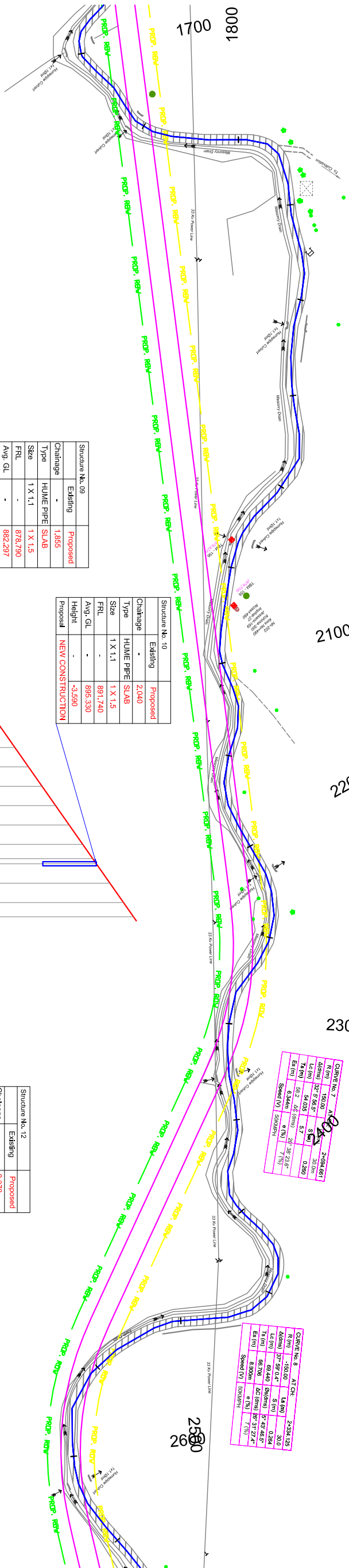


To Imphal

To Nagaland



Structure No. 08	Existing	Proposed
Chainage	-	1.650
Type	HUME PIPE	SLAB
Size	1 X 1.1	1 X 1.5
FRL	-	864.440
Avg. GL	-	863.597
Height	-	0.843
Proposal		RECONSTRUCTION

Structure No. 09	Existing	Proposed
Chainage	-	1.855
Type	HUME PIPE	SLAB
Size	1 X 1.1	1 X 1.5
FRL	-	878.790
Avg. GL	-	882.297
Height	-	-3.507
Proposal		NEW CONSTRUCTION

Structure No. 10	Existing	Proposed
Chainage	-	2.040
Type	HUME PIPE	SLAB
Size	1 X 1.1	1 X 1.5
FRL	-	891.740
Avg. GL	-	895.330
Height	-	-3.590
Proposal		NEW CONSTRUCTION

Structure No. 11	Existing	Proposed
Chainage	-	2.140
Type	HUME PIPE	SLAB
Size	1 X 1.1	1 X 1.5
FRL	-	898.740
Avg. GL	-	900.600
Height	-	-1.860
Proposal		RECONSTRUCTION

Structure No. 12	Existing	Proposed
Chainage	-	2.370
Type	HUME PIPE	SLAB
Size	1 X 1.1	1 X 1.5
FRL	-	914.840
Avg. GL	-	920.195
Height	-	-5.355
Proposal		RECONSTRUCTION

Curve No. 7	Radius (m)	Length (m)	Grade (%)	Speed (km/h)
1	140.00	57.5	5.7	50
2	54.00	5.7	5.7	50
3	54.00	5.7	5.7	50
4	54.00	5.7	5.7	50
5	54.00	5.7	5.7	50
6	54.00	5.7	5.7	50
7	54.00	5.7	5.7	50
8	54.00	5.7	5.7	50
9	54.00	5.7	5.7	50
10	54.00	5.7	5.7	50

Curve No. 8	Radius (m)	Length (m)	Grade (%)	Speed (km/h)
1	150.00	57.5	5.7	50
2	54.00	5.7	5.7	50
3	54.00	5.7	5.7	50
4	54.00	5.7	5.7	50
5	54.00	5.7	5.7	50
6	54.00	5.7	5.7	50
7	54.00	5.7	5.7	50
8	54.00	5.7	5.7	50
9	54.00	5.7	5.7	50
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Datum =857.000

Datum =891.000

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DESIGN CONSULTANTS:

Logo

S.M. CONSULTANTS

Balesore / Bhubaneswar / Secunderabad / New Delhi / South Andaman

Web : <http://www.smindia.com> , email : support@smindia.com

DATE

DESCRIPTION

PREPARED BY

CHKD BY

APPD BY

S.K.S

B.G.P

Issued By

Date

Rev. No.

00

CLIENT :

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.

Project Consultancy Services for Feasibility Study, Preparation of Detailed Project Report and Providing Pre-Construction Services in respect of Two Laning With Paved Shoulder Of Yamungapokhri-Finch Corner Road On NH-202 On Engineering, Procurement and Construction Mode in the State Of Manipur.

SCALE

H:Scale-1:1500
V:Scale-1:150

TITLE :

PLAN & PROFILE
CH-I/(600 to 2400K.M)

DRAWING NO. :-

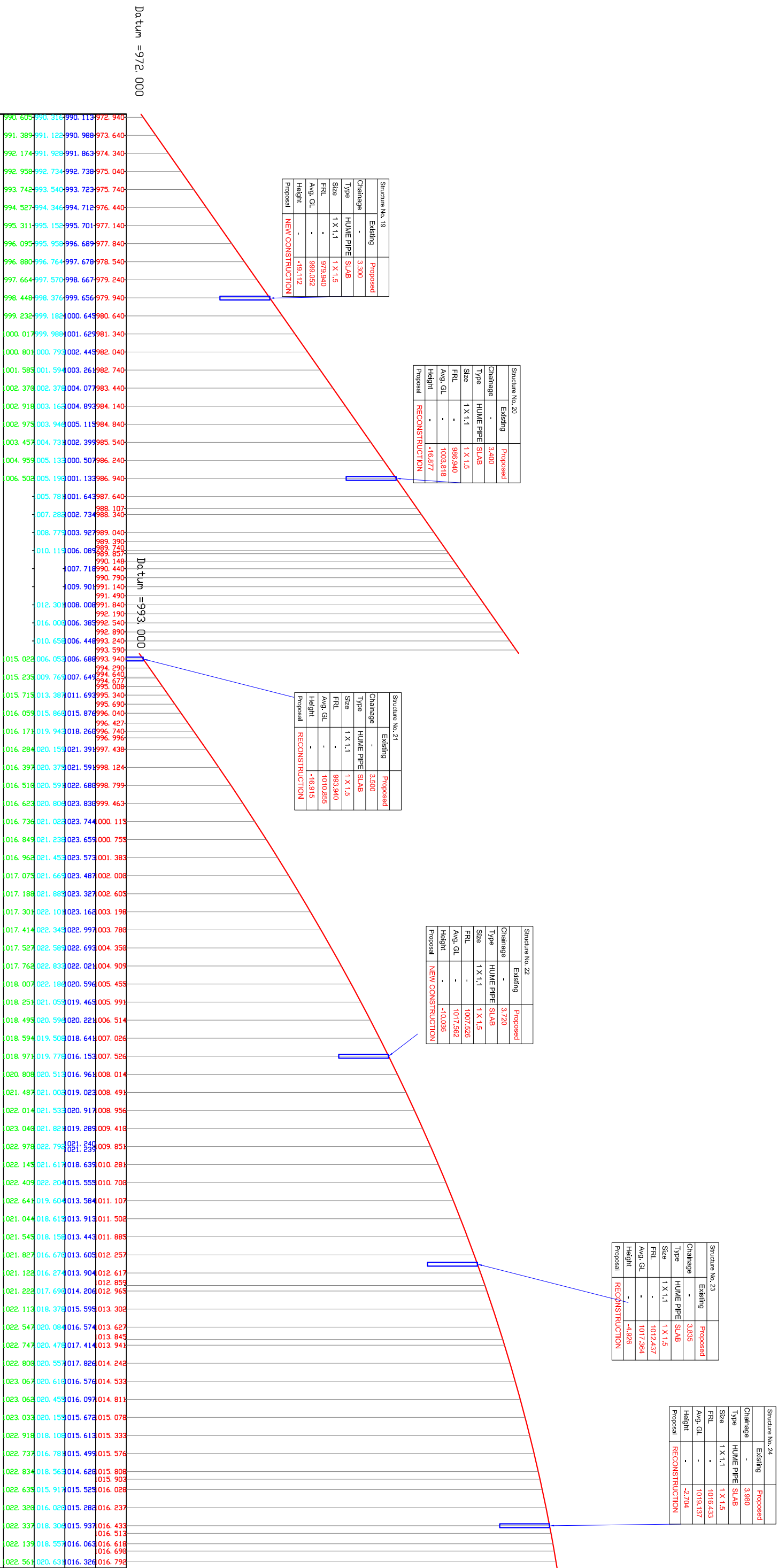
SMCHHWA/ANP/R2222

SHEET

SIZE

A3

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Structure No. 20			
	Existing	Proposed	
Changeage	-	3,400	
Type	HUME PIPE	SLAB	
Size	1 X 1.1	1 X 1.5	
FRL	-	986,940	
Avg. GL	-	1003,818	
Height	-	16,877	
Proposal	RECONSTRUCTION		

Structure No. 19	
Existing	Proposed
Chaining	3,300
Type	HUME PIPE SLAB
Size	1 X 1.5
FRL	979,940
Avg. GL	989,052
Height	-
Proposal	NEW CONSTRUCTION

Structure No. 21		
	Existing	Proposed
Chainage	-	3,500
Type	HUME PIPE	SLAB
Size	1 X 1.1	1 X 1.5
FRL	-	993.940
Avg. GL	-	1010.855
Height	-	-16.915
Proposal	RECONSTRUCTION	

Structure No. 22	Existing	Proposed
	Chainage Type Size FRL Avg. G.L Height Proposal	- HUME PIPE 1 X 1.1 1 X 1.5 1007.526 1017.562 - -10.036 NEW CONSTRUCTION

Structure No. 23		
	Existing	Proposed
Chainage	-	3.835
Type	HUME PIPE	SLAB
Size	1 X 1.1	1 X 1.5
FRL	-	1012.437
Avg. GL	-	1011.364
Height	-	4.926
Proposal		RECONSTRUCTION

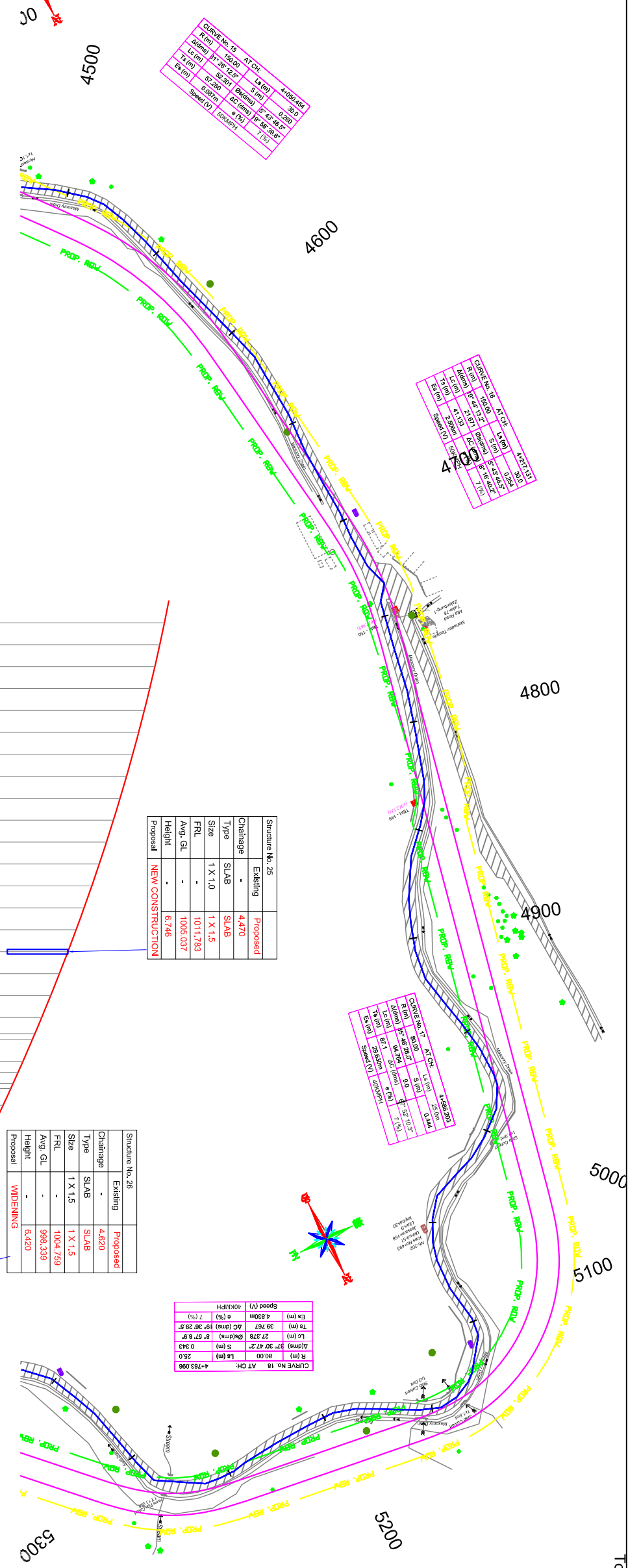
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	Existing	Proposed
Chainage	-	3,980
Type	HUME PIPE	SLAB
Size	1 X 1.1	1 X 1.5
FRL	-	1016.433
Avg. GL	-	1019.137
Height	-	-2.704
Proposal	RECONSTRUCTION	

S.M. CONSULTANTS					
DESIGN CONSULTANTS:					
					
Balsore / Bhubaneswar / Secunderabad / New Delhi / South Andaman					
Web : http://www.smdnda.com , e-mail: support@smdnda.com					
DATE	DESCRIPTION	PREP	CHK.	APPD.	
REVISIONS					
Prep. By :	Chk. By :	Issued By :	Date	Rev. No.	
S.K.S	B.B.P		Sep-2019	00	

CLIENT : NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. 	SCALE	
	H.Scale-1:1500	
	V.Scale-1:150	
PROJECT/Consultancy Services for Carrying out Feasibility Study, Preparation of Detailed Project Report Providing Pre-Construction Services in respect of Two Laning With Paved Shoulder Of Yainigangokhpi-Finch Corner Road On NH-202 On Engineering, Procurement and Construction Made in the State Of Manipur.	TITLE :	
	PLAN & PROFILE Ch-(3/200 to 4/000KM)	
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To Imphal

