



National Highways & Infrastructure Development Corporation Limited.

Consultancy Services for preparation of Feasibility Study and Detailed Project Report for Two lanning of Pango to Jorging Road (Length: 90 km) for execution on EPC Mode in the State of Arunachal Pradesh under SARDP-NE Phase 'B'

FINAL DETAILED PROJECT REPORT - SEPTEMBER-2023



**PLAN & PROFILE
PACKAGE - I (0+000KM TO 40+000 KM)**

CONSULTANT:



Shweta Technophile Consultants Pvt. Ltd.

PLAN & PROFILE

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

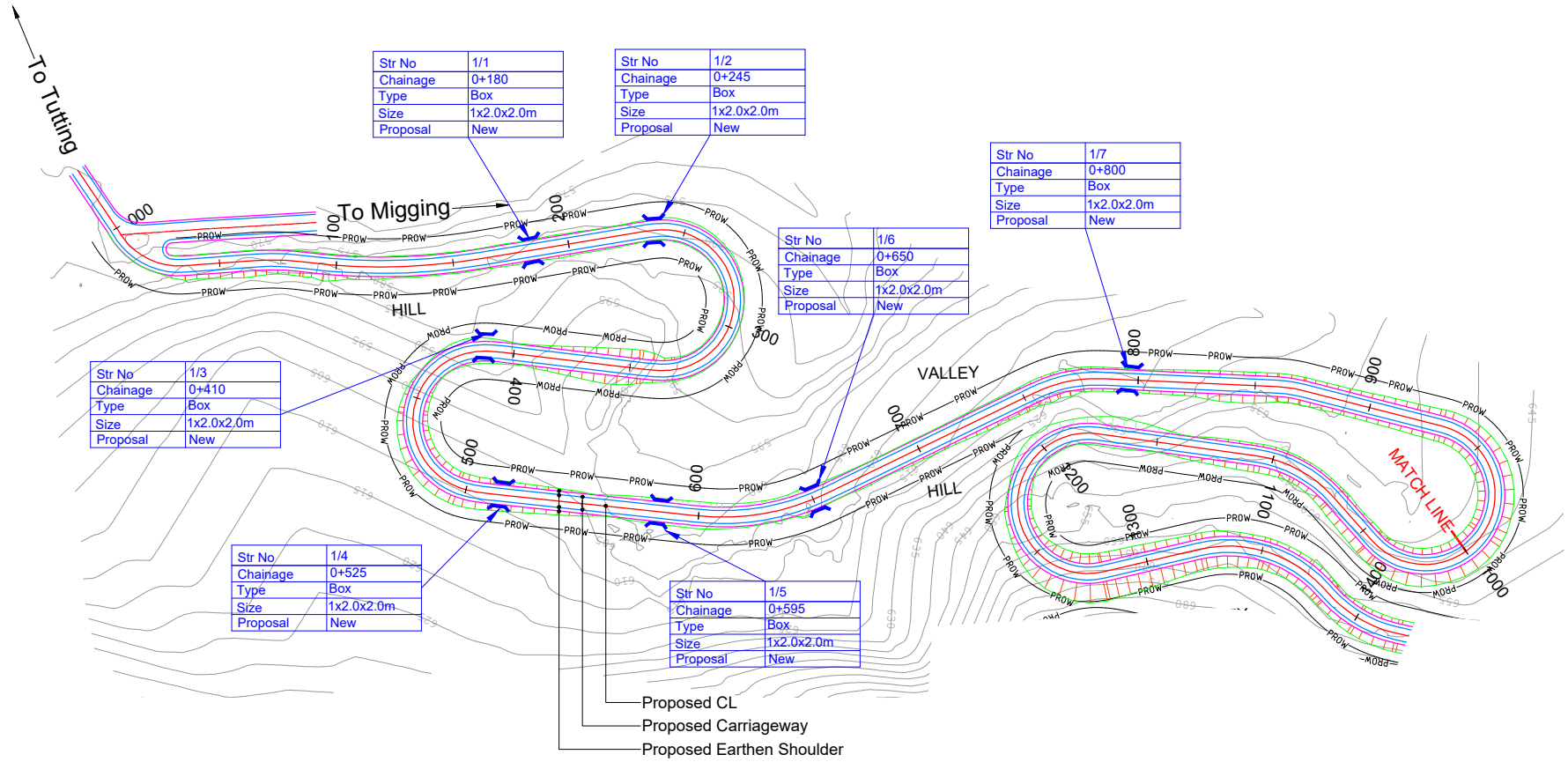
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 1 AT CH. 17.859				HIP NO. 2 AT CH. 75.157				HIP NO. 3 AT CH. 124.22				HIP NO. 4 AT CH. 287.61				HIP NO. 5 AT CH. 456.883				HIP NO. 6 AT CH. 627.943				HIP NO. 7 AT CH. 769.94				HIP NO. 8 AT CH. 865.011				HIP NO. 9 AT CH. 988.073			
X = 671614.027		Y = 3196774.425		X = 671588.553		Y = 3196720.716		X = 671558.971		Y = 3196681.195		X = 671359.832		Y = 3196340.749		X = 671558.176		Y = 3196779.532		X = 671389.605		Y = 3196594.873		X = 671376.834		Y = 3196453.249		X = 671327.454		Y = 3196372.041		X = 671348.677		Y = 3196394.07	
R (m)	30	Ls (m)		R (m)	100	Ls (m)		R (m)	260	Ls (m)		R (m)	30	Ls (m)	15	R (m)	30	Ls (m)	15	R (m)	100	Ls (m)	15	R (m)	55	Ls (m)	15	R (m)	55	Ls (m)		R (m)	30	Ls (m)	
Dc(deg)	65.1644	S(m)		Dc(deg)	11.4408	S(m)		Dc(deg)	16.6852	S(m)		Dc(deg)	167.6436	S(m)	0.31	Dc(deg)	152.084	S(m)	0.31	Dc(deg)	23.3297	S(m)	0.09	Dc(deg)	12.829	S(m)	0.17	Dc(deg)	11.7123	S(m)		Dc(deg)	214.1716	S(m)	
Lc(m)	34.12	Ts(deg)		Lc(m)	19.97	Ts(deg)		Lc(m)	75.72	Ts(deg)		Lc(m)	87.78	Ts(deg)	14.3239	Lc(m)	79.63	Ts(deg)	14.3239	Lc(m)	40.72	Ts(deg)	4.2972	Lc(m)	12.31	Ts(deg)	7.8131	Lc(m)	11.24	Ts(deg)		Lc(m)	112.14	Ts(deg)	
Ts(m)	19.173	Δ(deg)	65.1644	Ts(m)	10.017	Δ(deg)	11.4408	Ts(m)	38.127	Δ(deg)	16.6852	Ts(m)	-204.2722	Δ(deg)	196.2915	Ts(m)	-4738.022	Δ(deg)	180.7319	Ts(m)	36.127	Δ(deg)	31.9241	Ts(m)	21.484	Δ(deg)	28.4552	Ts(m)	5.641	Δ(deg)	11.7123	Ts(m)	-97.603	Δ(deg)	214.1716
Es(m)	5.603	e(%)	10.00%	Es(m)	0.5	e(%)	10.00%	Es(m)	2.781	e(%)	4.27%	Es(m)	-243.915	e(%)	10.00%	Es(m)	-4775.604	e(%)	10.00%	Es(m)	4.104	e(%)	10.00%	Es(m)	1.916	e(%)	10.00%	Es(m)	0.289	e(%)	10.00%	Es(m)	-132.109	e(%)	10.00%
V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.9	V(km/hr)	50	We(m)	0.6	V(km/hr)	30	We(m)	1.5	V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.9	V(km/hr)	40	We(m)	1.2	V(km/hr)	40	We(m)	1.2	V(km/hr)	30	We(m)	1.5
CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT		

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

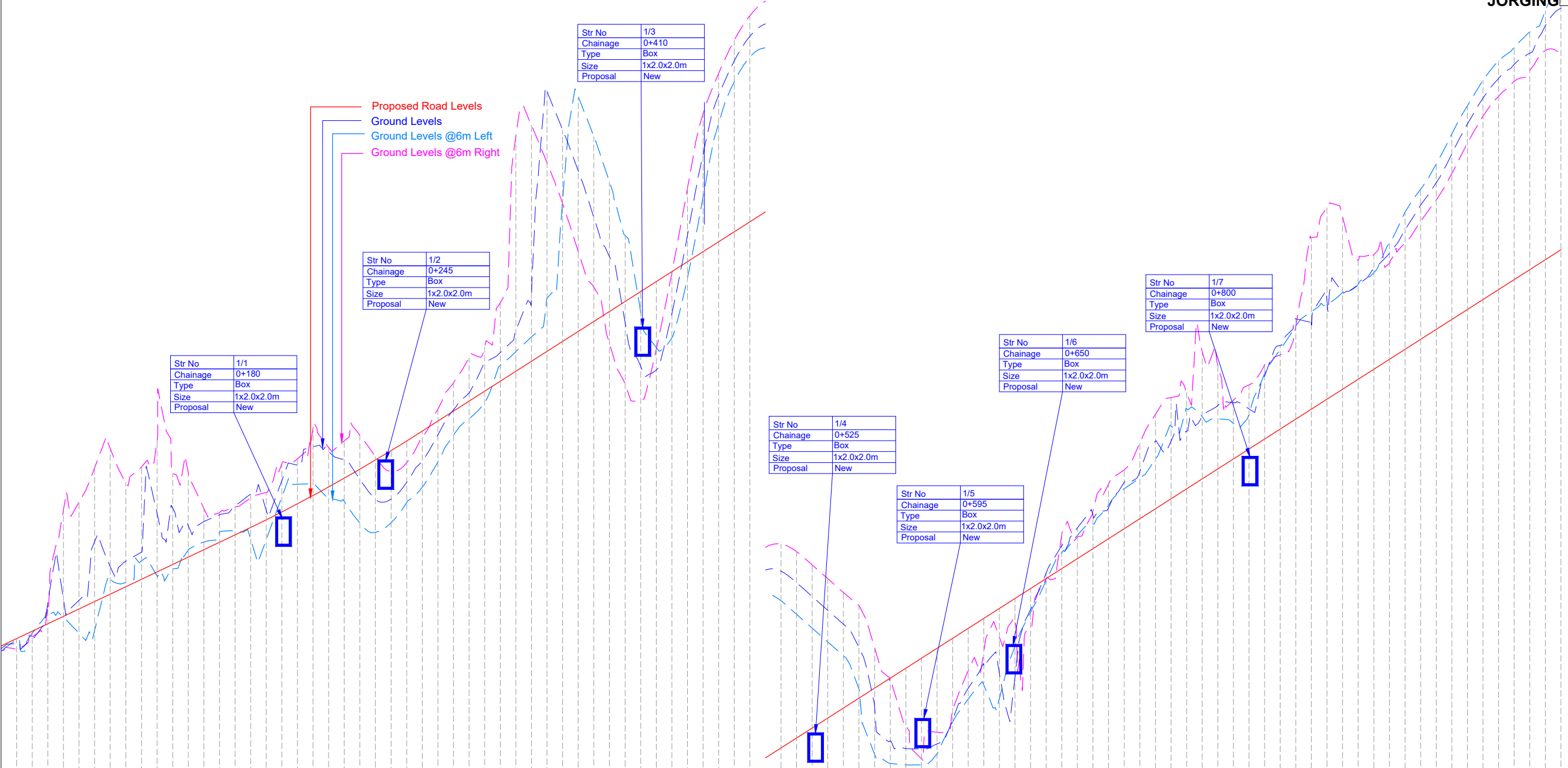
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT

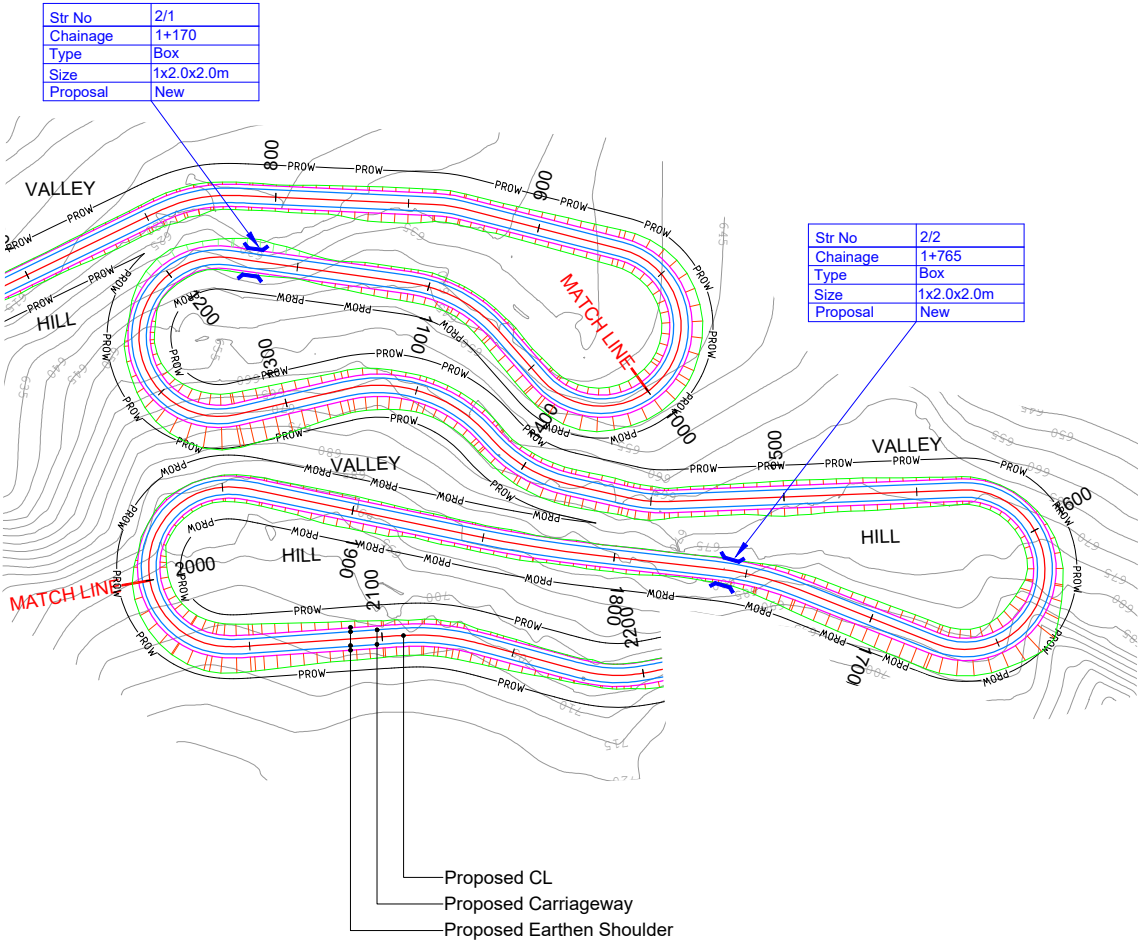


DATUM = 560	
DATUM = 595	
Proposed Road Levels	569.861 569.697 570.040 570.335 570.810 570.300 570.810 571.284 571.759 572.233 572.707 573.182 573.656 574.131 574.605 575.079 575.554 576.028 576.503 576.977 577.456 577.949 578.456 578.976 579.510 580.058 580.619 581.194 581.783 582.386 583.002 583.632 584.270 584.909 585.548 586.187 586.825 587.464 588.103 588.742 589.380 590.019 590.658 591.297 591.936 592.574 593.213 593.852 594.491 595.129 595.768 596.407 597.046 597.685 598.323 598.962 599.601 600.240 600.878 601.517 602.156 602.795 603.434 604.072 604.711 605.350 605.989 606.627 607.266 607.905 608.544 609.183 609.821 610.460 611.099 611.738 612.376 613.015 613.654 614.293 614.932 615.570 616.209 616.848 617.487 618.125 618.764 619.403 620.042 620.680 621.319 621.958 622.597 623.236 623.874 624.513 625.152 625.791 626.429 627.068 627.707 628.346 628.985 629.623 630.262
Ground Levels	569.578 569.539 570.238 570.687 571.820 571.693 572.815 572.787 573.551 574.133 574.927 575.296 575.873 576.385 576.710 577.575 577.839 578.503 578.977 579.605 579.538 580.481 581.458 582.623 582.317 583.053 583.747 584.558 585.381 586.242 587.149 588.092 589.081 590.104 591.161 592.256 593.393 594.574 595.799 597.068 598.382 599.746 601.160 602.628 604.141 605.719 607.345 609.021 610.748 612.525 614.352 616.229 618.156 620.133 622.160 624.237 626.364 628.541 630.768 633.095 635.422 637.849 640.276 642.703 645.130 647.557 650.000
Ground Levels @6m Left	569.578 569.539 570.238 570.687 571.820 571.693 572.815 572.787 573.551 574.133 574.927 575.296 575.873 576.385 576.710 577.575 577.839 578.503 578.977 579.605 579.538 580.481 581.458 582.623 582.317 583.053 583.747 584.558 585.381 586.242 587.149 588.092 589.081 590.104 591.161 592.256 593.393 594.574 595.799 597.068 598.382 599.746 601.160 602.628 604.141 605.719 607.345 609.021 610.748 612.525 614.352 616.229 618.156 620.133 622.160 624.237 626.364 628.541 630.768 633.095 635.422 637.849 640.276 642.703 645.130 647.557 650.000
Ground Levels @6m Right	569.578 569.539 570.238 570.687 571.820 571.693 572.815 572.787 573.551 574.133 574.927 575.296 575.873 576.385 576.710 577.575 577.839 578.503 578.977 579.605 579.538 580.481 581.458 582.623 582.317 583.053 583.747 584.558 585.381 586.242 587.149 588.092 589.081 590.104 591.161 592.256 593.393 594.574 595.799 597.068 598.382 599.746 601.160 602.628 604.141 605.719 607.345 609.021 610.748 612.525 614.352 616.229 618.156 620.133 622.160 624.237 626.364 628.541 630.768 633.095 635.422 637.849 640.276 642.703 645.130 647.557 650.000
Vertical Alignment	G =4.744% L =151.507 R =7300.494 L =120.000 G =6.388% L =767.290
Horizontal Alignment	R: 30.000 L: 34.120 L=0.799 R: 100.000 L: 19.968 L=30.254 R: 260.000 L: 75.715 L=11.221 L=66.645 L=15.000 R: 30.000 L: 87.778 L=55.568 L=15.000 R: 30.000 L: 79.631 L=80.886 L=15.000 R: 100.000 L: 40.718 L=85.481 R: 55.000 L: 12.314 L=68.293 R: 55.000 L: 11.242 L=61.371 R: 30.000 L: 112.140
Chainage	00.000 10.000 20.000 30.000 40.000 50.000 60.000 70.000 80.000 90.000 100.000 110.000 120.000 130.000 140.000 150.000 160.000 170.000 180.000 190.000 200.000 210.000 220.000 230.000 240.000 250.000 260.000 270.000 280.000 290.000 300.000 310.000 320.000 330.000 340.000 350.000 360.000 370.000 380.000 390.000 400.000 410.000 420.000 430.000 440.000 450.000 460.000 470.000 480.000 490.000 500.000 510.000 520.000 530.000 540.000 550.000 560.000 570.000 580.000 590.000 600.000 610.000 620.000 630.000 640.000 650.000 660.000 670.000 680.000 690.000 700.000 710.000 720.000 730.000 740.000 750.000 760.000 770.000 780.000 790.000 800.000 810.000 820.000 830.000 840.000 850.000 860.000 870.000 880.000 890.000 900.000 910.000 920.000 930.000 940.000 950.000 960.000 970.000 980.000 990.000 1000.000

LEGEND

PLAN:-
PROP.CENTER LINE
PROP.CARRIAGEWAY EDGE
PROP.EARTHEN SHOULDER
TOE LINE
PROP.RIGHT OF WAY
CULVERT
MAJOR/MINOR BRIDGE

PROFILE:-
PROP.ROAD LEVEL
EXISTING GROUND LEVEL
GROUND LEVEL @6M LEFT
GROUND LEVEL @6M RIGHT



HIP NO. 10 AT CH. 1088.026				HIP NO. 11 AT CH. 1228.361				HIP NO. 12 AT CH. 1352.223				HIP NO. 13 AT CH. 1401.295				HIP NO. 14 AT CH. 1449.466				HIP NO. 15 AT CH. 1620.479				HIP NO. 16 AT CH. 1745.69				HIP NO. 17 AT CH. 1830.267				HIP NO. 18 AT CH. 1992.82			
X = 671296.95		Y = 3196383.173		X = 671252.788		Y = 3196325.67		X = 671277.284		Y = 3196408.792		X = 671225.663		Y = 3196397.609		X = 671192.862		Y = 3196361.503		X = 671203.896		Y = 3196382.866		X = 671149.491		Y = 3196339.158		X = 671199.256		Y = 3196407.687		X = 671397.93		Y = 3196734.734	
R (m)	55	Ls (m)		R (m)	30	Ls (m)		R (m)	55	Ls (m)		R (m)	55	Ls (m)		R (m)	55	Ls (m)		R (m)	30	Ls (m)		R (m)	125	Ls (m)		R (m)	500	Ls (m)		R (m)	30	Ls (m)	15
Dc(deg)	40.579	S(m)		Dc(deg)	201.1044	S(m)		Dc(deg)	61.3565	S(m)		Dc(deg)	35.5223	S(m)		Dc(deg)	14.9375	S(m)		Dc(deg)	203.9061	S(m)		Dc(deg)	15.2352	S(m)		Dc(deg)	5.3938	S(m)		Dc(deg)	167.1432	S(m)	0.31
Lc(m)	38.95	Ts(deg)		Lc(m)	105.3	Ts(deg)		Lc(m)	58.9	Ts(deg)		Lc(m)	34.1	Ts(deg)		Lc(m)	14.34	Ts(deg)		Lc(m)	106.77	Ts(deg)		Lc(m)	33.24	Ts(deg)		Lc(m)	47.07	Ts(deg)		Lc(m)	87.52	Ts(deg)	14.3239
Ts(m)	20.334	Δ(deg)	40.579	Ts(m)	-161.047	Δ(deg)	201.1044	Ts(m)	32.628	Δ(deg)	61.3565	Ts(m)	17.617	Δ(deg)	35.5223	Ts(m)	7.21	Δ(deg)	14.9375	Ts(m)	-141.71	Δ(deg)	203.9061	Ts(m)	16.718	Δ(deg)	15.2352	Ts(m)	23.552	Δ(deg)	5.3938	Ts(m)	-211.072	Δ(deg)	195.7911
Es(m)	3.638	e(%)	10.00%	Es(m)	-193.817	e(%)	10.00%	Es(m)	8.95	e(%)	10.00%	Es(m)	2.753	e(%)	10.00%	Es(m)	0.471	e(%)	10.00%	Es(m)	-174.85	e(%)	10.00%	Es(m)	1.113	e(%)	8.89%	Es(m)	0.554	e(%)	-2.50%	Es(m)	-250.64	e(%)	10.00%
V(km/hr)	40	We(m)	1.2	V(km/hr)	30	We(m)	1.5	V(km/hr)	40	We(m)	1.2	V(km/hr)	40	We(m)	1.2	V(km/hr)	40	We(m)	1.2	V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	Nil	V(km/hr)	30	We(m)	1.5
CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT			CurveType	LEFT			CurveType	LEFT		

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT

Str No	2/1
Chainage	1+170
Type	Box
Size	1x2.0x2.0m
Proposal	New

Str No	2/2
Chainage	1+765
Type	Box
Size	1x2.0x2.0m
Proposal	New

Proposed Road Levels

Ground Levels

Ground Levels @6m Left

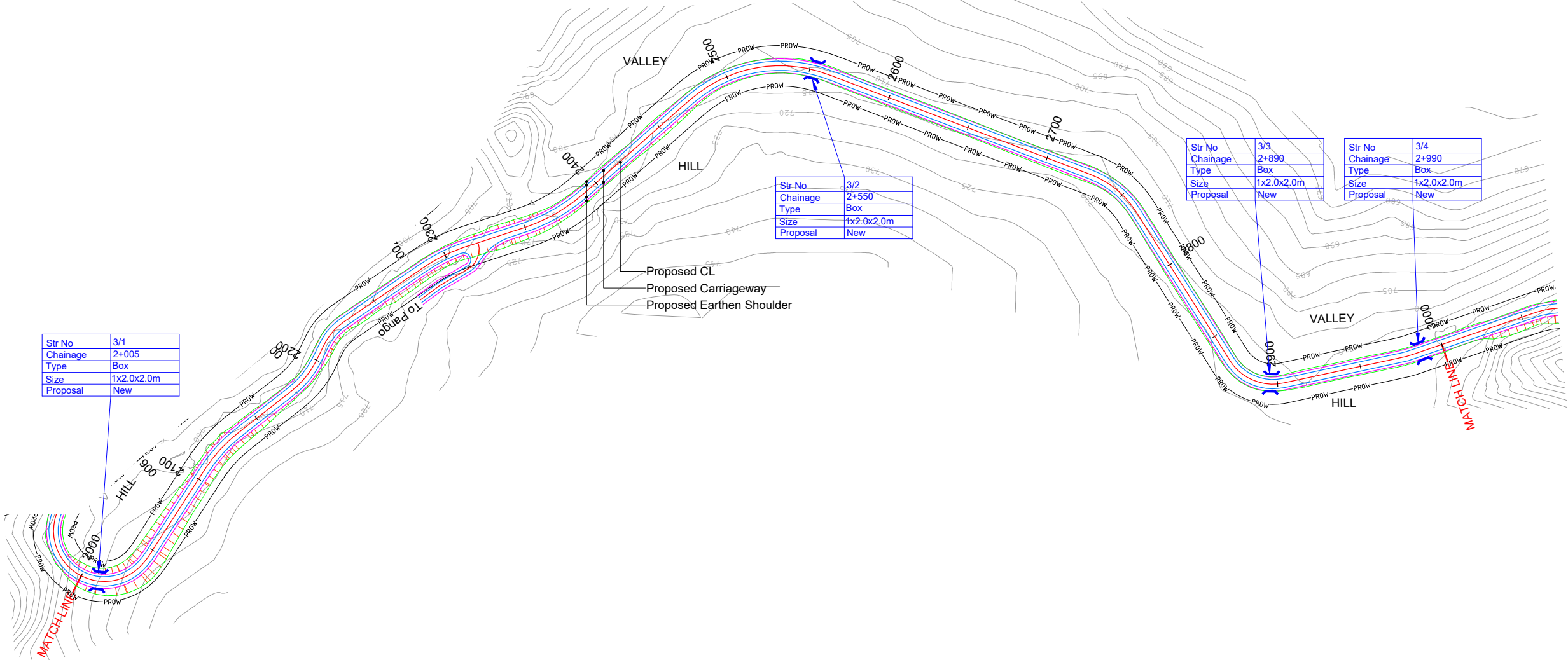
Ground Levels @6m Right

DATUM = 625	DATUM = 650
Proposed Road Levels	642.742, 641.764, 640.376, 638.651, 637.289, 639.507, 639.008, 639.128, 639.807, 640.815, 641.496, 642.484, 639.451, 635.096, 630.150, 626.532, 628.747, 633.008, 632.431, 630.825, 633.864, 638.568, 644.927, 651.244, 653.561, 661.052, 667.669, 672.908, 675.671, 675.083, 673.958, 672.479, 689.524, 668.426, 669.209, 667.215, 665.022, 664.206, 664.063, 663.619, 666.260, 667.205, 668.887, 669.346, 668.065, 668.852, 667.172, 666.067, 666.332, 666.842, 668.105, 668.927, 671.877, 671.579, 670.527, 671.290, 670.938, 670.402, 670.005, 670.617, 672.582, 674.443, 676.533, 683.406, 685.532, 684.634, 684.942, 684.853, 684.162, 683.460, 683.476, 680.634, 677.843, 675.647, 675.342, 675.426, 675.686, 678.999, 677.483, 680.311, 679.531, 681.008, 683.508, 683.046, 683.860, 684.855, 686.224, 688.195, 689.335, 689.454, 689.584, 689.550, 688.264, 686.867, 686.323, 689.746, 688.402, 686.151, 683.095, 701.134
Ground Levels	647.574, 648.418, 648.044, 649.620, 651.224, 649.264, 648.006, 647.580, 647.060, 646.047, 643.654, 645.673, 648.111, 647.674, 646.219, 644.511, 642.056, 638.970, 638.027, 639.519, 641.495, 642.071, 646.519, 650.721, 653.326, 659.423, 664.475, 665.916, 664.613, 663.719, 662.693, 661.108, 661.679, 659.533, 657.842, 658.776, 659.138, 660.113, 659.640, 659.162, 662.066, 662.766, 663.561, 664.411, 663.668, 660.966, 663.109, 666.252, 668.105, 668.927, 669.504, 669.235, 668.445, 667.916, 667.774, 666.123, 666.016, 667.732, 670.920, 674.977, 678.975, 682.277, 688.384, 685.616, 689.256, 691.734, 691.458, 692.338, 691.068, 690.882, 690.276, 688.817, 684.984, 680.746, 680.384, 682.291, 684.311, 684.346, 683.855, 684.869, 688.063, 687.555, 687.084, 687.189, 688.724, 687.715, 689.709, 694.609, 696.063, 693.872, 691.807, 691.424, 692.270, 692.172, 692.995, 693.441, 701.050
Ground Levels @6m Left	647.574, 648.418, 648.044, 649.620, 651.224, 649.264, 648.006, 647.580, 647.060, 646.047, 643.654, 645.673, 648.111, 647.674, 646.219, 644.511, 642.056, 638.970, 638.027, 639.519, 641.495, 642.071, 646.519, 650.721, 653.326, 659.423, 664.475, 665.916, 664.613, 663.719, 662.693, 661.108, 661.679, 659.533, 657.842, 658.776, 659.138, 660.113, 659.640, 659.162, 662.066, 662.766, 663.561, 664.411, 663.668, 660.966, 663.109, 666.252, 668.105, 668.927, 669.504, 669.235, 668.445, 667.916, 667.774, 666.123, 666.016, 667.732, 670.920, 674.977, 678.975, 682.277, 688.384, 685.616, 689.256, 691.734, 691.458, 692.338, 691.068, 690.882, 690.276, 688.817, 684.984, 680.746, 680.384, 682.291, 684.311, 684.346, 683.855, 684.869, 688.063, 687.555, 687.084, 687.189, 688.724, 687.715, 689.709, 694.609, 696.063, 693.872, 691.807, 691.424, 692.270, 692.172, 692.995, 693.441, 701.050
Ground Levels @6m Right	642.742, 641.764, 640.376, 638.651, 637.289, 639.507, 639.008, 639.128, 639.807, 640.815, 641.496, 642.484, 639.451, 635.096, 630.150, 626.532, 628.747, 633.008, 632.431, 630.825, 633.864, 638.568, 644.927, 651.244, 653.561, 661.052, 667.669, 672.908, 675.671, 675.083, 673.958, 672.479, 689.524, 668.426, 669.209, 667.215, 665.022, 664.206, 664.063, 663.619, 666.260, 667.205, 668.887, 669.346, 668.065, 668.852, 667.172, 666.067, 666.332, 666.842, 668.105, 668.927, 671.877, 671.579, 670.527, 671.290, 670.938, 670.402, 670.005, 670.617, 672.582, 674.443, 676.533, 683.406, 685.532, 684.634, 684.942, 684.853, 684.162, 683.460, 683.476, 680.634, 677.843, 675.647, 675.342, 675.426, 675.686, 678.999, 677.483, 680.311, 679.531, 681.008, 683.508, 683.046, 683.860, 684.855, 686.224, 688.195, 689.335, 689.454, 689.584, 689.550, 688.264, 686.867, 686.323, 689.746, 688.402, 686.151, 683.095, 701.134
Vertical Alignment	R=80744.970 L=400.000 G=5.892% L=585.837
Horizontal Alignment	L=24.406, R: 55.000 L: 38.953, L=68.210, R: 30.000 L: 105.298, L=41.764, R: 55.000 L: 58.898, L=23.958, R: 55.000 L: 33.334, R: 55.000 L: 110.461, R: 30.000 L: 106.764, L=55.210, R: 125.000 L: 33.238, L=44.423, R: 500.000 L: 47.069, L=80.260, L=15.000, R: 30.00 L: 87.51
Chainage	1000.000, 1010.000, 1020.000, 1030.000, 1040.000, 1050.000, 1060.000, 1070.000, 1080.000, 1090.000, 1100.000, 1110.000, 1120.000, 1130.000, 1140.000, 1150.000, 1160.000, 1170.000, 1180.000, 1190.000, 1200.000, 1210.000, 1220.000, 1230.000, 1240.000, 1250.000, 1260.000, 1270.000, 1280.000, 1290.000, 1300.000, 1310.000, 1320.000, 1330.000, 1340.000, 1350.000, 1360.000, 1370.000, 1380.000, 1390.000, 1400.000, 1410.000, 1420.000, 1430.000, 1440.000, 1450.000, 1460.000, 1470.000, 1480.000, 1490.000, 1500.000, 1510.000, 1520.000, 1530.000, 1540.000, 1550.000, 1560.000, 1570.000, 1580.000, 1590.000, 1600.000, 1610.000, 1620.000, 1630.000, 1640.000, 1650.000, 1660.000, 1670.000, 1680.000, 1690.000, 1700.000, 1710.000, 1720.000, 1730.000, 1740.000, 1750.000, 1760.000, 1770.000, 1780.000, 1790.000, 1800.000, 1810.000, 1820.000, 1830.000, 1840.000, 1850.000, 1860.000, 1870.000, 1880.000, 1890.000, 1900.000, 1910.000, 1920.000, 1930.000, 1940.000, 1950.000, 1960.000, 1970.000, 1980.000, 1990.000, 2000.000

LEGEND

PLAN:-
PROP.CENTER LINE
PROP.CARRIAGEWAY EDGE
PROP.EARTHEN SHOULDER
TOE LINE
PROP.RIGHT OF WAY
CULVERT
MAJOR/MINOR BRIDGE

PROFILE:-
PROP.ROAD LEVEL
EXISTING GROUND LEVEL
GROUND LEVEL @6M LEFT
GROUND LEVEL @6M RIGHT



HIP NO. 19 AT CH. 2121.62				HIP NO. 20 AT CH. 2188.497				HIP NO. 21 AT CH. 2218.931				HIP NO. 22 AT CH. 2299.131				HIP NO. 23 AT CH. 2370.065				HIP NO. 24 AT CH. 2517.919				HIP NO. 25 AT CH. 2745.211				HIP NO. 26 AT CH. 2885.199				HIP NO. 27 AT CH. 2978.197			
X = 671188.355		Y = 3196454.871		X = 671143.021		Y = 3196405.78		X = 671132.176		Y = 3196377.154		X = 671071.502		Y = 3196324.399		X = 671008.297		Y = 3196292.111		X = 670905.064		Y = 3196182.664		X = 670680.18		Y = 3196232.952		X = 670589.067		Y = 3196343.555		X = 670498.837		Y = 3196311.742	
R (m)	80	Ls (m)	15	R (m)	50	Ls (m)	15	R (m)	35	Ls (m)		R (m)	90	Ls (m)	15	R (m)	100	Ls (m)	15	R (m)	80	Ls (m)	15	R (m)	55	Ls (m)		R (m)	30	Ls (m)		R (m)	55	Ls (m)	
Dc(deg)	8.4339	S(m)	0.12	Dc(deg)	9.3759	S(m)	0.19	Dc(deg)	30.1785	S(m)	0.12	Dc(deg)	6.7991	S(m)	0.1	Dc(deg)	14.882	S(m)	0.09	Dc(deg)	51.6271	S(m)	0.12	Dc(deg)	36.8964	S(m)		Dc(deg)	69.941	S(m)		Dc(deg)	6.7036	S(m)	
Lc(m)	11.78	Ts(deg)	5.3715	Lc(m)	8.18	Ts(deg)	8.5944	Lc(m)	18.43	Ts(deg)		Lc(m)	10.68	Ts(deg)	4.7746	Lc(m)	25.97	Ts(deg)	4.2972	Lc(m)	72.08	Ts(deg)	5.3715	Lc(m)	35.42	Ts(deg)		Lc(m)	36.62	Ts(deg)		Lc(m)	6.44	Ts(deg)	
Ts(m)	21.032	Δ(deg)	19.1769	Ts(m)	19.342	Δ(deg)	26.5646	Ts(m)	9.437	Δ(deg)	30.1785	Ts(m)	20.44	Δ(deg)	16.3484	Ts(m)	28.296	Δ(deg)	23.4764	Ts(m)	55.992	Δ(deg)	62.37	Ts(m)	18.347	Δ(deg)	36.8964	Ts(m)	20.983	Δ(deg)	69.941	Ts(m)	3.221	Δ(deg)	6.7036
Es(m)	1.255	e(%)	8.89%	Es(m)	1.569	e(%)	10.00%	Es(m)	1.25	e(%)	10.00%	Es(m)	1.025	e(%)	7.90%	Es(m)	2.228	e(%)	10.00%	Es(m)	13.653	e(%)	8.89%	Es(m)	2.98	e(%)	10.00%	Es(m)	6.61	e(%)	10.00%	Es(m)	0.094	e(%)	10.00%
V(km/hr)	40	We(m)	0.9	V(km/hr)	40	We(m)	1.2	V(km/hr)	30	We(m)	1.5	V(km/hr)	40	We(m)	0.9	V(km/hr)	50	We(m)	0.9	V(km/hr)	40	We(m)	0.9	V(km/hr)	40	We(m)	1.2	V(km/hr)	30	We(m)	1.5	V(km/hr)	40	We(m)	1.2
CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT		

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

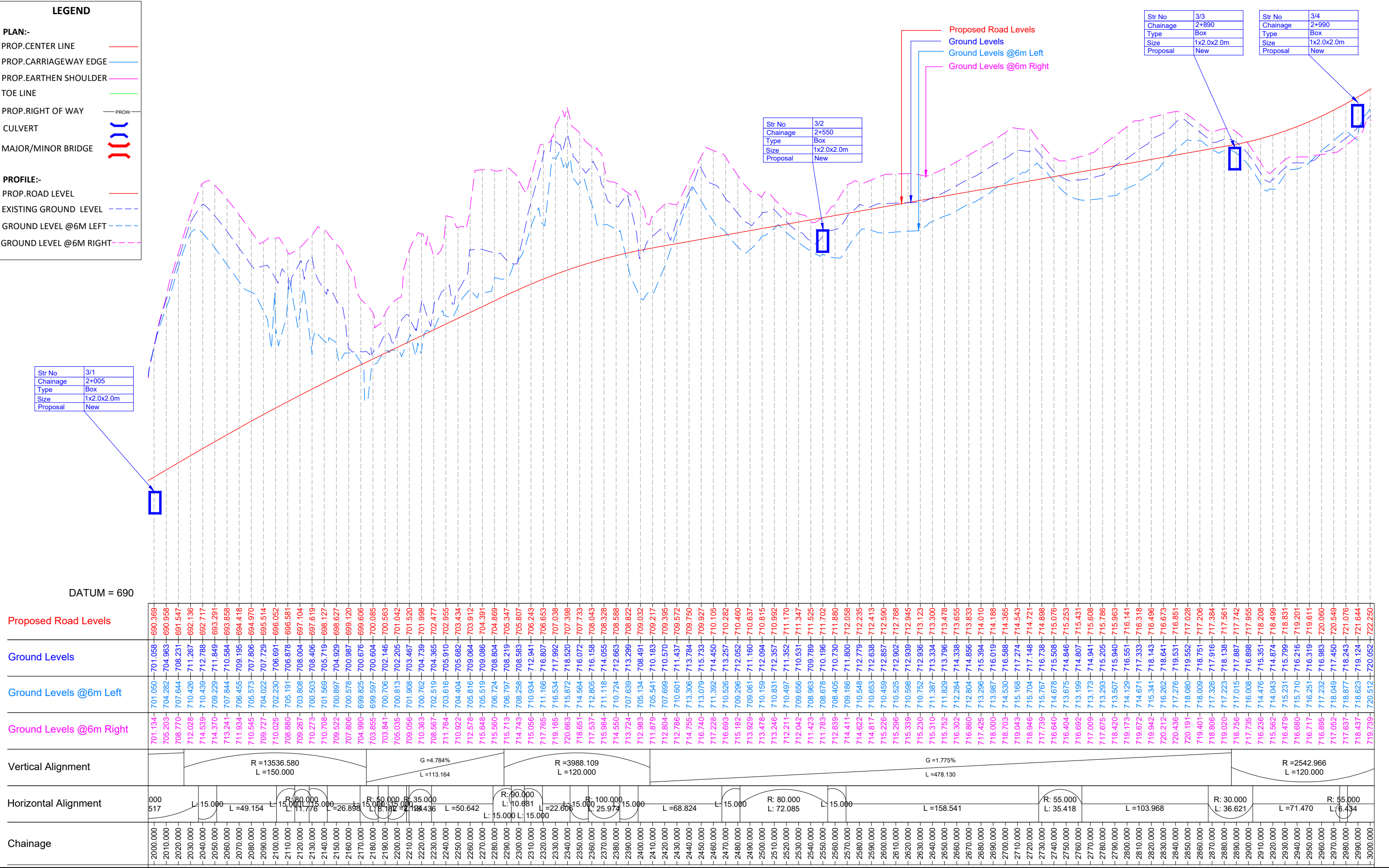
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



R7	AUG 2023	FINAL DPR	CLIENT:  National Highways & Infrastructure Development Corporation Limited. 3rd Floor, PTI building, 4-Parliament Street, New Delhi-110001	PROJECT: Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'	DPR CONSULTANT:  Shweta Technophile Consultants Pvt. Ltd. (222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)	DRAWN BY	ASHISH RAWAT	TITLE: PLAN AND PROFILE FROM CH:2+000 TO CH:3+000	DRAWING NO. NHIDCL/PANGO-JORGING/STC/PP- 06	A3
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT				DESIGN BY	RAM SONKAR			
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT				CHECKED BY	GEETA JINDAL			
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT				HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200			
R3	JULY 2018	DETAILED PROJECT REPORT								
REV.	DATE	DESCRIPTION OF REVISIONS								

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

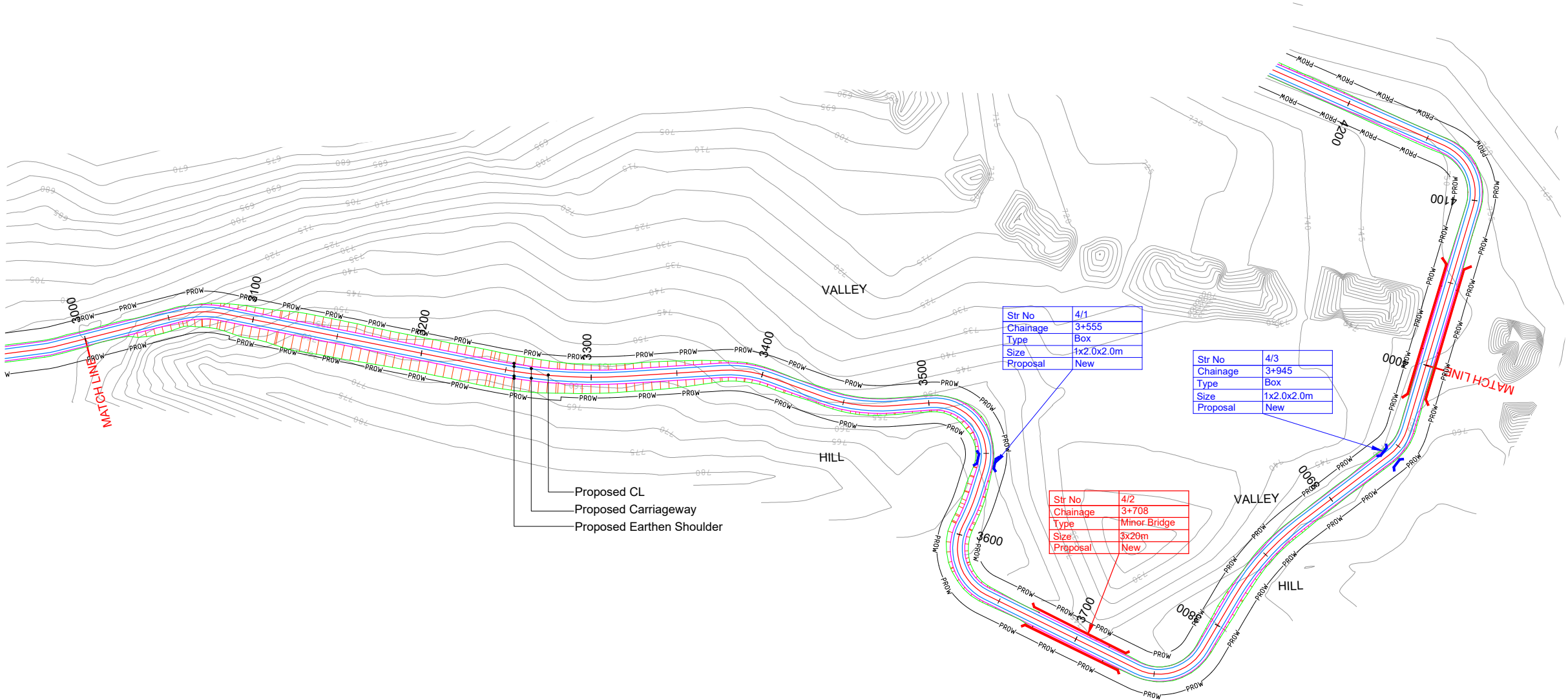
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 28 AT CH. 3069.579				HIP NO. 29 AT CH. 3281.225				HIP NO. 30 AT CH. 3390.482				HIP NO. 31 AT CH. 3457.923				HIP NO. 32 AT CH. 3530.264				HIP NO. 33 AT CH. 3582.645				HIP NO. 34 AT CH. 3617.983				HIP NO. 35 AT CH. 3761.672				HIP NO. 36 AT CH. 3848.262				HIP NO. 37 AT CH. 3951.733			
X = 670416.601	Y = 3196271.413			X = 670204.54	Y = 3196269.133			X = 670098.859	Y = 3196239.751			X = 670031.559	Y = 3196249.355			X = 669947.373	Y = 3196224.575			X = 669953.809	Y = 3196291.751			X = 669964.518	Y = 3196332.264			X = 669813.756	Y = 3196370.93			X = 669784.239	Y = 3196283.412			X = 669716.15	Y = 3196204.579		
R (m)	55	Ls (m)		R (m)	300	Ls (m)		R (m)	70	Ls (m)		R (m)	100	Ls (m)		R (m)	30	Ls (m)		R (m)	100	Ls (m)		R (m)	30	Ls (m)		R (m)	30	Ls (m)		R (m)	150	Ls (m)		R (m)	30	Ls (m)	
Dc(deg)	25.5081	S(m)		Dc(deg)	14.9208	S(m)		Dc(deg)	23.6582	S(m)		Dc(deg)	24.5226	S(m)		Dc(deg)	111.8738	S(m)		Dc(deg)	9.3335	S(m)		Dc(deg)	90.4223	S(m)		Dc(deg)	85.747	S(m)		Dc(deg)	22.18	S(m)		Dc(deg)	36.1384	S(m)	
Lc(m)	24.49	Ts(deg)		Lc(m)	78.13	Ts(deg)		Lc(m)	28.9	Ts(deg)		Lc(m)	42.8	Ts(deg)		Lc(m)	58.58	Ts(deg)		Lc(m)	16.29	Ts(deg)		Lc(m)	47.35	Ts(deg)		Lc(m)	44.9	Ts(deg)		Lc(m)	58.07	Ts(deg)		Lc(m)	18.92	Ts(deg)	
Ts(m)	12.449	Δ(deg)	25.5081	Ts(m)	39.285	Δ(deg)	14.9208	Ts(m)	14.661	Δ(deg)	23.6582	Ts(m)	21.733	Δ(deg)	24.5226	Ts(m)	44.371	Δ(deg)	111.8738	Ts(m)	8.163	Δ(deg)	9.3335	Ts(m)	30.222	Δ(deg)	90.4223	Ts(m)	27.852	Δ(deg)	85.747	Ts(m)	29.402	Δ(deg)	22.18	Ts(m)	9.788	Δ(deg)	36.1384
Es(m)	1.391	e(%)	10.00%	Es(m)	2.561	e(%)	3.70%	Es(m)	1.519	e(%)	10.00%	Es(m)	2.334	e(%)	10.00%	Es(m)	23.561	e(%)	10.00%	Es(m)	0.333	e(%)	10.00%	Es(m)	12.584	e(%)	10.00%	Es(m)	10.936	e(%)	10.00%	Es(m)	2.854	e(%)	7.41%	Es(m)	1.556	e(%)	10.00%
V(km/hr)	40	We(m)	1.2	V(km/hr)	50	We(m)	0.6	V(km/hr)	40	We(m)	0.9	V(km/hr)	50	We(m)	0.9	V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.9	V(km/hr)	30	We(m)	1.5	V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.6	V(km/hr)	30	We(m)	1.5
CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT		

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

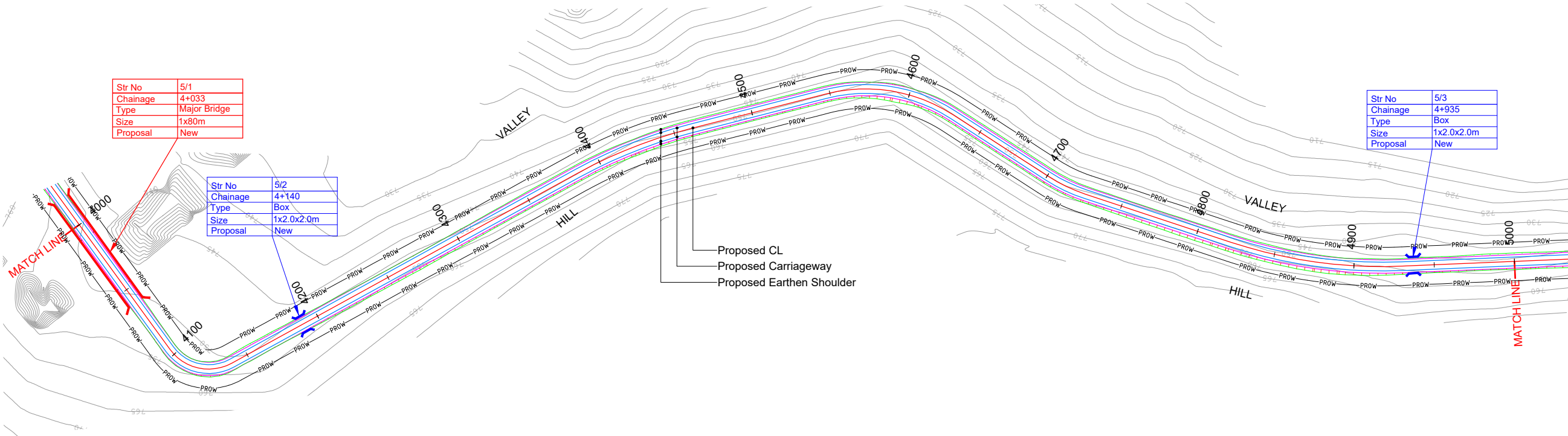
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 38 AT CH. 4117.5				HIP NO. 39 AT CH. 4422.668				HIP NO. 40 AT CH. 4588.747				HIP NO. 41 AT CH. 4713.528				HIP NO. 42 AT CH. 4876.01			
X = 669702.213		Y = 3196034.292		X = 670005.661		Y = 3195970.248		X = 670156.925		Y = 3195895.352		X = 670192.85		Y = 3195773.162		X = 670276.863		Y = 3195633.303	
R (m)	30	Ls (m)		R (m)	300	Ls (m)		R (m)	100	Ls (m)		R (m)	100	Ls (m)		R (m)	300	Ls (m)	
Dc(deg)	82.7599	S(m)		Dc(deg)	14.4236	S(m)		Dc(deg)	47.2753	S(m)		Dc(deg)	14.6087	S(m)		Dc(deg)	20.7384	S(m)	
Lc(m)	43.33	Ts(deg)		Lc(m)	75.52	Ts(deg)		Lc(m)	82.51	Ts(deg)		Lc(m)	25.5	Ts(deg)		Lc(m)	108.59	Ts(deg)	
Ts(m)	26.43	Δ(deg)	82.7599	Ts(m)	37.962	Δ(deg)	14.4236	Ts(m)	43.767	Δ(deg)	47.2753	Ts(m)	12.818	Δ(deg)	14.6087	Ts(m)	54.894	Δ(deg)	20.7384
Es(m)	9.982	e(%)	10.00%	Es(m)	2.392	e(%)	3.70%	Es(m)	9.158	e(%)	10.00%	Es(m)	0.818	e(%)	10.00%	Es(m)	4.981	e(%)	3.70%
V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.9	V(km/hr)	50	We(m)	0.9	V(km/hr)	50	We(m)	0.6
CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT		

PLAN:-

PROFILE:-

R7	AUG 2023	FINAL DPR	CLIENT:  National Highways & Infrastructure Development Corporation Limited. 3rd Floor, PTI building, 4-Parliament Street, New Delhi-110001	PROJECT: Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'	DPR CONSULTANT:  Shweta Technophile Consultants Pvt. Ltd. (222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)	DRAWN BY	ASHISH RAWAT	TITLE: PLAN AND PROFILE FROM CH:4+000 TO CH:5+000
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT				DESIGN BY	RAM SONKAR	
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT				CHECKED BY	GEETA JINDAL	
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT				HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200	
R3	JULY 2018	DETAILED PROJECT REPORT				DRAWING NO.		
REV.	DATE	DESCRIPTION OF REVISIONS				NHIDCL/PANGO-JORGING/STC/PP- 10		

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

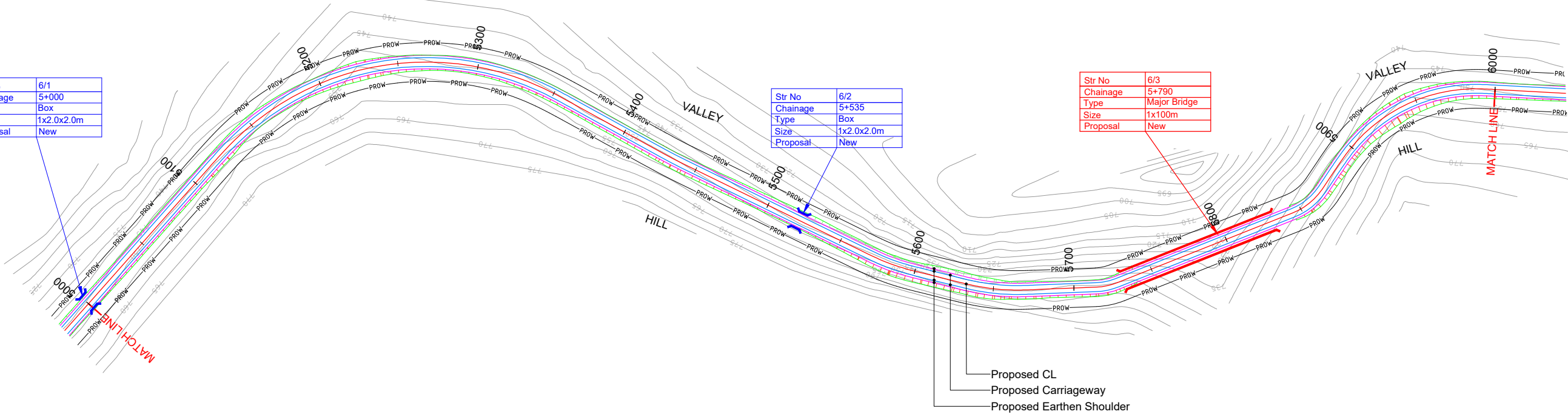
GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT

Str No	6/1
Chainage	5+000
Type	Box
Size	1x2.0x2.0m
Proposal	New

Str No	6/2
Chainage	5+535
Type	Box
Size	1x2.0x2.0m
Proposal	New

Str No	6/3
Chainage	5+790
Type	Major Bridge
Size	1x100m
Proposal	New



HIP NO. 43 AT CH. 5238.6				HIP NO. 44 AT CH. 5434.559				HIP NO. 45 AT CH. 5585.22				HIP NO. 46 AT CH. 5651.211				HIP NO. 47 AT CH. 5720.463				HIP NO. 48 AT CH. 5856.273				HIP NO. 49 AT CH. 5941.692			
X = 670567.355 Y = 3195392.459				X = 670485.056 Y = 3195199.036				X = 670427.499 Y = 3195059.823				X = 670415.532 Y = 3194994.951				X = 670421.257 Y = 3194925.866				X = 670478.712 Y = 3194802.32				X = 670553.133 Y = 3194753.757			
R (m)	170	Ls (m)	25	R (m)	300	Ls (m)		R (m)	100	Ls (m)	20	R (m)	125	Ls (m)	15	R (m)	40	Ls (m)		R (m)	40	Ls (m)		R (m)	100	Ls (m)	15
Dc(deg)	68.8554	S(m)	0.15	Dc(deg)	2.8119	S(m)		Dc(deg)	0.6715	S(m)	0.17	Dc(deg)	9.2173	S(m)	0.08	Dc(deg)	19.4562	S(m)		Dc(deg)	34.462	S(m)		Dc(deg)	50.6563	S(m)	0.09
Lc(m)	204.3	Ts(deg)	4.2129	Lc(m)	14.72	Ts(deg)		Lc(m)	1.17	Ts(deg)	5.7296	Lc(m)	20.11	Ts(deg)	3.4377	Lc(m)	13.58	Ts(deg)		Lc(m)	24.06	Ts(deg)		Lc(m)	88.41	Ts(deg)	4.2972
Ts(m)	148.524	Δ(deg)	77.2812	Ts(m)	7.363	Δ(deg)	2.8119	Ts(m)	20.64	Δ(deg)	12.1307	Ts(m)	25.181	Δ(deg)	16.0928	Ts(m)	6.858	Δ(deg)	19.4562	Ts(m)	12.406	Δ(deg)	34.462	Ts(m)	64.416	Δ(deg)	59.2507
Es(m)	47.84	e(%)	6.54%	Es(m)	0.09	e(%)	3.70%	Es(m)	0.734	e(%)	10.00%	Es(m)	1.324	e(%)	8.89%	Es(m)	0.584	e(%)	10.00%	Es(m)	1.88	e(%)	10.00%	Es(m)	15.142	e(%)	10.00%
V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.9	V(km/hr)	50	We(m)	0.6	V(km/hr)	30	We(m)	1.5	V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.9
CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT			CurveType	LEFT			CurveType	LEFT			CurveType	LEFT			CurveType	RIGHT		

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

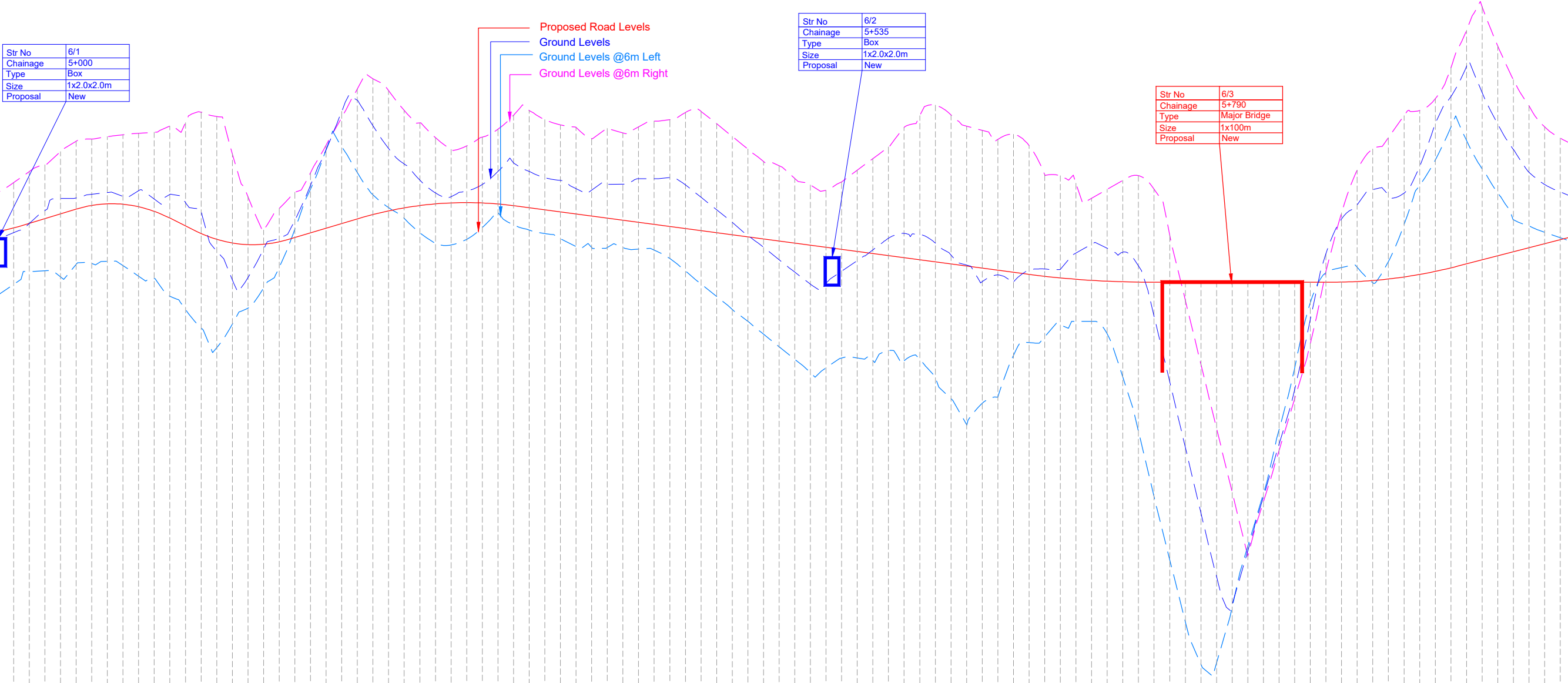
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



