æ L=62.719m; L=80.000m; R=600.000m L=15.645m; L=80.000m; æ L; L=80.000m; R L; L=80.000m; æ L=166.414m

VERTICAL ALIGNMENT: G=0.055 L=126.220m; R=47035.728m L=80.000m; G=0.225 L=88.302m; L=70.000m R=-57856.500m; G=0.104 L=113.637m; L=70.000m R=-17173.588m; L=100.788m G=-0.304; R=7695.992m L=60.000m; G=0.476 L=93.786m; L=80.000m R=-19219.112m

SUPERELEVATION: Q=2.500; Q=2.500; Q=5.000; Q=5.000; Q=2.500; Q=2.500; Q=5.000; Q=5.000

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer : STUP Consultant Pvt. Ltd in association with M/s AYOLEEZA Consultants Pvt. Ltd Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108, NH-37,Nagaon,Assam,Pin 782001

EPC Contractor : TK Engineering Consortium Pvt. Ltd Model Village, Naharlagun -791110 Papum Pare District, Arunachal Pradesh

Design Director : Er. P.V.S.R. Keerti

Proof Consultant : Alliance Engineers and Consultants 1st floor , TKD Aloy Opp SBI Chandmari MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 290.740 to Km.291.540*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet) HOR 10 0 20 40 VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 16

DATE :

REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT

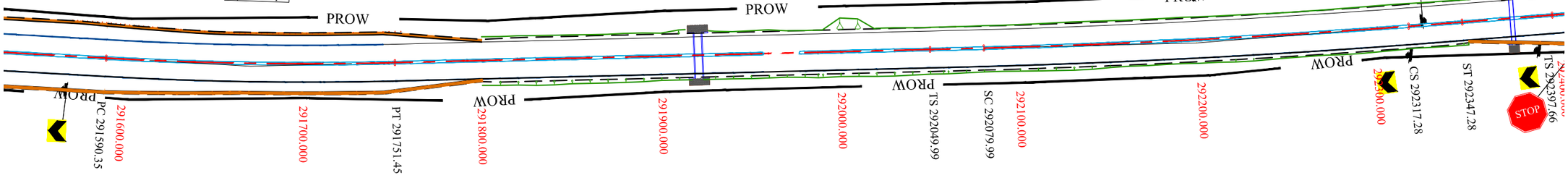
Nagaon → Rangagara

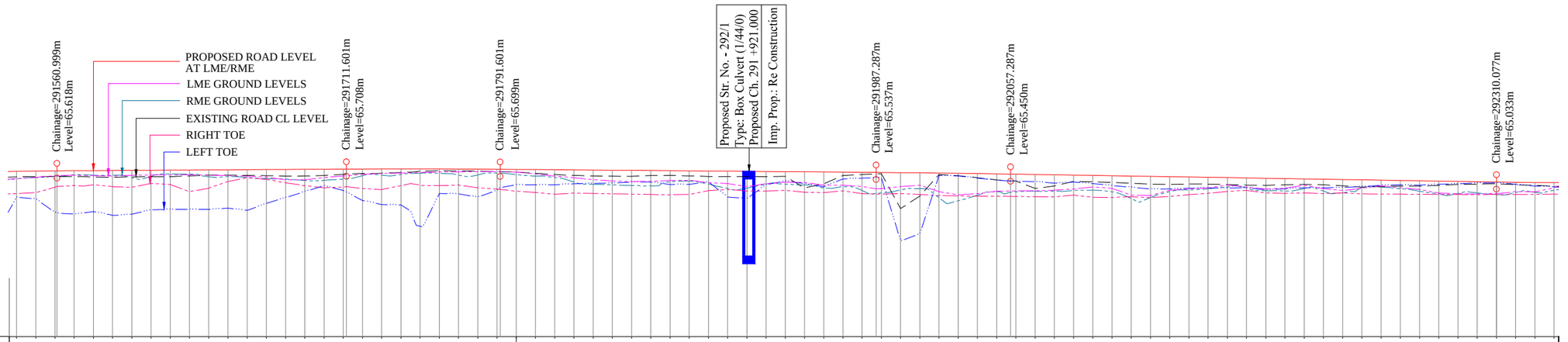
CURVE NO.32	
R	-2000.0m
^	4° 36' 54.6"
Ls	0.0m
Ts	80.6
Lc	161.10m
Es	1.6m
e	2.5%
V	100 Kmph

Proposed Str. No. - 292/1
Type: Box Culvert (1/44/0)
Proposed Ch. 291+921.000
Imp. Prop.: Re Construction

CURVE NO.33	
R	-5000.0m
^	3° 3' 46.3"
Ls	30.0m
Ts	148.7
Lc	237.28m
Es	1.8m
e	2.5%
V	100 Kmph

Proposed Str. No. - 293/1
Type: Box Culvert (1/22/0)
Proposed Ch. 292+376.000
Imp. Prop.: Re Construction





Datum =57.000

TCS TYPE	TCS TYPE III	TCS TYPE III	TCS TYPE IV	TCS TYPE IV	TCS TYPE IV
PROPOSED ROAD LEVELS AT LME/RME	65.594 65.609 65.618 65.624 65.630 65.636 65.642 65.647 65.653 65.659 65.665 65.671 65.677 65.683 65.689 65.695 65.701 65.707 65.712 65.716 65.718 65.716 65.712 65.707 65.700 65.692				
LME GROUND LEVELS	65.207 65.278 65.359 65.389 65.364 65.348 65.383 65.403 65.405 65.416 65.366 65.338 65.286 65.154 65.152 65.267 65.349 65.431 65.480 65.503 65.531 65.561 65.566 65.573 65.583 65.547				
RME GROUND LEVELS	65.201 65.267 65.344 65.416 65.394 65.279 65.263 65.332 65.455 65.449 65.312 65.325 65.267 65.214 65.183 65.117 65.123 65.186 65.365 65.393 65.427 65.492 65.553 65.498 65.398 65.409 65.501 65.423				
EX. ROAD LEVELS AT CROWN	65.303 65.323 65.319 65.317 65.296 65.279 65.305 65.309 65.313 65.354 65.397 65.398 65.384 65.365 65.344 65.348 65.378 65.437 65.475 65.493 65.529 65.591 65.624 65.616 65.599 65.579 65.559 65.488				
LEFT TOE LEVELS	64.241 64.163 64.459 64.366 64.857 64.897 63.502 64.309 63.365 63.840 63.591 63.615 63.616 63.611 63.676 63.559 63.926 64.229 64.542 64.842 64.598 64.075 63.865 63.840 62.733 64.849 64.436 64.422 64.250 64.607 64.896 64.889				
RIGHT TOE LEVELS	64.435 64.487 64.762 64.857 64.897 64.800 64.759 64.963 64.906 64.534 64.718 65.064 65.255 65.179 64.994 64.846 64.735 64.772 64.698 64.644 64.848 64.877 64.849 64.878 64.736 64.667 64.560 64.494				
HORIZONTAL ALIGNMENT	R=-2000.000m L=161.100m		∝ L=298.542m	L=30.000m	R=-5000.000m L=237.284m L=30.000m
VERTICAL ALIGNMENT	12m G=0.059 L=150.603m	L=80.000m R=-56224.469m	L=195.685m G=-0.083	L=70.000m R=-85359.487m	L=252.791m G=-0.165
SUPERELEVATION	Q=2.500	Q=2.500			
CHAINAGE	291540.000 291550.000 291560.000 291570.000 291580.000 291590.000 291600.000 291610.000 291620.000 291630.000 291640.000 291650.000 291660.000 291670.000 291680.000 291690.000 291700.000 291710.000 291720.000 291730.000 291740.000 291750.000 291760.000 291770.000 291780.000 291790.000	291800.000 291810.000 291820.000 291830.000 291840.000 291850.000 291860.000 291870.000 291880.000 291890.000 291900.000 291910.000 291920.000 291930.000 291940.000 291950.000 291960.000 291970.000 291980.000 291990.000 292000.000 292010.000 292020.000 292030.000 292040.000 292050.000	292060.000 292070.000 292080.000 292090.000 292100.000 292110.000 292120.000 292130.000 292140.000 292150.000 292160.000 292170.000 292180.000 292190.000 292200.000 292210.000 292220.000 292230.000 292240.000 292250.000 292260.000 292270.000 292280.000 292290.000 292300.000 292310.000	292320.000 292330.000 292340.000	

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 291.540 to Km.292.340*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)
HOR 10 0 20 40
VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 17
DATE :
REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