To Nagaland

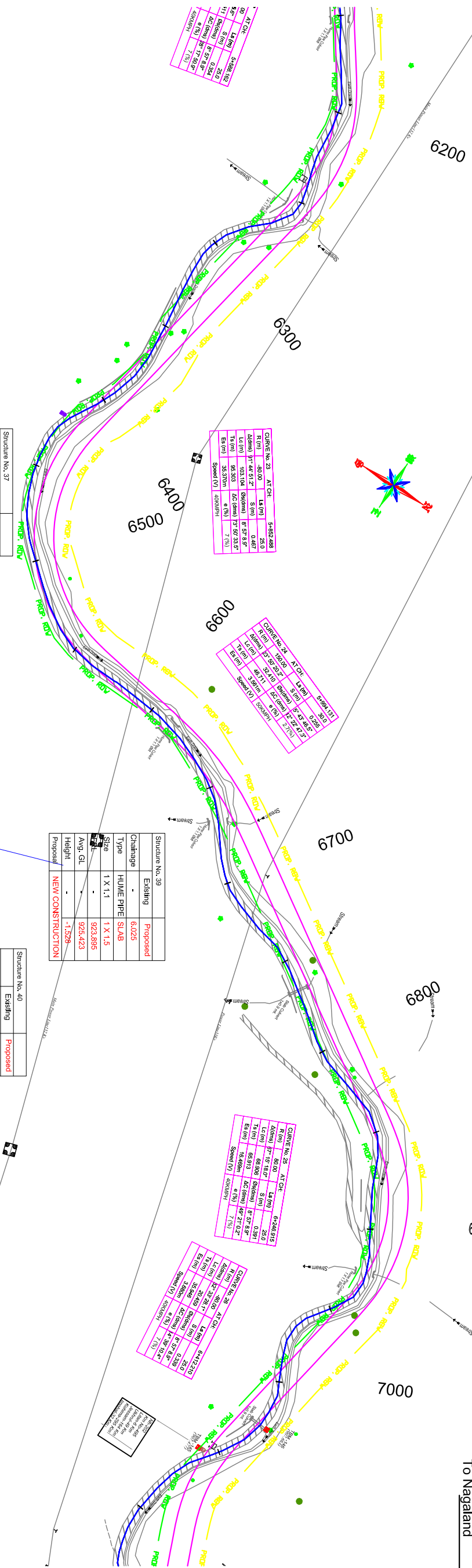


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DESIGN CONSULTANTS :										CLIENT :										SCALE										TITLE :																																							
S.M. CONSULTANTS Balasore / Bhubaneswar / Secunderabad / New Delhi / South Andaman Web : http:// www.smcdra.com , e-mail: support@smcdra.com										NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.										H.Scale:-1:500										PLAN & PROFILE CH-4(000 to 4/800KM)																																							
PROJECT Consultancy Services for Carrying out Feasibility Study, Preparation of Detailed Project Report and Providing Pre-Construction Services in respect of Two Laning With Paved Shoulder Of Yamangpokhi- Finch Corner Road On NH-202 On Engineering, Procurement and Construction Mode in the State Of Manipur.																				V.Scale:-1:50										DRAWING NO :- SMCHGHWY/MAANP/UR2222/ Dwg.																																							
PREP. CHK. APPD.										S.K.S										B.B.P										Issued By										Date										Rev. No.																			
DATE										R E V I S I O N S										PREP. BY										CHK. BY										Issued By										Date										Rev. No.									

To Imphal

To Nagaland



Datum =921. 000

Datum =904. 000

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DESIGN CONSULTANTS:

SM CONSULTANTS

Balesore, Bhubaneswar / Secunderabad / New Delhi / South Andaman
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Date

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DATE

DESCRIPTION

PREP

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S.K.S

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Date

Rev. No

CLIENT :

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.

PROJECT Constancy Services for Carrying out Feasibility Study, Preparation of Detailed Project Report and Providing Pre-Construction Services in respect of Two Laning With Paved Shoulder Of Yamgangpope- Finch Corner Road On NH- 202 On Engineering, Procurement and Construction Made in the State Of Manipur.

SCALE

H:Scale-1:1500
V:Scale-1:150

TITLE :

PLAN & PROFILE
CH-(5/600 to 6/400K.M)

DRAWING NO :-

SMCHHWA/ANP/R2222

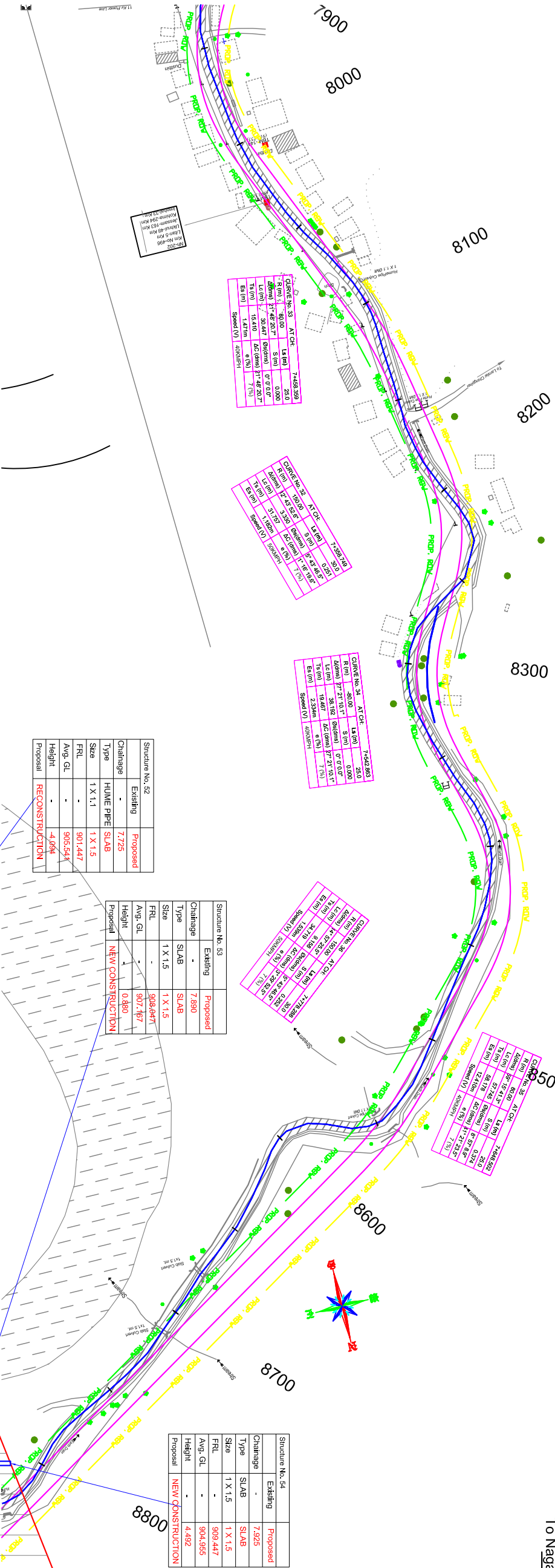
SIZE

A3

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To Imphal

To Nagaland



Datum =887, 000

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890.703	891.478	894.257	890.786
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887.947	890.993	891.668	891.282
887.239	889.261	891.725	891.560
888.491	890.712	892.154	891.858
889.658	892.440	892.532	892.176
892.837	892.607	894.216	892.514
892.873	892.740	895.178	892.872
893.218	894.337	896.723	893.059
893.931	896.066	898.137	893.647
894.096	895.685	898.567	894.047
894.604	897.010	898.699	894.447
894.471	895.668	897.907	894.911
893.364	896.042	898.023	895.079
893.910	896.388	898.045	895.447
893.996	895.152	898.978	895.911
893.637	895.775	901.613	896.447
893.006	895.851	900.429	896.847
893.387	896.565	902.620	897.247
895.880	897.493	905.926	897.647
897.148	898.375	907.647	898.047
897.645	899.742	907.970	898.447
898.504	900.517	908.586	898.847
898.785	902.756	911.470	899.247
899.547	904.450	913.304	899.647
900.233	904.991	912.900	900.047
900.120	904.457	912.164	900.447
899.860	903.058	911.896	900.847
899.364	902.051	912.294	901.247
899.858	902.691	911.717	901.647
899.842	901.558	909.572	902.047
900.528	901.220	907.327	902.447
900.765	901.950	907.512	902.847
900.298	901.363	906.600	903.247
901.020	901.522	904.006	903.647
901.564	903.089	904.975	904.047
903.748	905.160	905.626	904.447
907.131	907.438	907.841	904.847
907.133			904.962
908.904	909.813	908.780	905.247
910.121	911.638	909.150	905.647
909.353	912.000	909.576	906.047
908.280	912.081	910.001	906.447
907.069	911.680	910.426	906.847
905.707	911.203	910.852	907.247
903.554	909.647	911.277	907.647
902.631	907.352	911.703	908.047
902.087	907.433	911.494	908.447
903.880	906.989	910.213	908.847
901.804	903.866	908.439	909.247
901.834	904.501	908.106	909.647
901.841	903.937	908.319	910.047
901.958	904.196	908.071	910.447
902.230	903.044	909.340	910.847
902.428	904.128	912.621	911.247
902.933	906.744	915.791	911.647
903.541	909.585	917.959	912.047
904.168	910.252	920.030	912.447

To Imphal

To Nagaland

Structure No. 55		
Chainage	Existing	Proposed
Type	-	8.040
Size	HUME PIPE	SLAB
FRL	1 X 1.1	1 X 1.5
Avg. GL	-	914.047
Height	-	912.180
Proposal	RECONSTRUCTION	1.868

Structure No. 56		
Chainage	Existing	Proposed
Type	-	8.125
Size	HUME PIPE	SLAB
FRL	1 X 1.1	1 X 1.5
Avg. GL	-	917.447
Height	-	920.147
Proposal	NEW CONSTRUCTION	-11.700

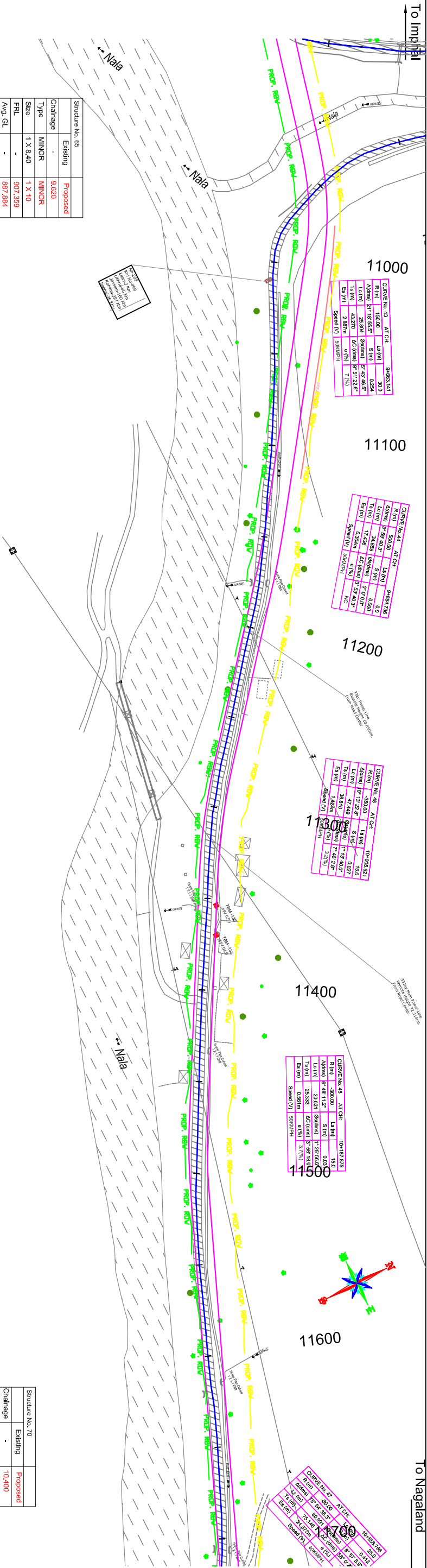
Structure No. 57		
Chainage	Existing	Proposed
Type	-	8.340
Size	HUME PIPE	SLAB
FRL	1 X 1.1	1 X 1.5
Avg. GL	-	926.047
Height	-	917.236
Proposal	NEW CONSTRUCTION	8.811

Structure No. 58		
Chainage	Existing	Proposed
Type	-	8.550
Size	MINOR	MINOR
FRL	1 X 11.4	1 X 10.0
Avg. GL	-	932.219
Height	-	897.961
Proposal	NEW CONSTRUCTION	34.259

904.168	910.252	920.030	912.447
904.778	909.200	920.234	912.847
903.871	906.390	917.929	913.247
903.120	906.356	915.989	913.647
905.907	906.838	918.452	914.047
906.900	910.454	919.852	914.447
913.276	915.374	921.372	914.847
918.215	921.925	924.723	915.247
923.737	925.879	927.367	915.510
930.646	931.844	929.944	916.047
931.133	930.460	932.390	916.447
929.876	929.686	932.842	916.710
928.052	929.118	932.313	917.247
926.312	928.764	931.982	917.647
925.396	928.623	931.851	918.047
925.009	928.698	931.921	918.447
923.063	928.635	932.191	918.847
923.495	925.844	932.661	919.247
918.152	925.976	931.389	919.647
917.863	920.902	930.329	920.047
915.982	918.267	926.304	920.447
915.374	917.798	925.736	920.847
916.907	917.931	927.399	921.012
917.868	921.503	929.488	921.247
918.153	925.474	932.021	922.047
918.188	925.474	932.021	922.212
926.582	930.056	935.053	922.447
933.192	934.869	935.037	922.847
930.449	932.342	933.778	923.247
927.897	930.324	932.718	923.647
925.355	928.305	931.657	924.047
920.770	926.286	930.597	924.447
915.569	923.526	929.537	924.847
912.430	921.591	928.477	925.247
911.960	918.806	925.904	925.647
911.327	914.857	923.145	926.047
914.357	919.785	924.753	926.447
918.963	923.195	928.366	926.847
923.305	926.242	930.282	927.247
923.520	927.461	929.444	927.642
924.640	926.828	927.848	928.023
924.212	925.208	922.228	928.391
922.592	923.614	915.541	928.744
920.972	918.646	908.853	929.083
919.380	911.964	898.388	929.279
918.750	905.498	898.418	929.870
910.399	897.843	898.178	930.017
906.574	897.583	897.880	930.160
904.506	897.274		930.300
904.329	896.918		930.463
909.849			930.569
909.570			930.699
903.786	898.061		930.825
901.639	901.723		930.947
900.874	900.932	899.815	931.066
900.480	900.795	900.467	931.181
898.172	897.170	897.749	931.293
899.059	895.927	899.491	931.401
902.209	901.461	904.079	931.506
902.624	904.080	909.137	931.608
903.080	907.761	915.293	931.706
906.561	910.953	918.829	931.800
912.151	917.446	924.325	931.891
917.240	923.883	930.639	931.978
922.309	929.134	935.784	932.062
927.173	933.900	937.289	932.141
930.778	936.225	938.794	932.215
933.786	937.730	940.299	932.293
934.541	938.730	941.804	932.362
935.296	939.366	943.309	932.429
936.050	940.003	944.814	932.492
936.805	940.639	946.319	932.551
937.188	941.276	947.824	932.607
935.589	941.912	948.871	932.658
930.847	941.310	949.508	932.705
927.778	937.657	948.155	932.708
925.800	934.409	945.385	932.795
926.471	936.300	946.312	932.869
929.199	936.723	944.006	932.928
930.818	937.983	942.255	932.936
936.621	938.105	941.206	933.004
936.092	938.275	940.905	933.022

Datum =894.000

				DESIGN CONSULTANTS:				CLIENT :				SCALE				TITLE :			
MKO				 S.M. CONSULTANTS Bhubaneswar / Secunderabad / New Delhi / South Andaman Web : http://www.smindia.com , email : support@smindia.com				 NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.				H.Scale-1:1500				PLAN & PROFILE CH-(8/000 to 8/800K.M)			
DATE				DESCRIPTION				PREP CHK APPD				V.Scale-1:150				DRAWING NO :- SMCHHWA/VAN/PUR/2222			
REVISONS				S.K.S				B&P				00				Dwg.			
				Prep. By				Cnk. By				Issued By				DATE			
				Rev. No.															