DATUM = 715	
Proposed Road Levels	749.386 742.823 746.406 746.910 750.021 743.513 746.823 747.126 750.734 744.334 747.409 747.423 751.171 744.389 748.238 747.724 752.008 743.994 749.008 748.026 752.669 744.793 749.040 748.328 752.820 744.852 749.276 748.566 752.971 744.992 749.391 748.671 753.087 744.714 749.138 748.642 753.180 744.043 749.513 748.480 753.244 743.888 748.975 748.184 753.650 742.754 749.268 747.754 753.863 741.899 748.748 747.255 754.537 740.723 748.185 746.770 754.252 739.458 745.632 746.399 751.870 740.973 743.809 746.160 749.118 741.993 743.949 746.054 746.993 743.273 745.771 746.081 748.372 744.604 746.464 746.240 749.406 747.040 747.617 746.518 750.653 749.598 749.841 746.814 752.420 752.125 752.125 747.111 754.191 752.324 754.579 747.407 756.017 750.662 755.290 747.704 756.671 749.248 753.657 747.982 755.903 748.428 752.208 748.217 754.649 747.738 751.218 748.409 753.846 746.817 750.195 748.558 752.898 746.138 749.371 748.664 752.149 746.042 749.128 748.727 752.373 746.398 749.485 748.747 752.936 747.148 749.907 748.724 753.442 748.114 750.736 748.659 754.333 747.314 751.290 748.550 754.643 746.988 750.744 748.417 754.050 746.764 750.344 748.283 753.721 746.432 750.164 748.150 753.561 745.940 749.640 748.017 752.849 745.877 749.547 747.883 753.491 745.872 749.913 747.750 753.203 745.874 749.925 747.617 753.594 745.771 750.278 747.483 753.962 745.709 750.271 747.350 754.055 745.170 750.354 747.217 754.512 744.373 749.879 747.084 754.584 743.540 749.095 746.950 753.790 742.739 748.288 746.817 752.979 741.912 747.488 746.684 752.172 741.145 746.643 746.550 751.379 740.332 745.896 746.417 751.105 739.522 745.092 746.284 750.288 738.719 744.301 746.150 749.880 737.863 743.523 746.017 750.078 738.801 744.357 745.750 750.817 738.807 745.036 745.617 751.561 738.644 745.722 745.484 752.305 739.273 746.467 745.351 753.554 738.624 746.776 745.217 754.311 738.729 746.704 745.084 754.977 737.531 746.152 744.951 754.355 736.199 745.393 744.817 753.636 734.541 744.747 744.684 753.368 735.906 743.688 744.551 752.793 736.305 744.118 744.417 753.114 738.976 743.675 744.284 752.395 739.794 744.415 744.151 750.546 740.161 744.488 744.031 750.465 740.924 744.480 743.928 749.986 741.155 745.516 743.841 749.030 741.155 746.082 743.771 749.596 740.344 745.822 743.717 750.162 737.578 745.573 743.680 750.472 734.115 744.687 743.660 749.608 729.920 741.482 743.656 746.671 725.908 737.286 743.656 742.493 721.930 733.090 743.656 738.397 719.207 728.894 743.656 734.301 719.295 724.807 743.656 730.206 722.874 723.050 743.656 726.124 726.767 726.471 743.656 729.607 730.119 729.937 743.656 732.876 734.211 733.279 743.656 736.206 738.170 736.817 743.656 739.737 742.338 741.257 743.656 744.345 744.249 745.488 743.656 748.095 744.590 747.702 743.661 750.820 744.607 748.598 743.694 752.181 743.616 749.580 743.760 752.895 744.983 749.252 743.858 754.308 747.328 749.355 743.989 754.634 749.848 751.063 744.151 755.391 751.470 753.836 744.346 757.388 753.571 755.533 744.572 759.770 752.720 757.466 744.826 761.275 750.903 755.769 745.084 758.763 749.358 753.779 745.341 756.603 747.651 752.155 745.599 754.932 747.258 750.680 745.856 753.593 746.843 749.905 746.113 752.872 746.496 749.427 746.371
Ground Levels	742.823 746.406 746.910 743.513 746.823 747.126 744.334 747.409 747.423 744.389 748.238 747.724 743.994 749.008 748.026 744.793 749.040 748.328 744.852 749.276 748.566 744.992 749.391 748.671 744.714 749.138 748.642 744.043 749.513 748.480 743.888 748.975 748.184 742.754 749.268 747.754 741.899 748.748 747.255 740.723 748.185 746.770 739.458 745.632 746.399 740.973 743.809 746.160 741.993 743.949 746.054 743.273 745.771 746.081 744.604 746.464 746.240 747.040 747.617 746.518 749.598 749.841 746.814 752.125 752.125 747.111 752.324 754.579 747.407 750.662 755.290 747.704 749.248 753.657 747.982 748.428 752.208 748.217 751.218 748.409 750.195 748.558 746.138 749.371 748.664 746.042 749.128 748.727 746.398 749.485 748.747 747.148 749.907 748.724 750.736 748.659 751.290 748.550 750.744 748.417 750.344 748.283 750.164 748.150 745.940 749.640 748.017 745.877 749.547 747.883 745.872 749.913 747.750 745.874 749.925 747.617 750.278 747.483 750.271 747.350 750.354 747.217 749.879 747.084 743.540 749.095 746.950 742.739 748.288 746.817 741.912 747.488 746.684 741.145 746.643 746.550 740.332 745.896 746.417 739.522 745.092 746.284 738.719 744.301 746.150 737.863 743.523 746.017 738.801 744.357 745.750 738.807 745.036 745.617 738.644 745.722 745.484 739.273 746.467 745.351 738.624 746.776 745.217 738.729 746.704 745.084 737.531 746.152 744.951 736.199 745.393 744.817 734.541 744.747 744.684 735.906 743.688 744.551 736.305 744.118 744.417 738.976 743.675 744.284 739.794 744.415 744.151 740.924 744.480 743.928 740.161 744.488 744.031 741.155 745.516 743.841 741.155 746.082 743.771 737.578 745.573 743.680 734.115 744.687 743.660 729.920 741.482 743.656 725.908 737.286 743.656 721.930 733.090 743.656 719.207 728.894 743.656 719.295 724.807 743.656 722.874 723.050 743.656 726.767 726.471 743.656 730.119 729.937 743.656 734.211 733.279 743.656 738.170 736.817 743.656 742.338 741.257 743.656 744.249 745.488 743.656 744.590 747.702 743.661 744.607 748.598 743.694 743.616 749.580 743.760 744.983 749.252 743.858 747.328 749.355 743.989 749.848 751.063 744.151 751.470 753.836 744.346 753.571 755.533 744.572 752.720 757.466 744.826 750.903 755.769 745.084 749.358 753.779 745.341 747.651 752.155 745.599 747.258 750.680 745.856 746.843 749.905 746.113 746.496 749.427 746.371
Ground Levels @6m Left	742.823 746.406 746.910 743.513 746.823 747.126 744.334 747.409 747.423 744.389 748.238 747.724 743.994 749.008 748.026 744.793 749.040 748.328 744.852 749.276 748.566 744.992 749.391 748.671 744.714 749.138 748.642 744.043 749.513 748.480 743.888 748.975 748.184 742.754 749.268 747.754 741.899 748.748 747.255 740.723 748.185 746.770 739.458 745.632 746.399 740.973 743.809 746.160 741.993 743.949 746.054 743.273 745.771 746.081 744.604 746.464 746.240 747.040 747.617 746.518 749.598 749.841 746.814 752.125 752.125 747.111 752.324 754.579 747.407 750.662 755.290 747.704 749.248 753.657 747.982 748.428 752.208 748.217 751.218 748.409 750.195 748.558 746.138 749.371 748.664 746.042 749.128 748.727 746.398 749.485 748.747 747.148 749.907 748.724 750.736 748.659 751.290 748.550 750.744 748.417 750.344 748.283 750.164 748.150 745.940 749.640 748.017 745.877 749.547 747.883 745.872 749.913 747.750 745.874 749.925 747.617 750.278 747.483 750.271 747.350 750.354 747.217 749.879 747.084 743.540 749.095 746.950 742.739 748.288 746.817 741.912 747.488 746.684 741.145 746.643 746.550 740.332 745.896 746.417 739.522 745.092 746.284 738.719 744.301 746.150 737.863 743.523 746.017 738.801 744.357 745.750 738.807 745.036 745.617 738.644 745.722 745.484 739.273 746.467 745.351 738.624 746.776 745.217 738.729 746.704 745.084 737.531 746.152 744.951 736.199 745.393 744.817 734.541 744.747 744.684 735.906 743.688 744.551 736.305 744.118 744.417 738.976 743.675 744.284 739.794 744.415 744.151 740.924 744.480 743.928 740.161 744.488 744.031 741.155 745.516 743.841 741.155 746.082 743.771 737.578 745.573 743.680 734.115 744.687 743.660 729.920 741.482 743.656 725.908 737.286 743.656 721.930 733.090 743.656 719.207 728.894 743.656 719.295 724.807 743.656 722.874 723.050 743.656 726.767 726.471 743.656 730.119 729.937 743.656 734.211 733.279 743.656 738.170 736.817 743.656 742.338 741.257 743.656 744.249 745.488 743.656 744.590 747.702 743.661 744.607 748.598 743.694 743.616 749.580 743.760 744.983 749.252 743.858 747.328 749.355 743.989 749.848 751.063 744.151 751.470 753.836 744.346 753.571 755.533 744.572 752.720 757.466 744.826 750.903 755.769 745.084 749.358 753.779 745.341 747.651 752.155 745.599 747.258 750.680 745.856 746.843 749.905 746.113 746.496 749.427 746.371
Ground Levels @6m Right	749.386 742.823 746.406 746.910 750.021 743.513 746.823 747.126 750.734 744.334 747.409 747.423 751.171 744.389 748.238 747.724 752.008 743.994 749.008 748.026 752.669 744.793 749.040 748.328 752.820 744.852 749.276 748.566 752.971 744.992 749.391 748.671 753.087 744.714 749.138 748.642 753.180 744.043 749.513 748.480 753.244 743.888 748.975 748.184 753.650 742.754 749.268 747.754 753.863 741.899 748.748 747.255 754.537 740.723 748.185 746.770 754.252 739.458 745.632 746.399 751.870 740.973 743.809 746.160 749.118 741.993 743.949 746.054 746.993 743.273 745.771 746.081 748.372 744.604 746.464 746.240 749.406 747.040 747.617 746.518 750.653 749.598 749.841 746.814 752.420 752.125 752.125 747.111 754.191 752.324 754.579 747.407 756.017 750.662 755.290 747.704 756.671 749.248 753.657 747.982 755.903 748.428 752.208 748.217 754.649 747.738 751.218 748.409 753.846 746.817 750.195 748.558 752.898 746.138 749.371 748.664 752.149 746.042 749.128 748.727 752.373 746.398 749.485 748.747 752.936 747.148 749.907 748.724 753.442 748.114 750.736 748.659 754.333 747.314 751.290 748.550 754.643 746.988 750.744 748.417 754.050 746.764 750.344 748.283 753.721 746.432 750.164 748.150 753.561 745.940 749.640 748.017 752.849 745.877 749.547 747.883 753.491 745.872 749.913 747.750 753.203 745.874 749.925 747.617 753.594 745.771 750.278 747.483 753.962 745.709 750.271 747.350 754.055 745.170 750.354 747.217 754.512 744.373 749.879 747.084 754.584 743.540 749.095 746.950 753.790 742.739 748.288 746.817 752.979 741.912 747.488 746.684 752.172 741.145 746.643 746.550 751.379 740.332 745.896 746.417 751.105 739.522 745.092 746.284 750.288 738.719 744.301 746.150 749.880 737.863 743.523 746.017 750.078 738.801 744.357 745.750 750.817 738.807 745.036 745.617 751.561 738.644 745.722 745.484 752.305 739.273 746.467 745.351 753.554 738.624 746.776 745.217 754.311 738.729 746.704 745.084 754.977 737.531 746.152 744.951 754.355 736.199 745.393 744.817 753.636 734.541 744.747 744.684 753.368 735.906 743.688 744.551 752.793 736.305 744.118 744.417 753.114 738.976 743.675 744.284 752.395 739.794 744.415 744.151 750.546 740.161 744.488 744.031 750.465 740.924 744.480 743.928 749.986 741.155 745.516 743.841 749.030 741.155 746.082 743.771 749.596 740.344 745.822 743.717 750.162 737.578 745.573 743.680 750.472 734.115 744.687 743.660 749.608 729.920 741.482 743.656 746.671 725.908 737.286 743.656 742.493 721.930 733.090 743.656 738.397 719.207 728.894 743.656 734.301 719.295 724.807 743.656 730.206 722.874 723.050 743.656 726.124 726.767 726.471 743.656 729.607 730.119 729.937 743.656 732.876 734.211 733.279 743.656 736.206 738.170 736.817 743.656 739.737 742.338 741.257 743.656 744.345 744.249 745.488 743.656 748.095 744.590 747.702 743.661 750.820 744.607 748.598 743.694 752.181 743.616 749.580 743.760 752.895 744.983 749.252 743.858 754.308 747.328 749.355 743.989 754.634 749.848 751.063 744.151 755.391 751.470 753.836 744.346 757.388 753.571 755.533 744.572 759.770 752.720 757.466 744.826 761.275 750.903 755.769 745.084 758.763 749.358 753.779 745.341 756.603 747.651 752.155 745.599 754.932 747.258 750.680 745.856 753.593 746.843 749.905 746.113 752.872 746.496 749.427 746.371
Vertical Alignment	G =3.0417% L =37.276 R =749.013 L =60.000 G =-4.994% L =15.105 R =753.852 L =60.000 G =2.966% L =45.345 R =2326.294 L =100.000 G =-1.333% L =326.421 R =6001.204 L =80.000 G =0.000% L =117.414 R =3108.057 L =80.000 G =2.574% L =79.156 L =181.149 L =25.000 R =170.000 L =204.298 L =25.000 L =61.447 R =300.000 L =14.723 L =122.714 R =100.000 L =11.722

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

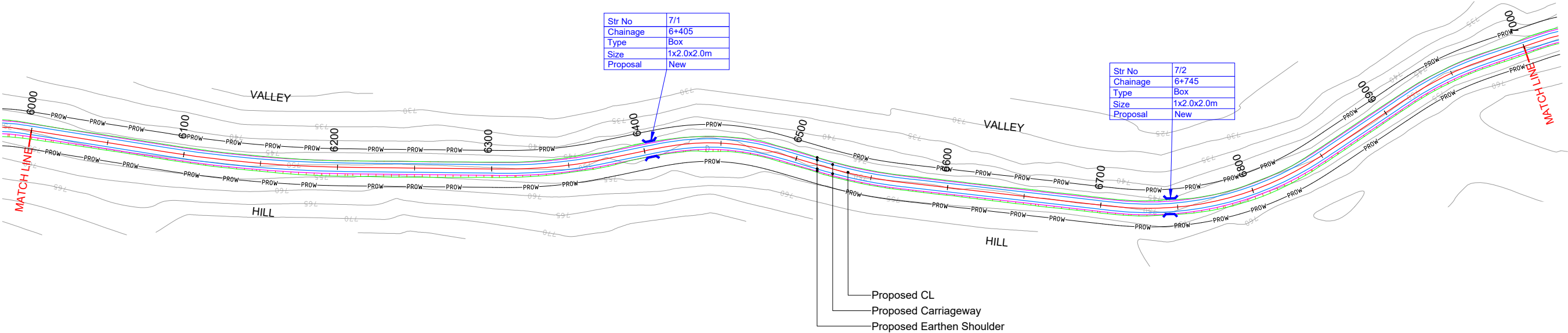
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 50 AT CH. 6147.819				HIP NO. 51 AT CH. 6340.473				HIP NO. 52 AT CH. 6448.35				HIP NO. 53 AT CH. 6544.385				HIP NO. 54 AT CH. 6778.983				HIP NO. 55 AT CH. 6945.123			
X = 670557.612		Y = 3194544.553		X = 670587.088		Y = 3194354.01		X = 670621.906		Y = 3194251.764		X = 670613.547		Y = 3194155.986		X = 670627.486		Y = 3193919.939		X = 670738.775		Y = 3193794.033	
R (m)	800	Ls (m)		R (m)	300	Ls (m)	15	R (m)	150	Ls (m)	30	R (m)	300	Ls (m)	15	R (m)	200	Ls (m)	20	R (m)	200	Ls (m)	20
Dc(deg)	8.4197	S(m)		Dc(deg)	9.4588	S(m)	0.03	Dc(deg)	16.6796	S(m)	0.25	Dc(deg)	7.064	S(m)	0.03	Dc(deg)	34.6276	S(m)	0.08	Dc(deg)	9.3773	S(m)	0.08
Lc(m)	117.56	Ts(deg)		Lc(m)	49.53	Ts(deg)	1.4324	Lc(m)	43.67	Ts(deg)	5.7296	Lc(m)	36.99	Ts(deg)	1.4324	Lc(m)	120.87	Ts(deg)	2.8648	Lc(m)	32.73	Ts(deg)	2.8648
Ts(m)	58.887	Δ(deg)	8.4197	Ts(m)	39.891	Δ(deg)	12.3236	Ts(m)	52.65	Δ(deg)	28.1387	Ts(m)	33.561	Δ(deg)	9.9288	Ts(m)	83.529	Δ(deg)	40.3571	Ts(m)	36.53	Δ(deg)	15.1069
Es(m)	2.164	e(%)	-2.50%	Es(m)	1.773	e(%)	3.70%	Es(m)	4.897	e(%)	7.41%	Es(m)	1.16	e(%)	3.70%	Es(m)	13.164	e(%)	5.56%	Es(m)	1.831	e(%)	5.56%
V(km/hr)	50	We(m)	Nil	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6
CurveType	LEFT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT			CurveType	RIGHT		

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

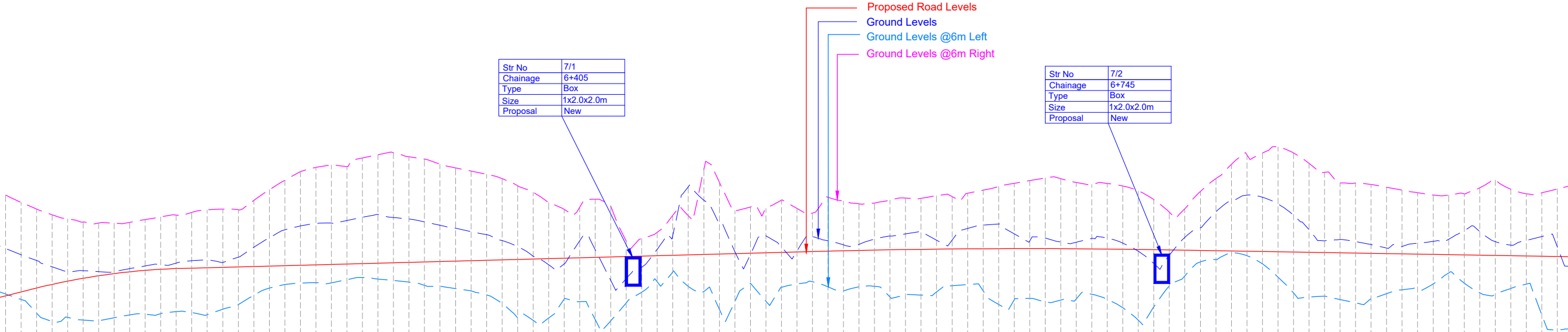
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



DATUM = 720									
Proposed Road Levels									

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

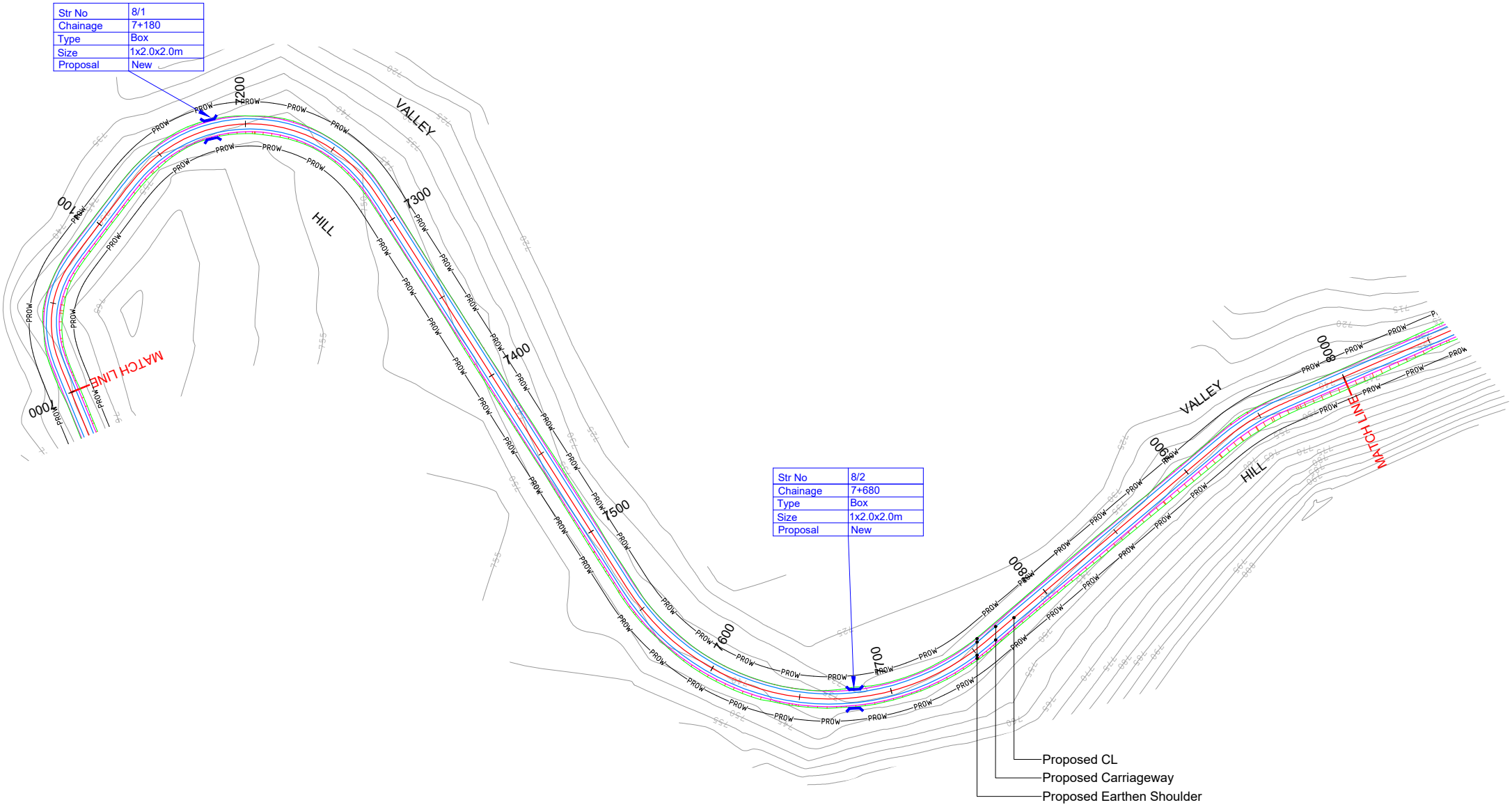
PROFILE:-

PROP.ROAD LEVEL

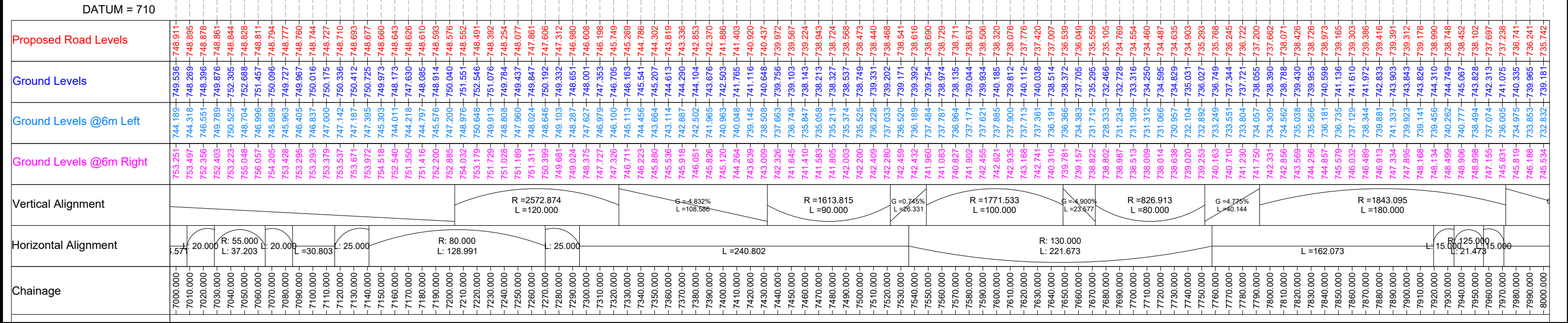
EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 56 AT CH. 7046.662					HIP NO. 57 AT CH. 7205.562					HIP NO. 58 AT CH. 7646.696					HIP NO. 59 AT CH. 7945.342				
X = 670783.379		Y = 3193702.335			X = 670682.299		Y = 3193556.618			X = 670364.752		Y = 3193939.056			X = 670129.25		Y = 3193698.6		
R (m)	55	Ls (m)	20		R (m)	80	Ls (m)	25		R (m)	130	Ls (m)			R (m)	125	Ls (m)	15	
Dc(deg)	38.7559	S(m)	0.3		Dc(deg)	92.383	S(m)	0.33		Dc(deg)	97.6999	S(m)			Dc(deg)	9.843	S(m)	0.08	
Lc(m)	37.2	Ts(deg)	10.4174		Lc(m)	128.99	Ts(deg)	8.9525		Lc(m)	221.67	Ts(deg)			Lc(m)	21.47	Ts(deg)	3.4377	
Ts(m)	41.654	Δ(deg)	59.5907		Ts(m)	127.829	Δ(deg)	110.2879		Ts(m)	148.759	Δ(deg)	97.6999		Ts(m)	25.878	Δ(deg)	16.7185	
Es(m)	8.724	e(%)	10.00%		Es(m)	60.556	e(%)	8.89%		Es(m)	67.558	e(%)	8.55%		Es(m)	1.423	e(%)	8.89%	
V(km/hr)	40	We(m)	1.2		V(km/hr)	40	We(m)	0.9		V(km/hr)	50	We(m)	0.6		V(km/hr)	50	We(m)	0.6	
CurveType	RIGHT				CurveType	RIGHT				CurveType	LEFT				CurveType	RIGHT			



R7	AUG 2023	FINAL DPR	CLIENT: National Highways & Infrastructure Development Corporation Limited. 3rd Floor, PTI building, 4-Parliament Street, New Delhi-110001	PROJECT: Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'	DPR CONSULTANT: Shweta Technophile Consultants Pvt. Ltd. (222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)	DRAWN BY	ASHISH RAWAT	TITLE: PLAN AND PROFILE FROM CH:7+000 TO CH:8+000	DRAWING NO. NHIDCL/PANGO-JORGING/STC/PP- 15	A3
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT				DESIGN BY	RAM SONKAR			
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT				CHECKED BY	GEETA JINDAL			
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT				HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200			
R3	JULY 2018	DETAILED PROJECT REPORT								
REV.	DATE	DESCRIPTION OF REVISIONS								

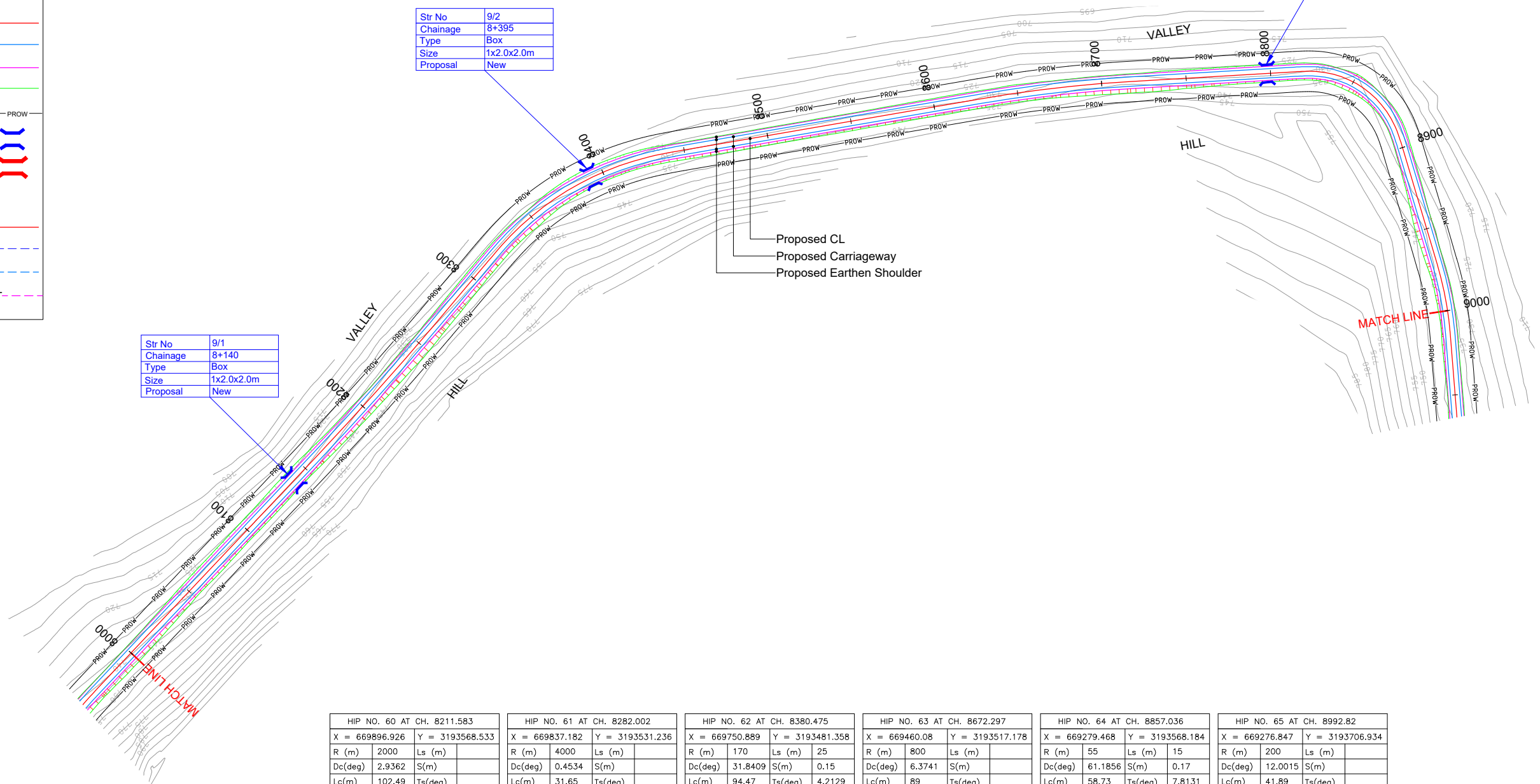
PLAN:-

PROFILE:-

Str No	9/1
Chainage	8+140
Type	Box
Size	1x2.0x2.0m
Proposal	New

Str No	9/2
Chainage	8+395
Type	Box
Size	1x2.0x2.0m
Proposal	New

Str No	9/3
Chainage	8+800
Type	Box
Size	1x2.0x2.0m
Proposal	New



HIP NO. 60 AT CH. 8211.583			
X = 669896.926		Y = 3193568.533	
R (m)	2000	Ls (m)	
Dc(deg)	2.9362	S(m)	
Lc(m)	102.49	Ts(deg)	
Ts(m)	51.257	Δ (deg)	2.9362
Es(m)	0.657	e(%)	-2.50%
V(km/hr)	50	We(m)	Nil
CurveType	LEFT		

HIP NO. 61 AT CH. 8282.002			
X = 669837.182		Y = 3193531.236	
R (m)	4000	Ls (m)	
Dc(deg)	0.4534	S(m)	
Lc(m)	31.65	Ts(deg)	
Ts(m)	15.825	Δ (deg)	0.4534
Es(m)	0.031	e(%)	-2.50%
V(km/hr)	50	We(m)	Nil
CurveType	RIGHT		

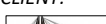
HIP NO. 62 AT CH. 8380.475	
X = 669750.889	Y = 3193481.358
R (m)	170
Rs (m)	25
Dc(deg)	31.8409
S(m)	0.15
Lc(m)	94.47
Ts(deg)	4.2129
Ts(m)	74.876
Δ (deg)	40.2668
E(s/m)	11.224
e(%)	6.54%
V(km/hr)	50
We(m)	0.6
CurveType	RIGHT

HIP NO. 63 AT CH. 8672.297			
X = 669460.08		Y = 3193517.178	
R (m)	800	Ls (m)	
Dc(deg)	6.3741	S(m)	
Lc(m)	89	Ts(deg)	
Ts(m)	44.545	Δ (deg)	6.3741
Es(m)	1.239	e(%)	-2.50%
V(km/hr)	50	We(m)	Nil
CurveType	RIGHT		

HIP NO. 64 AT CH. 8857.036			
X = 669279.468		Y = 3193568.184	
R (m)	55	Ls (m)	15
Dc(deg)	61.1856	S(m)	0.17
Lc(m)	58.73	Ts(deg)	7.8131
Ts(m)	51.232	Δ (deg)	76.8118
Es(m)	15.403	e(%)	10.00%
V(km/hr)	40	We(m)	1.2
CurveType	RIGHT		

HIP NO. 65 AT CH. 8992.82			
X = 669276.847		Y = 3193706.934	
R (m)	200	Ls (m)	
Dc(deg)	12.0015	S(m)	
Lc(m)	41.89	Ts(deg)	
Ts(m)	21.023	Δ (deg)	12.0015
Es(m)	1.102	e(%)	5.56%
V(km/hr)	50	We(m)	0.6
CurveType	RIGHT		

CLIENT:



**National Highways & Infrastructure
Development Corporation Limited.**
3rd Floor, PTI building, 4-Parliament
Street, New Delhi-110001

PROJECT: Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'

DPR CONSULTANT:

 Shweta Technophile Consultants Pvt. Ltd.
(222-223,313, Rajhans Plaza,
Ahinsa Khand-I, Indirapuram,
Ghaziabad, UP-201014)

DRAWN BY	ASHISH RAWAT
DESIGN BY	RAM SONKAR
CHECKED BY	GEETA JINDAL
HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200

TITLE: PLAN AND PROFILE FROM CH:8+000 TO CH:9+000	
DRAWING NO. NHIDCL/PANGO-JORGING/STC/PP- 16	A3

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

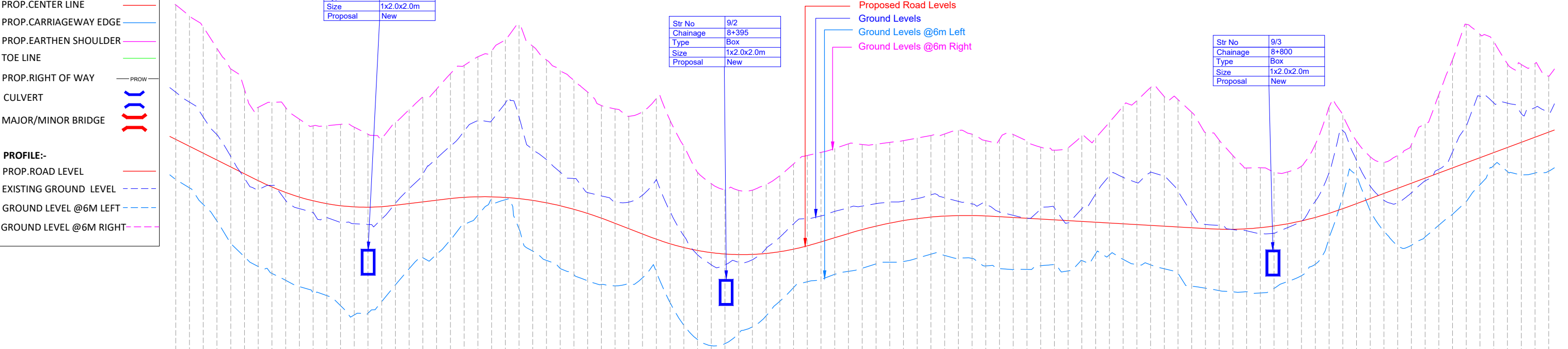
GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT

Str No	9/1
Chainage	8+140
Type	Box
Size	1x2.0x2.0m
Proposal	New

Str No	9/2
Chainage	8+395
Type	Box
Size	1x2.0x2.0m
Proposal	New

Str No	9/3
Chainage	8+800
Type	Box
Size	1x2.0x2.0m
Proposal	New



DATUM = 700

Proposed Road Levels	735.742	735.243	734.744	734.245	733.746	733.247	732.748	732.249	731.750	731.251	730.752	730.253	729.754	729.255	728.756	728.257	727.758	727.259	726.760	726.261	725.762	725.263	724.764	724.265	723.766	723.267	722.768	722.269	721.770	721.271	720.772	720.273	719.774	719.275	718.776	718.277	717.778	717.279	716.780	716.281	715.782	715.283	714.784	714.285	713.786	713.287	712.788	712.289	711.790	711.291	710.792	710.293	709.794	709.295	708.796	708.297	707.798	707.299	706.800	706.301	705.802	705.303	704.804	704.305	703.806	703.307	702.808	702.309	701.810	701.311	700.812	700.313	699.814	699.315	698.816	698.317	697.818	697.319	696.820	696.321	695.822	695.323	694.824	694.325	693.826	693.327	692.828	692.329	691.830	691.331	690.832	690.333	689.834	689.335	688.836	688.337	687.838	687.339	686.840	686.341	685.842	685.343	684.844	684.345	683.846	683.347	682.848	682.349	681.850	681.351	680.852	680.353	679.854	679.355	678.856	678.357	677.858	677.359	676.860	676.361	675.862	675.363	674.864	674.365	673.866	673.367	672.868	672.369	671.870	671.371	670.872	670.373	669.874	669.375	668.876	668.377	667.878	667.379	666.880	666.381	665.882	665.383	664.884	664.385	663.886	663.387	662.888	662.389	661.890	661.391	660.892	660.393	659.894	659.395	658.896	658.397	657.898	657.399	656.900	656.401	655.902	655.403	654.904	654.405	653.906	653.407	652.908	652.409	651.910	651.411	650.912	650.413	649.914	649.415	648.916	648.417	647.918	647.419	646.920	646.421	645.922	645.423	644.924	644.425	643.926	643.427	642.928	642.429	641.930	641.431	640.932	640.433	639.934	639.435	638.936	638.437	637.938	637.439	636.940	636.441	635.942	635.443	634.944	634.445	633.946	633.447	632.948	632.449	631.950	631.451	630.952	630.453	629.954	629.455	628.956	628.457	627.958	627.459	626.960	626.461	625.962	625.463	624.964	624.465	623.966	623.467	622.968	622.469	621.970	621.471	620.972	620.473	619.974	619.475	618.976	618.477	617.978	617.479	616.980	616.481	615.982	615.483	614.984	614.485	613.986	613.487	612.988	612.489	611.990	611.491	610.992	610.493	609.994	609.495	608.996	608.497	607.998	607.499	606.900	606.401	605.902	605.403	604.904	604.405	603.906	603.407	602.908	602.409	601.910	601.411	600.912	600.413	599.914	599.415	598.916	598.417	597.918	597.419	596.920	596.421	595.922	595.423	594.924	594.425	593.926	593.427	592.928	592.429	591.930	591.431	590.932	590.433	589.934	589.435	588.936	588.437	587.938	587.439	586.940	586.441	585.942	585.443	584.944	584.445	583.946	583.447	582.948	582.449	581.950	581.451	580.952	580.453	579.954	579.455	578.956	578.457	577.958	577.459	576.960	576.461	575.962	575.463	574.964	574.465	573.966	573.467	572.968	572.469	571.970	571.471	570.972	570.473	569.974	569.475	568.976	568.477	567.978	567.479	566.980	566.481	565.982	565.483	564.984	564.485	563.986	563.487	562.988	562.489	561.990	561.491	560.992	560.493	559.994	559.495	558.996	558.497	557.998	557.499	556.900	556.401	555.902	555.403	554.904	554.405	553.906	553.407	552.908	552.409	551.910	551.411	550.912	550.413	549.914	549.415	548.916	548.417	547.918	547.419	546.920	546.421	545.922	545.423	544.924	544.425	543.926	543.427	542.928	542.429	541.930	541.431	540.932	540.433	539.934	539.435	538.936	538.437	537.938	537.439	536.940	536.441	535.942	535.443	534.944	534.445	533.946	533.447	532.948	532.449	531.950	531.451	530.952	530.453	529.954	529.455	528.956	528.457	527.958	527.459	526.960	526.461	525.962	525.463	524.964	524.465	523.966	523.467	522.968	522.469	521.970	521.471	520.972	520.473	519.974	519.475	518.976	518.477	517.978	517.479	516.980	516.481	515.982	515.483	514.984	514.485	513.986	513.487	512.988	512.489	511.990	511.491	510.992	510.493	509.994	509.495	508.996	508.497	507.998	507.499	506.900	506.401	505.902	505.403	504.904	504.405	503.906	503.407	502.908	502.409	501.910	501.411	500.912	500.413	499.914	499.415	498.916	498.417	497.918	497.419	496.920	496.421	495.922	495.423	494.924	494.425	493.926	493.427	492.928	492.429	491.930	491.431	490.932	490.433	489.934	489.435	488.936	488.437	487.938	487.439	486.940	486.441	485.942	485.443	484.944	484.445	483.946	483.447	482.948	482.449	481.950	481.451	480.952	480.453	479.954	479.455	478.956	478.457	477.958	477.459	476.960	476.461	475.962	475.463	474.964	474.465	473.966	473.467	472.968	472.469	471.970	471.471	470.972	470.473	469.974	469.475	468.976	468.477	467.978	467.479	466.980	466.481	465.982	465.483	464.984	464.485	463.986	463.487	462.988	462.489	461.990	461.491	460.992	460.493	459.994	459.495	458.996	458.497	457.998	457.499	456.900	456.401	455.902	455.403	454.904	454.405	453.906	453.407	452.908	452.409	451.910	451.411	450.912	450.413	449.914	449.415	448.916	448.417	447.918	447.419	446.920	446.421	445.922	445.423	444.924	444.425	443.926	443.427	442.928	442.429	441.930	441.431	440.932	440.433	439.934	439.435	438.936	438.437	437.938	437.439	436.940	436.441	435.942	435.443	434.944	434.445	433.946	433.447	432.948	432.449	431.950	431.451	430.952	430.453	429.954	429.455	428.956	428.457	427.958	427.459	426.960	426.461	425.962	425.463	424.964	424.465	423.966	423.467	422.968	422.469	421.970	421.471	420.972	420.473	419.974	419.475	418.976	418.477	417.978	417.479	416.980	416.481	415.982	415.483	414.984	414.485	413.986	413.487	412.988	412.489	411.990	411.491	410.992	410.493	409.994	409.495	408.996	408.497	407.998	407.499	406.900	406.401	405.902	405.403	404.904	404.405	403.906	403.407	402.908	402.409	401.910	401.411	400.912	400.413	399.914	399.415	398.916	398.417	397.918	397.419	396.920	396.421	395.922	395.423	394.924	394.425	393.926	393.427	392.928	392.429	391.930	391.431	390.932	390.433	389.934	389.435	388.936	388.437	387.938	387.439	386.940	386.441	385.942	385.443	384.944	384.445	383.946	383.447	382.948	382.449	381.950	381.451	380.952	380.453	379.954	379.455	378.956	378.457	377.958	377.459	376.960	376.461	375.962	375.463	374.964	374.465	373.966	373.467	372.968	372.469	371.970	371.471	370.972	370.473	369.974	369.475	368.976	368.477	367.978	367.479	366.980	366.481	365.982	365.483	364.984	364.485	363.986	363.487	362.988	362.489	361.990	361.491	360.992	360.493	359.994	359.495	358.996	358.497	357.998	357.499	356.900	356.401	355.902	355.403	354.904	354.405	353.906	353.407	352.908	352.409	351.910	351.411	350.912	350.413	349.914	349.415	348.916	348.417	347.918	347.419	346.920	346.421	345.922	345.423	344.924	344.425	343.926	343.427	342.928	342.429	341.930	341.431	340.932	340.433	339.934	339.435	338.936	338.437	337.938	337.439	336.940	336.441	335.942	335.443	334.944	334.445	333.946	333.447	332.948	332.449	331.950	331.451	330.952	330.453	329.954	329.455	328.956	328.457	327.958	327.459	326.960	326.461	325.962	325.463	324.964	324.465	323.966	323.467	322.968	322.469	321.970	321.471	320.972	320.473	319.974	319.475	318.976	318.477	317.978	317.479	316.980	316.481	315.982	315.483	314.984	314.485	313.986	313.487	312.988	312.489	311.990	311.491	310.992	310.493	309.994	309.495	308.996	308.497	307.998	307.499	306.900	306.401	305.902	305.403	304.904	304.405	303.906	303.407	302.908	302.409	301.910	301.411	300.912	300.413	299.914	299.415	298.916	298.417	297.918	297.419	296.920	296.421	295.922	295.423	294.924	294.425	293.926	293.427	292.928	292.429	291.930	291.431	290.932	290.433	289.934	289.435	288.936	288.437	287.938	287.439	286.940	286.441	285.942	285.443	284.944	284.445	283.946	283.447	282.948	282.449	281.950	281.451	280.952	280.453	279.954	279.455	278.956	278.457	277.958	277.459	276.960	276.461	275.962	275.463	274.964	274.465	273.966	273.467	272.968	272.469	271.970	271.471	270.972	270.473	269.974	269.475	268.976	268.477	267.978	267.479	266.980	266.481	265.982	265.483	264.984
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LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

PROFILE:-

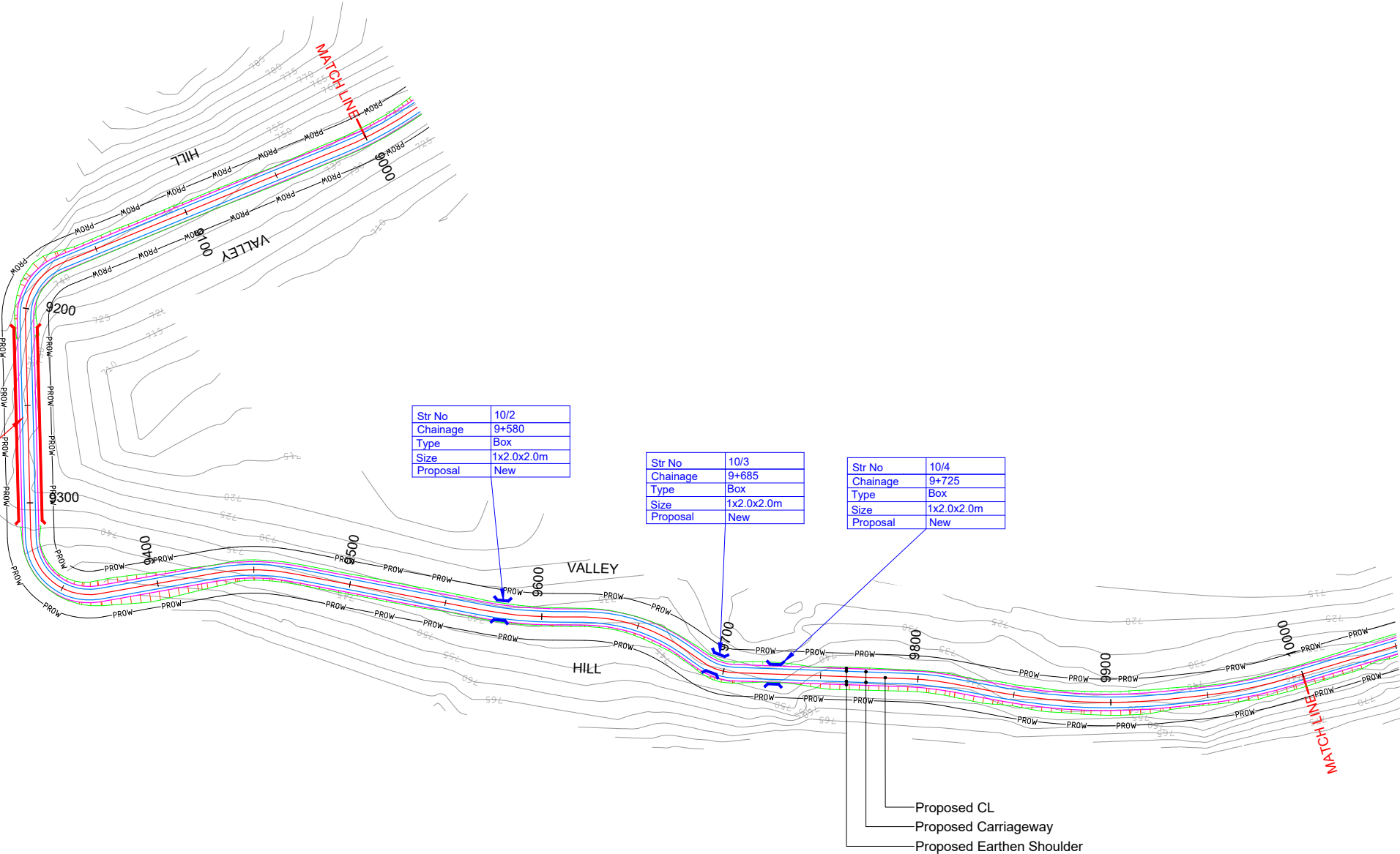
PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT

Str No	10/1
Chainage	9+266
Type	Major Bridge
Size	1x100m
Proposal	New



HIP NO. 66 AT CH. 9187.224					
X = 669321.26	Y = 3193898.916				
R (m)	30	Ls (m)			
Dc(deg)	69.1388	S(m)			
Lc(m)	36.2	Ts(deg)			
Ts(m)	20.672	Δ(deg)	69.1388		
Es(m)	6.433	e(%)	10.00%		
V(km/hr)	30	We(m)	1.5		
CurveType	LEFT				

HIP NO. 67 AT CH. 9343.786					
X = 669181.609	Y = 3193992.714				
R (m)	30	Ls (m)			
Dc(deg)	98.6843	S(m)			
Lc(m)	51.67	Ts(deg)			
Ts(m)	34.93	Δ(deg)	98.6843		
Es(m)	16.045	e(%)	10.00%		
V(km/hr)	30	We(m)	1.5		
CurveType	LEFT				

HIP NO. 68 AT CH. 9450.368					
X = 669131.01	Y = 3193888.727				
R (m)	100	Ls (m)	20		
Dc(deg)	9.5483	S(m)	0.17		
Lc(m)	16.67	Ts(deg)	5.7296		
Ts(m)	28.569	Δ(deg)	21.0075		
Es(m)	1.877	e(%)	10.00%		
V(km/hr)	50	We(m)	0.9		
CurveType	RIGHT				

HIP NO. 69 AT CH. 9587.34					
X = 669033.162	Y = 3193792.854				
R (m)	200	Ls (m)			
Dc(deg)	10.498	S(m)			
Lc(m)	36.65	Ts(deg)			
Ts(m)	18.374	Δ(deg)	10.498		
Es(m)	0.842	e(%)	5.56%		
V(km/hr)	50	We(m)	0.6		
CurveType	LEFT				

HIP NO. 70 AT CH. 9649.386					
X = 668996.404	Y = 3193741.726				
R (m)	90	Ls (m)			
Dc(deg)	34.7951	S(m)			
Lc(m)	54.66	Ts(deg)			
Ts(m)	28.2	Δ(deg)	34.7951		
Es(m)	4.315	e(%)	7.90%		
V(km/hr)	40	We(m)	0.9		
CurveType	RIGHT				

HIP NO. 71 AT CH. 9696.943					
X = 668950.513	Y = 3193725.483				
R (m)	30	Ls (m)			
Dc(deg)	33.1991	S(m)			
Lc(m)	17.38	Ts(deg)			
Ts(m)	8.943	Δ(deg)	33.1991		
Es(m)	1.305	e(%)	10.00%		
V(km/hr)	30	We(m)	1.5		
CurveType	LEFT				

HIP NO. 72 AT CH. 9806.244					
X = 668884.098	Y = 3193638.332				
R (m)	150	Ls (m)			
Dc(deg)	8.5982	S(m)			
Lc(m)	22.51	Ts(deg)			
Ts(m)	11.276	Δ(deg)	8.5982		
Es(m)	0.423	e(%)	7.41%		
V(km/hr)	50	We(m)	0.6		
CurveType	RIGHT				

HIP NO. 73 AT CH. 9886.455					
X = 668826.249	Y = 3193582.288				
R (m)	300	Ls (m)			
Dc(deg)	16.7021	S(m)			
Lc(m)	87.45	Ts(deg)			
Ts(m)	44.038	Δ(deg)	16.7021		
Es(m)	3.215	e(%)	3.70%		
V(km/hr)	50	We(m)	0.6		
CurveType	LEFT				

HIP NO. 74 AT CH. 9970.411					
X = 668785.097	Y = 3193508.674				
R (m)	250	Ls (m)			
Dc(deg)	10.6889	S(m)			
Lc(m)	46.64	Ts(deg)			
Ts(m)	23.387	Δ(deg)	10.6889		
Es(m)	1.092	e(%)	4.44%		
V(km/hr)	50	We(m)	0.6		
CurveType	LEFT				

R7	AUG 2023	FINAL DPR
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT
R3	JULY 2018	DETAILED PROJECT REPORT
REV.	DATE	DESCRIPTION OF REVISIONS

CLIENT:



National Highways & Infrastructure Development Corporation Limited.
3rd Floor, PTI building, 4-Parliament Street, New Delhi-110001

PROJECT:

Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'

DPR CONSULTANT:



Shweta Technophile Consultants Pvt. Ltd.
(222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)

DRAWN BY	ASHISH RAWAT
DESIGN BY	RAM SONKAR
CHECKED BY	GEETA JINDAL
HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200

TITLE:

PLAN AND PROFILE
FROM CH:9+000 TO CH:10+000

DRAWING NO.
NHIDCL/PANGO-JORGING/STC/PP- 18

A3

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

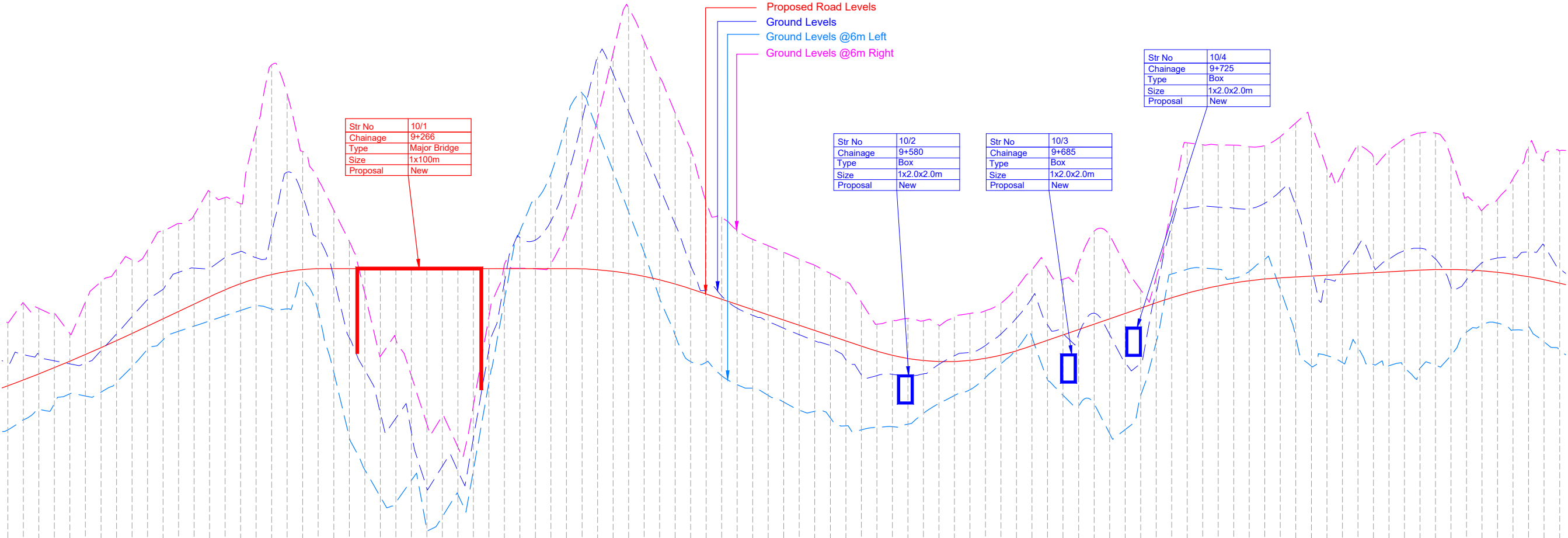
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



DATUM = 720									
Proposed Road Levels	736.274	737.715	738.280	738.652	741.248	734.761	738.264	737.042	737.860
Ground Levels	740.347	733.431	737.715	738.280	741.248	734.761	738.264	737.042	737.860
Ground Levels @6m Left	740.347	733.431	737.715	738.280	741.248	734.761	738.264	737.042	737.860
Ground Levels @6m Right	740.347	733.431	737.715	738.280	741.248	734.761	738.264	737.042	737.860
Vertical Alignment	R=8090.058 L=80.000 G=4.702% L=54.077 R=1488.617 L=70.000 G=0.000% L=157.266 R=2390.196 L=80.000 G=-3.347% L=114.346 R=1472.252 L=100.000 G=3.445% L=84.783 R=2764.143 L=80.000 G=0.551% L=89.300 R=3075.014 L=100.000								
Horizontal Alignment	000	893	L=155.358		R: 30.000 L: 36.201	L=112.626		R: 30.000 L: 51.671	L=52.414
Chainage	9000.000	9010.000	9020.000	9030.000	9040.000	9050.000	9060.000	9070.000	9080.000

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

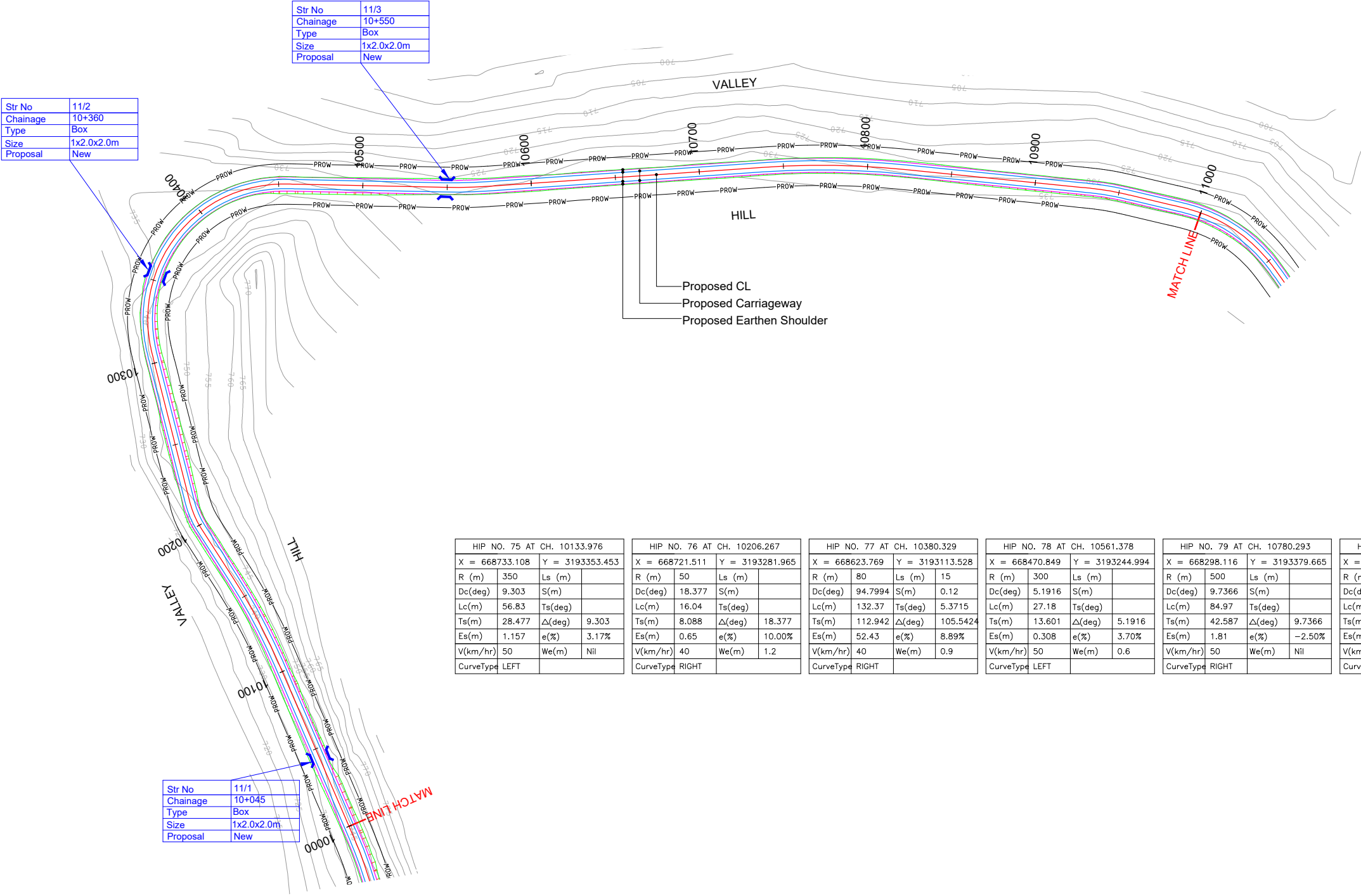
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 75 AT CH. 10133.976				HIP NO. 76 AT CH. 10206.267				HIP NO. 77 AT CH. 10380.329				HIP NO. 78 AT CH. 10561.378				HIP NO. 79 AT CH. 10780.293				HIP NO. 80 AT CH. 10943.276			
X = 668733.108	Y = 3193353.453			X = 668721.511	Y = 3193281.965			X = 668623.769	Y = 3193113.528			X = 668470.849	Y = 3193244.994			X = 668298.116	Y = 3193379.665			X = 668188.566	Y = 3193500.468		
R (m)	350	Ls (m)		R (m)	50	Ls (m)		R (m)	80	Ls (m)	15	R (m)	300	Ls (m)		R (m)	500	Ls (m)		R (m)	125	Ls (m)	15
Dc(deg)	9.303	S(m)		Dc(deg)	18.377	S(m)		Dc(deg)	94.7994	S(m)	0.12	Dc(deg)	5.1916	S(m)		Dc(deg)	9.7366	S(m)		Dc(deg)	0.5587	S(m)	0.08
Lc(m)	56.83	Ts(deg)		Lc(m)	16.04	Ts(deg)		Lc(m)	132.37	Ts(deg)	5.3715	Lc(m)	27.18	Ts(deg)		Lc(m)	84.97	Ts(deg)		Lc(m)	1.22	Ts(deg)	3.4377
Ts(m)	28.477	Δ(deg)	9.303	Ts(m)	8.088	Δ(deg)	18.377	Ts(m)	112.942	Δ(deg)	105.5424	Ts(m)	13.601	Δ(deg)	5.1916	Ts(m)	42.587	Δ(deg)	9.7366	Ts(m)	15.625	Δ(deg)	7.4342
Es(m)	1.157	e(%)	3.17%	Es(m)	0.65	e(%)	10.00%	Es(m)	52.43	e(%)	8.89%	Es(m)	0.308	e(%)	3.70%	Es(m)	1.81	e(%)	-2.50%	Es(m)	0.344	e(%)	8.89%
V(km/hr)	50	We(m)	Nil	V(km/hr)	40	We(m)	1.2	V(km/hr)	40	We(m)	0.9	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	Nil	V(km/hr)	50	We(m)	0.6
CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT		

R7	AUG 2023	FINAL DPR
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT
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REV.	DATE	DESCRIPTION OF REVISIONS

CLIENT:



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3rd Floor, PTI building, 4-Parliament Street, New Delhi-110001

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Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'