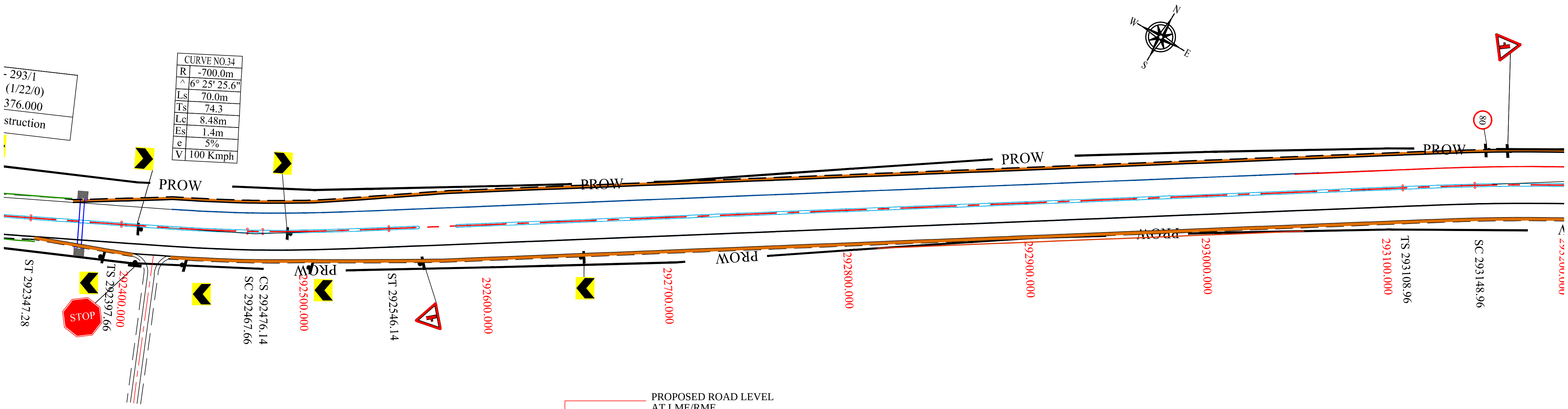
PROPOSED

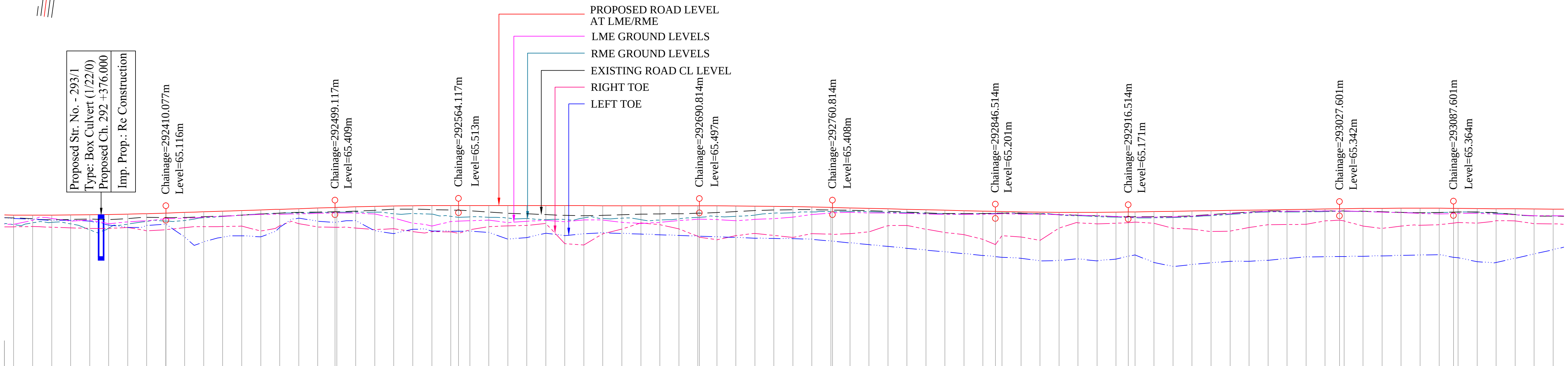
- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT

← Nagaon   Rangagara →





Datum =57.000

CHAINAGE	292330.000	292340.000	292350.000	292360.000	292370.000	292380.000	292390.000	292400.000	292410.000	292420.000	292430.000	292440.000	292450.000	292460.000	292470.000	292480.000	292490.000	292500.000	292510.000	292520.000	292530.000
PROPOSED ROAD LEVELS AT LME/RME	65.010	65.006	65.007	65.013	65.023	65.039	65.059	65.085	65.115	65.148	65.181	65.214	65.247	65.280	65.313	65.346	65.379	65.412	65.442	65.467	65.486
LME GROUND LEVELS	64.523	64.736	64.833	64.694	64.758	64.555	64.652	64.706	64.813	64.850	64.897	64.948	65.004	65.046	65.053	65.071	65.097	65.126	65.114	65.068	64.853
RME GROUND LEVELS	64.507	64.604	64.625	64.548	64.236	64.322	64.532	64.679	64.697	64.720	64.871	64.937	65.008	65.068	65.108	65.121	65.154	65.158	65.172	65.159	65.079
EX. ROAD LEVELS AT CROWN	64.861	64.816	64.760	64.784	64.800	64.771	64.824	64.888	64.872	64.880	64.927	64.959	65.009	65.068	65.116	65.155	65.167	65.183	65.216	65.261	65.317
LEFT TOE LEVELS	64.828	64.791	64.735	64.736	64.693	64.488	64.359	64.461	64.531	63.853	63.597	63.845	63.922	63.865	64.363	64.850	64.684	64.635	64.710	64.181	64.038
RIGHT TOE LEVELS	64.394	64.407	64.371	64.338	64.309	64.310	64.356	64.181	64.238	64.350	64.401	64.407	64.429	64.170	64.453	64.555	64.384	64.368	64.325	64.243	64.294

CHAINAGE	292540.000	292550.000	292560.000	292570.000	292580.000	292590.000	292600.000	292610.000	292620.000	292630.000	292640.000	292650.000	292660.000	292670.000	292680.000	292690.000	292700.000	292710.000	292720.000	292730.000	292740.000
PROPOSED ROAD LEVELS AT LME/RME	65.500	65.509	65.513	65.512	65.511	65.509	65.508	65.507	65.506	65.505	65.503	65.502	65.501	65.500	65.498	65.497	65.495	65.489	65.480	65.467	65.451
LME GROUND LEVELS	64.581	64.433	64.668	64.712	64.742	64.611	64.687	64.731	64.660	64.760	64.751	64.630	64.566	64.623	64.723	64.792	64.773	64.715	64.782	64.819	64.904
RME GROUND LEVELS	65.093	65.056	64.947	64.917	64.894	64.852	64.827	64.771	64.780	64.864	64.826	64.845	64.770	64.751	64.813	64.891	64.938	64.944	65.009	65.110	65.136
EX. ROAD LEVELS AT CROWN	65.325	65.295	65.271	65.238	65.165	65.099	65.076	65.038	64.991	64.976	64.994	65.027	65.056	65.074	65.077	65.107	65.143	65.198	65.252	65.277	65.295
LEFT TOE LEVELS	64.260	64.171	64.163	64.160	64.091	63.744	63.823	64.059	63.927	64.021	64.081	64.045	64.009	63.972	63.936	63.900	63.864	63.828	63.793	63.778	63.771
RIGHT TOE LEVELS	64.143	64.142	64.122	64.238	64.402	64.440	64.464	64.571	63.510	63.438	64.026	64.270	64.598	64.507	64.283	63.895	63.712	63.929	64.048	63.939	63.833

CHAINAGE	292750.000	292760.000	292770.000	292780.000	292790.000	292800.000	292810.000	292820.000	292830.000	292840.000	292850.000	292860.000	292870.000	292880.000	292890.000	292900.000	292910.000	292920.000	292930.000	292940.000	292950.000
PROPOSED ROAD LEVELS AT LME/RME	65.433	65.410	65.386	65.362	65.338	65.314	65.289	65.265	65.241	65.217	65.193	65.174	65.160	65.152	65.150	65.153	65.162	65.176	65.191	65.207	65.222
LME GROUND LEVELS	65.033	65.118	65.157	65.122	65.117	65.096	65.068	65.044	65.048	65.050	65.083	65.060	65.057	65.030	65.002	64.971	64.930	64.901	64.901	64.916	64.950
RME GROUND LEVELS	65.172	65.192	65.205	65.185	65.158	65.126	65.104	65.075	65.080	65.094	65.113	65.112	65.089	65.019	64.974	64.933	64.903	64.870	64.865	64.886	64.925
EX. ROAD LEVELS AT CROWN	65.297	65.275	65.263	65.242	65.210	65.165	65.125	65.091	65.085	65.094	65.114	65.093	65.074	65.039	65.003	64.975	64.937	64.918	64.922	64.935	64.968
LEFT TOE LEVELS	63.736	63.642	63.547	63.453	63.358	63.264	63.169	63.075	62.980	62.886	62.791	62.737	62.597	62.616	62.700	62.601	62.698	62.909	62.514	62.307	62.407
RIGHT TOE LEVELS	64.032	64.010	64.030	64.128	64.455	64.467	64.265	64.090	63.984	63.732	63.927	63.860	63.681	64.326	64.602	64.551	64.578	64.642	64.573	64.317	64.270

CHAINAGE	292960.000	292970.000	292980.000	292990.000	293000.000	293010.000	293020.000	293030.000	293040.000	293050.000	293060.000	293070.000	293080.000	293090.000	293100.000	293110.000	293120.000	293130.000	293140.000
PROPOSED ROAD LEVELS AT LME/RME	65.238	65.253	65.268	65.284	65.299	65.315	65.330	65.345	65.358	65.366	65.371	65.372	65.369	65.362	65.354	65.346	65.337	65.329	65.321
LME GROUND LEVELS	65.019	65.082	65.154	65.209	65.208	65.214	65.224	65.222	65.201	65.163	65.138	65.095	65.070	65.095	65.100	65.063	65.026	64.979	64.978
RME GROUND LEVELS	64.981	65.046	65.122	65.174	65.176	65.180	65.194	65.204	65.191	65.171	65.143	65.129	65.145	65.164	65.151	65.111	65.040	64.971	64.969
EX. ROAD LEVELS AT CROWN	65.034	65.102	65.174	65.224	65.221	65.219	65.225	65.228	65.212	65.182	65.152	65.134	65.145	65.176	65.171	65.133	65.035	64.961	64.949
LEFT TOE LEVELS	62.500	62.578	62.576	62.632	62.726	62.806	62.818	62.831	62.845	62.865	62.885	62.906	62.930	62.762	62.562	62.514	62.736	62.961	63.190
RIGHT TOE LEVELS	64.142	64.168	64.356	64.501	64.518	64.521	64.705	64.701	64.429	64.306	64.434	64.471	64.501	64.619	64.586	64.717	64.705	64.557	64.546