Structure No. 65	
Existing	Proposed
Chainage	9.620
Type	MINOR
Size	1 X 8.40
FRL	907.359
Avg. GL	887.884
Height	19.476
Proposal	NEW CONSTRUCTION

Structure No. 66	
Existing	Proposed
Chainage	-
Type	HUME PIPE SLAB
Size	1 X 1.1
FRL	899.794
Avg. GL	895.518
Height	4.276
Proposal	RECONSTRUCTION

Structure No. 67	
Existing	Proposed
Chainage	-
Type	HUME PIPE SLAB
Size	1 X 1.1
FRL	896.780
Avg. GL	893.413
Height	2.285
Proposal	RECONSTRUCTION

Structure No. 68	
Existing	Proposed
Chainage	-
Type	HUME PIPE SLAB
Size	1 X 1.1
FRL	894.833
Avg. GL	893.413
Height	1.420
Proposal	RECONSTRUCTION

Structure No. 69	
Existing	Proposed
Chainage	-
Type	HUME PIPE SLAB
Size	1 X 1.1
FRL	893.962
Avg. GL	891.591
Height	2.371
Proposal	RECONSTRUCTION

Structure No. 70	
Existing	Proposed
Chainage	-
Type	HUME PIPE SLAB
Size	1 X 1.1
FRL	894.486
Avg. GL	894.401
Height	0.085
Proposal	RECONSTRUCTION

893.304	889.975	890.645	907.959
889.547	887.317	889.421	907.659
884.476	888.756	891.291	907.359
883.529	889.846	892.277	907.059
888.171	894.199	896.120	906.759
890.560	897.405	897.090	906.459
896.111	898.115	900.215	906.159
897.190	903.653	909.225	905.859
900.435	909.775	917.672	905.559
904.055	913.597	921.529	905.259
902.741	913.510	923.800	904.959
901.348	913.487	923.551	904.659
902.502	911.740	923.122	904.359
898.157	909.812	922.829	904.059
897.071	908.584	921.918	903.759
895.990	907.687	922.278	903.459
896.143	906.737	920.213	903.159
895.105	904.831	916.732	902.859
895.425	903.126	912.577	902.559
893.864	898.598	909.201	902.259
894.139	897.019	907.023	901.959
893.878	895.461	904.402	901.659
893.835	894.625	902.833	901.359
893.378	894.583	902.174	901.059
893.281	894.900	902.421	900.759
892.902	894.168	900.843	900.459
892.932	893.680	899.370	900.159
892.386	892.815	898.650	899.859
892.228	892.850	896.792	899.562
892.522	893.237	895.923	899.273
891.100	893.207	895.030	898.992
891.596	893.545	894.774	898.719
893.250	894.114	895.078	898.455
890.569	894.100	894.887	898.199
892.017	894.201	894.814	897.952
890.493	894.411	894.931	897.713
891.335	894.661	895.534	897.482
893.635	894.900	896.686	897.250
894.004	895.186	897.221	897.045
894.048	895.297	897.015	896.840
895.264	895.070	895.920	896.642
894.481	895.002	896.513	896.453
894.223	894.779	895.971	896.272
894.445	894.566	895.594	896.111
894.121	894.376	894.880	895.936
892.843	894.250	894.147	895.780
892.662	894.253	894.588	895.632
893.136	893.918	895.104	895.493
894.112	894.365	895.138	895.362
894.139	894.389	895.191	895.240
893.836	893.980	894.743	895.126
893.467	893.868	894.728	895.020
893.094	893.642	894.654	894.923
893.021	893.817	893.805	894.833
892.982	893.435	893.712	894.753
893.533	893.675	894.001	894.680
893.652	894.255	894.324	894.616
894.104	894.374	894.657	894.560
894.167	894.592	894.960	894.510
893.551	894.624	895.302	894.460
894.173	894.634	895.760	894.410
893.126	895.332	896.486	894.360
892.917	895.366	897.326	894.310
892.789	895.394	898.306	894.260
893.505	896.062	899.561	894.210
894.570	895.311	899.882	894.160
894.627	895.482	901.695	894.110
893.520	895.307	900.366	894.060
890.394	894.926	900.458	894.016
890.369	895.125	897.950	893.985
891.697	893.149	894.730	893.966
889.454	892.798	893.727	893.960
890.051	892.564	894.897	893.966
890.638	893.039	896.365	893.985
890.739	893.005	895.507	894.016
889.102	892.888	896.130	894.060
890.337	892.811	897.561	894.116
891.455	893.396	898.676	894.185
891.478	893.967	899.406	894.266
890.621	892.634	899.150	894.360
890.883	892.733	897.919	894.466

Datum =884.000

DESIGN CONSULTANTS:

Logo

S.M. CONSULTANTS
Bhubaneswar / Secunderabad / New Delhi / South Andaman
Web : <http://www.smindia.com> , e-mail : support@smindia.com

Prep. By

Chk. By

Issued By

Date

Rev. No.

DATE

DESCRIPTION

PREP CHK APPD

S.K.S

B.R.P

Sept-2019

00

CLIENT :

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.

PROJECT Constancy Services for Feasibility Study, Preparation of Detailed Project Report and Providing Pre-Construction Services in respect of Two Lining With Paved Shoulder Of Yamgangpoh- Finch Corner Road On NH- 202 On Engineering, Procurement and Construction Made in the State Of Manipur.

H.Scale-1:1500

V.Scale-1:150

SCALE

TITLE :

PLAN & PROFILE
Ch-(9/600 to 10/400KM)

DRAWING NO :-

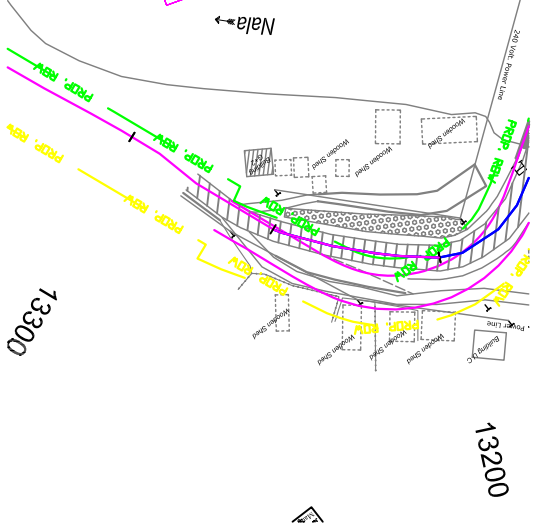
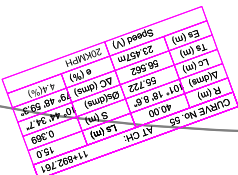
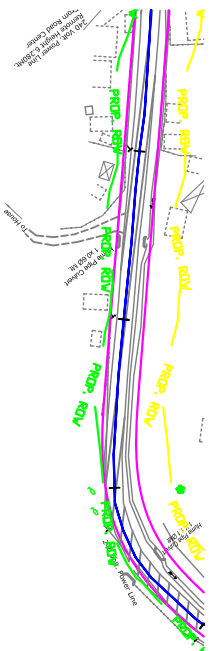
SMCHHWA/ANP/R/2222/

SHEET

SIZE

A3

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Structure No. 14		
	Existing	Proposed
Chairage	-	11,260
Type	HUME PIPE	SLAB
Size	1 X 0.6	1 X 1.5
FRL	-	909.385
Avg. GL	-	908.974
Height	-	0.412
Proposal	RECONSTRUCTION	

Structure No. 75		
	Existing	Proposed
Chainage	-	11.350
Type	HUME PIPE	SLAB
Size	1 X 1.1	1 X 1.5
FRL	-	908.478
Avg. GL	-	910.864
Height	-	-2.385
Proposal		RECONSTRUCTION

Structure No. 76		
	Existing	Proposed
Chimney	-	11,465
Type	HUME PIPE	SLAB
Size	1 X 1.1	1 X 1.5
FRL	-	906,966
Avg. GL	-	906,871
Height	-	0,095
Proposal	RECONSTRUCTION	

Structure No. 77		
	Existing	Proposed
Chainage	-	11.580
Type	-	SLAB
Size	-	1 X 1.5
FRL	-	904.202
Avg. GL	-	904.582
Height	-	-0.380
Proposal	NEW CONSTRUCTION	

Structure No. 78		
	Existing	Proposed
Chainage	-	11.665
Type	HUME PIPE	SLAB
Size	1 X 1.1	1 X 1.5
FRL	-	902.156
Avg. GL	-	901.499
Height	-	0.628
Proposal	RECONSTRUCTION	

Structure No. 79		
	Existing	Proposed
Chamagne	-	11,810
Type	MINOR	MINOR
Size	1 X 50.0	1 X 50.0
FRL	-	901.434
Avg. GL	-	894.989
Height	-	6.445
Proposal	RETAIN	

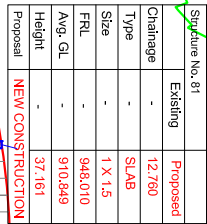
The diagram illustrates a cross-section of a road and drainage system. The road surface is shown with a centerline and shoulders. The drainage ditch is labeled 'NEW CONSTRUCTION' and 'RECONSTRUCTION'. The diagram includes elevation data for the road surface, ditch bottom, and existing structures. A table on the right provides details for the drainage structure, including its size, type, and proposed elevation.

Proposal	Size	1 X 1.1	1 X 1.5
	FRL	902.126	
	Avg. GL	901.499	
	Height	-	0.628

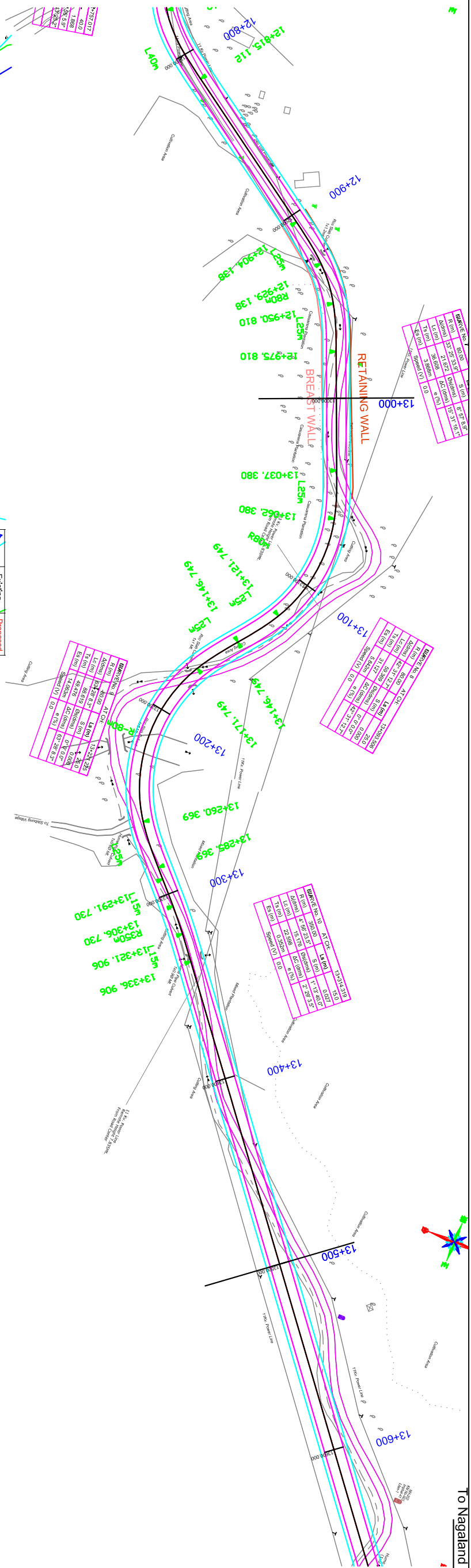
Structure No. 79	Existing	Proposed
Chinage	-	11.810
Type	MINOR	MINOR
Size	1 X 50.0	1 X 50.0
FRL	901.434	894.389
Avg. GL	-	844.5
Height	-	6.445

Datum = 889.000

DESIGN CONSULTANTS :										CLIENT :																													
S.M. CONSULTANTS Balasore / Bhubaneswar / Secunderabad / New Delhi / South Andaman Web : http://www.smcindia.com , e-mail: support@smcindia.com										NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.																													
PROJECT CONSULTANCY SERVICES FOR CARRYING OUT FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PIR FOR PRE-CONSTRUCTION SERVICES IN RESPECT OF TWO LANE WITH PAVED SHOULDER OF VAIJANGPARKH- F ROAD ON NH- 202 ON ENGINEERING, PROCUREMENT AND CONSTRUCTION MODE IN THE STATE OF MADHIA																																							
Prep. By S.K.S					Chk. By B.B.P					Issued By					Date					Rev. No. 00																			
REVISIONS										PREP.										CHK.										APPD.									
DATE																																							
MMD																																							



