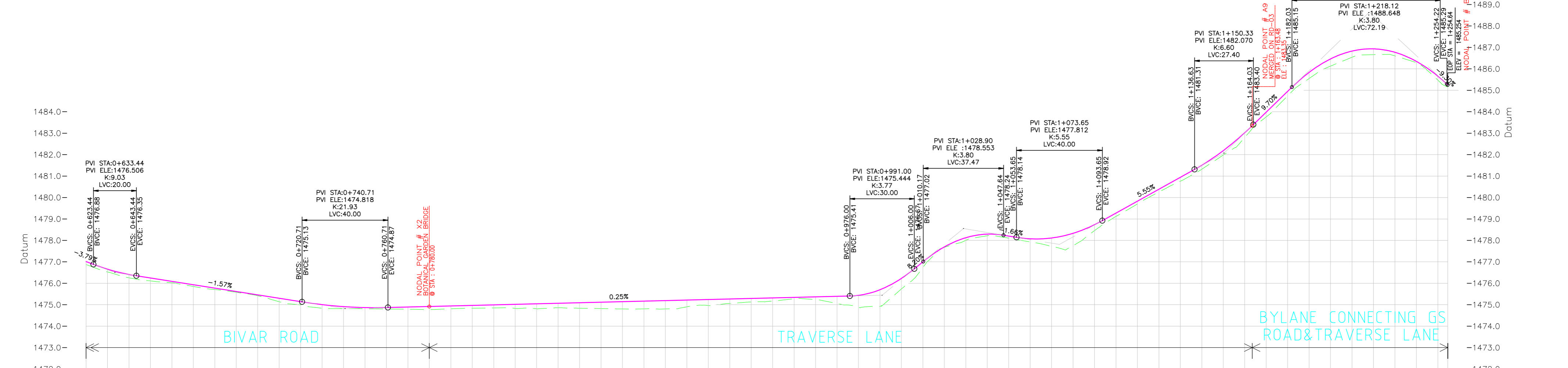
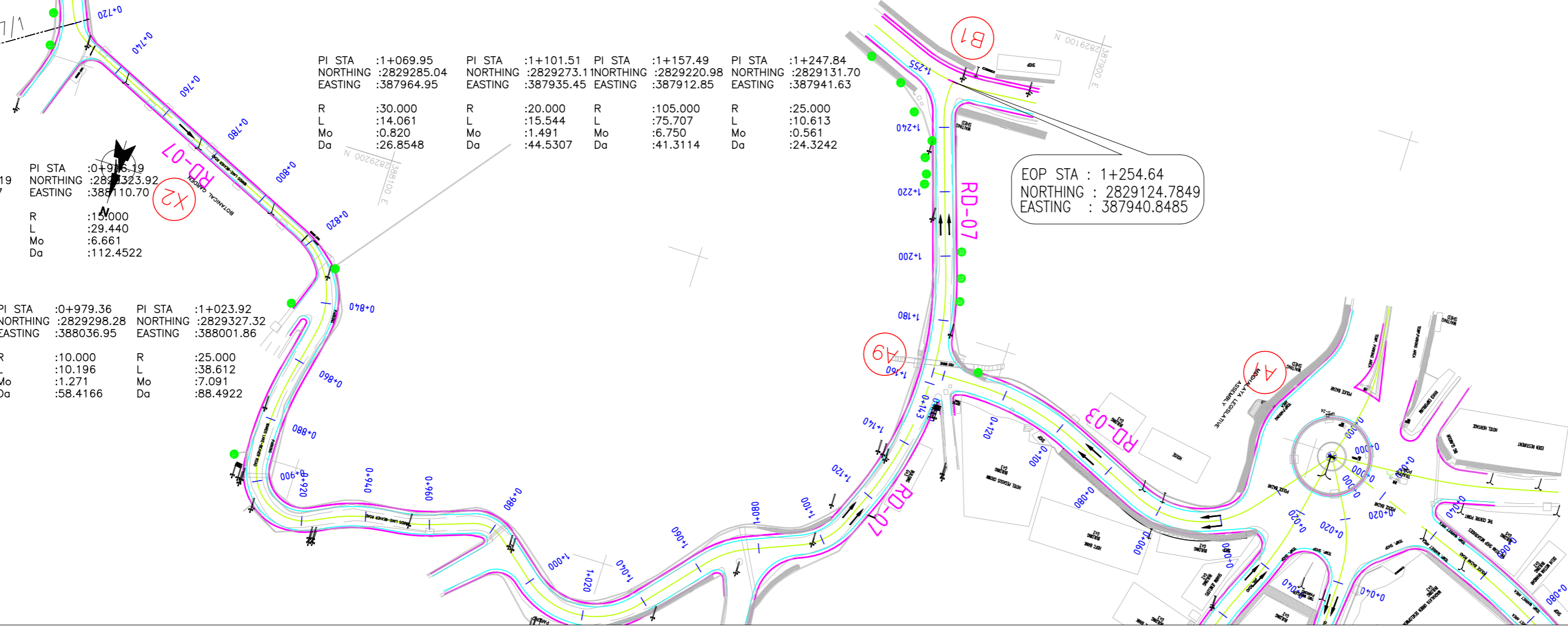


For Previous Sheet Ref. Drg No. SH/PP-07/1 MATCH LINE

PI STA	:+0+836.00	PI STA	:+0+878.58	PI STA	:+0+913.39
NORTHING	:2829238.32	NORTHING	:2829286.19	NORTHING	:2829323.92
EASTING	:388102.21	EASTING	:388112.97	EASTING	:388110.70
R	:25.000	R	:100.000	R	:100.000
L	:34.080	L	:28.086	L	:29.440
Mo	:5.586	Mo	:0.984	Mo	:6.661
Da	:78.1058	Da	:16.0924	Da	:112.4522

PI STA	:+1+069.95	PI STA	:+1+101.51	PI STA	:+1+157.49	PI STA	:+1+247.84
NORTHING	:2829285.04	NORTHING	:2829273.1	NORTHING	:2829220.98	NORTHING	:2829131.70
EASTING	:387964.95	EASTING	:387935.45	EASTING	:387912.85	EASTING	:387941.63
R	:30.000	R	:20.000	R	:105.000	R	:25.000
L	:14.061	L	:15.544	L	:75.707	L	:10.613
Mo	:0.820	Mo	:1.491	Mo	:6.750	Mo	:0.561
Da	:26.8548	Da	:44.5307	Da	:41.3114	Da	:24.3242

- Legend**
- Existing carriageway edge
 - Proposed C/L
 - Existing ground level (EGL)
 - Finished Road level (FRL)



Station	Existing ground Level	Proposed Ground Level	Vertical Geometry	Horizontal Geometry	Superelevation	TCS Applicable
0+620	1476.871	1477.015	K:9.035 LVC:20.00	L=8.06 R=20	+2.50% -2.50%	TYPE-1
0+630	1476.551	1476.660	K:9.03 LVC:20.00	L=15.22 R=15	+2.50% -2.50%	
0+640	1476.254	1476.409	K:9.03 LVC:20.00	L=22.83 R=20	+2.50% -2.50%	
0+650	1476.111	1476.246	K:9.03 LVC:20.00	R=50 L=23.86	+2.50% -2.50%	
0+660	1476.025	1476.088	K:9.03 LVC:20.00	L=11.2 R=15	+2.50% -2.50%	
0+670	1475.853	1475.931	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+680	1475.709	1475.773	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+690	1475.585	1475.616	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+700	1475.421	1475.459	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+710	1475.140	1475.301	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+720	1474.994	1475.144	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+730	1474.838	1475.006	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+740	1474.816	1474.914	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+750	1474.816	1474.867	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+760	1474.802	1474.866	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+770	1474.789	1474.891	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+780	1474.776	1474.916	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+790	1474.808	1474.941	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+800	1474.836	1474.966	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+810	1474.850	1474.991	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+820	1474.831	1475.016	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+830	1474.813	1475.041	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+840	1474.859	1475.066	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+850	1474.839	1475.091	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+860	1474.822	1475.116	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+870	1474.804	1475.141	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+880	1474.809	1475.166	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+890	1474.805	1475.191	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+900	1474.904	1475.216	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+910	1474.965	1475.241	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+920	1475.061	1475.266	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+930	1475.131	1475.291	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+940	1475.171	1475.316	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+950	1475.279	1475.341	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+960	1475.237	1475.366	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+970	1475.057	1475.391	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+980	1474.888	1475.437	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
0+990	1474.927	1475.701	K:21.934 LVC:40.00	L=11.17 R=15	+2.50% -2.50%	
1+000	1475.739	1476.230	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	TYPE-2A
1+010	1476.737	1477.002	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+020	1477.679	1477.695	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+030	1478.002	1478.126	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+040	1478.217	1478.293	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+050	1478.107	1478.204	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+060	1477.930	1478.075	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+070	1477.721	1478.114	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+080	1477.754	1478.333	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+090	1478.459	1478.732	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+100	1479.119	1479.275	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+110	1479.701	1479.831	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+120	1480.257	1480.386	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+130	1480.761	1480.941	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+140	1481.321	1481.505	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+150	1481.980	1482.187	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+160	1482.799	1483.020	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+170	1483.758	1483.978	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+180	1484.741	1484.949	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+190	1485.551	1485.835	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+200	1486.127	1486.464	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+210	1486.539	1486.830	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+220	1486.661	1486.932	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+230	1486.603	1486.772	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+240	1486.293	1486.348	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+250	1485.480	1485.661	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	
1+254.645	1485.151	1485.234	K:3.772 LVC:37.47	L=15.60 R=10	+2.50% -2.50%	TYPE-3B

DRAWINGS ARE FOR TENDER PURPOSES ONLY

Designed : IPEG

Client

SHILLONG SMART CITY LIMITED

Submitted By



Project:

DEVELOPMENT OF SMART ROAD IN SHILLONG

Drg No SH/PP-07/2

Scale : 1:1000 HOR 1:1000 VER

Date : 29.01.2020

Rev R1

R1	14.01.2020	REVISED AS PER CLIENTS COMMENTS	DINFRA	24.01.2020
Rev	dd/mm/yyyy	Description	Rev by	dd/mm/yyyy

Checked : IPE

Approved :

Drg Title: (RD-07 SHEET 02 OF 02) Plan and Longitudinal Profile (From STA : 0+620 to STA : 1+254.645)

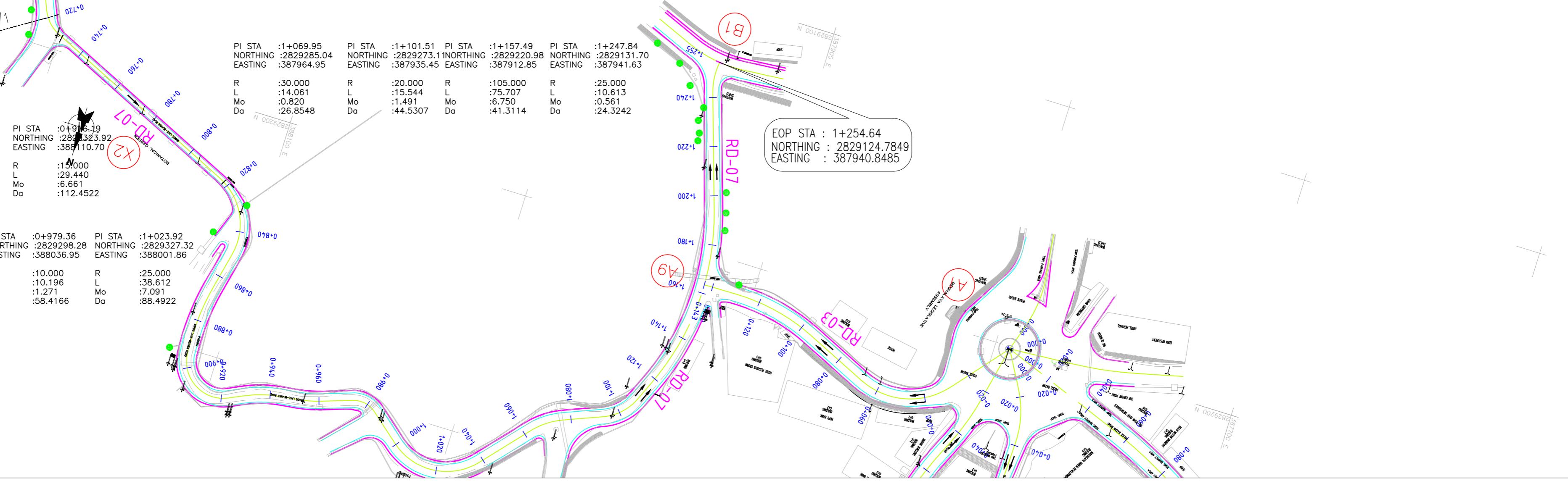
For Previous Sheet
Ref. Drg No. SH/PP-07/1
MATCH LINE