TCS TYPE: TCS TYPE VIII; TCS TYPE III; TCS TYPE III; TCS TYPE VII

HORIZONTAL ALIGNMENT: 30.000m; æ L=50.387m; L=70.000m; R L; L=70.000m; æ L=562.820m; L=40.000m

VERTICAL ALIGNMENT: R=20218.143m L=100.000m; G=0.330 L=89.040m; L=65.000m R=-19007.311m; L=126.697m G=-0.012; L=70.000m R=-30500.579m; L=85.700m G=-0.242; R=17682.746m L=70.000m; G=0.154 L=111.087m; L=60.000m R=-25503.802m

SUPERELEVATION: Q=5.000; Q=5.000; Q=2.500; Q=2.500

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	

Client :

NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill
Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 292.340 to Km.293.140*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)

HOR 10 0 20 40
VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 18

DATE :

REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

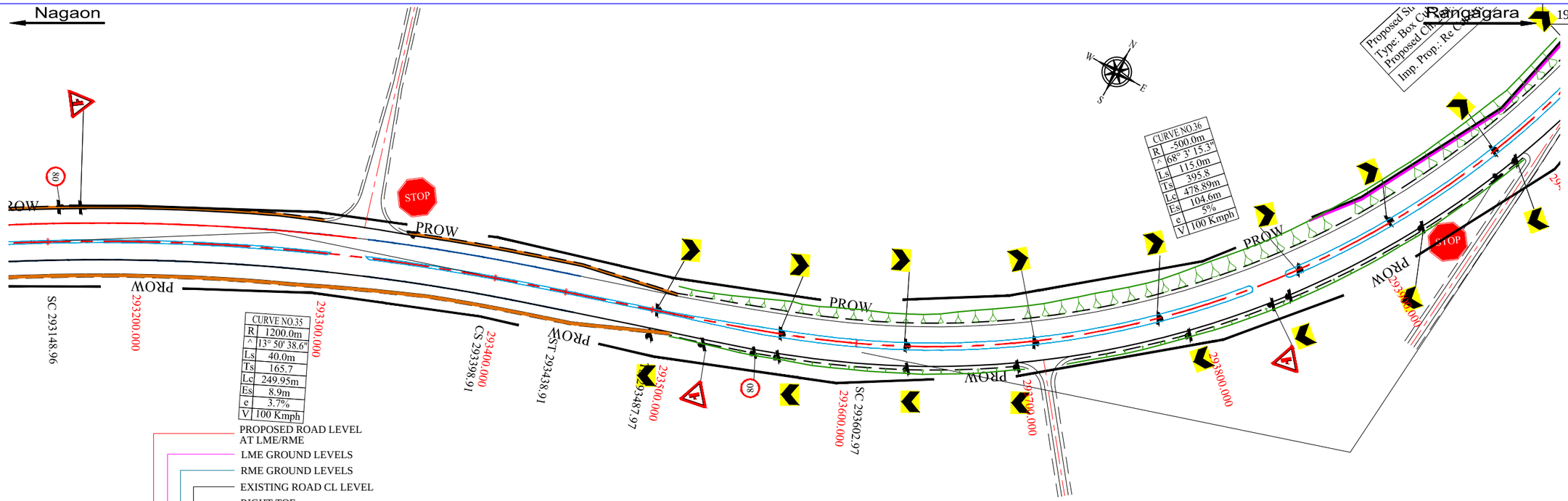
- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT



Datum = 57 M

CHAINAGE	TCS TYPE	PROPOSED ROAD LEVELS AT LME/RME	LME GROUND LEVELS	RME GROUND LEVELS	EX. ROAD LEVELS AT CROWN	LEFT TOE LEVELS	RIGHT TOE LEVELS
293140.000	TCS TYPE VII	65.321	64.978	64.969	64.949	63.190	64.546
293150.000		65.313	64.959	64.966	64.943	63.425	64.496
293160.000		65.305	64.922	64.966	64.948	63.683	64.598
293170.000		65.297	64.963	64.986	64.960	63.744	64.718
293180.000		65.289	64.991	64.973	65.014	63.520	64.901
293190.000		65.281	65.039	65.062	65.005	63.465	64.816
293200.000		65.273	65.026	65.059	65.043	63.410	64.697
293210.000		65.264	65.020	65.063	65.057	63.353	64.676
293220.000		65.256	64.976	65.057	65.051	63.296	64.638
293230.000		65.248	64.900	65.036	65.081	63.239	64.636
293240.000		65.240	64.905	64.948	64.989	63.181	64.535
293250.000		65.232	65.005	64.988	64.947	63.122	64.439
293260.000		65.224	65.088	65.026	64.982	63.035	64.436
293270.000		65.215	65.117	65.057	65.006	62.865	64.522
293280.000		65.207	65.138	65.069	65.031	62.846	64.512
293290.000		65.198	65.139	65.043	65.008	63.234	64.290
293300.000		65.188	65.110	64.974	64.939	63.723	64.073
293310.000		65.178	65.053	64.888	64.857	63.835	64.546
293320.000		65.168	65.121	64.891	64.978	64.067	64.818
293330.000		65.158	65.105	64.811	65.065	63.803	64.400
293340.000		65.148	65.032	64.726	65.014	63.833	64.174
293350.000		65.137	64.985	64.644	64.978	63.718	64.212
293360.000		65.127	64.952	64.767	64.948	63.436	64.921
293370.000		65.117	64.924	64.884	64.918	64.211	65.416
293380.000		65.106	64.899	64.860	64.890	63.880	64.975
293390.000		65.096	64.864	64.847	64.865	63.420	64.777
293400.000		65.086	64.859	64.846	64.856	63.256	64.842
293410.000		65.075	64.846	64.856	64.868	63.359	64.569
293420.000		65.065	64.830	64.853	64.862	63.229	64.430
293430.000		65.055	64.752	64.827	64.742	63.397	64.350
293440.000		65.044	64.677	64.821	64.664	63.658	64.261
293450.000		65.034	64.713	64.843	64.774	63.829	64.243
293460.000		65.025	64.816	64.872	64.869	63.758	64.322
293470.000		65.019	64.840	64.899	64.900	63.461	64.558
293480.000		65.016	64.810	64.883	64.906	63.292	64.559
293490.000		65.014	64.783	64.853	64.895	63.162	64.465
293500.000		65.015	64.759	64.829	64.898	63.028	64.628
293510.000	TCS TYPE VIII	65.019	64.727	64.820	64.906	63.197	64.690
293520.000		65.022	64.713	64.814	64.917	63.182	64.624
293530.000		65.026	64.590	64.796	64.911	62.917	64.595
293540.000		65.030	64.482	64.779	64.885	62.582	64.425
293550.000		65.034	64.422	64.778	64.863	62.285	64.475
293560.000		65.038	64.595	64.772	64.848	61.985	64.608
293570.000		65.042	64.586	64.790	64.836	62.218	64.507
293580.000		65.046	64.554	64.811	64.826	62.157	64.313
293590.000		65.050	64.604	64.819	64.798	61.773	64.411
293600.000		65.054	63.284	64.840	64.775	61.665	64.529
293610.000		65.058	62.988	64.848	64.756	61.759	64.464
293620.000		65.062	64.717	64.834	64.770	62.011	64.455
293630.000		65.066	64.797	64.768	64.798	62.106	64.416
293640.000		65.070	64.801	64.643	64.814	62.128	64.248
293650.000		65.074	64.799	64.577	64.828	61.978	64.350
293660.000		65.078	64.803	64.652	64.815	61.490	64.311
293670.000		65.082	64.800	64.698	64.805	61.252	64.312
293680.000		65.086	64.774	64.717	64.761	61.173	64.448
293690.000		65.090	64.753	64.722	64.701	61.122	64.534
293700.000		65.094	64.749	64.693	64.680	61.144	64.416
293710.000		65.098	64.758	64.662	64.686	61.051	64.342
293720.000		65.102	64.783	64.673	64.737	60.787	64.546
293730.000		65.105	64.849	64.832	64.825	60.634	64.666
293740.000		65.108	64.900	64.970	64.898	60.515	64.623
293750.000		65.110	64.932	64.951	65.035	60.623	64.527
293760.000		65.111	64.941	64.976	65.102	60.751	64.585
293770.000		65.111	64.922	64.980	65.162	60.834	64.677
293780.000		65.111	64.891	64.951	65.110	60.788	64.713
293790.000		65.110	64.868	64.929	65.052	60.514	64.719
293800.000		65.110	64.844	64.963	64.901	60.266	64.558
293810.000		65.109	64.798	64.900	64.861	60.053	64.538
293820.000		65.108	64.747	64.858	64.869	60.047	64.564
293830.000		65.107	64.706	64.826	64.848	60.099	64.472
293840.000		65.106	64.698	64.757	64.818	60.170	64.528
293850.000		65.105	64.662	64.661	64.674	60.208	64.620
293860.000		65.104	64.662	64.661	64.674	60.109	64.625
293870.000		65.103	63.144	64.542	64.655	60.109	64.657
293880.000		65.103	61.570	64.420	64.758	60.019	64.706
293890.000		65.102	61.321	62.017	64.779	59.888	64.725
293900.000		65.101	61.212	62.120	64.094	59.776	64.773
293910.000		65.100	61.072	60.543	63.368	59.744	64.799
293920.000		65.099	60.891	63.062	64.799	59.810	64.910
293930.000		65.098	60.699	62.959	64.816	59.731	64.858
293940.000		65.097	60.364	63.480	64.823	59.750	65.021