DESIGN CONSULTANTS:		 S.M. CONSULTANTS Balasore / Bhubaneswar / Secunderabad / New Delhi / South Andaman Web : http://www.smcdra.com , e-mail: support@smcdra.com Prep. By: <u>Chk. By</u> Issued By: <u>Date</u> Rev. No.	
CLIENT :		NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. PROJECT : Consultancy Services for Carrying out Feasibility Study, Preparation of Detailed Project Report and Providing Pre- Construction Services in respect of Two Laning With Paved Shoulder Or Fly Over at Gangapokop- Frinch Corner Border Road on NH-202 On Engineering, Procurement and Construction Mode in the State Of Manipur.	
SCALE		H. Scale :- 1:1500 V. Scale :- 1:150	
TITLE:		PLAN & PROFILE Ch-(1/1956 to 12/80)KM	
DRAWING NO :-		SMCHG/MW/MAANP/R2222	
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SIZE		A3	
DATE		PREP/CHK/APPD R E V I S I O N S S/K/S B/S/P	
		SEPT-2019 00	



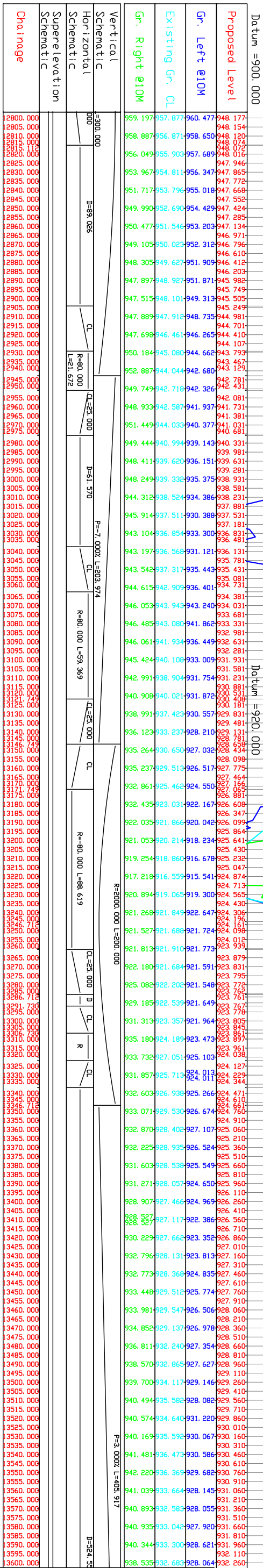
Structure No. 82	Existing	Proposed
Chainage	-	12,950
Type	SLAB	SLAB
Size	1 X 1,2	1 X 1,2
FRL	-	942.431
Avg. GL	-	946.038
Height	-	3.606
Proposal	WIDENING	

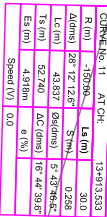
	Existing	Proposed
Change	-	3,080
Type	-	SLAB
Size	-	1 X 1.5
FRL		933.381
Avg. GL	-	944.174
Height	-	-10.843
Proposal		NEW CONSTRUCTION

Structure No. 84		
	Existing	Proposed
Charnage	-	13.175
Type	SLAB	SLAB
Size	1 X 1.1	1 X 1.1
FRL	-	926.832
Avg. GL	-	927.301
Height	-	-0.469
Proposal	WIDENING	

Structure No. 55	
	Existing
Challinage	-
Type	SLAB
Size	1 X 5.0
FRL	-
Avg. GL	-
Height	-
Proposal	NEW CONSTRUCTION

Structure No. 66		
	Existing	Proposed
Changeage	-	13.335
Type	HUME PIPE	SLAB
Size	1 X 0.9	1 X 1.5
FRL	-	924.391
Avg. Gl.	-	927.934
Height	-	3.543
Proposal	RECONSTRUCTION	





SURVE No. 12		AT CH:		14-25-97b
R (m)	300.00	LS (m)		15.0
Δ (m)	11° 17' 18.4"	S (m)		0.031
Lc (m)	44.106	Δs (m)		1° 25' 56.6"
Ts (m)	37.152	ΔC (m)		8° 25' 25.1"
Es (m)	1.493m	θ (°)		
Speed (V)	0.0			

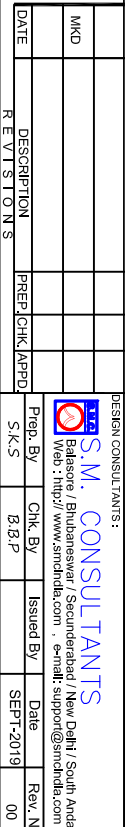
Structure No. 88		Proposed
Existing		
Charnage	-	13.745
Type	HUNE PIPE	SLAB
Size	1 X 0.9	1 X 1.5
FRL	-	936.610
Avg. GL	-	936.484
Height	-	0.126

RECONSTRUCTION

Structure No. 89		Existing	Proposed
Chairnage	-	13.855	
Type	SLAB	SLAB	
Size	1 X 2.8	1 X 2.8	
FRL	-	937.339	
Avg. GL	-	887.241	
Height	-	0.090	
Remarks	WIDENING		

Structure No. 90		
	Existing	Proposed
Changeage	-	13,930
Type	SLAB	SLAB
Size	1 X 2.0	1 X 2.0
FLL	-	934,295
Avg. GL	-	933,725
Height	-	0.570
Proposal	NEW CONSTRUCTION	

Structure No. 91		Proposed
Chainage	-	14.250
Type	HUME PIPE	SLAB
Size	1 X 0.9	1 X 1.5
FRL	-	927.047
Avg. GL	-	925.339
Height	-	1.708
		NEW CONSTRUCTION





R (m)		L _g (m)	
A(dms)	11° 31' 0,5"	S (m)	15,0
Lc (m)	45,302	O _g (dms)	0,031
Ts (m)	37,756	ΔC (dms)	1° 25' 56,6"
Es (m)	1,553m	e (%)	8° 39' 7,3"
Speed (V)	0,0		

QUARTZ No.	R (m)	ΔC (dphms)	S (mm)
-100.00	42° 4' 8.7"	82.013	5° 45'
		ΔC (dphms)	3° 19' 35.7"
		θ (%)	
Lc (nm)	73.866		
Ts (m)	11.366m		
Es (m)	0.0		
Speed (V)			

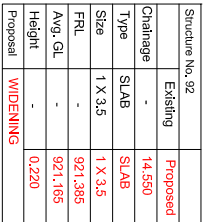
Curve No	AT Off	15' 100' 63' 4"
R (m)	80.00	3.0
E (m)	48' 38' 30.2"	0.514
D (m)	37.940	10' 44' 34.7"
Lc (m)	51.365	27' 10' 20.9"
Ts (m)	0.0	
Es (m)	0.0	
Speed (V)		

Proposed	14.715
PIPE	SLAB
1 X 1.5	932.476
930.105	2.371
INSTRUCTION	

Structure No. 94	Existing	Proposed
Chainage	-	14.860
Type	HUME PIPE	SLAB
Size	1 X 0.9	1 X 1.5
FRL	-	932.125
Avg. GL	-	933.563
Height	-	-1.438
Proposal	RECONSTRUCTION	

Structure No. 95	Existing	Proposed
	Changeage	
Size	-	15,050
Type	SLAB	SLAB
FRL	1 X 1.5	1 X 1.5
Avg. GL	-	937.485
Height	-	939.918
Proposal	-	-3.325
		NEW CONSTRUCTION

Structure No. 96	ES
Chainage	
Type	SL
Size	1 X
FRL	
Avg. GL	
Height	
Proposal	RE

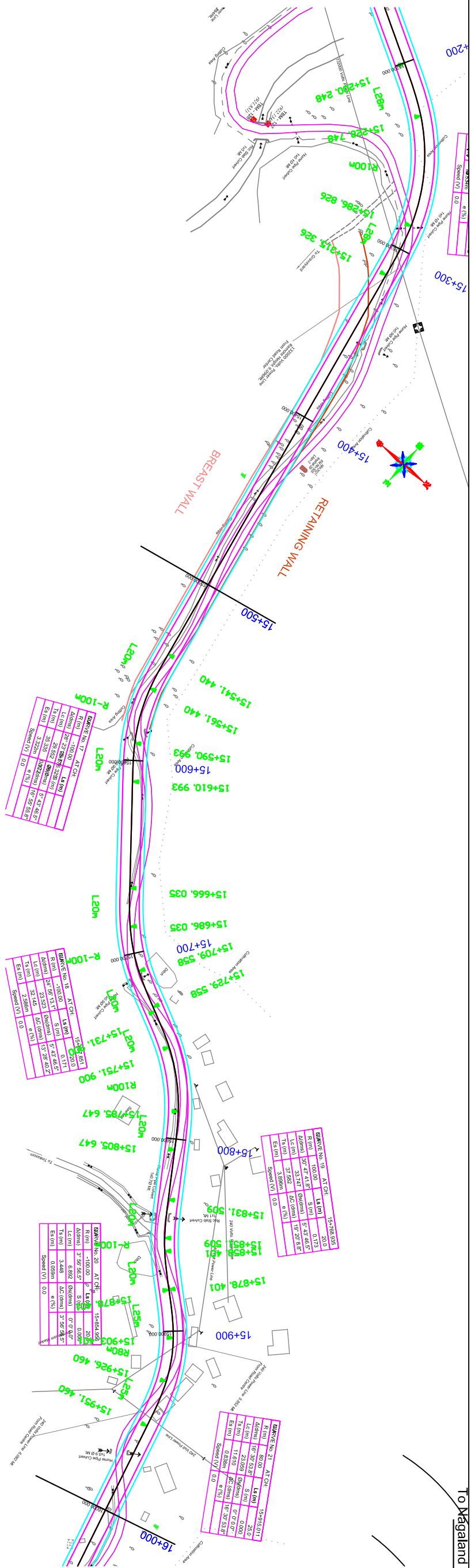


Proposed	14.715
PIPE	SLAB
1 X 1.5	932.476
930.105	2.371

Structure No. 94	Existing	Proposed
Chainage	-	14.860
Type	HUME PIPE	SLAB
Size	1 X 0.9	1 X 1.5
FRL	-	932.125
Avg. GL	-	933.563
Height	-	-1.438
Proposal	RECONSTRUCTION	

Structure No. 95	Existing	Proposed
	Changeage	
Size	-	15,050
Type	SLAB	SLAB
FRL	1 X 1.5	1 X 1.5
Avg. GL	-	937.485
Height	-	939.918
Proposal	-	-3.325
		NEW CONSTRUCTION

Structure No. 96	ES
Chainage	
Type	SL
Size	1 X
FRL	
Avg. GL	
Height	
Proposal	RE



x. 96	
Existing	Proposed
-	15,230
SLAB	MINOR
1 X 5.0	1 X 10.0
-	934,617
-	922,967
-	11,650
RECONSTRUCTION	

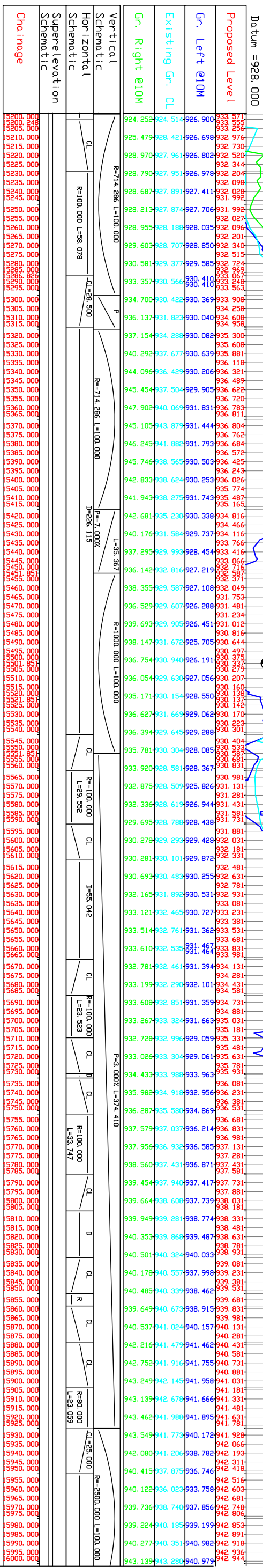
Structure No. 97		
	Existing	Proposed
Chamagne	-	15,350
Type	HUMI PIPE	SLAB
Size	1 X 0.9	1 X 1.4
FRL	-	92,486
Avg. GL	-	938,861
Height	-	-1,372
Proposal		NEW CONSTRUCTION

Structure No. 98		
Chainage	Existing	Proposed
Type	-	15.585
	HUME PIPE	SLAB
Size	1 X 0.9	1 X 1.5
FRL	-	934.581
Avg. GL	-	948.320
Height	-	3.261
Proposal		RECONSTRUCTION

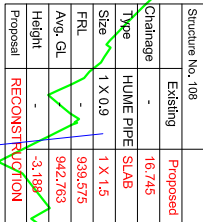
Structure No. 99		
	Existing	Proposed
Chainage	-	15.715
Type	HUME PIPE SLAB	
Size	1 X 0.9	1 X 1.5
FRL	-	935.481
Avg. GL	-	930.895
Height	-	4.586
Proposal	RECONSTRUCTION	

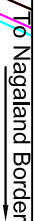
Structure No. 100		Structure No. 101	
Existing	Proposed	Existing	Proposed
Charnage	15,840	Charnage	15,970
Type	SLAB	Type	HUME PIPE SLAB
Size	1 X 1.0	Size	1 X 1.5
FRL	939.231	FRL	942.748
Avg. GL	939.088	Avg. GL	938.155
Height	0.143	Height	3.365
RECONSTRUCTION		RECONSTRUCTION	
Proposal		Proposal	

Structure No. 101		
Existing	Proposed	
Chainage	-	15.970
Type	HUME PIPE	SLAB
Size	1 X 0.9	1 X 1.5
FRL		942.748
Wtg. GL	-	938.755
Height	-	3.952
Proposal	RECONSTRUCT	938.661

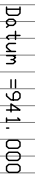
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CLIENT : NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. Project : consultancy Services for Carrying out feasibility Study, Preparation of Detailed Project Report and providing Pre- Construction Services in respect of Two Laning With Paved Shoulder Of Yanggachokop-17inch Corner Border Road On NH-102, On Eminentive, Procurement and Construction Made in the State Of Karnataka	SCALE	H.Scale:- 1:1500 V.Scale:- 1:150
	TITLE : PLAN & PROFILE Ch(15/200 to 16/000KM)	
DRAWING NO. :-	SMC/HG/MVA/MAAP/JR2222	
SHEET	SIZE	A3
Dwg.		