PI STA :+1069.95	PI STA :+1101.51	PI STA :+1157.49	PI STA :+1247.84
NORTHING :2829285.04	NORTHING :2829273.1	NORTHING :2829220.98	NORTHING :2829131.70
EASTING :387964.95	EASTING :387935.45	EASTING :387912.85	EASTING :387941.63
R :30.000	R :20.000	R :105.000	R :25.000
L :14.061	L :15.544	L :75.707	L :10.613
Mo :0.820	Mo :1.491	Mo :6.750	Mo :0.561
Da :26.8548	Da :44.5307	Da :41.3114	Da :24.3242

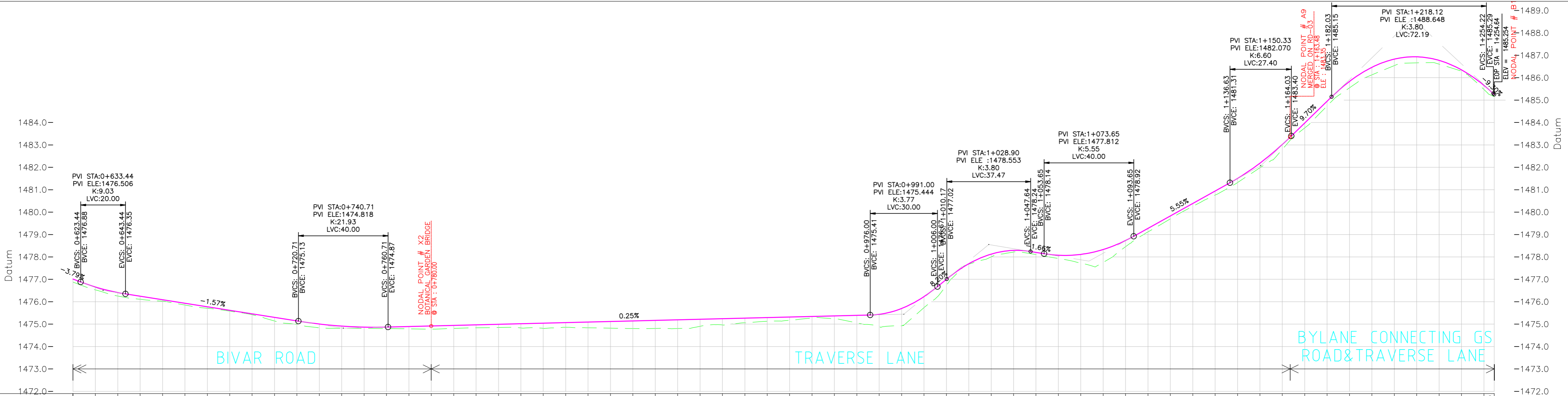
PI STA :+0+836.00	PI STA :+0+878.58	PI STA :+0+916.39
NORTHING :2829238.32	NORTHING :2829286.19	NORTHING :2829323.92
EASTING :388102.21	EASTING :388112.97	EASTING :388110.70
R :25.000	R :100.000	R :100.000
L :34.080	L :28.086	L :29.440
Mo :5.586	Mo :0.984	Mo :6.661
Da :78.1058	Da :16.0924	Da :112.4522

PI STA :+0+936.94	PI STA :+0+955.53	PI STA :+0+979.36	PI STA :+1+023.92
NORTHING :2829308.13	NORTHING :2829305.98	NORTHING :2829298.28	NORTHING :2829327.32
EASTING :388078.17	EASTING :388059.55	EASTING :388036.95	EASTING :388001.86
R :50.000	R :50.000	R :10.000	R :25.000
L :16.830	L :10.650	L :10.196	L :38.612
Mo :0.706	Mo :0.283	Mo :1.271	Mo :7.091
Da :19.2656	Da :12.2045	Da :58.4166	Da :88.4922

- Legend**
- Existing carriageway edge
 - Proposed C/L
 - Existing ground level (EGL)
 - Finished Road level (FRL)



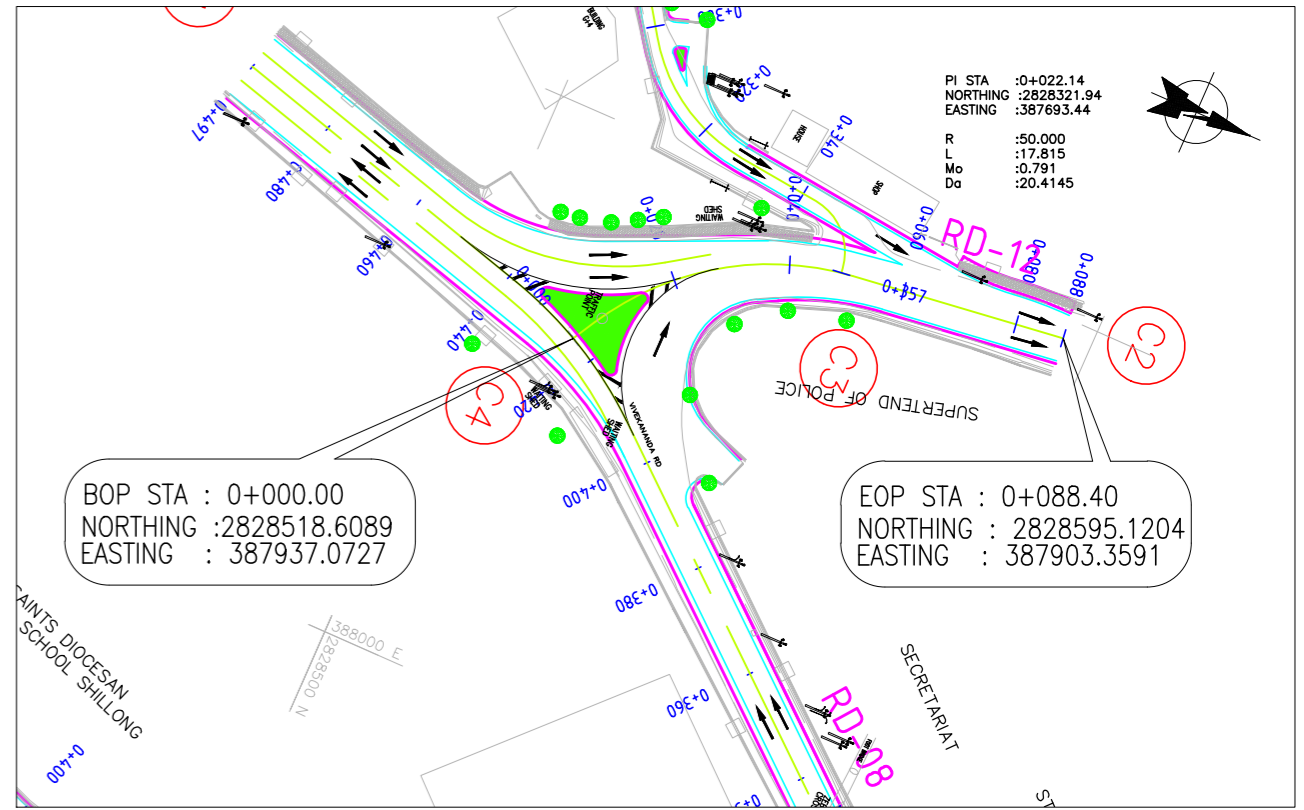
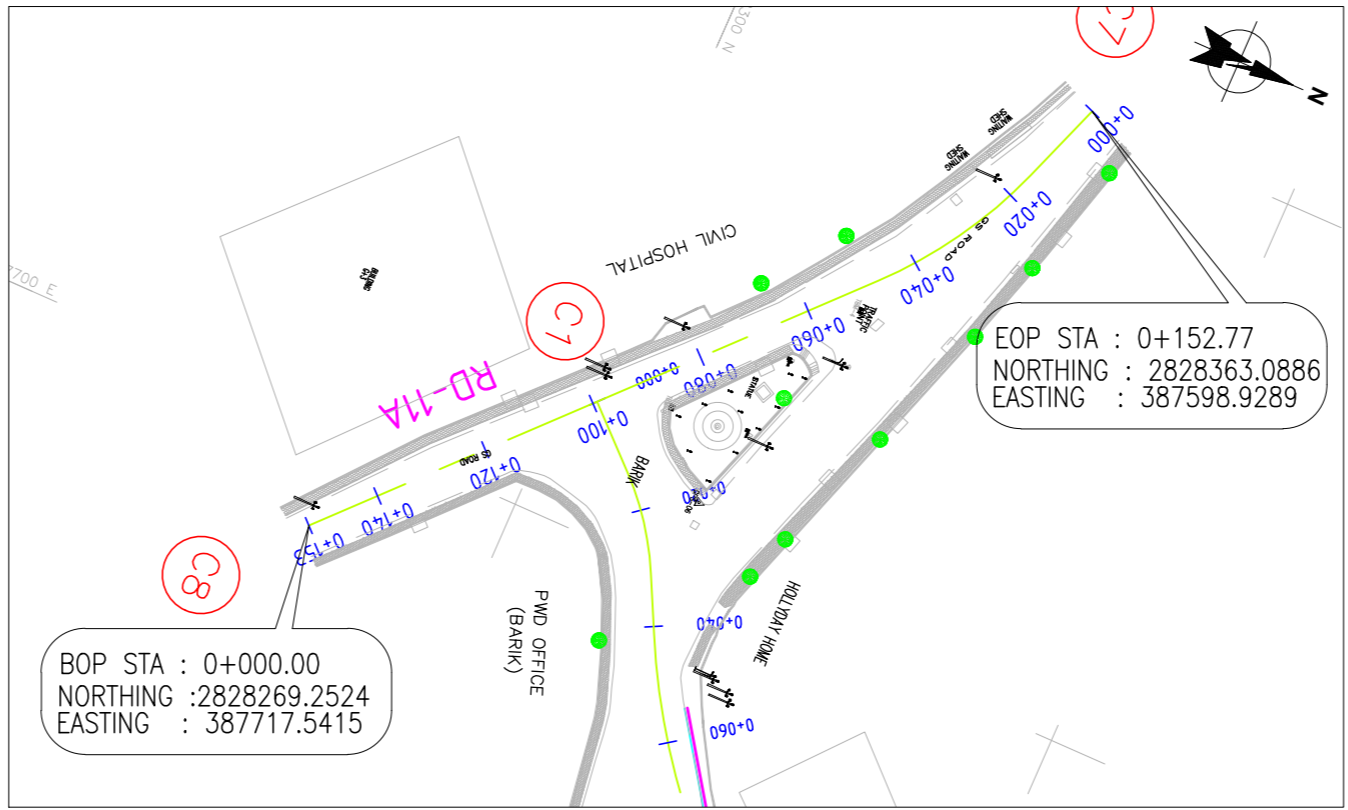
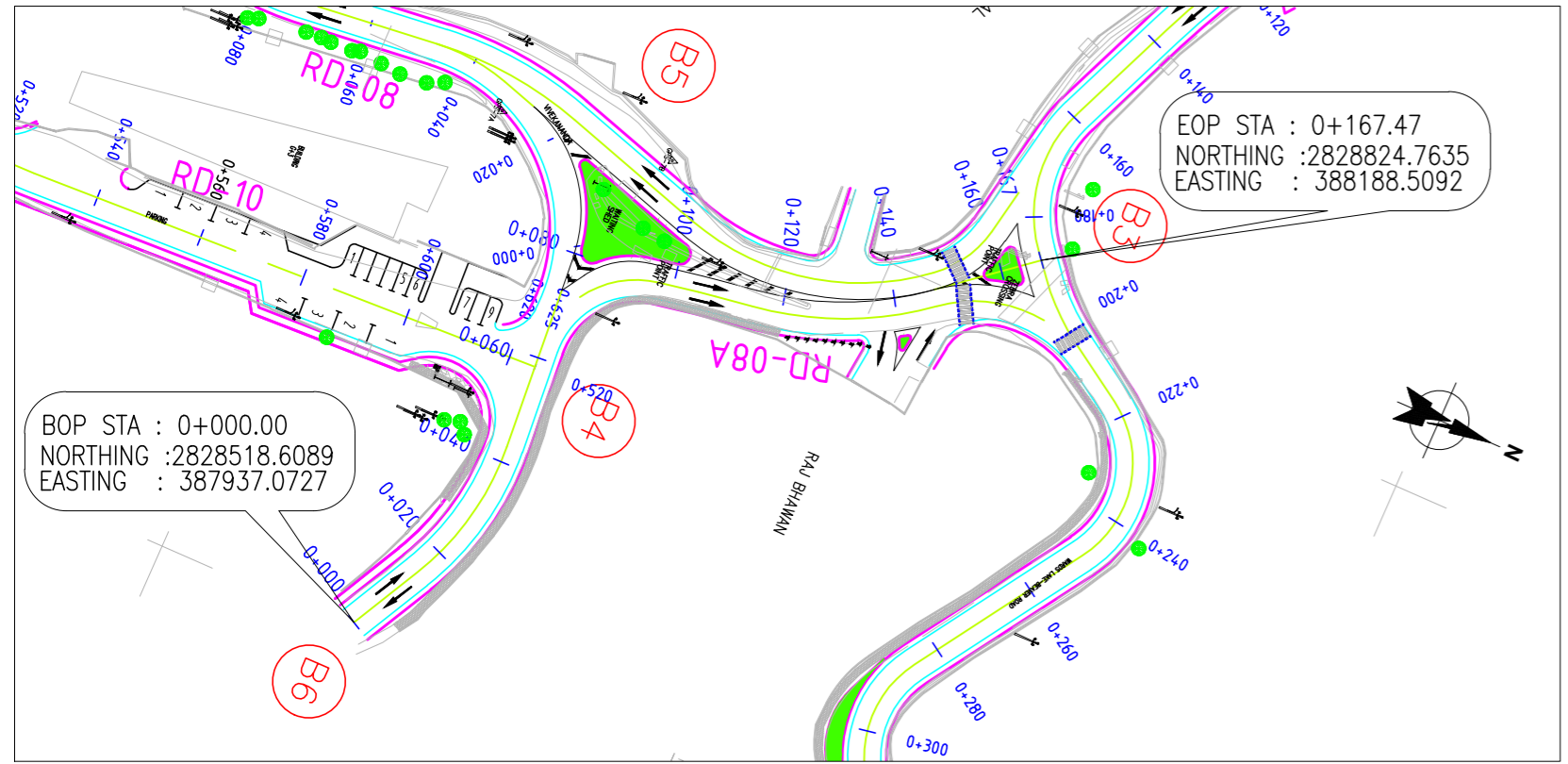
EOP STA : 1+254.64
NORTHING : 2829124.7849
EASTING : 387940.8485