HORIZONTAL ALIGNMENT: R=1200.000m L=249.949m; L=40.000m; L=49.060m; L=115.000m; R=-500.000m L=478.885m

VERTICAL ALIGNMENT: L=166.834m G=-0.081; L=70.000m R=-312538.995m; L=122.998m G=-0.103; R=41868.133m L=60.000m; G=0.040 L=207.328m; L=70.000m R=-144107.210m; L=225.229m G=-0.009

SUPERELEVATION: Q=3.700; Q=3.700; Q=2.500; Q=2.500; Q=5.000; Q=5.000

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 293.140 to Km.293.940*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)

HOR 10 0 20 40

VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 19

DATE :

REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

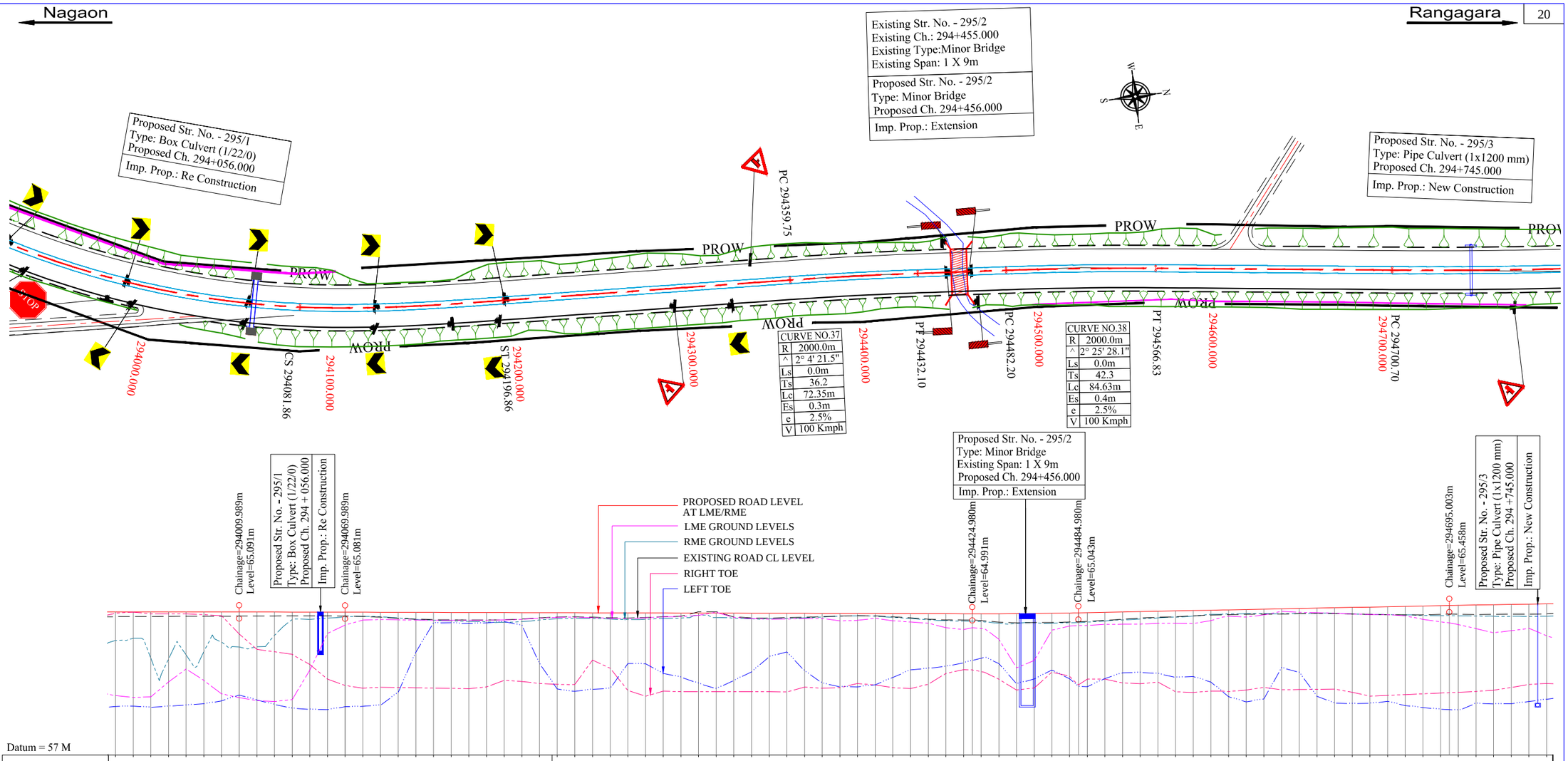
LEGEND :

PLAN :

EXISTING
- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

PROPOSED
- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :
- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT



Datum = 57 M

TCS TYPE	V	TCS TYPE V	TCS TYPE II	TCS TYPE II	TCS TYPE II
HORIZONTAL ALIGNMENT		L=115.000m	æ L=162.896m	R=2000.000m L=72.349m	æ L=50.097m	R=2000.000m L=84.630m	æ L=133.865m
VERTICAL ALIGNMENT		L=60.000m R=-363876.371m	L=354.991m G=-0.025	R=26940.237m L=60.000m	G=0.197 L=210.023m	L=70.000m R=-100062.286m
SUPERELEVATION					Q=2.500	Q=2.500

PROPOSED ROAD LEVELS AT LME/RME	LME GROUND LEVELS	RME GROUND LEVELS	EX. ROAD LEVELS AT CROWN	LEFT TOE LEVELS	RIGHT TOE LEVELS	CHAINAGE
65.097	60.364	63.480	64.825	59.750	65.021	293940.000
65.096	60.259	63.603	64.833	59.765	65.087	293950.000
65.096	60.289	62.487	64.834	59.701	64.986	293960.000
65.095	61.133	62.427	64.841	59.759	64.991	293970.000
65.094	61.871	62.660	64.853	59.824	64.988	293980.000
65.093	61.222	62.853	64.851	59.897	64.938	293990.000
65.092	60.465	63.391	64.850	60.059	64.885	294000.000
65.091	60.245	63.118	64.860	60.399	63.849	294010.000
65.090	60.077	63.123	64.860	60.108	62.978	294020.000
65.089	60.030	63.773	64.866	59.862	62.844	294030.000
65.087	60.135	64.668	64.878	59.650	62.691	294040.000
65.086	61.808	64.674	64.878	59.584	62.117	294050.000
65.083	63.881	64.741	64.873	59.568	61.297	294060.000
65.081	64.351	64.810	64.863	59.731	60.935	294070.000
65.079	64.634	64.845	64.842	59.752	60.778	294080.000
65.076	64.668	64.816	64.796	59.821	60.836	294090.000
65.073	64.649	64.755	64.737	60.550	60.821	294100.000
65.071	64.631	64.676	64.688	62.822	60.805	294110.000
65.068	64.620	64.621	64.661	64.470	60.788	294120.000
65.066	64.627	64.589	64.649	64.484	60.771	294130.000
65.063	64.624	64.562	64.647	64.441	60.754	294140.000
65.061	64.624	64.529	64.640	64.476	60.856	294150.000
65.058	64.639	64.510	64.647	64.552	61.224	294160.000
65.056	64.674	64.549	64.692	64.338	61.163	294170.000
65.053	64.740	64.640	64.756	62.178	61.046	294180.000
65.051	64.785	64.707	64.809	60.737	60.999	294190.000
65.048	64.794	64.729	64.822	60.603	60.988	294200.000
65.046	64.767	64.719	64.796	60.720	62.375	294210.000
65.043	64.740	64.692	64.759	60.771	61.909	294220.000
65.041	64.721	64.668	64.750	64.668	62.563	294230.000
65.038	64.755	64.682	64.779	64.740	62.828	294240.000
65.036	64.818	64.719	64.824	64.795	61.767	294250.000
65.033	64.828	64.750	64.851	64.825	61.074	294260.000
65.031	64.901	64.901	65.104	64.859	60.865	294270.000
65.028	65.076	64.776	65.105	64.882	60.859	294280.000
65.026	64.785	64.746	64.815	64.868	60.971	294290.000
65.023	64.723	64.703	64.755	64.744	60.963	294300.000
65.020	64.688	64.714	64.744	64.773	60.809	294310.000
65.018	64.695	64.695	64.740	64.795	60.761	294320.000
65.015	64.714	64.763	64.795	64.825	61.000	294330.000
65.013	64.725	64.808	64.825	64.808	61.614	294340.000
65.010	64.590	64.857	64.859	64.857	62.018	294350.000
65.008	64.617	64.873	64.882	64.852	62.216	294360.000
65.005	64.740	64.852	64.868	64.789	62.479	294370.000
65.003	64.595	64.725	64.759	64.725	62.169	294380.000
65.000	64.526	64.789	64.820	64.599	62.036	294390.000
64.998	64.458	64.599	64.689	64.644	61.902	294400.000
64.995	64.205	64.577	64.635	64.644	61.614	294410.000
64.993	64.102	64.542	64.605	64.516	61.288	294420.000
64.991	64.156	64.455	64.477	64.451	61.934	294430.000
64.992	63.549	64.451	64.493	64.473	62.346	294440.000
64.997	61.934	64.473	64.501	64.459	64.061	294450.000
65.005	62.346	64.459	64.525	64.484	64.296	294460.000
65.018	64.061	64.484	64.560	64.520	64.333	294470.000
65.034	64.296	64.520	64.619	64.585	64.390	294480.000
65.053	64.333	64.585	64.683	64.644	64.398	294490.000
65.073	64.390	64.644	64.746	64.697	64.404	294500.000
65.093	64.398	64.697	64.792	64.753	64.451	294510.000
65.112	64.404	64.753	64.820	64.802	64.451	294520.000
65.132	64.451	64.802	64.876	64.859	64.436	294530.000
65.152	64.451	64.859	64.918	64.953	64.605	294540.000
65.172	64.436	64.953	64.936	64.985	64.854	294550.000
65.191	64.605	64.985	64.994	64.994	64.808	294560.000
65.211	64.854	64.994	64.961	64.968	64.927	294570.000
65.231	64.808	64.968	64.994	64.994	64.927	294580.000
65.251	64.927	64.994	64.968	64.974	65.127	294590.000
65.270	65.127	64.974	64.994	64.993	65.070	294600.000
65.290	65.070	64.993	65.003	65.018	65.051	294610.000
65.310	65.051	65.018	65.015	65.012	65.028	294620.000
65.330	65.028	65.012	65.010	65.012	65.028	294630.000
65.349	64.979	64.978	64.977	64.978	64.979	294640.000
65.369	64.951	64.955	64.953	64.955	64.951	294650.000
65.389	64.937	64.941	64.938	64.941	64.937	294660.000
65.409	64.876	64.925	64.930	64.925	64.876	294670.000
65.428	64.678	64.892	64.930	64.969	64.847	294680.000
65.448	64.538	64.883	64.957	64.968	64.844	294690.000
65.468	64.378	64.875	64.963	64.968	64.854	294700.000
65.486	64.156	64.863	64.947	64.968	64.988	294710.000
65.504	63.916	64.854	64.957	64.930	65.154	294720.000
65.521	64.032	64.847	64.930	64.892	64.678	294730.000
65.537	64.168	64.844	64.968	64.969	64.847	294740.000
65.551	63.746	64.854	64.988	65.154	64.032	294750.000