[illegible]

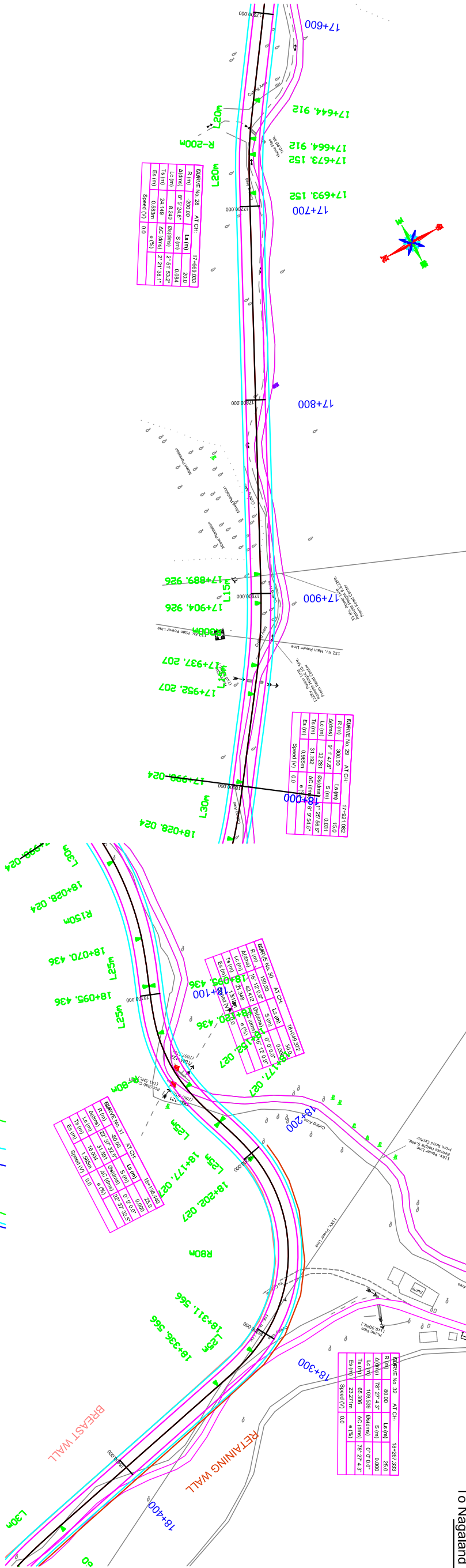
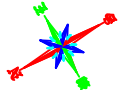


Structure No. 113	Existing	Proposed
Charnage	-	17,530
Type	SLAB	SLAB
Size	1 X 2.0	1 X 2.0
FRL		965.802
Avg. GL	-	970.513
Height	-	4.711
Proposal		WIDENING

Datum = 957,000R=2857.143 L=200.000

To Imphal

To Nagaland Border



Structure No. 114	Existing	Proposed
Chainage	-	17.660
Type	HUME PIPE	SLAB
Size	1 X 0.9	1 X 1.5
FRL	-	974.902
Avg. GL	-	974.682
Height	-	0.221
Proposal	RECONSTRUCTION	

Structure No. 115	Existing	Proposed
Chainage	-	17.945
Type	HUME PIPE	SLAB
Size	1 X 0.9	1 X 1.5
FRL	-	994.852
Avg. GL	-	994.686
Height	-	6.186
Proposal	RECONSTRUCTION	

Structure No. 116	Existing	Proposed
Chainage	-	18.150
Type	SLAB	SLAB
Size	1 X 1.5	1 X 1.5
FRL	-	1009.202
Avg. GL	-	1007.042
Height	-	2.160
Proposal	WIDENING	

Structure No. 117	Existing	Proposed
Chainage	-	18.250
Type	SLAB	SLAB
Size	1 X 1.5	1 X 1.5
FRL	-	1016.202
Avg. GL	-	1014.616
Height	-	24.413
Proposal	NEW CONSTRUCTION	

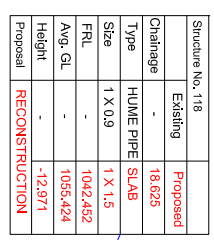
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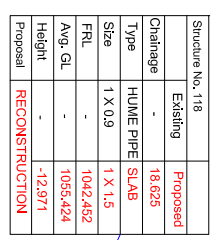
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Datum =1010.000

Proposed Level	970.702	971.052	971.402	971.752	972.102	972.452	972.802	973.152	973.502	973.852	974.202	974.552	974.902	975.252	975.602	975.952	976.302	976.652	977.002	977.352	977.702	978.052	978.402	978.752	979.102	979.452	979.802	980.152	980.502	980.852	981.202	981.552	981.902	982.252	982.602	982.952	983.302	983.652	984.002	984.352	984.702	985.052	985.402	985.752	986.102	986.452	986.802	987.152	987.502	987.852	988.202	988.552	988.902	989.252	989.602	989.952	990.302	990.652	991.002	991.352	991.702	992.052	992.402	992.752	993.102	993.452	993.802	994.152	994.502	994.852	995.202	995.552	995.902	996.252	996.602	996.952	997.302	997.652	998.002	998.352	998.702	999.052	999.402	999.752	1000.102	1000.452	1000.802	1001.152	1001.502	1001.852	1002.202	1002.552	1002.902	1003.252	1003.602	1003.952	1004.302	1004.652	1005.002	1005.352	1005.702	1006.052	1006.402	1006.752	1007.102	1007.452	1007.802	1008.152	1008.502	1008.852	1009.202	1009.552	1009.902	1010.252	1010.602	1010.952	1011.302	1011.652	1012.002	1012.352	1012.702	1013.052	1013.402	1013.752	1014.102	1014.452	1014.802	1015.152	1015.502	1015.852	1016.202	1016.552	1016.902	1017.252	1017.602	1017.952	1018.302	1018.652	1019.002	1019.352	1019.702	1020.052	1020.402	1020.752	1021.102	1021.452	1021.802	1022.152	1022.502	1022.852	1023.202	1023.552	1023.902	1024.252	1024.602	1024.952	1025.302	1025.652	1026.002	1026.352	1026.702	1027.052	1027.402	1027.752	1028.102	1028.452	1028.802	1029.152	1029.502	1029.852	1030.202	1030.552	1030.902	1031.252	1031.602	1031.952	1032.302	1032.652	1033.002	1033.352	1033.702	1034.052	1034.402	1034.752	1035.102	1035.452	1035.802	1036.152	1036.502	1036.852	1037.202	1037.552	1037.902	1038.252	1038.602	1038.952	1039.302	1039.652	1040.002	1040.352	1040.702	1041.052	1041.402	1041.752	1042.102	1042.452	1042.802	1043.152	1043.502	1043.852	1044.202	1044.552	1044.902	1045.252	1045.602	1045.952	1046.302	1046.652	1047.002	1047.352	1047.702	1048.052	1048.402	1048.752	1049.102	1049.452	1049.802	1050.152	1050.502	1050.852	1051.202	1051.552	1051.902	1052.252	1052.602	1052.952	1053.302	1053.652	1054.002	1054.352	1054.702	1055.052	1055.402	1055.752	1056.102	1056.452	1056.802	1057.152	1057.502	1057.852	1058.202	1058.552	1058.902	1059.252	1059.602	1059.952	1060.302	1060.652	1061.002	1061.352	1061.702	1062.052	1062.402	1062.752	1063.102	1063.452	1063.802	1064.152	1064.502	1064.852	1065.202	1065.552	1065.902	1066.252	1066.602	1066.952	1067.302	1067.652	1068.002	1068.352	1068.702	1069.052	1069.402	1069.752	1070.102	1070.452	1070.802	1071.152	1071.502	1071.852	1072.202	1072.552	1072.902	1073.252	1073.602	1073.952	1074.302	1074.652	1075.002	1075.352	1075.702	1076.052	1076.402	1076.752	1077.102	1077.452	1077.802	1078.152	1078.502	1078.852	1079.202	1079.552	1079.902	1080.252	1080.602	1080.952	1081.302	1081.652	1082.002	1082.352	1082.702	1083.052	1083.402	1083.752	1084.102	1084.452	1084.802	1085.152	1085.502	1085.852	1086.202	1086.552	1086.902	1087.252	1087.602	1087.952	1088.302	1088.652	1089.002	1089.352	1089.702	1090.052	1090.402	1090.752	1091.102	1091.452	1091.802	1092.152	1092.502	1092.852	1093.202	1093.552	1093.902	1094.252	1094.602	1094.952	1095.302	1095.652	1096.002	1096.352	1096.702	1097.052	1097.402	1097.752	1098.102	1098.452	1098.802	1099.152	1099.502	1099.852	1100.202	1100.552	1100.902	1101.252	1101.602	1101.952	1102.302	1102.652	1103.002	1103.352	1103.702	1104.052	1104.402	1104.752	1105.102	1105.452	1105.802	1106.152	1106.502	1106.852	1107.202	1107.552	1107.902	1108.252	1108.602	1108.952	1109.302	1109.652	1110.002	1110.352	1110.702	1111.052	1111.402	1111.752	1112.102	1112.452	1112.802	1113.152	1113.502	1113.852	1114.202	1114.552	1114.902	1115.252	1115.602	1115.952	1116.302	1116.652	1117.002	1117.352	1117.702	1118.052	1118.402	1118.752	1119.102	1119.452	1119.802	1120.152	1120.502	1120.852	1121.202	1121.552	1121.902	1122.252	1122.602	1122.952	1123.302	1123.652	1124.002	1124.352	1124.702	1125.052	1125.402	1125.752	1126.102	1126.452	1126.802	1127.152	1127.502	1127.852	1128.202	1128.552	1128.902	1129.252	1129.602	1129.952	1130.302	1130.652	1131.002	1131.352	1131.702	1132.052	1132.402	1132.752	1133.102	1133.452	1133.802	1134.152	1134.502	1134.852	1135.202	1135.552	1135.902	1136.252	1136.602	1136.952	1137.302	1137.652	1138.002	1138.352	1138.702	1139.052	1139.402	1139.752	1140.102	1140.452	1140.802	1141.152	1141.502	1141.852	1142.202	1142.552	1142.902	1143.252	1143.602	1143.952	1144.302	1144.652	1145.002	1145.352	1145.702	1146.052	1146.402	1146.752	1147.102	1147.452	1147.802	1148.152	1148.502	1148.852	1149.202	1149.552	1149.902	1150.252	1150.602	1150.952	1151.302	1151.652	1152.002	1152.352	1152.702	1153.052	1153.402	1153.752	1154.102	1154.452	1154.802	1155.152	1155.502	1155.852	1156.202	1156.552	1156.902	1157.252	1157.602	1157.952	1158.302	1158.652	1159.002	1159.352	1159.702	1160.052	1160.402	1160.752	1161.102	1161.452	1161.802	1162.152	1162.502	1162.852	1163.202	1163.552	1163.902	1164.252	1164.602	1164.952	1165.302	1165.652	1166.002	1166.352	1166.702	1167.052	1167.402	1167.752	1168.102	1168.452	1168.802	1169.152	1169.502	1169.852	1170.202	1170.552	1170.902	1171.252	1171.602	1171.952	1172.302	1172.652	1173.002	1173.352	1173.702	1174.052	1174.402	1174.752	1175.102	1175.452	1175.802	1176.152	1176.502	1176.852	1177.202	1177.552	1177.902	1178.252	1178.602	1178.952	1179.302	1179.652	1180.002	1180.352	1180.702	1181.052	1181.402	1181.752	1182.102	1182.452	1182.802	1183.152	1183.502	1183.852	1184.202	1184.552	1184.902	1185.252	1185.602	1185.952	1186.302	1186.652	1187.002	1187.352	1187.702	1188.052	1188.402	1188.752	1189.102	1189.452	1189.802	1190.152	1190.502	1190.852	1191.202	1191.552	1191.902	1192.252	1192.602	1192.952	1193.302	1193.652	1194.002	1194.352	1194.702	1195.052	1195.402	1195.752	1196.102	1196.452	1196.802	1197.152	1197.502	1197.852	1198.202	1198.552	1198.902	1199.252	1199.602	1200.002	1200.352	1200.702	1201.052	1201.402	1201.752	1202.102	1202.452	1202.802	1203.152	1203.502	1203.852	1204.202	1204.552	1204.902	1205.252	1205.602	1205.952	1206.302	1206.652	1207.002	1207.352	1207.702	1208.052	1208.402	1208.752	1209.102	1209.452	1209.802	1210.152	1210.502	1210.852	1211.202	1211.552	1211.902	1212.252	1212.602	1212.952	1213.302	1213.652	1214.002	1214.352	1214.702	1215.052	1215.402	1215.752	1216.102	1216.452	1216.802	1217.152	1217.502	1217.852	1218.202	1218.552	1218.902	1219.252	1219.602	1219.952	1220.302	1220.652	1221.002	1221.352	1221.702	1222.052	1222.402	1222.752	1223.102	1223.452	1223.802	1224.152	1224.502	1224.852	1225.202	1225.552	1225.902	1226.252	1226.602	1226.952	1227.302	1227.652	1228.002	1228.352	1228.702	1229.052	1229.402	1229.752	1230.102	1230.452	1230.802	1231.152	1231.502	1231.852	1232.202	1232.552	1232.902	1233.252	1233.602	1233.952	1234.302	1234.652	1235.002	1235.352	1235.702	1236.052	1236.402	1236.752	1237.102	1237.452	1237.802	1238.152	1238.502	1238.852	1239.202	1239.552	1239.902	1240.252	1240.602	1240.952	1241.302	1241.652	1242.002	1242.352	1242.702	1243.052	1243.402	1243.752	1244.102	1244.452	1244.802	1245.152	1245.502	1245.852	1246.202	1246.552	1246.902	1247.252	1247.602	1247.952	1248.302	1248.652	1249.002	1249.352	1249.702	1250.052	1250.402	1250.752	1251.102	1251.452	1251.802	1252.152	1252.502	1252.852	1253.202	1253.552	1253.902	1254.252	1254.602	1254.952	1255.302	1255.652	1256.002	1256.352	1256.702	1257.052	1257.402	1257.752	1258.102	1258.452	1258.802	1259.152	1259.502	1259.852	1260.202	1260.552	1260.902	1261.252	1261.602	1261.952	1262.302	1262.652	1263.002	1263.352	1263.702	1264.052	1264.402	1264.752	1265.102	1265.452	1265.802	1266.152	1266.502	1266.852	1267.202	1267.552	1267.902	1268.252	1268.602	1268.952	1269.302	1269.652	1270.002	1270.352	1270.702	1271.052	1271.402	1271.752	1272.102	1272.452	1272.802	1273.152	1273.502	1273.852	1274.202	1274.552	1274.902	1275.252	1275.602	1275.952	1276.302	1276.652	1277.002	1277.352	1277.702	1278.052	1278.402	1278.752	1279.102	1279.452	1279.802	1280.152	1280.502	1280.852	1281.202	1281.552	1281.902	1282.252	1282.602	1282.952	1283.302	1283.652	1284.002	1284.352	1284.702	1285.052	1285.402	1285.752	1286.102	1286.452	1286.802	1287.152	1287.502	1287.852	1288.202	1288.552	1288.902	1289.252	1289.602	1289.952	1290.302	1290.652	1291.002	1291.352	1291.702	1292.052	1292.402	1292.752	1293.102	1293.452	1293.802	1294.152	1294.502	1294.852	1295.202	1295.552	1295.902	1296.252	1296.602	1296.952	1297.302	1297.652	1298.002	1298.352	1298.702	1299.052	1299.402	1299.752	1300.102	1300.452	1300.802	1301.152	1301.502	1301.852	1302.202	1302.552	1302.902	1303.252	1303.602	1303.952	1304.302	1304.652	1305.002	1305.352	1305.702	
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	Existing	Proposed
Inade	-	18,745
ee	HUME PIPE	SLAB
3	1 X 0.9	1 X 1.5
L	-	1050,852
p, GL	-	1049,500
ght	-	1,352
posal	NEW CONSTRUCTION	