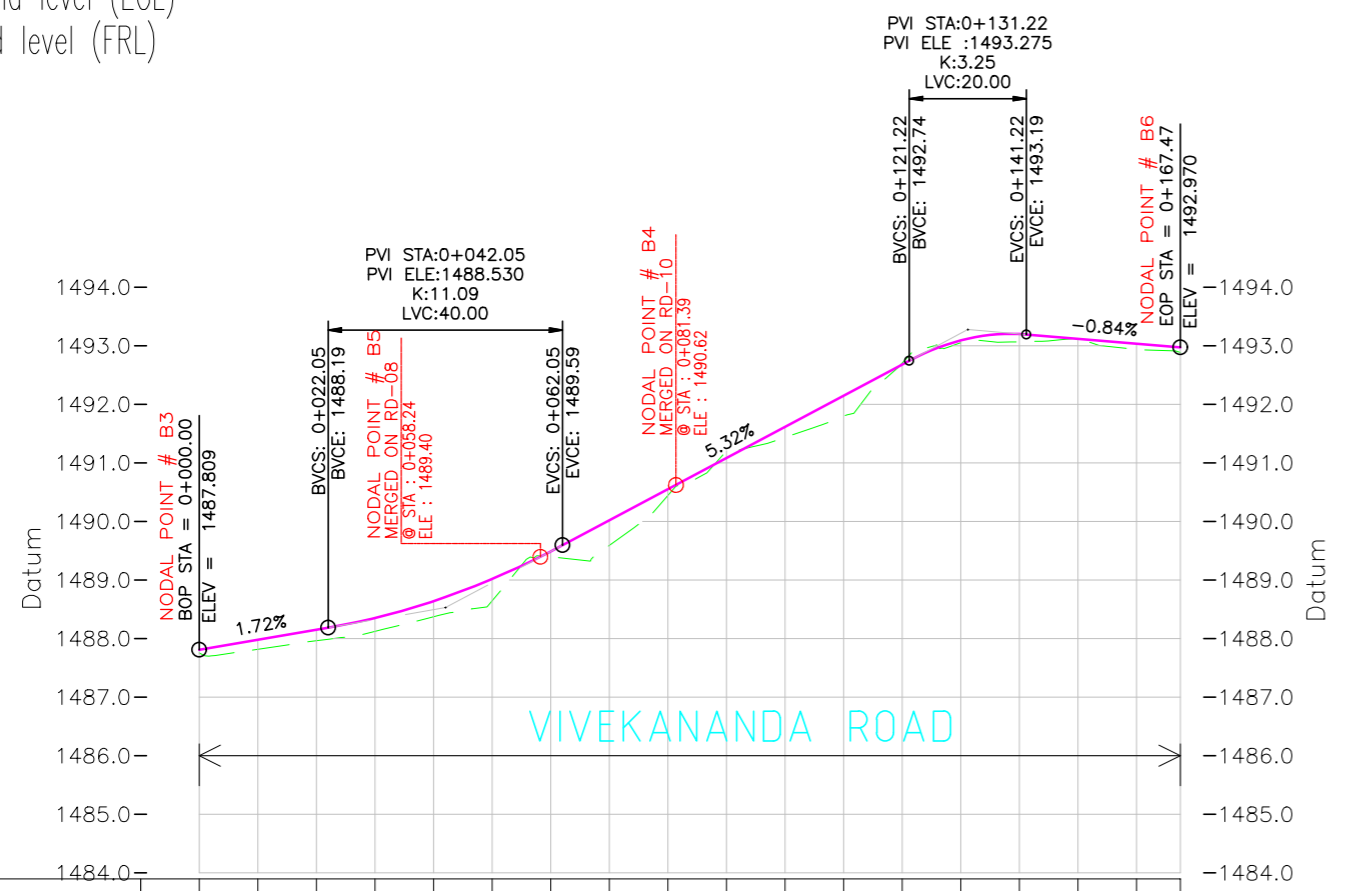
Station	Existing ground Level	Proposed Ground Level	Vertical Geometry	Horizontal Geometry	Superelevation	TCS Applicable
0+620	1476.871	1477.015	K:9.035 LVC:20.00	L=8.06 R=20	+2.50% -2.50%	TYPE-1
0+630	1476.551	1476.660	K:9.03 LVC:20.00	L=15.22	+2.50% -2.50%	TYPE-1
0+640	1476.254	1476.409	K:9.03 LVC:20.00	L=22.83	+2.50% -2.50%	TYPE-1
0+650	1476.111	1476.246	K:9.03 LVC:20.00	R=50 L=23.86	+2.50% -2.50%	TYPE-1
0+660	1476.025	1476.088	K:9.03 LVC:20.00	L=11.2	+2.50% -2.50%	TYPE-1
0+670	1475.853	1475.931	K:9.03 LVC:20.00	L=15	+2.50% -2.50%	TYPE-1
0+680	1475.709	1475.773	K:9.03 LVC:20.00	L=11.17	+2.50% -2.50%	TYPE-1
0+690	1475.585	1475.616	K:9.03 LVC:20.00	L=87.66	+2.50% -2.50%	TYPE-1
0+700	1475.421	1475.459	K:9.03 LVC:20.00	R=25 L=34.08	+2.50% -2.50%	TYPE-1
0+710	1475.140	1475.301	K:9.03 LVC:20.00	L=14.65	+2.50% -2.50%	TYPE-1
0+720	1474.994	1475.144	K:9.03 LVC:20.00	R=100 L=28.09	+2.50% -2.50%	TYPE-1
0+730	1474.838	1475.006	K:9.03 LVC:20.00	L=1.23	+2.50% -2.50%	TYPE-1
0+740	1474.816	1474.914	K:9.03 LVC:20.00	R=15 L=29.44	+2.50% -2.50%	TYPE-1
0+750	1474.816	1474.867	K:9.03 LVC:20.00	L=5.24	+2.50% -2.50%	TYPE-1
0+760	1474.802	1474.866	K:9.03 LVC:20.00	R=4.9	+2.50% -2.50%	TYPE-1
0+770	1474.789	1474.891	K:9.03 LVC:20.00	L=12.9	+2.50% -2.50%	TYPE-1
0+780	1474.776	1474.916	K:9.03 LVC:20.00	R=10 L=15.60	+2.50% -2.50%	TYPE-1
0+790	1474.808	1474.941	K:9.03 LVC:20.00	L=16.83	+2.50% -2.50%	TYPE-1
0+800	1474.836	1474.966	K:9.03 LVC:20.00	L=10.65	+2.50% -2.50%	TYPE-1
0+810	1474.850	1474.991	K:9.03 LVC:20.00	L=12.9	+2.50% -2.50%	TYPE-1
0+820	1474.831	1475.016	K:9.03 LVC:20.00	R=10 L=15.60	+2.50% -2.50%	TYPE-1
0+830	1474.813	1475.041	K:9.03 LVC:20.00	L=15.60	+2.50% -2.50%	TYPE-1
0+840	1474.859	1475.066	K:9.03 LVC:20.00	R=25 L=38.61	+2.50% -2.50%	TYPE-1
0+850	1474.839	1475.091	K:9.03 LVC:20.00	L=24.61	+2.50% -2.50%	TYPE-1
0+860	1474.822	1475.116	K:9.03 LVC:20.00	R=30 L=16.47	+2.50% -2.50%	TYPE-1
0+870	1474.804	1475.141	K:9.03 LVC:20.00	R=20 L=9.04	+2.50% -2.50%	TYPE-1
0+880	1474.809	1475.166	K:9.03 LVC:20.00	R=105 L=75.71	+2.50% -2.50%	TYPE-1
0+890	1474.805	1475.191	K:9.03 LVC:20.00	L=48.84	+2.50% -2.50%	TYPE-1
0+900	1474.904	1475.216	K:9.03 LVC:20.00	R=25 L=10.61	+2.50% -2.50%	TYPE-1
0+910	1474.965	1475.241	K:9.03 LVC:20.00	L=10.61	+2.50% -2.50%	TYPE-1
0+920	1475.061	1475.266	K:9.03 LVC:20.00	L=10.61	+2.50% -2.50%	TYPE-1
0+930	1475.131	1475.291	K:9.03 LVC:20.00	L=10.61	+2.50% -2.50%	TYPE-1
0+940	1475.171	1475.316	K:9.03 LVC:20.00	L=10.61	+2.50% -2.50%	TYPE-1
0+950	1475.279	1475.341	K:9.03 LVC:20.00	L=10.61	+2.50% -2.50%	TYPE-1
0+960	1475.237	1475.366	K:9.03 LVC:20.00	L=10.61	+2.50% -2.50%	TYPE-1
0+970	1475.057	1475.391	K:9.03 LVC:20.00	L=10.61	+2.50% -2.50%	TYPE-1
0+980	1474.888	1475.437	K:9.03 LVC:20.00	L=10.61	+2.50% -2.50%	TYPE-1
0+990	1474.927	1475.701	K:9.03 LVC:20.00	L=10.61	+2.50% -2.50%	TYPE-1
1+000	1475.739	1476.230	K:3.772 LVC:37.47	L=10.61	+2.50% -2.50%	TYPE-1
1+010	1476.737	1477.002	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+020	1477.679	1477.695	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+030	1478.002	1478.126	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+040	1478.217	1478.293	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+050	1478.107	1478.204	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+060	1477.930	1478.075	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+070	1477.721	1478.114	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+080	1477.754	1478.333	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+090	1478.459	1478.732	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+100	1479.119	1479.275	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+110	1479.701	1479.831	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+120	1480.257	1480.386	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+130	1480.761	1480.941	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+140	1481.321	1481.505	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+150	1481.980	1482.187	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+160	1482.799	1483.020	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+170	1483.758	1483.978	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+180	1484.741	1484.949	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+190	1485.551	1485.835	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+200	1486.127	1486.464	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+210	1486.539	1486.830	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+220	1486.661	1486.932	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+230	1486.603	1486.772	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+240	1486.293	1486.348	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+250	1485.480	1485.661	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1
1+254.645	1485.151	1485.234	K:3.77 LVC:30.00	L=10.61	+2.50% -2.50%	TYPE-1