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	

Client : MAIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 293.940 to Km.294.740*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)

HOR 10 0 20 40

VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 20

DATE : REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

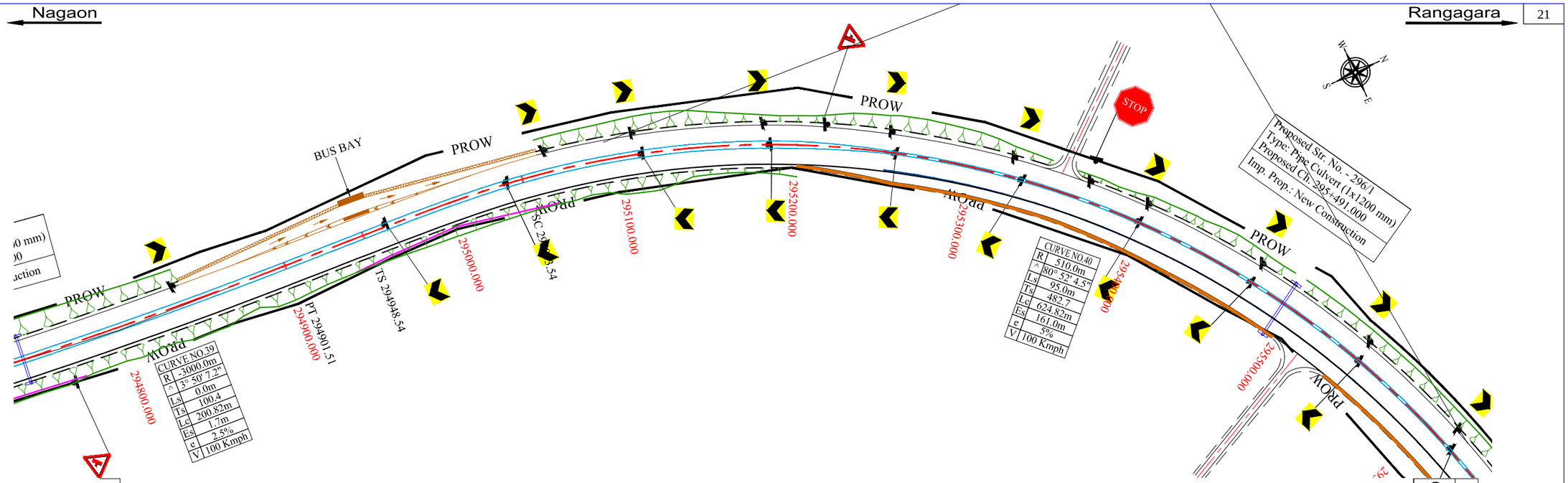
- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

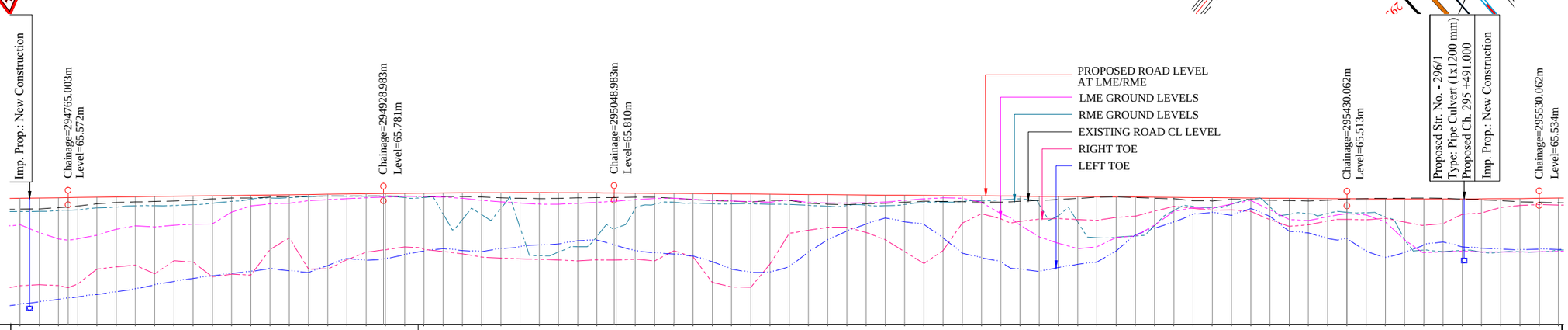
PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT