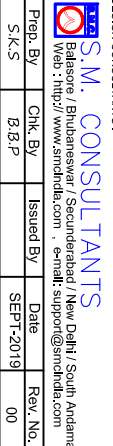


Structure No. 118		
Chaining	Existing	Proposed
	-	18.625
Type	HUME PIPE	SLAB
Size	1 X 0.9	1 X 1.5
FRL	-	1042.452
Avg. GL	-	1055.424
Height	-	-12.971
Proposal	RECONSTRUCTION	



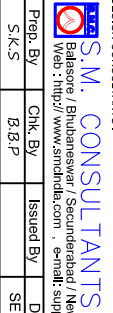
Vertical Schematic	Horizontal Schematic	Super-elevation Schematic	Chaining
D	CL	R=80.000 L=32.633	1920.000
	CL=25.000 D		1921.000
	CL		1922.000
		R=80.000 L=76.799	1923.000
			1924.000
			1925.000
			1926.000
			1927.000
			1928.000
			1929.000
			1930.000
	CL		1931.000
			1932.000
			1933.000
			1934.000
			1935.000
			1936.000
			1937.000
			1938.000
			1939.000
			1940.000
	CL=25.000		1941.000
			1942.000
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			1996.000
			1997.000
			1998.000
			1999.000
			2000.000

Structure No. 131		
	Existing	Proposed
Charnage	-	20.715
Type	SLAB	SLAB
Size	1 X 1.0	1 X 1.5
FRL	-	1179.163
Avg. Gl.	-	1177.673
Height	-	1.490
Proposal	NEW CONSTRUCTION	



Structure No. 138		Proposed
	Existing	
Chimney	-	21,560
Type	SLAB	SLAB
Size	1 X 1.0	1 X 1.0
FRP	-	1221,413
Av. Cl.	-	1220,190
Height	-	1,224
Proposal	WIDENING	

Structure No. 137		
	Existing	Proposed
Challange	-	21,295
Type	HUME PIPE	SLAB
Size	1 X 1.1	1 X 1.5
FRL	-	1208,163
Avg. GL	-	1209,551
Height	-	-1,388
Proposal	NEW CONSTRUCTION	



Structure No. 144		
	Existing	Proposed
Chamagne	-	22,900
Type	SLAB	SLAB
Size	1 X 1.0	1 X 1.5
FRL	-	1288.413
Avg. GL	-	1294.481
Height	-	-6.088
Proposal	NEW CONSTRUCTION	

Structure No. 145		Existing	Proposed
Chainage	-	22,960	
Type	SLAB	SLAB	
Size	1 X 1.5	1 X 1.5	
FRL	-	1291.413	
Avg. GL	-	1283.512	
Height	-	7.901	
Proposal	WIDENING		

Structure No. 146		
	Existing	Proposed
Chambrage	-	23,090
Type	NEW	SLAB
Size	-	1 X 1.5
FRL		1297.913
Avg. GL	-	1301.193
Height	-	3.280
Proposal	NEW CONSTRUCTION	

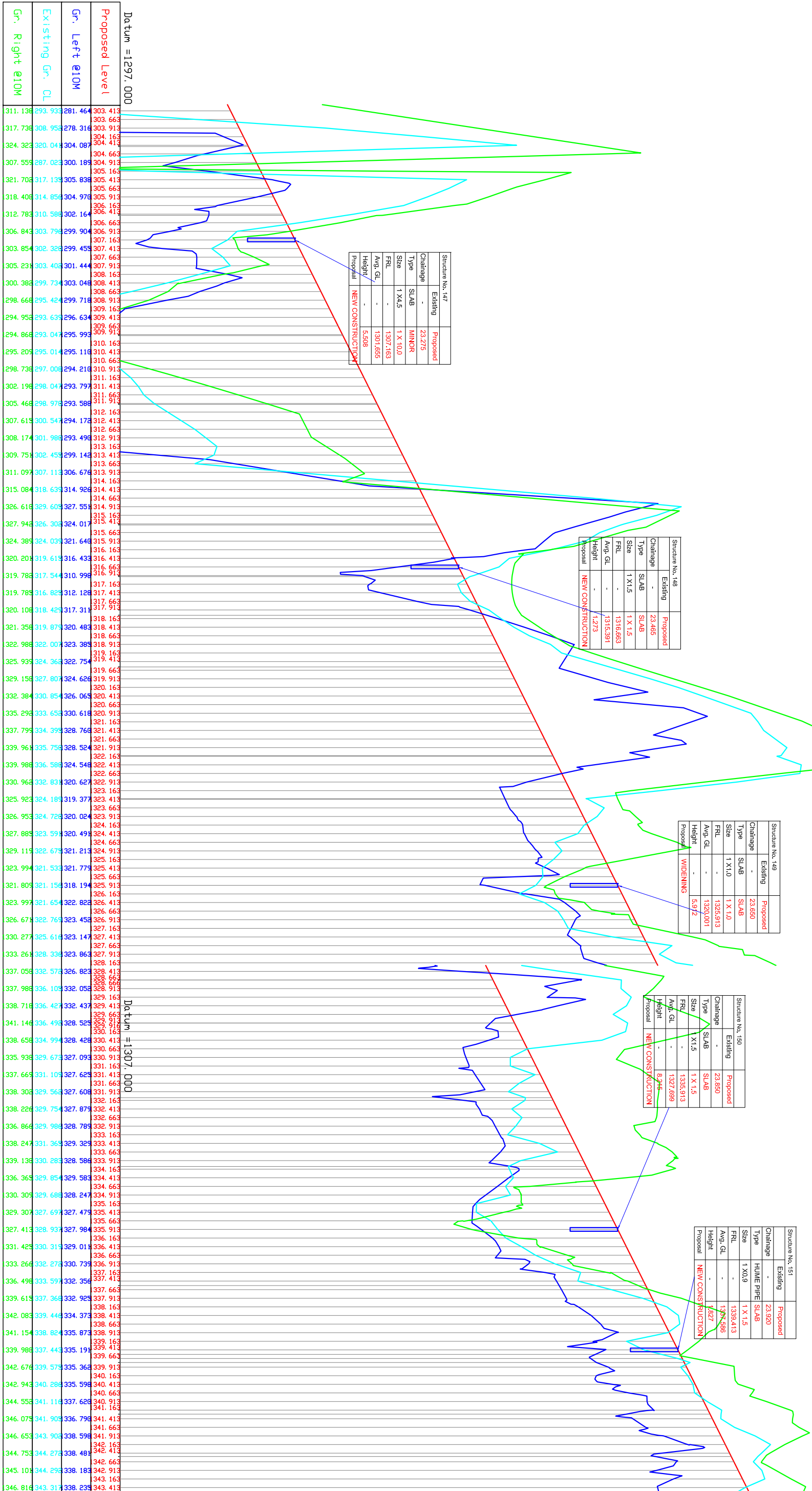
Structure No. 143		
	Existing	Proposed
Changeage	-	22.600
Type	NEW	SLAB
Size	-	1 X 1.5
FRL	-	1273.413
Avg. GL	-	1281.058
Height	-	7.644
Proposal	NEW CONSTRUCTION	

Structure No. 142		
Chaining	Existing	Proposed
Type	HUME PIPE	22.420
Size	12X0.6	1 X 1.5
FRL	-	1264.413
Avg. GL	-	1265.012
Height	-	-0.599
Proposal	NEW CONSTRUCTION	

[illegible]

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DESIGN CONSULTANTS:										CLIENT :		SCALE		TITLE:	
S.M. CONSULTANTS Balestora / Bihunastawa / Secunderabad / New Delhi / South Andaman Web : http://www.smcndia.com , e-mail: support@smcndia.com										NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.		H Scale-1:1500		PROFILE CH-22/400 to 23/22	
PROJECT : consultancy Services for Carrying out Feasibility Study, Preparation of Detailed Project Report and Providing Pre-Construction Services in respect of Two Laning With Pavement Shoulder Of Yanggongkopok-Finch Corner Border Road On NH-202 On Engineering, Procurement and Construction Made in the State Of Andaman.										V. Scale-1:150		DRAWING NO :- SMCHGHWAYMANPUNR2222/			
DATE										S.K.S		Dwg.			
DESCRIPTION										CHK By					
PREP										Issued By					
CHK										Date					
MPPD										Rev. No.					
REVISIONS										S.K.S		00			



Structure No. 148

Chainage	-	23.465
Type	SLAB	SLAB
Size	1 X1.5	1 X 1.5
FRL	-	1316.663
Avg. GL	-	1315.391
Height	-	12.73
Proposal		NEW CONSTRUCTION

Structure No. 149

Chainage	-	23.650
Type	SLAB	SLAB
Size	1 X1.0	1 X 1.0
FRL	-	1325.913
Avg. GL	-	1320.001
Height	-	5.972
Proposal		WIDENING

Structure No. 150

Chainage	-	23.850
Type	SLAB	SLAB
Size	1 X1.5	1 X 1.5
FRL	-	1335.913
Avg. GL	-	1327.899
Height	-	8.275
Proposal		NEW CONSTRUCTION

Structure No. 151

Chainage	-	23.920
Type	HUME PIPE	SLAB
Size	1 X0.9	1339.413
FRL	-	1339.413
Avg. GL	-	1339.413
Height	-	1.827
Proposal		NEW CONSTRUCTION

Datum =1297.000

Datum =1307.000

Vertical Schematic

Horizontal Schematic

Superelevation Schematic

Chainage

CL=40.000

R=50.000 L=69.834

CL=40.000

D=70.032

CL=30.000

R=70.000 L=22.478

CL=30.000

D=51.539

CL

R=80.000 L=105.423

CL=25.000

D=43.375

CL=40.000

R=50.000 L=69.186

CL=40.000

D=30.000

R=70.000 L=24.640

CL=30.0

DESIGN CONSULTANTS:

S. M. CONSULTANTS
Bhubaneswar / Secunderabad / New Delhi / South Andaman
Web : <http://www.smcds.com> , e-mail: support@smcds.com

CLIENT :
NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
PROJECT: Consultancy Services for carrying out Feasibility Study, Preparation of Detailed Project Report and Providing Pre-Construction Services in respect of Two Laning With Paved Shoulder Of Vaingangpokop-Finch Corner Border Road On NH-202 On Engineering, Procurement and Construction Mode in the State Of Manipur.

SCALE
H.Scale-1:1500
V.Scale-1:150

TITLE:
CH-23/200 to 24/000(KM)
DRAWING NO :-
SMCHWAVMANP/R2222
Dwg. AS

Structure No. 162	Existing	Proposed
Chainage	-	25.570
Type	HUME PIPE SLAB	
Size	1 X 1.5	
FRL	-	1408.586
Avg. GL	-	1404.837
Height	-	3.749
Proposal	RECONSTRUCTION	

Structure No. 161	Existing	Proposed
Chainage	-	25.520
Type	HUME PIPE SLAB	
Size	1 X 1.5	
FRL	-	1407.086
Avg. GL	-	1407.917
Height	-	-0.831
Proposal	NEW CONSTRUCTION	

Structure No. 159	Existing	Proposed
Chainage	-	25.380
Type	SLAB	
Size	1 X 1.5	
FRL	-	1402.886
Avg. GL	-	1401.120
Height	-	1.766
Proposal	NEW CONSTRUCTION	

Structure No. 157	Existing	Proposed
Chainage	-	25.075
Type	HUME PIPE SLAB	
Size	1 X 0.9	
FRL	-	1393.634
Avg. GL	-	1392.419
Height	-	1.215
Proposal	RECONSTRUCTION	

Structure No. 156	Existing	Proposed
Chainage	-	25.010
Type	SLAB	
Size	1 X 1.0	
FRL	-	1391.373
Avg. GL	-	1394.042
Height	-	2.669
Proposal	WIDENING	

Datum =1380.000

Gr. Right @10M	Existing Gr. CL	Gr. Left @10M	Proposed Level
383.788	380.816	378.836	382.985
383.398	381.379	379.223	383.205
383.284	382.768	380.227	383.424
385.726	385.128	383.019	383.645
388.157	386.409	385.545	383.866
388.315	388.908	387.215	384.076
388.296	389.623	387.856	384.291
388.279	390.003	388.468	384.503
388.262	390.316	389.145	384.718
388.003	388.874	388.606	384.931
388.166	387.608	386.928	385.142
388.893	387.318	384.918	385.352
388.456	385.585	384.438	385.561
389.016	385.043	384.697	385.776
387.955	385.473	385.625	385.977
390.542	388.297	387.327	386.183
393.608	392.193	391.817	386.388
397.123	395.785	394.803	386.592
400.596	399.343	396.593	386.796
401.417	399.697	396.878	386.998
398.592	396.053	393.106	387.195
396.603	393.253	391.481	387.395
397.603	391.443	390.424	387.593
399.643	392.337	390.833	387.791
401.934	392.418	391.153	387.987
397.596	392.358	390.547	388.183
395.493	391.418	387.811	388.379
393.948	391.153	390.896	388.576
394.596	394.879	392.924	388.773
403.693	400.278	393.581	388.969
402.902	401.609	396.542	389.166
403.538	400.649	397.328	389.362
403.883	400.557	396.728	389.558
405.074	401.803	398.287	389.754
406.267	403.148	400.157	389.950
406.793	404.458	401.179	390.146
408.136	404.973	401.353	390.342
409.497	404.868	399.368	390.538
407.493	404.013	399.813	390.734
403.416	400.633	397.253	390.930
401.093	397.668	395.197	391.126
401.376	397.678	395.113	391.322
401.073	397.268	394.995	391.518
400.719	395.584	394.343	391.714
398.894	396.365	394.424	391.910
397.507	395.465	392.826	392.106
398.376	395.828	392.587	392.302
401.445	398.788	396.845	392.498
404.486	402.407	400.179	392.694
407.813	405.898	403.906	392.890
410.157	409.389	407.501	393.086
410.325	410.528	409.302	393.282
410.396	409.599	407.222	393.478
409.466	408.474	405.945	393.674
408.035	406.083	404.056	393.870
406.983	404.879	402.509	394.066
405.692	403.358	400.802	394.262
404.382	402.978	399.931	394.458
402.324	400.124	399.916	394.654
405.127	402.564	400.026	394.850
406.964	403.724	400.819	395.046
408.674	405.407	401.957	395.242
410.035	407.014	404.026	395.438
410.478	408.348	404.428	395.634
411.826	409.231	406.924	395.830
412.656	411.058	408.768	396.026
412.146	411.367	409.223	396.222
411.636	411.676	409.272	396.418
411.126	411.673	409.622	396.614
410.616	411.233	410.002	396.810
409.485	410.578	410.028	397.006
409.702	409.958	408.428	397.202
409.676	408.454	406.158	397.398
409.346	407.538	404.903	397.594
410.856	407.413	404.095	397.791
410.523	407.028	403.146	397.987
409.175	405.298	403.747	398.183
407.044	403.838	402.636	398.379
406.435	403.488	402.733	398.576
407.542	404.861	403.054	398.773
407.834	404.723	403.662	398.969