DPR CONSULTANT:



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DRAWN BY	ASHISH RAWAT
DESIGN BY	RAM SONKAR
CHECKED BY	GEETA JINDAL
HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200

TITLE:

PLAN AND PROFILE
FROM CH:10+000 TO CH:11+000

DRAWING NO.
NHIDCL/PANGO-JORGING/STC/PP- 20

A3

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

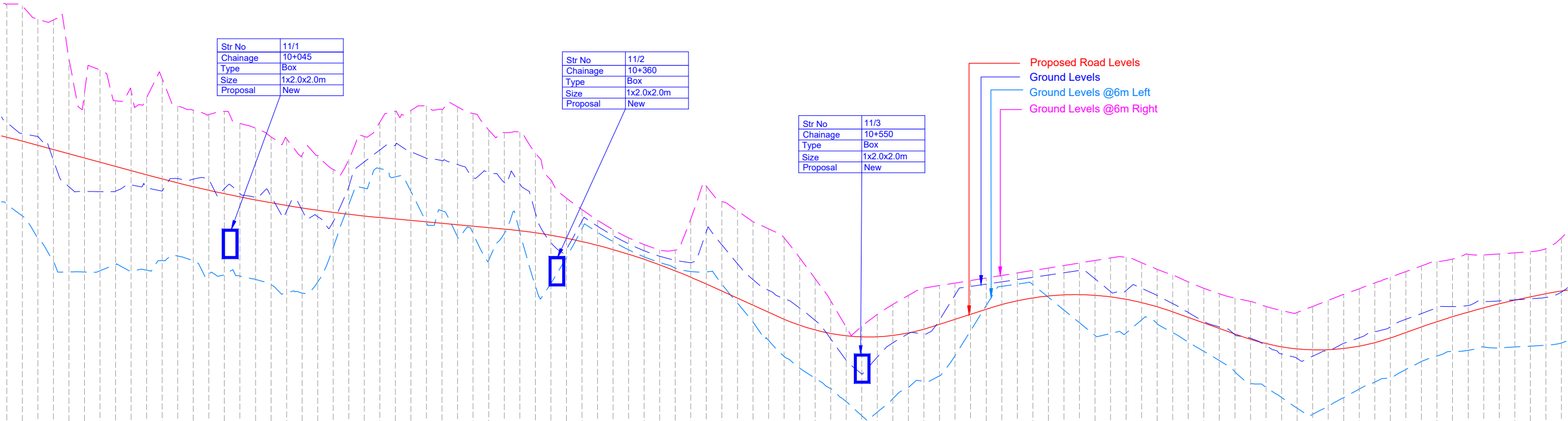
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT

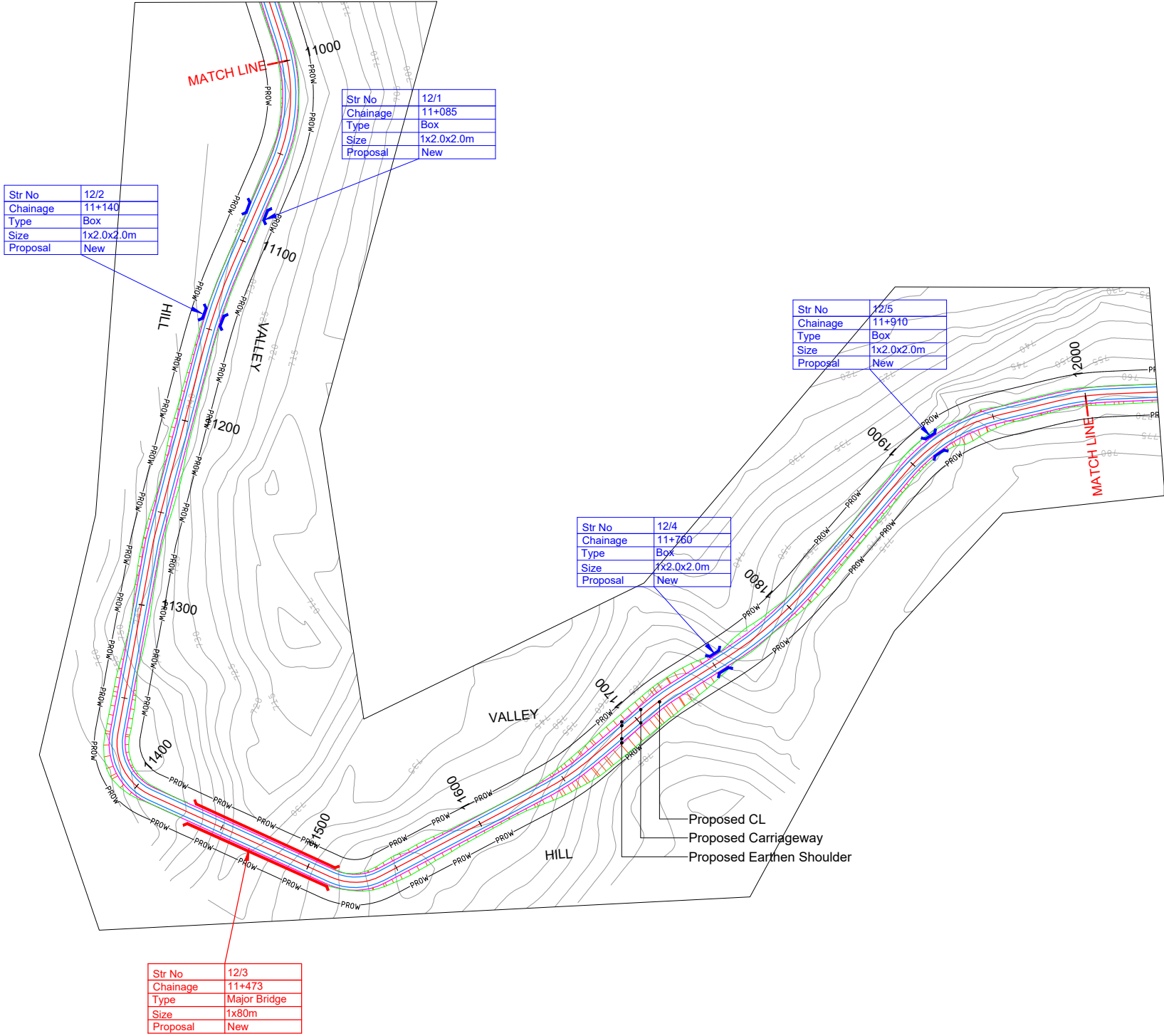


DATUM = 700	
Proposed Road Levels	742.879 742.624 742.353 742.083 741.813 741.543 741.273 741.003 740.733 740.463 740.197 739.943 739.700 739.470 739.251 739.044 738.849 738.666 738.495 738.335 738.186 738.052 737.928 737.816 737.716 737.624 737.531 737.439 737.347 737.255 737.162 737.070 736.978 736.873 736.740 736.580 736.391 736.175 735.931 735.660 735.360 735.033 734.678 734.295 733.885 733.446 732.993 732.540 732.086 731.633 731.186 730.804 730.500 730.274 730.125 730.054 730.061 730.146 730.308 730.548 730.859 731.183 731.507 731.831 732.128 732.368 732.552 732.679 732.750 732.764 732.721 732.623 732.467 732.255 731.987 731.662 731.308 730.953 730.599 730.245 729.902 729.623 729.417 729.282 729.220 729.229 729.310 729.462 729.687 729.983 730.340 730.695 731.031 731.347 731.642 731.918 732.174 732.410 732.626 732.823 732.999
Ground Levels	743.815 743.111 742.624 742.353 742.083 741.813 741.543 741.273 741.003 739.818 739.429 739.043 738.666 738.288 737.916 737.544 737.172 736.800 736.428 736.056 735.684 735.312 734.940 734.568 734.196 733.824 733.452 733.080 728.708 728.336 727.964 727.592 727.220 726.848 726.476 726.104 725.732 725.360 724.988 724.616 724.244 723.872 723.500 723.128 722.756 722.384 722.012 721.640 721.268 720.896 720.524 720.152 719.780 719.408 719.036 718.664 718.292 717.920 717.548 717.176 716.804 716.432 716.060 715.688 715.316 714.944 714.572 714.200 713.828 713.456 713.084 712.712 712.340 711.968 711.596 711.224 710.852 710.480 710.108 709.736 709.364 708.992 708.620 708.248 707.876 707.504 707.132 706.760 706.388 706.016 705.644 705.272 704.900 704.528 704.156 703.784 703.412 703.040 702.668 702.296 701.924 701.552 701.180 700.808 700.436 700.064 699.692 699.320 698.948 698.576 698.204 697.832 697.460 697.088 696.716 696.344 695.972 695.600 695.228 694.856 694.484 694.112 693.740 693.368 692.996 692.624 692.252 691.880 691.508 691.136 690.764 690.392 689.960 689.528 689.096 688.664 688.232 687.800 687.368 686.936 686.504 686.072 685.640 685.208 684.776 684.344 683.912 683.480 683.048 682.616 682.184 681.752 681.320 680.888 680.456 679.960 679.528 679.096 678.664 678.232 677.800 677.368 676.936 676.504 676.072 675.640 675.208 674.776 674.344 673.912 673.480 673.048 672.616 672.184 671.752 671.320 670.888 670.456 669.960 669.528 669.096 668.664 668.232 667.800 667.368 666.936 666.504 666.072 665.640 665.208 664.776 664.344 663.912 663.480 663.048 662.616 662.184 661.752 661.320 660.888 660.456 659.960 659.528 659.096 658.664 658.232 657.800 657.368 656.936 656.504 656.072 655.640 655.208 654.776 654.344 653.912 653.480 653.048 652.616 652.184 651.752 651.320 650.888 650.456 649.960 649.528 649.096 648.664 648.232 647.800 647.368 646.936 646.504 646.072 645.640 645.208 644.776 644.344 643.912 643.480 643.048 642.616 642.184 641.752 641.320 640.888 640.456 639.960 639.528 639.096 638.664 638.232 637.800 637.368 636.936 636.504 636.072 635.640 635.208 634.776 634.344 633.912 633.480 633.048 632.616 632.184 631.752 631.320 630.888 630.456 629.960 629.528 629.096 628.664 628.232 627.800 627.368 626.936 626.504 626.072 625.640 625.208 624.776 624.344 623.912 623.480 623.048 622.616 622.184 621.752 621.320 620.888 620.456 619.960 619.528 619.096 618.664 618.232 617.800 617.368 616.936 616.504 616.072 615.640 615.208 614.776 614.344 613.912 613.480 613.048 612.616 612.184 611.752 611.320 610.888 610.456 609.960 609.528 609.096 608.664 608.232 607.800 607.368 606.936 606.504 606.072 605.640 605.208 604.776 604.344 603.912 603.480 603.048 602.616 602.184 601.752 601.320 600.888 600.456 599.960 599.528 599.096 598.664 598.232 597.800 597.368 596.936 596.504 596.072 595.640 595.208 594.776 594.344 593.912 593.480 593.048 592.616 592.184 591.752 591.320 590.888 590.456 589.960 589.528 589.096 588.664 588.232 587.800 587.368 586.936 586.504 586.072 585.640 585.208 584.776 584.344 583.912 583.480 583.048 582.616 582.184 581.752 581.320 580.888 580.456 579.960 579.528 579.096 578.664 578.232 577.800 577.368 576.936 576.504 576.072 575.640 575.208 574.776 574.344 573.912 573.480 573.048 572.616 572.184 571.752 571.320 570.888 570.456 569.960 569.528 569.096 568.664 568.232 567.800 567.368 566.936 566.504 566.072 565.640 565.208 564.776 564.344 563.912 563.480 563.048 562.616 562.184 561.752 561.320 560.888 560.456 559.960 559.528 559.096 558.664 558.232 557.800 557.368 556.936 556.504 556.072 555.640 555.208 554.776 554.344 553.912 553.480 553.048 552.616 552.184 551.752 551.320 550.888 550.456 549.960 549.528 549.096 548.664 548.232 547.800 547.368 546.936 546.504 546.072 545.640 545.208 544.776 544.344 543.912 543.480 543.048 542.616 542.184 541.752 541.320 540.888 540.456 539.960 539.528 539.096 538.664 538.232 537.800 537.368 536.936 536.504 536.072 535.640 535.208 534.776 534.344 533.912 533.480 533.048 532.616 532.184 531.752 531.320 530.888 530.456 529.960 529.528 529.096 528.664 528.232 527.800 527.368 526.936 526.504 526.072 525.640 525.208 524.776 524.344 523.912 523.480 523.048 522.616 522.184 521.752 521.320 520.888 520.456 519.960 519.528 519.096 518.664 518.232 517.800 517.368 516.936 516.504 516.072 515.640 515.208 514.776 514.344 513.912 513.480 513.048 512.616 512.184 511.752 511.320 510.888 510.456 509.960 509.528 509.096 508.664 508.232 507.800 507.368 506.936 506.504 506.072 505.640 505.208 504.776 504.344 503.912 503.480 503.048 502.616 502.184 501.752 501.320 500.888 500.456 499.960 499.528 499.096 498.664 498.232 497.800 497.368 496.936 496.504 496.072 495.640 495.208 494.776 494.344 493.912 493.480 493.048 492.616 492.184 491.752 491.320 490.888 490.456 489.960 489.528 489.096 488.664 488.232 487.800 487.368 486.936 486.504 486.072 485.640 485.208 484.776 484.344 483.912 483.480 483.048 482.616 482.184 481.752 481.320 480.888 480.456 479.960 479.528 479.096 478.664 478.232 477.800 477.368 476.936 476.504 476.072 475.640 475.208 474.776 474.344 473.912 473.480 473.048 472.616 472.184 471.752 471.320 470.888 470.456 469.960 469.528 469.096 468.664 468.232 467.800 467.368 466.936 466.504 466.072 465.640 465.208 464.776 464.344 463.912 463.480 463.048 462.616 462.184 461.752 461.320 460.888 460.456 459.960 459.528 459.096 458.664 458.232 457.800 457.368 456.936 456.504 456.072 455.640 455.208 454.776 454.344 453.912 453.480 453.048 452.616 452.184 451.752 451.320 450.888 450.456 449.960 449.528 449.096 448.664 448.232 447.800 447.368 446.936 446.504 446.072 445.640 445.208 444.776 444.344 443.912 443.480 443.048 442.616 442.184 441.752 441.320 440.888 440.456 439.960 439.528 439.096 438.664 438.232 437.800 437.368 436.936 436.504 436.072 435.640 435.208 434.776 434.344 433.912 433.480 433.048 432.616 432.184 431.752 431.320 430.888 430.456 429.960 429.528 429.096 428.664 428.232 427.800 427.368 426.936 426.504 426.072 425.640 425.208 424.776 424.344 423.912 423.480 423.048 422.616 422.184 421.752 421.320 420.888 420.456 419.960 419.528 419.096 418.664 418.232 417.800 417.368 416.936 416.504 416.072 415.640 415.208 414.776 414.344 413.912 413.480 413.048 412.616 412.184 411.752 411.320 410.888 410.456 409.960 409.528 409.096 408.664 408.232 407.800 407.368 406.936 406.504 406.072 405.640 405.208 404.776 404.344 403.912 403.480 403.048 402.616 402.184 401.752 401.320 400.888 400.456 399.960 399.528 399.096 398.664 398.232 397.800 397.368 396.936 396.504 396.072 395.640 395.208 394.776 394.344 393.912 393.480 393.048 392.616 392.184 391.752 391.320 390.888 390.456 389.960 389.528 389.096 388.664 388.232 387.800 387.368 386.936 386.504 386.072 385.640 385.208 384.776 384.344 383.912 383.480 383.048 382.616 382.184 381.752 381.320 380.888 380.456 379.960 379.528 379.096 378.664 378.232 377.800 377.368 376.936 376.504 376.072 375.640 375.208 374.776 374.344 373.912 373.480 373.048 372.616 372.184 371.752 371.320 370.888 370.456 369.960 369.528 369.096 368.664 368.232 367.800 367.368 366.936 366.504 366.072 365.640 365.208 364.776 364.344 363.912 363.480 363.048 362.616 362.184 361.752 361.320 360.888 360.456 359.960 359.528 359.096 358.664 358.232 357.800 357.368 356.936 356.504 356.072 355.640 355.208 354.776 354.344 353.912 353.480 353.048 352.616 352.184 351.752 351.320 350.888 350.456 349.960 349.528 349.096 348.664 348.232 347.800 347.368 346.936 346.504 346.072 345.640 345.208 344.776 344.344 343.912 343.480 343.048 342.616 342.184 341.752 341.320 340.888 340.456 339.960 339.528 339.096 338.664 338.232 337.800 337.368 336.936 336.504 336.072 335.640 335.208 334.776 334.344 333.912 333.480 333.048 332.616 332.184 331.752 331.320 330.888 330.456 329.960 329.528 329.096 328.664 328.232 327.800 327.368 326.936 326.504 326.072 325.640 325.208 324.776 324.344 323.912 323.480 323.048 322.616 322.184 321.752 321.320 320.888 320.456 319.960 319.528 319.096 318.664 318.232 317.800 317.368 316.936 316.504 316.072 315.640 315.208 314.776 314.344 313.912 313.480 313.048 312.616 312.184 311.752 311.320 310.888 310.456 309.960 309.528 309.096 308.664 308.232 307.800 307.368 306.936 306.504 306.072 305.640 305.208 304.776 304.344 303.912 303.480 303.048 302.616 302.184 301.752 301.320 300.888 300.456 299.960 299.528 299.096 298.664 298.232 297.800 297.368 296.936 296.504 296.072 295.640 295.208 294.776 294.344 293.912 293.480 293.048 292.616 292.184 291.752 291.320 290.888 290.456 289.960 289.528 289.096 288.664 288.232 287.800 287.368 286.936 286.504 286.072 285.640 285.208 284.776 284.344 283.912 283.480 283.048 282.616 282.184 281.752 281.320 280.888 280.456 279.960 279.528 279.096 278.664 278.232 277.800 277.368 276.936 276.504 276.072 275.640 275.208 274.776 274.344 273.912 273.480 273.048 272.616 272.184 271.752 271.320 270.888 270.456 269.960 269.528 269.096 268.664 268.232 267.800 267.368 266.936 266.504 266.072 265.640 265.208 264.776 264.344 263.912 263.480 263.048 262.616 262.184 261.752 261.320 260.888 260.456 259.960 259.528 259.096 258.664 258.232 257.800 257.368 256.936 256.504 256.072 255.640 255.208 254.776 254.344 253.912 253.480 253.048 252.616 252.184 251.752 251.320 250.888 250.456 249.960 249.528 249.096 248.664 248.232 247.800 247.368 246.936 246.504 246.072 245.640 245.208 244.776 244.344 243.912 243.480 243.048 242.616 242.184 241.752 241.320 240.888 240.456 239.960 239.528 239.096 238.664 238.232 237.800 237.368 236.936 236.504 236.072 235.640 235.208 234.776 234.344 233.912 233.480 233.048 232.616 232.184 231.752 231.320 230.888 230.456 229.960 229.528 229.096 228.664 228.232 227.800 227.368 226.936 226.504 226.072 225.640 225.208 224.776 224.344 223.912 223.480 223.048 222.616 222.184 221.752 221.320 220.888 220.456 219.960 219.528 219.096 218.664 218.232 217.

LEGEND

PLAN:-
PROP.CENTER LINE
PROP.CARRIAGEWAY EDGE
PROP.EARTHEN SHOULDER
TOE LINE
PROP.RIGHT OF WAY
CULVERT
MAJOR/MINOR BRIDGE

PROFILE:-
PROP.ROAD LEVEL
EXISTING GROUND LEVEL
GROUND LEVEL @6M LEFT
GROUND LEVEL @6M RIGHT



HIP NO. 81 AT CH. 11022.808				HIP NO. 82 AT CH. 11136.316				HIP NO. 83 AT CH. 11388.677				HIP NO. 84 AT CH. 11527.354				HIP NO. 85 AT CH. 11652.647				HIP NO. 86 AT CH. 11716.853				HIP NO. 87 AT CH. 11786.956				HIP NO. 88 AT CH. 11923.656				HIP NO. 89 AT CH. 11997.964			
X	= 668144.575	Y	= 3193567.432	X	= 668154.963	Y	= 3193681.106	X	= 668135.26	Y	= 3193936.129	X	= 667993.193	Y	= 3193954.555	X	= 667904.006	Y	= 3193865.111	X	= 667868.66	Y	= 3193811.503	X	= 667823.666	Y	= 3193757.609	X	= 667766.516	Y	= 3193632.959	X	= 667703.027	Y	= 3193593.754
R (m)	90	Ls (m)	15	R (m)	300	Ls (m)		R (m)	30	Ls (m)		R (m)	30	Ls (m)		R (m)	125	Ls (m)	15	R (m)	125	Ls (m)		R (m)	200	Ls (m)	15	R (m)	90	Ls (m)	15	R (m)	125	Ls (m)	15
Dc(deg)	31.8405	S(m)	0.1	Dc(deg)	8.8251	S(m)		Dc(deg)	76.0544	S(m)		Dc(deg)	52.1735	S(m)		Dc(deg)	5.5348	S(m)	0.08	Dc(deg)	7.9082	S(m)		Dc(deg)	13.1451	S(m)	0.05	Dc(deg)	26.7291	S(m)	0.1	Dc(deg)	4.1514	S(m)	0.08
Lc(m)	50.02	Ts(deg)	4.7746	Lc(m)	46.21	Ts(deg)		Lc(m)	39.82	Ts(deg)		Lc(m)	27.32	Ts(deg)		Lc(m)	12.07	Ts(deg)	3.4377	Lc(m)	17.25	Ts(deg)		Lc(m)	45.88	Ts(deg)	2.1486	Lc(m)	41.99	Ts(deg)	4.7746	Lc(m)	9.06	Ts(deg)	3.4377
Ts(m)	41.535	Δ(deg)	41.3898	Ts(m)	23.15	Δ(deg)	8.8251	Ts(m)	23.462	Δ(deg)	76.0544	Ts(m)	14.688	Δ(deg)	52.1735	Ts(m)	21.098	Δ(deg)	12.4103	Ts(m)	8.64	Δ(deg)	7.9082	Ts(m)	38.187	Δ(deg)	17.4423	Ts(m)	37.016	Δ(deg)	36.2784	Ts(m)	19.573	Δ(deg)	11.0269
Es(m)	6.315	e(%)	7.90%	Es(m)	0.892	e(%)	3.70%	Es(m)	8.085	e(%)	10.00%	Es(m)	3.403	e(%)	10.00%	Es(m)	0.817	e(%)	8.89%	Es(m)	0.298	e(%)	8.89%	Es(m)	2.39	e(%)	5.56%	Es(m)	4.812	e(%)	7.90%	Es(m)	0.661	e(%)	8.89%
V(km/hr)	40	We(m)	0.9	V(km/hr)	50	We(m)	0.6	V(km/hr)	30	We(m)	1.5	V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	40	We(m)	0.9	V(km/hr)	50	We(m)	0.6
CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT			CurveType	LEFT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT		

PLAN:-

PROFILE:-

PROP. ROAD LEVEL ————

EXISTING GROUND LEVEL - - - -

GROUND LEVEL @6M LEFT - - - -

GROUND LEVEL @6M RIGHT - - - -

Str No	12/1
Chainage	11+085
Type	Box
Size	1x2.0x2.0m
Proposal	New

DATUM = 725

R7	AUG 2023	FINAL DPR	 CLIENT: National Highways & Infrastructure Development Corporation Limited. 3rd Floor, PTI building, 4-Parliament Street, New Delhi-110001	PROJECT: Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'	DPR CONSULTANT:  Shweta Technophile Consultants Pvt. Ltd. (222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)	DRAWN BY	ASHISH RAWAT	TITLE: PLAN AND PROFILE FROM CH:11+000 TO CH:12+000			
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT				DESIGN BY	RAM SONKAR				
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT				CHECKED BY	GEETA JINDAL				
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT				HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200				
R3	JULY 2018	DETAILED PROJECT REPORT						DRAWING NO.		NHIDCL/PANGO-JORGING/STC/PP- 23	A3
REV.	DATE	DESCRIPTION OF REVISIONS									

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

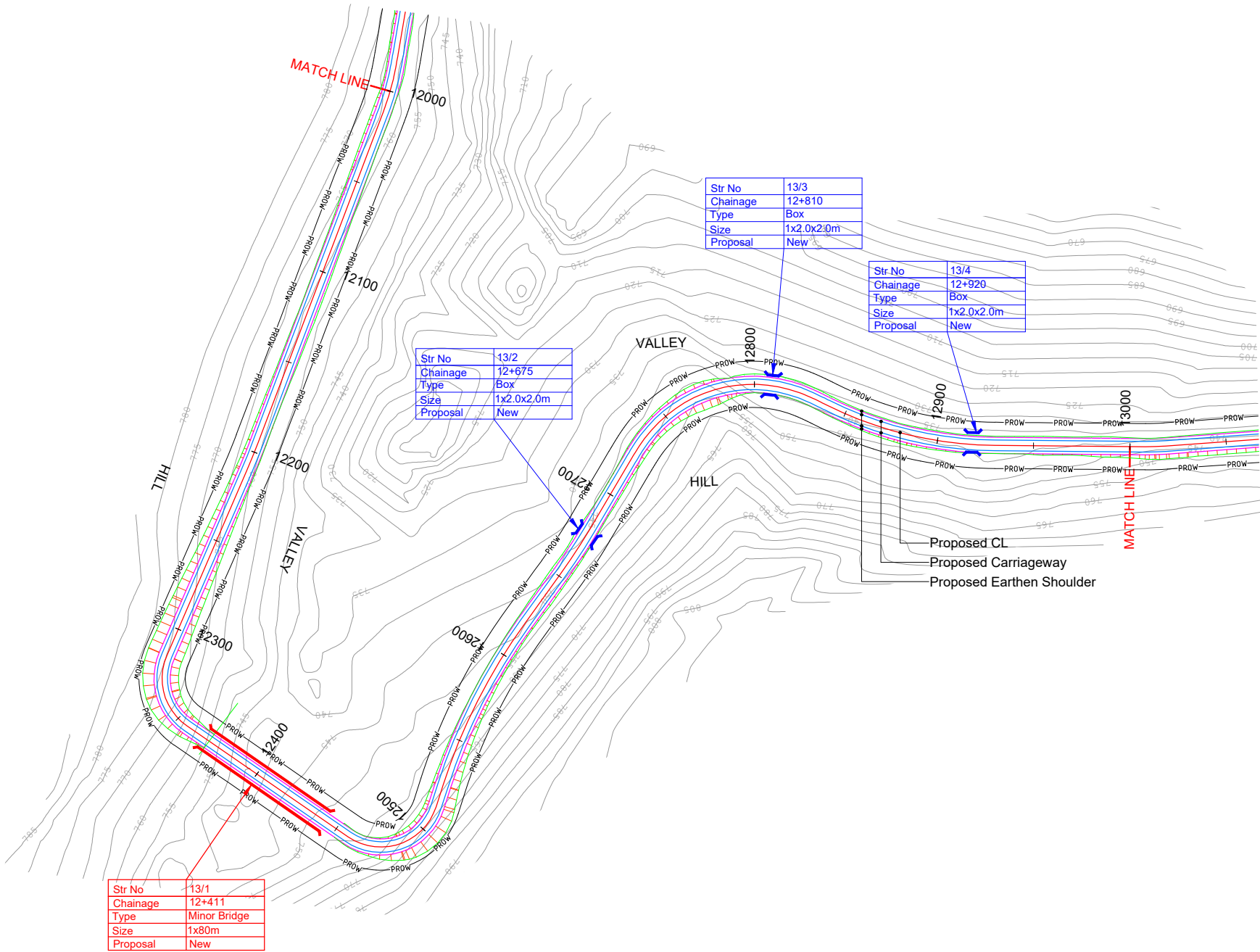
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 90 AT CH. 12202.853				HIP NO. 91 AT CH. 12335.449				HIP NO. 92 AT CH. 12485.468				HIP NO. 93 AT CH. 12572.509				HIP NO. 94 AT CH. 12665.166				HIP NO. 95 AT CH. 12778.908				HIP NO. 96 AT CH. 12884.777			
X = 667509.995		Y = 3193525.092		X = 667379.175		Y = 3193485.691		X = 667395.549		Y = 3193320.072		X = 667487.879		Y = 3193358.001		X = 667580.678		Y = 3193364.971		X = 667700.835		Y = 3193379.063		X = 667733.846		Y = 3193270.056	
R (m)	350	Ls (m)		R (m)	30	Ls (m)		R (m)	30	Ls (m)		R (m)	300	Ls (m)		R (m)	300	Ls (m)		R (m)	70	Ls (m)	15	R (m)	200	Ls (m)	
Dc(deg)	2.6592	S(m)		Dc(deg)	78.8848	S(m)		Dc(deg)	106.6867	S(m)		Dc(deg)	18.0371	S(m)		Dc(deg)	5.2978	S(m)		Dc(deg)	73.5539	S(m)	0.13	Dc(deg)	25.9063	S(m)	
Lc(m)	16.24	Ts(deg)		Lc(m)	41.3	Ts(deg)		Lc(m)	55.86	Ts(deg)		Lc(m)	94.44	Ts(deg)		Lc(m)	27.74	Ts(deg)		Lc(m)	89.86	Ts(deg)	6.1388	Lc(m)	90.43	Ts(deg)	
Ts(m)	8.123	Δ(deg)	2.6592	Ts(m)	24.679	Δ(deg)	78.8848	Ts(m)	40.312	Δ(deg)	106.6867	Ts(m)	47.615	Δ(deg)	18.0371	Ts(m)	13.879	Δ(deg)	5.2978	Ts(m)	72.702	Δ(deg)	85.8315	Ts(m)	46.001	Δ(deg)	25.9063
Es(m)	0.094	e(%)	3.17%	Es(m)	8.847	e(%)	10.00%	Es(m)	20.25	e(%)	10.00%	Es(m)	3.755	e(%)	3.70%	Es(m)	0.321	e(%)	3.70%	Es(m)	25.759	e(%)	10.00%	Es(m)	5.222	e(%)	5.56%
V(km/hr)	50	We(m)	Nil	V(km/hr)	30	We(m)	1.5	V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	40	We(m)	0.9	V(km/hr)	50	We(m)	0.6
CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT		

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

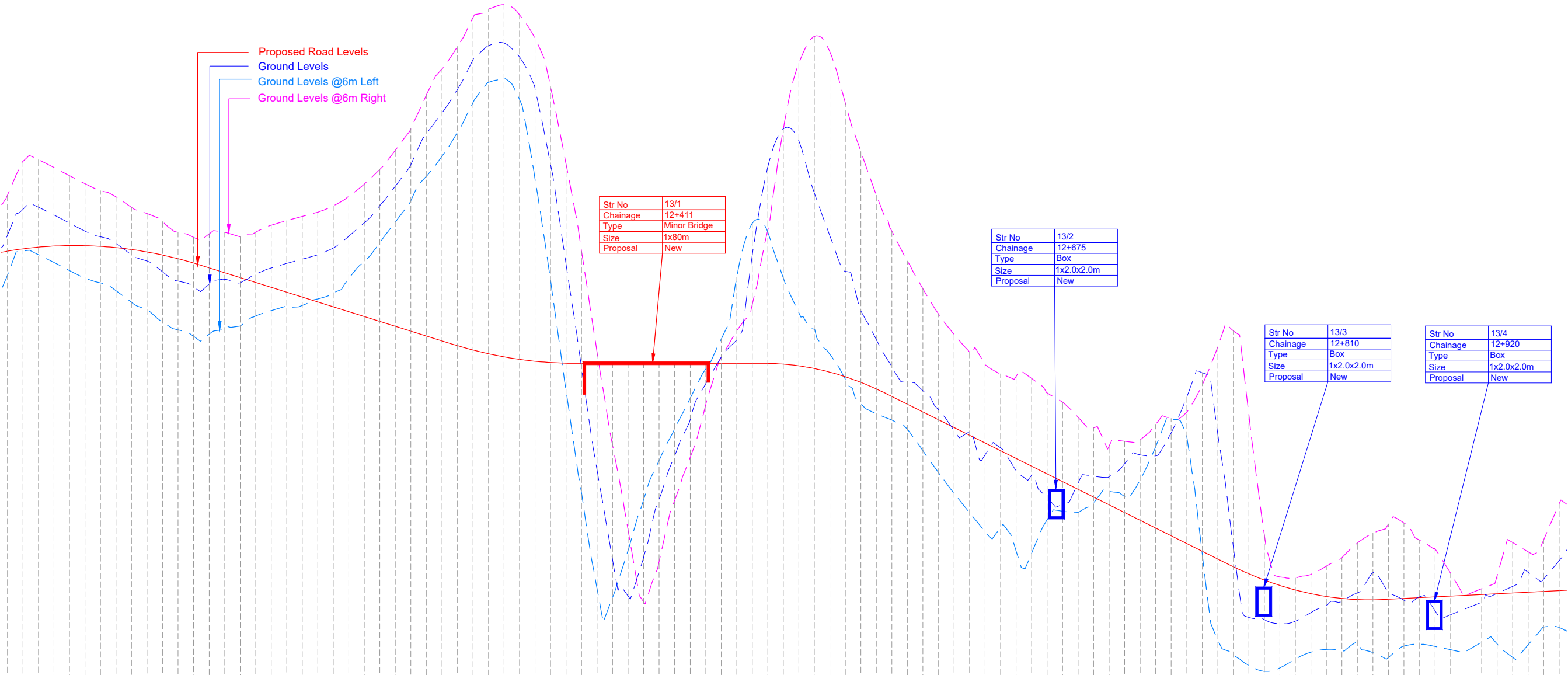
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



DATUM = 730	
Proposed Road Levels	759.985-762.647-761.533 761.541-764.234-761.681 761.306-764.365-761.791 760.810-763.865-761.863 760.287-763.343-761.896 759.788-762.826-761.890 759.490-762.460-761.846 758.980-762.020-761.763 758.236-761.301-761.641 757.770-760.895-761.482 756.943-760.197-761.283 756.460-759.601-761.046 756.052-759.227-760.770 756.186-759.402-760.461 756.612-759.723-760.148 756.716-759.498-759.834 757.362-760.064-759.521 757.703-760.452-759.207 757.988-760.747-758.893 758.033-761.020-758.580 758.455-761.306-758.266 758.858-761.740-757.953 759.761-762.494-757.639 760.886-763.362-757.325 763.416-765.729-756.698 764.792-767.111-756.385 766.357-769.095-756.071 767.635-770.440-755.758 769.174-771.957-755.447 771.095-773.848-755.168 772.403-774.768-754.928 772.671-774.932-754.729 771.306-774.044-754.568 766.201-772.009-754.446 759.652-767.139-754.363 752.556-760.687-754.320 745.927-753.987-754.312 739.790-747.427-754.312 739.238-741.643-754.312 742.257-739.321-754.312 745.538-741.813-754.312 748.086-745.567-754.312 750.095-748.354-754.312 752.058-750.691-754.312 763.941-753.000-754.312 755.878-754.706-754.312 759.857-755.810-754.312 763.317-761.258-754.312 762.769-766.955-754.310 759.809-769.412-754.261 757.586-768.632-754.150 756.505-765.279-753.977 754.903-762.521-753.741 753.286-760.236-753.443 751.709-757.672-753.083 751.065-755.817-752.660 750.652-754.080-752.178 750.063-753.086-751.679 748.670-752.541-751.181 747.287-751.310-750.682 745.938-749.989-750.184 744.699-749.913-749.685 743.460-748.419-749.187 743.735-748.870-748.688 742.243-747.389-748.190 742.084-747.102-747.691 744.235-745.666-747.193 744.786-745.214-746.694 744.714-746.607-746.196 745.329-747.037-745.697 746.074-747.006-745.199 745.731-747.857-744.700 746.808-748.417-744.202 748.982-748.356-743.703 750.716-749.855-743.205 749.652-752.140-742.706 742.009-753.705-742.208 736.492-749.746-741.709 735.525-742.470-741.213 734.854-737.942-740.756 734.473-737.802-740.355 734.692-737.567-740.008 735.259-737.703-739.717 735.709-738.258-739.480 735.887-738.730-739.298 735.807-738.956-739.171 736.294-739.536-739.098 735.676-740.831-739.081 735.374-739.489-739.116 736.097-739.058-739.167 736.219-739.275-739.217 736.078-738.380-739.267 735.866-738.123-739.317 735.770-738.523-739.367 736.356-738.924-739.417 736.792-739.924-739.468 740.644-739.494-739.468 742.766-739.946-739.518 736.183-740.849-739.568 737.330-740.414-739.618 737.301-741.600-739.668
Ground Levels	765.136 767.315 767.422 766.397 766.880 765.429 765.028 764.353 763.961 763.437 762.739 762.428 762.648 762.744 762.464 762.760 763.200 763.498 763.774 764.048 764.448 765.072 765.856 766.805 768.043 769.422 771.607 773.263 774.714 776.566 777.133 777.418 776.765 775.235 772.135 767.155 761.521 755.016 749.026 743.563 738.952 741.555 745.504 748.261 751.629 754.689 756.401 758.087 762.884 769.388 773.638 775.361 774.373 771.070 767.950 765.135 762.807 760.898 759.112 757.498 756.184 755.048 754.247 753.632 753.472 753.340 752.408 751.808 750.843 750.162 748.991 749.288 749.394 750.386 750.762 751.166 752.936 755.388 756.408 750.991 743.273 740.351 740.485 740.720 741.255 741.785 742.742 743.366 743.970 744.031 742.931 742.357 740.786 739.378 739.792 740.644 742.766 742.174 742.939 745.267
Ground Levels @6m Left	759.985-762.647-761.533 761.541-764.234-761.681 761.306-764.365-761.791 760.810-763.865-761.863 760.287-763.343-761.896 759.788-762.826-761.890 759.490-762.460-761.846 758.980-762.020-761.763 758.236-761.301-761.641 757.770-760.895-761.482 756.943-760.197-761.283 756.460-759.601-761.046 756.052-759.227-760.770 756.186-759.402-760.461 756.612-759.723-760.148 756.716-759.498-759.834 757.362-760.064-759.521 757.703-760.452-759.207 757.988-760.747-758.893 758.033-761.020-758.580 758.455-761.306-758.266 758.858-761.740-757.953 759.761-762.494-757.639 760.886-763.362-757.325 763.416-765.729-756.698 764.792-767.111-756.385 766.357-769.095-756.071 767.635-770.440-755.758 769.174-771.957-755.447 771.095-773.848-755.168 772.403-774.768-754.928 772.671-774.932-754.729 771.306-774.044-754.568 766.201-772.009-754.446 759.652-767.139-754.363 752.556-760.687-754.320 745.927-753.987-754.312 739.790-747.427-754.312 739.238-741.643-754.312 742.257-739.321-754.312 745.538-741.813-754.312 748.086-745.567-754.312 750.095-748.354-754.312 752.058-750.691-754.312 763.941-753.000-754.312 755.878-754.706-754.312 759.857-755.810-754.312 763.317-761.258-754.312 762.769-766.955-754.310 759.809-769.412-754.261 757.586-768.632-754.150 756.505-765.279-753.977 754.903-762.521-753.741 753.286-760.236-753.443 751.709-757.672-753.083 751.065-755.817-752.660 750.652-754.080-752.178 750.063-753.086-751.679 748.670-752.541-751.181 747.287-751.310-750.682 745.938-749.989-750.184 744.699-749.913-749.685 743.460-748.419-749.187 743.735-748.870-748.688 742.243-747.389-748.190 742.084-747.102-747.691 744.235-745.666-747.193 744.786-745.214-746.694 744.714-746.607-746.196 745.329-747.037-745.697 746.074-747.006-745.199 745.731-747.857-744.700 746.808-748.417-744.202 748.982-748.356-743.703 750.716-749.855-743.205 749.652-752.140-742.706 742.009-753.705-742.208 736.492-749.746-741.709 735.525-742.470-741.213 734.854-737.942-740.756 734.473-737.802-740.355 734.692-737.567-740.008 735.259-737.703-739.717 735.709-738.258-739.480 735.887-738.730-739.298 735.807-738.956-739.171 736.294-739.536-739.098 735.676-740.831-739.081 735.374-739.489-739.116 736.097-739.058-739.167 736.219-739.275-739.217 736.078-738.380-739.267 735.866-738.123-739.317 735.770-738.523-739.367 736.356-738.924-739.417 736.792-739.924-739.468 740.644-739.494-739.468 742.766-739.946-739.518 736.183-740.849-739.568 737.330-740.414-739.618 737.301-741.600-739.668
Ground Levels @6m Right	765.136 767.315 767.422 766.397 766.880 765.429 765.028 764.353 763.961 763.437 762.739 762.428 762.648 762.744 762.464 762.760 763.200 763.498 763.774 764.048 764.448 765.072 765.856 766.805 768.043 769.422 771.607 773.263 774.714 776.566 777.133 777.418 776.765 775.235 772.135 767.155 761.521 755.016 749.026 743.563 738.952 741.555 745.504 748.261 751.629 754.689 756.401 758.087 762.884 769.388 773.638 775.361 774.373 771.070 767.950 765.135 762.807 760.898 759.112 757.498 756.184 755.048 754.247 753.632 753.472 753.340 752.408 751.808 750.843 750.162 748.991 749.288 749.394 750.386 750.762 751.166 752.936 755.388 756.408 750.991 743.273 740.351 740.485 740.720 741.255 741.785 742.742 743.366 743.970 744.031 742.931 742.357 740.786 739.378 739.792 740.644 742.766 742.174 742.939 745.267
Vertical Alignment	R =2592.901 L =150.000 G =-3.136% L =161.252 R =2551.201 L =80.000 G =0.000% L =121.092 R =1604.790 L =80.000 G =-4.985% L =220.129 R =1822.614 L =100.000 G =0.502% L =125.416
Horizontal Alignment	R: 500.000 L: 106.7 R: 350.000 L: 16.245 R: 30.000 L: 41.304 R: 30.000 L: 55.861 R: 300.000 L: 94.442 R: 300.000 L: 27.739 R: 70.000 L: 89.863 R: 200.000 L: 90.430
Chainage	-12000.000 -12010.000 -12020.000 -12030.000 -12040.000 -12050.000 -12060.000 -12070.000 -12080.000 -12090.000 -12100.000 -12110.000 -12120.000 -12130.000 -12140.000 -12150.000 -12160.000 -12170.000 -12180.000 -12190.000 -12200.000 -12210.000 -12220.000 -12230.000 -12240.000 -12250.000 -12260.000 -12270.000 -12280.000 -12290.000 -12300.000 -12310.000 -12320.000 -12330.000 -12340.000 -12350.000 -12360.000 -12370.000 -12380.000 -12390.000 -12400.000 -12410.000 -12420.000 -12430.000 -12440.000 -12450.000 -12460.000 -12470.000 -12480.000 -12490.000 -12500.000 -12510.000 -12520.000 -12530.000 -12540.000 -12550.000 -12560.000 -12570.000 -12580.000 -12590.000 -12600.000 -12610.000 -12620.000 -12630.000 -12640.000 -12650.000 -12660.000 -12670.000 -12680.000 -12690.000 -12700.000 -12710.000 -12720.000 -12730.000 -12740.000 -12750.000 -12760.000 -12770.000 -12780.000 -12790.000 -12800.000 -12810.000 -12820.000 -12830.000 -12840.000 -12850.000 -12860.000 -12870.000 -12880.000 -12890.000 -12900.000 -12910.000 -12920.000 -12930.000 -12940.000 -12950.000 -12960.000 -12970.000 -12980.000 -12990.000 -13000.000

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

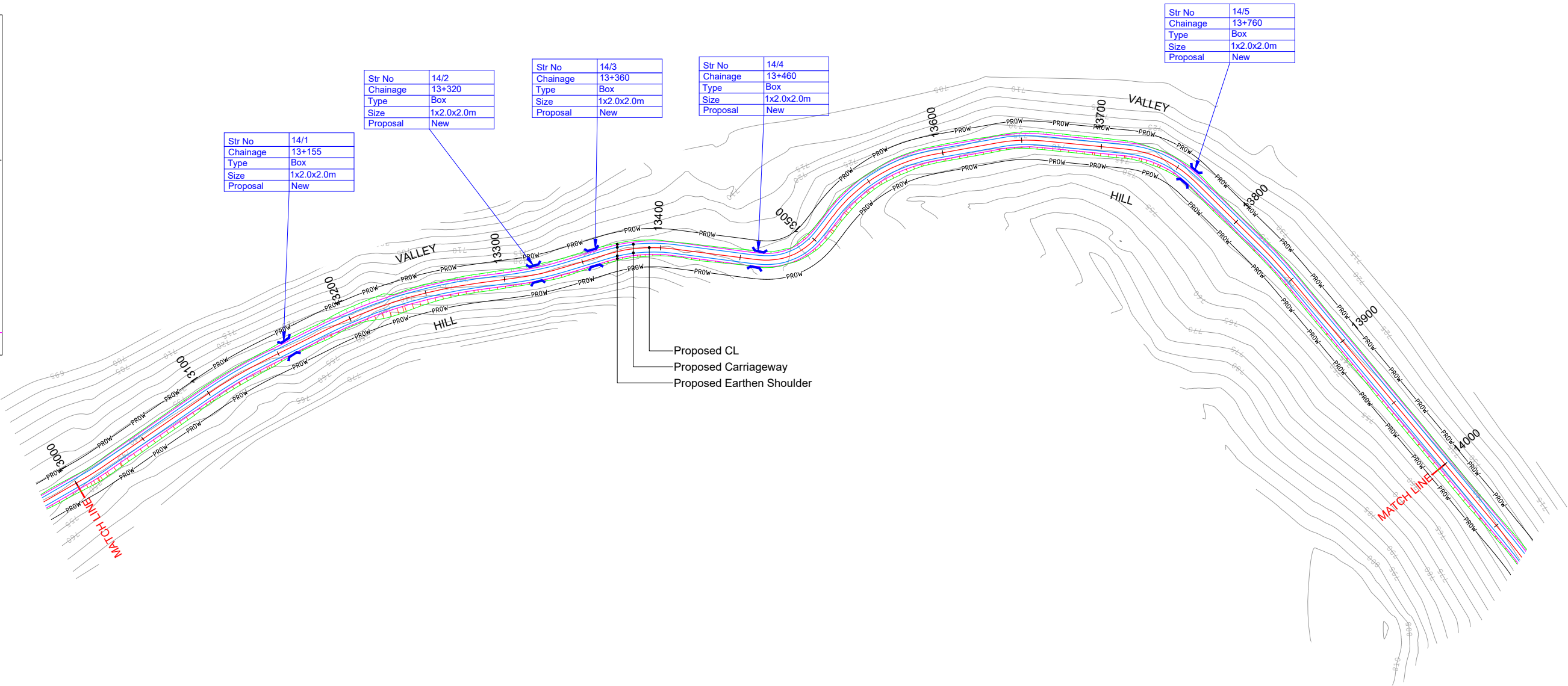
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 97 AT CH. 13013.305				HIP NO. 98 AT CH. 13119.565				HIP NO. 99 AT CH. 13233.51				HIP NO. 100 AT CH. 13322.767				HIP NO. 101 AT CH. 13386.742				HIP NO. 102 AT CH. 13482.924				HIP NO. 103 AT CH. 13556.363				HIP NO. 104 AT CH. 13649.499				HIP NO. 105 AT CH. 13739.639				HIP NO. 106 AT CH. 13835.691			
X = 667816.395	Y = 3193170.515			X = 667890.716	Y = 3193094.514			X = 667958.134	Y = 3193002.057			X = 667984.868	Y = 3192916.395			X = 668013.726	Y = 3192858.89			X = 668021.05	Y = 3192762.346			X = 668084.304	Y = 3192722.491			X = 668118.761	Y = 3192634.946			X = 668124.997	Y = 3192543.977			X = 668069.467	Y = 3192464.423		
R (m)	130	Ls (m)		R (m)	300	Ls (m)		R (m)	300	Ls (m)		R (m)	200	Ls (m)		R (m)	100	Ls (m)		R (m)	40	Ls (m)	15	R (m)	100	Ls (m)	15	R (m)	100	Ls (m)		R (m)	70	Ls (m)		R (m)	300	Ls (m)	
Dc(deg)	4.6912	S(m)		Dc(deg)	8.2607	S(m)		Dc(deg)	18.767	S(m)		Dc(deg)	9.3177	S(m)		Dc(deg)	24.4218	S(m)		Dc(deg)	38.8594	S(m)	0.23	Dc(deg)	34.1236	S(m)	0.09	Dc(deg)	15.9334	S(m)		Dc(deg)	38.8375	S(m)		Dc(deg)	5.6742	S(m)	
Lc(m)	10.64	Ts(deg)		Lc(m)	43.25	Ts(deg)		Lc(m)	98.26	Ts(deg)		Lc(m)	32.52	Ts(deg)		Lc(m)	42.62	Ts(deg)		Lc(m)	27.13	Ts(deg)	10.743	Lc(m)	59.56	Ts(deg)	4.2972	Lc(m)	27.81	Ts(deg)		Lc(m)	47.45	Ts(deg)		Lc(m)	29.71	Ts(deg)	
Ts(m)	5.325	Δ(deg)	4.6912	Ts(m)	21.664	Δ(deg)	8.2607	Ts(m)	49.576	Δ(deg)	18.767	Ts(m)	16.298	Δ(deg)	9.3177	Ts(m)	21.641	Δ(deg)	24.4218	Ts(m)	30.88	Δ(deg)	60.3453	Ts(m)	46.641	Δ(deg)	42.718	Ts(m)	13.995	Δ(deg)	15.9334	Ts(m)	24.677	Δ(deg)	38.8375	Ts(m)	14.867	Δ(deg)	5.6742
Es(m)	0.109	e(%)	8.55%	Es(m)	0.781	e(%)	3.70%	Es(m)	4.069	e(%)	3.70%	Es(m)	0.663	e(%)	5.56%	Es(m)	2.315	e(%)	10.00%	Es(m)	6.535	e(%)	10.00%	Es(m)	7.472	e(%)	10.00%	Es(m)	0.975	e(%)	10.00%	Es(m)	4.222	e(%)	10.00%	Es(m)	0.368	e(%)	3.70%
V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.9	V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.9	V(km/hr)	50	We(m)	0.9	V(km/hr)	40	We(m)	0.9	V(km/hr)	50	We(m)	0.6
CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	RIGHT			CurveType	RIGHT		

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT

Str No	14/1
Chainage	13+155
Type	Box
Size	1x2.0x2.0m
Proposal	New

Str No	14/2
Chainage	13+320
Type	Box
Size	1x2.0x2.0m
Proposal	New

Str No	14/3
Chainage	13+360
Type	Box
Size	1x2.0x2.0m
Proposal	New

Str No	14/4
Chainage	13+460
Type	Box
Size	1x2.0x2.0m
Proposal	New

Str No	14/5
Chainage	13+760
Type	Box
Size	1x2.0x2.0m
Proposal	New



Proposed Road Levels	737.301-741.800-739.686 736.805-743.209-739.718 736.505-743.106-739.761 736.172-742.816-739.774 735.981-742.423-739.757 735.853-742.129-739.710 735.387-741.938-739.633 734.973-741.624-739.526 735.124-741.132-739.389 734.635-740.887-739.221 734.656-740.577-739.024 735.054-740.479-738.797 734.078-740.669-738.539 733.415-740.226-738.252 731.644-739.329-737.934 731.282-737.407-737.594 730.920-736.355-737.253 730.732-735.993-736.912 728.062-736.899-736.572 726.360-735.085-736.231 726.091-732.593-735.890 725.166-735.568-735.549 731.272-735.616-735.208 729.352-741.028-734.867 728.756-738.987-734.526 729.569-737.461-734.185 728.146-736.421-733.844 727.066-734.327-733.504 726.254-733.245-733.163 725.456-732.545-732.822 725.166-730.434-729.658 728.194-730.292-729.473 727.082-729.990-729.473 726.739-729.924-729.482 726.422-729.905-729.557 725.020-729.431-729.700 725.200-728.185-729.910 726.217-726.764-730.188 728.354-727.944-730.532 735.994-728.671-730.944 733.840-735.090-731.406 733.915-738.427-731.871 735.356-738.659-732.337 735.436-737.791-732.802 734.069-738.577-733.267 733.466-738.182-733.733 731.941-737.492-734.196 731.551-737.235-734.633 731.791-737.849-735.037 731.513-737.658-735.408 731.703-737.382-735.747 731.592-736.691-736.054 732.394-736.713-736.327 734.196-737.514-736.568 733.539-737.988-736.777 732.288-737.388-736.952 731.549-737.019-737.096 731.503-737.117-737.206 731.716-737.153-737.284 731.773-737.262-737.330 731.810-737.456-737.342 732.058-737.790-737.325 733.118-738.125-737.301 735.279-738.113-737.277 734.426-740.818-737.254 733.664-740.132-737.248 732.761-737.845-737.262 732.906-736.126-737.296 733.904-736.669-737.351 734.878-737.618-737.426 735.545-738.421-737.522 735.154-738.149-737.639 734.697-737.723-737.776 734.415-738.038-737.933 735.051-738.293-738.111 735.483-738.437-738.309 735.710-738.763-738.528 735.943-739.008-738.766 736.172-739.278-739.008 736.459-739.653-739.251 736.653-740.185-739.493 736.501-740.322-739.723 736.810-740.670-739.927 737.234-741.005-740.103 737.548-741.584-740.263 737.430-741.909-740.375 737.456-741.981-740.470 737.491-742.084-740.538 737.525-742.114-740.580 737.731-742.264-740.594 737.811-742.391-740.581 737.915-742.493-740.541
Ground Levels	745.267-741.800-739.686 736.805-743.209-739.718 736.505-743.106-739.761 736.172-742.816-739.774 735.981-742.423-739.757 735.853-742.129-739.710 735.387-741.938-739.633 734.973-741.624-739.526 735.124-741.132-739.389 734.635-740.887-739.221 734.656-740.577-739.024 735.054-740.479-738.797 734.078-740.669-738.539 733.415-740.226-738.252 731.644-739.329-737.934 731.282-737.407-737.594 730.920-736.355-737.253 730.732-735.993-736.912 728.062-736.899-736.572 726.360-735.085-736.231 726.091-732.593-735.890 725.166-735.568-735.549 731.272-735.616-735.208 729.352-741.028-734.867 728.756-738.987-734.526 729.569-737.461-734.185 728.146-736.421-733.844 727.066-734.327-733.504 726.254-733.245-733.163 725.456-732.545-732.822 725.166-730.434-729.658 728.194-730.292-729.473 727.082-729.990-729.473 726.739-729.924-729.482 726.422-729.905-729.557 725.020-729.431-729.700 725.200-728.185-729.910 726.217-726.764-730.188 728.354-727.944-730.532 735.994-728.671-730.944 733.840-735.090-731.406 733.915-738.427-731.871 735.356-738.659-732.337 735.436-737.791-732.802 734.069-738.577-733.267 733.466-738.182-733.733 731.941-737.492-734.196 731.551-737.235-734.633 731.791-737.849-735.037 731.513-737.658-735.408 731.703-737.382-735.747 731.592-736.691-736.054 732.394-736.713-736.327 734.196-737.514-736.568 733.539-737.988-736.777 732.288-737.388-736.952 731.549-737.019-737.096 731.503-737.117-737.206 731.716-737.153-737.284 731.773-737.262-737.330 731.810-737.456-737.342 732.058-737.790-737.325 733.118-738.125-737.301 735.279-738.113-737.277 734.426-740.818-737.254 733.664-740.132-737.248 732.761-737.845-737.262 732.906-736.126-737.296 733.904-736.669-737.351 734.878-737.618-737.426 735.545-738.421-737.522 735.154-738.149-737.639 734.697-737.723-737.776 734.415-738.038-737.933 735.051-738.293-738.111 735.483-738.437-738.309 735.710-738.763-738.528 735.943-739.008-738.766 736.172-739.278-739.008 736.459-739.653-739.251 736.653-740.185-739.493 736.501-740.322-739.723 736.810-740.670-739.927 737.234-741.005-740.103 737.548-741.584-740.263 737.430-741.909-740.375 737.456-741.981-740.470 737.491-742.084-740.538 737.525-742.114-740.580 737.731-742.264-740.594 737.811-742.391-740.581 737.915-742.493-740.541
Ground Levels @6m Left	737.301-741.800-739.686 736.805-743.209-739.718 736.505-743.106-739.761 736.172-742.816-739.774 735.981-742.423-739.757 735.853-742.129-739.710 735.387-741.938-739.633 734.973-741.624-739.526 735.124-741.132-739.389 734.635-740.887-739.221 734.656-740.577-739.024 735.054-740.479-738.797 734.078-740.669-738.539 733.415-740.226-738.252 731.644-739.329-737.934 731.282-737.407-737.594 730.920-736.355-737.253 730.732-735.993-736.912 728.062-736.899-736.572 726.360-735.085-736.231 726.091-732.593-735.890 725.166-735.568-735.549 731.272-735.616-735.208 729.352-741.028-734.867 728.756-738.987-734.526 729.569-737.461-734.185 728.146-736.421-733.844 727.066-734.327-733.504 726.254-733.245-733.163 725.456-732.545-732.822 725.166-730.434-729.658 728.194-730.292-729.473 727.082-729.990-729.473 726.739-729.924-729.482 726.422-729.905-729.557 725.020-729.431-729.700 725.200-728.185-729.910 726.217-726.764-730.188 728.354-727.944-730.532 735.994-728.671-730.944 733.840-735.090-731.406 733.915-738.427-731.871 735.356-738.659-732.337 735.436-737.791-732.802 734.069-738.577-733.267 733.466-738.182-733.733 731.941-737.492-734.196 731.551-737.235-734.633 731.791-737.849-735.037 731.513-737.658-735.408 731.703-737.382-735.747 731.592-736.691-736.054 732.394-736.713-736.327 734.196-737.514-736.568 733.539-737.988-736.777 732.288-737.388-736.952 731.549-737.019-737.096 731.503-737.117-737.206 731.716-737.153-737.284 731.773-737.262-737.330 731.810-737.456-737.342 732.058-737.790-737.325 733.118-738.125-737.301 735.279-738.113-737.277 734.426-740.818-737.254 733.664-740.132-737.248 732.761-737.845-737.262 732.906-736.126-737.296 733.904-736.669-737.351 734.878-737.618-737.426 735.545-738.421-737.522 735.154-738.149-737.639 734.697-737.723-737.776 734.415-738.038-737.933 735.051-738.293-738.111 735.483-738.437-738.309 735.710-738.763-738.528 735.943-739.008-738.766 736.172-739.278-739.008 736.459-739.653-739.251 736.653-740.185-739.493 736.501-740.322-739.723 736.810-740.670-739.927 737.234-741.005-740.103 737.548-741.584-740.263 737.430-741.909-740.375 737.456-741.981-740.470 737.491-742.084-740.538 737.525-742.114-740.580 737.731-742.264-740.594 737.811-742.391-740.581 737.915-742.493-740.541
Ground Levels @6m Right	745.267-741.800-739.686 736.805-743.209-739.718 736.505-743.106-739.761 736.172-742.816-739.774 735.981-742.423-739.757 735.853-742.129-739.710 735.387-741.938-739.633 734.973-741.624-739.526 735.124-741.132-739.389 734.635-740.887-739.221 734.656-740.577-739.024 735.054-740.479-738.797 734.078-740.669-738.539 733.415-740.226-738.252 731.644-739.329-737.934 731.282-737.407-737.594 730.920-736.355-737.253 730.732-735.993-736.912 728.062-736.899-736.572 726.360-735.085-736.231 726.091-732.593-735.890 725.166-735.568-735.549 731.272-735.616-735.208 729.352-741.028-734.867 728.756-738.987-734.526 729.569-737.461-734.185 728.146-736.421-733.844 727.066-734.327-733.504 726.254-733.245-733.163 725.456-732.545-732.822 725.166-730.434-729.658 728.194-730.292-729.473 727.082-729.990-729.473 726.739-729.924-729.482 726.422-729.905-729.557 725.020-729.431-729.700 725.200-728.185-729.910 726.217-726.764-730.188 728.354-727.944-730.532 735.994-728.671-730.944 733.840-735.090-731.406 733.915-738.427-731.871 735.356-738.659-732.337 735.436-737.791-732.802 734.069-738.577-733.267 733.466-738.182-733.733 731.941-737.492-734.196 731.551-737.235-734.633 731.791-737.849-735.037 731.513-737.658-735.408 731.703-737.382-735.747 731.592-736.691-736.054 732.394-736.713-736.327 734.196-737.514-736.568 733.539-737.988-736.777 732.288-737.388-736.952 731.549-737.019-737.096 731.503-737.117-737.206 731.716-737.153-737.284 731.773-737.262-737.330 731.810-737.456-737.342 732.058-737.790-737.325 733.118-738.125-737.301 735.279-738.113-737.277 734.426-740.818-737.254 733.664-740.132-737.248 732.761-737.845-737.262 732.906-736.126-737.296 733.904-736.669-737.351 734.878-737.618-737.426 735.545-738.421-737.522 735.154-738.149-737.639 734.697-737.723-737.776 734.415-738.038-737.933 735.051-738.293-738.111 735.483-738.437-738.309 735.710-738.763-738.528 735.943-739.008-738.766 736.172-739.278-739.008 736.459-739.653-739.251 736.653-740.185-739.493 736.501-740.322-739.723 736.810-740.670-739.927 737.234-741.005-740.103 737.548-741.584-740.263 737.430-741.909-740.375 737.456-741.981-740.470 737.491-742.084-740.538 737.525-742.114-740.580 737.731-742.264-740.594 737.811-742.391-740.581 737.915-742.493-740.541
Vertical Alignment	R=3324.430 L=130.000 G=-3.409% L=220.273 R=1488.366 L=120.000 G=4.654% L=63.232 R=3065.831 L=150.000 G=-0.239% L=30.893 R=4881.887 L=130.000 G=2.424% L=34.058 R=3698.926 L=150.000
Horizontal Alignment	R: 130.000 L: 10.644 R: 300.000 L: 43.253 L: 43.187 R: 300.000 L: 98.263 L: 23.862 R: 200.000 L: 32.525 L: 26.401 R: 100.000 L: 42.624 L: 46.305 L: 15.000 R: 40.000 L: 27.129 R: 100.000 L: 59.557 L: 15.000 R: 100.000 L: 34.453 L: 27.809 L: 52.511 R: 70.000 L: 47.449 L: 57.473 R: 300.000 L: 29.710 L: 205.778
Chainage	-13000.000 -13010.000 -13020.000 -13030.000 -13040.000 -13050.000 -13060.000 -13070.000 -13080.000 -13090.000 -13100.000 -13110.000 -13120.000 -13130.000 -13140.000 -13150.000 -13160.000 -13170.000 -13180.000 -13190.000 -13200.000 -13210.000 -13220.000 -13230.000 -13240.000 -13250.000 -13260.000 -13270.000 -13280.000 -13290.000 -13300.000 -13310.000 -13320.000 -13330.000 -13340.000 -13350.000 -13360.000 -13370.000 -13380.000 -13390.000 -13400.000 -13410.000 -13420.000 -13430.000 -13440.000 -13450.000 -13460.000 -13470.000 -13480.000 -13490.000 -13500.000 -13510.000 -13520.000 -13530.000 -13540.000 -13550.000 -13560.000 -13570.000 -13580.000 -13590.000 -13600.000 -13610.000 -13620.000 -13630.000 -13640.000 -13650.000 -13660.000 -13670.000 -13680.000 -13690.000 -13700.000 -13710.000 -13720.000 -13730.000 -13740.000 -13750.000 -13760.000 -13770.000 -13780.000 -13790.000 -13800.000 -13810.000 -13820.000 -13830.000 -13840.000 -13850.000 -13860.000 -13870.000 -13880.000 -13890.000 -13900.000 -13910.000 -13920.000 -13930.000 -13940.000 -13950.000 -13960.000 -13970.000 -13980.000 -13990.000 -14000.000