Datum = 59 M

TCS TYPE	TCS TYPE II	TCS TYPE V	TCS TYPE V	TCS TYPE V
PROPOSED ROAD LEVELS AT LME/RME	65.537 65.551 65.565 65.578 65.591 65.604 65.616 65.629 65.642 65.655 65.667 65.680 65.693 65.706 65.718 65.731 65.744 65.757 65.769 65.782 65.794 65.804 65.812 65.819 65.824 65.827 65.828 65.828 65.826 65.822 65.817 65.810 65.802 65.794 65.786 65.778 65.771 65.763 65.755 65.747 65.739 65.732 65.724 65.716 65.708 65.700 65.693 65.685 65.677 65.669 65.661 65.653 65.646 65.638 65.630 65.622 65.614 65.607 65.599 65.591 65.583 65.575 65.568 65.560 65.552 65.544 65.536 65.529 65.521 65.513 65.506 65.501 65.498 65.499 65.502 65.507 65.514 65.523 65.534 65.546			
LME GROUND LEVELS	64.168 64.746 63.429 63.430 63.618 63.928 64.106 64.042 64.139 64.187 64.206 64.815 65.138 65.245 65.279 65.411 65.466 65.514 65.562 65.596 65.629 65.629 65.594 65.538 65.429 65.352 65.286 65.231 65.227 65.267 65.327 65.386 65.463 65.530 65.537 65.446 65.511 65.203 63.534 63.196 62.922 63.013 63.499 63.574 64.143 64.857 65.041 65.236 65.428 64.933 64.431 64.375 64.582 64.738 64.666 64.308 63.371 62.717 62.749 62.796 62.743 62.741 62.746 62.750 62.779			
RME GROUND LEVELS	64.844 64.854 64.894 64.930 65.036 65.078 65.142 65.152 65.162 65.202 65.275 65.375 65.487 65.555 65.589 65.617 65.655 65.643 65.646 65.629 65.568 65.575 65.629 65.722 64.429 64.695 64.997 64.024 62.558 63.017 63.550 63.988 65.227 65.326 65.287 65.472 65.412 65.253 65.244 65.250 65.338 65.423 65.228 65.215 65.172 65.120 65.159 65.178 65.153 65.211 65.316 65.342 65.373 65.358 65.371 65.418 65.446 65.511 65.421 65.467 65.530 65.589 65.593 65.600 65.573 65.581 65.539 65.513 65.403 65.397 65.489 65.466 65.435 65.409 65.409 65.432 65.489 65.521 65.783 64.811 64.743 64.582 64.375 64.733 64.699 64.085 64.470 64.933 64.544 64.536 64.431 64.529 64.521 64.513 64.506 64.501 64.498 64.499 64.502 64.507 64.514 64.523 64.534 64.546			
EX. ROAD LEVELS AT CROWN	64.968 64.988 65.044 65.135 65.244 65.317 65.346 65.373 65.393 65.422 65.503 65.545 65.548 65.589 65.619 65.645 65.656 65.654 65.654 65.651 65.641 65.629 65.575 65.629 64.722 64.623 64.695 64.962 65.536 64.024 62.558 63.017 63.550 63.988 65.227 65.326 65.287 65.472 65.412 65.253 65.244 65.250 65.338 65.423 65.228 65.215 65.172 65.120 65.159 65.178 65.153 65.211 65.316 65.342 65.373 65.358 65.371 65.418 65.446 65.511 65.421 65.467 65.530 65.589 65.593 65.600 65.573 65.581 65.539 65.513 65.403 65.397 65.489 65.466 65.435 65.409 65.409 65.432 65.489 65.521 65.782 64.811 64.743 64.582 64.375 64.733 64.699 64.085 64.470 64.933 64.544 64.536 64.431 64.529 64.521 64.513 64.506 64.501 64.498 64.499 64.502 64.507 64.514 64.523 64.534 64.546			
LEFT TOE LEVELS	60.027 60.154 60.281 60.410 60.539 60.673 60.827 61.039 61.215 61.377 61.513 61.638 61.730 61.883 61.770 61.681 62.037 62.413 62.309 62.389 62.606 62.792 62.926 62.816 62.767 62.922 63.010 63.107 63.159 63.329 63.286 63.360 63.074 62.803 62.705 62.642 62.531 62.240 61.853 61.689 61.687 61.980 62.748 63.378 63.832 64.204 64.517 64.318 64.180 63.473 62.686 62.445 62.242 61.851 61.736 61.934 62.108 62.222 62.793 63.643 63.984 64.294 64.696 64.798 64.647 65.006 65.466 65.435 65.085 64.598 64.423 64.335 64.455 64.482 64.430 64.388 64.549 64.607 64.871 65.117 65.019 64.921 64.934 64.854 65.004 64.078 64.162 64.362 64.442 64.417 64.490 64.302 64.136 64.220 64.705 64.769 65.054 65.162 65.208 65.185			
RIGHT TOE LEVELS	60.995 61.048 61.005 61.084 61.856 61.973 62.063 61.612 62.290 62.226 61.451 61.594 61.549 62.875 63.478 61.856 61.879 62.347 62.733 62.861 63.003 62.875 62.769 62.654 62.478 62.433 62.392 62.364 62.329 62.286 62.340 62.327 62.371 62.284 62.807 62.494 61.168 60.931 60.911 62.119 63.714 63.876 64.029 64.036 63.758 63.380 62.763 62.150 62.815 64.252 64.730 64.472 64.335 64.455 64.482 64.430 64.388 64.549 64.607 64.871 65.117 65.019 64.921 64.934 64.854 64.423 64.078 64.162 64.362 64.442 64.417 64.490 64.302 64.136 64.220 64.705 64.769 65.054 65.162 65.208 65.185			
HORIZONTAL ALIGNMENT	R=-3000.000m L=200.817m	∞ L=47.032m	L=95.000m	R=510.000m L=624.820m
VERTICAL ALIGNMENT	0m 2.286m	G=0.128 L=163.980m	L=120.000m R=-58365.640m	L=381.079m G=-0.078	R=50247.646m L=100.000m
SUPERELEVATION			Q=5.000	Q=5.000
CHAINAGE	294740.000 294750.000 294760.000 294770.000 294780.000 294790.000 294800.000 294810.000 294820.000 294830.000 294840.000 294850.000 294860.000 294870.000 294880.000 294890.000 294900.000 294910.000 294920.000 294930.000 294940.000 294950.000 294960.000 294970.000 294980.000 294990.000 295000.000 295010.000 295020.000 295030.000 295040.000 295050.000 295060.000 295070.000 295080.000 295090.000 295100.000 295110.000 295120.000 295130.000 295140.000 295150.000 295160.000 295170.000 295180.000 295190.000 295200.000 295210.000 295220.000 295230.000 295240.000 295250.000 295260.000 295270.000 295280.000 295290.000 295300.000 295310.000 295320.000 295330.000 295340.000 295350.000 295360.000 295370.000 295380.000 295390.000 295400.000 295410.000 295420.000 295430.000 295440.000 295450.000 295460.000 295470.000 295480.000 295490.000 295500.000 295510.000 295520.000 295530.000 295540.000			

Rev No.	DATE	DESCRIPTION	S.D. DESIGNED	N.K DRAWN	J.K.S. CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION				

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 294.740 to Km.295.540*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)

HOR 10 0 20 40

VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 21

DATE :

REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

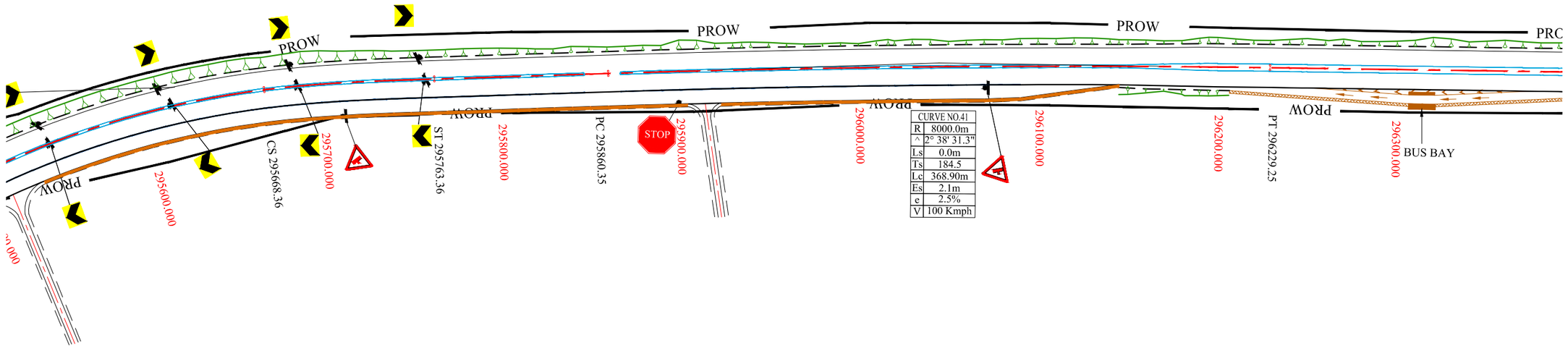
PROPOSED

- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

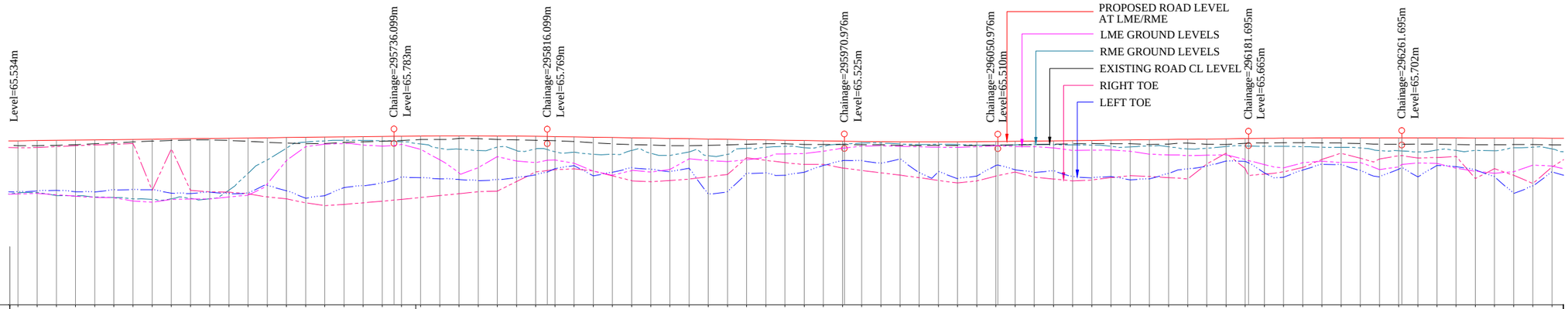
PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT

Nagaon → Rangagara



CURVE NO.41	
R	8000.0m
^	2° 38' 31.3"
Ls	0.0m
Ts	184.5
Lc	368.90m
Es	2.1m
e	2.5%
V	100 Kmph