To Imphal

To Nagaland Border

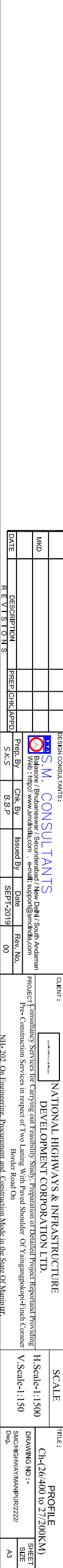
Structure No. 163		
Existing		
Challange	-	26.750
Type	NEW	SLAB
Size	1 X 1.5	
FRL	-	1413.986
Avg. GL	-	1420.050
Height	-	-5.063
Proposal	NEW CONSTRUCTION	

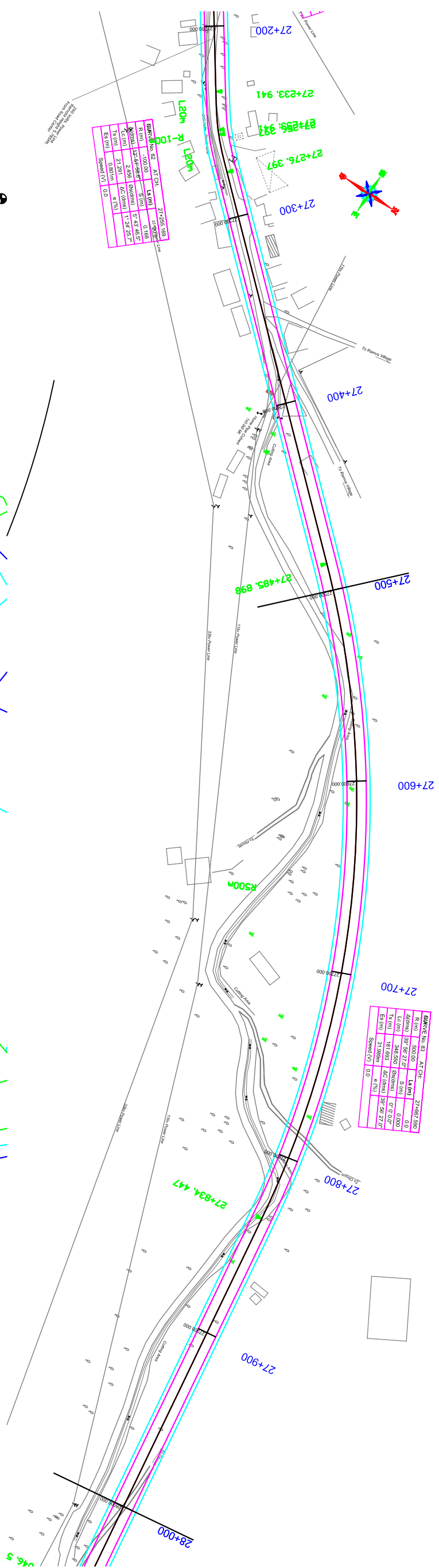
Structure No. 164		
Existing		
Challange	-	25.865
Type	HUME PIPE	SLAB
Size	1 X 0.9	
FRL	-	1417.436
Avg. GL	-	1419.235
Height	-	-1.799
Proposal	RECONSTRUCTION	

Structure No. 165		
Existing		
Challange	-	26.050
Type	HUME PIPE	SLAB
Size	1 X 0.3	
FRL	-	1422.986
Avg. GL	-	1427.564
Height	-	-4.568
Proposal	RECONSTRUCTION	

Datum =1400.000

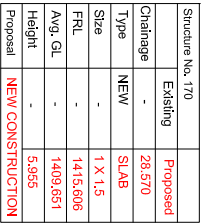
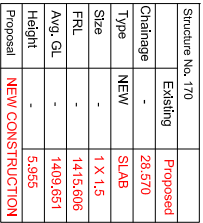
Proposed Level	409.486	409.636	409.786	409.936	410.086	410.236	410.386	410.536	410.686	410.836	410.986	411.136	411.286	411.436	411.586	411.736	411.886	412.036	412.186	412.336	412.486	412.636	412.786	412.936	413.086	413.236	413.386	413.536	413.686	413.836	413.986	414.136	414.286	414.436	414.586	414.736	414.886	415.036	415.186	415.336	415.486	415.636	415.786	415.936	416.086	416.236	416.386	416.536	416.686	416.836	416.986	417.136	417.286	417.436	417.586	417.736	417.886	418.036	418.186	418.336	418.486	418.636	418.786	418.936	419.086	419.236	419.386	419.536	419.686	419.836	419.986	420.136	420.286	420.436	420.586	420.736	420.886	421.036	421.186	421.336	421.486	421.636	421.786	421.936	422.086	422.236	422.386	422.536	422.686	422.836	422.986	423.136	423.286	423.436	423.586	423.736	423.886	424.036	424.186	424.336	424.486	424.636	424.786	424.936	425.086	425.236	425.386	425.536	425.686	425.836	425.986	426.136	426.286	426.436	426.586	426.736	426.886	427.036	427.186	427.336	427.486	427.636	427.786	427.936	428.086	428.236	428.386	428.536	428.686	428.836	428.986	429.136	429.286	429.436	429.586	429.736	429.886	430.036	430.186	430.336	430.486	430.636	430.786	430.936	431.086	431.236	431.386	431.536	431.686	431.836	431.986	432.136	432.286	432.436	432.586	432.736	432.886	433.036	433.186	433.336	433.486	433.636	433.786	433.936	434.086	434.236	434.386	434.536	434.686	434.836	434.986	435.136	435.286	435.436	435.586	435.736	435.886	436.036	436.186	436.336	436.486	436.636	436.786	436.936	437.086	437.236	437.386	437.536	437.686	437.836	437.986	438.136	438.286	438.436	438.586	438.736	438.886	439.036	439.186	439.336	439.486	439.636	439.786	439.936	440.086	440.236	440.386	440.536	440.686	440.836	440.986	441.136	441.286	441.436	441.586	441.736	441.886	442.036	442.186	442.336	442.486	442.636	442.786	442.936	443.086	443.236	443.386	443.536	443.686	443.836	443.986	444.136	444.286	444.436	444.586	444.736	444.886	445.036	445.186	445.336	445.486	445.636	445.786	445.936	446.086	446.236	446.386	446.536	446.686	446.836	446.986	447.136	447.286	447.436	447.586	447.736	447.886	448.036	448.186	448.336	448.486	448.636	448.786	448.936	449.086	449.236	449.386	449.536	449.686	449.836	449.986	450.136	450.286	450.436	450.586	450.736	450.886	451.036	451.186	451.336	451.486	451.636	451.786	451.936	452.086	452.236	452.386	452.536	452.686	452.836	452.986	453.136	453.286	453.436	453.586	453.736	453.886	454.036	454.186	454.336	454.486	454.636	454.786	454.936	455.086	455.236	455.386	455.536	455.686	455.836	455.986	456.136	456.286	456.436	456.586	456.736	456.886	457.036	457.186	457.336	457.486	457.636	457.786	457.936	458.086	458.236	458.386	458.536	458.686	458.836	458.986	459.136	459.286	459.436	459.586	459.736	459.886	460.036	460.186	460.336	460.486	460.636	460.786	460.936	461.086	461.236	461.386	461.536	461.686	461.836	461.986	462.136	462.286	462.436	462.586	462.736	462.886	463.036	463.186	463.336	463.486	463.636	463.786	463.936	464.086	464.236	464.386	464.536	464.686	464.836	464.986	465.136	465.286	465.436	465.586	465.736	465.886	466.036	466.186	466.336	466.486	466.636	466.786	466.936	467.086	467.236	467.386	467.536	467.686	467.836	467.986	468.136	468.286	468.436	468.586	468.736	468.886	469.036	469.186	469.336	469.486	469.636	469.786	469.936	470.086	470.236	470.386	470.536	470.686	470.836	470.986	471.136	471.286	471.436	471.586	471.736	471.886	472.036	472.186	472.336	472.486	472.636	472.786	472.936	473.086	473.236	473.386	473.536	473.686	473.836	473.986	474.136	474.286	474.436	474.586	474.736	474.886	475.036	475.186	475.336	475.486	475.636	475.786	475.936	476.086	476.236	476.386	476.536	476.686	476.836	476.986	477.136	477.286	477.436	477.586	477.736	477.886	478.036	478.186	478.336	478.486	478.636	478.786	478.936	479.086	479.236	479.386	479.536	479.686	479.836	479.986	480.136	480.286	480.436	480.586	480.736	480.886	481.036	481.186	481.336	481.486	481.636	481.786	481.936	482.086	482.236	482.386	482.536	482.686	482.836	482.986	483.136	483.286	483.436	483.586	483.736	483.886	484.036	484.186	484.336	484.486	484.636	484.786	484.936	485.086	485.236	485.386	485.536	485.686	485.836	485.986	486.136	486.286	486.436	486.586	486.736	486.886	487.036	487.186	487.336	487.486	487.636	487.786	487.936	488.086	488.236	488.386	488.536	488.686	488.836	488.986	489.136	489.286	489.436	489.586	489.736	489.886	490.036	490.186	490.336	490.486	490.636	490.786	490.936	491.086	491.236	491.386	491.536	491.686	491.836	491.986	492.136	492.286	492.436	492.586	492.736	492.886	493.036	493.186	493.336	493.486	493.636	493.786	493.936	494.086	494.236	494.386	494.536	494.686	494.836	494.986	495.136	495.286	495.436	495.586	495.736	495.886	496.036	496.186	496.336	496.486	496.636	496.786	496.936	497.086	497.236	497.386	497.536	497.686	497.836	497.986	498.136	498.286	498.436	498.586	498.736	498.886	499.036	499.186	499.336	499.486	499.636	499.786	499.936	500.086	500.236	500.386	500.536	500.686	500.836	500.986	501.136	501.286	501.436	501.586	501.736	501.886	502.036	502.186	502.336	502.486	502.636	502.786	502.936	503.086	503.236	503.386	503.536	503.686	503.836	503.986	504.136	504.286	504.436	504.586	504.736	504.886	505.036	505.186	505.336	505.486	505.636	505.786	505.936	506.086	506.236	506.386	506.536	506.686	506.836	506.986	507.136	507.286	507.436	507.586	507.736	507.886	508.036	508.186	508.336	508.486	508.636	508.786	508.936	509.086	509.236	509.386	509.536	509.686	509.836	509.986	510.136	510.286	510.436	510.586	510.736	510.886	511.036	511.186	511.336	511.486	511.636	511.786	511.936	512.086	512.236	512.386	512.536	512.686	512.836	512.986	513.136	513.286	513.436	513.586	513.736	513.886	514.036	514.186	514.336	514.486	514.636	514.786	514.936	515.086	515.236	515.386	515.536	515.686	515.836	515.986	516.136	516.286	516.436	516.586	516.736	516.886	517.036	517.186	517.336	517.486	517.636	517.786	517.936	518.086	518.236	518.386	518.536	518.686	518.836	518.986	519.136	519.286	519.436	519.586	519.736	519.886	520.036	520.186	520.336	520.486	520.636	520.786	520.936	521.086	521.236	521.386	521.536	521.686	521.836	521.986	522.136	522.286	522.436	522.586	522.736	522.886	523.036	523.186	523.336	523.486	523.636	523.786	523.936	524.086	524.236	524.386	524.536	524.686	524.836	524.986	525.136	525.286	525.436	525.586	525.736	525.886	526.036	526.186	526.336	526.486	526.636	526.786	526.936	527.086	527.236	527.386	527.536	527.686	527.836	527.986	528.136	528.286	528.436	528.586	528.736	528.886	529.036	529.186	529.336	529.486	529.636	529.786	529.936	530.086	530.236	530.386	530.536	530.686	530.836	530.986	531.136	531.286	531.436	531.586	531.736	531.886	532.036	532.186	532.336	532.486	532.636	532.786	532.936	533.086	533.236	533.386	533.536	533.686	533.836	533.986	534.136	534.286	534.436	534.586	534.736	534.886	535.036	535.186	535.336	535.486	535.636	535.786	535.936	536.086	536.236	536.386	536.536	536.686	536.836	536.986	537.136	537.286	537.436	537.586	537.736	537.886	538.036	538.186	538.336	538.486	538.636	538.786	538.936	539.086	539.236	539.386	539.536	539.686	539.836	539.986	540.136	540.286	540.436	540.586	540.736	540.886	541.036	541.186	541.336	541.486	541.636	541.786	541.936	542.086	542.236	542.386	542.536	542.686	542.836	542.986	543.136	543.286	543.436	543.586	543.736	543.886	544.036	544.186	544.336	544.486	544.636	544.786	544.936	545.086	545.236	545.386	545.536	545.686	545.836	545.986	546.136	546.286	546.436	546.586	546.736	546.886	547.036	547.186	547.336	547.486	547.636	547.786	547.936	548.086	548.236	548.386	548.536	548.686	548.836	548.986	549.136	549.286	549.436	549.586	549.736	549.886	550.036	550.186	550.336	550.486	550.636	550.786	550.936	551.086	551.236	551.386	551.536	551.686	551.836	551.986	552.136	552.286	552.436	552.586	552.736	552.886	553.036	553.186	553.336	553.486	553.636	553.786	553.936	554.086	554.236	554.386	554.536	554.686	554.836	554.986	555.136	555.286	555.436	555.586	555.736	555.886	556.036	556.186	556.336	556.486	556.636	556.786	556.936	557.086	557.236	557.386	557.536	557.686	557.836	557.986	558.136	558.286	558.436	558.586	558.736	555
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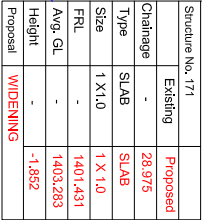