DRAWINGS ARE FOR TENDER PURPOSES ONLY

Designed : IPEG	Client : SHILLONG SMART CITY LIMITED	Submitted By : IPE GLOBAL	Project : DEVELOPMENT OF SMART ROAD IN SHILLONG	Drg No : SH/PP-07/2
Checked : [Signature]				Scale : 1:1000 HQR 1:100 VER
Approved : [Signature]				Date : 29.01.2020
Rev dd/mm/yyyy	Description	Rev by dd/mm/yyyy	Drg Title : (RD-07 SHEET 02 OF 02) Plan and Longitudinal Profile (From STA : 0+620 to STA : 1+254.645)	Contract No. : [Blank]

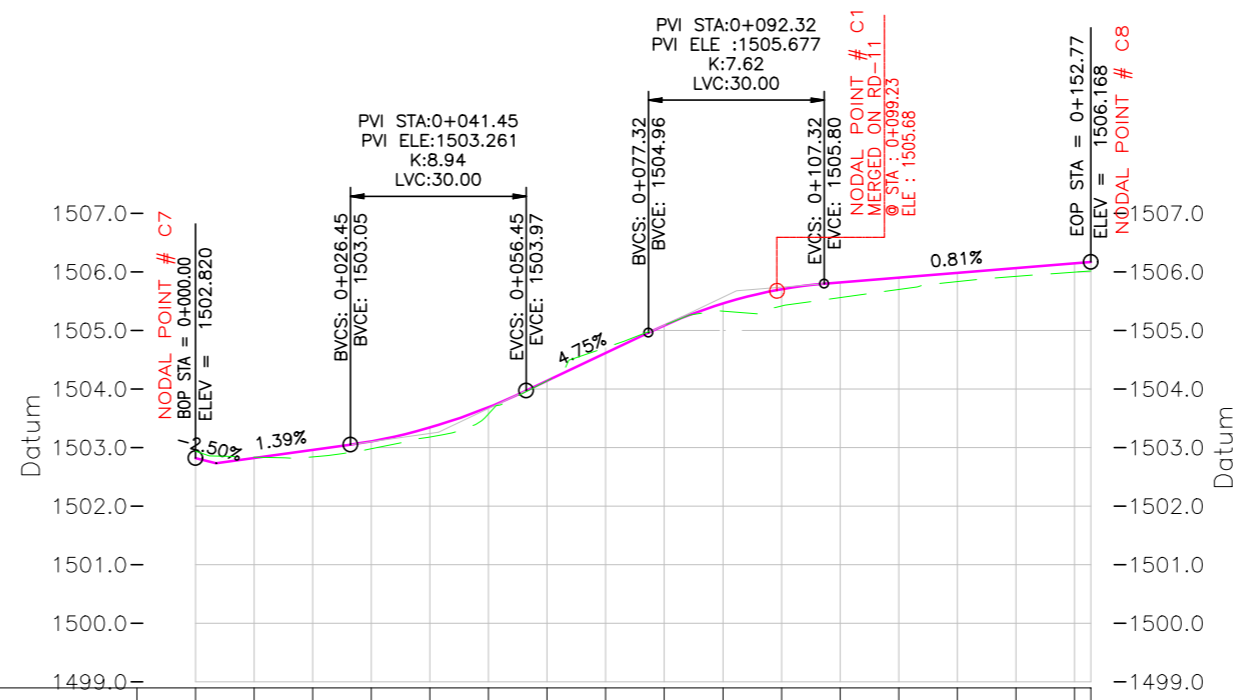


- Legend**
- Existing carriageway edge
 - Proposed C/L
 - Existing ground level (EGL)
 - Finished Road level (FRL)



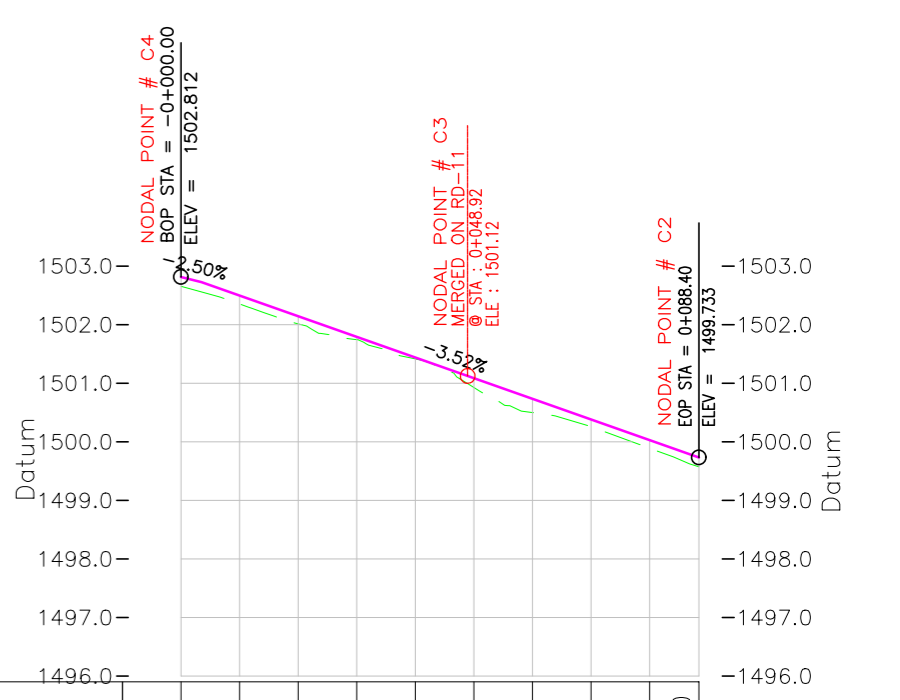
Station	Existing ground Level	Proposed Ground Level	Vertical Geometry	Horizontal Geometry	Superelevation	TCS Applicable
0+000	1487.754	1487.809				
0+010	1487.820	1487.980	1.72% 22.05	L=14.65	+2.50%	
0+020	1487.963	1488.152		R=50 L=28.23	+2.50%	
0+030	1488.124	1488.352			-2.50%	
0+040	1488.372	1488.640	K:11.093 40.00	L=38.51	-2.50%	
0+050	1488.643	1489.019			-2.50%	
0+060	1489.393	1489.487		L=23.29	-2.50%	
0+070	1489.590	1490.017		R=60 L=32.11	-2.50%	
0+080	1490.441	1490.549	5.32% 59.17		+2.50%	
0+090	1491.205	1491.082			+2.50%	
0+100	1491.434	1491.614			+2.50%	
0+110	1491.796	1492.146			+2.50%	
0+120	1492.706	1492.678			+2.50%	
0+130	1493.049	1493.091			+2.50%	
0+140	1493.067	1493.199			+2.50%	
0+150	1493.124	1493.117			+2.50%	
0+160	1492.933	1493.033	0.84% 26.24	L=20.43	+2.50%	
0+167.47	1492.882	1492.970			+2.50%	

Longitudinal Profile (Road # 08A)



Station	Existing ground Level	Proposed Ground Level	Vertical Geometry	Horizontal Geometry	Superelevation	TCS Applicable
0+000	1502.938	1502.820				
0+010	1502.838	1502.823	-2.60% 3.30	L=15.21	+2.50%	
0+020	1502.840	1502.962	1.39% 22.95		+2.50%	
0+030	1502.980	1503.109		R=80 L=31.82	+2.50%	
0+040	1503.183	1503.344			+2.50%	
0+050	1503.579	1503.690	K:8.940 30.00		+2.50%	
0+060	1504.139	1504.142	4.75% 20.86		+2.50%	
0+070	1504.706	1504.617			+2.50%	
0+080	1505.090	1505.087			+2.50%	
0+090	1504.688	1505.461			+2.50%	
0+100	1505.418	1505.704		L=105.74	+2.50%	
0+110	1505.562	1505.820			+2.50%	
0+120	1505.700	1505.901			+2.50%	
0+130	1505.832	1505.983			+2.50%	
0+140	1505.922	1506.064	0.81% 45.46		+2.50%	
0+150	1505.996	1506.145			+2.50%	
0+152.77	1506.017	1506.168			+2.50%	

Longitudinal Profile (Road # 11A)