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

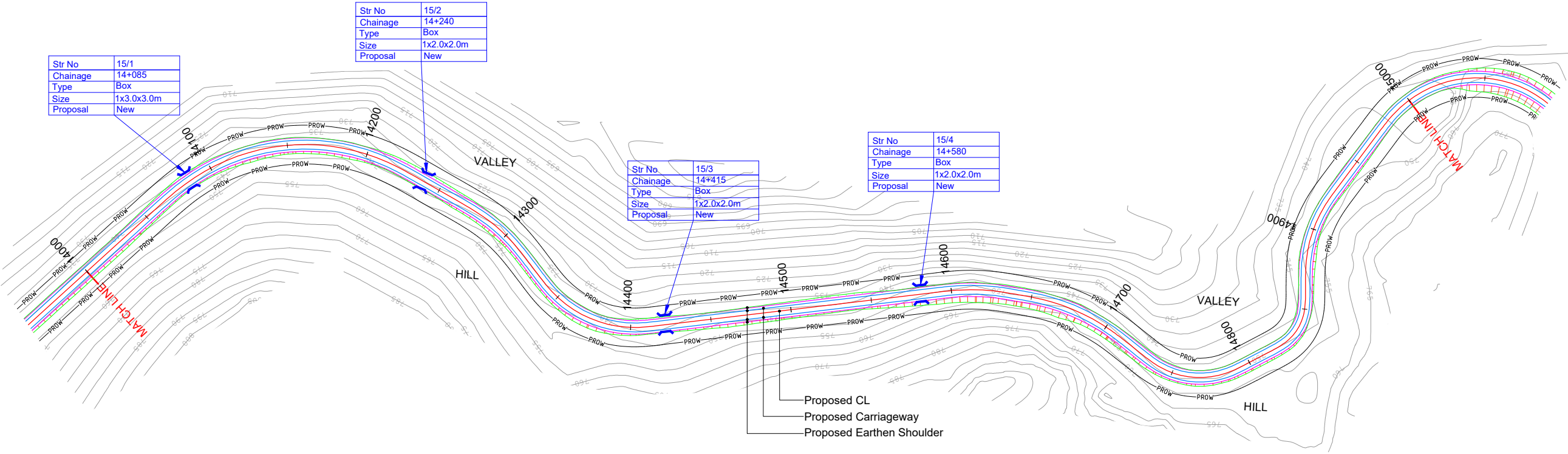
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 107 AT CH. 14147.443	HIP NO. 108 AT CH. 14294.113	HIP NO. 109 AT CH. 14374.256	HIP NO. 110 AT CH. 14615.744	HIP NO. 111 AT CH. 14680.323	HIP NO. 112 AT CH. 14762.721	HIP NO. 113 AT CH. 14837.156	HIP NO. 114 AT CH. 14898.001
X = 667856.186 Y = 3192227.984	X = 667712.505 Y = 3192281.326	X = 667651.338 Y = 3192335.715	X = 667414.328 Y = 3192281.554	X = 667349.62 Y = 3192285.443	X = 667275.037 Y = 3192323.973	X = 667212.655 Y = 3192281.57	X = 667214.445 Y = 3192220.377
R (m) 125 Ls (m) 25	R (m) 100 Ls (m) 25	R (m) 70 Ls (m) 15	R (m) 125 Ls (m) 15	R (m) 125 Ls (m) 15	R (m) 50 Ls (m) 15	R (m) 30 Ls (m) 15	R (m) 80 Ls (m) 15
Dc(deg) 60.613 S(m) 0.21	Dc(deg) 8.7324 S(m) 0.26	Dc(deg) 47.4368 S(m) 0.13	Dc(deg) 9.8613 S(m) 0.08	Dc(deg) 21.7215 S(m) 0.08	Dc(deg) 48.8492 S(m) 0.19	Dc(deg) 33.6555 S(m) 0.31	Dc(deg) 25.9622 S(m) 0.12
Lc(m) 132.24 Ts(deg) 5.7296	Lc(m) 15.24 Ts(deg) 7.162	Lc(m) 57.95 Ts(deg) 6.1388	Lc(m) 21.51 Ts(deg) 3.4377	Lc(m) 47.39 Ts(deg) 3.4377	Lc(m) 42.63 Ts(deg) 8.5944	Lc(m) 17.62 Ts(deg) 14.3239	Lc(m) 36.25 Ts(deg) 5.3715
Ts(m) 103.587 Δ(deg) 72.0721	Ts(m) 32.943 Δ(deg) 23.0564	Ts(m) 47.754 Δ(deg) 59.7145	Ts(m) 25.899 Δ(deg) 16.7368	Ts(m) 39.378 Δ(deg) 28.597	Ts(m) 40.112 Δ(deg) 66.038	Ts(m) 25.806 Δ(deg) 62.3034	Ts(m) 34.077 Δ(deg) 36.7051
Es(m) 29.839 e(%) 8.89%	Es(m) 2.324 e(%) 10.00%	Es(m) 10.863 e(%) 10.00%	Es(m) 1.426 e(%) 8.89%	Es(m) 4.079 e(%) 8.89%	Es(m) 9.858 e(%) 10.00%	Es(m) 5.417 e(%) 10.00%	Es(m) 4.414 e(%) 8.89%
V(km/hr) 50 We(m) 0.6	V(km/hr) 50 We(m) 0.9	V(km/hr) 40 We(m) 0.9	V(km/hr) 50 We(m) 0.6	V(km/hr) 50 We(m) 0.6	V(km/hr) 40 We(m) 1.2	V(km/hr) 30 We(m) 1.5	V(km/hr) 40 We(m) 0.9
CurveType RIGHT	CurveType RIGHT	CurveType LEFT	CurveType RIGHT	CurveType RIGHT	CurveType LEFT	CurveType LEFT	CurveType RIGHT

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

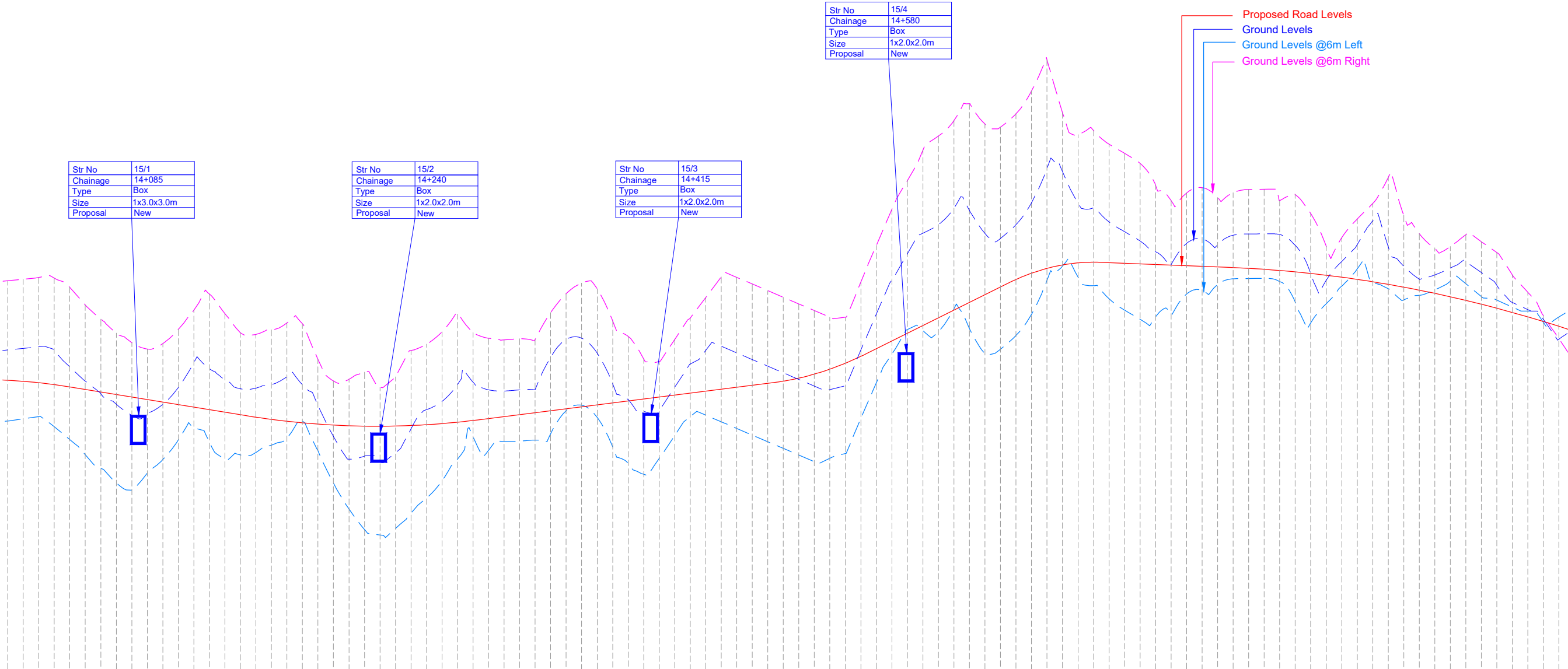
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT

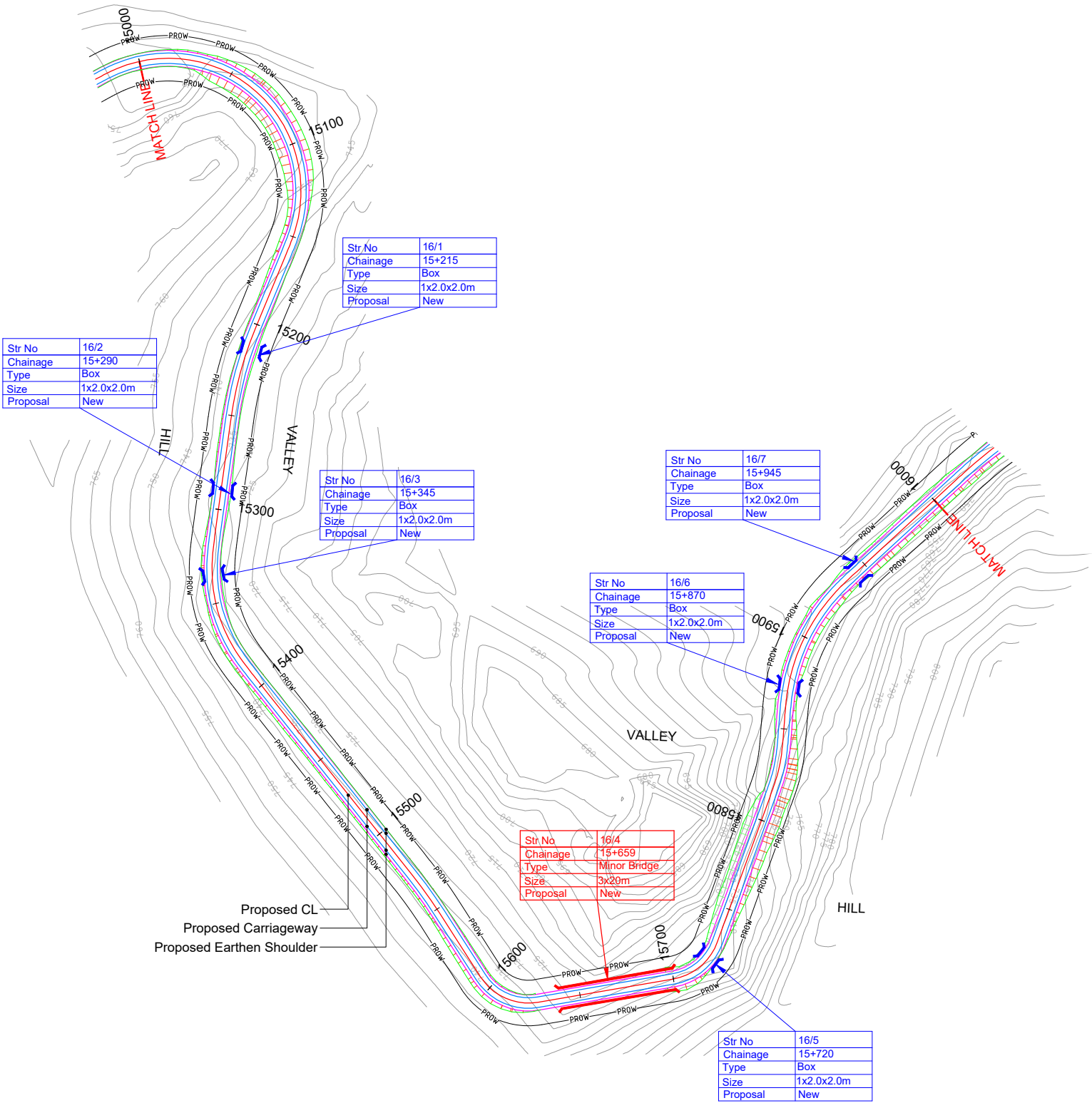


DATUM = 720	
Proposed Road Levels	746.954 737.915 742.493 740.541 747.056 738.054 742.595 740.474 747.172 738.198 742.698 740.380 747.133 737.545 742.452 740.259 746.536 736.717 741.403 740.111 745.394 735.743 740.484 739.948 744.488 734.858 739.677 739.785 743.576 733.927 738.992 739.622 742.968 733.456 738.277 739.458 742.557 734.562 738.416 739.295 742.905 735.429 738.983 739.132 743.829 736.693 740.075 738.969 745.064 737.497 741.681 738.806 746.105 736.555 741.297 738.643 744.842 735.500 740.579 738.480 743.603 735.725 739.988 738.317 743.496 735.877 740.030 738.158 743.793 736.348 740.261 738.018 744.235 736.780 740.769 737.897 744.182 737.896 740.252 737.795 741.889 735.982 738.936 737.713 740.494 733.904 736.909 737.649 740.605 732.237 735.454 737.606 741.068 730.918 735.646 737.581 740.081 730.563 735.344 737.576 740.759 730.989 735.874 737.590 742.465 731.976 737.410 737.623 742.867 732.952 738.644 737.676 743.663 734.067 738.185 737.747 744.808 735.455 740.277 737.838 743.613 736.886 740.419 737.949 743.251 736.022 739.925 738.074 743.142 736.589 739.848 738.200 743.215 736.616 739.919 738.326 743.168 736.686 739.926 738.452 744.903 737.088 742.012 738.578 746.125 738.577 743.168 738.704 746.810 738.931 743.251 738.830 746.427 738.149 742.297 738.956 744.379 736.239 740.311 739.082 743.367 735.177 739.291 739.208 741.912 734.479 738.531 739.334 741.751 735.496 738.583 739.460 743.175 736.981 740.096 739.586 744.543 738.194 741.588 739.712 745.873 738.289 742.465 739.838 747.207 737.862 742.732 739.964 747.175 737.434 742.305 740.091 746.746 737.006 741.876 740.217 746.318 736.577 741.448 740.343 745.890 736.149 741.020 740.481 745.462 735.721 740.592 740.678 745.034 735.293 740.164 740.937 744.606 735.509 739.943 741.258 744.607 735.811 740.185 741.640 746.868 738.075 742.498 742.084 749.242 740.383 744.810 742.578 751.550 742.229 747.007 743.075 753.426 743.812 748.695 743.572 755.381 743.737 750.022 744.069 756.289 743.681 750.575 744.566 757.281 745.142 751.841 745.064 758.370 743.874 751.487 745.561 757.062 742.248 750.005 746.058 756.864 742.545 748.688 746.555 757.724 743.424 750.572 747.038 759.190 744.796 751.985 747.440 761.203 746.975 754.190 747.752 757.791 747.904 753.986 747.975 756.381 747.185 751.962 748.109 756.639 746.633 751.851 748.153 755.172 745.791 750.752 748.121 755.172 745.065 750.119 748.082 754.521 744.474 748.520 748.042 753.109 744.633 748.827 748.003 752.127 744.810 747.989 747.963 752.623 746.102 748.360 747.924 752.962 746.334 749.652 747.884 752.324 746.709 749.281 747.844 752.638 747.084 748.893 747.805 752.843 747.100 748.973 747.756 752.854 747.109 749.982 747.694 752.122 746.896 749.938 747.618 752.528 745.588 749.239 747.530 751.289 744.239 747.428 747.428 749.174 745.473 746.984 747.314 749.726 746.608 748.205 747.186 750.937 747.715 748.285 747.045 751.944 746.860 750.836 746.891 753.622 746.448 748.139 746.724 751.172 745.727 747.896 746.543 749.984 746.019 747.051 746.350 749.082 746.371 747.332 746.143 749.161 746.929 747.770 745.923 749.924 746.761 748.181 745.690 749.474 745.939 747.486 745.444 748.776 745.713 746.656 745.185 747.331 745.255 745.554 744.912 746.210 745.000 745.096 744.627 744.708 744.276 744.467 743.220 744.624 743.183
Ground Levels	737.915 742.493 738.054 742.595 740.474 738.198 742.698 740.380 737.545 742.452 740.259 746.536 736.717 741.403 740.111 735.743 740.484 739.948 734.858 739.677 739.785 733.927 738.992 739.622 733.456 738.277 739.458 734.562 738.416 739.295 735.429 738.983 739.132 736.693 740.075 738.969 737.497 741.681 738.806 736.555 741.297 738.643 735.500 740.579 738.480 735.725 739.988 738.317 735.877 740.030 738.158 736.348 740.261 738.018 736.780 740.769 737.897 737.896 740.252 737.795 735.982 738.936 737.713 733.904 736.909 737.649 732.237 735.454 737.606 730.918 735.646 737.581 730.563 735.344 737.576 730.989 735.874 737.590 731.976 737.410 737.623 732.952 738.644 737.676 734.067 738.185 737.747 735.455 740.277 737.838 736.886 740.419 737.949 736.022 739.925 738.074 739.848 738.200 736.616 739.919 738.326 736.686 739.926 738.452 737.088 742.012 738.578 738.577 743.168 738.704 738.931 743.251 738.830 738.149 742.297 738.956 736.239 740.311 739.082 735.177 739.291 739.208 734.479 738.531 739.334 735.496 738.583 739.460 736.981 740.096 739.586 738.194 741.588 739.712 738.289 742.465 739.838 737.862 742.732 739.964 737.434 742.305 740.091 737.006 741.876 740.217 736.577 741.448 740.343 736.149 741.020 740.481 735.721 740.592 740.678 735.293 740.164 740.937 735.509 739.943 741.258 735.811 740.185 741.640 738.075 742.498 742.084 742.229 747.007 743.075 743.812 748.695 743.572 743.737 750.022 744.069 743.681 750.575 744.566 745.142 751.841 745.064 743.874 751.487 745.561 742.248 750.005 746.058 742.545 748.688 746.555 743.424 750.572 747.038 744.796 751.985 747.440 746.975 754.190 747.752 747.904 753.986 747.975 747.185 751.962 748.109 746.633 751.851 748.153 745.791 750.752 748.121 745.065 750.119 748.082 744.474 748.520 748.042 744.633 748.827 748.003 744.810 747.989 747.963 746.102 748.360 747.924 746.334 749.652 747.884 746.709 749.281 747.844 747.084 748.893 747.805 747.100 748.973 747.756 747.109 749.982 747.694 746.896 749.938 747.618 745.588 749.239 747.530 744.239 747.428 747.428 745.473 746.984 747.314 746.608 748.205 747.186 747.715 748.285 747.045 746.860 750.836 746.891 746.448 748.139 746.724 745.727 747.896 746.543 746.019 747.051 746.350 746.371 747.332 746.143 746.929 747.770 745.923 746.761 748.181 745.690 745.939 747.486 745.444 745.713 746.656 745.185 745.255 745.554 744.912 745.000 745.096 744.627 744.276 744.467 743.220 744.624 743.183
Ground Levels @6m Left	737.915 742.493 738.054 742.595 740.474 738.198 742.698 740.380 737.545 742.452 740.259 746.536 736.717 741.403 740.111 735.743 740.484 739.948 734.858 739.677 739.785 733.927 738.992 739.622 733.456 738.277 739.458 734.562 738.416 739.295 735.429 738.983 739.132 736.693 740.075 738.969 737.497 741.681 738.806 736.555 741.297 738.643 735.500 740.579 738.480 735.725 739.988 738.317 735.877 740.030 738.158 736.348 740.261 738.018 736.780 740.769 737.897 737.896 740.252 737.795 735.982 738.936 737.713 733.904 736.909 737.649 732.237 735.454 737.606 730.918 735.646 737.581 730.563 735.344 737.576 730.989 735.874 737.590 731.976 737.410 737.623 732.952 738.644 737.676 734.067 738.185 737.747 735.455 740.277 737.838 736.886 740.419 737.949 736.022 739.925 738.074 739.848 738.200 736.616 739.919 738.326 736.686 739.926 738.452 737.088 742.012 738.578 738.577 743.168 738.704 738.931 743.251 738.830 738.149 742.297 738.956 736.239 740.311 739.082 735.177 739.291 739.208 734.479 738.531 739.334 735.496 738.583 739.460 736.981 740.096 739.586 738.194 741.588 739.712 738.289 742.465 739.838 737.862 742.732 739.964 737.434 742.305 740.091 737.006 741.876 740.217 736.577 741.448 740.343 736.149 741.020 740.481 735.721 740.592 740.678 735.293 740.164 740.937 735.509 739.943 741.258 735.811 740.185 741.640 738.075 742.498 742.084 742.229 747.007 743.075 743.812 748.695 743.572 743.737 750.022 744.069 743.681 750.575 744.566 745.142 751.841 745.064 743.874 751.487 745.561 742.248 750.005 746.058 742.545 748.688 746.555 743.424 750.572 747.038 744.796 751.985 747.440 746.975 754.190 747.752 747.904 753.986 747.975 747.185 751.962 748.109 746.633 751.851 748.153 745.791 750.752 748.121 745.065 750.119 748.082 744.474 748.520 748.042 744.633 748.827 748.003 744.810 747.989 747.963 746.102 748.360 747.924 746.334 749.652 747.884 746.709 749.281 747.844 747.084 748.893 747.805 747.100 748.973 747.756 747.109 749.982 747.694 746.896 749.938 747.618 745.588 749.239 747.530 744.239 747.428 747.428 745.473 746.984 747.314 746.608 748.205 747.186 747.715 748.285 747.045 746.860 750.836 746.891 746.448 748.139 746.724 745.727 747.896 746.543 746.019 747.051 746.350 746.371 747.332 746.143 746.929 747.770 745.923 746.761 748.181 745.690 745.939 747.486 745.444 745.713 746.656 745.185 745.255 745.554 744.912 745.000 745.096 744.627 744.276 744.467 743.220 744.624 743.183
Ground Levels @6m Right	746.954 737.915 742.493 740.541 747.056 738.054 742.595 740.474 747.172 738.198 742.698 740.380 747.133 737.545 742.452 740.259 746.536 736.717 741.403 740.111 745.394 735.743 740.484 739.948 744.488 734.858 739.677 739.785 743.576 733.927 738.992 739.622 742.968 733.456 738.277 739.458 742.557 734.562 738.416 739.295 742.905 735.429 738.983 739.132 743.829 736.693 740.075 738.969 745.064 737.497 741.681 738.806 746.105 736.555 741.297 738.643 744.842 735.500 740.579 738.480 743.603 735.725 739.988 738.317 743.496 735.877 740.030 738.158 743.793 736.348 740.261 738.018 744.235 736.780 740.769 737.897 744.182 737.896 740.252 737.795 741.889 735.982 738.936 737.713 740.494 733.904 736.909 737.649 740.605 732.237 735.454 737.606 741.068 730.918 735.646 737.581 740.081 730.563 735.344 737.576 740.759 730.989 735.874 737.590 742.465 731.976 737.410 737.623 742.867 732.952 738.644 737.676 743.663 734.067 738.185 737.747 744.808 735.455 740.277 737.838 743.613 736.886 740.419 737.949 743.251 736.022 739.925 738.074 743.142 736.589 739.848 738.200 743.215 736.616 739.919 738.326 743.168 736.686 739.926 738.452 744.903 737.088 742.012 738.578 746.125 738.577 743.168 738.704 746.810 738.931 743.251 738.830 746.427 738.149 742.297 738.956 744.379 736.239 740.311 739.082 743.367 735.177 739.291 739.208 741.912 734.479 738.531 739.334 741.751 735.496 738.583 739.460 743.175 736.981 740.096 739.586 744.543 738.194 741.588 739.712 745.873 738.289 742.465 739.838 747.207 737.862 742.732 739.964 747.175 737.434 742.305 740.091 746.746 737.006 741.876 740.217 746.318 736.577 741.448 740.343 745.890 736.149 741.020 740.481 745.462 735.721 740.592 740.678 745.034 735.293 740.164 740.937 744.606 735.509 739.943 741.258 744.607 735.811 740.185 741.640 746.868 738.075 742.498 742.084 749.242 740.383 744.810 742.578 751.550 742.229 747.007 743.075 753.426 743.812 748.695 743.572 755.381 743.737 750.022 744.069 756.289 743.681 750.575 744.566 757.281 745.142 751.841 745.064 758.370 743.874 751.487 745.561 757.062 742.248 750.005 746.058 756.864 742.545 748.688 746.555 757.724 743.424 750.572 747.038 759.190 744.796 751.985 747.440 761.203 746.975 754.190 747.752 757.791 747.904 753.986 747.975 756.381 747.185 751.962 748.109 756.639 746.633 751.851 748.153 755.172 745.791 750.752 748.121 755.172 745.065 750.119 748.082 754.521 744.474 748.520 748.042 753.109 744.633 748.827 748.003 752.127 744.810 747.989 747.963 752.623 746.102 748.360 747.924 752.962 746.334 749.652 747.884 752.324 746.709 749.281 747.844 752.638 747.084 748.893 747.805 752.843 747.100 748.973 747.756 752.854 747.109 749.982 747.694 752.122 746.896 749.938 747.618 752.528 745.588 749.239 747.530 751.289 744.239 747.428 747.428 749.174 745.473 746.984 747.314 749.726 746.608 748.205 747.186 750.937 747.715 748.285 747.045 751.944 746.860 750.836 746.891 753.622 746.448 748.139 746.724 751.172 745.727 747.896 746.543 749.984 746.019 747.051 746.350 749.082 746.371 747.332 746.143 749.161 746.929 747.770 745.923 749.924 746.761 748.181 745.690 749.474 745.939 747.486 745.444 748.776 745.713 746.656 745.185 747.331 745.255 745.554 744.912 746.210 745.000 745.096 744.627 744.708 744.276 744.467 743.220 744.624 743.183
Vertical Alignment	G = -1.631% L = 112.547 R = 5187.238 L = 150.000 G = 1.260% L = 190.425 R = 1616.544 L = 60.000 G = 4.972% L = 90.783 R = 1117.816 L = 60.000 G = 0.396% L = 83.544 R = 7604.961 L = 220.000
Horizontal Alignment	L: 25.000 R: 125.000 L: 132.237 L: 25.000 L = 22.931 R: 100.000 L: 15.241 L: 25.000 L = 35.645 R: 70.000 L: 57.955 L: 15.000 L = 171.754 L: 15.000 R: 125.000 L: 21.514 L: 5.000 L = 10.127</

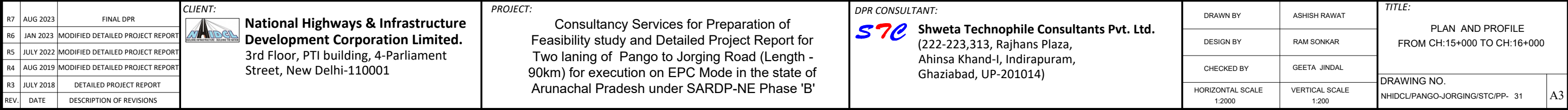
LEGEND

PLAN:-
PROP.CENTER LINE
PROP.CARRIAGEWAY EDGE
PROP.EARTHEN SHOULDER
TOE LINE
PROP.RIGHT OF WAY
CULVERT
MAJOR/MINOR BRIDGE

PROFILE:-
PROP.ROAD LEVEL
EXISTING GROUND LEVEL
GROUND LEVEL @6M LEFT
GROUND LEVEL @6M RIGHT



HIP NO. 115 AT CH. 15066.348			HIP NO. 116 AT CH. 15226.8			HIP NO. 117 AT CH. 15353.423			HIP NO. 118 AT CH. 15540.083			HIP NO. 119 AT CH. 15610.025			HIP NO. 120 AT CH. 15715.787			HIP NO. 121 AT CH. 15830.031			HIP NO. 122 AT CH. 15899.331		
X = 667085.049	Y = 3192022.05		X = 667034.155	Y = 3192245.312		X = 666980.263	Y = 3192360.54		X = 666806.02	Y = 3192428.697		X = 666741.09	Y = 3192460.444		X = 666658.275	Y = 3192388.464		X = 666681.755	Y = 3192275.009		X = 666710.351	Y = 3192210.906	
R (m)	70	Ls (m)	15	R (m)	200	Ls (m)		R (m)	80	Ls (m)	20	R (m)	30	Ls (m)		R (m)	30	Ls (m)	15	R (m)	100	Ls (m)	15
Dc(deg)	129.2675	S(m)	0.13	Dc(deg)	14.6471	S(m)		Dc(deg)	32.0434	S(m)	0.21	Dc(deg)	67.0513	S(m)		Dc(deg)	60.3267	S(m)	0.13	Dc(deg)	34.3402	S(m)	0.09
Lc(m)	157.93	Ts(deg)	6.1388	Lc(m)	51.13	Ts(deg)		Lc(m)	44.74	Ts(deg)	7.162	Lc(m)	35.11	Ts(deg)		Lc(m)	31.59	Ts(deg)		Lc(m)	59.94	Ts(deg)	4.2972
Ts(m)	208.573	Δ(deg)	141.5451	Ts(m)	25.704	Δ(deg)	14.6471	Ts(m)	44.346	Δ(deg)	46.3673	Ts(m)	19.876	Δ(deg)	67.0513	Ts(m)	17.435	Δ(deg)	60.3267	Ts(m)	46.859	Δ(deg)	42.9346
Es(m)	142.955	e(%)	10.00%	Es(m)	1.645	e(%)	5.56%	Es(m)	7.256	e(%)	8.89%	Es(m)	5.987	e(%)	10.00%	Es(m)	4.698	e(%)	10.00%	Es(m)	7.551	e(%)	10.00%
V(km/hr)	40	We(m)	0.9	V(km/hr)	50	We(m)	0.6	V(km/hr)	40	We(m)	0.9	V(km/hr)	30	We(m)	1.5	V(km/hr)	30	We(m)	1.5	V(km/hr)	40	We(m)	0.9
CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT			CurveType	LEFT			CurveType	LEFT			CurveType	LEFT		



LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

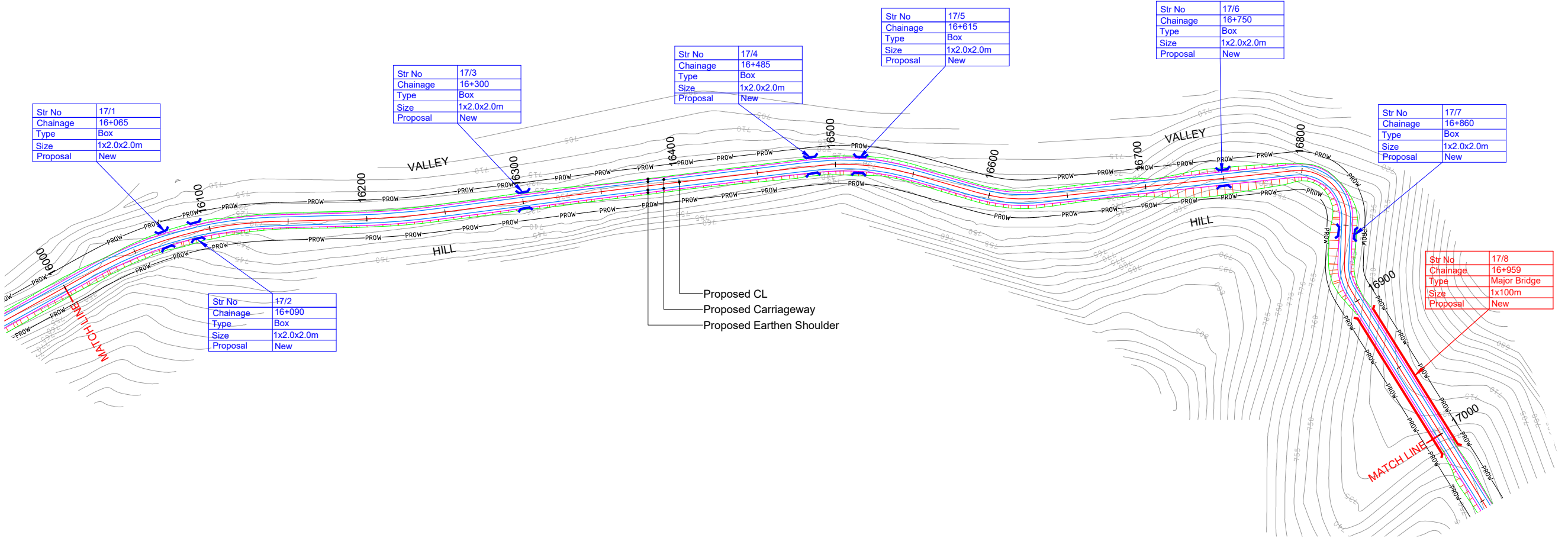
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 123 AT CH. 16081.311						HIP NO. 124 AT CH. 16219.464						HIP NO. 125 AT CH. 16343.33						HIP NO. 126 AT CH. 16517.582						HIP NO. 127 AT CH. 16612.983						HIP NO. 128 AT CH. 16820.626						HIP NO. 129 AT CH. 16884.016						
X = 666660.384			Y = 3192034.25			X = 666565.695			Y = 3191932.55			X = 666489.869			Y = 3191834.576			X = 666379.824			Y = 3191699.517			X = 666298.108			Y = 3191650.224			X = 666160.649			Y = 3191482.757			X = 666111.515			Y = 3191536.29			
R (m)	250	Ls (m)	15			R (m)	500	Ls (m)				R (m)	5000	Ls (m)	30			R (m)	150	Ls (m)	30			R (m)	100	Ls (m)	15			R (m)	30	Ls (m)				R (m)	30	Ls (m)				
Dc(deg)	24.1559	S(m)	0.04			Dc(deg)	5.9413	S(m)				Dc(deg)	0.6174	S(m)				Dc(deg)	11.3381	S(m)	0.25			Dc(deg)	13.5126	S(m)	0.09			Dc(deg)	98.4074	S(m)				Dc(deg)	34.2342	S(m)				
Lc(m)	105.4	Ts(deg)	1.7189			Lc(m)	51.85	Ts(deg)				Lc(m)	53.88	Ts(deg)				Lc(m)	29.68	Ts(deg)	5.7296			Lc(m)	23.58	Ts(deg)	4.2972			Lc(m)	51.53	Ts(deg)				Lc(m)	17.92	Ts(deg)				
Ts(m)	68.901	Δ(deg)	27.5936			Ts(m)	25.947	Δ(deg)	5.9413			Ts(m)	26.938	Δ(deg)	0.6174			Ts(m)	45.287	Δ(deg)	22.7972			Ts(m)	27.051	Δ(deg)	22.107			Ts(m)	34.76	Δ(deg)	98.4074			Ts(m)	9.239	Δ(deg)	34.2342			
Es(m)	7.469	e(%)	4.44%			Es(m)	0.673	e(%)	-2.50%			Es(m)	0.073	e(%)	-2.50%			Es(m)	3.273	e(%)	7.41%			Es(m)	1.982	e(%)	10.00%			Es(m)	15.916	e(%)	10.00%			Es(m)	1.39	e(%)	10.00%			
V(km/hr)	50	We(m)	0.6			V(km/hr)	50	We(m)	Nil			V(km/hr)	50	We(m)	Nil			V(km/hr)	50	We(m)	0.6			V(km/hr)	50	We(m)	0.9			V(km/hr)	30	We(m)	1.5			V(km/hr)	30	We(m)	1.5			
CurveType	RIGHT					CurveType	LEFT					CurveType	RIGHT					CurveType	RIGHT					CurveType	LEFT					CurveType	RIGHT				CurveType	LEFT						

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

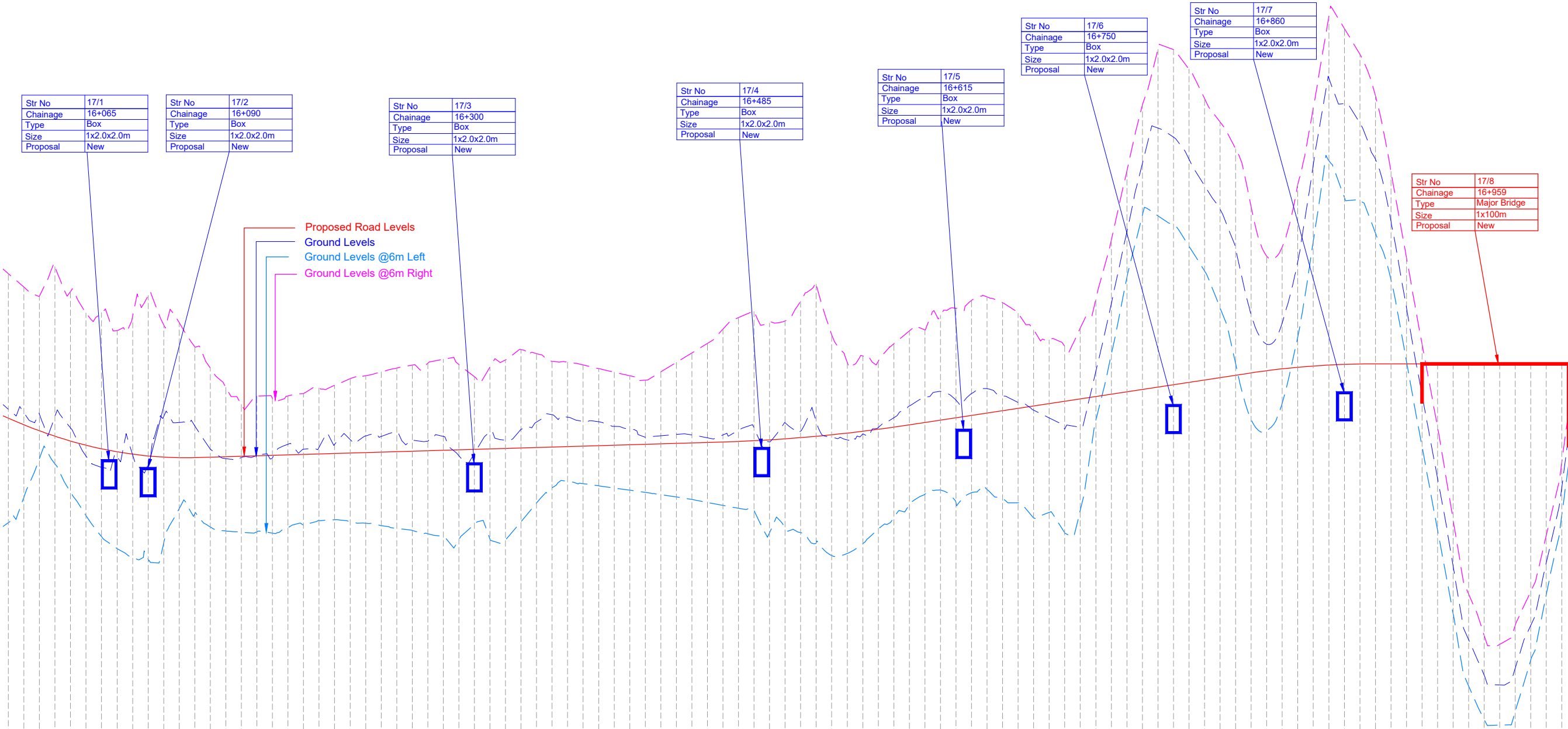
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



Proposed Road Levels	731.207 731.783 730.780 730.393 730.044 729.734 729.464 729.233 729.040 728.887 728.773 728.698 728.662 728.665 728.694 728.724 728.753 728.783 728.813 728.842 728.872 728.902 728.931 728.961 728.991 729.020 729.050 729.080 729.109 729.139 729.168 729.198 729.228 729.257 729.287 729.317 729.346 729.376 729.406 729.435 729.465 729.494 729.524 729.554 729.583 729.613 729.643 729.672 729.708 729.753 729.809 729.875 730.038 730.135 730.242 730.359 730.486 730.624 730.772 730.924 731.076 731.228 731.381 731.533 731.685 731.837 731.989 732.142 732.294 732.446 732.598 732.750 732.903 733.055 733.207 733.359 733.512 733.664 733.816 733.968 734.120 734.272 734.424 734.576 734.728 734.880 735.032 735.184 735.336 735.488 735.640 735.792 735.944 736.096 736.248 736.400 736.552 736.704 736.856 737.008 737.160 737.312 737.464 737.616 737.768 737.920 738.072 738.224 738.376 738.528 738.680 738.832 738.984 739.136 739.288 739.440 739.592 739.744 739.896 740.048 740.200 740.352 740.504 740.656 740.808 740.960 741.112 741.264 741.416 741.568 741.720 741.872 742.024 742.176 742.328 742.480 742.632 742.784 742.936 743.088 743.240 743.392 743.544 743.696 743.848 743.999 744.151 744.303 744.455 744.607 744.759 744.911 745.063 745.215 745.367 745.519 745.671 745.823 745.975 746.127 746.279 746.431 746.583 746.735 746.887 747.039 747.191 747.343 747.495 747.647 747.799 747.951 748.103 748.255 748.407 748.559 748.711 748.863 749.015 749.167 749.319 749.471 749.623 749.775 749.927 750.079 750.231 750.383 750.535 750.687 750.839 750.991 751.143 751.295 751.447 751.599 751.751 751.903 752.055 752.207 752.359 752.511 752.663 752.815 752.967 753.119 753.271 753.423 753.575 753.727 753.879 754.031 754.183 754.335 754.487 754.639 754.791 754.943 755.095 755.247 755.399 755.551 755.703 755.855 756.007 756.159 756.311 756.463 756.615 756.767 756.919 757.071 757.223 757.375 757.527 757.679 757.831 757.983 758.135 758.287 758.439 758.591 758.743 758.895 759.047 759.199 759.351 759.503 759.655 759.807 759.959 760.111 760.263 760.415 760.567 760.719 760.871 761.023 761.175 761.327 761.479 761.631 761.783 761.935 762.087 762.239 762.391 762.543 762.695 762.847 762.999 763.151 763.303 763.455 763.607 763.759 763.911 764.063 764.215 764.367 764.519 764.671 764.823 764.975 765.127 765.279 765.431 765.583 765.735 765.887 766.039 766.191 766.343 766.495 766.647 766.799 766.951 767.103 767.255 767.407 767.559 767.711 767.863 768.015 768.167 768.319 768.471 768.623 768.775 768.927 769.079 769.231 769.383 769.535 769.687 769.839 769.991 770.143 770.295 770.447 770.599 770.751 770.903 771.055 771.207 771.359 771.511 771.663 771.815 771.967 772.119 772.271 772.423 772.575 772.727 772.879 773.031 773.183 773.335 773.487 773.639 773.791 773.943 774.095 774.247 774.399 774.551 774.703 774.855 775.007 775.159 775.311 775.463 775.615 775.767 775.919 776.071 776.223 776.375 776.527 776.679 776.831 776.983 777.135 777.287 777.439 777.591 777.743 777.895 778.047 778.199 778.351 778.503 778.655 778.807 778.959 779.111 779.263 779.415 779.567 779.719 779.871 780.023 780.175 780.327 780.479 780.631 780.783 780.935 781.087 781.239 781.391 781.543 781.695 781.847 781.999 782.151 782.303 782.455 782.607 782.759 782.911 783.063 783.215 783.367 783.519 783.671 783.823 783.975 784.127 784.279 784.431 784.583 784.735 784.887 785.039 785.191 785.343 785.495 785.647 785.799 785.951 786.103 786.255 786.407 786.559 786.711 786.863 787.015 787.167 787.319 787.471 787.623 787.775 787.927 788.079 788.231 788.383 788.535 788.687 788.839 788.991 789.143 789.295 789.447 789.599 789.751 789.903 790.055 790.207 790.359 790.511 790.663 790.815 790.967 791.119 791.271 791.423 791.575 791.727 791.879 792.031 792.183 792.335 792.487 792.639 792.791 792.943 793.095 793.247 793.399 793.551 793.703 793.855 794.007 794.159 794.311 794.463 794.615 794.767 794.919 795.071 795.223 795.375 795.527 795.679 795.831 795.983 796.135 796.287 796.439 796.591 796.743 796.895 797.047 797.199 797.351 797.503 797.655 797.807 797.959 798.111 798.263 798.415 798.567 798.719 798.871 799.023 799.175 799.327 799.479 799.631 799.783 799.935 800.087 800.239 800.391 800.543 800.695 800.847 800.999 801.151 801.303 801.455 801.607 801.759 801.911 802.063 802.215 802.367 802.519 802.671 802.823 802.975 803.127 803.279 803.431 803.583 803.735 803.887 804.039 804.191 804.343 804.495 804.647 804.799 804.951 805.103 805.255 805.407 805.559 805.711 805.863 806.015 806.167 806.319 806.471 806.623 806.775 806.927 807.079 807.231 807.383 807.535 807.687 807.839 807.991 808.143 808.295 808.447 808.599 808.751 808.903 809.055 809.207 809.359 809.511 809.663 809.815 809.967 810.119 810.271 810.423 810.575 810.727 810.879 811.031 811.183 811.335 811.487 811.639 811.791 811.943 812.095 812.247 812.399 812.551 812.703 812.855 813.007 813.159 813.311 813.463 813.615 813.767 813.919 814.071 814.223 814.375 814.527 814.679 814.831 814.983 815.135 815.287 815.439 815.591 815.743 815.895 816.047 816.199 816.351 816.503 816.655 816.807 816.959 817.111 817.263 817.415 817.567 817.719 817.871 818.023 818.175 818.327 818.479 818.631 818.783 818.935 819.087 819.239 819.391 819.543 819.695 819.847 819.999 820.151 820.303 820.455 820.607 820.759 820.911 821.063 821.215 821.367 821.519 821.671 821.823 821.975 822.127 822.279 822.431 822.583 822.735 822.887 823.039 823.191 823.343 823.495 823.647 823.799 823.951 824.103 824.255 824.407 824.559 824.711 824.863 825.015 825.167 825.319 825.471 825.623 825.775 825.927 826.079 826.231 826.383 826.535 826.687 826.839 826.991 827.143 827.295 827.447 827.599 827.751 827.903 828.055 828.207 828.359 828.511 828.663 828.815 828.967 829.119 829.271 829.423 829.575 829.727 829.879 830.031 830.183 830.335 830.487 830.639 830.791 830.943 831.095 831.247 831.399 831.551 831.703 831.855 832.007 832.159 832.311 832.463 832.615 832.767 832.919 833.071 833.223 833.375 833.527 833.679 833.831 833.983 834.135 834.287 834.439 834.591 834.743 834.895 835.047 835.199 835.351 835.503 835.655 835.807 835.959 836.111 836.263 836.415 836.567 836.719 836.871 837.023 837.175 837.327 837.479 837.631 837.783 837.935 838.087 838.239 838.391 838.543 838.695 838.847 838.999 839.151 839.303 839.455 839.607 839.759 839.911 840.063 840.215 840.367 840.519 840.671 840.823 840.975 841.127 841.279 841.431 841.583 841.735 841.887 842.039 842.191 842.343 842.495 842.647 842.799 842.951 843.103 843.255 843.407 843.559 843.711 843.863 844.015 844.167 844.319 844.471 844.623 844.775 844.927 845.079 845.231 845.383 845.535 845.687 845.839 845.991 846.143 846.295 846.447 846.599 846.751 846.903 847.055 847.207 847.359 847.511 847.663 847.815 847.967 848.119 848.271 848.423 848.575 848.727 848.879 849.031 849.183 849.335 849.487 849.639 849.791 849.943 850.095 850.247 850.399 850.551 850.703 850.855 851.007 851.159 851.311 851.463 851.615 851.767 851.919 852.071 852.223 852.375 852.527 852.679 852.831 852.983 853.135 853.287 853.439 853.591 853.743 853.895 854.047 854.199 854.351 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873.495 873.647 873.799 873.951 874.103 874.255 874.407 874.559 874.711 874.863 875.015 875.167 875.319 875.471 875.623 875.775 875.927 876.079 876.231 876.383 876.535 876.687 876.839 876.991 877.143 877.295 877.447 877.599 877.751 877.903 878.055 878.207 878.359 878.511 878.663 878.815 878.967 879.119 879.271 879.423 879.575 879.727 879.879 880.031 880.183 880.335 880.487 880.639 880.791 880.943 881.095 881.247 881.399 881.551 881.703 881.855 882.007 882.159 882.311 882.463 882.615 882.767 882.919 883.071 883.223 883.375 883.527 883.679 883.831 883.983 884.135 884.287 884.439 884.591 884.743 884.895 885.047 885.199 885.351 885.503 885.655 885.807 885.959 886.111 886.263 886.415 886.567 886.719 886.871 887.023 887.175 887.327 887.479 887.631 887.783 887.935 888.087 888.239 888.391 888.543 888.695 888.847 888.999 889.151 889.303 889.455 889.607 889.759 889.911 890.063 890.215 890.367 890.519 890.671 890.823 890.975 891.127 891.279 891.431 891.583 891.735 891.887 892.039 892.191 892.343 892.495 892.647 892.799 892.951 893.103 893.255 893.407 893.559 893.711 893.863 894.015 894.167 894.319 894.471 894.623 894.775 894.927 895.079 895.231 895.383 895.535 895.687 895.839 895.991 896.143 896.295 896.447 896.599 896.751 896.903 897.055 897.207 897.359 897.511 897.663 897.815 897.967 898.119 898.271 898.423 898.575 898.727 898.879 899.031 899.183 899.335 899.487 899.639 899.791 899.943 900.095 900.247 900.399 900.551 900.703 900.855 901.007 901.159 901.311 901.463 901.615 901.767 901.919 902.071 902.223 902.375 902.527 902.679 902.831 902.983 903.135 903.287 903.439 903.591 903.743 903.895 904.047 904.199 904.351 904.503 904.655 904.807 904.959 905.111 905.263 905.415 905.567 905.719 905.871 906.023 906.175 906.327 906.479 906.631 906.783 906.935 907.087 907.239 907.391 907.543 907.695 907.847 907.999 908.151 908.303 908.455 908.607 908.759 908.911 909.063 909.215 909.367 909.519 909.671 909.823 909.975 910.127 910.279 910.431 910.583 910.735 910.887 911.039 911.191 911.343 911.495 911.647 911.799 911.951 912.103 912.255 912.407 912.559 912.711 912.863 913.015 913.167 913.319 913.471 913.623 913.775 913.927 914.079 914.231 914.383 914.535 914.687 914.839 914.991 915.143 915.295 915.447 915.599 915.751 915.903 916.055 916.207 916.359 916.511 916.663 916.815 916.967 917.119 917.271 917.423 917.575 917.727 917.879 918.031 918.183 918.335 918.487 918.639 918.791 918.943 919.095 919.247 919.399 919.551
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LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

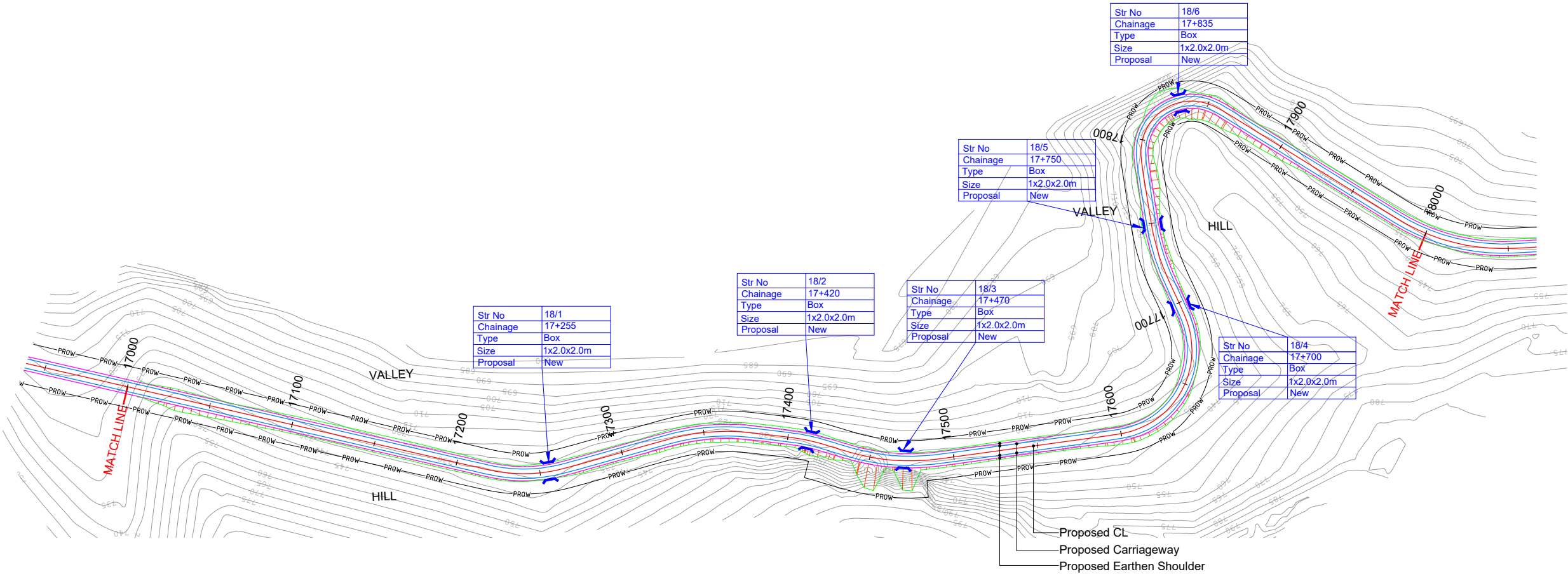
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 130 AT CH. 17242.399				HIP NO. 131 AT CH. 17353.742				HIP NO. 132 AT CH. 17411.579				HIP NO. 133 AT CH. 17463.99				HIP NO. 134 AT CH. 17645.451				HIP NO. 135 AT CH. 17732.643				HIP NO. 136 AT CH. 17822.348			
X = 665761.901		Y = 3191616.692		X = 665653.603		Y = 3191590.038		X = 665596.046		Y = 3191596.358		X = 665545.289		Y = 3191609.976		X = 665356.249		Y = 3191578.084		X = 665388.276		Y = 3191485.86		X = 665393.855		Y = 3191386.716	
R (m)	90	Ls (m)	15	R (m)	125	Ls (m)	15	R (m)	90	Ls (m)	15	R (m)	125	Ls (m)	15	R (m)	50	Ls (m)	15	R (m)	125	Ls (m)	15	R (m)	30	Ls (m)	15
Dc(deg)	19.0375	S(m)	0.1	Dc(deg)	15.6349	S(m)	0.08	Dc(deg)	0.4189	S(m)	0.1	Dc(deg)	17.8039	S(m)	0.08	Dc(deg)	89.7206	S(m)	0.19	Dc(deg)	8.8657	S(m)	0.08	Dc(deg)	102.1087	S(m)	0.31
Lc(m)	29.9	Ts(deg)	4.7746	Lc(m)	34.11	Ts(deg)	3.4377	Lc(m)	0.66	Ts(deg)	4.7746	Lc(m)	38.84	Ts(deg)	3.4377	Lc(m)	78.3	Ts(deg)	8.5944	Lc(m)	19.34	Ts(deg)	3.4377	Lc(m)	53.46	Ts(deg)	14.3239
Ts(m)	30.453	Δ(deg)	28.5868	Ts(m)	32.391	Δ(deg)	22.5104	Ts(m)	15.356	Δ(deg)	9.9682	Ts(m)	34.862	Δ(deg)	24.6794	Ts(m)	75.21	Δ(deg)	106.9093	Ts(m)	24.79	Δ(deg)	15.7412	Ts(m)	73.621	Δ(deg)	130.7566
Es(m)	2.978	e(%)	7.90%	Es(m)	2.533	e(%)	8.89%	Es(m)	0.442	e(%)	7.90%	Es(m)	3.038	e(%)	8.89%	Es(m)	34.288	e(%)	10.00%	Es(m)	1.269	e(%)	8.89%	Es(m)	42.751	e(%)	10.00%
V(km/hr)	40	We(m)	0.9	V(km/hr)	50	We(m)	0.6	V(km/hr)	40	We(m)	0.9	V(km/hr)	50	We(m)	0.6	V(km/hr)	40	We(m)	1.2	V(km/hr)	50	We(m)	0.6	V(km/hr)	30	We(m)	1.5
CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT		

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

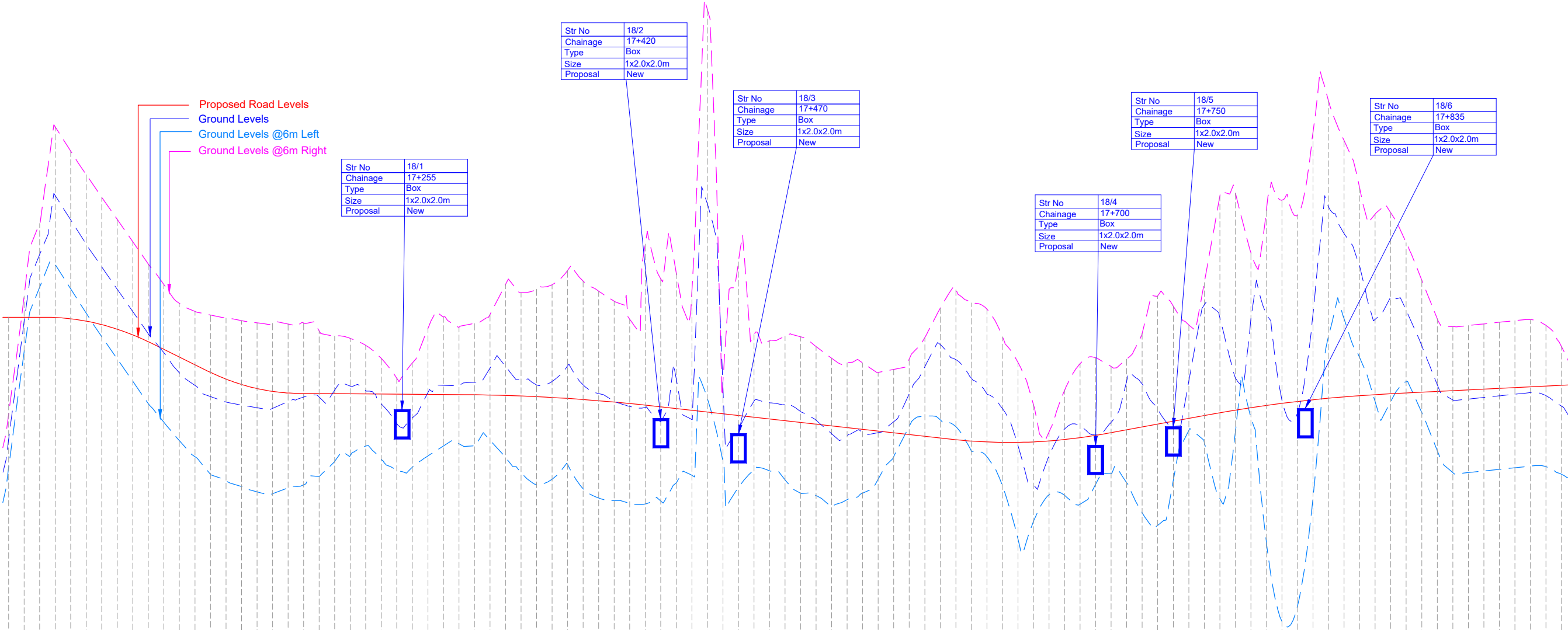
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



DATUM = 710

Proposed Road Levels																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

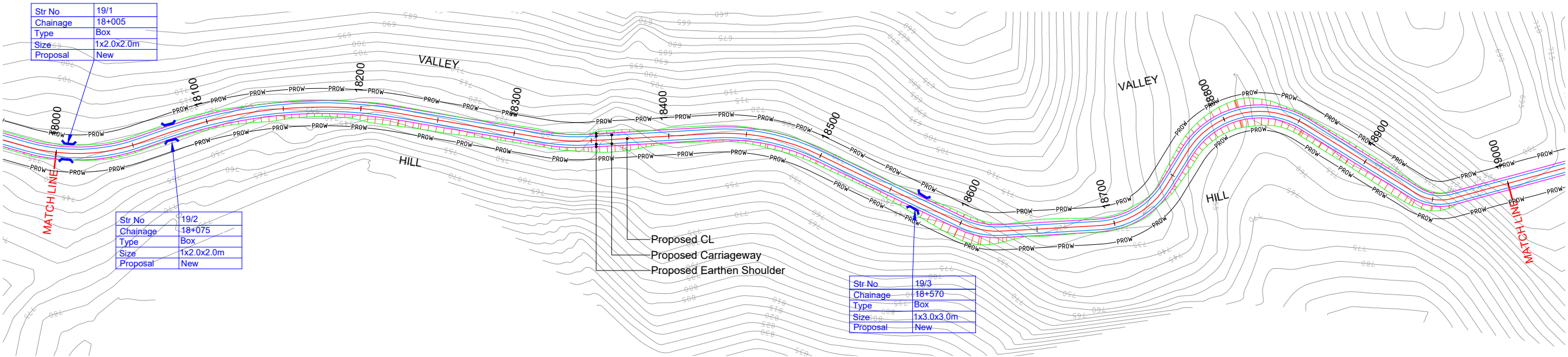
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 137 AT CH. 18016.967				HIP NO. 138 AT CH. 18150.497				HIP NO. 139 AT CH. 18334.07				HIP NO. 140 AT CH. 18463.546				HIP NO. 141 AT CH. 18613.702				HIP NO. 142 AT CH. 18716.379				HIP NO. 143 AT CH. 18810.968				HIP NO. 144 AT CH. 18950.578			
X = 665214.578	Y = 3191486.524			X = 665078.445	Y = 3191479.877			X = 664911.731	Y = 3191560.607			X = 664784.688	Y = 3191589.616			X = 664672.112	Y = 3191690.615			X = 664569.509	Y = 3191714.027			X = 664489.057	Y = 3191640.762			X = 664387.174	Y = 3191753.989		
R (m)	120	Ls (m)		R (m)	300	Ls (m)		R (m)	120	Ls (m)		R (m)	140	Ls (m)		R (m)	55	Ls (m)		R (m)	55	Ls (m)		R (m)	55	Ls (m)		R (m)	30	Ls (m)	
Dc(deg)	34.8139	S(m)		Dc(deg)	28.6336	S(m)		Dc(deg)	12.9756	S(m)		Dc(deg)	29.035	S(m)		Dc(deg)	29.0438	S(m)		Dc(deg)	55.1769	S(m)		Dc(deg)	90.3419	S(m)		Dc(deg)	46.994	S(m)	
Lc(m)	72.91	Ts(deg)		Lc(m)	149.92	Ts(deg)		Lc(m)	27.18	Ts(deg)		Lc(m)	70.95	Ts(deg)		Lc(m)	27.88	Ts(deg)		Lc(m)	52.97	Ts(deg)		Lc(m)	86.72	Ts(deg)		Lc(m)	24.61	Ts(deg)	
Ts(m)	37.622	Δ(deg)	34.8139	Ts(m)	76.563	Δ(deg)	28.6336	Ts(m)	13.646	Δ(deg)	12.9756	Ts(m)	36.252	Δ(deg)	29.035	Ts(m)	14.246	Δ(deg)	29.0438	Ts(m)	28.739	Δ(deg)	55.1769	Ts(m)	55.329	Δ(deg)	90.3419	Ts(m)	13.043	Δ(deg)	46.994
Es(m)	5.759	e(%)	9.26%	Es(m)	9.616	e(%)	3.70%	Es(m)	0.773	e(%)	9.26%	Es(m)	4.617	e(%)	7.94%	Es(m)	1.815	e(%)	10.00%	Es(m)	7.056	e(%)	10.00%	Es(m)	23.015	e(%)	10.00%	Es(m)	2.712	e(%)	10.00%
V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	40	We(m)	1.2	V(km/hr)	40	We(m)	1.2	V(km/hr)	40	We(m)	1.2	V(km/hr)	30	We(m)	1.5
CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT		