Structure No.	Existing	Proposed
Chinage	27.400	27.400
Type	HUME PIPE	SLAB
Size	1 X 0.9	1 X 1.5
FRL	-	1447.587
Avg. GL	-	1454.787
Height	-	7.200
Proposal	NEW CONSTRUCTION	

Datum =1440.000						Datum =1432.000	
Proposed Level	448.144	448.151	448.158	448.163	448.167	448.169	448.171
Gr. Left @10M	448.048	448.283	448.283	448.451	448.268	448.171	448.178
Existing Gr. CL	448.323	448.349	448.283	448.451	448.268	448.171	448.178
Gr. Right @10M	448.803	448.441	448.847	448.451	448.268	448.171	448.178
	450.455	449.068	448.268	448.268	448.268	448.171	448.178
	451.321	449.468	448.801	449.141	448.157	448.164	448.171
	451.668	449.808	449.141	448.157	448.164	448.171	448.178
	451.563	450.683	448.829	448.155	448.153	448.153	448.153
	452.179	451.828	451.935	448.125	448.115	448.115	448.115
	452.578	452.143	452.195	448.108	448.096	448.096	448.096
	452.357	452.488	452.527	448.082	448.068	448.068	448.068
	452.554	452.894	453.113	448.052	448.036	448.036	448.036
	452.864	453.207	453.977	448.018	447.999	447.999	447.999
	453.053	453.628	454.245	447.979	447.958	447.958	447.958
	452.163	453.909	454.226	447.936	447.913	447.913	447.913
	451.952	454.054	454.322	447.889	447.864	447.864	447.864
	451.827	454.113	454.768	447.837	447.810	447.810	447.810
	450.979	453.994	454.884	447.781	447.751	447.751	447.751
	450.229	453.973	454.863	447.721	447.689	447.689	447.689
	453.174	454.733	455.257	447.656	447.622	447.622	447.622
	453.388	454.438	456.106	447.587	447.551	447.551	447.551
	453.811	456.236	456.358	447.514	447.475	447.475	447.475
	455.658	457.888	457.255	447.436	447.395	447.395	447.395
	457.298	458.466	458.136	447.354	447.311	447.311	447.311
	458.744	459.263	458.533	447.268	447.223	447.223	447.223
	460.459	459.254	458.438	447.177	447.130	447.130	447.130
	459.694	458.607	459.028	447.082	447.033	447.033	447.033
	458.776	459.198	459.579	446.982	446.931	446.931	446.931
	459.359	459.773	460.546	446.879	446.829	446.829	446.829
	456.817	460.354	461.527	446.771	446.715	446.715	446.715
	454.011	460.698	462.498	446.658	446.601	446.601	446.601
	451.537	459.529	463.435	446.542	446.482	446.482	446.482
	448.931	458.337	463.888	446.421	446.359	446.359	446.359
	448.279	452.908	461.911	446.293	446.231	446.231	446.231
	447.488	452.358	460.494	446.166	446.095	446.095	446.095
	447.198	452.357	459.938	446.032	445.963	445.963	445.963
	447.416	453.478	460.633	445.893	445.822	445.822	445.822
	448.268	455.343	462.578	445.750	445.678	445.678	445.678
	450.148	456.953	462.818	445.603	445.528	445.528	445.528
	450.896	458.217	462.868	445.452	445.373	445.373	445.373
	453.177	459.607	462.895	445.296	445.217	445.217	445.217
	451.989	460.221	462.891	445.136	445.053	445.053	445.053
	453.936	461.358	462.883	444.972	444.888	444.888	444.888
	455.804	461.548	462.896	444.803	444.717	444.717	444.717
	457.556	461.671	462.888	444.636	444.545	444.545	444.545
	458.353	461.728	462.892	444.453	444.365	444.365	444.365
	458.482	461.718	462.976	444.271	444.175	444.175	444.175
	458.554	461.628	463.058	444.085	443.991	443.991	443.991
	458.568	461.479	463.136	443.895	443.798	443.798	443.798
	458.526	461.253	463.218	443.700	443.601	443.601	443.601
	458.427	460.961	463.285	443.501	443.406	443.406	443.406
	458.271	461.179	463.358	443.298	443.194	443.194	443.194
	458.896	460.957	463.423	443.096	442.985	442.985	442.985
	460.048	460.681	463.108	442.878	442.776	442.776	442.776
	460.869	460.704	462.582	442.662	442.552	442.552	442.552
	460.861	462.343	462.838	442.441	442.329	442.329	442.329
	458.628	462.947	462.754	442.216	442.102	442.102	442.102
	454.826	459.836	463.959	441.987	441.876	441.876	441.876
	449.936	455.109	460.408	441.753	441.634	441.634	441.634
	447.213	450.173	452.733	441.515	441.394	441.394	441.394
	442.455	445.978	448.525	441.272	441.158	441.158	441.158
	438.869	439.738	445.028	441.026	440.901	440.901	440.901
	436.826	438.029	444.017	440.775	440.648	440.648	440.648
	436.559	438.278	446.158	440.519	440.390	440.390	440.390
	436.438	442.119	446.229	440.260	440.128	440.128	440.128
	435.578	441.051	447.243	439.996	439.862	439.862	439.862
	436.799	442.393	447.934	439.727	439.591	439.591	439.591
	435.453	443.148	448.344	439.455	439.317	439.317	439.317
	437.138	443.748	448.081	439.178	439.037	439.037	439.037
	438.607	444.118	446.078	438.896	438.754	438.754	438.754
	438.226	442.879	444.324	438.610	438.466	438.466	438.466
	439.365	440.803	442.827	438.320	438.174	438.174	438.174
	440.713	440.998	442.895	438.026	437.877	437.877	437.877
	440.243	440.723	441.823	437.727	437.576	437.576	437.576
	439.579	439.578	439.498	437.424	437.271	437.271	437.271
	438.224	437.703	437.514	437.117	436.962	436.962	436.962
	434.238	435.838	437.963	436.803	436.648	436.648	436.648
	433.557	435.811	438.207	436.489	436.336	436.336	436.336
	431.587	435.264	437.726	436.165	436.007	436.007	436.007
	433.687	436.264	437.246	435.844	435.686	435.686	435.686
	431.439	435.683	436.768	435.515	435.357	435.357	435.357
Vertical							
Schematic							
Horizontal	28						
Schematic							
Superelevation							
Schematic							
Chainage							
	27200.000	27205.000	27210.000	27215.000	27220.000	27225.000	27230.000
	27235.000	27240.000	27245.000	27250.000	27255.000	27260.000	27265.000
	27270.000	27275.000	27280.000	27285.000	27290.000	27295.000	27300.000
	27305.000	27310.000	27315.000	27320.000	27325.000	27330.000	27335.000
	27340.000	27345.000	27350.000	27355.000	27360.000	27365.000	27370.000
	27375.000	27380.000	27385.000	27390.000	27395.000	27400.000	27405.000
	27410.000	27415.000	27420.000	27425.000	27430.000	27435.000	27440.000
	27445.000	27450.000	27455.000	27460.000	27465.000	27470.000	27475.000
	27480.000	27485.000	27490.000	27495.000	27500.000	27505.000	27510.000
	27515.000	27520.000	27525.000	27530.000	27535.000	27540.000	27545.000
	27550.000	27555.000	27560.000	27565.000	27570.000	27575.000	27580.000
	27585.000	27590.000	27595.000	27600.000	27605.000	27610.000	27615.000
	27620.000	27625.000	27630.000	27635.000	27640.000	27645.000	27650.000
	27655.000	27660.000	27665.000	27670.000	27675.000	27680.000	27685.000
	27690.000	27695.000	27700.000	27705.000	27710.000	27715.000	27720.000
	27725.000	27730.000	27735.000	27740.000	27745.000	27750.000	27755.000
	27760.000	27765.000	27770.000	27775.000	27780.000	27785.000	27790.000
	27795.000	27800.000	27805.000	27810.000	27815.000	27820.000	27825.000
	27830.000	27835.000	27840.000	27845.000	27850.000	27855.000	27860.000
	27865.000	27870.000	27875.000	27880.000	27885.000	27890.000	27895.000
	27900.000	27905.000	27910.000	27915.000	27920.000	27925.000	27930.000
	27935.000	27940.000	27945.000	27950.000	27955.000	27960.000	27965.000
	27970.000	27975.000	27980.000	27985.000	27990.000	27995.000	28000.000



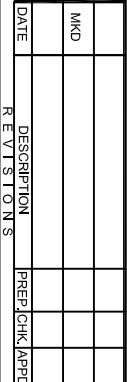
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Structure No. 172	
	Existing
Changeage	-
Type	HUME PIPE
Size	1 X0.9
FRL	-
Avg. GL	-
Height	-
Disposal	3,560
NEW CONSTRUCTION	

Structure No. 173		
Existing	Proposed	
Chimney	-	29,465
Type	HUME PIPE	SLAB
Size	1 X 0.9	1 X 1.5
FRL	-	1384.281
Avg. GL	-	1376.805
Height	-	7.476
Proposal	RECONSTRUCTION	

Structure No. 174		
	Existing	Proposed
Changeage	-	29.560
Type	HUME PIPE	SLAB
Size	1 X0.9	1 X 1.5
FRL	-	1380.956
Avg. GL	-	1375.130
Height	-	5.826
Proposal		RECONSTRUCTION



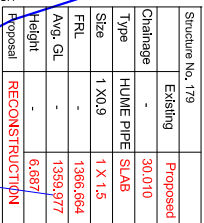


Structure No. 177		
	Existing	Proposed
Chimney	-	29.785
Type	HUME PIPE	SLAB
Size	1 X0.9	1 X 1.5
FRL	-	1373.089
Avg. G/L	-	1372.713
Height	-	0.366
Proposal	RECONSTRUCTION	

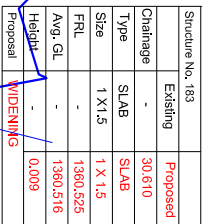
Proposal	Structure No. 180		
	Existing	Proposed	
	Chainage	-	30.090
	Type	HUME PIPE	SLAB
	Size	1 X0.9	1 X 1.5
	FRL		1366.725
	Avg. GL	-	1373.822
	Height	-	-8.097
NEW CONSTRUCTION			

Proposed Floodproofing	Structure No. 181		
	Existing	Proposed	
	Chainage	-	30.225
	Type	HUME PIPE	SLAB
	Size	1 X0.9	1 X 1.5
	FRL	-	1364.375
	Avg. GL	-	1361.655
	Height	-	2.720
	RECONSTRUCTION		

Structure No. 182		
	Existing	Proposed
Chainage	-	30,360
Type	NEW	SLAB
Size	-	1 x 1.5
FRL	-	1363.025
Avg. GL	-	1362.217
Height	-	0.809
Proposal	NEW CONSTRUCTION	

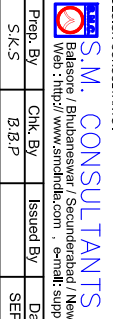


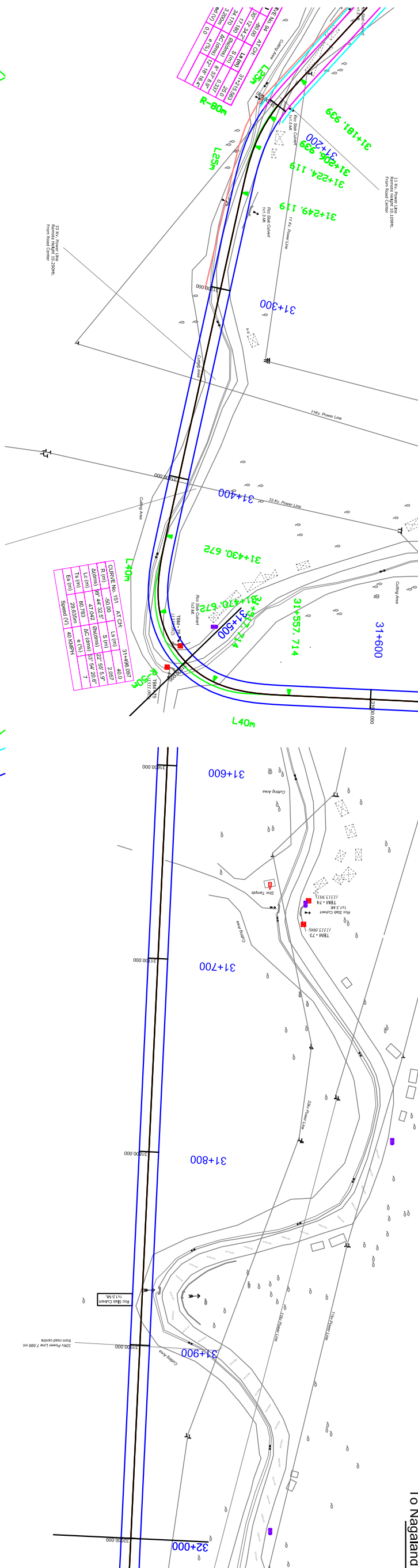
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Structure No. 184		
	Existing	Proposed
Changeage	-	30,810
Type	HUME PIPE	SLAB
Size	1 X0.9	1 X 1.5
FRL		1358,525
Avg. GL	-	1358,990
Height	-	1,535
Proposal	RECONSTRUCTION	

Structure No. 185		
	Existing	Proposed
Changeage	-	31,140
Type	SLAB	SLAB
Size	1 X 1.5	1 X 1.5
FRL	-	1351,227
Avg. GL	-	1344,193
Height	-	7.534
Proposal	NEWCONSTRUCTION	





Structure No. 186		Proposed
Chainage	Existing	31.205
Type	SLAB	SLAB
Size	1 X 1.5	1 X 1.5
FRL		1346.366
Avg. Gl.	-	1342.999
Height	-	5.367
Proposal	WIDENING	

Structure No. 187		Proposed
	Existing	
Challange	-	31,260
Type	SLAB	SLAB
Size	1 X 1.3	1 X 1.3
FRL	-	1345.743
Avg. GL	-	1342.300
Height	-	3.443
Proposal	WIDENING	

Structure No. 188		
	Existing	Proposed
Chaining	-	31,500
Type	SLAB	SLAB
Size	1 X 3.0	1 X 3.0
FRL	-	1333.743
Avg. GL	-	1329.227
Height	-	4.516
Proposal	WIDENING	

Structure No. 189		Proposed
	Existing	
Charnage	-	31,650
Type	SLAB	SLAB
Size	1 X 1.3	1 X 1.3
FRL		1326.243
Avg. Gl.	-	1326.718
Height	-	-2.475
Proposed		NEW CONSTRUCTION

Structure No. 190		
	Existing	Proposed
Changlunge	-	31,870
Type	SLAB	SLAB
Size	1 X 1.5	1 X 1.5
FRL	-	1315.243
Avg. GL	-	1298.515
Height	-	16.428
Proposal	NEWCONSTRUCTION	