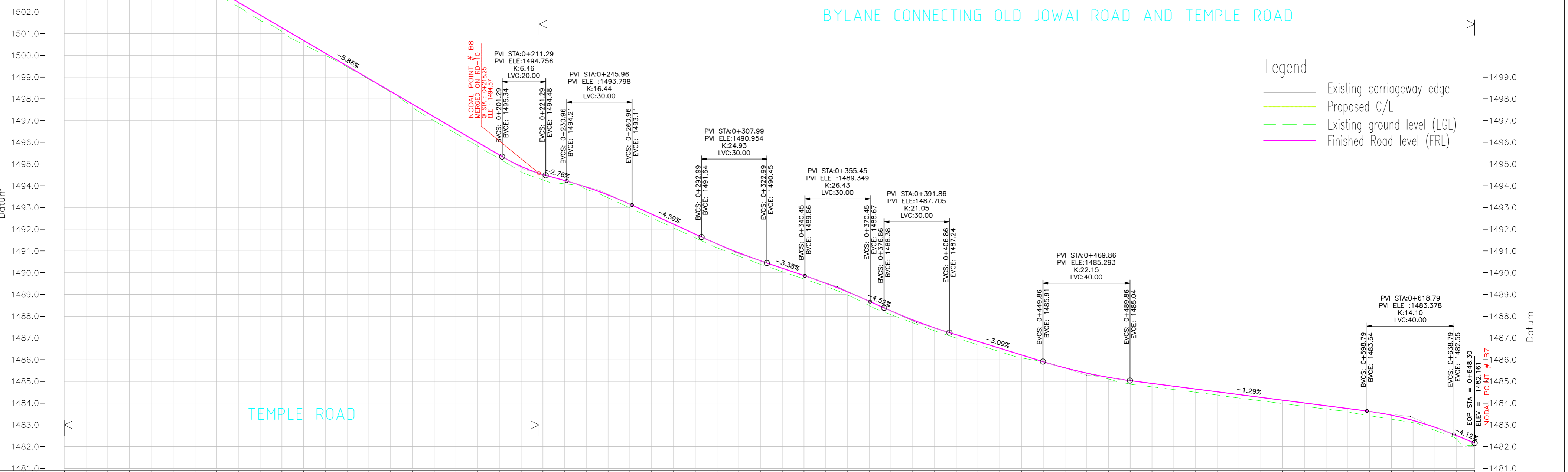
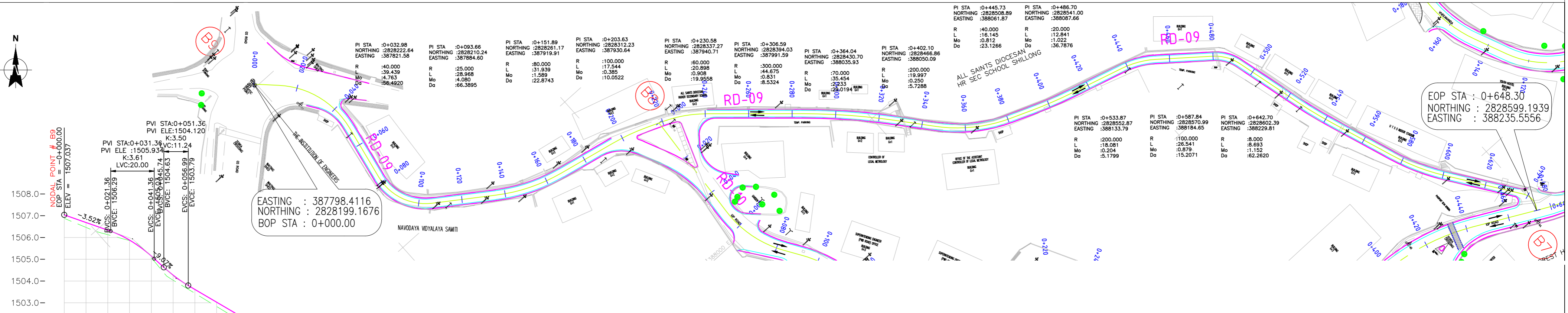


Station	Existing ground Level	Proposed Ground Level	Vertical Geometry	Horizontal Geometry	Superelevation	TCS Applicable
0+000	1502.653	1502.812				
0+010	1502.352	1502.496	-2.60% 3.30	L=4.40	+2.50%	
0+020	1502.014	1502.143			+2.50%	
0+030	1501.745	1501.791		R=50 L=46.55	+2.50%	
0+040	1501.417	1501.438			+2.50%	
0+050	1500.926	1501.086	-3.52% 84.90		+2.50%	
0+060	1500.496	1500.734			+2.50%	
0+070	1500.257	1500.381			+2.50%	
0+080	1499.890	1500.029			+2.50%	
0+088.40	1499.574	1499.733			+2.50%	

Longitudinal Profile (Road # 12)

DRAWINGS ARE FOR TENDER PURPOSES ONLY

Designed : IPEG	Client : SHILLONG SMART CITY LIMITED	Submitted By : IPE GLOBAL	Project : DEVELOPMENT OF SMART ROAD IN SHILLONG	Drg No : SH/PP-BA_11A_12
Checked : IPEG				Scale : 1:1000 HGR 1:100 VER
Approved : IPEG				Date : 29.01.2020
Rev 14.01.2020	REVISED AS PER CLIENTS COMMENTS	DIN/RA 24.01.2020		Contract No. : Rev R1
Rev dd/mm/yyyy	Description	Rev by dd/mm/yyyy	Drg Title : (RD-8A, 11A & 12) Plan and Longitudinal Profile (From STA : 0+000 to STA : 0+167.47) (From STA : 0+000 to STA : 0+152.77) (From STA : 0+000 to STA : 0+088.40)	



- Legend**
- Existing carriageway edge
 - Proposed C/L
 - Existing ground level (EGL)
 - Finished Road level (FRL)

Station	Existing ground Level	Proposed Ground Level	Vertical Geometry	Horizontal Geometry	Superelevation	TCS Applicable
0+000	1506.877	1507.037		L=11.49	+2.50%	
0+010	1506.462	1506.685		R=40 L=39.44	+2.50%	
0+020	1506.128	1506.333		L=26.38	+2.50%	
0+030	1505.856	1505.878		R=25 L=28.97	+2.50%	
0+040	1505.066	1505.147		L=29.43	+2.50%	
0+050	1504.038	1504.269		R=80 L=31.94	+2.50%	
0+060	1503.436	1503.614		L=27.19	+2.50%	
0+070	1502.832	1503.028		R=100 L=17.54	+2.50%	
0+080	1502.236	1502.443		R=60 L=20.90	+2.50%	
0+090	1501.613	1501.857		L=43.29	+2.50%	
0+100	1501.095	1501.272		R=300 L=44.68	+2.50%	
0+110	1500.497	1500.686		L=17.04	+2.50%	
0+120	1500.003	1500.101		R=70 L=35.45	+2.50%	
0+130	1499.467	1499.515		L=10.71 R=200 L=20.00	+2.50%	
0+140	1498.907	1498.930		L=25.46	+2.50%	
0+150	1498.319	1498.344		R=40 L=16.15	+2.50%	
0+160	1497.615	1497.759		L=26.35	+2.50%	
0+170	1496.985	1497.173		R=20 L=12.84	+2.50%	
0+180	1496.409	1496.588		L=31.94	+2.50%	
0+190	1495.833	1496.002		R=200 L=18.08	+2.50%	
0+200	1495.240	1495.417		L=31.59	+2.50%	
0+210	1494.642	1494.890		R=100 L=26.54	+2.50%	
0+220	1494.070	1494.516		L=36.83	+2.50%	
0+230	1493.488	1494.239		R=8 L=8.69	+2.50%	
0+240	1493.833	1493.938			+2.50%	
0+250	1493.444	1493.577			+2.50%	
0+260	1492.984	1493.154			+2.50%	
0+270	1492.525	1492.696			+2.50%	
0+280	1492.065	1492.238			+2.50%	
0+290	1491.606	1491.779			+2.50%	
0+300	1491.151	1491.330			+2.50%	
0+310	1490.768	1490.920			+2.50%	
0+320	1490.386	1490.550			+2.50%	
0+330	1490.052	1490.210			+2.50%	
0+340	1489.711	1489.872			+2.50%	
0+350	1489.371	1489.516			+2.50%	
0+360	1488.975	1489.123			+2.50%	
0+370	1488.492	1488.692			+2.50%	
0+380	1488.071	1488.242			+2.50%	
0+390	1487.697	1487.829			+2.50%	
0+400	1487.327	1487.464			+2.50%	
0+410	1486.997	1487.144			+2.50%	
0+420	1486.682	1486.834			+2.50%	
0+430	1486.368	1486.525			+2.50%	
0+440	1486.077	1486.216			+2.50%	
0+450	1485.907	1485.907			+2.50%	
0+460	1485.635	1485.621			+2.50%	
0+470	1485.371	1485.380			+2.50%	
0+480	1485.111	1485.185			+2.50%	
0+490	1484.876	1485.034			+2.50%	
0+500	1484.750	1484.905			+2.50%	
0+510	1484.625	1484.777			+2.50%	
0+520	1484.500	1484.648			+2.50%	
0+530	1484.371	1484.520			+2.50%	
0+540	1484.235	1484.391			+2.50%	
0+550	1484.106	1484.263			+2.50%	
0+560	1483.980	1484.134			+2.50%	
0+570	1483.853	1484.005			+2.50%	
0+580	1483.734	1483.877			+2.50%	
0+590	1483.593	1483.748			+2.50%	
0+600	1483.418	1483.619			+2.50%	
0+610	1483.260	1483.446			+2.50%	
0+620	1483.102	1483.203			+2.50%	
0+630	1482.749	1482.888			+2.50%	
0+640	1482.350	1482.504			+2.50%	
0+648.30	1482.059	1482.161			+2.50%	

BYLANE CONNECTING OLD JOWAI ROAD AND TEMPLE ROAD

TEMPLE ROAD

ELECTRICAL TRENCH ON RHS AND TELECOM SPACER ON LHS

DRAWINGS ARE FOR TENDER PURPOSES ONLY

Designed : IPEG
 Checked :
 Approved :

Client
SHILLONG SMART CITY LIMITED

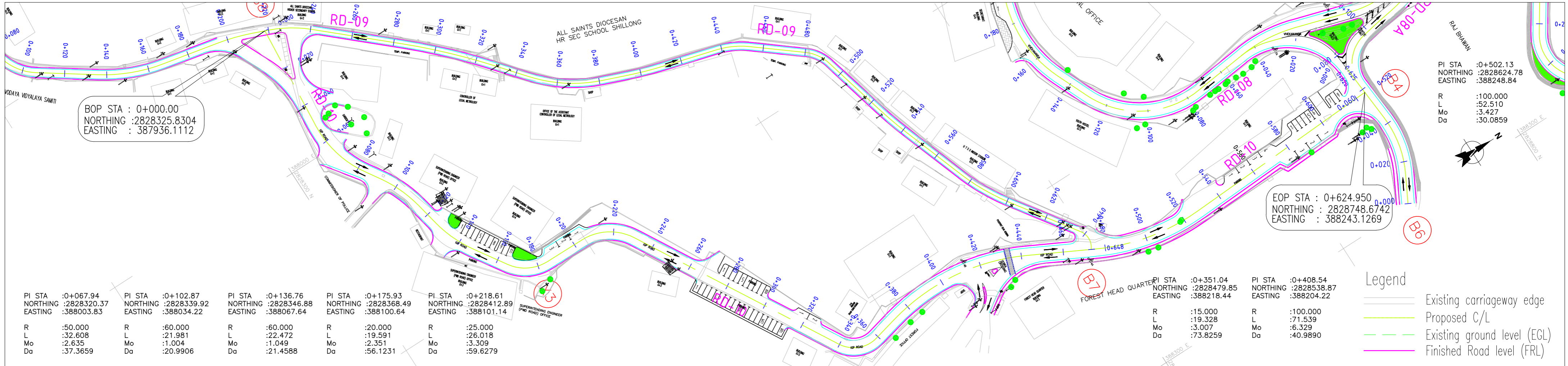
Submitted By

 Expanding Horizons. Enriching Lives.