PLAN:-

PROFILE:-

PROP. ROAD LEVEL ————

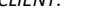
EXISTING GROUND LEVEL - - - -

GROUND LEVEL @6M LEFT - - - -

GROUND LEVEL @6M RIGHT - - - -

Str No	19/3
Chainage	18+570
Type	Box
Size	1x3.0x3.0m
Proposal	New

Chainage	Horizontal Alignment	Vertical Alignment	Ground Levels @6m Right	Ground Levels @6m Left	Ground Levels	Proposed Road Levels
-18000.000-			731.820	724.585	728.973	730.317
-18010.000-			731.341	724.619	727.602	730.367
-18020.000-			733.038	724.812	728.431	730.417
-18030.000-			734.293	725.238	729.691	730.467
-18040.000-			734.731	725.608	730.147	730.516
-18050.000-			734.538	725.395	729.360	730.566
-18060.000-			734.254	724.747	729.943	730.616
-18070.000-			734.091	724.131	728.820	730.666
-18080.000-			734.308	723.560	728.820	730.716
-18090.000-			734.776	723.804	729.289	730.765
-18100.000-			735.554	724.618	730.116	730.815
-18110.000-			736.676	725.687	731.207	730.865
-18120.000-			738.375	727.074	732.642	730.915
-18130.000-			740.517	729.053	734.760	730.965
-18140.000-			742.315	729.371	735.734	731.014
-18150.000-			740.760	728.628	734.635	731.064
-18160.000-			739.334	727.598	733.288	731.114
-18170.000-			738.754	727.980	733.261	731.164
-18180.000-			738.938	728.644	733.888	731.213
-18190.000-			738.802	729.065	734.280	731.263
-18200.000-	743.263	730.496	736.007	731.313		
-18210.000-	745.468	731.669	738.624	731.363		
-18220.000-	745.040	731.979	738.585	731.413		
-18230.000-	743.330	731.191	737.260	731.462		
-18240.000-	743.021	730.883	736.952	731.556		
-18250.000-	742.368	730.505	736.525	731.590		
-18260.000-	741.292	729.679	735.518	731.616		
-18270.000-	739.784	728.654	734.257	731.632		
-18280.000-	738.566	727.102	732.781	731.638		
-18290.000-	738.308	726.742	732.572	731.636		
-18300.000-	737.856	726.627	732.241	731.624		
-18310.000-	737.522	726.617	732.079	731.602		
-18320.000-	739.288	728.787	734.055	731.572		
-18330.000-	739.350	729.794	734.845	731.532		
-18340.000-	743.903	730.461	740.228	731.483		
-18350.000-	746.300	736.952	744.249	731.425		
-18360.000-	744.920	737.720	742.279	731.357		
-18370.000-	740.641	734.804	737.876	731.281		
-18380.000-	736.454	730.353	733.532	731.195		
-18390.000-	733.906	726.045	730.478	731.105		
-18400.000-	734.162	725.460	729.912	731.016		
-18410.000-	734.746	725.696	730.420	730.927		
-18420.000-	735.148	725.889	730.550	730.837		
-18430.000-	735.763	726.331	731.035	730.748		
-18440.000-	737.092	727.303	732.184	730.659		
-18450.000-	738.817	728.801	733.807	730.569		
-18460.000-	739.600	729.508	734.543	730.480		
-18470.000-	738.868	729.313	733.930	730.391		
-18480.000-	738.105	728.400	733.287	730.301		
-18490.000-	737.759	727.827	732.820	730.212		
-18500.000-	737.342	727.674	732.644	730.123		
-18510.000-	736.768	727.520	732.323	730.034		
-18520.000-	736.196	727.275	731.750	729.944		
-18530.000-	736.610	726.698	731.177	729.855		
-18540.000-	738.568	727.168	732.805	729.766		
-18550.000-	740.700	729.077	734.887	729.676		
-18560.000-	742.808	731.110	736.934	729.587		
-18570.000-	745.275	733.183	739.117	729.498		
-18580.000-	746.888	735.403	740.546	729.408		
-18590.000-	748.305	736.460	741.585	729.319		
-18600.000-	747.843	736.313	741.251	729.230		
-18610.000-	743.094	733.158	738.197	729.140		
-18620.000-	737.090	729.512	733.519	729.051		
-18630.000-	731.205	724.745	728.143	728.962		
-18640.000-	727.219	721.110	724.043	728.905		
-18650.000-	727.570	721.436	724.373	728.927		
-18660.000-	728.645	722.349	725.572	729.029		
-18670.000-	729.916	723.940	726.977	729.211		
-18680.000-	730.888	725.208	727.960	729.472		
-18690.000-	731.096	725.696	728.400	729.814		
-18700.000-	729.857	724.711	727.257	730.235		
-18710.000-	727.988	726.849	725.950	730.735		
-18720.000-	730.079	731.264	730.950	731.284		
-18730.000-	736.019	735.877	736.190	731.833		
-18740.000-	740.591	739.617	740.269	732.381		
-18750.000-	743.732	741.778	743.063	732.930		
-18760.000-	746.035	743.999	744.879	733.479		
-18770.000-	747.271	746.561	747.024	734.028		
-18780.000-	749.874	749.429	749.758	734.576		
-18790.000-	751.848	752.293	752.049	735.125		
-18800.000-	754.184	755.083	754.715	735.674		
-18810.000-	754.478	754.660	754.171	736.158		
-18820.000-	751.877	749.798	749.620	736.525		
-18830.000-	750.505	742.754	745.909	736.775		
-18840.000-	750.311	739.598	745.077	736.907		
-18850.000-	750.540	739.825	745.756	736.921		
-18860.000-	750.752	740.678	746.318	736.818		
-18870.000-	750.205	741.239	746.949	736.662		
-18880.000-	749.875	742.258	746.570	736.506		
-18890.000-	750.612	741.976	746.336	736.361		
-18900.000-	751.068	741.783	746.767	736.239		
-18910.000-	752.002	741.404	746.746	736.140		
-18920.000-	750.825	740.312	745.589	736.062		
-18930.000-	749.394	739.138	744.405	736.007		
-18940.000-	746.898	738.191	742.501	735.974		
-18950.000-	741.634	733.450	727.535	735.964		
-18960.000-	732.953	724.459	728.713	735.964		
-18970.000-	722.745	714.592	718.745	735.964		
-18980.000-	713.421	705.488	709.459	735.964		
-18990.000-	707.165	702.856	704.438	735.964		

R7	AUG 2023	FINAL DPR	 CLIENT: National Highways & Infrastructure Development Corporation Limited. 3rd Floor, PTI building, 4-Parliament Street, New Delhi-110001	PROJECT: Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'	DPR CONSULTANT:  Shweta Technophile Consultants Pvt. Ltd. (222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)	DRAWN BY	ASHISH RAWAT	TITLE: PLAN AND PROFILE FROM CH:18+000 TO CH:19+000	DRAWING NO. NHIDCL/PANGO-JORGING/STC/PP- 36	A3
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT				DESIGN BY	RAM SONKAR			
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT				CHECKED BY	GEETA JINDAL			
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT				HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200			
R3	JULY 2018	DETAILED PROJECT REPORT								
REV.	DATE	DESCRIPTION OF REVISIONS								

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

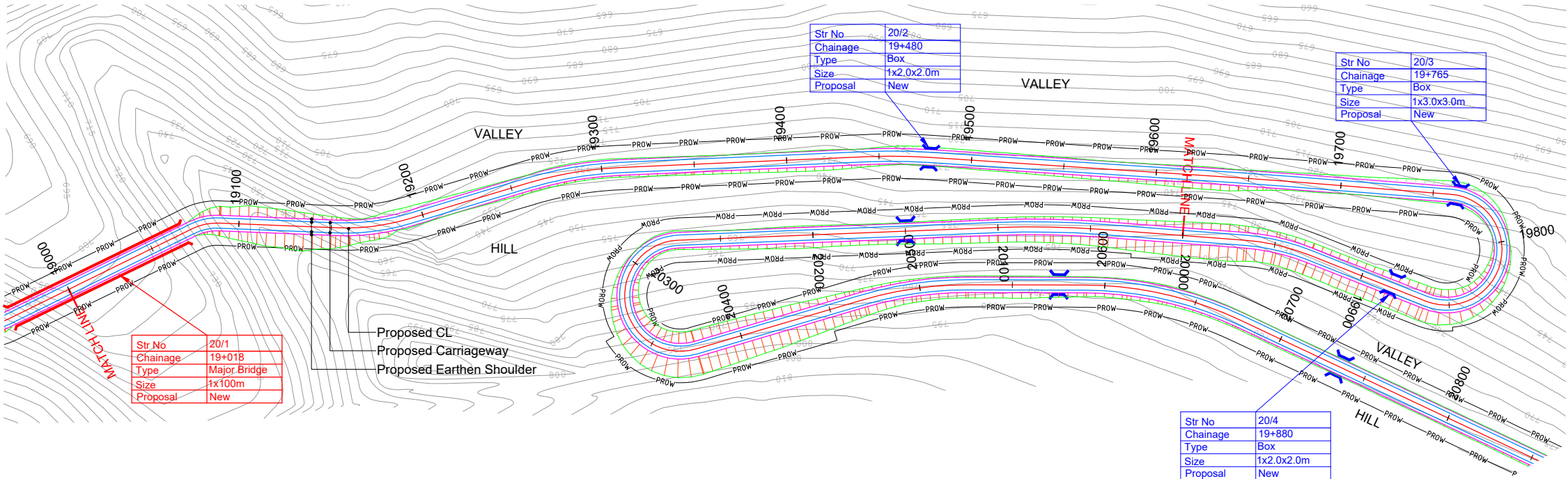
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 145 AT CH. 19081.84				HIP NO. 146 AT CH. 19172.438				HIP NO. 147 AT CH. 19284.693				HIP NO. 148 AT CH. 19460.269				HIP NO. 149 AT CH. 19658.147				HIP NO. 150 AT CH. 19811.131				HIP NO. 151 AT CH. 19948.405			
X = 664255.037 Y = 3191756.351				X = 664175.892 Y = 3191801.141				X = 664065.217 Y = 3191821.682				X = 663905.51 Y = 3191894.967				X = 663735.769 Y = 3191996.703				X = 663819.671 Y = 3191944.876				X = 663744.402 Y = 3192030.748			
R (m)	30	Ls (m)		R (m)	120	Ls (m)		R (m)	200	Ls (m)		R (m)	300	Ls (m)		R (m)	2000	Ls (m)		R (m)	30	Ls (m)		R (m)	120	Ls (m)	
Dc(deg)	28.4817	S(m)		Dc(deg)	18.9921	S(m)		Dc(deg)	14.1352	S(m)		Dc(deg)	6.2878	S(m)		Dc(deg)	0.767	S(m)		Dc(deg)	197.0612	S(m)		Dc(deg)	17.2432	S(m)	
Lc(m)	14.91	Ts(deg)		Lc(m)	39.78	Ts(deg)		Lc(m)	49.34	Ts(deg)		Lc(m)	32.92	Ts(deg)		Lc(m)	26.78	Ts(deg)		Lc(m)	103.18	Ts(deg)		Lc(m)	36.11	Ts(deg)	
Ts(m)	7.614	Δ(deg)	28.4817	Ts(m)	20.073	Δ(deg)	18.9921	Ts(m)	24.796	Δ(deg)	14.1352	Ts(m)	16.478	Δ(deg)	6.2878	Ts(m)	13.388	Δ(deg)	0.767	Ts(m)	-200.00	Δ(deg)	197.0612	Ts(m)	18.195	Δ(deg)	17.2432
Es(m)	0.951	e(%)	10.00%	Es(m)	1.667	e(%)	9.26%	Es(m)	1.531	e(%)	5.56%	Es(m)	0.452	e(%)	3.70%	Es(m)	0.045	e(%)	-2.50%	Es(m)	-232.24	e(%)	10.00%	Es(m)	1.371	e(%)	9.26%
V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	Nil	V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.6
CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT			CurveType	RIGHT		

PLAN:-

CULVERT	
MAJOR/MINOR BRIDGE	

PROFILE:-

PROP. ROAD LEVEL ————

EXISTING GROUND LEVEL - - - -

GROUND LEVEL @6M LEFT - - - -

GROUND LEVEL @6M RIGHT - - - -

Str No	20/1
Chainage	19+018
Type	Major Bridge
Size	1x100m
Proposal	New

Proposed Road Levels

Ground Levels

Ground Levels @6m Left

Ground Levels @6m Right

Str No	20/2
Chainage	19+480
Type	Box
Size	1x2.0x2.0m
Proposal	New

Str No	20/4
Chainage	19+880
Type	Box
Size	1x2.0x2.0m
Proposal	New

Str No	20/3
Chainage	19+765
Type	Box
Size	1x3.0x3.0m
Proposal	New

DATUM = 710

DATUM = 720

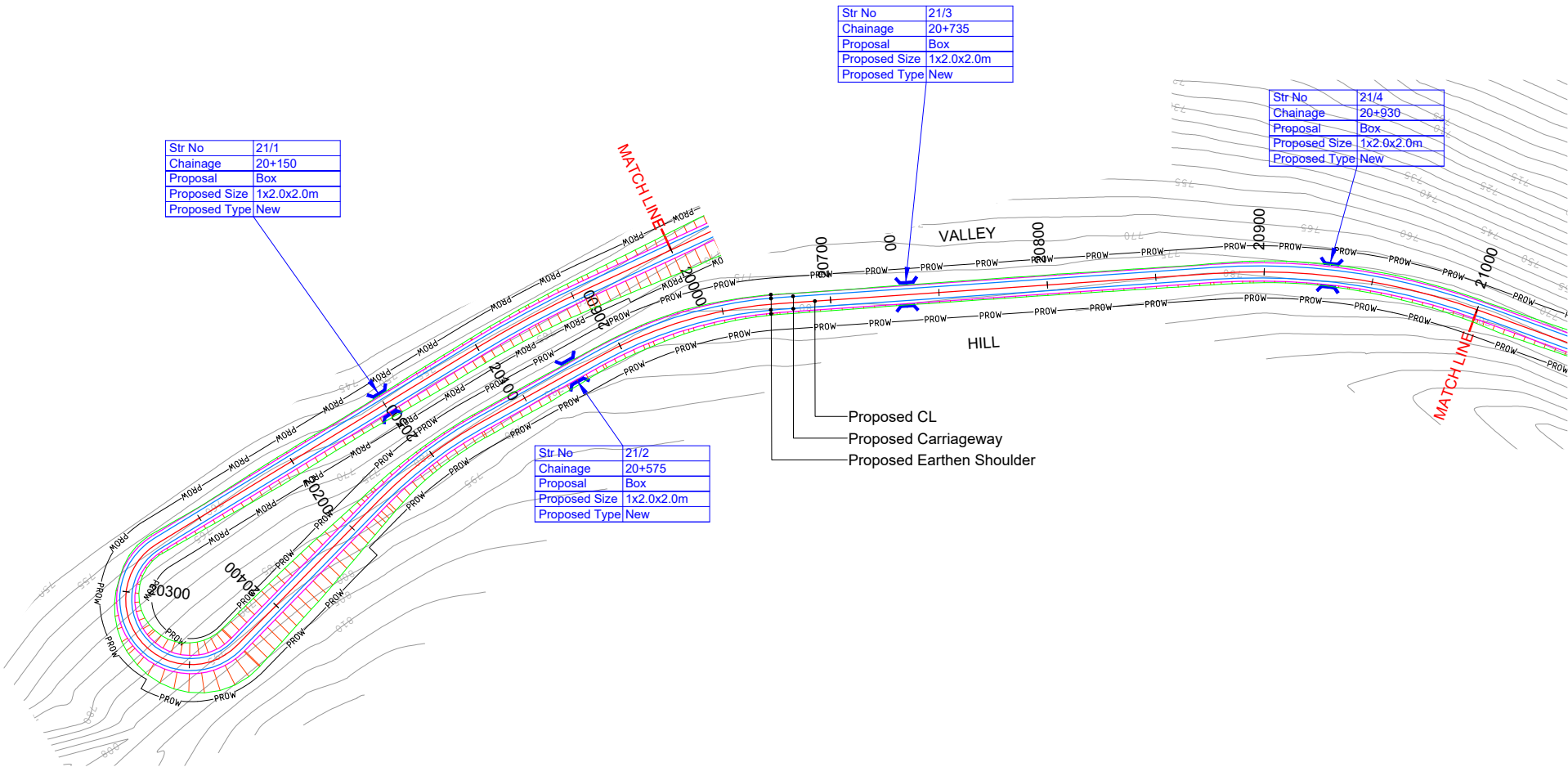
[illegible]

R7	AUG 2023	FINAL DPR	CLIENT:  National Highways & Infrastructure Development Corporation Limited. 3rd Floor, PTI building, 4-Parliament Street, New Delhi-110001	PROJECT: Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'	DPR CONSULTANT:  Shweta Technophile Consultants Pvt. Ltd. (222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)	DRAWN BY	ASHISH RAWAT	TITLE: PLAN AND PROFILE FROM CH:19+000 TO CH:20+000
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT				DESIGN BY	RAM SONKAR	
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT				CHECKED BY	GEETA JINDAL	
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT				HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200	
R3	JULY 2018	DETAILED PROJECT REPORT						DRAWING NO.
REV.	DATE	DESCRIPTION OF REVISIONS						NHIDCL/PANGO-JORGING/STC/PP- 37a

LEGEND

PLAN:-
PROP.CENTER LINE
PROP.CARRIAGEWAY EDGE
PROP.EARTHEN SHOULDER
TOE LINE
PROP.RIGHT OF WAY
CULVERT
MAJOR/MINOR BRIDGE

PROFILE:-
PROP.ROAD LEVEL
EXISTING GROUND LEVEL
GROUND LEVEL @6M LEFT
GROUND LEVEL @6M RIGHT



HIP NO. 152 AT CH. 20071.552				HIP NO. 153 AT CH. 20323.718				HIP NO. 154 AT CH. 20497.28				HIP NO. 155 AT CH. 20632.492				HIP NO. 156 AT CH. 20939.259			
X = 663849.523	Y = 3191966.276			X = 663813.039	Y = 3191983.208			X = 663929.615	Y = 3191961.098			X = 663808.641	Y = 3192023.52			X = 663620.483	Y = 3192267.888		
R (m)	500	Ls (m)		R (m)	30	Ls (m)		R (m)	200	Ls (m)		R (m)	200	Ls (m)		R (m)	300	Ls (m)	
Dc(deg)	6.6248	S(m)		Dc(deg)	194.1582	S(m)		Dc(deg)	16.5542	S(m)		Dc(deg)	25.1107	S(m)		Dc(deg)	23.964	S(m)	
Lc(m)	57.81	Ts(deg)		Lc(m)	101.66	Ts(deg)		Lc(m)	57.78	Ts(deg)		Lc(m)	87.65	Ts(deg)		Lc(m)	125.47	Ts(deg)	
Ts(m)	28.938	Δ(deg)	6.6248	Ts(m)	-241.573	Δ(deg)	194.1582	Ts(m)	29.095	Δ(deg)	16.5542	Ts(m)	44.542	Δ(deg)	25.1107	Ts(m)	63.668	Δ(deg)	23.964
Es(m)	0.837	e(%)	-2.50%	Es(m)	-273.428	e(%)	10.00%	Es(m)	2.105	e(%)	5.56%	Es(m)	4.9	e(%)	5.56%	Es(m)	6.682	e(%)	3.70%
V(km/hr)	50	We(m)	Nil	V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6
CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT		

R7	AUG 2023	FINAL DPR
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT
R3	JULY 2018	DETAILED PROJECT REPORT
REV.	DATE	DESCRIPTION OF REVISIONS

CLIENT:



National Highways & Infrastructure Development Corporation Limited.
3rd Floor, PTI building, 4-Parliament Street, New Delhi-110001

PROJECT:

Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'

DPR CONSULTANT:



Shweta Technophile Consultants Pvt. Ltd.
(222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)

DRAWN BY	ASHISH RAWAT
DESIGN BY	RAM SONKAR
CHECKED BY	GEETA JINDAL
HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200

TITLE:

PLAN AND PROFILE
FROM CH:20+000 TO CH:21+000

DRAWING NO.
NHIDCL/PANGO-JORGING/STC/PP- 38

A3

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP EARTHEN SHOULDER

TOE LINE

PROF. RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @ 6M FEET - - - -

GROUND LEVEL @ CM RIGHT



Str No	21/2
Chainage	20+575
Proposal	Box
Proposed Size	1x2.0x2.0m
Proposed Type	New

Str No	21/3
Chainage	20+735
Proposal	Box
Proposed Size	1x2.0x2.0m
Proposed Type	New

Str No	21/4
Chainage	20+930
Proposal	Box
Proposed Size	1x2.0x2.0m
Proposed Type	New

R7	AUG 2023	FINAL DPR
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT
R3	JULY 2018	DETAILED PROJECT REPORT
REV.	DATE	DESCRIPTION OF REVISIONS

CLIENT:



**National Highways & Infrastructure
Development Corporation Limited.**
3rd Floor, PTI building, 4-Parliament
Street, New Delhi-110001

PROJECT:

Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'

DPR CONSULTANT:



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(222-223,313, Rajhans Plaza,
Ahinsa Khand-I, Indirapuram,
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DRAWN BY	ASHISH RAWAT
DESIGN BY	RAM SONKAR
CHECKED BY	GEETA JINDAL
HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200

TITLE:

PLAN AND PROFILE
FROM CH:20+000 TO CH:21+000

DRAWING NO.

NHIDCL/PANGO-JORGING/STC/PP- 39

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

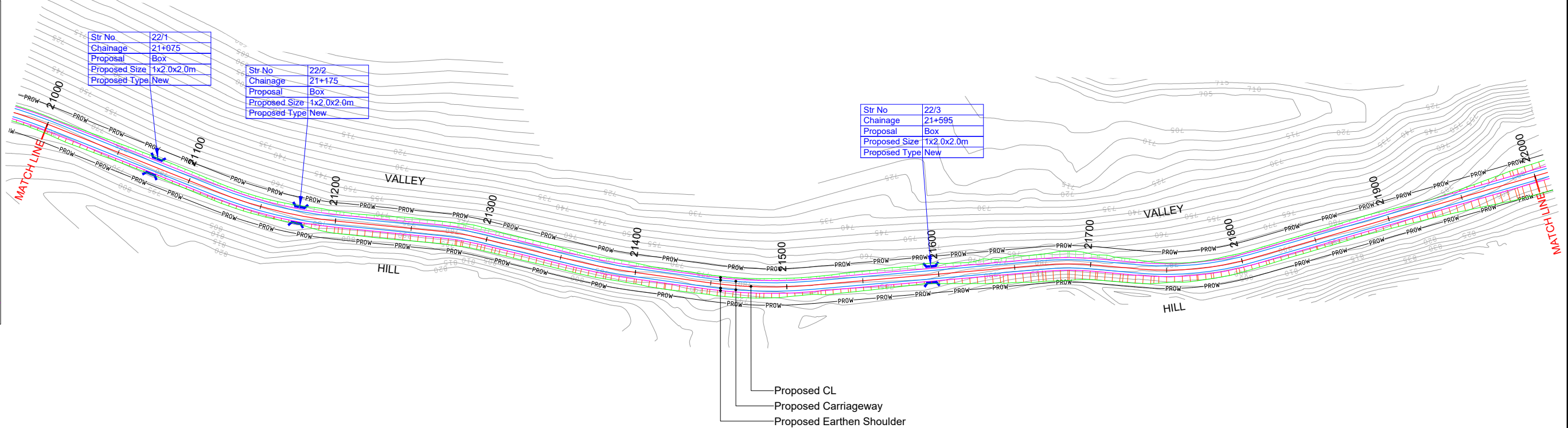
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 157 AT CH. 21160.351				HIP NO. 158 AT CH. 21283.783				HIP NO. 159 AT CH. 21381.473				HIP NO. 160 AT CH. 21482.268				HIP NO. 161 AT CH. 21685.941				HIP NO. 162 AT CH. 21769.396			
X = 663568.092		Y = 3192483.926		X = 663506.795		Y = 3192591.408		X = 663470.536		Y = 3192682.161		X = 663423.982		Y = 3192771.742		X = 663291.837		Y = 3192926.982		X = 663248.393		Y = 3192998.473	
R (m)	300	Ls (m)		R (m)	200	Ls (m)		R (m)	400	Ls (m)		R (m)	300	Ls (m)		R (m)	200	Ls (m)		R (m)	200	Ls (m)	20
Dc(deg)	16.0646	S(m)		Dc(deg)	7.9183	S(m)		Dc(deg)	5.6829	S(m)		Dc(deg)	12.9445	S(m)		Dc(deg)	10.2943	S(m)		Dc(deg)	15.754	S(m)	0.08
Lc(m)	84.11	Ts(deg)		Lc(m)	27.64	Ts(deg)		Lc(m)	39.67	Ts(deg)		Lc(m)	67.78	Ts(deg)		Lc(m)	35.93	Ts(deg)		Lc(m)	54.99	Ts(deg)	2.8648
Ts(m)	42.335	Δ(deg)	16.0646	Ts(m)	13.842	Δ(deg)	7.9183	Ts(m)	19.853	Δ(deg)	5.6829	Ts(m)	34.033	Δ(deg)	12.9445	Ts(m)	18.015	Δ(deg)	10.2943	Ts(m)	47.956	Δ(deg)	21.4836
Es(m)	2.972	e(%)	3.70%	Es(m)	0.478	e(%)	5.56%	Es(m)	0.492	e(%)	2.78%	Es(m)	1.924	e(%)	3.70%	Es(m)	0.81	e(%)	5.56%	Es(m)	3.649	e(%)	5.56%
V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	Nil	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6
CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT		

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

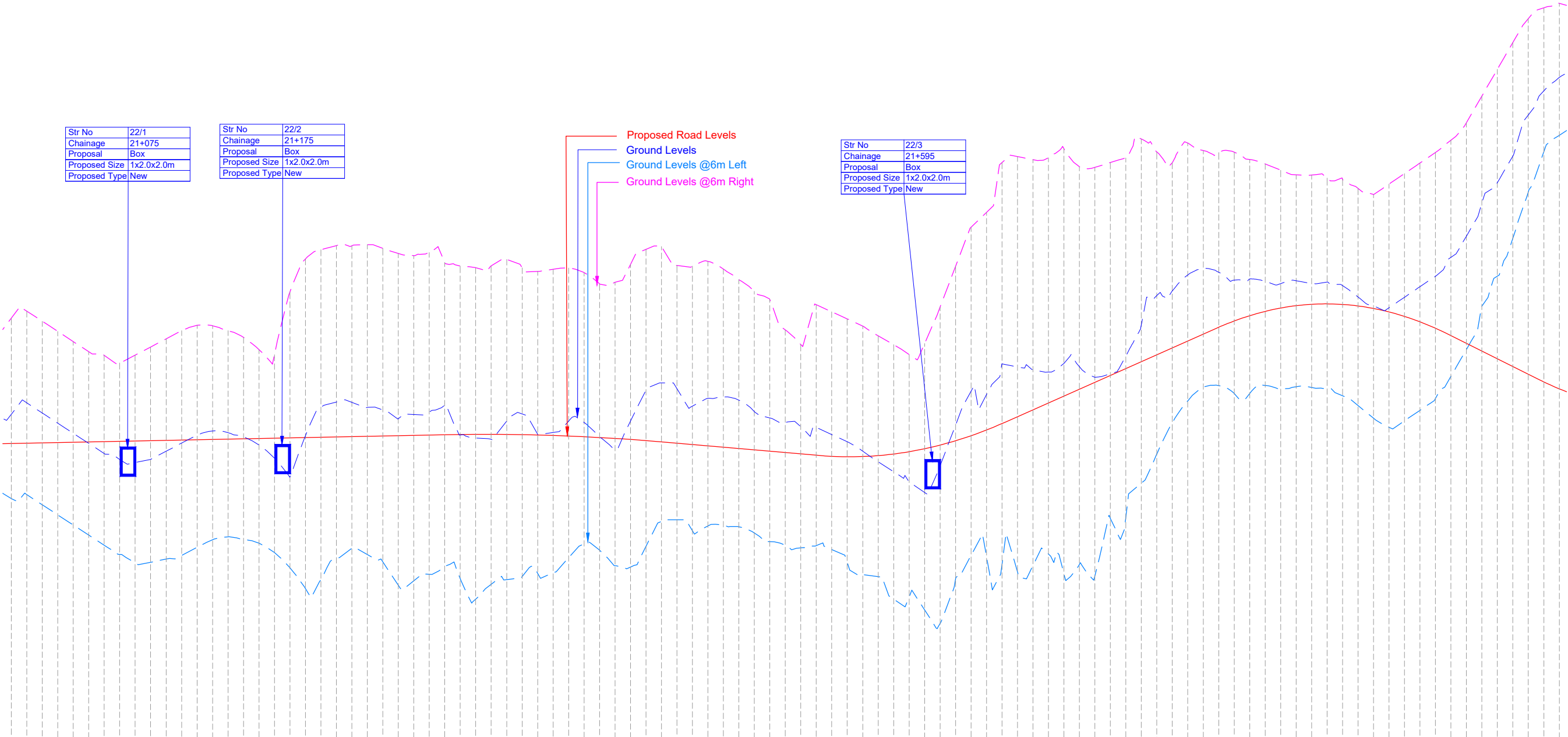
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT

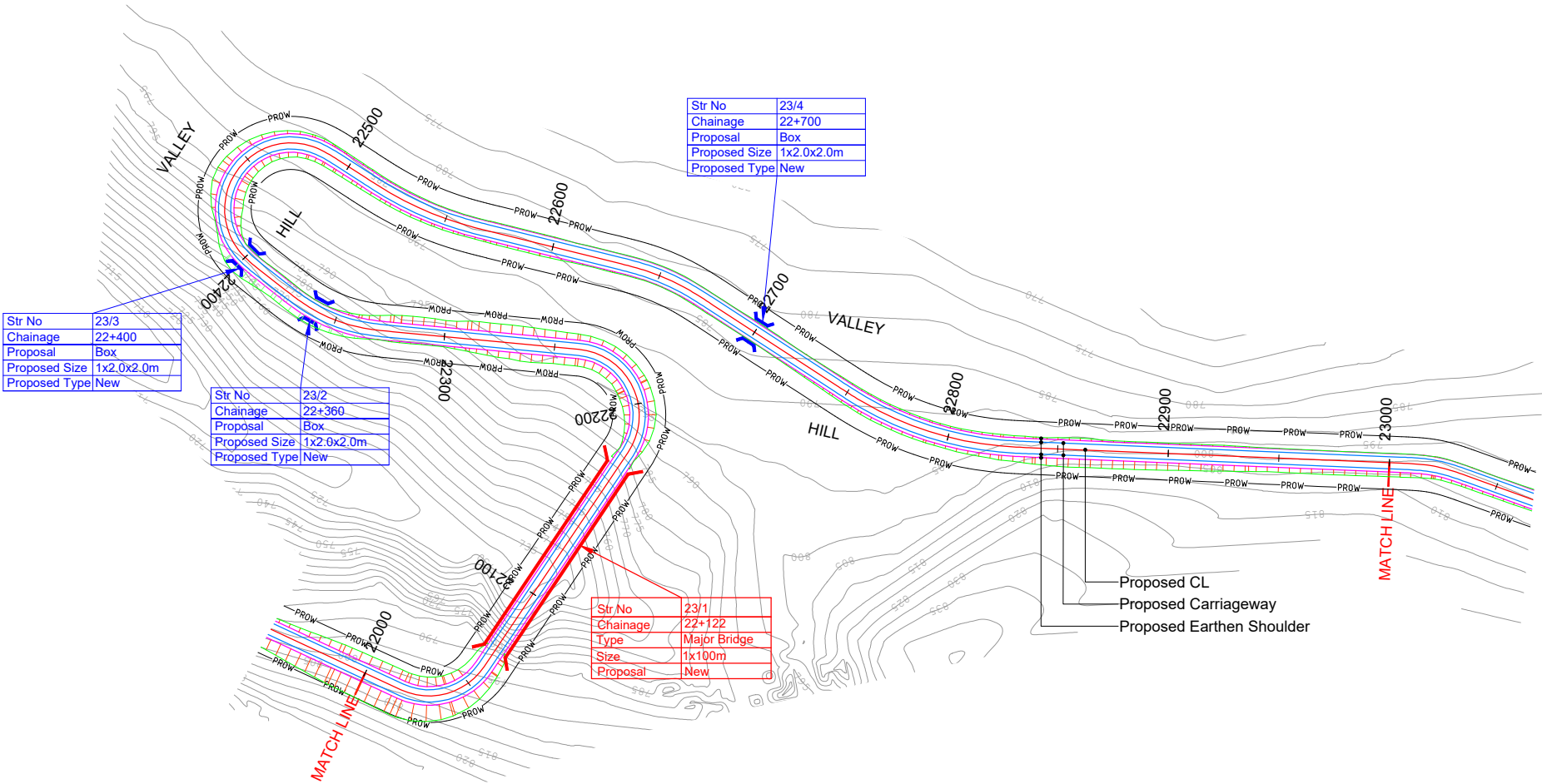


Proposed Road Levels			779.112	779.132	779.152	779.172	779.192	779.212	779.232	779.252	779.272	779.292	779.312	779.332	779.352	779.372	779.392	779.412	779.432	779.452	779.472	779.492	779.512	779.532	779.552	779.572	779.592	779.612	779.632	779.652	779.672	779.689	779.698	779.700	779.694	779.680	779.659	779.631	779.594	779.550	779.499	779.440	779.373	779.299	779.217	779.131	779.045	778.958	778.872	778.786	778.700	778.613	778.527	778.441	778.355	778.269	778.183	778.097	778.011	777.925	777.839	777.753	777.667	777.581	777.495	777.409	777.323	777.237	777.151	777.065	776.979	776.893	776.807	776.721	776.635	776.549	776.463	776.377	776.291	776.205	776.119	776.033	775.947	775.861	775.775	775.689	775.603	775.517	775.431	775.345	775.259	775.173	775.087	775.001	774.915	774.829	774.743	774.657	774.571	774.485	774.399	774.313	774.227	774.141	774.055	773.969	773.883	773.797	773.711	773.625	773.539	773.453	773.367	773.281	773.195	773.109	773.023	772.937	772.851	772.765	772.679	772.593	772.507	772.421	772.335	772.249	772.163	772.077	771.991	771.905	771.819	771.733	771.647	771.561	771.475	771.389	771.303	771.217	771.131	771.045	770.959	770.873	770.787	770.701	770.615	770.529	770.443	770.357	770.271	770.185	770.099	770.013	769.927	769.841	769.755	769.669	769.583	769.497	769.411	769.325	769.239	769.153	769.067	768.981	768.895	768.809	768.723	768.637	768.551	768.465	768.379	768.293	768.207	768.121	768.035	767.949	767.863	767.777	767.691	767.605	767.519	767.433	767.347	767.261	767.175	767.089	767.003	766.917	766.831	766.745	766.659	766.573	766.487	766.401	766.315	766.229	766.143	766.057	765.971	765.885	765.799	765.713	765.627	765.541	765.455	765.369	765.283	765.197	765.111	765.025	764.939	764.853	764.767	764.681	764.595	764.509	764.423	764.337	764.251	764.165	764.079	763.993	763.907	763.821	763.735	763.649	763.563	763.477	763.391	763.305	763.219	763.133	763.047	762.961	762.875	762.789	762.703	762.617	762.531	762.445	762.359	762.273	762.187	762.101	762.015	761.929	761.843	761.757	761.671	761.585	761.499	761.413	761.327	761.241	761.155	761.069	760.983	760.897	760.811	760.725	760.639	760.553	760.467	760.381	760.295	760.209	760.123	760.037	759.951	759.865	759.779	759.693	759.607	759.521	759.435	759.349	759.263	759.177	759.091	759.005	758.919	758.833	758.747	758.661	758.575	758.489	758.403	758.317	758.231	758.145	758.059	757.973	757.887	757.801	757.715	757.629	757.543	757.457	757.371	757.285	757.199	757.113	757.027	756.941	756.855	756.769	756.683	756.597	756.511	756.425	756.339	756.253	756.167	756.081	755.995	755.909	755.823	755.737	755.651	755.565	755.479	755.393	755.307	755.221	755.135	755.049	754.963	754.877	754.791	754.705	754.619	754.533	754.447	754.361	754.275	754.189	754.103	754.017	753.931	753.845	753.759	753.673	753.587	753.501	753.415	753.329	753.243	753.157	753.071	752.985	752.899	752.813	752.727	752.641	752.555	752.469	752.383	752.297	752.211	752.125	752.039	751.953	751.867	751.781	751.695	751.609	751.523	751.437	751.351	751.265	751.179	751.093	751.007	750.921	750.835	750.749	750.663	750.577	750.491	750.405	750.319	750.233	750.147	750.061	749.975	749.889	749.803	749.717	749.631	749.545	749.459	749.373	749.287	749.201	749.115	749.029	748.943	748.857	748.771	748.685	748.599	748.513	748.427	748.341	748.255	748.169	748.083	747.997	747.911	747.825	747.739	747.653	747.567	747.481	747.395	747.309	747.223	747.137	747.051	746.965	746.879	746.793	746.707	746.621	746.535	746.449	746.363	746.277	746.191	746.105	746.019	745.933	745.847	745.761	745.675	745.589	745.503	745.417	745.331	745.245	745.159	745.073	744.987	744.901	744.815	744.729	744.643	744.557	744.471	744.385	744.299	744.213	744.127	744.041	743.955	743.869	743.783	743.697	743.611	743.525	743.439	743.353	743.267	743.181	743.095	743.009	742.923	742.837	742.751	742.665	742.579	742.493	742.407	742.321	742.235	742.149	742.063	741.977	741.891	741.805	741.719	741.633	741.547	741.461	741.375	741.289	741.203	741.117	741.031	740.945	740.859	740.773	740.687	740.601	740.515	740.429	740.343	740.257	740.171	740.085	740.000	739.914	739.828	739.742	739.656	739.570	739.484	739.398	739.312	739.226	739.140	739.054	738.968	738.882	738.796	738.710	738.624	738.538	738.452	738.366	738.280	738.194	738.108	738.022	737.936	737.850	737.764	737.678	737.592	737.506	737.420	737.334	737.248	737.162	737.076	736.990	736.904	736.818	736.732	736.646	736.560	736.474	736.388	736.302	736.216	736.130	736.044	735.958	735.872	735.786	735.700	735.614	735.528	735.442	735.356	735.270	735.184	735.098	735.012	734.926	734.840	734.754	734.668	734.582	734.496	734.410	734.324	734.238	734.152	734.066	733.980	733.894	733.808	733.722	733.636	733.550	733.464	733.378	733.292	733.206	733.120	733.034	732.948	732.862	732.776	732.690	732.604	732.518	732.432	732.346	732.260	732.174	732.088	732.002	731.916	731.830	731.744	731.658	731.572	731.486	731.400	731.314	731.228	731.142	731.056	730.970	730.884	730.798	730.712	730.626	730.540	730.454	730.368	730.282	730.196	730.110	730.024	729.938	729.852	729.766	729.680	729.594	729.508	729.422	729.336	729.250	729.164	729.078	728.992	728.906	728.820	728.734	728.648	728.562	728.476	728.390	728.304	728.218	728.132	728.046	727.960	727.874	727.788	727.702	727.616	727.530	727.444	727.358	727.272	727.186	727.100	727.014	726.928	726.842	726.756	726.670	726.584	726.498	726.412	726.326	726.240	726.154	726.068	725.982	725.896	725.810	725.724	725.638	725.552	725.466	725.380	725.294	725.208	725.122	725.036	724.950	724.864	724.778	724.692	724.606	724.520	724.434	724.348	724.262	724.176	724.090	724.004	723.918	723.832	723.746	723.660	723.574	723.488	723.402	723.316	723.230	723.144	723.058	722.972	722.886	722.800	722.714	722.628	722.542	722.456	722.370	722.284	722.198	722.112	722.026	721.940	721.854	721.768	721.682	721.596	721.510	721.424	721.338	721.252	721.166	721.080	720.994	720.908	720.822	720.736	720.650	720.564	720.478	720.392	720.306	720.220	720.134	720.048	719.962	719.876	719.790	719.704	719.618	719.532	719.446	719.360	719.274	719.188	719.102	719.016	718.930	718.844	718.758	718.672	718.586	718.500	718.414	718.328	718.242	718.156	718.070	717.984	717.898	717.812	717.726	717.640	717.554	717.468	717.382	717.296	717.210	717.124	717.038	716.952	716.866	716.780	716.694	716.608	716.522	716.436	716.350	716.264	716.178	716.092	716.006	715.920	715.834	715.748	715.662	715.576	715.490	715.404	715.318	715.232	715.146	715.060	714.974	714.888	714.802	714.716	714.630	714.544	714.458	714.372	714.286	714.200	714.114	714.028	713.942	713.856	713.770	713.684	713.598	713.512	713.426	713.340	713.254	713.168	713.082	712.996	712.910	712.824	712.738	712.652	712.566	712.480	712.394	712.308	712.222	712.136	712.050	711.964	711.878	711.792	711.706	711.620	711.534	711.448	711.362	711.276	711.190	711.104	711.018	710.932	710.846	710.760	710.674	710.588	710.502	710.416	710.330	710.244	710.158	710.072	710.000	709.928	709.856	709.784	709.712	709.640	709.568	709.496	709.424	709.352	709.280	709.208	709.136	709.064	708.992	708.920	708.848	708.776	708.704	708.632	708.560	708.488	708.416	708.344	708.272	708.200	708.128	708.056	707.984	707.912	707.840	707.768	707.696	707.624	707.552	707.480	707.408	707.336	707.264	707.192	707.120	707.048	706.976	706.904	706.832	706.760	706.688	706.616	706.544	706.472	706.400	706.328	706.256	706.184	706.112	706.040	705.968	705.896	705.824	705.752	705.680	705.608	705.536	705.4640
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LEGEND

PLAN:-
PROP.CENTER LINE
PROP.CARRIAGEWAY EDGE
PROP.EARTHEN SHOULDER
TOE LINE
PROP.RIGHT OF WAY
CULVERT
MAJOR/MINOR BRIDGE

PROFILE:-
PROP.ROAD LEVEL
EXISTING GROUND LEVEL
GROUND LEVEL @6M LEFT
GROUND LEVEL @6M RIGHT



HIP NO. 163 AT CH. 22039.136				HIP NO. 164 AT CH. 22207.886				HIP NO. 165 AT CH. 22350.858				HIP NO. 166 AT CH. 22442.795				HIP NO. 167 AT CH. 22539.834				HIP NO. 168 AT CH. 22653.113				HIP NO. 169 AT CH. 22791.118			
X = 663034.505		Y = 3193170.221		X = 662892.921		Y = 3193039.752		X = 663045.92		Y = 3192985.368		X = 663120.359		Y = 3192853.716		X = 662994.302		Y = 3192946.923		X = 662894.663		Y = 3193000.95		X = 662797.242		Y = 3193099.409	
R (m)	30	Ls (m)		R (m)	30	Ls (m)		R (m)	70	Ls (m)	15	R (m)	30	Ls (m)	15	R (m)	150	Ls (m)	15	R (m)	100	Ls (m)	15	R (m)	150	Ls (m)	15
Dc(deg)	81.0659	S(m)		Dc(deg)	118.4323	S(m)		Dc(deg)	20.2688	S(m)	0.13	Dc(deg)	146.2265	S(m)	0.31	Dc(deg)	13.2361	S(m)	0.06	Dc(deg)	10.5797	S(m)	0.09	Dc(deg)	24.9569	S(m)	0.06
Lc(m)	42.45	Ts(deg)		Lc(m)	62.01	Ts(deg)		Lc(m)	24.76	Ts(deg)	6.1388	Lc(m)	76.56	Ts(deg)	14.3239	Lc(m)	34.65	Ts(deg)	2.8648	Lc(m)	18.47	Ts(deg)	4.2972	Lc(m)	65.34	Ts(deg)	2.8648
Ts(m)	25.652	Δ(deg)	81.0659	Ts(m)	50.358	Δ(deg)	118.4323	Ts(m)	27.969	Δ(deg)	32.5465	Ts(m)	684.659	Δ(deg)	174.8744	Ts(m)	32.565	Δ(deg)	18.9657	Ts(m)	24.404	Δ(deg)	19.174	Ts(m)	48.673	Δ(deg)	30.6865
Es(m)	9.472	e(%)	10.00%	Es(m)	28.617	e(%)	10.00%	Es(m)	3.057	e(%)	10.00%	Es(m)	647.852	e(%)	10.00%	Es(m)	2.139	e(%)	7.41%	Es(m)	1.508	e(%)	10.00%	Es(m)	5.606	e(%)	7.41%
V(km/hr)	30	We(m)	1.5	V(km/hr)	30	We(m)	1.5	V(km/hr)	40	We(m)	0.9	V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.9	V(km/hr)	50	We(m)	0.6
CurveType	LEFT			CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT		

R7	AUG 2023	FINAL DPR
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT
R3	JULY 2018	DETAILED PROJECT REPORT
REV.	DATE	DESCRIPTION OF REVISIONS

CLIENT:



National Highways & Infrastructure Development Corporation Limited.
3rd Floor, PTI building, 4-Parliament Street, New Delhi-110001

PROJECT:

Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'

DPR CONSULTANT:



Shweta Technophile Consultants Pvt. Ltd.
(222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indrapuram, Ghaziabad, UP-201014)

DRAWN BY	ASHISH RAWAT
DESIGN BY	RAM SONKAR
CHECKED BY	GEETA JINDAL
HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200

TITLE:

PLAN AND PROFILE
FROM CH:22+000 TO CH:23+000

DRAWING NO.
NHIDCL/PANGO-JORGING/STC/PP- 42

A3

PLAN:-

PROFILE:-

Str No	23/1
Chainage	22+122
Type	Major Bridge
Size	1x100m
Proposal	New

Str No	23/3
Chainage	22+400
Proposal	Box
Proposed Size	1x2.0x2.0m
Proposed Type	New

Str No	23/4
Chainage	22+700
Proposal	Box
Proposed Size	1x2.0x2.0m
Proposed Type	New

DATUM = 755

R7	AUG 2023	FINAL DPR	 CLIENT: National Highways & Infrastructure Development Corporation Limited. 3rd Floor, PTI building, 4-Parliament Street, New Delhi-110001	PROJECT: Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'	DPR CONSULTANT:  Shweta Technophile Consultants Pvt. Ltd. (222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)	DRAWN BY	ASHISH RAWAT	TITLE: PLAN AND PROFILE FROM CH:22+000 TO CH:23+000
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT				DESIGN BY	RAM SONKAR	
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT				CHECKED BY	GEETA JINDAL	
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT				HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200	
R3	JULY 2018	DETAILED PROJECT REPORT				DRAWING NO. NHIDCL/PANGO-JORGING/STC/PP- 43		
REV.	DATE	DESCRIPTION OF REVISIONS						

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

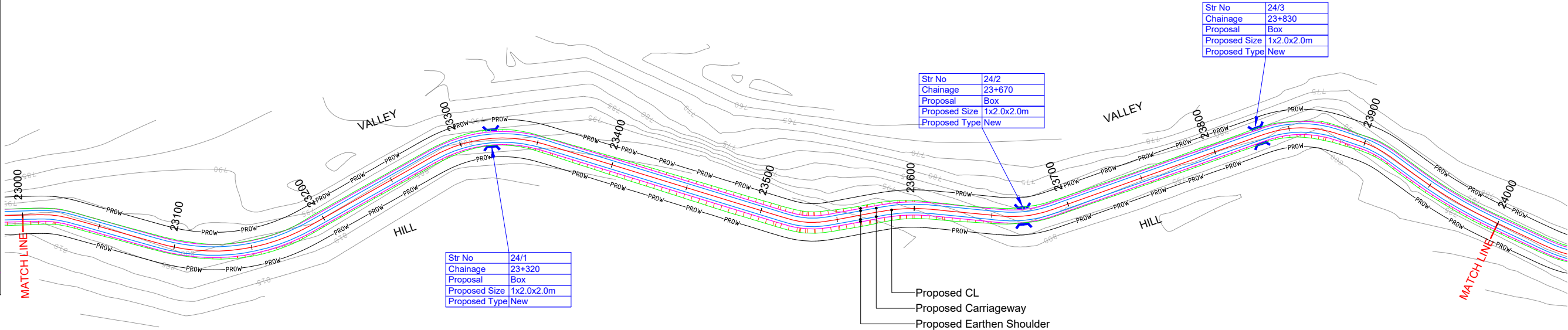
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 170 AT CH. 23020.996				HIP NO. 171 AT CH. 23140.404				HIP NO. 172 AT CH. 23317.624				HIP NO. 173 AT CH. 23531.055				HIP NO. 174 AT CH. 23594.721				HIP NO. 175 AT CH. 23672.272				HIP NO. 176 AT CH. 23857.674				HIP NO. 177 AT CH. 23908.651				HIP NO. 178 AT CH. 23967.941			
X = 662576.413		Y = 3193164.913		X = 662473.242		Y = 3193228.084		X = 662296.231		Y = 3193196.568		X = 662117.242		Y = 3193314.479		X = 662054.477		Y = 3193324.778		X = 661982.245		Y = 3193352.927		X = 661796.69		Y = 3193349.869		X = 661754.06		Y = 3193378.375		X = 661718.945		Y = 3193426.368	
R (m)	55	Ls (m)	15	R (m)	125	Ls (m)	15	R (m)	90	Ls (m)	15	R (m)	50	Ls (m)	15	R (m)	100	Ls (m)	20	R (m)	70	Ls (m)	15	R (m)	70	Ls (m)	15	R (m)	70	Ls (m)		R (m)	300	Ls (m)	
Dc(deg)	1.7553	S(m)	0.17	Dc(deg)	38.3061	S(m)	0.08	Dc(deg)	36.9367	S(m)	0.1	Dc(deg)	10.2651	S(m)	0.19	Dc(deg)	4.5573	S(m)	0.17	Dc(deg)	12.8916	S(m)	0.13	Dc(deg)	26.1007	S(m)	0.13	Dc(deg)	17.5014	S(m)		Dc(deg)	11.2032	S(m)	
Lc(m)	1.69	Ts(deg)	7.8131	Lc(m)	83.57	Ts(deg)	3.4377	Lc(m)	58.02	Ts(deg)	4.7746	Lc(m)	8.96	Ts(deg)	8.5944	Lc(m)	7.95	Ts(deg)	5.7296	Lc(m)	15.75	Ts(deg)	6.1388	Lc(m)	31.89	Ts(deg)	6.1388	Lc(m)	21.38	Ts(deg)		Lc(m)	58.66	Ts(deg)	
Ts(m)	15.928	Δ(deg)	17.3815	Ts(m)	59.541	Δ(deg)	45.1816	Ts(m)	46.195	Δ(deg)	46.486	Ts(m)	19.754	Δ(deg)	27.4538	Ts(m)	24.089	Δ(deg)	16.0165	Ts(m)	23.153	Δ(deg)	25.1692	Ts(m)	31.904	Δ(deg)	38.3784	Ts(m)	10.775	Δ(deg)	17.5014	Ts(m)	29.424	Δ(deg)	11.2032
Es(m)	0.811	e(%)	10.00%	Es(m)	10.475	e(%)	8.89%	Es(m)	8.058	e(%)	7.90%	Es(m)	1.666	e(%)	10.00%	Es(m)	1.156	e(%)	10.00%	Es(m)	1.856	e(%)	10.00%	Es(m)	4.256	e(%)	10.00%	Es(m)	0.824	e(%)	10.00%	Es(m)	1.439	e(%)	3.70%
V(km/hr)	40	We(m)	1.2	V(km/hr)	50	We(m)	0.6	V(km/hr)	40	We(m)	0.9	V(km/hr)	40	We(m)	1.2	V(km/hr)	50	We(m)	0.9	V(km/hr)	40	We(m)	0.9	V(km/hr)	40	We(m)	0.9	V(km/hr)	40	We(m)	0.9	V(km/hr)	50	We(m)	0.6
CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT		

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP. RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT - - -

GROUND LEVEL @6M RIGHT- - -

Str No	24/1
Chainage	23+320
Proposal	Box
Proposed Size	1x2.0x2.0m
Proposed Type	New

Str No	24/2
Chainage	23+670
Proposal	Box
Proposed Size	1x2.0x2.0m
Proposed Type	New

Str No	24/3
Chainage	23+830
Proposal	Box
Proposed Size	1x2.0x2.0m
Proposed Type	New

DATUM = 770

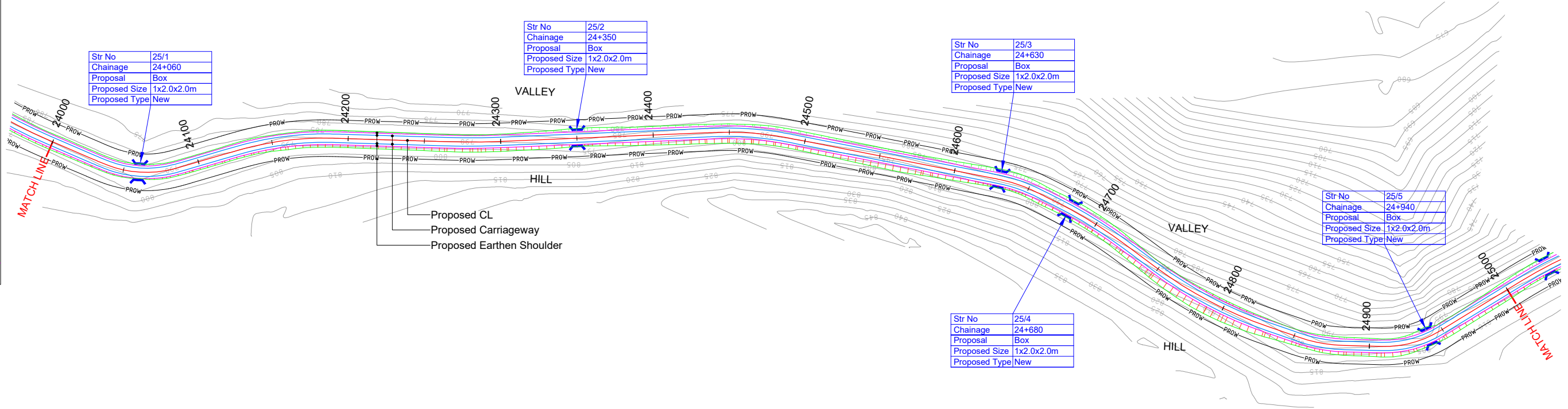
Chainage	Horizontal Alignment	Vertical Alignment	Ground Levels @6m Right	Ground Levels @6m Left	Ground Levels	Proposed Road Levels
-23000.000			805.628	796.228	-800.474	797.682
-23010.000			805.571	796.661	-801.077	797.956
-23020.000			804.041	797.287	-801.166	798.231
-23030.000			803.453	798.223	-800.622	798.478
-23040.000			803.202	798.019	-800.511	798.697
-23050.000			803.131	797.924	-800.462	798.887
-23060.000			802.827	797.713	-800.235	799.049
-23070.000			802.557	797.474	-799.991	799.183
-23080.000			802.302	797.205	-799.746	799.288
-23090.000			802.091	796.934	-799.494	799.367
-23100.000			801.643	796.737	-799.126	799.440
-23110.000			801.761	795.937	-798.912	799.512
-23120.000			803.131	797.454	-800.273	799.585
-23130.000			804.196	798.679	-801.435	799.657
-23140.000			804.962	799.409	-802.252	799.730
-23150.000			803.602	800.041	-802.788	799.802
-23160.000			805.866	799.918	-802.970	799.875
-23170.000			805.657	799.291	-802.620	799.947
-23180.000			805.231	798.325	-801.875	800.020
-23190.000			804.120	796.492	-800.554	800.093
-23200.000			803.797	796.108	-800.070	800.165
-23210.000			803.955	796.276	-800.238	800.238
-23220.000			804.051	796.444	-800.348	800.310
-23230.000			804.343	796.612	-800.563	800.383
-23240.000			804.459	796.780	-800.742	800.455
-23250.000			804.610	796.937	-800.870	800.528
-23260.000			804.821	796.923	-801.064	800.600
-23270.000			804.979	796.980	-801.210	800.673

R7	AUG 2023	FINAL DPR	CLIENT:  National Highways & Infrastructure Development Corporation Limited. 3rd Floor, PTI building, 4-Parliament Street, New Delhi-110001	PROJECT: Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'	DPR CONSULTANT:  Shweta Technophile Consultants Pvt. Ltd. (222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)	DRAWN BY	ASHISH RAWAT	TITLE: PLAN AND PROFILE FROM CH:23+000 TO CH:24+000	
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT				DESIGN BY	RAM SONKAR		
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT				CHECKED BY	GEETA JINDAL		
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT				HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200		
R3	JULY 2018	DETAILED PROJECT REPORT						DRAWING NO.	
REV.	DATE	DESCRIPTION OF REVISIONS						NHIDCL/PANGO-JORGING/STC/PP- 45	A3

LEGEND

PLAN:-
PROP.CENTER LINE
PROP.CARRIAGEWAY EDGE
PROP.EARTHEN SHOULDER
TOE LINE
PROP.RIGHT OF WAY
CULVERT
MAJOR/MINOR BRIDGE

PROFILE:-
PROP.ROAD LEVEL
EXISTING GROUND LEVEL
GROUND LEVEL @6M LEFT
GROUND LEVEL @6M RIGHT



HIP NO. 179 AT CH. 24060.922				HIP NO. 180 AT CH. 24158.387				HIP NO. 181 AT CH. 24281.584				HIP NO. 182 AT CH. 24465.018				HIP NO. 183 AT CH. 24642.676				HIP NO. 184 AT CH. 24696.584				HIP NO. 185 AT CH. 24790.001				HIP NO. 186 AT CH. 24868.151				HIP NO. 187 AT CH. 24928.157			
X = 661648.69		Y = 3193487.782		X = 661551.294		Y = 3193496.662		X = 661435.832		Y = 3193539.826		X = 661260.601		Y = 3193594.174		X = 661107.517		Y = 3193684.324		X = 661069.425		Y = 3193722.544		X = 661017.057		Y = 3193800.385		X = 660955.502		Y = 3193849.261		X = 660898.804		Y = 3193870.964	
R (m)	70	Ls (m)	15	R (m)	200	Ls (m)	20	R (m)	500	Ls (m)		R (m)	200	Ls (m)	15	R (m)	90	Ls (m)	15	R (m)	300	Ls (m)		R (m)	270	Ls (m)		R (m)	100	Ls (m)		R (m)	70	Ls (m)	
Dc(deg)	27.3317	S(m)	0.13	Dc(deg)	12.4335	S(m)	0.08	Dc(deg)	4.1746	S(m)		Dc(deg)	9.2086	S(m)	0.05	Dc(deg)	5.9097	S(m)	0.1	Dc(deg)	10.1202	S(m)		Dc(deg)	17.6187	S(m)		Dc(deg)	17.5044	S(m)		Dc(deg)	33.1292	S(m)	
Lc(m)	33.39	Ts(deg)	6.1388	Lc(m)	43.4	Ts(deg)	2.8648	Lc(m)	36.43	Ts(deg)		Lc(m)	32.14	Ts(deg)	2.1486	Lc(m)	9.28	Ts(deg)	4.7746	Lc(m)	52.99	Ts(deg)		Lc(m)	83.03	Ts(deg)		Lc(m)	30.55	Ts(deg)		Lc(m)	40.47	Ts(deg)	
Ts(m)	32.752	Δ(deg)	39.6094	Ts(m)	41.981	Δ(deg)	18.163	Ts(m)	18.223	Δ(deg)	4.1746	Ts(m)	31.187	Δ(deg)	13.5058	Ts(m)	19.728	Δ(deg)	15.459	Ts(m)	26.564	Δ(deg)	10.1202	Ts(m)	41.843	Δ(deg)	17.6187	Ts(m)	15.395	Δ(deg)	17.5044	Ts(m)	20.821	Δ(deg)	33.1292
Es(m)	4.539	e(%)	10.00%	Es(m)	2.62	e(%)	5.56%	Es(m)	0.332	e(%)	-2.50%	Es(m)	1.448	e(%)	5.56%	Es(m)	0.926	e(%)	7.90%	Es(m)	1.174	e(%)	3.70%	Es(m)	3.223	e(%)	4.12%	Es(m)	1.178	e(%)	10.00%	Es(m)	3.031	e(%)	10.00%
V(km/hr)	40	We(m)	0.9	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	Nil	V(km/hr)	50	We(m)	0.6	V(km/hr)	40	We(m)	0.9	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.9	V(km/hr)	40	We(m)	0.9
CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT			CurveType	LEFT		

R7	AUG 2023	FINAL DPR
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT
R3	JULY 2018	DETAILED PROJECT REPORT
REV.	DATE	DESCRIPTION OF REVISIONS

CLIENT:



National Highways & Infrastructure Development Corporation Limited.
3rd Floor, PTI building, 4-Parliament Street, New Delhi-110001

PROJECT:

Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'

DPR CONSULTANT:



Shweta Technophile Consultants Pvt. Ltd.
(222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indrapuram, Ghaziabad, UP-201014)

DRAWN BY	ASHISH RAWAT
DESIGN BY	RAM SONKAR
CHECKED BY	GEETA JINDAL
HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200

TITLE:

PLAN AND PROFILE
FROM CH:24+000 TO CH:25+000

DRAWING NO.
NHIDCL/PANGO-JORGING/STC/PP- 46

A3

GROUND LEVEL @6M RIGHT



TITLE: PLAN AND PROFILE FROM CH:24+000 TO CH:25+000	
DRAWING NO. NHIDCL/PANGO-JORGING/STC/PP- 46	A3

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

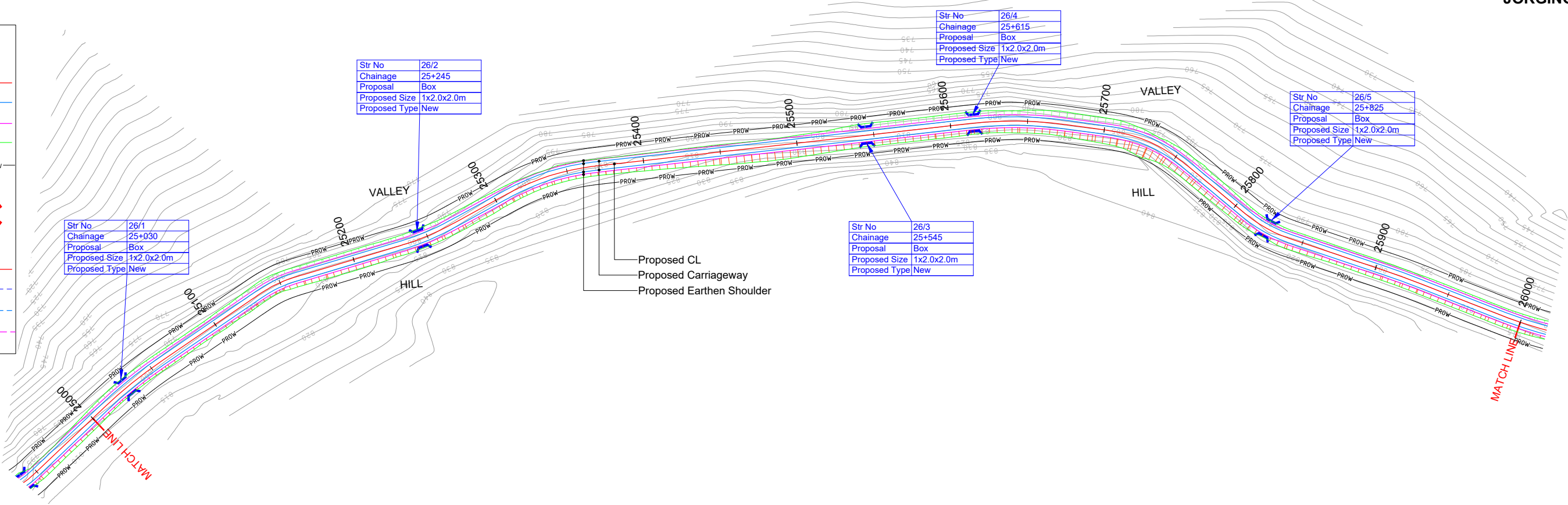
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 188 AT CH. 25033.89				HIP NO. 189 AT CH. 25147.531				HIP NO. 190 AT CH. 25250.017				HIP NO. 191 AT CH. 25338.501				HIP NO. 192 AT CH. 25643.808				HIP NO. 193 AT CH. 25730.549				HIP NO. 194 AT CH. 25824.728				HIP NO. 195 AT CH. 25918.407			
X = 660794.832	Y = 3193848.517			X = 660681.285	Y = 3193843.403			X = 660581.795	Y = 3193867.883			X = 660493.388	Y = 3193874.016			X = 660215.569	Y = 3194001.302			X = 660150.054	Y = 3194058.336			X = 660116.616	Y = 3194146.535			X = 660056.221	Y = 3194218.396		
R (m)	300	Ls (m)		R (m)	70	Ls (m)	15	R (m)	150	Ls (m)	15	R (m)	150	Ls (m)	15	R (m)	250	Ls (m)		R (m)	90	Ls (m)	25	R (m)	90	Ls (m)		R (m)	500	Ls (m)	
Dc(deg)	9.1555	S(m)		Dc(deg)	5.4415	S(m)	0.13	Dc(deg)	6.2838	S(m)	0.06	Dc(deg)	16.4584	S(m)	0.06	Dc(deg)	14.2609	S(m)		Dc(deg)	15.9581	S(m)	0.29	Dc(deg)	21.0447	S(m)		Dc(deg)	2.8146	S(m)	
Lc(m)	47.94	Ts(deg)		Lc(m)	6.65	Ts(deg)	6.1388	Lc(m)	16.45	Ts(deg)	2.8648	Lc(m)	43.09	Ts(deg)	2.8648	Lc(m)	62.22	Ts(deg)		Lc(m)	25.07	Ts(deg)	7.9577	Lc(m)	33.06	Ts(deg)		Lc(m)	24.56	Ts(deg)	
Ts(m)	24.02	Δ(deg)	9.1555	Ts(m)	18.428	Δ(deg)	17.7191	Ts(m)	23.289	Δ(deg)	12.0134	Ts(m)	36.924	Δ(deg)	22.188	Ts(m)	31.274	Δ(deg)	14.2609	Ts(m)	38.274	Δ(deg)	31.8736	Ts(m)	16.717	Δ(deg)	21.0447	Ts(m)	12.283	Δ(deg)	2.8146
Es(m)	0.96	e(%)	3.70%	Es(m)	0.977	e(%)	10.00%	Es(m)	0.888	e(%)	7.41%	Es(m)	2.918	e(%)	7.41%	Es(m)	1.949	e(%)	4.44%	Es(m)	3.899	e(%)	7.90%	Es(m)	1.539	e(%)	7.90%	Es(m)	0.151	e(%)	-2.50%
V(km/hr)	50	We(m)	0.6	V(km/hr)	40	We(m)	0.9	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	40	We(m)	0.9	V(km/hr)	40	We(m)	0.9	V(km/hr)	50	We(m)	Nil
CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT		

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

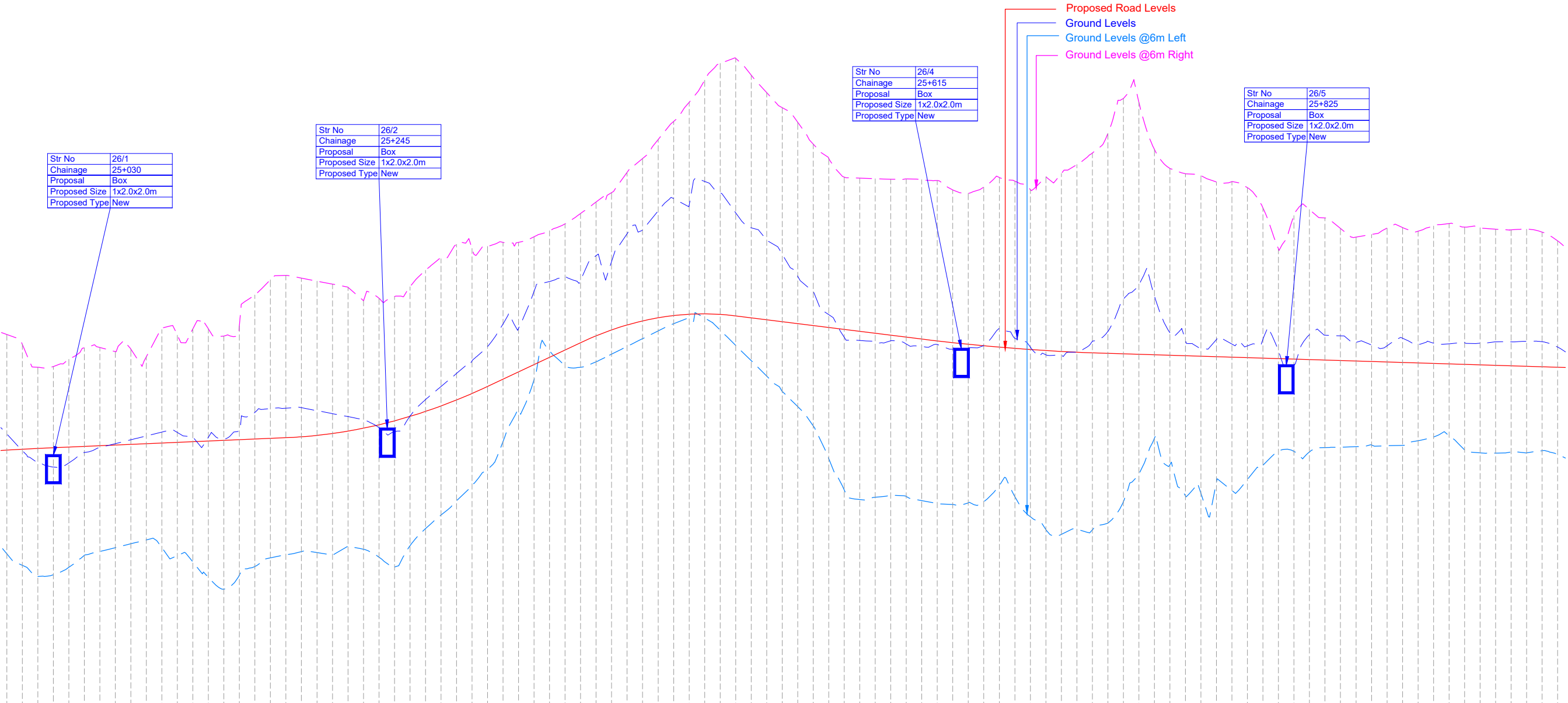
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



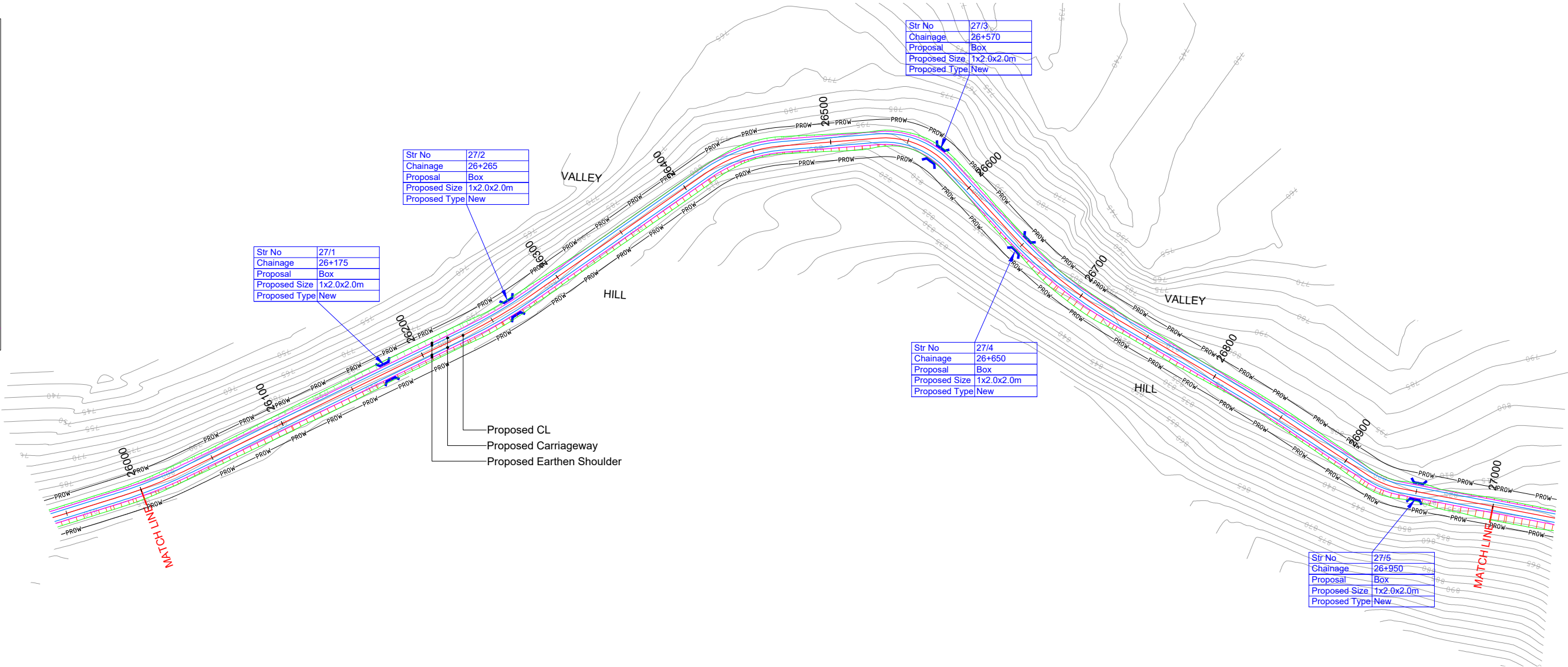
DATUM = 780

Proposed Road Levels			798.179	799.225	798.146	798.242	798.294	798.337	798.380	798.423	798.466	798.508	798.551	798.594	798.637	798.680	798.723	798.766	798.809	798.852	798.895	798.938	798.981	799.024	799.067	799.110	799.153	799.196	799.239	799.282	799.325	799.368	799.411	799.454	799.497	799.540	799.583	799.626	799.669	799.712	799.755	799.798	799.841	799.884	799.927	799.970	800.013	800.056	800.099	800.142	800.185	800.228	800.271	800.314	800.357	800.399	800.442	800.485	800.528	800.571	800.614	800.657	800.700	800.743	800.786	800.829	800.872	800.915	800.958	801.001	801.044	801.087	801.130	801.173	801.216	801.259	801.302	801.345	801.388	801.431	801.474	801.517	801.560	801.603	801.646	801.689	801.732	801.775	801.818	801.861	801.904	801.947	801.990	802.033	802.076	802.119	802.162	802.205	802.248	802.291	802.334	802.377	802.420	802.463	802.506	802.549	802.592	802.635	802.678	802.721	802.764	802.807	802.850	802.893	802.936	802.979	803.022	803.065	803.108	803.151	803.194	803.237	803.280	803.323	803.366	803.409	803.452	803.495	803.538	803.581	803.624	803.667	803.710	803.753	803.796	803.839	803.882	803.925	803.968	804.011	804.054	804.097	804.140	804.183	804.226	804.269	804.312	804.355	804.398	804.441	804.484	804.527	804.570	804.613	804.656	804.699	804.742	804.785	804.828	804.871	804.914	804.957	805.000	805.043	805.086	805.129	805.172	805.215	805.258	805.301	805.344	805.387	805.430	805.473	805.516	805.559	805.602	805.645	805.688	805.731	805.774	805.817	805.860	805.903	805.946	805.989	806.032	806.075	806.118	806.161	806.204	806.247	806.290	806.333	806.376	806.419	806.462	806.505	806.548	806.591	806.634	806.677	806.720	806.763	806.806	806.849	806.892	806.935	806.978	807.021	807.064	807.107	807.150	807.193	807.236	807.279	807.322	807.365	807.408	807.451	807.494	807.537	807.580	807.623	807.666	807.709	807.752	807.795	807.838	807.881	807.924	807.967	808.010	808.053	808.096	808.139	808.182	808.225	808.268	808.311	808.354	808.397	808.440	808.483	808.526	808.569	808.612	808.655	808.698	808.741	808.784	808.827	808.870	808.913	808.956	809.000	809.043	809.086	809.129	809.172	809.215	809.258	809.301	809.344	809.387	809.430	809.473	809.516	809.559	809.602	809.645	809.688	809.731	809.774	809.817	809.860	809.903	809.946	809.989	810.032	810.075	810.118	810.161	810.204	810.247	810.290	810.333	810.376	810.419	810.462	810.505	810.548	810.591	810.634	810.677	810.720	810.763	810.806	810.849	810.892	810.935	810.978	811.021	811.064	811.107	811.150	811.193	811.236	811.279	811.322	811.365	811.408	811.451	811.494	811.537	811.580	811.623	811.666	811.709	811.752	811.795	811.838	811.881	811.924	811.967	812.010	812.053	812.096	812.139	812.182	812.225	812.268	812.311	812.354	812.397	812.440	812.483	812.526	812.569	812.612	812.655	812.698	812.741	812.784	812.827	812.870	812.913	812.956	812.999	813.042	813.085	813.128	813.171	813.214	813.257	813.300	813.343	813.386	813.429	813.472	813.515	813.558	813.601	813.644	813.687	813.730	813.773	813.816	813.859	813.902	813.945	813.988	814.031	814.074	814.117	814.160	814.203	814.246	814.289	814.332	814.375	814.418	814.461	814.504	814.547	814.590	814.633	814.676	814.719	814.762	814.805	814.848	814.891	814.934	814.977	815.020	815.063	815.106	815.149	815.192	815.235	815.278	815.321	815.364	815.407	815.450	815.493	815.536	815.579	815.622	815.665	815.708	815.751	815.794	815.837	815.880	815.923	815.966	816.009	816.052	816.095	816.138	816.181	816.224	816.267	816.310	816.353	816.396	816.439	816.482	816.525	816.568	816.611	816.654	816.697	816.740	816.783	816.826	816.869	816.912	816.955	817.000	817.043	817.086	817.129	817.172	817.215	817.258	817.301	817.344	817.387	817.430	817.473	817.516	817.559	817.602	817.645	817.688	817.731	817.774	817.817	817.860	817.903	817.946	817.989	818.032	818.075	818.118	818.161	818.204	818.247	818.290	818.333	818.376	818.419	818.462	818.505	818.548	818.591	818.634	818.677	818.720	818.763	818.806	818.849	818.892	818.935	818.978	819.021	819.064	819.107	819.150	819.193	819.236	819.279	819.322	819.365	819.408	819.451	819.494	819.537	819.580	819.623	819.666	819.709	819.752	819.795	819.838	819.881	819.924	819.967	820.010	820.053	820.096	820.139	820.182	820.225	820.268	820.311	820.354	820.397	820.440	820.483	820.526	820.569	820.612	820.655	820.698	820.741	820.784	820.827	820.870	820.913	820.956	821.000	821.043	821.086	821.129	821.172	821.215	821.258	821.301	821.344	821.387	821.430	821.473	821.516	821.559	821.602	821.645	821.688	821.731	821.774	821.817	821.860	821.903	821.946	821.989	822.032	822.075	822.118	822.161	822.204	822.247	822.290	822.333	822.376	822.419	822.462	822.505	822.548	822.591	822.634	822.677	822.720	822.763	822.806	822.849	822.892	822.935	822.978	823.021	823.064	823.107	823.150	823.193	823.236	823.279	823.322	823.365	823.408	823.451	823.494	823.537	823.580	823.623	823.666	823.709	823.752	823.795	823.838	823.881	823.924	823.967	824.010	824.053	824.096	824.139	824.182	824.225	824.268	824.311	824.354	824.397	824.440	824.483	824.526	824.569	824.612	824.655	824.698	824.741	824.784	824.827	824.870	824.913	824.956	825.000	825.043	825.086	825.129	825.172	825.215	825.258	825.301	825.344	825.387	825.430	825.473	825.516	825.559	825.602	825.645	825.688	825.731	825.774	825.817	825.860	825.903	825.946	825.989	826.032	826.075	826.118	826.161	826.204	826.247	826.290	826.333	826.376	826.419	826.462	826.505	826.548	826.591	826.634	826.677	826.720	826.763	826.806	826.849	826.892	826.935	826.978	827.021	827.064	827.107	827.150	827.193	827.236	827.279	827.322	827.365	827.408	827.451	827.494	827.537	827.580	827.623	827.666	827.709	827.752	827.795	827.838	827.881	827.924	827.967	828.010	828.053	828.096	828.139	828.182	828.225	828.268	828.311	828.354	828.397	828.440	828.483	828.526	828.569	828.612	828.655	828.698	828.741	828.784	828.827	828.870	828.913	828.956	829.000	829.043	829.086	829.129	829.172	829.215	829.258	829.301	829.344	829.387	829.430	829.473	829.516	829.559	829.602	829.645	829.688	829.731	829.774	829.817	829.860	829.903	829.946	829.989	830.032	830.075	830.118	830.161	830.204	830.247	830.290	830.333	830.376	830.419	830.462	830.505	830.548	830.591	830.634	830.677	830.720	830.763	830.806	830.849	830.892	830.935	830.978	831.021	831.064	831.107	831.150	831.193	831.236	831.279	831.322	831.365	831.408	831.451	831.494	831.537	831.580	831.623	831.666	831.709	831.752	831.795	831.838	831.881	831.924	831.967	832.010	832.053	832.096	832.139	832.182	832.225	832.268	832.311	832.354	832.397	832.440	832.483	832.526	832.569	832.612	832.655	832.698	832.741	832.784	832.827	832.870	832.913	832.956	833.000	833.043	833.086	833.129	833.172	833.215	833.258	833.301	833.344	833.387	833.430	833.473	833.516	833.559	833.602	833.645	833.688	833.731	833.774	833.817	833.860	833.903	833.946	833.989	834.032	834.075	834.118	834.161	834.204	834.247	834.290	834.333	834.376	834.419	834.462	834.505	834.548	834.591	834.634	834.677	834.720	834.763	834.806	834.849	834.892	834.935	834.978	835.021	835.064	835.107	835.150	835.193	835.236	835.279	835.322	835.365	835.408	835.451	835.494	835.537	835.580	835.623	835.666	835.709	835.752	835.795	835.838	835.881	835.924	835.967	836.010	836.053	836.096	836.139	836.182	836.225	836.268	836.311	836.354	836.397	836.440	836.483	836.526	836.569	836.612	836.655	836.698	836.741	836.784	836.827	836.870	836.913	836.956	837.000	837.043	837.086	837.129	837.172	837.215	837.258	837.301	837.344	837.387	837.430	837.473	837.516	837.559	837.602	837.645	837.688	837.731	837.774	837.817	837.860	837.903	837.946	837.989	838.032	838.075	838.118	838.161	838.204	838.247	838.290	838.333	
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LEGEND

PLAN:-
PROP.CENTER LINE
PROP.CARRIAGEWAY EDGE
PROP.EARTHEN SHOULDER
TOE LINE
PROP.RIGHT OF WAY
CULVERT
MAJOR/MINOR BRIDGE

PROFILE:-
PROP.ROAD LEVEL
EXISTING GROUND LEVEL
GROUND LEVEL @6M LEFT
GROUND LEVEL @6M RIGHT



HIP NO. 196 AT CH. 26008.184				HIP NO. 197 AT CH. 26255.135				HIP NO. 198 AT CH. 26442.401				HIP NO. 199 AT CH. 26555.608				HIP NO. 200 AT CH. 26683.699				HIP NO. 201 AT CH. 26832.633				HIP NO. 202 AT CH. 26928.445			
X = 660001.496	Y = 3194289.579			X = 659824.444	Y = 3194461.816			X = 659670.673	Y = 3194569.9			X = 659622.756	Y = 3194675.217			X = 659682.771	Y = 3194790.834			X = 659710.221	Y = 3194937.549			X = 659732.948	Y = 3195030.783		
R (m)	300	Ls (m)	15	R (m)	300	Ls (m)		R (m)	100	Ls (m)		R (m)	55	Ls (m)		R (m)	300	Ls (m)		R (m)	1000	Ls (m)		R (m)	55	Ls (m)	
Dc(deg)	5.8119	S(m)	0.03	Dc(deg)	8.9905	S(m)		Dc(deg)	30.4327	S(m)		Dc(deg)	51.8975	S(m)		Dc(deg)	16.8364	S(m)		Dc(deg)	3.1026	S(m)		Dc(deg)	22.7162	S(m)	
Lc(m)	30.43	Ts(deg)	1.4324	Lc(m)	47.07	Ts(deg)		Lc(m)	53.11	Ts(deg)		Lc(m)	49.82	Ts(deg)		Lc(m)	88.16	Ts(deg)		Lc(m)	54.15	Ts(deg)		Lc(m)	21.81	Ts(deg)	
Ts(m)	30.261	Δ(deg)	8.6767	Ts(m)	23.585	Δ(deg)	8.9905	Ts(m)	27.2	Δ(deg)	30.4327	Ts(m)	26.764	Δ(deg)	51.8975	Ts(m)	44.397	Δ(deg)	16.8364	Ts(m)	27.082	Δ(deg)	3.1026	Ts(m)	11.048	Δ(deg)	22.7162
Es(m)	0.892	e(%)	3.70%	Es(m)	0.926	e(%)	3.70%	Es(m)	3.633	e(%)	10.00%	Es(m)	6.166	e(%)	10.00%	Es(m)	3.267	e(%)	3.70%	Es(m)	0.367	e(%)	-2.50%	Es(m)	1.099	e(%)	10.00%
V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.9	V(km/hr)	40	We(m)	1.2	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	Nil	V(km/hr)	40	We(m)	1.2
CurveType	LEFT			CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT		

R7	AUG 2023	FINAL DPR
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT
R3	JULY 2018	DETAILED PROJECT REPORT
REV.	DATE	DESCRIPTION OF REVISIONS

CLIENT:

**National Highways & Infrastructure Development Corporation Limited.**
3rd Floor, PTI building, 4-Parliament Street, New Delhi-110001

PROJECT:

Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'

DPR CONSULTANT:

**Shweta Technophile Consultants Pvt. Ltd.**
(222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indrapuram, Ghaziabad, UP-201014)

DRAWN BY	ASHISH RAWAT
DESIGN BY	RAM SONKAR
CHECKED BY	GEETA JINDAL
HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200

TITLE:

PLAN AND PROFILE
FROM CH:26+000 TO CH:27+000

DRAWING NO.
NHIDCL/PANGO-JORGING/STC/PP- 49

A3

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

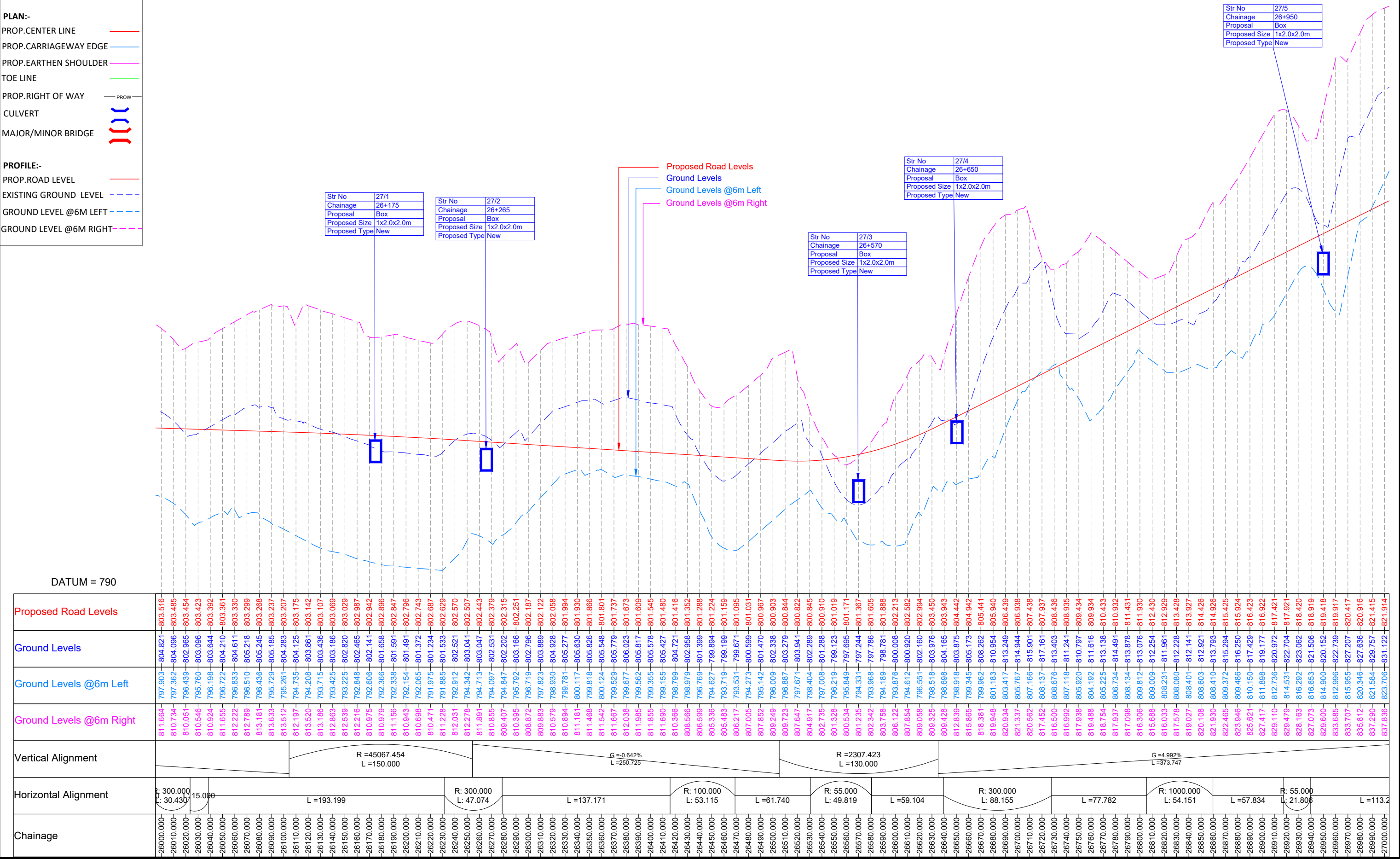
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

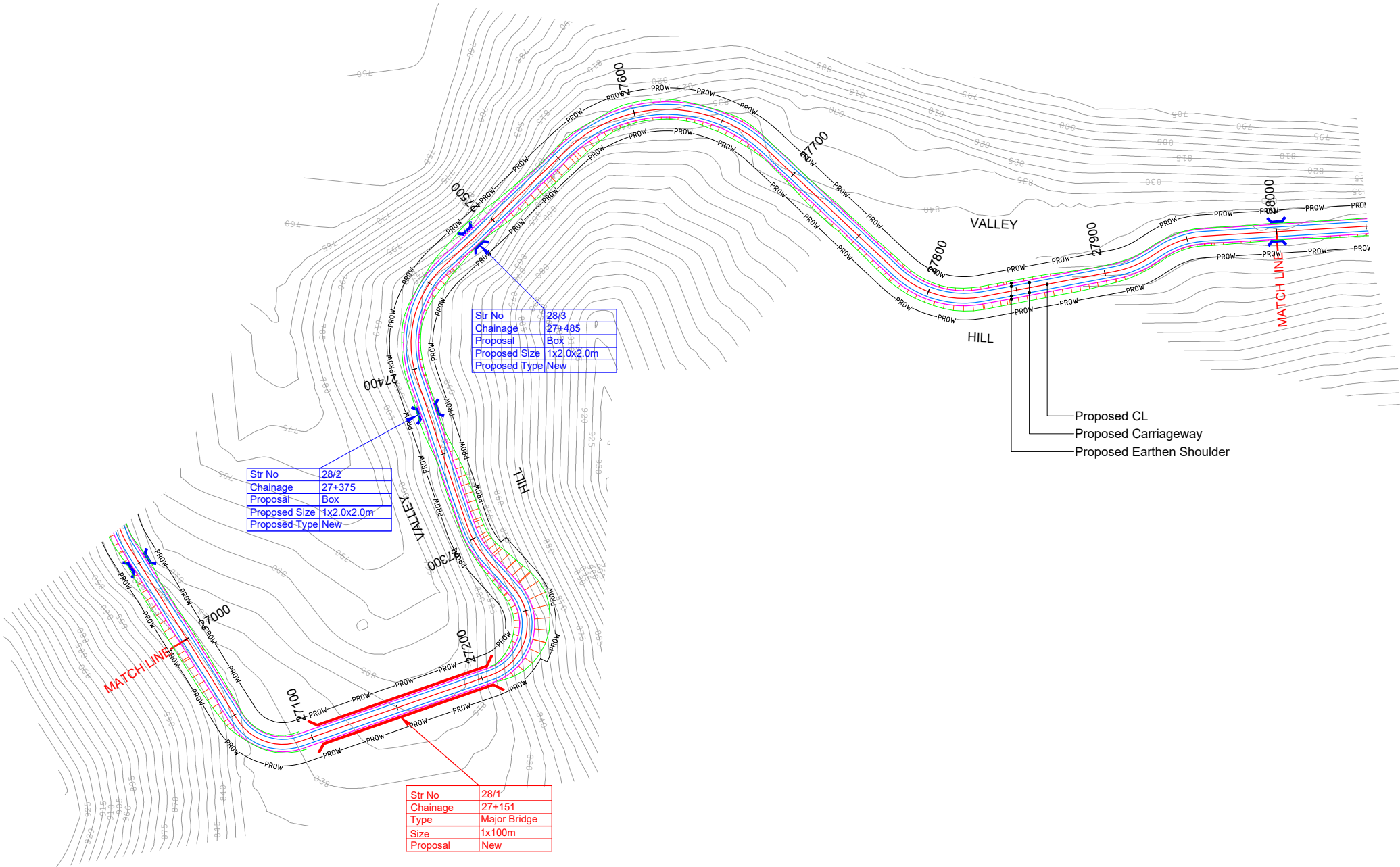
GROUND LEVEL @6M RIGHT



LEGEND

PLAN:-
PROP.CENTER LINE
PROP.CARRIAGEWAY EDGE
PROP.EARTHEN SHOULDER
TOE LINE
PROP.RIGHT OF WAY
CULVERT
MAJOR/MINOR BRIDGE

PROFILE:-
PROP.ROAD LEVEL
EXISTING GROUND LEVEL
GROUND LEVEL @6M LEFT
GROUND LEVEL @6M RIGHT



HIP NO. 203 AT CH. 27072.799				HIP NO. 204 AT CH. 27234.944				HIP NO. 205 AT CH. 27297.525				HIP NO. 206 AT CH. 27429.006				HIP NO. 207 AT CH. 27618.236				HIP NO. 208 AT CH. 27804.761				HIP NO. 209 AT CH. 27916.092				HIP NO. 210 AT CH. 27946.581			
X = 659709.721		Y = 3195177.164		X = 659528.54		Y = 3195189.599		X = 659554.201		Y = 3195115.426		X = 659544.115		Y = 3194979.873		X = 659348.592		Y = 3194907.62		X = 659266.817		Y = 3195094.024		X = 659155.882		Y = 3195118.329		X = 659125.423		Y = 3195113.052	
R (m)	30	Ls (m)		R (m)	30	Ls (m)		R (m)	55	Ls (m)		R (m)	60	Ls (m)		R (m)	80	Ls (m)		R (m)	55	Ls (m)		R (m)	55	Ls (m)		R (m)	50	Ls (m)	
Dc(deg)	77.0571	S(m)		Dc(deg)	113.0102	S(m)		Dc(deg)	23.3392	S(m)		Dc(deg)	65.4633	S(m)		Dc(deg)	86.594	S(m)		Dc(deg)	53.9549	S(m)		Dc(deg)	22.187	S(m)		Dc(deg)	29.395	S(m)	
Lc(m)	40.35	Ts(deg)		Lc(m)	59.17	Ts(deg)		Lc(m)	22.4	Ts(deg)		Lc(m)	68.55	Ts(deg)		Lc(m)	120.91	Ts(deg)		Lc(m)	51.79	Ts(deg)		Lc(m)	21.3	Ts(deg)		Lc(m)	25.65	Ts(deg)	
Ts(m)	23.887	Δ(deg)	77.0571	Ts(m)	45.334	Δ(deg)	113.0102	Ts(m)	11.36	Δ(deg)	23.3392	Ts(m)	38.566	Δ(deg)	65.4633	Ts(m)	75.38	Δ(deg)	86.594	Ts(m)	27.997	Δ(deg)	53.9549	Ts(m)	10.784	Δ(deg)	22.187	Ts(m)	13.115	Δ(deg)	29.395
Es(m)	8.349	e(%)	10.00%	Es(m)	24.361	e(%)	10.00%	Es(m)	1.161	e(%)	10.00%	Es(m)	11.326	e(%)	10.00%	Es(m)	29.919	e(%)	8.89%	Es(m)	6.716	e(%)	10.00%	Es(m)	1.047	e(%)	10.00%	Es(m)	1.691	e(%)	10.00%
V(km/hr)	30	We(m)	1.5	V(km/hr)	30	We(m)	1.5	V(km/hr)	40	We(m)	1.2	V(km/hr)	40	We(m)	1.2	V(km/hr)	40	We(m)	0.9	V(km/hr)	40	We(m)	1.2	V(km/hr)	40	We(m)	1.2	V(km/hr)	40	We(m)	1.2
CurveType	LEFT			CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT			CurveType	RIGHT		

R7	AUG 2023	FINAL DPR
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT
R3	JULY 2018	DETAILED PROJECT REPORT
REV.	DATE	DESCRIPTION OF REVISIONS

CLIENT:

National Highways & Infrastructure Development Corporation Limited.
3rd Floor, PTI building, 4-Parliament Street, New Delhi-110001

PROJECT:

Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'

DPR CONSULTANT:

Shweta Technophile Consultants Pvt. Ltd.
(222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indrapuram, Ghaziabad, UP-201014)

DRAWN BY	ASHISH RAWAT
DESIGN BY	RAM SONKAR
CHECKED BY	GEETA JINDAL
HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200

TITLE:

PLAN AND PROFILE
FROM CH:27+000 TO CH:28+000

DRAWING NO.
NHIDCL/PANGO-JORGING/STC/PP- 51

A3

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY PROW

CULVERT

MAJOR/MINOR BRIDGE

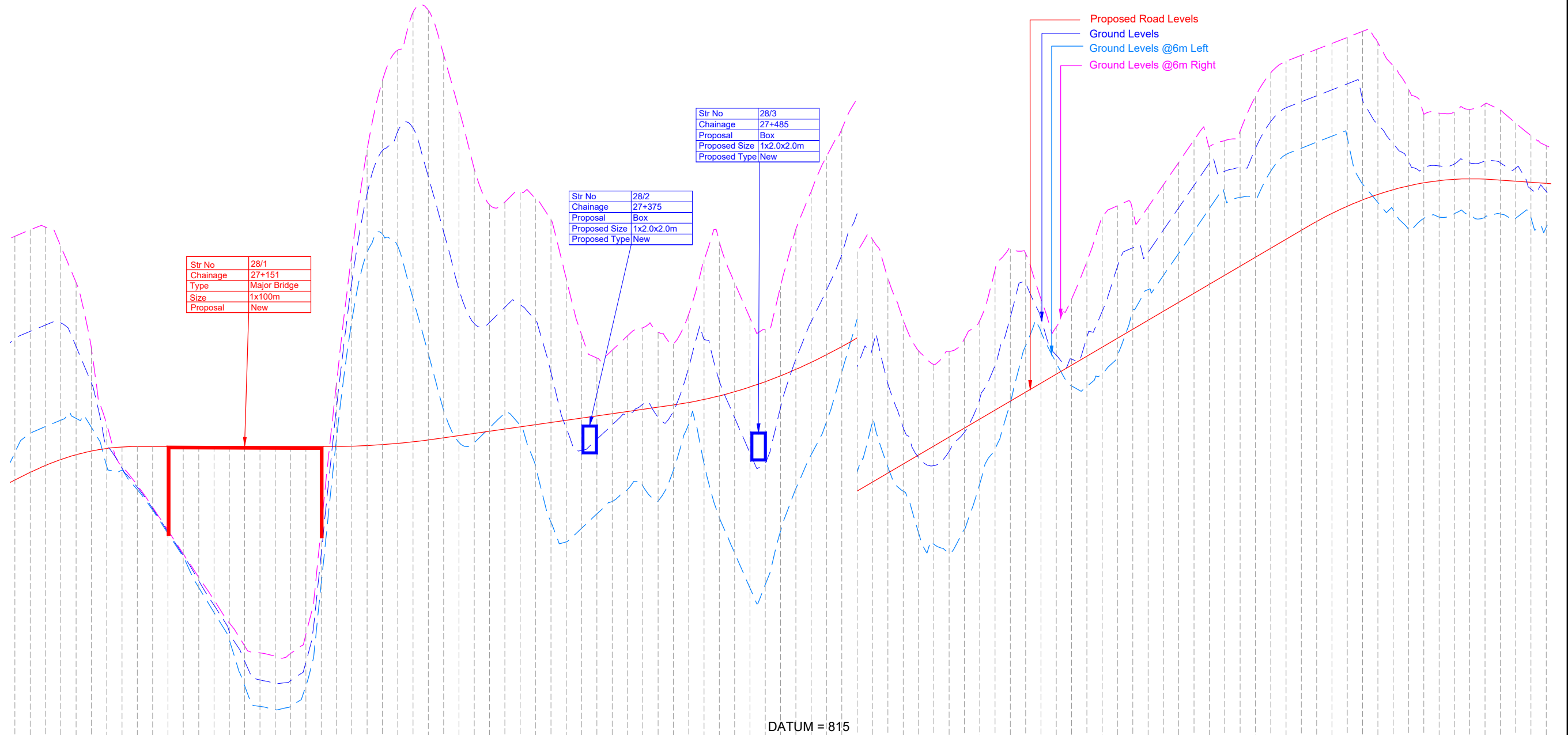
PROFILE:-

PROP. ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



Chainage	Horizontal Alignment	Vertical Alignment	Ground Levels @6m Right	Ground Levels @6m Left	Ground Levels	Proposed Road Levels
-27000.000	3.277	R =1402.248 L =70.000 G =0.000% L =126.040 R =4905.322 L =70.000 G =1.427% L =155.084 R =2700.358 L =120.000 G =5.871% L =293.639 R =1828.719 L =120.000	837.836	823.706	831.122	821.914
-27010.000			838.250	824.945	831.623	822.413
-27020.000	R: 30.000 L: 40.347		838.425	825.411	832.036	822.868
-27030.000			837.180	825.823	832.171	823.252
-27040.000	L =112.386		834.799	825.939	830.624	823.565
-27050.000			830.505	825.345	828.242	823.806
-27060.000			825.532	822.815	824.195	823.976
-27070.000			822.801	822.561	822.685	824.074
-27080.000			821.572	821.289	821.445	824.102
-27090.000			820.135	819.945	820.042	824.102
-27100.000	L =112.386		818.612	818.426	818.520	824.102
-27110.000			817.084	816.899	816.993	824.102
-27120.000			815.578	816.908	815.353	824.102
-27130.000			814.090	813.275	813.761	824.102
-27140.000			812.586	811.482	812.018	824.102
-27150.000			811.093	808.497	810.081	824.102
-27160.000	L =112.386		810.632	807.133	808.864	824.102
-27170.000			810.410	806.926	808.639	824.102
-27180.000			810.590	807.131	808.811	824.102
-27190.000			811.827	808.475	810.017	824.102
-27200.000	L =112.386		818.796	815.106	817.056	824.102
-27210.000			828.239	824.605	824.605	824.105
-27220.000			836.703	832.302	834.810	824.125
-27230.000			843.481	836.785	840.604	824.167
-27240.000			847.992	837.972	843.433	824.228
-27250.000			849.983	837.179	844.668	824.310
-27260.000	L =86.002		852.452	833.739	844.904	824.412
-27270.000			852.588	830.152	841.713	824.535
-27280.000			849.682	826.479	838.123	824.675
-27290.000			846.088	824.366	834.346	824.818
-27300.000	L =86.002		842.232	824.347	832.129	824.960
-27310.000			839.889	825.334	832.209	825.103
-27320.000			840.072	826.281	833.196	825.246
-27330.000			840.687	825.496	833.357	825.388
-27340.000			840.281	825.806	832.332	825.531
-27350.000			838.965	819.175	828.943	825.674
-27360.000	L =86.002		835.074	817.872	825.319	825.816
-27370.000			831.421	818.760	823.850	825.959
-27380.000			829.888	819.699	824.573	826.102
-27390.000			830.387	820.511	825.512	826.245
-27400.000	L =94.499		831.327	821.290	826.203	826.387
-27410.000			831.850	821.520	826.870	826.530
-27420.000			831.574	820.534	826.016	826.673
-27430.000			830.807	822.554	826.424	826.815
-27440.000			832.745	825.560	829.270	826.977
-27450.000			836.289	823.012	831.106	827.175
-27460.000	L =94.499		837.477	819.463	828.400	827.411
-27470.000			832.506	817.148	825.973	827.683
-27480.000			832.508	814.858	823.684	827.993
-27490.000			831.733	815.084	823.013	828.339
-27500.000			834.586	818.597	826.664	828.723
-27510.000			838.314	821.362	829.837	829.143
-27520.000			840.768	823.583	832.862	829.601
-27530.000			843.045	825.719	834.314	830.096
-27540.000			844.846	828.978	836.642	830.627
-27550.000			846.822	832.415	839.321	831.196
-27560.000	L =100.174		847.626	835.724	840.563	831.783
-27570.000			845.114	832.784	838.206	832.370
-27580.000			842.380	831.196	835.369	832.958
-27590.000			840.368	828.485	833.391	833.545
-27600.000			839.465	827.725	832.844	834.132
-27610.000			840.316	827.159	833.780	834.719
-27620.000			841.126	828.697	835.028	835.306
-27630.000			842.334	831.650	837.223	835.893
-27640.000			845.625	833.958	839.387	836.480
-27650.000			846.989	836.932	842.547	837.067
-27660.000			846.700	840.677	844.787	837.654
-27670.000			843.738	841.602	842.464	838.241
-27680.000	L =100.174		843.912	839.547	840.070	838.828
-27690.000			843.726	838.058	839.802	839.415
-27700.000			846.190	838.024	841.238	840.003
-27710.000			849.100	838.877	842.931	840.590
-27720.000			849.828	840.069	845.882	841.177
-27730.000			849.476	843.059	847.091	841.764
-27740.000			849.749	844.354	846.785	842.351
-27750.000			851.206	845.281	848.242	842.938
-27760.000			852.663	846.738	849.699	843.525
-27770.000			854.119	848.194	851.156	844.112
-27780.000	L =74.786		853.692	849.651	852.606	844.699
-27790.000			854.083	850.508	852.084	845.286
-27800.000			854.669	850.373	852.313	845.873
-27810.000			856.962	850.372	853.556	846.461
-27820.000			858.501	852.092	855.322	847.048
-27830.000			859.255	853.176	856.218	847.635
-27840.000			859.645	853.585	856.615	848.222
-27850.000			860.036	853.975	857.005	848.798
-27860.000			860.426	854.366	857.396	849.322
-27870.000			860.817	854.271	857.786	849.792
-27880.000	L =74.786		861.207	851.247	856.750	850.208
-27890.000			860.488	850.039	855.125	850.568
-27900.000			857.451	849.560	853.868	850.874
-27910.000			858.970	849.300	852.764	851.126
-27920.000			855.795	849.009	852.290	851.326
-27930.000			855.877	849.081	852.430	851.464
-27940.000			855.950	849.303	852.555	851.551
-27950.000			856.117	849.193	852.618	851.584
-27960.000			856.486	849.102	852.780	851.562
-27970.000			856.082	849.266	852.622	851.496
-27980.000			855.222	849.014	852.283	851.427
-27990.000			854.405	849.023	850.911	851.358
-28000.000			853.749	848.427	850.761	851.289

R7	AUG 2023	FINAL DPR	 CLIENT: National Highways & Infrastructure Development Corporation Limited. 3rd Floor, PTI building, 4-Parliament Street, New Delhi-110001	PROJECT: Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'	DPR CONSULTANT:  Shweta Technophile Consultants Pvt. Ltd. (222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)	DRAWN BY	ASHISH RAWAT	TITLE: PLAN AND PROFILE FROM CH:27+000 TO CH:28+000		
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT				DESIGN BY	RAM SONKAR			
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT				CHECKED BY	GEETA JINDAL			
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT				HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200	DRAWING NO. NHIDCL/PANGO-JORGING/STC/PP- 52		A3
R3	JULY 2018	DETAILED PROJECT REPORT								
REV.	DATE	DESCRIPTION OF REVISIONS								

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

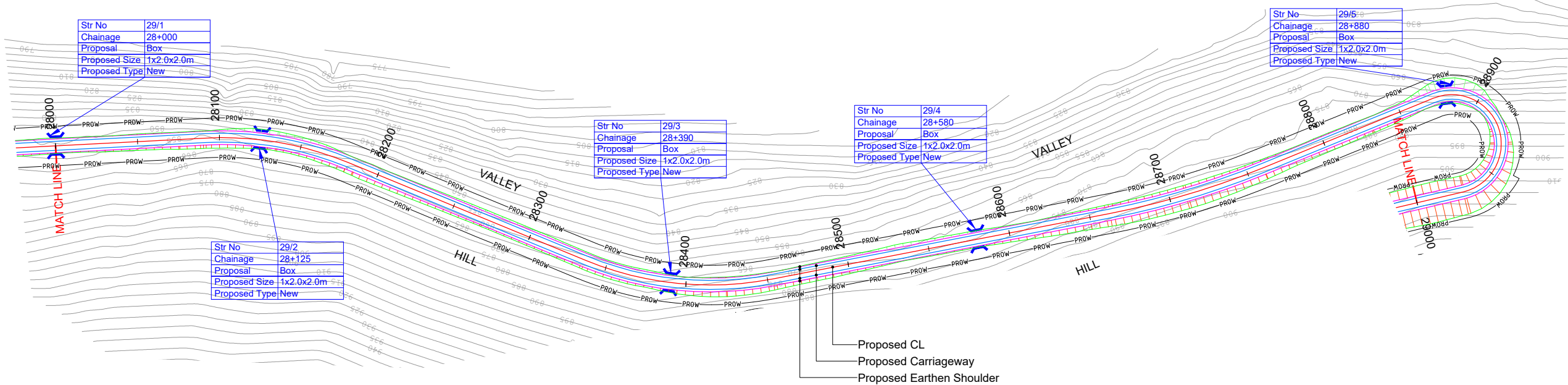
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 211 AT CH. 28135.859				HIP NO. 212 AT CH. 28394.901				HIP NO. 213 AT CH. 28711.37				HIP NO. 214 AT CH. 28921.583			
X = 658946.111		Y = 3195176.783		X = 658760.881		Y = 3195361.332		X = 658449.018		Y = 3195425.143		X = 658666.859		Y = 3195423.893	
R (m)	200	Ls (m)		R (m)	200	Ls (m)		R (m)	500	Ls (m)		R (m)	30	Ls (m)	
Dc(deg)	25.3285	S(m)		Dc(deg)	33.331	S(m)		Dc(deg)	11.2349	S(m)		Dc(deg)	189.0588	S(m)	
Lc(m)	88.41	Ts(deg)		Lc(m)	116.35	Ts(deg)		Lc(m)	98.04	Ts(deg)		Lc(m)	98.99	Ts(deg)	
Ts(m)	44.941	Δ(deg)	25.3285	Ts(m)	59.872	Δ(deg)	33.331	Ts(m)	49.179	Δ(deg)	11.2349	Ts(m)	-378.698	Δ(deg)	189.0588
Es(m)	4.987	e(%)	5.56%	Es(m)	8.769	e(%)	5.56%	Es(m)	2.413	e(%)	-2.50%	Es(m)	-409.885	e(%)	10.00%
V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	Nil	V(km/hr)	30	We(m)	1.5
CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT		

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

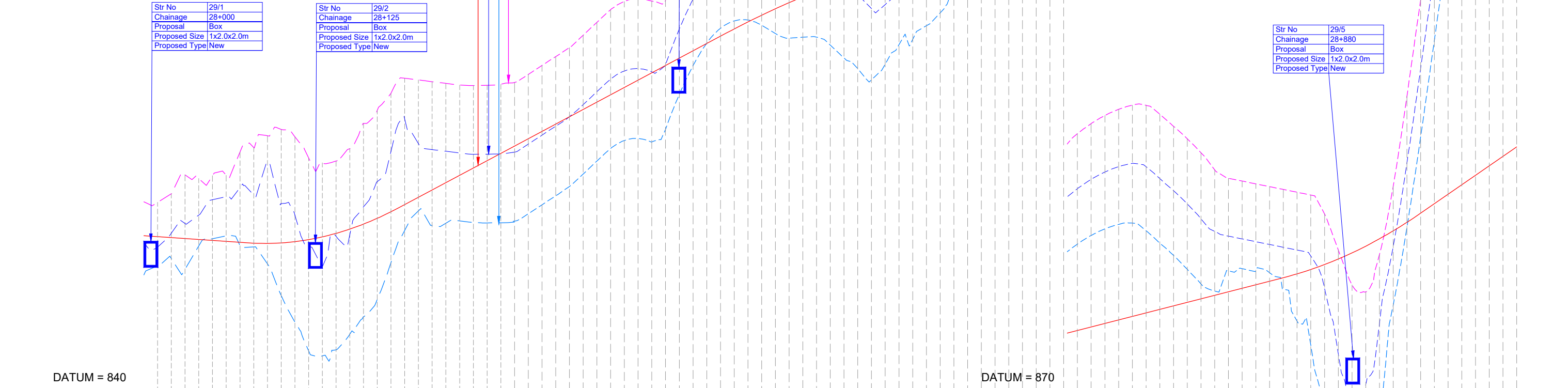
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



Proposed Road Levels	851.289 851.220 851.151 851.082 851.012 850.943 850.874 850.805 850.741 850.723 850.760 850.852 850.998 851.199 851.455 851.765 852.130 852.550 853.025 853.549 854.082 854.615 855.148 855.681 856.213 856.746 857.279 857.812 858.345 858.878 859.411 859.944 860.476 861.009 861.542 862.075 862.608 863.141 863.674 864.207 864.740 865.273 865.805 866.335 866.845 867.334 867.802 868.249 868.674 869.078 869.480 869.821 870.162 870.480 870.778 871.054 871.312 871.569 871.825 872.081 872.337 872.594 872.850 873.106 873.362 873.619 873.875 874.131 874.387 874.644 874.900 875.156 875.412 875.669 875.925 876.181 876.437 876.693 876.950 877.206 877.462 877.718 877.975 878.231 878.488 878.744 879.000 879.256 879.512 879.768 880.024 880.280 880.536 880.792 881.048 881.304 881.560 881.816 882.072 882.328 882.584 882.840 883.096 883.352 883.608 883.864 884.120 884.376 884.632 884.888 885.144 885.400 885.656 885.912 886.168 886.424 886.680 886.936 887.192 887.448 887.704 887.960 888.216 888.472 888.728 888.984 889.240 889.496 889.752 889.999 890.255 890.511 890.767 891.023 891.279 891.535 891.791 892.047 892.303 892.559 892.815 893.071 893.327 893.583 893.839 894.095 894.351 894.607 894.863 895.119 895.375 895.631 895.887 896.143 896.399 896.655 896.911 897.167 897.423 897.679 897.935 898.191 898.447 898.703 898.959 899.215 899.471 899.727 900.000
Ground Levels	850.761 850.457 851.151 851.082 851.012 850.943 850.874 850.805 850.741 850.723 850.760 850.852 850.998 851.199 851.455 851.765 852.130 852.550 853.025 853.549 854.082 854.615 855.148 855.681 856.213 856.746 857.279 857.812 858.345 858.878 859.411 859.944 860.476 861.009 861.542 862.075 862.608 863.141 863.674 864.207 864.740 865.273 865.805 866.335 866.845 867.334 867.802 868.249 868.674 869.078 869.480 869.821 870.162 870.480 870.778 871.054 871.312 871.569 871.825 872.081 872.337 872.594 872.850 873.106 873.362 873.619 873.875 874.131 874.387 874.644 874.900 875.156 875.412 875.669 875.925 876.181 876.437 876.693 876.950 877.206 877.462 877.718 877.975 878.231 878.488 878.744 879.000 879.256 879.512 879.768 880.024 880.280 880.536 880.792 881.048 881.304 881.560 881.816 882.072 882.328 882.584 882.840 883.096 883.352 883.608 883.864 884.120 884.376 884.632 884.888 885.144 885.400 885.656 885.912 886.168 886.424 886.680 886.936 887.192 887.448 887.704 887.960 888.216 888.472 888.728 888.984 889.240 889.496 889.752 889.999 890.255 890.511 890.767 891.023 891.279 891.535 891.791 892.047 892.303 892.559 892.815 893.071 893.327 893.583 893.839 894.095 894.351 894.607 894.863 895.119 895.375 895.631 895.887 896.143 896.399 896.655 896.911 897.167 897.423 897.679 897.935 898.191 898.447 898.703 898.959 899.215 899.471 899.727 900.000
Ground Levels @6m Left	848.427 849.091 849.619 848.850 850.542 851.064 851.272 850.569 850.472 849.231 846.942 845.012 842.898 842.535 842.975 844.114 845.377 846.642 849.335 851.664 853.091 852.026 852.199 852.364 852.251 852.218 852.233 852.215 852.227 852.238 852.349 852.880 853.534 853.675 854.318 854.975 855.678 856.418 857.133 857.822 858.502 859.179 859.849 860.516 861.183 861.850 862.517 863.184 863.851 864.518 865.185 865.852 866.519 867.186 867.853 868.520 869.187 869.854 870.521 871.188 871.855 872.522 873.189 873.856 874.523 875.190 875.857 876.524 877.191 877.858 878.525 879.192 879.859 880.526 881.193 881.860 882.527 883.194 883.861 884.528 885.195 885.862 886.529 887.196 887.863 888.530 889.197 889.864 890.531 891.198 891.865 892.532 893.199 893.866 894.533 895.200 895.867 896.534 897.201 897.868 898.535 899.202 899.869 900.536 901.203 901.870 902.537 903.204 903.871 904.538 905.205 905.872 906.539 907.206 907.873 908.540 909.207 909.874 910.541 911.208 911.875 912.542 913.209 913.876 914.543 915.210 915.877 916.544 917.211 917.878 918.545 919.212 919.879 920.546 921.213 921.880 922.547 923.214 923.881 924.548 925.215 925.882 926.549 927.216 927.883 928.550 929.217 929.884 930.551 931.218 931.885 932.552 933.219 933.886 934.553 935.220 935.887 936.554 937.221 937.888 938.555 939.222 939.889 940.556 941.223 941.890 942.557 943.224 943.891 944.558 945.225 945.892 946.559 947.226 947.893 948.560 949.227 949.894 950.561 951.228 951.895 952.562 953.229 953.896 954.563 955.230 955.897 956.564 957.231 957.898 958.565 959.232 959.899 960.566 961.233 961.900 962.567 963.234 963.901 964.568 965.235 965.902 966.569 967.236 967.903 968.570 969.237 969.904 970.571 971.238 971.905 972.572 973.239 973.906 974.573 975.240 975.907 976.574 977.241 977.908 978.575 979.242 979.909 980.576 981.243 981.910 982.577 983.244 983.911 984.578 985.245 985.912 986.579 987.246 987.913 988.580 989.247 989.914 990.581 991.248 991.915 992.582 993.249 993.916 994.583 995.250 995.917 996.584 997.251 997.918 998.585 999.252 999.919 1000.586 1001.253 1001.920 1002.587 1003.254 1003.921 1004.588 1005.255 1005.922 1006.589 1007.256 1007.923 1008.590 1009.257 1009.924 1010.591 1011.258 1011.925 1012.592 1013.259 1013.926 1014.593 1015.260 1015.927 1016.594 1017.261 1017.928 1018.595 1019.262 1019.929 1020.596 1021.263 1021.930 1022.597 1023.264 1023.931 1024.598 1025.265 1025.932 1026.600 1027.267 1027.934 1028.601 1029.268 1029.935 1030.602 1031.269 1031.936 1032.603 1033.270 1033.937 1034.604 1035.271 1035.938 1036.605 1037.272 1037.939 1038.606 1039.273 1039.940 1040.607 1041.274 1041.941 1042.608 1043.275 1043.942 1044.609 1045.276 1045.943 1046.610 1047.277 1047.944 1048.611 1049.278 1049.945 1050.612 1051.279 1051.946 1052.613 1053.280 1053.947 1054.614 1055.281 1055.948 1056.615 1057.282 1057.949 1058.616 1059.283 1059.950 1060.617 1061.284 1061.951 1062.618 1063.285 1063.952 1064.619 1065.286 1065.953 1066.620 1067.287 1067.954 1068.621 1069.288 1069.955 1070.622 1071.289 1071.956 1072.623 1073.290 1073.957 1074.624 1075.291 1075.958 1076.625 1077.292 1077.959 1078.626 1079.293 1079.960 1080.627 1081.294 1081.961 1082.628 1083.295 1083.962 1084.629 1085.296 1085.963 1086.630 1087.297 1087.964 1088.631 1089.298 1089.965 1090.632 1091.299 1091.966 1092.633 1093.300 1093.967 1094.634 1095.301 1095.968 1096.635 1097.302 1097.969 1098.636 1099.303 1099.970 1100.637 1101.304 1101.971 1102.638 1103.305 1103.972 1104.639 1105.306 1105.973 1106.640 1107.307 1107.974 1108.641 1109.308 1109.975 1110.642 1111.309 1111.976 1112.643 1113.310 1113.977 1114.644 1115.311 1115.978 1116.645 1117.312 1117.979 1118.646 1119.313 1119.980 1120.647 1121.314 1121.981 1122.648 1123.315 1123.982 1124.649 1125.316 1125.983 1126.650 1127.317 1127.984 1128.651 1129.318 1129.985 1130.652 1131.319 1131.986 1132.653 1133.320 1133.987 1134.654 1135.321 1135.988 1136.655 1137.322 1137.989 1138.656 1139.323 1139.990 1140.657 1141.324 1141.991 1142.658 1143.325 1143.992 1144.659 1145.326 1145.993 1146.660 1147.327 1147.994 1148.661 1149.328 1149.995 1150.662 1151.329 1151.996 1152.663 1153.330 1153.997 1154.664 1155.331 1155.998 1156.665 1157.332 1157.999 1158.666 1159.333 1159.996 1160.663 1161.330 1161.997 1162.664 1163.331 1163.998 1164.665 1165.332 1165.999 1166.666 1167.333 1167.996 1168.663 1169.330 1169.997 1170.664 1171.331 1171.998 1172.665 1173.332 1173.999 1174.666 1175.333 1175.996 1176.663 1177.330 1177.997 1178.664 1179.331 1179.998 1180.665 1181.332 1181.999 1182.666 1183.333 1183.996 1184.663 1185.330 1185.997 1186.664 1187.331 1187.998 1188.665 1189.332 1189.999 1190.666 1191.333 1191.996 1192.663 1193.330 1193.997 1194.664 1195.331 1195.998 1196.665 1197.332 1197.999 1198.666 1199.333 1199.996 1200.663 1201.330 1201.997 1202.664 1203.331 1203.998 1204.665 1205.332 1205.999 1206.666 1207.333 1207.996 1208.663 1209.330 1209.997 1210.664 1211.331 1211.998 1212.665 1213.332 1213.999 1214.666 1215.333 1215.996 1216.663 1217.330 1217.997 1218.664 1219.331 1219.998 1220.665 1221.332 1221.999 1222.666 1223.333 1223.996 1224.663 1225.330 1225.997 1226.664 1227.331 1227.998 1228.665 1229.332 1229.999 1230.666 1231.333 1231.996 1232.663 1233.330 1233.997 1234.664 1235.331 1235.998 1236.665 1237.332 1237.999 1238.666 1239.333 1239.996 1240.663 1241.330 1241.997 1242.664 1243.331 1243.998 1244.665 1245.332 1245.999 1246.666 1247.333 1247.996 1248.663 1249.330 1249.997 1250.664 1251.331 1251.998 1252.665 1253.332 1253.999 1254.666 1255.333 1255.996 1256.663 1257.330 1257.997 1258.664 1259.331 1259.998 1260.665 1261.332 1261.999 1262.666 1263.333 1263.996 1264.663 1265.330 1265.997 1266.664 1267.331 1267.998 1268.665 1269.332 1269.999 1270.666 1271.333 1271.996 1272.663 1273.330 1273.997 1274.664 1275.331 1275.998 1276.665 1277.332 1277.999 1278.666 1279.333 1279.996 1280.663 1281.330 1281.997 1282.664 1283.331 1283.998 1284.665 1285.332 1285.999 1286.666 1287.333 1287.996 1288.663 1289.330 1289.997 1290.664 1291.331 1291.998 1292.665 1293.332 1293.999 1294.666 1295.333 1295.996 1296.663 1297.330 1297.997 1298.664 1299.331 1299.998 1300.665 1301.332 1301.999 1302.666 1303.333 1303.996 1304.663 1305.330 1305.997 1306.664 1307.331 1307.998 1308.665 1309.332 1309.999 1310.666 1311.333 1311.996 1312.663 1313.330 1313.997 1314.664 1315.331 1315.998 1316.665 1317.332 1317.999 1318.666 1319.333 1319.996 1320.663 1321.330 1321.997 1322.664 1323.331 1323.998 1324.665 1325.332 1325.999 1326.666 1327.333 1327.996 1328.663 1329.330 1329.997 1330.664 1331.331 1331.998 1332.665 1333.332 1333.999 1334.666 1335.333 1335.996 1336.663 1337.330 1337.997 1338.664 1339.331 1339.998 1340.665 1341.332 1341.999 1342.666 1343.333 1343.996 1344.663 1345.330 1345.997 1346.664 1347.331 1347.998 1348.665 1349.332 1349.999 1350.666 1351.333 1351.996 1352.663 1353.330 1353.997 1354.664 1355.331 1355.998 1356.665 1357.332 1357.999 1358.666 1359.333 1359.996 1360.663 1361.330 1361.997 1362.664 1363.331 1363.998 1364.665 1365.332 1365.999 1366.666 1367.333 1367.996 1368.663 1369.330 1369.997 1370.664 1371.331 1371.998 1372.665 1373.332 1373.999 1374.666 1375.333 1375.996 1376.663 1377.330 1377.997 1378.664 1379.331 1379.998 1380.665 1381.332 1381.999 1382.666 1383.333 1383.996 1384.663 1385.330 1385.997 1386.664 1387.331 1387.998 1388.665 1389.332 1389.999 1390.666 1391.333 1391.996 1392.663 1393.330 1393.997 1394.664 1395.331 1395.998 1396.665 1397.332 1397.999 1398.666 1399.333 1399.996 1400.663 1401.330 1401.997 1402.664 1403.331 1403.998 1404.665 1405.332 1405.999 1406.666 1407.333 1407.996 1408.663 1409.330 1409.997 1410.664 1411.331 1411.998 1412.665 1413.332 1413.999 1414.666 1415.333 1415.996 1416.663 1417.330 1417.997 1418.664 1419.331 1419.998 1420.665 1421.332 1421.999 1422.666 1423.333 1423.996 1424.663 1425.330 1425.997 1426.664 1427.331 1427.998 14