Datum =57.000

TCS TYPE	V	TCS TYPE V	TCS TYPE II	TCS TYPE II
PROPOSED ROAD LEVELS AT LME/RME	65.546 65.558 65.571 65.583 65.595 65.607 65.619 65.631 65.643 65.655 65.667 65.679 65.691 65.704 65.716 65.728 65.740 65.752 65.764 65.776 65.788 65.797 65.802 65.804 65.803 65.798 65.790 65.778 65.763 65.747 65.731 65.715 65.700 65.684 65.668 65.652 65.637 65.621 65.605 65.590 65.574 65.558 65.542 65.527 65.512 65.501 65.494 65.490 65.489 65.492 65.499 65.509 65.520 65.532 65.544 65.556 65.568 65.580 65.592 65.604 65.616 65.628 65.640 65.651 65.663 65.675 65.684 65.692 65.698 65.702 65.704 65.704 65.703 65.700 65.697 65.695 65.692 65.689 65.687 65.684 65.681			
LME GROUND LEVELS	62.779 62.806 62.736 62.657 62.625 62.584 62.409 62.350 62.491 62.516 62.511 62.622 62.713 63.298 64.520 65.238 65.379 65.400 65.322 65.274 65.361 65.100 64.555 63.879 64.146 64.720 64.490 64.410 64.551 64.374 63.970 63.755 63.994 63.915 64.054 64.607 64.515 64.462 64.555 64.683 64.864 64.882 65.006 65.162 65.269 65.288 65.262 65.235 65.214 65.204 65.234 65.291 65.246 65.242 65.176 65.047 65.060 65.070 65.001 64.855 64.805 64.772 64.794 64.814 64.571 64.305 64.134 64.406 64.481 64.427 64.414 64.049 64.181 64.394 64.367 64.117 64.065 64.124 64.234			
RME GROUND LEVELS	62.834 62.845 62.688 62.675 62.625 62.593 62.520 62.496 62.522 62.545 62.528 62.977 63.845 64.549 65.158 65.399 65.478 65.543 65.569 65.566 65.547 65.504 65.380 65.157 65.109 65.038 65.225 65.035 64.846 64.837 64.978 64.954 64.954 64.846 64.770 64.838 64.838 65.150 65.392 65.256 65.189 65.266 65.376 65.423 65.382 65.356 65.307 65.300 65.324 65.320 65.332 65.346 65.368 65.392 65.332 65.324 65.403 65.398 65.267 65.231 65.275 65.237 65.128 65.164 65.251 65.279 65.260 65.256 65.242 65.215 65.207 65.175 65.041 65.027 64.968 64.794 64.571 64.440 64.256 64.134 64.445 64.442 64.431 64.400 64.369 64.362 64.371 64.371 64.353 64.338 64.358 64.216 64.124			
EX. ROAD LEVELS AT CROWN	65.295 65.290 65.313 65.341 65.391 65.439 65.487 65.533 65.568 65.586 65.597 65.567 65.521 65.466 65.427 65.399 65.410 65.457 65.493 65.521 65.562 65.611 65.618 65.672 65.661 65.617 65.599 65.574 65.551 65.508 65.448 65.392 65.392 65.350 65.349 65.353 65.340 65.338 65.312 65.291 65.304 65.307 65.300 65.304 65.320 65.332 65.346 65.368 65.392 65.403 65.398 65.398 65.351 65.378 65.363 65.355 65.419 65.440 65.444 65.445 65.442 65.431 65.400 65.369 65.362 65.371 65.371 65.353 65.338 65.352 65.358 65.281 65.341 65.703 65.687 65.684 65.697 65.695 65.692 65.689 65.687 65.684 65.700			
LEFT TOE LEVELS	62.875 62.929 62.969 62.895 62.879 62.987 62.993 62.999 62.814 62.798 62.872 62.784 62.805 63.212 62.948 62.558 62.687 63.107 63.198 63.342 63.645 63.565 63.530 63.469 63.509 63.620 63.774 64.094 64.250 64.083 63.973 63.905 64.139 64.054 63.930 64.116 62.758 62.884 63.841 63.865 63.746 63.909 64.261 64.512 64.502 64.361 64.598 64.306 63.934 63.577 63.709 64.265 64.036 63.897 63.668 63.632 63.614 63.683 63.511 63.563 63.836 64.067 64.215 64.492 64.477 64.419 64.260 64.134 64.027 64.321 64.293 64.431 64.400 64.369 64.362 64.371 64.371 64.353 64.338 64.358 64.216 64.124			
RIGHT TOE LEVELS	65.185 65.194 65.245 65.295 65.331 65.362 65.408 65.960 65.130 62.960 62.894 62.872 62.793 62.626 62.525 62.318 62.169 62.237 62.315 62.401 62.495 62.592 62.693 62.793 62.893 62.925 63.424 63.924 64.041 64.083 63.973 63.722 63.470 63.418 63.476 63.551 63.669 63.797 64.663 64.532 64.406 64.312 64.320 64.132 64.005 63.880 63.756 63.622 63.486 63.350 63.455 63.712 63.921 63.656 63.556 63.456 63.502 63.631 63.727 63.688 63.623 63.559 64.343 64.900 64.102 63.816 63.930 64.156 64.579 64.892 64.645 64.604 64.767 64.652 64.677 64.732 63.580 64.092 63.749 63.320 64.177			
HORIZONTAL ALIGNMENT		L=95.000m	æ L=96.989m	R=8000.000m L=368.895m
VERTICAL ALIGNMENT		G=0.121 L=206.038m	L=80.000m R=-28735.264m	L=154.877m G=-0.157	R=28924.421m L=80.000m	G=0.119 L=130.719m	L=80.000m R=-54779.001m	L=119.969m G=-0.027
SUPERELEVATION				Q=2.500 Q=2.500
CHAINAGE	295540.000 295550.000 295560.000 295570.000 295580.000 295590.000 295600.000 295610.000 295620.000 295630.000 295640.000 295650.000 295660.000 295670.000 295680.000 295690.000 295700.000 295710.000 295720.000 295730.000 295740.000 295750.000 295760.000 295770.000 295780.000 295790.000 295800.000 295810.000 295820.000 295830.000 295840.000 295850.000 295860.000 295870.000 295880.000 295890.000 295900.000 295910.000 295920.000 295930.000 295940.000 295950.000 295960.000 295970.000 295980.000 295990.000 296000.000 296010.000 296020.000 296030.000 296040.000 296050.000 296060.000 296070.000 296080.000 296090.000 296100.000 296110.000 296120.000 296130.000 296140.000 296150.000 296160.000 296170.000 296180.000 296190.000 296200.000 296210.000 296220.000 296230.000 296240.000 296250.000 296260.000 296270.000 296280.000 296290.000 296300.000 296310.000 296320.000 296330.000 296340.000			

R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	
Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill Chariali.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 295.540 to Km.296.340*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)

HOR 10 0 20 40

VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 22

DATE : REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.

LEGEND :

PLAN :

EXISTING

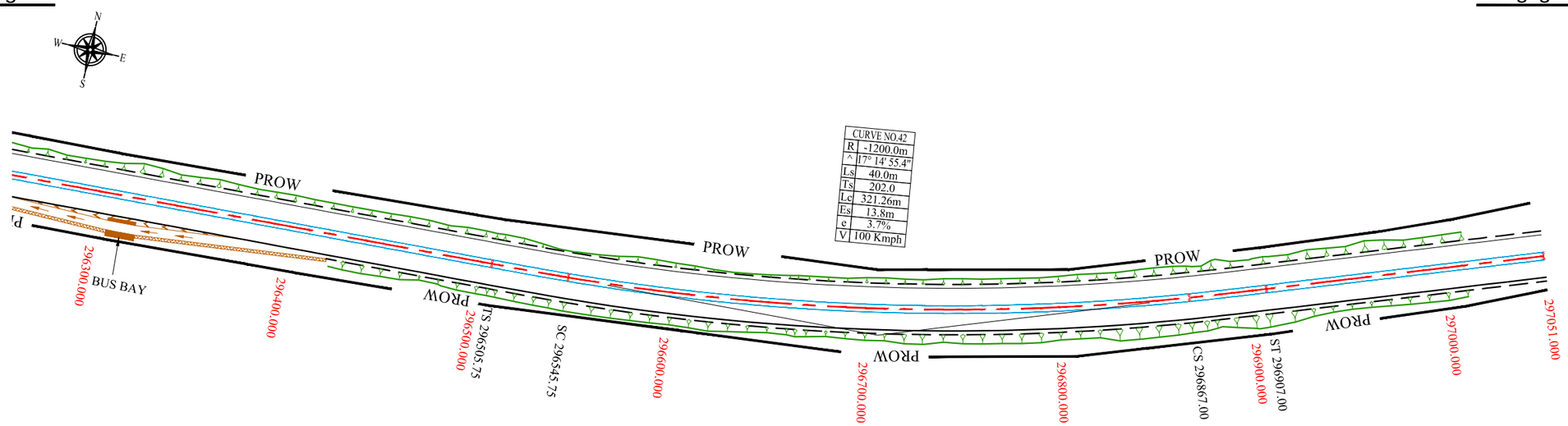
- EXIST. ROAD
- STRUCTURE
- POND
- RIVER
- CROSS ROAD
- EP — ELECTRIC POLE
- TP — TELEPHONE POLE
- TREE