Project:
DEVELOPMENT OF SMART ROAD IN SHILLONG
 Drg Title:
**(RD-09)
 Plan and Longitudinal Profile
 (From STA : 0+000 to STA : 0+648.30)**

Drg No : SH/PP-09
 Scale : 1:1000 H/R
 1:1000 V/R
 Date : 29.01.2020
 Rev R1

Rev	dd/mm/yyyy	Description	Rev	dd/mm/yyyy	Description
R1	14.01.2020	REVISED AS PER CLIENTS COMMENTS	DIN/FRA	24.01.2020	

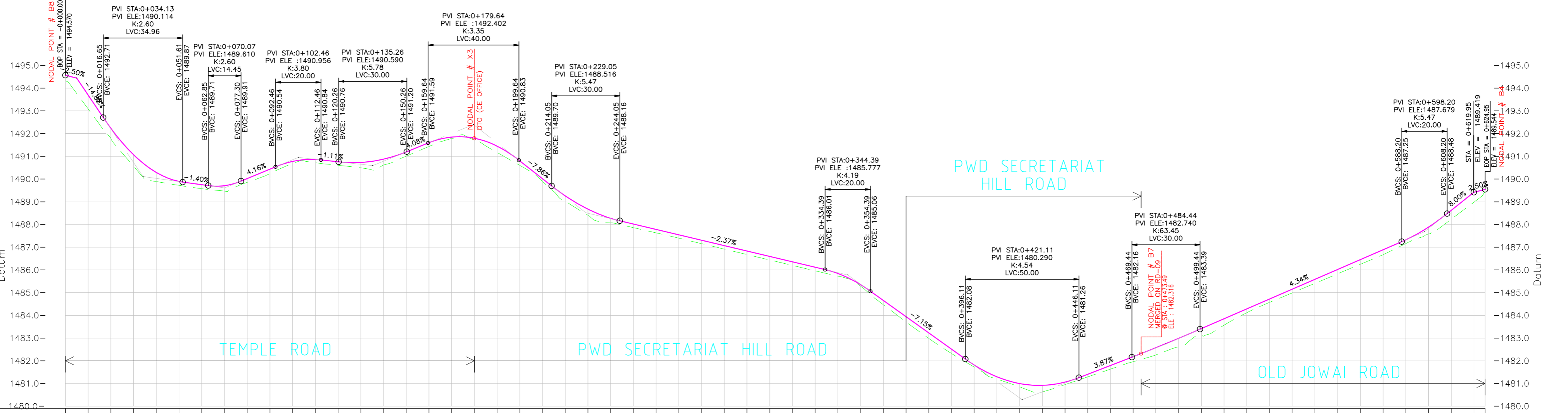


PI STA :0+067.94 NORTHING :2828320.37 EASTING :388003.83	PI STA :0+102.87 NORTHING :2828339.92 EASTING :388034.22	PI STA :0+136.76 NORTHING :2828346.88 EASTING :388067.64	PI STA :0+175.93 NORTHING :2828368.49 EASTING :388100.64	PI STA :0+218.61 NORTHING :2828412.89 EASTING :388101.14
R :50.000 L :32.608 Mo :2.635 Da :37.3659	R :60.000 L :21.981 Mo :1.004 Da :20.9906	R :60.000 L :22.472 Mo :1.049 Da :21.4588	R :20.000 L :19.591 Mo :2.351 Da :56.1231	R :25.000 L :26.018 Mo :3.309 Da :59.6279

PI STA :0+351.04 NORTHING :2828479.85 EASTING :388218.44	PI STA :0+408.54 NORTHING :2828538.87 EASTING :388204.22
R :15.000 L :19.328 Mo :3.007 Da :73.8259	R :100.000 L :71.539 Mo :6.329 Da :40.9890

Legend

- Existing carriageway edge
- Proposed C/L
- Existing ground level (EGL)
- Finished Road level (FRL)



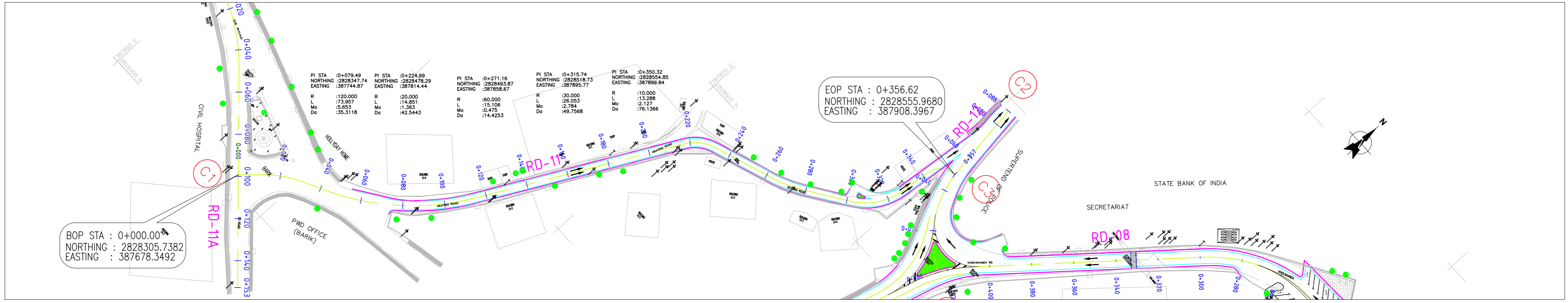
Station	Existing ground Level	Proposed Ground Level	Vertical Geometry	Horizontal Geometry	Superelevation	TCS Applicable
0+000	1494.331	1494.570	-2.50%	L=51.04	+2.50%	TYPE-1
0+010	1493.085	1493.696	-4.85%	R=50	+2.50%	TYPE-1
0+020	1491.774	1492.233	-11.70%	L=8.11	-2.50%	TYPE-1
0+030	1490.561	1491.069	K:2.600 LVC:34.96	R=60	+2.50%	TYPE-1
0+040	1489.887	1490.290	4.16%	L=22.47	-2.50%	TYPE-1
0+050	1489.723	1489.896	15.16%	R=60	+2.50%	TYPE-1
0+060	1489.574	1489.751	K:3.796 LVC:20.00	L=11.66	+2.50%	TYPE-1
0+070	1489.469	1489.709	7.80%	R=60	+2.50%	TYPE-1
0+080	1489.855	1490.022	11.1%	L=17.41	-2.50%	TYPE-1
0+090	1490.243	1490.438	4.08%	R=20	+2.50%	TYPE-1
0+100	1490.685	1490.778	9.38%	L=19.42	-2.50%	TYPE-1
0+110	1490.716	1490.864	K:5.466 LVC:30.00	R=25	+2.50%	TYPE-1
0+120	1490.606	1490.760	14.4%	L=109.47	-2.50%	TYPE-1
0+130	1490.492	1490.731	-7.86%	R=15	+2.50%	TYPE-1
0+140	1490.617	1490.875	90.34%	L=12.06	+2.50%	TYPE-1
0+150	1491.009	1488.271	-2.37%	R=100	+2.50%	TYPE-1
0+160	1491.434	1488.019	-7.15%	L=71.54	-2.50%	TYPE-1
0+170	1491.785	1488.019	-3.87%	L=32.55	+2.50%	TYPE-1
0+180	1491.717	1488.014	K:63.454 LVC:30.00	R=100	+2.50%	TYPE-1
0+190	1491.72	1488.014	88.76%	L=52.51	-2.50%	TYPE-1
0+200	1490.602	1488.801	K:5.467 LVC:20.00	L=97.19	+2.50%	TYPE-1
0+210	1489.894	1488.014	8.00%		+2.50%	TYPE-1
0+220	1489.025	1489.260	11.75%		+2.50%	TYPE-1
0+230	1488.403	1488.674	5.00%		+2.50%	TYPE-1
0+240	1488.075	1488.271	8.00%		+2.50%	TYPE-1
0+250	1487.860	1488.019	5.00%		+2.50%	TYPE-1
0+260	1487.630	1487.781	8.00%		+2.50%	TYPE-1
0+270	1487.396	1487.544	5.00%		+2.50%	TYPE-1
0+280	1487.157	1487.306	8.00%		+2.50%	TYPE-1
0+290	1486.917	1487.069	5.00%		+2.50%	TYPE-1
0+300	1486.678	1486.831	8.00%		+2.50%	TYPE-1
0+310	1486.439	1486.594	5.00%		+2.50%	TYPE-1
0+320	1486.200	1486.356	8.00%		+2.50%	TYPE-1
0+330	1485.960	1486.119	5.00%		+2.50%	TYPE-1
0+340	1485.728	1485.844	8.00%		+2.50%	TYPE-1
0+350	1485.484	1485.553	5.00%		+2.50%	TYPE-1
0+360	1484.71	1484.661	8.00%		+2.50%	TYPE-1
0+370	1483.712	1483.945	5.00%		+2.50%	TYPE-1
0+380	1482.988	1483.230	8.00%		+2.50%	TYPE-1
0+390	1482.322	1482.515	5.00%		+2.50%	TYPE-1
0+400	1481.729	1481.816	8.00%		+2.50%	TYPE-1
0+410	1481.195	1481.297	5.00%		+2.50%	TYPE-1
0+420	1480.851	1480.998	8.00%		+2.50%	TYPE-1
0+430	1480.626	1480.920	5.00%		+2.50%	TYPE-1
0+440	1480.953	1481.062	8.00%		+2.50%	TYPE-1
0+450	1481.293	1481.408	5.00%		+2.50%	TYPE-1
0+460	1481.634	1481.795	8.00%		+2.50%	TYPE-1
0+470	1481.960	1482.182	5.00%		+2.50%	TYPE-1
0+480	1482.260	1482.577	8.00%		+2.50%	TYPE-1
0+490	1482.622	1482.989	5.00%		+2.50%	TYPE-1
0+500	1483.146	1483.416	8.00%		+2.50%	TYPE-1
0+510	1483.568	1483.850	5.00%		+2.50%	TYPE-1
0+520	1484.118	1484.284	8.00%		+2.50%	TYPE-1
0+530	1484.569	1484.718	5.00%		+2.50%	TYPE-1
0+540	1484.989	1485.152	8.00%		+2.50%	TYPE-1
0+550	1485.408	1485.587	5.00%		+2.50%	TYPE-1
0+560	1485.828	1486.021	8.00%		+2.50%	TYPE-1
0+570	1486.248	1486.455	5.00%		+2.50%	TYPE-1
0+580	1486.669	1486.889	8.00%		+2.50%	TYPE-1
0+590	1487.160	1487.326	5.00%		+2.50%	TYPE-1
0+600	1487.586	1487.885	8.00%		+2.50%	TYPE-1
0+610	1488.232	1488.623	5.00%		+2.50%	TYPE-1
0+620	1488.984	1489.420	8.00%		+2.50%	TYPE-1
0+624.95	1489.412	1489.544	5.00%		+2.50%	TYPE-1

DRAWINGS ARE FOR TENDER PURPOSES ONLY

Designed : IPEG Client: SHILLONG SMART CITY LIMITED Submitted By: IPE GLOBAL Expanding Horizons. Enriching Lives. Project: DEVELOPMENT OF SMART ROAD IN SHILLONG (RD-10) Plan and Longitudinal Profile (From STA : 0+000 to STA : 0+624.95) Drg No : SH/PP-10 Scale : 1:1000 HOR 1:1000 VER Date : 29.01.2020 Rev R1 Contract No. :