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

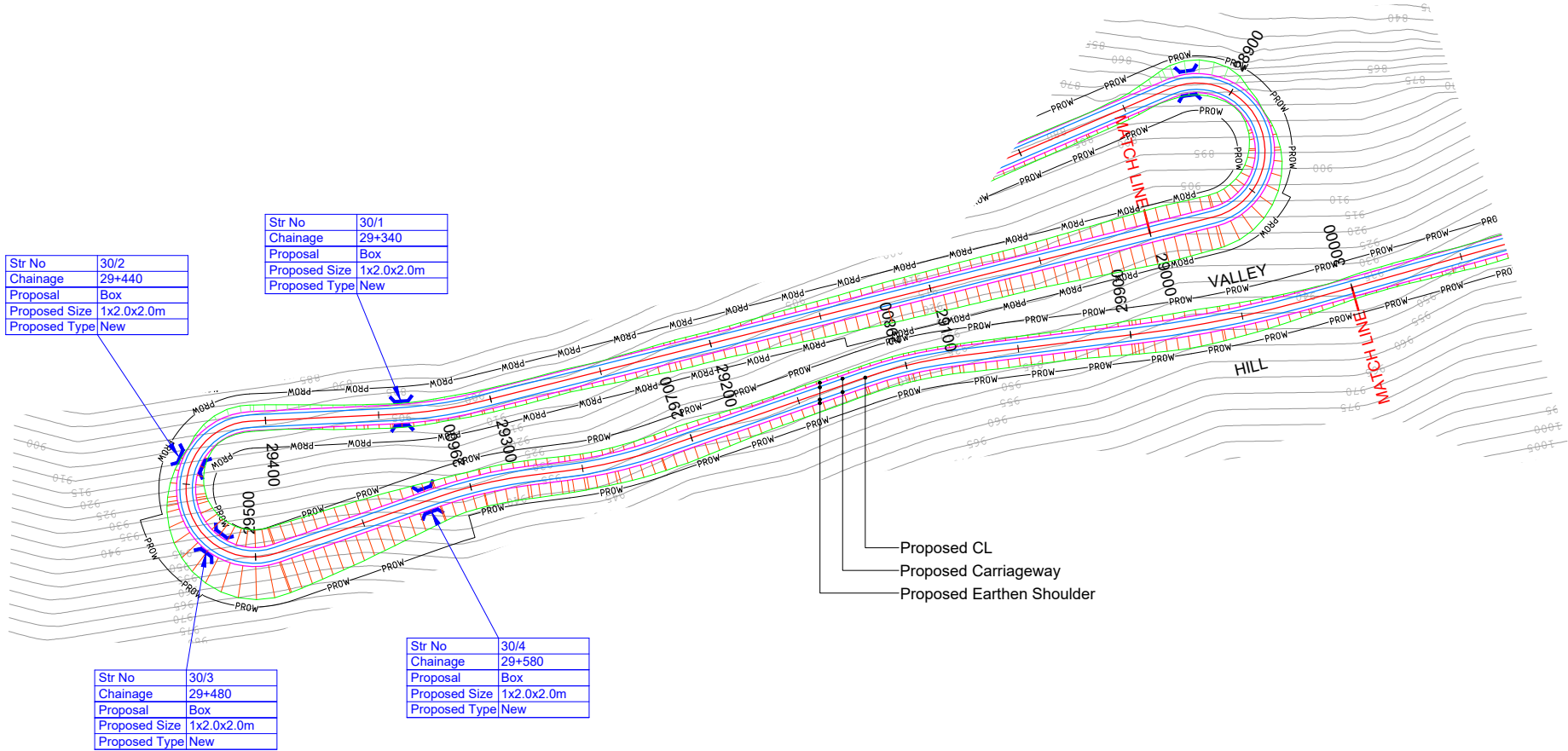
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 215 AT CH. 29324.008			
X = 658641.48		Y = 3195428.088	
R (m)	200	Ls (m)	
Dc(deg)	11.4319	S(m)	
Lc(m)	39.9	Ts(deg)	
Ts(m)	20.019	Δ(deg)	11.4319
Es(m)	0.999	e(%)	5.56%
V(km/hr)	50	We(m)	0.6
CurveType	RIGHT		

HIP NO. 216 AT CH. 29457.932				
X = 658525.553		Y = 3195472.17		
R (m)	30	Ls (m)		
Dc(deg)	196.5264	S(m)		
Lc(m)	102.9	Ts(deg)		
Ts(m)	-206.57	Δ(deg)	196.5264	
Es(m)	-238.738	e(%)	10.00%	
V(km/hr)	30	We(m)	1.5	
CurveType	RIGHT			

HIP NO. 217 AT CH. 29605.458			
X = 658635.654		Y = 3195463.906	
R (m)	200	Ls (m)	
Dc(deg)	12.031	S(m)	
Lc(m)	42	Ts(deg)	
Ts(m)	21.075	Δ(deg)	12.031
Es(m)	1.107	e(%)	5.56%
V(km/hr)	50	We(m)	0.6
CurveType	LEFT		

HIP NO. 218 AT CH. 29663.691			
X = 658579.621		Y = 3195480.316	
R (m)	200	Ls (m)	
Dc(deg)	11.9562	S(m)	
Lc(m)	41.74	Ts(deg)	
Ts(m)	20.944	Δ(deg)	11.9562
Es(m)	1.094	e(%)	5.56%
V(km/hr)	50	We(m)	0.6
CurveType	LEFT		

HIP NO. 219 AT CH. 29802.201			
X = 658441.358		Y = 3195490.874	
R (m)	200	Ls (m)	
Dc(deg)	12.1688	S(m)	
Lc(m)	42.48	Ts(deg)	
Ts(m)	21.319	Δ(deg)	12.1688
Es(m)	1.133	e(%)	5.56%
V(km/hr)	50	We(m)	0.6
CurveType	RIGHT		

HIP NO. 220 AT CH. 29940.968			
X = 658308.182		Y = 3195530.413	
R (m)	500	Ls (m)	
Dc(deg)	8.7216	S(m)	
Lc(m)	76.11	Ts(deg)	
Ts(m)	38.129	Δ(deg)	8.7216
Es(m)	1.452	e(%)	-2.50%
V(km/hr)	50	We(m)	Nil
CurveType	LEFT		

R7	AUG 2023	FINAL DPR
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT
R3	JULY 2018	DETAILED PROJECT REPORT
REV.	DATE	DESCRIPTION OF REVISIONS

CLIENT:



National Highways & Infrastructure Development Corporation Limited.
3rd Floor, PTI building, 4-Parliament Street, New Delhi-11001

PROJECT:

Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'

DPR CONSULTANT:



Shweta Technophile Consultants Pvt. Ltd.
(222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)

DRAWN BY	ASHISH RAWAT
DESIGN BY	RAM SONKAR
CHECKED BY	GEETA JINDAL
HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200

TITLE:

PLAN AND PROFILE
FROM CH:29+000 TO 30+000

DRAWING NO.
MORT&H/PANGO-JORGING/STC/PP- 55

A3

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

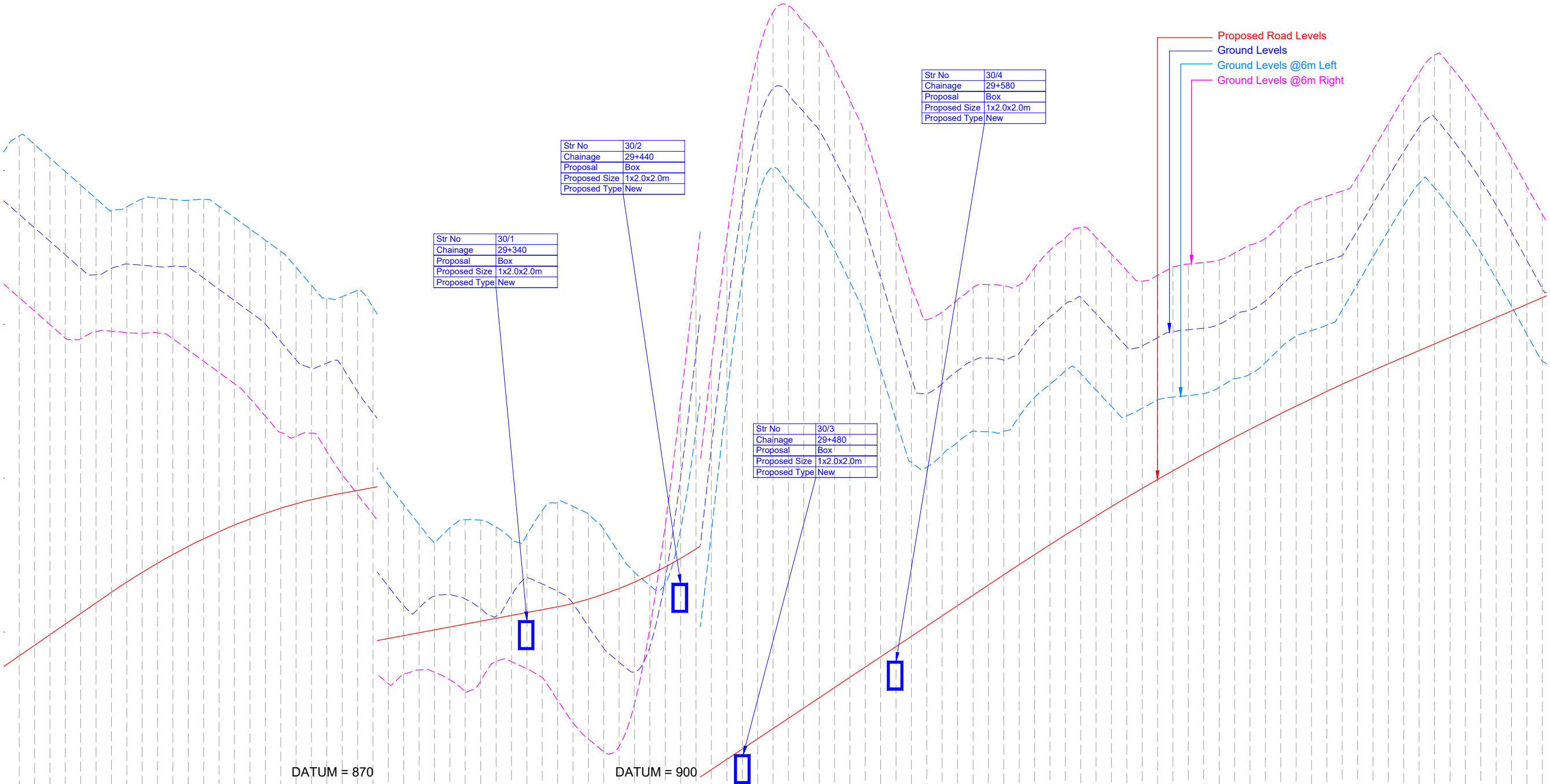
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT

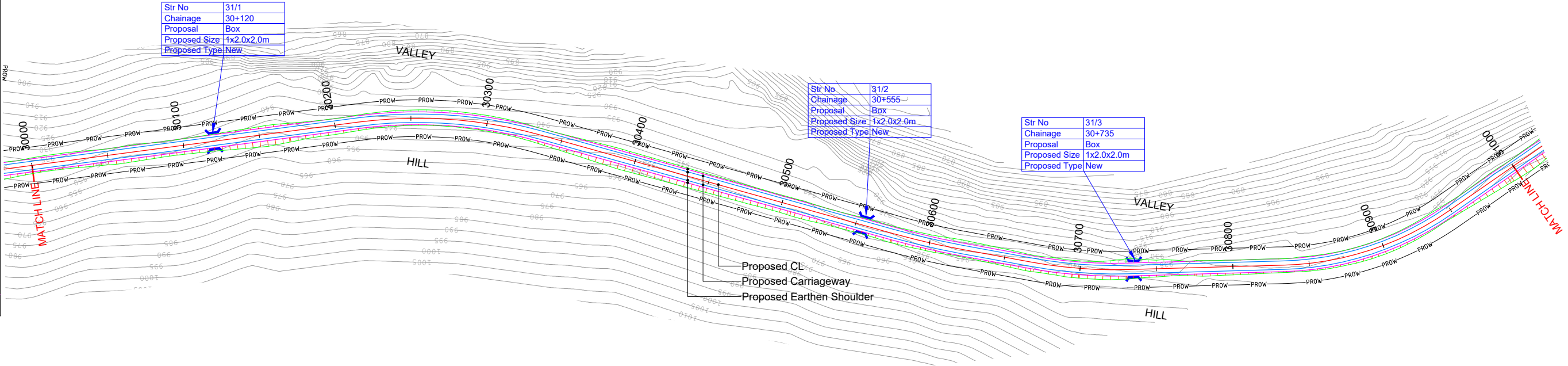


Chainage	Horizontal Alignment		Vertical Alignment	Ground Levels @6m Right		Ground Levels @6m Left		Ground Levels		Proposed Road Levels											
	L = 332.977			R: 200.000 L: 39.905		R: 200.000 L: 102.901		R: 200.000 L: 75.078		R: 200.000 L: 41.996		R: 200.000 L: 16.367		R: 200.000 L: 41.735		R: 200.000 L: 96.404		R: 200.000 L: 42.477		R: 200.000 L: 79.473	
29000.000	912.618	921.187	G = 6.900% L = 136.133	911.739	922.224	917.151	918.030	917.151	887.751	888.441	889.131										
29010.000	910.859	921.686										916.271	889.131	889.821							
29020.000	909.980	920.806	915.392	890.511	891.201	891.891															
29030.000	909.051	919.927	914.512	891.201	891.891	892.580															
29040.000	909.514	918.168	913.216	891.891	892.580	893.270															
29050.000	909.551	917.378	913.620	892.580	893.270	893.960															
29060.000	909.459	917.623	913.923	893.960	894.650	895.340															
29070.000	909.400	918.142	914.831	894.650	895.340	896.030															
29080.000	909.441	918.203	915.742	895.340	896.030	896.720															
29090.000	909.051	918.111	913.772	896.030	896.720	897.410															
29100.000	908.320	918.057	913.722	896.720	897.410	898.100															
29110.000	907.590	918.122	912.991	897.410	898.100	898.790															
29120.000	906.859	917.663	912.660	898.100	898.790	899.480															
29130.000	906.128	916.932	911.529	898.790	899.480	900.170															
29140.000	905.181	916.202	910.799	899.480	900.170	900.860															
29150.000	904.028	915.471	910.010	900.170	900.860	901.550															
29160.000	902.964	914.740	909.864	900.860	901.550	902.240															
29170.000	902.723	913.702	907.692	901.550	902.240	902.930															
29180.000	902.916	912.531	907.125	902.240	902.930	903.620															
29190.000	901.734	911.682	907.465	903.620	904.310	904.400															
29200.000	900.225	911.792	907.219	904.400	905.090	905.780															
29210.000	898.934	912.207	905.619	905.090	905.780	906.470															
29220.000	897.643	911.107	904.248	905.780	906.470	907.160															
29230.000	896.645	909.569	902.957	906.470	907.160	907.850															
29240.000	897.296	908.275	901.715	907.160	907.850	908.540															
29250.000	897.531	906.984	901.159	907.850	908.540	909.230															
29260.000	897.371	905.794	902.328	908.540	909.230	909.920															
29270.000	896.899	906.774	902.435	909.230	909.920	910.610															
29280.000	896.102	907.294	902.140	909.920	910.610	911.300															
29290.000	896.814	907.263	901.517	910.610	911.300	911.990															
29300.000	898.084	906.826	901.015	911.300	911.990	912.680															
29310.000	898.074	906.054	902.387	911.990	912.680	913.370															
29320.000	897.613	906.302	903.544	912.680	913.370	914.060															
29330.000	897.038	907.891	903.117	913.370	914.060	914.750															
29340.000	895.568	908.438	902.644	914.060	914.750	915.440															
29350.000	894.099	908.161	901.865	914.750	915.440	916.130															
29360.000	893.045	907.663	900.351	915.440	916.130	916.820															
29370.000	892.215	906.652	898.929	916.130	916.820	917.510															
29380.000	892.576	905.137	898.029	916.820	917.510	918.200															
29390.000	895.339	903.891	897.388	917.510	918.200	918.890															
29400.000	900.280	903.015	899.051	918.200	918.890	919.580															
29410.000	906.954	903.139	903.458	918.890	919.580	920.270															
29420.000	914.941	906.673	910.096	919.580	920.270	920.960															
29430.000	923.660	913.152	918.231	920.270	920.960	921.650															
29440.000	932.446	921.489	927.029	920.960	921.650	922.340															
29450.000	940.618	930.238	935.543	921.650	922.340	923.030															
29460.000	947.480	937.914	942.734	922.340	923.030	923.720															
29470.000	952.475	943.202	947.839	923.030	923.720	924.410															
29480.000	955.279	945.185	950.320	923.720	924.410	925.100															
29490.000	955.698	944.117	950.003	924.410	925.100	925.790															
29500.000	954.628	942.953	948.789	925.100	925.790	926.480															
29510.000	953.453	941.618	947.603	925.790	926.480	927.170															
29520.000	951.681	939.804	945.740	926.480	927.170	927.860															
29530.000	949.633	937.759	943.711	927.170	927.860	928.550															
29540.000	947.232	935.342	941.296	927.860	928.550	929.240															
29550.000	943.997	932.043	938.016	928.550	929.240	929.930															
29560.000	940.699	928.744	934.717	929.240	929.930	930.620															
29570.000	937.419	926.038	931.484	929.930	930.620	931.310															
29580.000	935.299	925.710	930.498	930.620	931.310	931.999															
29590.000	935.794	926.517	931.131	931.310	931.999	932.688															
29600.000	936.599	927.327	931.980	931.999	932.688	933.377															
29610.000	937.391	928.044	932.625	932.688	933.377	934.066															
29620.000	937.577	928.015	932.797	933.377	934.066	934.755															
29630.000	937.513	928.034	932.664	934.066	934.755	935.444															
29640.000	937.549	929.009	933.111	934.755	935.444	936.133															
29650.000	938.671	930.235	934.483	935.444	936.133	936.822															
29660.000	939.801	931.087	935.464	936.133	936.822	937.511															
29670.000	940.632	931.979	936.317	936.822	937.511	938.200															
29680.000	941.271	931.797	936.753	937.511	938.200	938.889															
29690.000	940.636	930.722	935.678	938.200	938.889	939.578															
29700.000	939.561	929.655	934.602	938.889	939.578	940.267															
29710.000	938.485	929.061	933.527	939.578	940.267	940.956															
29720.000	937.797	929.534	933.583	940.267	940.956	941.645															
29730.000	938.180	930.084	934.132	940.956	941.645	942.334															
29740.000	938.729	930.265	934.514	941.645	942.334	943.023															
29750.000	938.917	930.366	934.642	942.334	943.023	943.712															
29760.000	939.018	930.490	934.743	943.023	943.712	944.401															
29770.000	939.167	930.883	934.997	943.712	944.401	945.090															
29780.000	939.627	931.464	935.548	944.401	945.090	945.779															
29790.000	940.160	931.751	935.925	945.090	945.779	946.468															
29800.000	940.582	932.489	936.504	945.779	946.468	947.157															
29810.000	941.456	933.474	937.467	946.468	947.157	947.846															
29820.000	942.445	934.239	938.325	947.157	947.846	948.535															
29830.000	942.995	934.587	938.792	947.846	948.535	949.224															
29840.000	943.326	934.938	939.122	948.535	949.224	949.913															
29850.000	943.657	935.931	939.464	949.224	949.913	950.602															
29860.000	944.619	937.646	941.122	949.913	950.602	951.291															
29870.000	946.314	939.365	942.842	950.602	951.291	951.980															
29880.000	948.033	941.084	944.561	951.291	951.980	952.669															
29890.000	949.737	942.730	946.243	951.980	952.669	953.358															
29900.000	951.336	944.158	947.804	952.669	953.358	954.047															
29910.000	952.508	943.867	948.441	953.358	954.047	954.736															
29920.000	951.837	942.602	947.226	954.047	954.736	955.425															
29930.000	950.529	941.205	945.876	954.736	955.425	956.114															
29940.000	949.088	939.656	944.379	955.425	956.114	956.803															
29950.000	947.507	937.976	942.747	956.114	956.803	957.492															
29960.000	945.788	936.174	940.984	956.803	957.492	958.181															
29970.000	943.976	934.350	939.161	957.492	958.181	958.870															
29980.000	942.152	932.590	937.337	958.181	958.870	959.559															

LEGEND

PLAN:-
PROP.CENTER LINE
PROP.CARRIAGEWAY EDGE
PROP.EARTHEN SHOULDER
TOE LINE
PROP.RIGHT OF WAY
CULVERT
MAJOR/MINOR BRIDGE

PROFILE:-
PROP.ROAD LEVEL
EXISTING GROUND LEVEL
GROUND LEVEL @6M LEFT
GROUND LEVEL @6M RIGHT



HIP NO. 221 AT CH. 30275.353				HIP NO. 222 AT CH. 30598.467				HIP NO. 223 AT CH. 30699.405				HIP NO. 224 AT CH. 30891.088			
X = 657976		Y = 3195576		X = 657698.169		Y = 3195742.626		X = 657607.103		Y = 3195786.461		X = 657419.195		Y = 3195832.528	
R (m)	300	Ls (m)		R (m)	500	Ls (m)		R (m)	300	Ls (m)		R (m)	200	Ls (m)	
Dc(deg)	23.1383	S(m)		Dc(deg)	5.2482	S(m)		Dc(deg)	11.9299	S(m)		Dc(deg)	33.1889	S(m)	
Lc(m)	121.15	Ts(deg)		Lc(m)	45.8	Ts(deg)		Lc(m)	62.47	Ts(deg)		Lc(m)	115.85	Ts(deg)	
Ts(m)	61.413	Δ(deg)	23.1383	Ts(m)	22.916	Δ(deg)	5.2482	Ts(m)	31.346	Δ(deg)	11.9299	Ts(m)	59.601	Δ(deg)	33.1889
Es(m)	6.221	e(%)	3.70%	Es(m)	0.525	e(%)	-2.50%	Es(m)	1.633	e(%)	3.70%	Es(m)	8.692	e(%)	5.56%
V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	Nil	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6
CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT			CurveType	LEFT		

R7	AUG 2023	FINAL DPR
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT
R3	JULY 2018	DETAILED PROJECT REPORT
REV.	DATE	DESCRIPTION OF REVISIONS

CLIENT:



National Highways & Infrastructure Development Corporation Limited.
3rd Floor, PTI building, 4-Parliament Street, New Delhi-11001

PROJECT:

Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'

DPR CONSULTANT:



Shweta Technophile Consultants Pvt. Ltd.
(222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)

DRAWN BY	ASHISH RAWAT
DESIGN BY	RAM SONKAR
CHECKED BY	GEETA JINDAL
HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200

TITLE:

PLAN AND PROFILE
FROM CH:30+000 TO 31+000

DRAWING NO.
MORT&H/PANGO-JORGING/STC/PP-57

A3

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

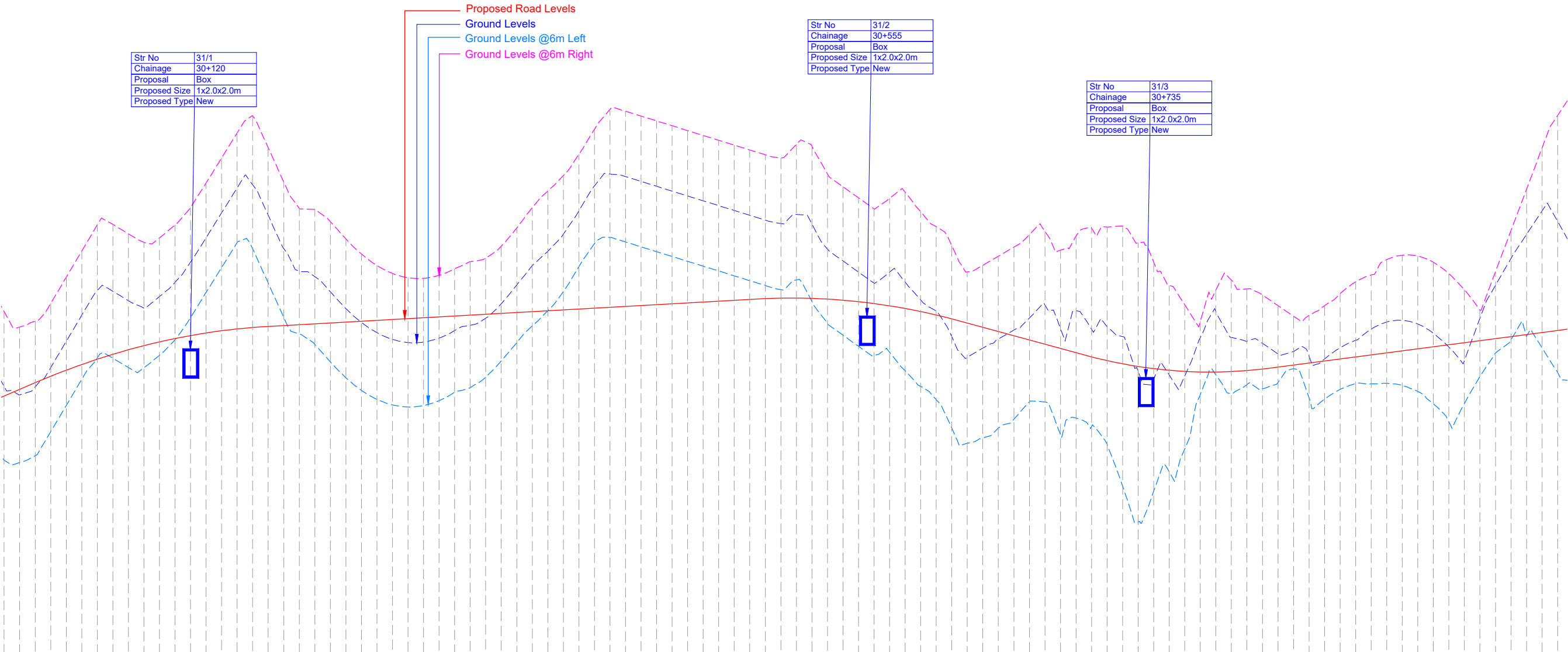
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



Str No	31/1
Chainage	30+120
Proposal	Box
Proposed Size	1x2.0x2.0m
Proposed Type	New

Str No	31/2
Chainage	30+555
Proposal	Box
Proposed Size	1x2.0x2.0m
Proposed Type	New

Str No	31/3
Chainage	30+735
Proposal	Box
Proposed Size	1x2.0x2.0m
Proposed Type	New

DATUM = 920	
Proposed Road Levels	936.722, 937.152, 937.581, 937.996, 938.386, 938.752, 939.093, 939.408, 939.699, 939.965, 940.206, 940.422, 940.614, 940.780, 940.922, 941.038, 941.130, 941.197, 941.253, 941.309, 941.365, 941.421, 941.477, 941.533, 941.589, 941.645, 941.702, 941.758, 941.814, 941.870, 941.926, 941.982, 942.038, 942.094, 942.150, 942.206, 942.262, 942.318, 942.374, 942.430, 942.486, 942.542, 942.598, 942.655, 942.711, 942.767, 942.823, 942.879, 942.935, 942.988, 943.018, 943.024, 943.004, 942.959, 942.888, 942.793, 942.672, 941.935, 941.688, 941.419, 941.146, 940.874, 940.602, 940.329, 940.057, 939.784, 939.512, 939.244, 939.004, 938.789, 938.627, 938.488, 938.383, 938.312, 938.274, 938.270, 938.299, 938.362, 938.459, 938.585, 938.715, 938.846, 938.977, 939.107, 939.238, 939.368, 939.499, 939.629, 939.760, 939.890, 940.021, 940.152, 940.282, 940.413, 940.543, 940.674, 940.804, 940.937
Ground Levels	937.337, 936.801, 937.305, 938.555, 938.996, 940.241, 940.422, 940.614, 940.780, 940.922, 941.038, 941.130, 941.197, 941.253, 941.309, 941.365, 941.421, 941.477, 941.533, 941.589, 941.645, 941.702, 941.758, 941.814, 941.870, 941.926, 941.982, 942.038, 942.094, 942.150, 942.206, 942.262, 942.318, 942.374, 942.430, 942.486, 942.542, 942.598, 942.655, 942.711, 942.767, 942.823, 942.879, 942.935, 942.988, 943.018, 943.024, 943.004, 942.959, 942.888, 942.793, 942.672, 941.935, 941.688, 941.419, 941.146, 940.874, 940.602, 940.329, 940.057, 939.784, 939.512, 939.244, 939.004, 938.789, 938.627, 938.488, 938.383, 938.312, 938.274, 938.270, 938.299, 938.362, 938.459, 938.585, 938.715, 938.846, 938.977, 939.107, 939.238, 939.368, 939.499, 939.629, 939.760, 939.890, 940.021, 940.152, 940.282, 940.413, 940.543, 940.674, 940.804, 940.937
Ground Levels @6m Left	932.590, 932.441, 932.882, 934.427, 936.113, 937.798, 939.157, 940.241, 940.422, 940.614, 940.780, 940.922, 941.038, 941.130, 941.197, 941.253, 941.309, 941.365, 941.421, 941.477, 941.533, 941.589, 941.645, 941.702, 941.758, 941.814, 941.870, 941.926, 941.982, 942.038, 942.094, 942.150, 942.206, 942.262, 942.318, 942.374, 942.430, 942.486, 942.542, 942.598, 942.655, 942.711, 942.767, 942.823, 942.879, 942.935, 942.988, 943.018, 943.024, 943.004, 942.959, 942.888, 942.793, 942.672, 941.935, 941.688, 941.419, 941.146, 940.874, 940.602, 940.329, 940.057, 939.784, 939.512, 939.244, 939.004, 938.789, 938.627, 938.488, 938.383, 938.312, 938.274, 938.270, 938.299, 938.362, 938.459, 938.585, 938.715, 938.846, 938.977, 939.107, 939.238, 939.368, 939.499, 939.629, 939.760, 939.890, 940.021, 940.152, 940.282, 940.413, 940.543, 940.674, 940.804, 940.937
Ground Levels @6m Right	942.152, 941.165, 941.541, 942.679, 944.364, 946.050, 947.736, 949.161, 949.612, 948.892, 947.724, 946.842, 950.422, 952.029, 953.635, 954.733, 952.700, 950.494, 948.802, 948.735, 947.948, 946.834, 945.861, 945.120, 944.611, 944.335, 944.293, 944.485, 944.905, 945.366, 945.596, 946.362, 947.536, 948.837, 949.913, 950.906, 952.272, 953.881, 955.155, 956.730, 954.418, 954.107, 953.796, 953.485, 953.174, 952.862, 952.551, 952.240, 952.044, 952.904, 952.793, 951.013, 950.183, 949.471, 948.760, 949.433, 949.833, 948.576, 947.622, 946.402, 944.709, 945.135, 945.716, 946.298, 947.107, 947.322, 946.107, 947.005, 947.528, 947.584, 947.654, 946.570, 945.332, 943.833, 942.591, 941.517, 943.539, 944.187, 943.617, 943.225, 942.542, 941.859, 941.916, 942.537, 943.305, 944.065, 944.509, 945.497, 945.785, 945.722, 945.332, 943.562, 944.590, 944.718, 947.372, 950.027, 952.681, 954.774
Vertical Alignment	R =4019.453 L =150.000 G =0.561% L =315.575 R =3958.254 L =130.000 G =-2.724% L =80.196 R =2978.159 L =120.000 G =1.306% L =177.769
Horizontal Alignment	L =235.754 R: 300.000 L: 121.153 L =239.637 R: 500.000 L: 45.799 L =46.806 R: 300.000 L: 62.465 L =102.525 R: 200.000 L: 115.851 L =95.80
Chainage	30000.000, 30010.000, 30020.000, 30030.000, 30040.000, 30050.000, 30060.000, 30070.000, 30080.000, 30090.000, 30100.000, 30110.000, 30120.000, 30130.000, 30140.000, 30150.000, 30160.000, 30170.000, 30180.000, 30190.000, 30200.000, 30210.000, 30220.000, 30230.000, 30240.000, 30250.000, 30260.000, 30270.000, 30280.000, 30290.000, 30300.000, 30310.000, 30320.000, 30330.000, 30340.000, 30350.000, 30360.000, 30370.000, 30380.000, 30390.000, 30400.000, 30410.000, 30420.000, 30430.000, 30440.000, 30450.000, 30460.000, 30470.000, 30480.000, 30490.000, 30500.000, 30510.000, 30520.000, 30530.000, 30540.000, 30550.000, 30560.000, 30570.000, 30580.000, 30590.000, 30600.000, 30610.000, 30620.000, 30630.000, 30640.000, 30650.000, 30660.000, 30670.000, 30680.000, 30690.000, 30700.000, 30710.000, 30720.000, 30730.000, 30740.000, 30750.000, 30760.000, 30770.000, 30780.000, 30790.000, 30800.000, 30810.000, 30820.000, 30830.000, 30840.000, 30850.000, 30860.000, 30870.000, 30880.000, 30890.000, 30900.000, 30910.000, 30920.000, 30930.000, 30940.000, 30950.000, 30960.000, 30970.000, 30980.000, 30990.000, 31000.000

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

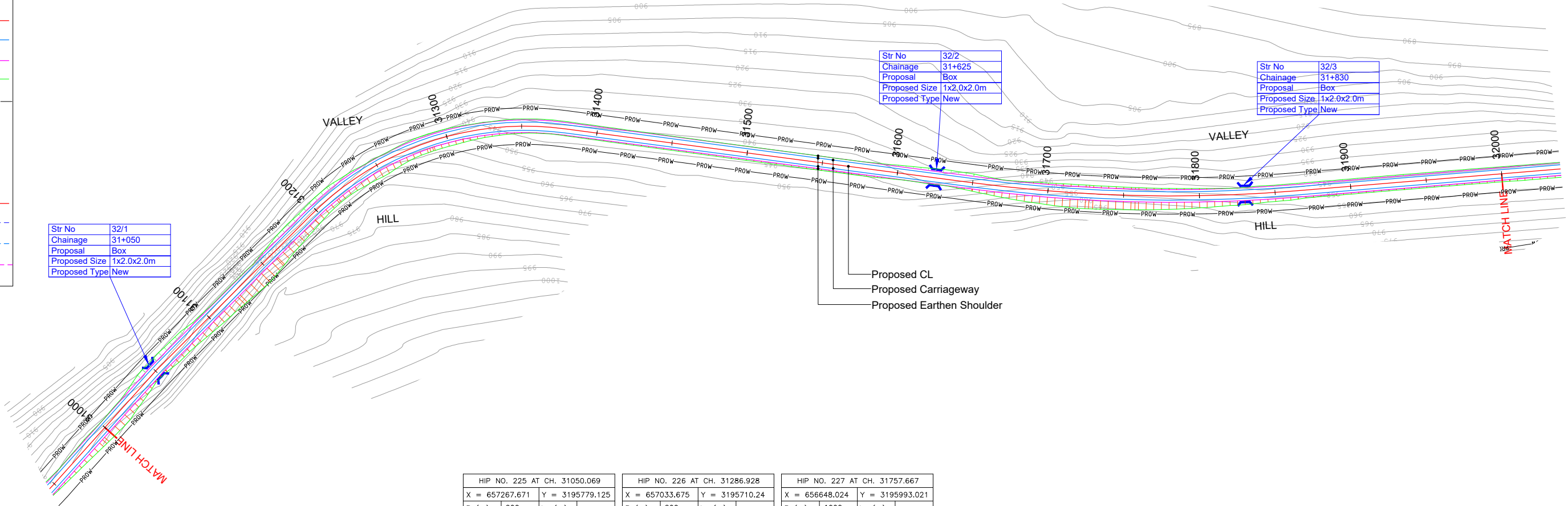
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 225 AT CH. 31050.069					HIP NO. 226 AT CH. 31286.928					HIP NO. 227 AT CH. 31757.667				
X = 657267.671		Y = 3195779.125			X = 657033.675		Y = 3195710.24			X = 656648.024		Y = 3195993.021		
R (m)	200	Ls (m)			R (m)	200	Ls (m)			R (m)	1000	Ls (m)		
Dc(deg)	3.0109	S(m)			Dc(deg)	52.6545	S(m)			Dc(deg)	12.28	S(m)		
Lc(m)	10.51	Ts(deg)			Lc(m)	183.8	Ts(deg)			Lc(m)	214.33	Ts(deg)		
Ts(m)	5.256	Δ(deg)	3.0109		Ts(m)	98.965	Δ(deg)	52.6545		Ts(m)	107.575	Δ(deg)	12.28	
Es(m)	0.069	e(%)	5.56%		Es(m)	23.146	e(%)	5.56%		Es(m)	5.77	e(%)	-2.50%	
V(km/hr)	50	We(m)	0.6		V(km/hr)	50	We(m)	0.6		V(km/hr)	50	We(m)	Nil	
CurveType	RIGHT				CurveType	RIGHT				CurveType	LEFT			

PLAN:-

PROFILE:-

PROP. ROAD LEVEL ————

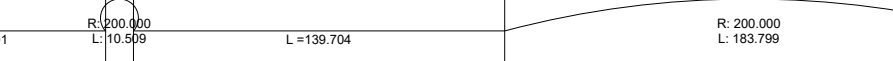
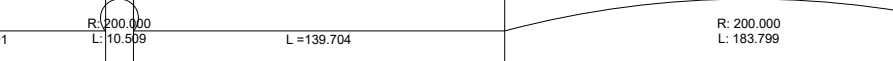
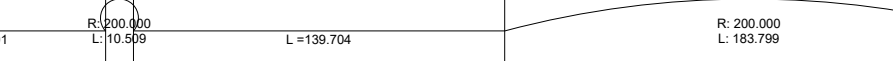
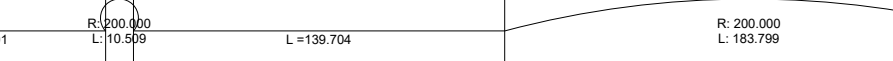
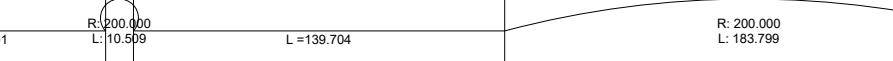
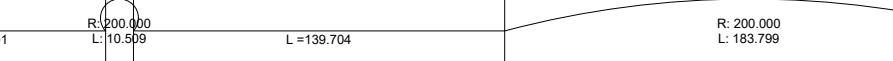
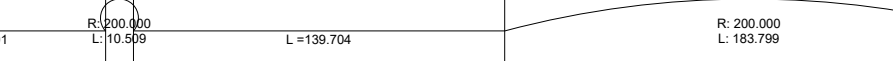
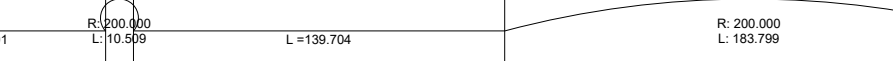
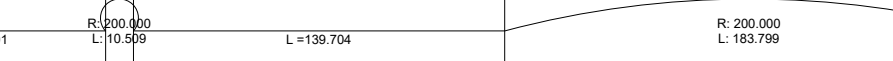
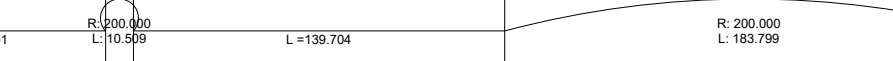
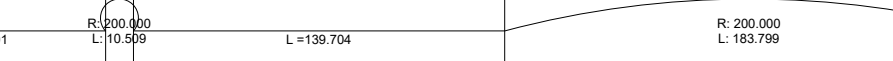
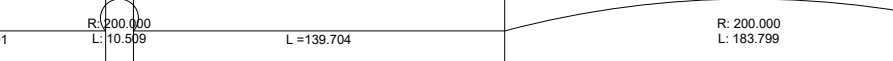
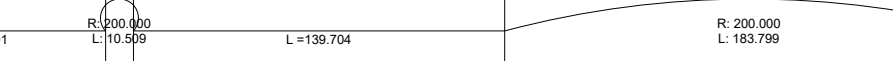
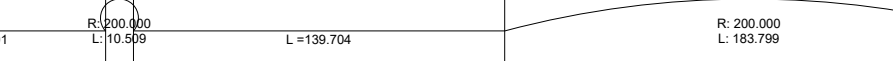
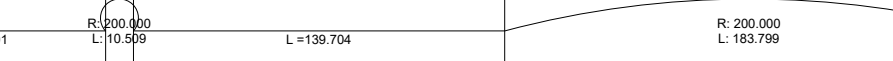
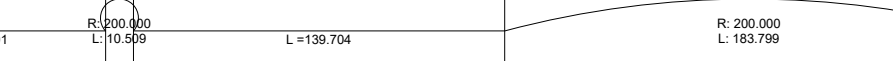
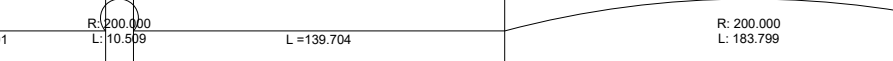
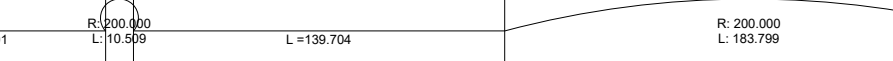
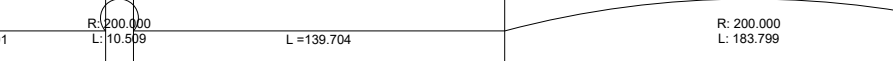
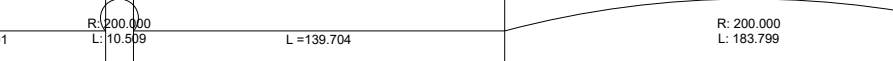
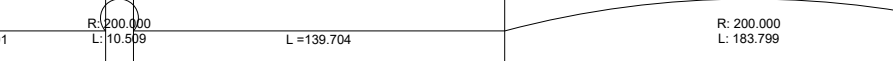
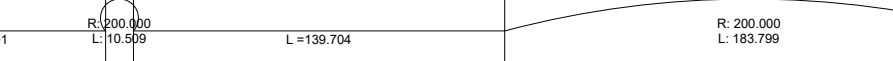
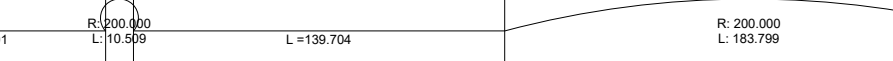
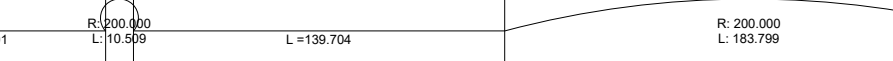
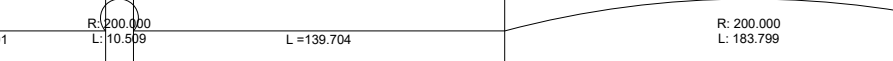
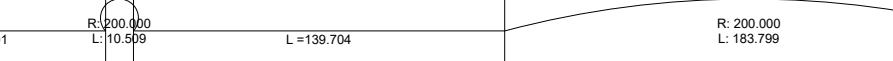
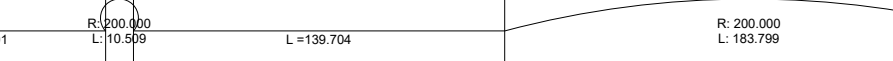
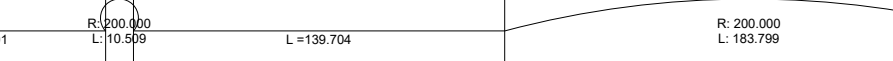
EXISTING GROUND LEVEL - - - -

GROUND LEVEL @6M LEFT - - - -

GROUND LEVEL @6M RIGHT - - - -



DATUM = 930

Chainage	Horizontal Alignment		Vertical Alignment	Ground Levels @6m Right	Ground Levels @6m Left	Ground Levels	Proposed Road Levels
31000.000			954.774	938.240	947.959	940.937	
31010.000			956.275	937.701	945.733	941.078	
31020.000			955.407	936.351	945.531	941.227	
31030.000			953.313	932.415	943.213	941.384	
31040.000			950.511	932.206	940.261	941.549	
31050.000			947.074	931.995	940.136	941.723	
31060.000			947.620	932.568	940.456	941.905	
31070.000			951.014	933.179	942.214	942.095	
31080.000			951.610	936.091	943.102	942.294	
31090.000			953.798	937.288	942.501	942.501	
31100.000			956.144	938.658	948.763	942.716	
31110.000			958.331	938.938	949.601	942.939	
31120.000			959.493	939.171	949.887	943.171	
31130.000			960.944	939.584	950.697	943.409	
31140.000			961.995	940.021	950.882	943.647	
31150.000			964.963	938.335	951.904	943.886	
31160.000			963.359	936.679	950.182	944.124	
31170.000			960.959	936.041	948.465	944.337	
31180.000			958.966	936.551	947.126	944.508	
31190.000			957.893	936.592	946.918	944.638	
31200.000			957.104	935.802	946.363	944.727	
31210.000			955.638	936.143	945.161	944.774	
31220.000			954.619	938.888	945.093	944.780	
31230.000			954.357	940.269	946.315	944.744	
31240.000			956.413	943.658	948.268	944.667	
31250.000			957.863	943.257	949.940	944.548	
31260.000			959.000	941.448	950.231	944.388	
31270.000			955.498	939.951	946.562	944.186	
31280.000			953.017	939.079	945.582	943.943	
31290.000			952.708	938.747	945.593	943.659	
31300.000			952.114	939.096	945.204	943.358	
31310.000			952.047	940.037	945.931	943.057	
31320.000			949.923	942.134	946.914	942.769	
31330.000			948.014	940.798	945.060	942.509	
31340.000			946.323	939.155	943.418	942.276	
31350.000			944.892	939.221	942.009	942.070	
31360.000			943.763	938.724	941.241	941.892	
31370.000			943.268	938.315	940.771	941.741	
31380.000			943.622	938.551	941.087	941.617	
31390.000			943.788	938.718	941.253	941.521	
31400.000			943.925	938.884	941.420	941.452	
31410.000			943.962	939.046	941.503	941.410	
31420.000			944.123	939.213	941.665	941.396	
31430.000			944.247	939.421	941.826	941.409	
31440.000			944.352	939.629	942.004	941.436	
31450.000			944.450	939.773	942.156	941.463	
31460.000			944.541	939.946	942.289	941.491	
31470.000			944.631	940.115	942.388	941.518	
31480.000			944.722	940.232	942.478	941.545	
31490.000			944.813	940.325	942.569	941.572	
31500.000			944.903	940.416	942.660	941.599	
31510.000			944.994	940.506	942.750	941.626	
31520.000			945.085	940.597	942.841	941.653	
31530.000			945.175	940.688	942.932	941.681	
31540.000			945.266	940.778	94		

R7	AUG 2023	FINAL DPR	CLIENT: National Highways & Infrastructure Development Corporation Limited. 3rd Floor, PTI building, 4-Parliament Street, New Delhi-11001	PROJECT: Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'	DPR CONSULTANT: Shweta Technophile Consultants Pvt. Ltd. (222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)	DRAWN BY	ASHISH RAWAT	TITLE: PLAN AND PROFILE FROM CH:31+000 TO 32+000	
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT				DESIGN BY	RAM SONKAR		
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT				CHECKED BY	GEETA JINDAL		
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT				HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200		
R3	JULY 2018	DETAILED PROJECT REPORT				DRAWING NO.			
REV.	DATE	DESCRIPTION OF REVISIONS	MORT&H/PANGO-JORGING/STC/PP- 60		A3				

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

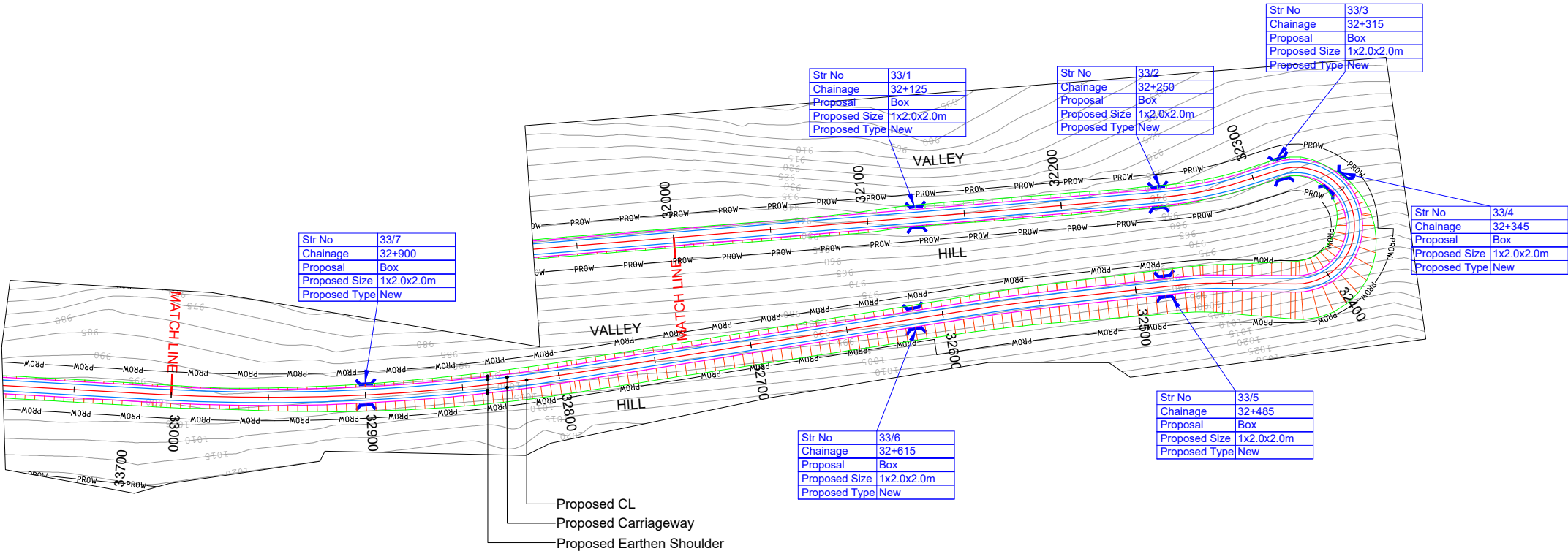
PROFILE:-

PROP.ROAD LEVEL

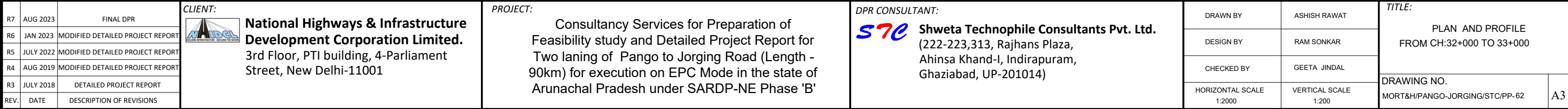
EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 228 AT CH. 32274.095				HIP NO. 229 AT CH. 32365.623				HIP NO. 230 AT CH. 32466.355				HIP NO. 231 AT CH. 32565.06				HIP NO. 232 AT CH. 32899.922			
X = 656175.67	Y = 3196203.039			X = 656318.651	Y = 3196175.449			X = 656199.626	Y = 3196242.28			X = 656290.831	Y = 3196204.503			X = 656606.571	Y = 3196091.712		
R (m)	200	Ls (m)		R (m)	30	Ls (m)		R (m)	140	Ls (m)		R (m)	1000	Ls (m)		R (m)	1000	Ls (m)	
Dc(deg)	13.0491	S(m)		Dc(deg)	198.3924	S(m)		Dc(deg)	6.8141	S(m)		Dc(deg)	2.8417	S(m)		Dc(deg)	12.2965	S(m)	
Lc(m)	45.55	Ts(deg)		Lc(m)	103.88	Ts(deg)		Lc(m)	16.65	Ts(deg)		Lc(m)	49.6	Ts(deg)		Lc(m)	214.61	Ts(deg)	
Ts(m)	22.874	Δ(deg)	13.0491	Ts(m)	-185.304	Δ(deg)	198.3924	Ts(m)	8.335	Δ(deg)	6.8141	Ts(m)	24.804	Δ(deg)	2.8417	Ts(m)	107.721	Δ(deg)	12.2965
Es(m)	1.304	e(%)	5.56%	Es(m)	-217.717	e(%)	10.00%	Es(m)	0.248	e(%)	7.94%	Es(m)	0.308	e(%)	-2.50%	Es(m)	5.785	e(%)	-2.50%
V(km/hr)	50	We(m)	0.6	V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	Nil	V(km/hr)	50	We(m)	Nil
CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT		



LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

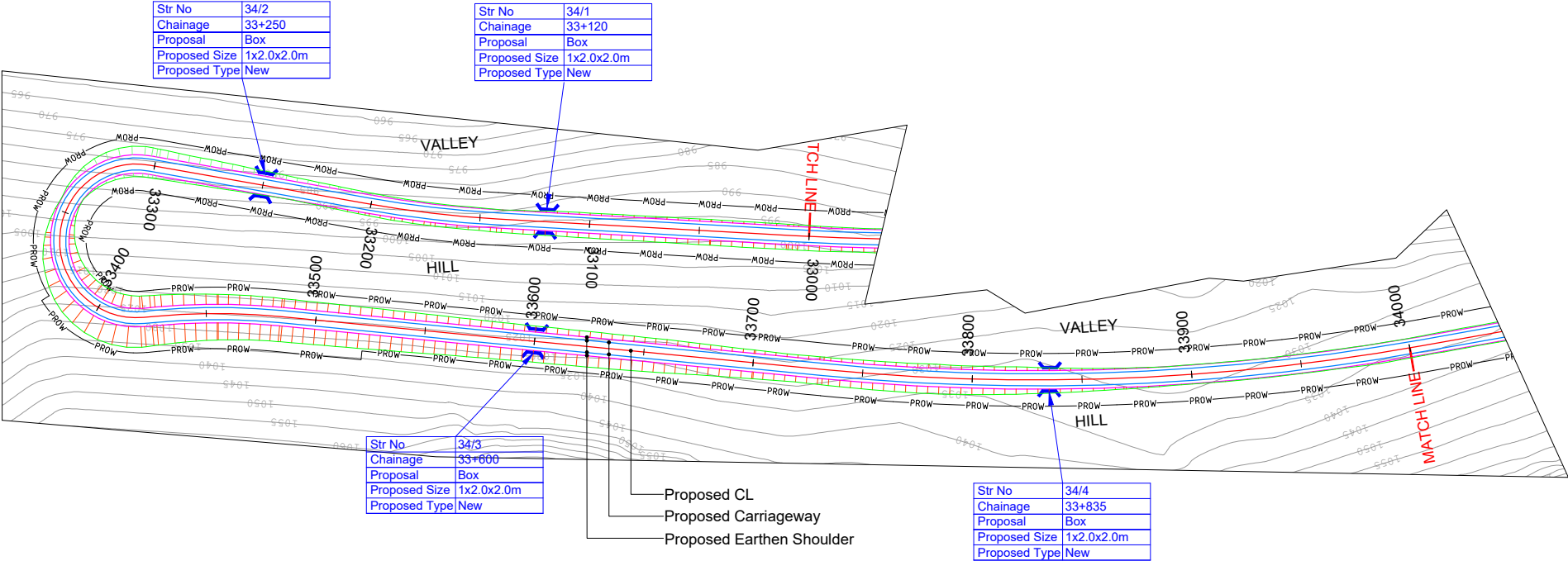
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 233 AT CH. 33172.032				HIP NO. 234 AT CH. 33361.805				HIP NO. 235 AT CH. 33455.48				HIP NO. 236 AT CH. 33868.902			
X =	656837.829	Y =	3195947.461	X =	656736.8	Y =	3196028.637	X =	656943.839	Y =	3195938.901	X =	656601.428	Y =	3196172.261
R (m)	500	Ls (m)		R (m)	35	Ls (m)		R (m)	300	Ls (m)		R (m)	1000	Ls (m)	
Dc(deg)	6.8269	S(m)		Dc(deg)	195.349	S(m)		Dc(deg)	10.8421	S(m)		Dc(deg)	15.6931	S(m)	
Lc(m)	59.58	Ts(deg)		Lc(m)	119.33	Ts(deg)		Lc(m)	56.77	Ts(deg)		Lc(m)	273.9	Ts(deg)	
Ts(m)	29.823	Δ(deg)	6.8269	Ts(m)	-259.73	Δ(deg)	195.349	Ts(m)	28.47	Δ(deg)	10.8421	Ts(m)	137.811	Δ(deg)	15.6931
Es(m)	0.889	e(%)	-2.50%	Es(m)	-297.08	e(%)	10.00%	Es(m)	1.348	e(%)	3.70%	Es(m)	9.451	e(%)	-2.50%
V(km/hr)	50	We(m)	Nil	V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	Nil
CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	LEFT		

R7	AUG 2023	FINAL DPR
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT
R3	JULY 2018	DETAILED PROJECT REPORT
REV.	DATE	DESCRIPTION OF REVISIONS

CLIENT:

National Highways & Infrastructure Development Corporation Limited.

3rd Floor, PTI building, 4-Parliament Street, New Delhi-11001

PROJECT:

Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'

DPR CONSULTANT:

Shweta Technophile Consultants Pvt. Ltd.