PROPOSED

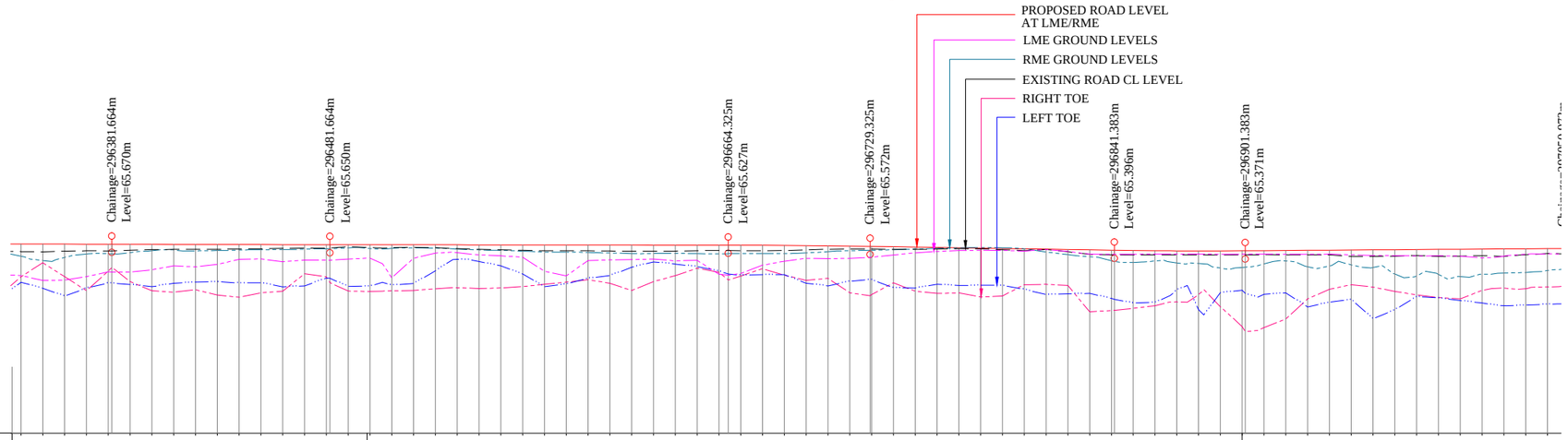
- TOE LINE
- SH EDGE
- C/W EDGE
- MEDIAN EDGE
- CEN.LINE
- MEDIAN EDGE
- C/W EDGE
- SH EDGE
- TOE LINE
- PROW — ROW
- PROW — REQD. ROW
- FOOTPATH
- TOE WALL
- MEDIAN RWALL
- CRASH BARRIER
- BOX CULVERT
- PIPE CULVERT
- BRIDGE
- HOR. TANGENT POINT
- TRAFFIC SIGN

PROFILE :

- LME/RME LEVEL
- LME GROUND LEVELS
- RME GROUND LEVELS
- EX. ROAD CENTRE
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT



CURVE NO.42	
R	-1200.0m
^	17° 14' 55.4"
Ls	40.0m
Ts	202.0
Lc	321.26m
Es	13.8m
e	3.7%
V	100 Kmph



Datum =57.000

TCS TYPE	TCS TYPE II	TCS TYPE V	TCS TYPE V	TCS TYPE V	TCS TYPE II
HORIZONTAL ALIGNMENT	℄ L=276.499m	L=40.000m	R=-1200.000m L=321.257m	L=40.000m	℄ L=143.968m
VERTICAL ALIGNMENT	R=696809.111m L=100.000m	L=182.661m G=-0.013	L=65.000m R=-44993.843m	L=112.058m G=-0.157	R=26116.888m L=60.000m	G=0.073 L=149.590m
SUPERELEVATION		Q=3.700	Q=3.700		Q=2.500 Q=2.500

CHAINAGE	PROPOSED ROAD LEVELS AT LME/RME	LME GROUND LEVELS	RME GROUND LEVELS	EX. ROAD LEVELS AT CROWN	LEFT TOE LEVELS	RIGHT TOE LEVELS
296340.000	65.681	64.234	65.124	65.334	63.927	64.177
296350.000	65.678	64.006	64.928	65.322	63.646	64.819
296360.000	65.676	64.023	65.065	65.351	63.290	64.185
296370.000	65.673	64.181	65.220	65.370	63.659	63.541
296380.000	65.670	64.402	65.234	65.366	63.895	64.435
296390.000	65.668	64.394	65.290	65.397	63.827	63.961
296400.000	65.665	64.496	65.378	65.430	63.721	63.538
296410.000	65.663	64.680	65.408	65.436	63.880	63.469
296420.000	65.661	64.635	65.366	65.439	63.934	63.585
296430.000	65.659	64.749	65.379	65.444	63.950	63.338
296440.000	65.657	64.975	65.402	65.449	63.893	63.240
296450.000	65.655	65.000	65.419	65.465	63.902	63.442
296460.000	65.653	64.871	65.428	65.487	63.717	63.521
296470.000	65.652	64.945	65.444	65.490	63.763	64.318
296480.000	65.650	64.940	65.466	65.498	64.116	64.171
296490.000	65.649	64.994	65.506	65.553	63.740	63.522
296500.000	65.648	65.034	65.475	65.527	63.750	63.503
296510.000	65.647	65.127	65.479	65.510	63.797	63.534
296520.000	65.645	65.026	65.492	65.507	63.869	63.551
296530.000	65.644	65.264	65.448	65.511	64.447	63.621
296540.000	65.643	65.284	65.413	65.470	64.979	63.675
296550.000	65.642	65.186	65.389	65.436	64.873	63.631
296560.000	65.640	65.139	65.351	65.419	64.679	63.665
296570.000	65.639	65.074	65.314	65.393	64.302	63.725
296580.000	65.638	64.434	65.373	65.373	63.726	63.833
296590.000	65.637	64.216	65.311	65.370	63.847	63.933
296600.000	65.635	64.923	65.295	65.357	64.106	64.044
296610.000	65.634	64.955	65.272	65.357	64.230	63.879
296620.000	65.633	64.964	65.245	65.353	64.611	63.550
296630.000	65.632	64.990	65.246	65.351	64.859	63.953
296640.000	65.630	64.909	65.255	65.356	64.761	64.229
296650.000	65.629	64.934	65.277	65.377	64.646	64.570
296660.000	65.628	64.298	65.233	65.384	64.440	64.381
296670.000	65.626	64.334	65.243	65.375	64.249	64.213
296680.000	65.623	64.709	65.241	65.370	64.274	64.551
296690.000	65.617	64.891	65.245	65.381	64.277	64.252
296700.000	65.609	65.027	65.277	65.411	63.879	64.012
296710.000	65.598	65.022	65.331	65.443	63.762	64.106
296720.000	65.586	65.077	65.374	65.452	63.972	63.444
296730.000	65.571	65.174	65.392	65.448	64.042	63.357
296740.000	65.555	65.279	65.421	65.440	63.676	63.900
296750.000	65.540	65.449	65.439	65.446	63.659	63.515
296760.000	65.524	65.341	65.481	65.446	63.831	63.414
296770.000	65.508	65.504	65.468	65.461	63.775	63.436
296780.000	65.493	65.392	65.518	65.422	63.787	63.248
296790.000	65.477	65.387	65.510	65.374	63.784	63.294
296800.000	65.461	65.354	65.462	65.374	63.600	63.816
296810.000	65.445	65.431	65.318	65.431	63.362	63.833
296820.000	65.430	65.338	65.193	65.325	63.397	63.775
296830.000	65.414	65.214	65.096	65.203	63.415	62.571
296840.000	65.398	65.212	64.912	65.191	63.182	62.628
296850.000	65.384	65.212	64.837	65.181	62.973	62.730
296860.000	65.374	65.223	64.901	65.183	63.002	62.847
296870.000	65.367	65.220	64.814	65.189	63.578	63.027
296880.000	65.364	65.223	64.788	65.185	62.665	63.362
296890.000	65.365	65.209	64.575	65.179	63.445	62.803
296900.000	65.370	65.214	64.605	65.182	63.560	61.890
296910.000	65.377	65.224	64.768	65.193	63.372	61.843
296920.000	65.384	65.212	64.905	65.191	63.436	62.244
296930.000	65.392	65.206	64.642	65.187	62.795	63.161
296940.000	65.399	65.216	64.672	65.191	63.008	63.606
296950.000	65.406	65.186	64.727	65.136	63.248	63.811
296960.000	65.413	65.153	64.605	65.115	63.107	63.704
296970.000	65.421	65.147	64.303	65.125	62.665	63.507
296980.000	65.428	65.133	64.221	65.158	63.273	63.344
296990.000	65.435	65.141	64.290	65.109	63.205	63.223
297000.000	65.443	65.126	64.189	65.122	63.084	63.165
297010.000	65.450	65.042	64.294	65.148	62.973	63.554
297020.000	65.457	65.125	64.347	65.109	62.849	63.656
297030.000	65.464	65.215	64.369	65.190	62.876	63.634
297040.000	65.472	65.231	64.466	65.242	62.916	63.712
297050.000						

Rev No	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
R2		OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R1	June'17	OBSERVATION MEET UP AS PER AUTHORITIES ENGINEER				
R0	Mar'17	FIRST SUBMISSION	S.D.	N.K	J.K.S.	

Client : NHIDCL — BUILDING INFRASTRUCTURE - BUILDING THE NATION

Authority Engineer :
STUP Consultant Pvt. Ltd
in association with M/s AYOLEEZA Consultants Pvt. Ltd
Fauzdaripatty,Kirtan Ghar Path,Kathmill Charial.House No 108,
NH-37,Nagaon,Assam,Pin 782001

EPC Contractor :
TK Engineering Consortium Pvt. Ltd
Model Village,
Naharlagun -791110
Papum Pare District,
Arunachal Pradesh

Design Director :
Er. P.V.S.R. Keerti

Proof Consultant :
Alliance Engineers and Consultants
1st floor , TKD Aloy
Opp SBI Chandmari
MRD Road , Guwahati , Assam

"Four Laning of NH-37 from end of Nagaon Bypass to Rangagara (CH: 278.600 KM to CH:297.000 KM) in Nagaon District in the State of Assam under SARDP-NE, Phase A on EPC Mode"

Plan & Longitudinal Profile

From:- *Km. 296.340 to Km.297.045*

Scale - (Horz. 1:2500 & Vert. 1:250) A3 Sheet)

HOR 10 0 20 40

VER 1 0 2 4

Drg No. : TK/ NGN-RNG / HW / P&P/ 23

DATE :

REVISION: R2

DESIGNED	DRAWN	CHECKED
S.D	N.K	J.K.S.