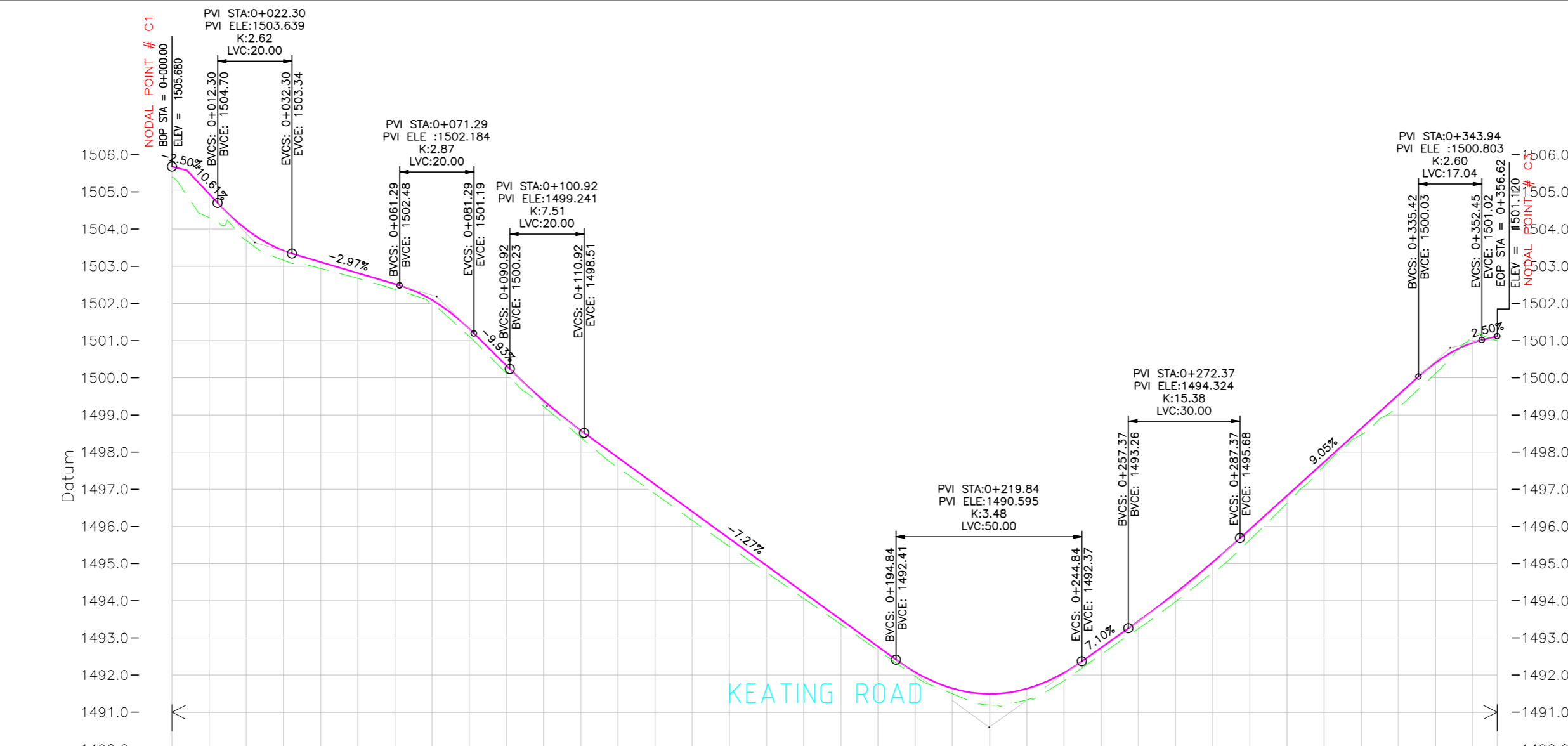
Rev dd/mm/yyyy Description Rev by dd/mm/yyyy

DIN/RA 24.01.2020



BOP STA : 0+000.00
 NORTHING : 2828305.7382
 EASTING : 387678.3492

EOP STA : 0+356.62
 NORTHING : 2828555.9680
 EASTING : 387908.3967

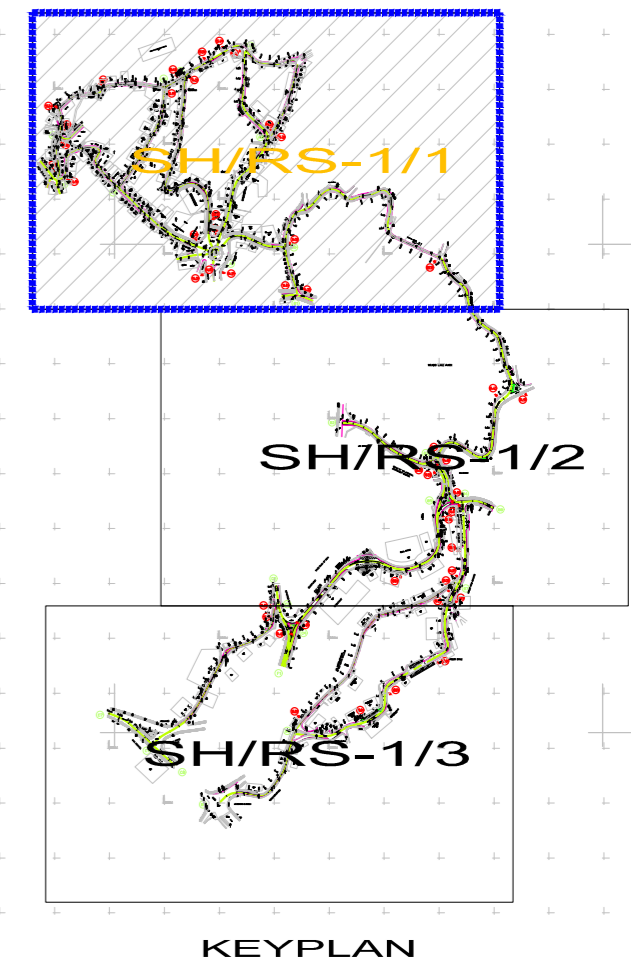


Station	Existing ground Level	Proposed Ground Level	Vertical Geometry	Horizontal Geometry	Superelevation	TCS Applicable
0+000	1505.400	1505.680	K:2.618 L:20.00	L=13.14 R=50 L=17.81	+2.50% +2.50%	TYPE-7
0+010	1504.911	1504.944				
0+020	1503.694	1503.996	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+030	1503.454	1503.420				
0+040	1502.942	1503.113	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+050	1502.673	1502.816				
0+060	1502.377	1502.519	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+070	1501.981	1502.090				
0+080	1501.107	1501.316	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+090	1500.114	1500.325				
0+100	1499.225	1499.387	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+110	1498.395	1498.581				
0+120	1497.580	1497.853	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+130	1496.872	1497.126				
0+140	1496.164	1496.399	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+150	1495.458	1495.672				
0+160	1494.760	1494.945	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+170	1494.062	1494.218				
0+180	1493.363	1493.491	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+190	1492.665	1492.764				
0+200	1491.960	1492.076	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+210	1491.260	1491.376				
0+220	1490.560	1490.680	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+230	1489.860	1489.980				
0+240	1489.160	1489.280	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+250	1488.460	1488.580				
0+260	1487.760	1487.880	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+270	1487.060	1487.180				
0+280	1486.360	1486.480	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+290	1485.660	1485.780				
0+300	1484.960	1485.080	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+310	1484.260	1484.380				
0+320	1483.560	1483.680	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+330	1482.860	1482.980				
0+340	1482.160	1482.280	K:2.872 L:20.00	R=120 L=73.96	+2.50% +2.50%	
0+350	1481.460	1481.580				
0+356.62	1480.760	1480.880				

- Legend**
- Existing carriageway edge
 - Proposed C/L
 - Existing ground level (EGL)
 - Finished Road level (FRL)

DRAWINGS ARE FOR TENDER PURPOSES ONLY

R1 14.01.2020 REVISD AS PER CLIENTS COMMENTS Rev dd/mm/yyyy	Description DINFRA 24.01.2020 Rev by dd/mm/yyyy	Designed : IPEG Checked : Approved :	Client SHILLONG SMART CITY LIMITED	Submitted By Expanding Horizons. Enriching Lives.	Project: DEVELOPMENT OF SMART ROAD IN SHILLONG Drg Title: (RD-11) Plan and Longitudinal Profile (From STA : 0+000 to STA : 0+356.62)	Drg No : SH/PP-11 Scale : 1:1000 HGR 1:100 VER Date : 29.01.2020 Contract No. : Rev R1
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- Legend:**
- 14.19 IRC CODE FOR ROAD SIGNS
 - SIGN POST
 - 14.01 : STOP
 - 14.02 : GIVE WAY
 - 14.19 : NO ENTRY
 - 14.20 : ONE WAY
 - 14.21 : LEFT TURN PROHIBITED
 - 14.22 : RIGHT TURN PROHIBITED
 - 14.29 : NO PARKING
 - 14.42 : COMPULSARY AHEAD OR RIGHT TURN
 - 14.46 : COMPULSARY TURN RIGHT
 - 14.48 : COMPULSARY KEEP LEFT
 - 14.50 : PASS EITHER SIDE
 - 15.22 : MERGING TRAFFIC AHEAD (FROM LEFT)
 - 15.23 : NARROW ROAD AHEAD
 - 15.27 : STEEP DESCENT
 - 15.33 : PEDESTRIAN CROSSING
 - 15.34 : SCHOOL AHEAD
 - 15.49 : SPEED BREAKER
 - 18.01 : PARKING

For Continuation
 Ref. Drg No. SH/RS-1/2
 MATCH LINE

DRAWINGS ARE FOR TENDER PURPOSES ONLY

R1 14.01.2020 REVISED AS PER CLIENTS COMMENTS Rev dd/mm/yyyy	Description	DINFRA 24.01.2020 Rev by dd/mm/yyyy	Designed : IPEG Checked : Approved :	Client SHILLONG SMART CITY LIMITED	Submitted By Expanding Horizons. Enriching Lives.	Project: DEVELOPMENT OF SMART ROAD IN SHILLONG Drg Title: ROAD SIGN (SHEET 01/03)	Drg No : SH/RS-1/1 Scale : 1:1000 Date : 29.01.2020 Contract No. : Rev R1
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MATCH LINE
For Previous Sheet
Ref. Drg No. SH/RS-1/1

B1

B2

WRADS LAKE PARK

DC OFFICE

OFFICE OF THE PRINCIPAL
ACCOUNTANT GENERAL

RAJ BHAWAN

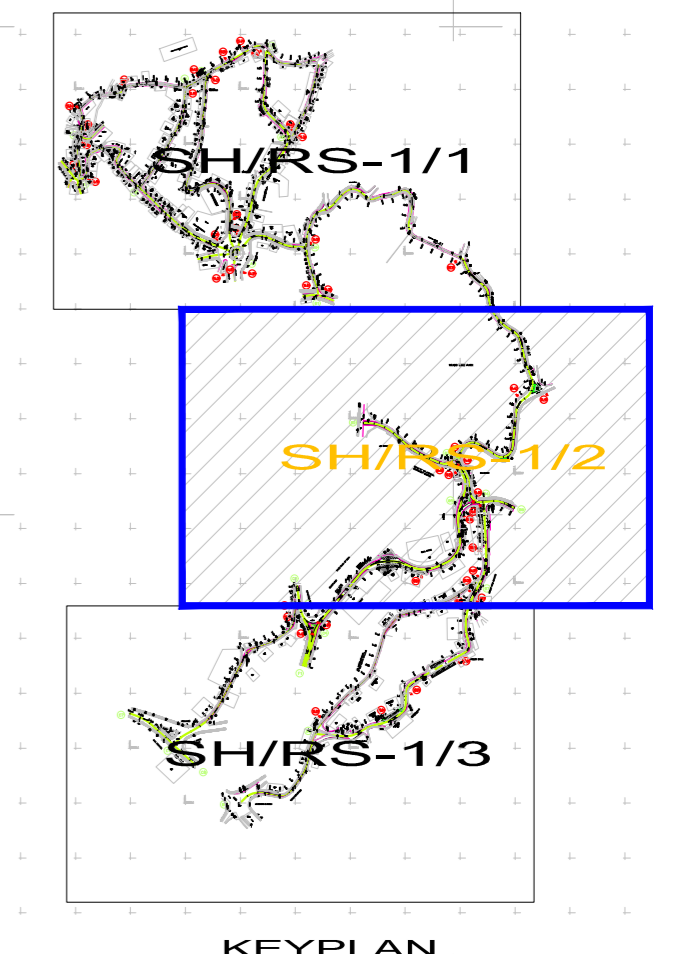
BSNL OFFICE

STATE BANK OF INDIA

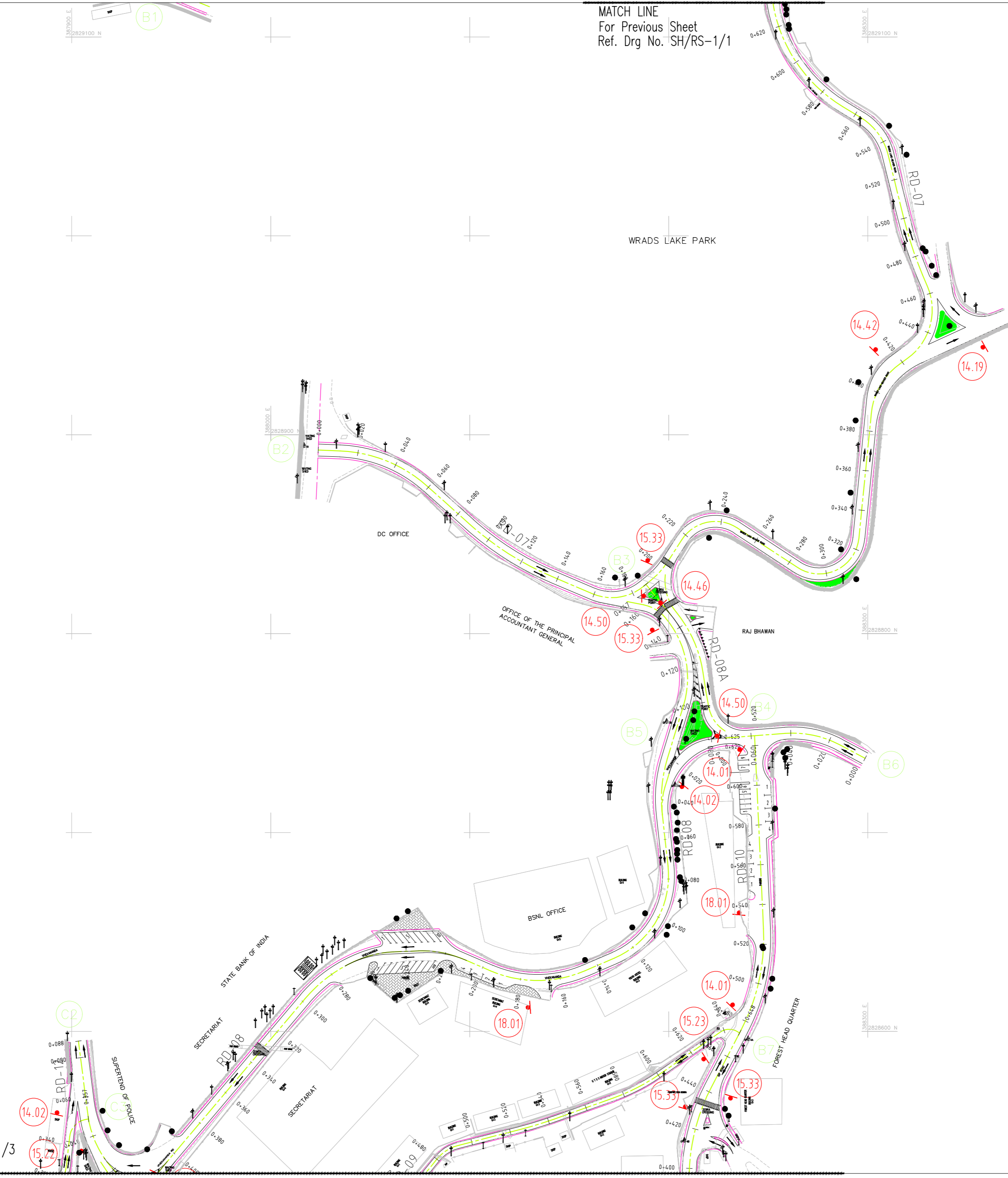
SECRETARIAT

SECRETARIAT

FOREST HEAD QUARTER



KEYPLAN

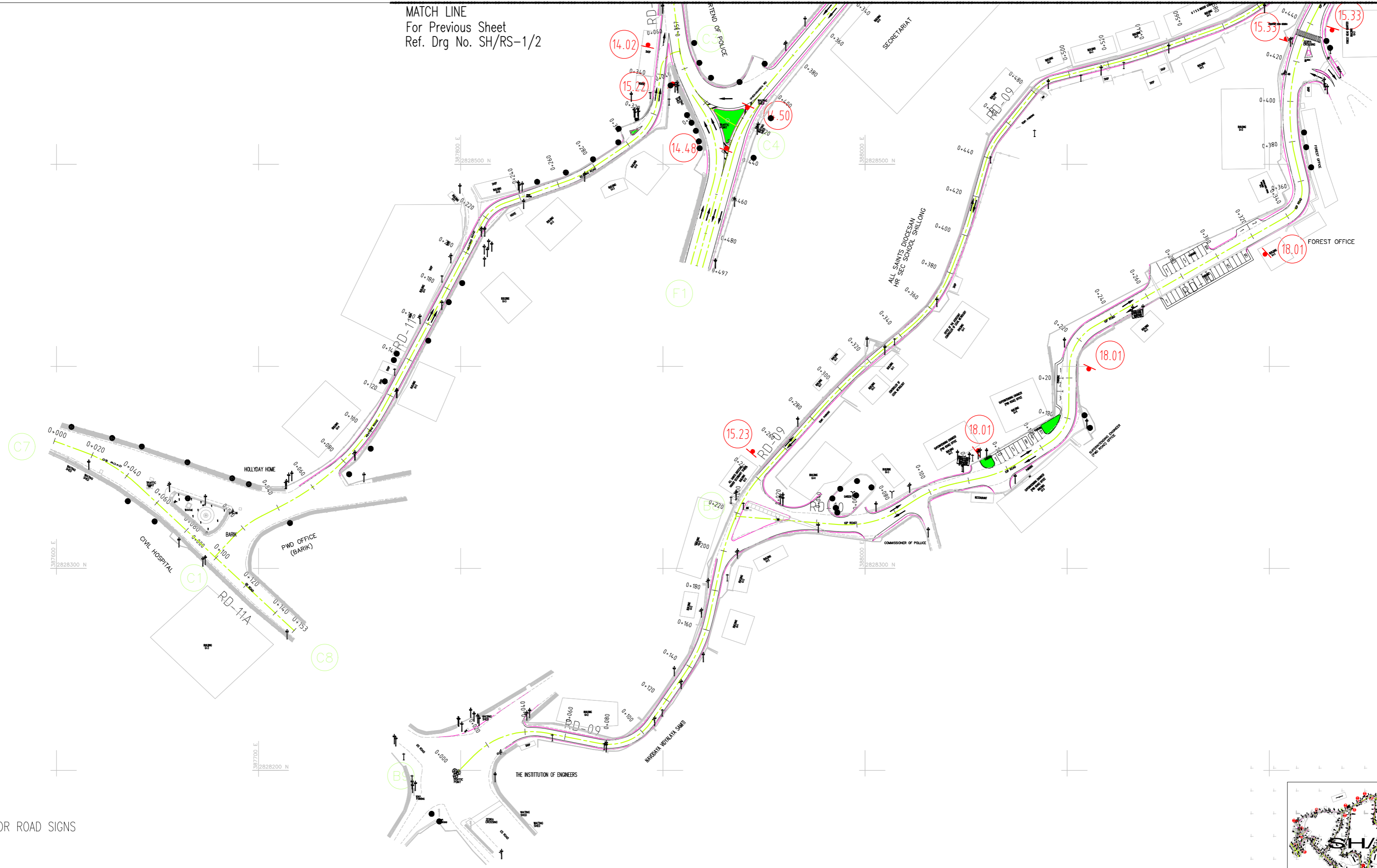


- Legend:
- 14.19 IRC CODE FOR ROAD SIGNS
 - SIGN POST
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 - 15.27 : STEEP DESCENT
 - 15.33 : PEDESTRIAN CROSSING
 - 15.34 : SCHOOL AHEAD
 - 15.49 : SPEED BREAKER
 - 18.01 : PARKING

DRAWINGS ARE FOR TENDER PURPOSES ONLY
For Continuation
Ref. Drg No. SH/RS-1/3
MATCH LINE

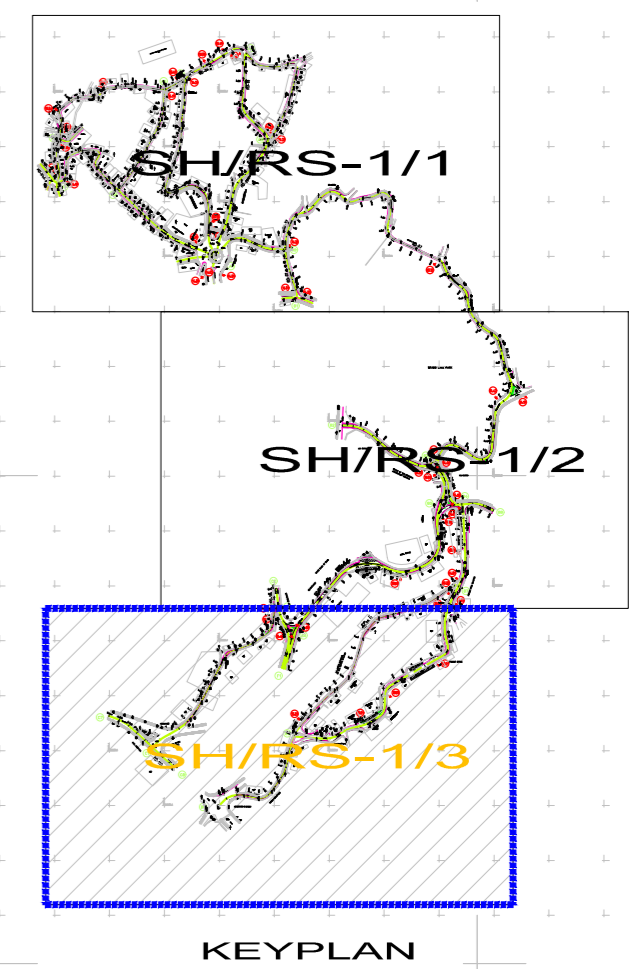
Designed : IPEG		Client		Submitted By		Project:		Drg No : SH/RS-1/2	
Checked :		SHILLONG SMART CITY LIMITED		IPE GLOBAL		DEVELOPMENT OF SMART ROAD IN SHILLONG		Scale : 1:1000	
Approved :		SHILLONG SMART CITY LIMITED		Expanding Horizons. Enriching Lives.		Drg Title:		Date : 29.01.2020	
R1 14.01.2020 REVISED AS PER CLIENTS COMMENTS		DIN/FRA 24.01.2020				ROAD SIGN (SHEET 02/03)		Contract No. : Rev R1	
Rev dd/mm/yyyy		Description		Rev by dd/mm/yyyy					

MATCH LINE
For Previous Sheet
Ref. Drg No. SH/RS-1/2



Legend:

- 14.19 IRC CODE FOR ROAD SIGNS
- SIGN POST
- 14.01 : STOP
- 14.02 : GIVE WAY
- 14.19 : NO ENTRY
- 14.20 : ONE WAY
- 14.21 : LEFT TURN PROHIBITED
- 14.22 : RIGHT TURN PROHIBITED
- 14.29 : NO PARKING
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- 15.27 : STEEP DESCENT
- 15.33 : PEDESTRIAN CROSSING
- 15.34 : SCHOOL AHEAD
- 15.49 : SPEED BREAKER
- 18.01 : PARKING



DRAWINGS ARE FOR TENDER PURPOSES ONLY

R1	14.01.2020	REVISED AS PER CLIENTS COMMENTS	DINFRA	24.01.2020
Rev	dd/mm/yyyy	Description	Rev by	dd/mm/yyyy

Designed : IPEG
Checked :
Approved :

Client
SHILLONG SMART CITY LIMITED

Submitted By
IPE GLOBAL
Expanding Horizons. Enriching Lives.

Project:
DEVELOPMENT OF SMART ROAD IN SHILLONG
Drg Title:
ROAD SIGN (SHEET 03/03)

Drg No : SH/RS-1/3
Scale : 1:1000
Date : 29.01.2020
Contract No. :
Rev R1