(222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)

DRAWN BY	ASHISH RAWAT
DESIGN BY	RAM SONKAR
CHECKED BY	GEETA JINDAL
HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200

TITLE:

PLAN AND PROFILE
FROM CH:33+000 TO 34+000

DRAWING NO.
MORT&H/PANGO-JORGING/STC/PP-63

A3

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

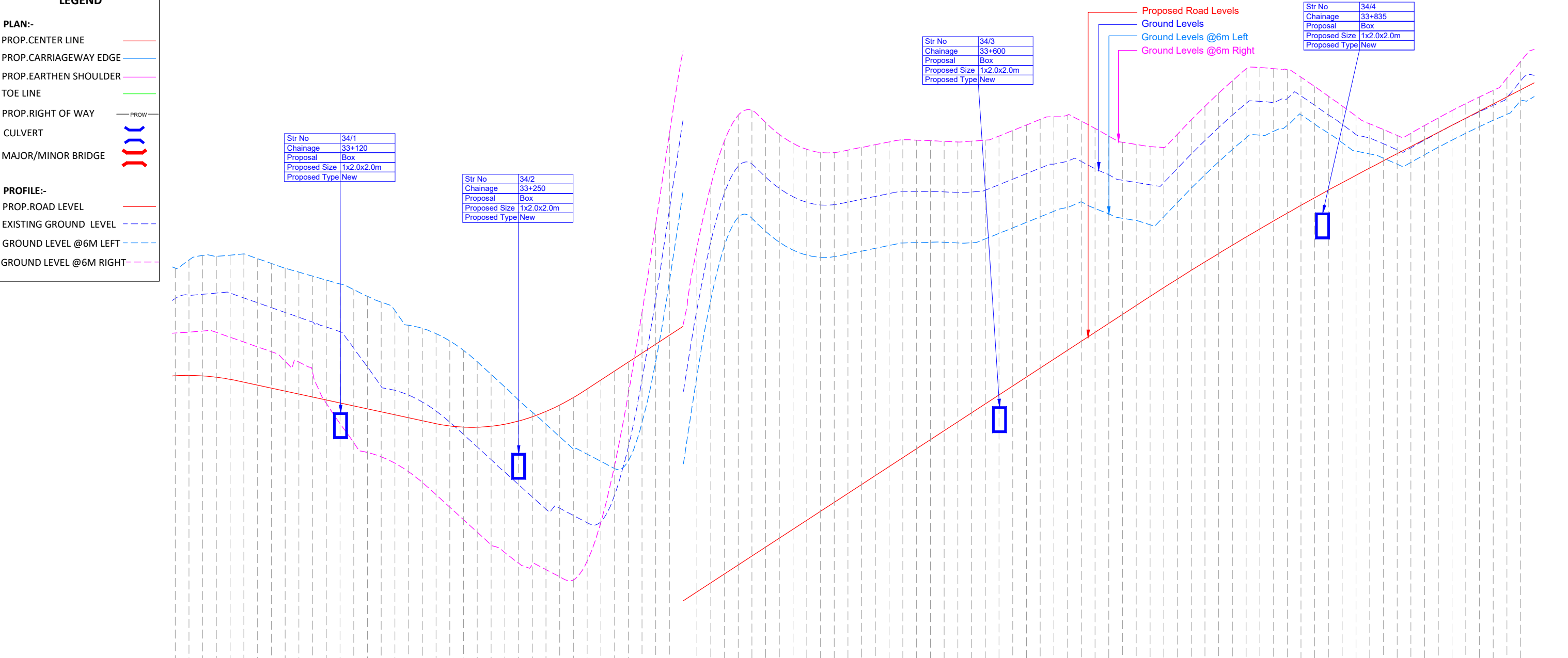
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



DATUM = 970										DATUM = 990									
Chainage	Horizontal Alignment		Vertical Alignment	Ground Levels @6m Right		Ground Levels @6m Left		Ground Levels		Proposed Road Levels									
33000.000			G = -2.160% L = 143.786 R = 1266.826 L = 110.000 G = 6.5233% L = 402.080 R = 13306.213 L = 180.000	995.155	999.891	997.673	992.043												
33010.000				995.217	1000.477	997.896	992.069												
33020.000				995.305	1000.810	997.980	992.034												
33030.000				995.203	1000.743	998.068	991.938												
33040.000				994.851	1000.831	998.065	991.782												
33050.000				994.489	1000.919	997.713	991.572												
33060.000				994.147	1000.576	997.361	991.356												
33070.000				993.796	1000.225	997.010	991.140												
33080.000				993.100	999.873	996.658	990.924												
33090.000				993.043	999.593	996.306	990.708												
33100.000			992.313	999.303	995.954	990.492													
33110.000			990.041	999.014	995.603	990.276													
33120.000			998.563	998.733	995.251	990.060													
33130.000			987.169	998.321	994.050	989.844													
33140.000			986.452	997.824	992.679	989.628													
33150.000			986.138	997.411	991.258	989.412													
33160.000			985.675	996.798	990.981	989.196													
33170.000			985.046	995.724	990.626	988.980													
33180.000			984.267	995.492	990.125	988.764													
33190.000			983.373	995.115	989.476	988.549													
33200.000			982.463	994.575	988.663	988.384													
33210.000			981.542	993.891	987.761	988.299													
33220.000			980.642	993.062	986.851	988.292													
33230.000			979.732	992.151	985.940	988.364													
33240.000			979.163	991.241	985.022	988.515													
33250.000			978.385	990.275	984.120	988.745													
33260.000			978.252	989.394	983.214	988.954													
33270.000			977.916	988.510	982.323	989.442													
33280.000			977.391	987.602	982.386	989.909													
33290.000			977.174	986.698	981.861	990.455													
33300.000			978.525	986.333	981.336	991.078													
33310.000			981.367	985.808	981.412	991.731													
33320.000			985.508	985.284	983.335	992.383													
33330.000			990.713	985.846	986.855	993.035													
33340.000			996.668	988.634	991.671	993.688													
33350.000			1003.108	993.094	997.672	994.340													
33360.000			1009.716	998.941	1004.202	994.992													
33370.000			1015.761	1005.528	1010.790	995.645													
33380.000			1021.381	1012.036	1016.882	996.297													
33390.000			1025.871	1017.537	1021.780	996.949													
33400.000			1029.148	1021.502	1025.349	997.601													
33410.000			1031.019	1023.578	1027.303	998.254													
33420.000			1031.380	1023.578	1027.303	998.906													
33430.000			1030.502	1022.559	1026.528	999.558													
33440.000			1029.635	1021.779	1025.703	1000.211													
33450.000			1028.981	1021.205	1025.087	1000.863													
33460.000			1028.541	1020.837	1024.682	1001.515													
33470.000			1028.316	1020.677	1024.491	1002.168													
33480.000			1028.305	1020.723	1024.512	1002.820													
33490.000			1028.483	1020.917	1024.700	1003.472													
33500.000			1028.681	1021.124	1024.908	1004.125													
33510.000			1028.881	1021.331	1025.115	1004.777													
33520.000			1029.080	1021.539	1025.322	1005.429													
33530.000			1029.247	1021.722	1025.483	1006.081													
33540.000			1029.214	1021.749	1025.463	1006.734													
33550.000			1029.170	1021.776	1025.452	1007.386													
33560.000			1029.125	1021.767	1025.446	1008.038													
33570.000			1029.080	1021.723	1025.404	1008.691													
33580.000			1029.137	1021.738	1025.437	1009.343													
33590.000			1029.207	1022.015	1025.562	1009.995													
33600.000			1029.509	1022.416	1025.963	1010.648													
33610.000			1029.913	1022.819	1026.366	1011.301													
33620.000			1030.317	1023.223	1026.770	1011.952													
33630.000			1030.721	1023.627	1027.175	1012.604													
33640.000			1030.913	1024.031	1027.464	1013.257													
33650.000			1031.047	1024.305	1027.675	1013.909													
33660.000			1030.600	1024.718	1027.658	1014.561													
33670.000			1030.069	1024.237	1027.128	1015.214													
33680.000			1029.057	1023.516	1026.286	1015.866													
33690.000			1028.894	1023.354	1026.124	1017.171													
33700.000			1028.745	1023.046	1025.961	1017.820													
33710.000			1028.676	1023.623	1026.109	1018.461													
33720.000			1029.640	1024.672	1027.157	1019.095													
33730.000			1030.676	1025.702	1028.191	1019.721													
33740.000			1031.675	1026.687	1029.184	1020.340													
33750.000			1032.629	1027.629	1030.130	1020.952													
33760.000			1033.538	1028.527	1031.034	1021.556													
33770.000			1034.404	1029.382	1031.894	1022.152													
33780.000			1034.506	1029.574	1032.040	1022.741													
33790.000			1034.421	1029.855	1031.949	1023.322													
33800.000			1034.336	1030.279	1032.243	1023.896													
33810.000			1033.799	1031.069	1032.434	1024.462													
33820.000			1033.116	1030.378	1031.747	1025.021													
33830.000			1032.413	1029.720	1031.049	1025.572													
33840.000			1031.707	1029.025	1030.365	1026.116													
33850.000			1030.966	1028.410	1029.621	1026.652													
33860.000			1030.402	1028.208	1029.362	1027.181													
33870.000			1029.987	1027.903	1028.944	1027.702													
33880.000			1029.556	1027.465	1028.511	1028.219													
33890.000			1029.712	1027.589	1028.653	1028.736													
33900.000			1030.282	1028.150	1029.218	1029.253													
33910.000			1030.833	1028.691	1029.763	1029.770													
33920.000			1031.362	1029.213	1030.288	1030.288													
33930.000			1031.872	1029.714	1030.794	1030.805													
33940.000			1032.362	1030.196	1031.280	1031.322													
33950.000			1032.833	1030.657	1031.746	1031.839													
33960.000			1033.727	1031.097	1032.314	1032.356													
33970.000			1034.948	1032.062	1033.527	1032.873													
33980.000			1035.825	1032.382	1033.925	1033.390													
33990.000			1035.698	1032.745	1034.288	1033.907													

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

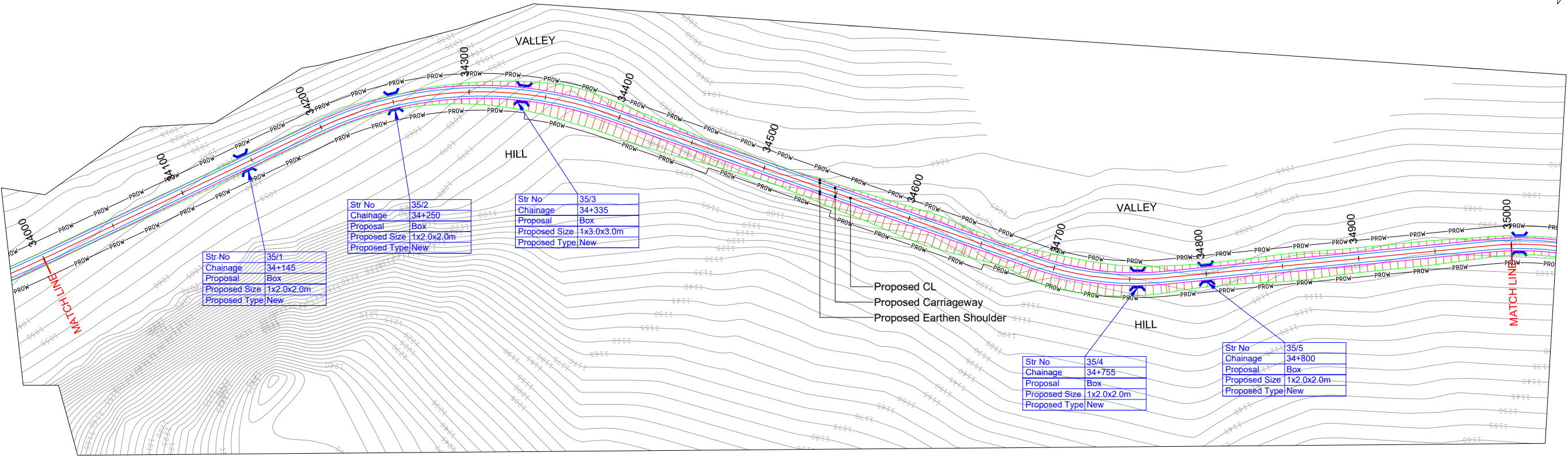
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 237 AT CH. 34294.504				HIP NO. 238 AT CH. 34729.885			
X = 656192.232	Y = 3196309.827			X = 655993.243	Y = 3196703.73		
R (m)	250	Ls (m)		R (m)	200	Ls (m)	
Dc(deg)	44.6165	S(m)		Dc(deg)	24.877	S(m)	
Lc(m)	194.68	Ts(deg)		Lc(m)	86.84	Ts(deg)	
Ts(m)	102.574	Δ(deg)	44.6165	Ts(m)	44.114	Δ(deg)	24.877
Es(m)	20.225	e(%)	4.44%	Es(m)	4.807	e(%)	5.56%
V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6
CurveType	RIGHT			CurveType	LEFT		

R7	AUG 2023	FINAL DPR
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT
R3	JULY 2018	DETAILED PROJECT REPORT
REV.	DATE	DESCRIPTION OF REVISIONS

CLIENT:

National Highways & Infrastructure Development Corporation Limited.
3rd Floor, PTI building, 4-Parliament Street, New Delhi-11001

PROJECT:

Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'

DPR CONSULTANT:

Shweta Technophile Consultants Pvt. Ltd.
(222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)

DRAWN BY	ASHISH RAWAT
DESIGN BY	RAM SONKAR
CHECKED BY	GEETA JINDAL
HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200

TITLE:

PLAN AND PROFILE
FROM CH:34+000 TO 35+000

DRAWING NO.
MORT&H/PANGO-JORGING/STC/PP-65

A3

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

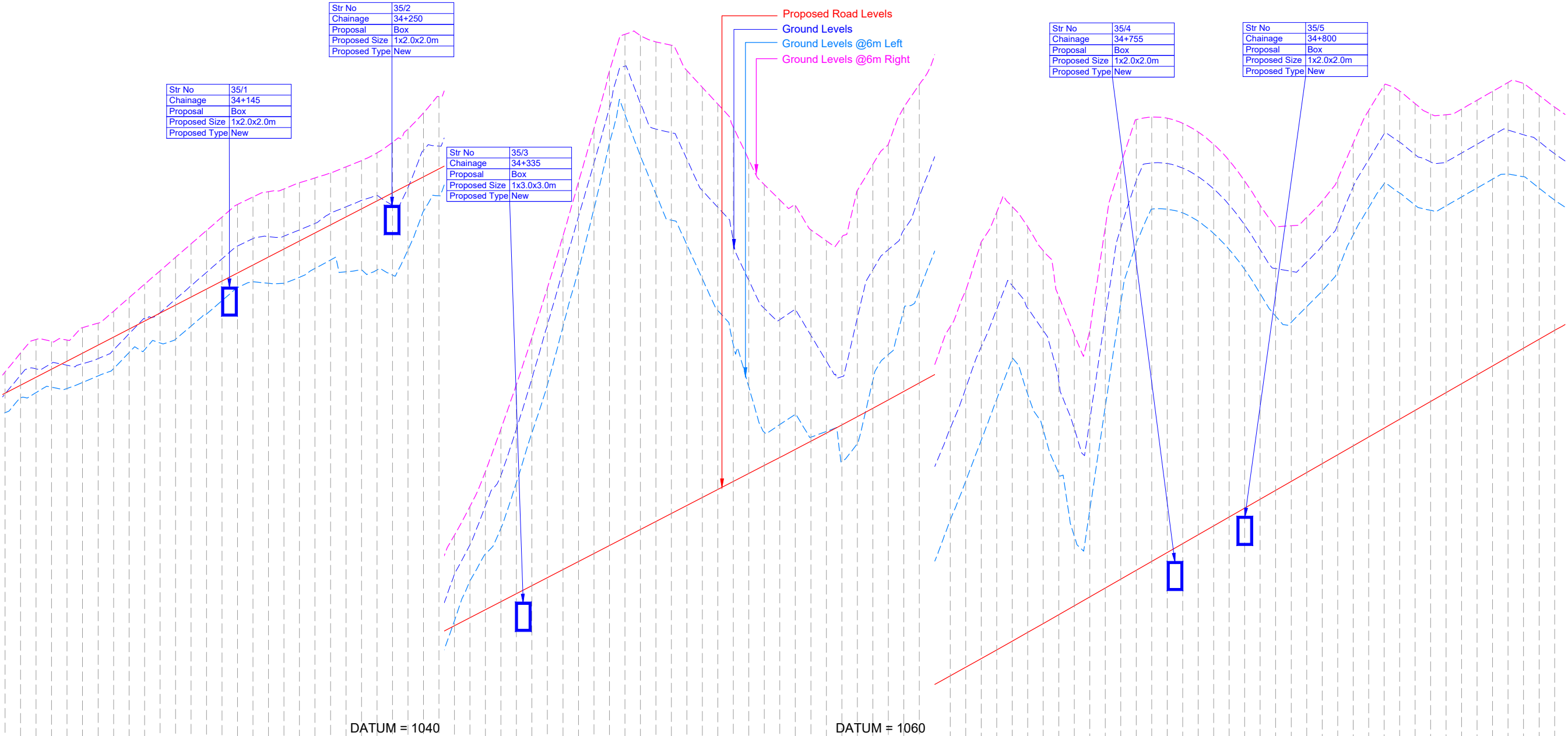
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT

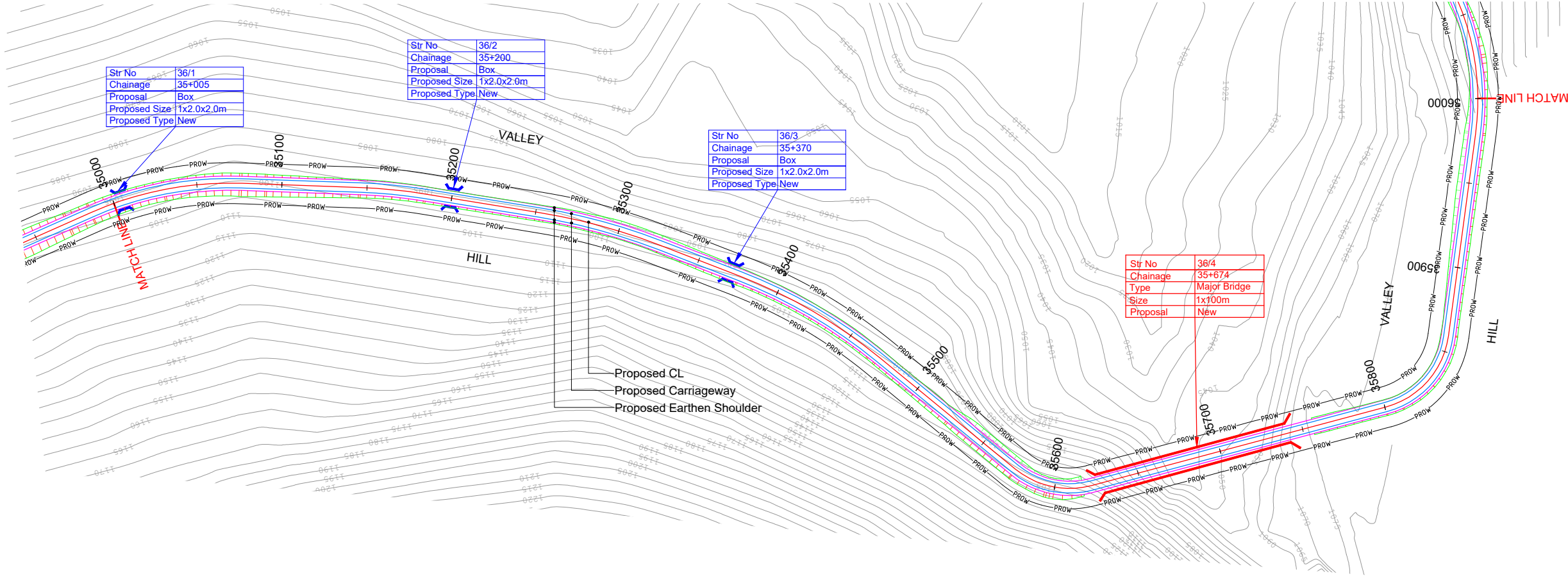


Chainage	Horizontal Alignment		Vertical Alignment	Ground Levels @6m Right	Ground Levels @6m Left	Ground Levels	Proposed Road Levels
3400.000			G =5.170% L =580.881	1035.698	1032.745	1034.288	1033.907
34010.000				1035.781	1032.664	1034.162	1034.424
34020.000			1036.587	1033.051	1034.261	1034.941	
34030.000			1036.880	1033.472	1034.586	1035.458	
34040.000			1037.645	1033.938	1035.149	1035.975	
34050.000			1038.514	1034.975	1036.186	1036.492	
34060.000			1039.382	1035.149	1037.153	1037.009	
34070.000			1040.251	1035.599	1037.554	1037.526	
34080.000			1041.119	1035.839	1038.423	1038.043	
34090.000			1041.987	1036.686	1039.291	1038.560	
34100.000			1042.856	1037.461	1040.159	1039.077	
34110.000			1043.723	1038.328	1041.027	1039.594	
34120.000			1044.533	1039.163	1041.849	1040.111	
34130.000			1045.019	1039.542	1042.335	1040.628	
34140.000			1045.360	1039.448	1042.459	1041.145	
34150.000			1045.541	1039.442	1042.485	1041.662	
34160.000			1045.939	1039.839	1042.886	1042.179	
34170.000			1046.247	1040.409	1043.307	1042.696	
34180.000			1046.566	1040.945	1043.965	1043.213	
34190.000			1046.960	1040.194	1044.385	1043.730	
34200.000			1047.363	1040.328	1044.798	1044.247	
34210.000			1047.862	1040.304	1045.113	1044.764	
34220.000			1048.541	1039.978	1044.495	1045.281	
34230.000			1049.397	1041.600	1045.619	1045.798	
34240.000			1050.440	1044.098	1048.033	1046.315	
34250.000			1051.504	1045.100	1048.296	1046.832	
34260.000			1053.184	1047.671	1050.886	1047.349	
34270.000			1055.043	1050.255	1052.576	1047.866	
34280.000			1057.321	1051.987	1055.090	1048.384	
34290.000			1060.039	1053.647	1057.045	1048.901	
34300.000			1062.920	1056.594	1060.062	1049.418	
34310.000			1065.960	1059.799	1063.763	1049.935	
34320.000			1069.149	1062.909	1066.730	1050.452	
34330.000			1072.486	1066.633	1070.270	1050.969	
34340.000			1075.966	1070.261	1073.744	1051.486	
34350.000			1079.437	1074.237	1077.196	1052.003	
34360.000			1083.129	1078.454	1080.755	1052.520	
34370.000			1085.512	1080.362	1083.461	1053.037	
34380.000			1085.444	1077.883	1081.073	1053.554	
34390.000			1085.026	1075.225	1079.400	1054.071	
34400.000			1084.808	1073.526	1079.166	1054.588	
34410.000			1083.170	1071.931	1077.452	1055.105	
34420.000			1082.091	1069.732	1075.429	1055.622	
34430.000			1081.012	1067.690	1074.350	1056.139	
34440.000			1079.524	1065.468	1072.149	1056.656	
34450.000			1077.416	1062.754	1069.628	1057.173	
34460.000			1075.814	1059.830	1067.821	1057.690	
34470.000			1074.826	1060.329	1067.110	1058.208	
34480.000			1074.484	1060.998	1067.770	1058.729	
34490.000			1072.905	1059.514	1066.098	1059.254	
34500.000			1072.194	1059.887	1064.426	1059.781	
34510.000			1072.422	1057.949	1063.421	1060.312	
34520.000			1075.430	1059.096	1067.200	1060.846	
34530.000			1077.116	1063.168	1070.327	1061.382	
34540.000			1078.425	1064.845	1071.615	1061.922	
34550.000			1080.793	1067.724	1072.885	1062.465	
34560.000			1082.271	1068.953	1075.035	1063.011	
34570.000			1084.207	1071.524	1077.625	1063.561	
34580.000			1086.652	1074.165	1080.090	1064.113	
34590.000			1088.991	1076.684	1082.688	1064.669	
34600.000			1092.112	1079.326	1085.354	1065.227	
34610.000			1094.047	1081.972	1087.787	1065.789	
34620.000			1094.391	1084.572	1089.294	1066.322	
34630.000			1093.101	1082.297	1087.839	1066.944	
34640.000			1091.557	1079.993	1086.396	1067.493	
34650.000			1088.620	1077.164	1083.144	1068.066	
34660.000			1086.144	1073.153	1080.074	1068.639	
34670.000			1086.366	1074.788	1080.574	1069.212	
34680.000			1093.045	1081.465	1087.264	1069.785	
34690.000			1097.094	1088.144	1093.002	1070.358	
34700.000			1100.009	1092.012	1096.069	1070.931	
34710.000			1100.171	1094.229	1097.215	1071.504	
34720.000			1100.098	1094.222	1097.176	1072.077	
34730.000			1099.771	1093.992	1096.884	1072.650	
34740.000			1099.210	1093.451	1096.329	1073.223	
34750.000			1098.416	1092.666	1095.540	1073.796	
34760.000			1097.369	1091.629	1094.505	1074.369	
34770.000			1096.051	1090.349	1093.200	1074.942	
34780.000			1094.482	1088.778	1091.627	1075.515	
34790.000			1093.098	1087.333	1090.400	1076.088	
34800.000			1093.166	1086.931	1090.219	1076.661	
34810.000			1093.697	1087.935	1090.818	1077.234	
34820.000			1094.752	1088.951	1091.873	1077.807	
34830.000			1096.159	1090.263	1093.222	1078.380	
34840.000			1098.472	1092.563	1095.660	1078.953	
34850.000			1100.597	1094.332	1097.431	1079.526	
34860.000			1102.115	1095.868	1099.094	1080.099	
34870.000			1101.856	1095.274	1098.564	1080.673	
34880.000			1101.041	1094.488	1097.750	1081.246	
34890.000			1100.377	1094.160	1097.286	1081.819	
34900.000			1100.329	1094.448	1097.284	1082.392	
34910.000			1100.691	1095.022	1097.857	1082.965	
34920.000			1101.264	1095.595	1098.430	1083.538	
34930.000			1101.837	1096.168	1099.003	1084.111	
34940.000			1102.411	1096.503	1099.337	1084.684	
34950.000			1102.346	1096.326	1099.036	1085.257	
34960.000			1101.585	1095.592	1098.590	1085.830	
34970.000			1100.819	1094.821	1097.819	1086.403	
34980.000			1100.112	1094.140	1097.124	1086.965	
34990.000			1099.445	1093.490	1096.465	1087.497	
35000.000			1098.982	1093.045	1096.013	1088.001	

LEGEND

PLAN:-
PROP.CENTER LINE
PROP.CARRIAGEWAY EDGE
PROP.EARTHEN SHOULDER
TOE LINE
PROP.RIGHT OF WAY
CULVERT
MAJOR/MINOR BRIDGE

PROFILE:-
PROP.ROAD LEVEL
EXISTING GROUND LEVEL
GROUND LEVEL @6M LEFT
GROUND LEVEL @6M RIGHT



HIP NO. 239 AT CH. 35031.082					HIP NO. 240 AT CH. 35165.009					HIP NO. 241 AT CH. 35289.154					HIP NO. 242 AT CH. 35423.585					HIP NO. 243 AT CH. 35598.069					HIP NO. 244 AT CH. 35830.029				
X = 655755.774		Y = 3196891.415			X = 655697.272		Y = 3197012.794			X = 655657.768		Y = 3197130.652			X = 655642.23		Y = 3197264.722			X = 655677.76		Y = 3197437.953			X = 655516.45		Y = 3197612.735		
R (m)	200	Ls (m)			R (m)	300	Ls (m)			R (m)	350	Ls (m)			R (m)	300	Ls (m)			R (m)	50	Ls (m)			R (m)	50	Ls (m)		
Dc(deg)	25.9458	S(m)			Dc(deg)	7.2025	S(m)			Dc(deg)	11.9195	S(m)			Dc(deg)	18.2019	S(m)			Dc(deg)	54.2958	S(m)			Dc(deg)	67.3959	S(m)		
Lc(m)	90.57	Ts(deg)			Lc(m)	37.71	Ts(deg)			Lc(m)	72.81	Ts(deg)			Lc(m)	95.31	Ts(deg)			Lc(m)	47.38	Ts(deg)			Lc(m)	58.81	Ts(deg)		
Ts(m)	46.074	Δ(deg)	25.9458		Ts(m)	18.881	Δ(deg)	7.2025		Ts(m)	36.538	Δ(deg)	11.9195		Ts(m)	48.057	Δ(deg)	18.2019		Ts(m)	25.639	Δ(deg)	54.2958		Ts(m)	33.343	Δ(deg)	67.3959	
Es(m)	5.238	e(%)	5.56%		Es(m)	0.594	e(%)	3.70%		Es(m)	1.902	e(%)	3.17%		Es(m)	3.825	e(%)	3.70%		Es(m)	6.19	e(%)	10.00%		Es(m)	10.098	e(%)	10.00%	
V(km/hr)	50	We(m)	0.6		V(km/hr)	50	We(m)	0.6		V(km/hr)	50	We(m)	Nil		V(km/hr)	50	We(m)	0.6		V(km/hr)	40	We(m)	1.2		V(km/hr)	40	We(m)	1.2	
CurveType	RIGHT				CurveType	RIGHT				CurveType	RIGHT				CurveType	RIGHT				CurveType	LEFT				CurveType	LEFT			

R7	AUG 2023	FINAL DPR
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT
R3	JULY 2018	DETAILED PROJECT REPORT
REV.	DATE	DESCRIPTION OF REVISIONS

CLIENT:



National Highways & Infrastructure Development Corporation Limited.
3rd Floor, PTI building, 4-Parliament Street, New Delhi-11001

PROJECT:

Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'

DPR CONSULTANT:



Shweta Technophile Consultants Pvt. Ltd.
(222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)

DRAWN BY	ASHISH RAWAT
DESIGN BY	RAM SONKAR
CHECKED BY	GEETA JINDAL
HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200

TITLE:

PLAN AND PROFILE
FROM CH:35+000 TO 36+000

DRAWING NO.
MORT&H/PANGO-JORGING/STC/PP-67

A3

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

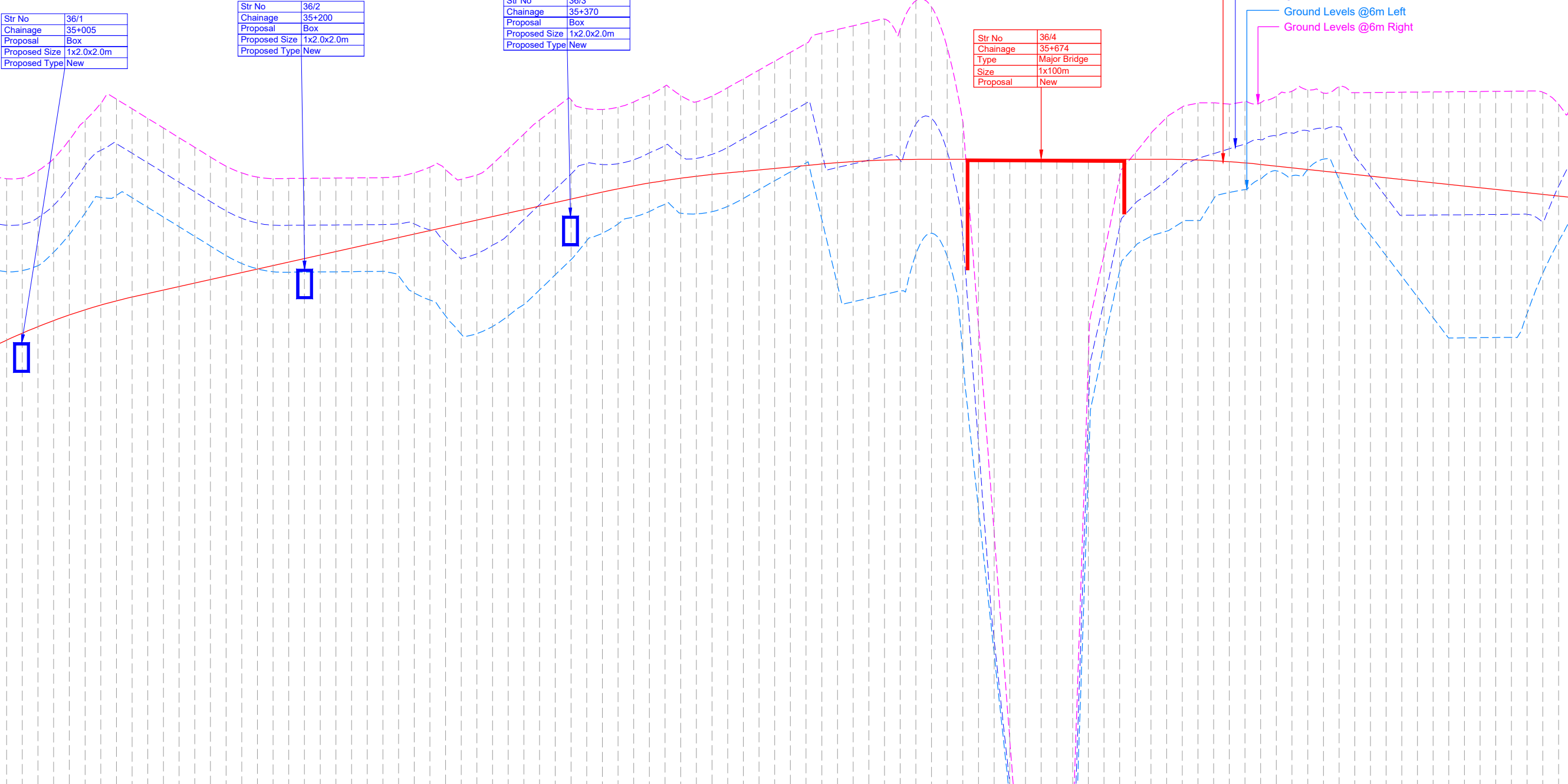
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



Chainage	Horizontal Alignment		Vertical Alignment	Ground Levels @6m Right	Ground Levels @6m Left	Ground Levels	Proposed Road Levels
35000.000	R: 200.000 L: 90.568		R=3429.169 L=120.000	1098.962	1093.045	1096.013	1088.001
35010.000							1088.475
35020.000		L=69.787	G=-2.231% L=294.709	1098.768	1092.837	1095.802	1088.475
35030.000							1088.921
35040.000		R: 300.000 L: 37.711	R=6242.343 L=80.000	1099.281	1093.224	1096.281	1089.337
35050.000							1100.048
35060.000		L=68.884	G=0.949% L=60.311	1101.236	1095.209	1098.224	1089.724
35070.000							1102.475
35080.000		R: 300.000 L: 72.812	R=7372.495 L=70.000	1103.564	1097.571	1100.569	1090.410
35090.000							1103.844
35100.000		L=50.372	G=0.000% L=153.143	1103.228	1097.555	1100.391	1091.221
35110.000							1102.613
35120.000		R: 50.000 L: 47.382	R=5647.126 L=60.000	1101.997	1096.324	1099.160	1091.444
35130.000							1101.382
35140.000		L=178.862	G=-1.062% L=237.474	1101.767	1095.093	1097.929	1091.668
35150.000							1100.151
35160.000		R: 50.000 L: 58.814		1100.568	1093.870	1096.713	1092.337
35170.000							1099.568
35180.000		L=119.527		1099.137	1093.364	1096.242	1092.560
35190.000							1098.873
35200.000				1098.777	1092.839	1095.801	1092.783
35210.000							1098.781
35220.000				1098.789	1092.807	1095.794	1093.229
35230.000							1098.797
35240.000				1098.806	1092.824	1095.811	1093.452
35250.000							1098.814
35260.000				1098.822	1092.841	1095.827	1093.675
35270.000							1098.831
35280.000				1098.839	1092.849	1095.836	1093.899
35290.000							1098.849
35300.000				1098.857	1092.857	1095.846	1094.122
35310.000							1098.862
35320.000				1098.873	1092.869	1095.854	1094.345
35330.000							1098.882
35340.000				1098.891	1092.877	1095.861	1094.568
35350.000							1098.901
35360.000				1098.912	1092.887	1095.868	1094.791
35370.000							1098.921
35380.000				1098.937	1092.897	1095.875	1095.014
35390.000							1098.947
35400.000				1098.962	1092.907	1095.882	1095.237
35410.000							1098.967
35420.000				1098.982	1092.917	1095.890	1095.460
35430.000							1098.997
35440.000				1099.000	1092.927	1095.897	1095.683
35450.000							1099.013
35460.000				1099.024	1092.937	1095.906	1095.907
35470.000							1099.037
35480.000				1099.048	1092.947	1095.914	1096.130
35490.000							1099.063
35500.000				1099.079	1092.957	1095.921	1096.353
35510.000							1099.094
35520.000				1099.109	1092.967	1095.928	1096.576
35530.000							1099.114
35540.000				1099.129	1092.977	1095.935	1096.799
35550.000							1099.134
35560.000				1099.149	1092.987	1095.942	1097.022
35570.000							1099.159
35580.000				1099.169	1092.997	1095.949	1097.245
35590.000							1099.174
35600.000				1099.184	1093.007	1095.956	1097.468
35610.000							1099.189
35620.000				1099.199	1093.017	1095.963	1097.691
35630.000							1099.204
35640.000				1099.214	1093.027	1095.970	1097.913
35650.000							1099.219
35660.000				1099.224	1093.037	1095.977	1098.122
35670.000							1099.229
35680.000				1099.234	1093.047	1095.984	1098.314
35690.000							1099.239
35700.000				1099.244	1093.057	1095.991	1098.491
35710.000							1099.249
35720.000				1099.254	1093.067	1095.998	1098.651
35730.000							1099.259
35740.000				1099.264	1093.077	1096.005	1098.795
35750.000							1099.269
35760.000				1099.274	1093.087	1096.012	1098.924
35770.000							1099.279
35780.000				1099.284	1093.097	1096.019	1099.036
35790.000							1099.289
35800.000				1099.294	1093.107	1096.026	1099.134
35810.000							1099.299
35820.000				1099.304	1093.117	1096.033	1099.229
35830.000							1099.309
35840.000				1099.314	1093.127	1096.040	1099.324
35850.000							1099.319
35860.000				1099.324	1093.137	1096.047	1099.419
35870.000							1099.329
35880.000				1099.334	1093.147	1096.054	1099.514
35890.000							1099.339
35900.000				1099.344	1093.157	1096.061	1099.609
35910.000							1099.349
35920.000				1099.354	1093.167	1096.068	1099.703
35930.000							1099.359
35940.000				1099.364	1093.177	1096.075	1099.786
35950.000							1099.369
35960.000				1099.374	1093.187	1096.082	1099.855
35970.000							1099.379
35980.000				1099.384	1093.197	1096.089	1099.911
35990.000							1099.389
36000.000				1099.394	1093.207	1096.096	1099.953
							1099.399

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

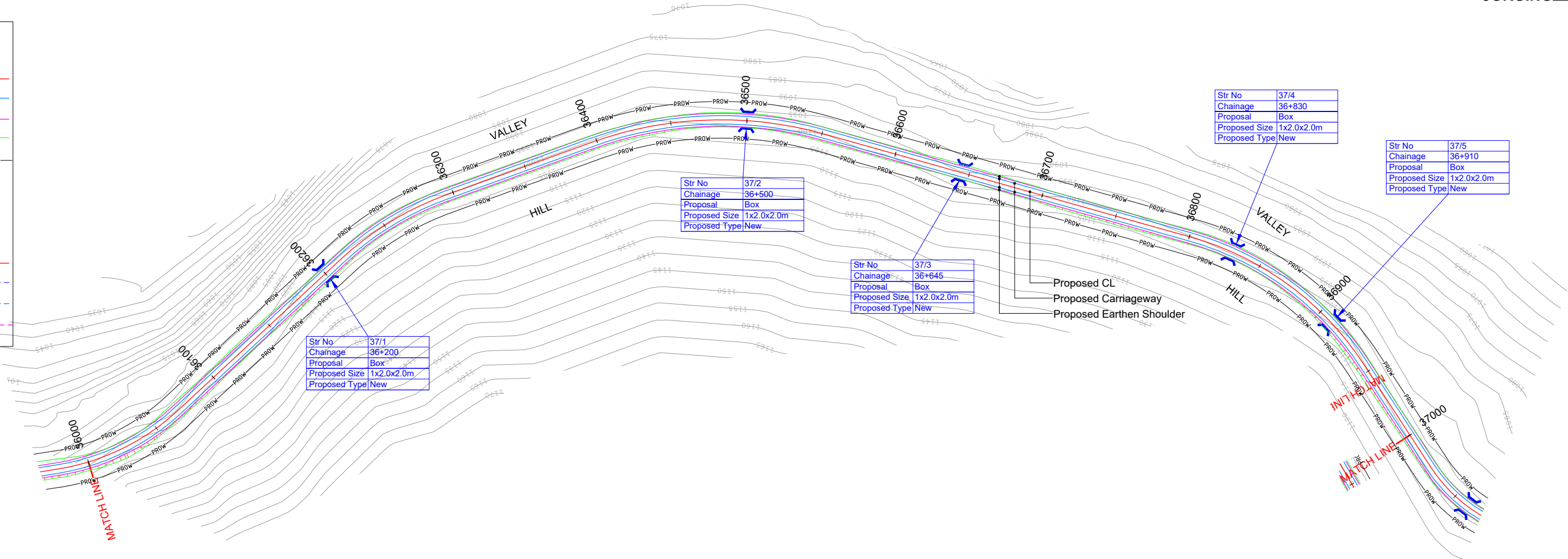
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 245 AT CH. 36023.385				HIP NO. 246 AT CH. 36254.465				HIP NO. 247 AT CH. 36473.842				HIP NO. 248 AT CH. 36872.7229999999			
X = 655329.911		Y = 3197544.47		X = 655193.094		Y = 3197355.907		X = 655002.559		Y = 3197240.978		X = 654599.059		Y = 3197272.556	
R (m)	150	Ls (m)		R (m)	200	Ls (m)		R (m)	250	Ls (m)		R (m)	200	Ls (m)	
Dc(deg)	33.9355	S(m)		Dc(deg)	22.9378	S(m)		Dc(deg)	35.5729	S(m)		Dc(deg)	41.1713	S(m)	
Lc(m)	88.84	Ts(deg)		Lc(m)	80.07	Ts(deg)		Lc(m)	155.22	Ts(deg)		Lc(m)	143.72	Ts(deg)	
Ts(m)	45.767	Δ(deg)	33.9355	Ts(m)	40.577	Δ(deg)	22.9378	Ts(m)	80.201	Δ(deg)	35.5729	Ts(m)	75.118	Δ(deg)	41.1713
Es(m)	6.827	e(%)	7.41%	Es(m)	4.075	e(%)	5.56%	Es(m)	12.549	e(%)	4.44%	Es(m)	13.642	e(%)	5.56%
V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6
CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	RIGHT		

LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

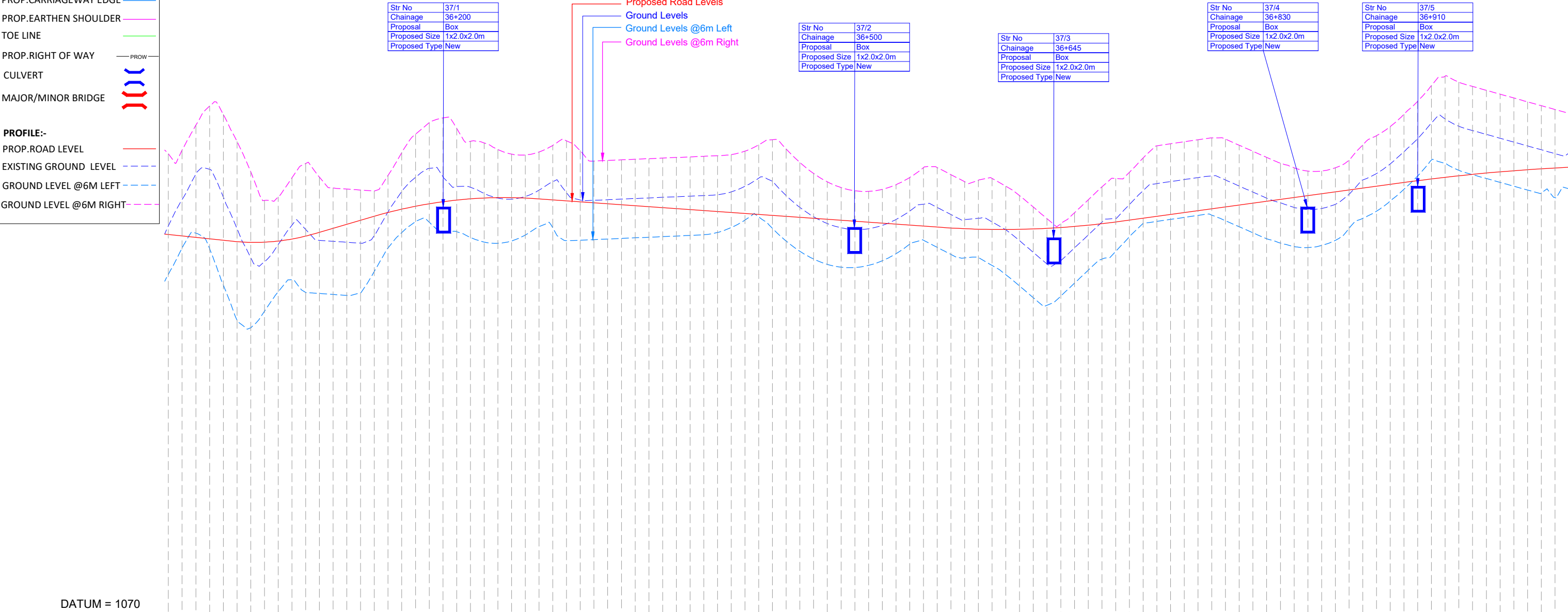
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



Chainage	Horizontal Alignment		Vertical Alignment		Ground Levels @6m Right	Ground Levels @6m Left	Ground Levels	Proposed Road Levels
36000.000	R: 150.000 L: 88.844		R=1502.162 L=60.000		1103.519	1094.752	1098.277	1097.856
36010.000					1103.783	1096.663	1100.200	1097.549
36020.000	L=146.624		G=2.932% L=41.035		1105.603	1097.743	1102.046	1097.443
36030.000					1107.007	1096.623	1102.401	1097.337
36040.000	R: 200.000 L: 80.069		R=3297.873 L=120.000		1106.402	1093.973	1100.384	1097.231
36050.000					1104.423	1091.423	1098.084	1097.128
36060.000	L=101.735		G=-0.707% L=295.253		1102.204	1090.862	1095.964	1097.076
36070.000					1100.132	1092.054	1095.671	1097.091
36080.000	R: 250.000 L: 155.216		R=6258.389 L=130.000		1100.386	1093.479	1096.916	1097.172
36090.000					1101.773	1094.356	1098.324	1097.320
36100.000	L=249.415		G=1.370% L=207.339		1102.826	1093.438	1098.012	1097.534
36110.000					1101.822	1093.355	1097.231	1097.812
36120.000	R: 200.000 L: 80.642		R=13319 L=200.0		1101.033	1093.285	1097.156	1098.105
36130.000					1100.957	1093.216	1097.086	1098.398
36140.000	L=80.642				1100.888	1093.405	1097.017	1098.692
36150.000					1100.818	1094.963	1097.579	1098.984
36160.000					1101.946	1096.678	1099.294	1099.256
36170.000					1103.621	1097.789	1100.781	1099.497
36180.000					1104.951	1098.587	1101.806	1099.708
36190.000					1105.794	1098.541	1102.456	1099.888
36200.000					1106.136	1097.865	1101.859	1100.038
36210.000					1105.372	1097.854	1101.143	1100.158
36220.000					1104.436	1097.432	1101.085	1100.248
36230.000					1104.317	1097.101	1100.639	1100.307
36240.000					1103.834	1097.009	1100.300	1100.336
36250.000					1103.503	1097.182	1100.226	1100.335
36260.000					1103.439	1097.612	1100.416	1100.303
36270.000					1103.660	1098.228	1100.881	1100.242
36280.000					1104.141	1098.131	1101.487	1100.171
36290.000					1104.471	1097.194	1100.689	1100.100
36300.000					1103.766	1097.236	1100.157	1100.030
36310.000					1103.000	1097.279	1100.140	1099.959
36320.000					1103.043	1097.322	1100.183	1099.888
36330.000					1103.086	1097.366	1100.226	1099.818
36340.000					1103.129	1097.409	1100.269	1099.747
36350.000					1103.172	1097.452	1100.312	1099.676
36360.000					1103.215	1097.495	1100.355	1099.605
36370.000					1103.258	1097.538	1100.398	1099.535
36380.000					1103.301	1097.581	1100.441	1099.464
36390.000					1103.344	1097.631	1100.484	1099.393
36400.000					1103.387	1097.680	1100.543	1099.323
36410.000					1103.468	1098.155	1100.755	1099.252
36420.000					1103.724	1098.702	1101.162	1099.181
36430.000					1104.174	1098.928	1101.759	1099.111
36440.000					1104.550	1098.096	1101.524	1099.040
36450.000					1103.878	1097.171	1100.482	1098.969
36460.000					1102.892	1096.429	1099.624	1098.898
36470.000					1102.097	1095.864	1098.945	1098.828
36480.000					1101.489	1095.477	1098.448	1098.757
36490.000					1101.066	1095.269	1098.137	1098.686
36500.000					1100.833	1095.246	1098.014	1098.616
36510.000					1100.793	1095.402	1098.072	1098.545
36520.000					1100.939	1095.736	1098.314	1098.474
36530.000					1101.273	1096.251	1098.743	1098.404
36540.000					1101.801	1096.948	1099.357	1098.333
36550.000					1102.513	1097.232	1099.856	1098.262
36560.000					1102.527	1096.716	1099.621	1098.192
36570.000					1102.011	1096.200	1099.105	1098.125
36580.000					1101.495	1095.944	1098.740	1098.073
36590.000					1101.604	1095.972	1098.834	1098.037
36600.000					1101.738	1095.396	1098.566	1098.017
36610.000					1101.162	1094.726	1097.990	1098.014
36620.000					1100.479	1093.899	1097.197	1098.026
36630.000					1099.649	1093.051	1096.349	1098.054
36640.000					1098.801	1092.500	1095.501	1098.098
36650.000					1098.431	1093.161	1095.739	1098.158
36660.000					1099.234	1094.105	1096.670	1098.235
36670.000					1100.178	1095.048	1097.614	1098.327
36680.000					1101.116	1095.864	1098.550	1098.435
36690.000					1101.731	1096.414	1098.821	1098.559
36700.000					1102.178	1097.481	1099.820	1098.695
36710.000					1103.223	1098.456	1100.850	1098.832
36720.000					1104.112	1098.602	1101.357	1098.969
36730.000					1104.258	1098.748	1101.503	1099.106
36740.000					1104.404	1098.895	1101.649	1099.243
36750.000					1104.550	1099.041	1101.796	1099.380
36760.000					1104.687	1099.063	1101.917	1099.517
36770.000					1104.589	1098.654	1101.621	1099.654
36780.000					1104.148	1098.213	1101.180	1099.791
36790.000					1103.707	1097.772	1100.739	1099.928
36800.000					1103.266	1097.347	1100.298	1100.065
36810.000					1102.844	1097.025	1099.954	1100.202
36820.000					1102.505	1096.772	1099.623	1100.339
36830.000					1102.270	1096.698	1099.471	1100.476
36840.000					1102.266	1096.846	1099.547	1100.613
36850.000					1102.509	1097.220	1099.856	1100.750
36860.000					1103.059	1098.097	1100.583	1100.887
36870.000					1104.170	1098.829	1101.632	1101.025
36880.000					1104.848	1099.344	1102.092	1101.162
36890.000					1105.502	1100.084	1102.793	1101.299
36900.000					1106.407	1100.950	1103.681	1101.436
36910.000					1107.351	1101.911	1104.633	1101.569
36920.000					1108.492	1103.069	1105.772	1101.695
36930.000					1109.178	1102.849	1106.067	1101.814
36940.000					1108.740	1102.319	1105.529	1101.925
36950.000					1108.429	1102.008	1105.218	1102.029
36960.000					1108.149	1101.728	1104.938	1102.125
36970.000					1107.870	1101.448	1104.658	1102.213
36980.000					1107.590	1101.168	1104.378	1102.294
36990.000					1107.310	1100.888	1104.098	1102.368
37000.000					1107.030	1100.669	1103.819	1102.434



LEGEND

PLAN:-

PROP.CENTER LINE

PROP.CARRIAGEWAY EDGE

PROP.EARTHEN SHOULDER

TOE LINE

PROP.RIGHT OF WAY

CULVERT

MAJOR/MINOR BRIDGE

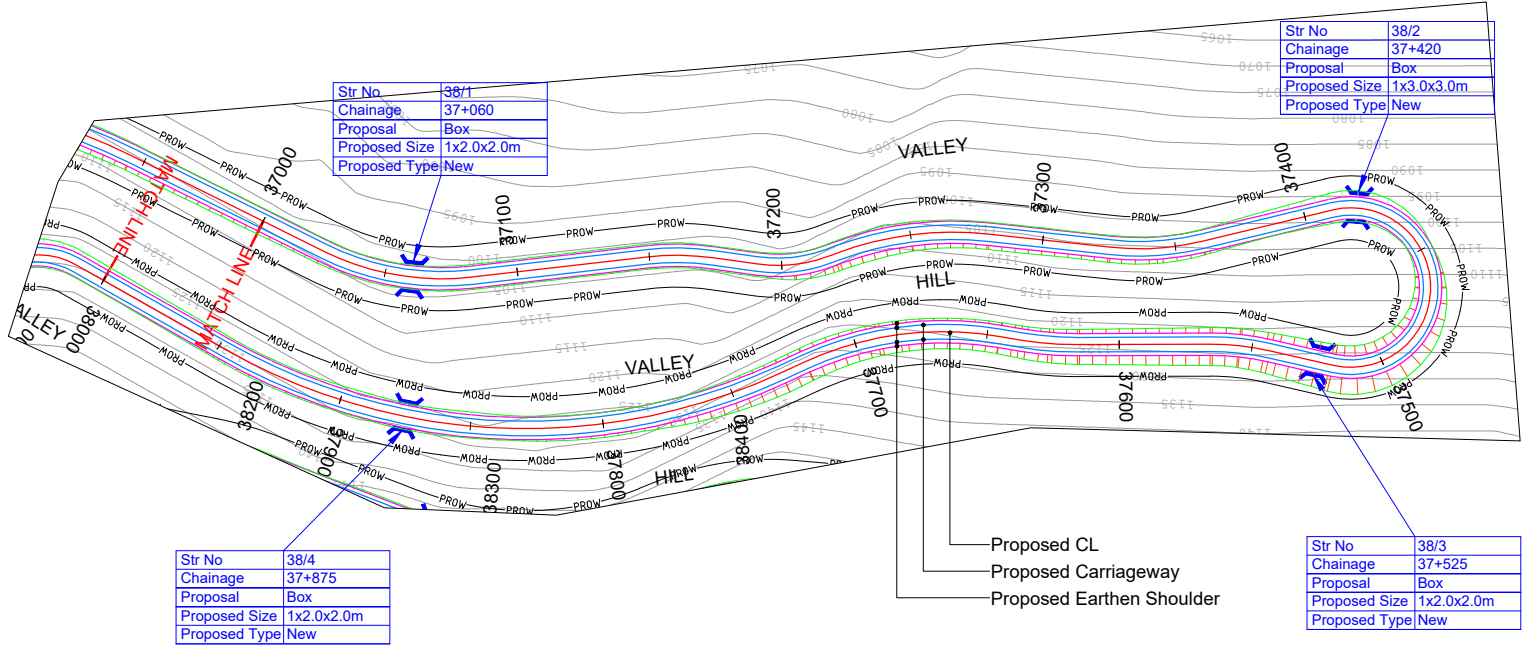
PROFILE:-

PROP.ROAD LEVEL

EXISTING GROUND LEVEL

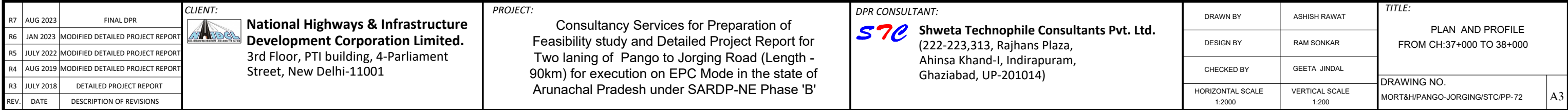
GROUND LEVEL @6M LEFT

GROUND LEVEL @6M RIGHT



HIP NO. 249 AT CH. 37054.039				HIP NO. 250 AT CH. 37161.456				HIP NO. 251 AT CH. 37204.403				HIP NO. 252 AT CH. 37250.314				HIP NO. 253 AT CH. 37342.908				HIP NO. 254 AT CH. 37464.689				HIP NO. 255 AT CH. 37554.396			
X = 654469.447 Y = 3197405.124				X = 654363.754 Y = 3197428.797				X = 654325.253 Y = 3197448.627				X = 654278.531 Y = 3197447.584				X = 654194.206 Y = 3197487.506				X = 654253.841 Y = 3197481.578				X = 654175.792 Y = 3197530.518			
R (m) 100 Ls (m)				R (m) 100 Ls (m)				R (m) 55 Ls (m)				R (m) 125 Ls (m)				R (m) 100 Ls (m)				R (m) 30 Ls (m)				R (m) 100 Ls (m)			
Dc(deg) 33.0213 S(m)				Dc(deg) 14.627 S(m)				Dc(deg) 28.5302 S(m)				Dc(deg) 26.6132 S(m)				Dc(deg) 19.6576 S(m)				Dc(deg) 206.4119 S(m)				Dc(deg) 13.0898 S(m)			
Lc(m) 57.63 Ts(deg)				Lc(m) 25.53 Ts(deg)				Lc(m) 27.39 Ts(deg)				Lc(m) 58.06 Ts(deg)				Lc(m) 34.31 Ts(deg)				Lc(m) 108.08 Ts(deg)				Lc(m) 22.85 Ts(deg)			
Ts(m) 29.642 Δ(deg) 33.0213				Ts(m) 12.834 Δ(deg) 14.627				Ts(m) 13.984 Δ(deg) 28.5302				Ts(m) 29.564 Δ(deg) 26.6132				Ts(m) 17.325 Δ(deg) 19.6576				Ts(m) -127.846 Δ(deg) 206.4119				Ts(m) 11.473 Δ(deg) 13.0898			
Es(m) 4.301 e(%) 10.00%				Es(m) 0.82 e(%) 10.00%				Es(m) 1.75 e(%) 10.00%				Es(m) 3.449 e(%) 8.89%				Es(m) 1.49 e(%) 10.00%				Es(m) -161.319 e(%) 10.00%				Es(m) 0.656 e(%) 10.00%			
V(km/hr) 50 We(m) 0.9				V(km/hr) 50 We(m) 0.9				V(km/hr) 40 We(m) 1.2				V(km/hr) 50 We(m) 0.6				V(km/hr) 50 We(m) 0.9				V(km/hr) 30 We(m) 1.5				V(km/hr) 50 We(m) 0.9			
CurveType LEFT				CurveType RIGHT				CurveType LEFT				CurveType RIGHT				CurveType RIGHT				CurveType LEFT				CurveType RIGHT			

HIP NO. 256 AT CH. 37626.596				HIP NO. 257 AT CH. 37682.756				HIP NO. 258 AT CH. 37838.902			
X = 654244.132 Y = 3197506.987				X = 654294.33 Y = 3197479.243				X = 654459.814 Y = 3197495.045			
R (m) 125 Ls (m)				R (m) 125 Ls (m)				R (m) 230 Ls (m)			
Dc(deg) 9.93 S(m)				Dc(deg) 34.3839 S(m)				Dc(deg) 54.2252 S(m)			
Lc(m) 21.66 Ts(deg)				Lc(m) 75.01 Ts(deg)				Lc(m) 217.67 Ts(deg)			
Ts(m) 10.859 Δ(deg) 9.93				Ts(m) 38.675 Δ(deg) 34.3839				Ts(m) 117.761 Δ(deg) 54.2252			
Es(m) 0.471 e(%) 8.89%				Es(m) 5.846 e(%) 8.89%				Es(m) 28.394 e(%) 4.83%			
V(km/hr) 50 We(m) 0.6				V(km/hr) 50 We(m) 0.6				V(km/hr) 50 We(m) 0.6			
CurveType RIGHT				CurveType LEFT				CurveType LEFT			

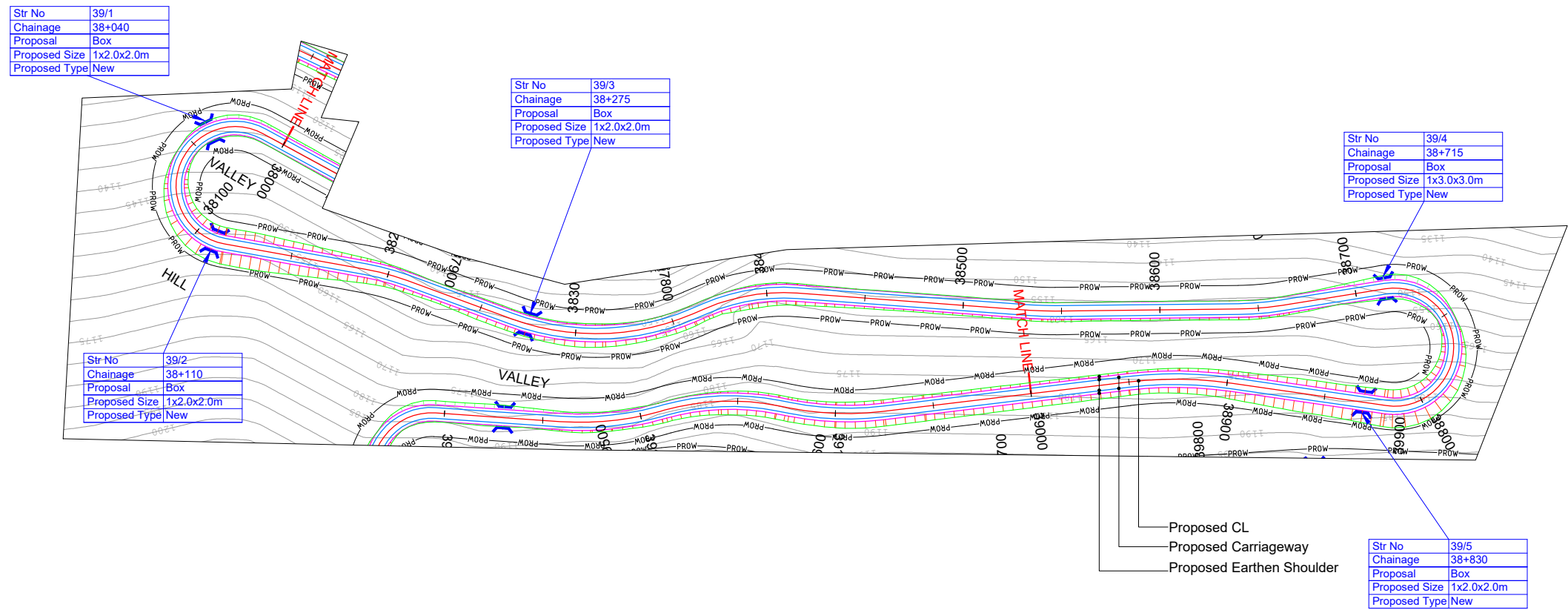


PROP. ROAD LEVEL ————

EXISTING GROUND LEVEL - - - -

GROUND LEVEL @6M LEFT - - - -

GROUND LEVEL @6M RIGHT - - - -



HIP NO. 259 AT CH. 38063.6				HIP NO. 260 AT CH. 38199.215				HIP NO. 261 AT CH. 38313.533				HIP NO. 262 AT CH. 38391.684				HIP NO. 263 AT CH. 38540.622				HIP NO. 264 AT CH. 38650.99				HIP NO. 265 AT CH. 38766.781				HIP NO. 266 AT CH. 38924.153			
X = 654457.627 Y = 3197497.541				X = 654545.046 Y = 3197446.359				X = 654456.076 Y = 3197521.922				X = 654375.189 Y = 3197517.769				X = 654239.108 Y = 3197579.441				X = 654135.082 Y = 3197616.387				X = 654264.798 Y = 3197591.05				X = 654185.253 Y = 3197634.114			
R (m)	30	LS (m)		R (m)	125	LS (m)		R (m)	125	LS (m)		R (m)	100	LS (m)		R (m)	150	LS (m)		R (m)	150	LS (m)		R (m)	150	LS (m)		R (m)	200	LS (m)	
Dc(deg)	198.4229	S(m)		Dc(deg)	9.9938	S(m)		Dc(deg)	43.2808	S(m)		Dc(deg)	27.3198	S(m)		Dc(deg)	4.827	S(m)		Dc(deg)	8.5012	S(m)		Dc(deg)	8.5012	S(m)		Dc(deg)	197.3763	S(m)	
Lc(m)	103.89	Ts(deg)		Lc(m)	21.8	Ts(deg)		Lc(m)	94.42	Ts(deg)		Lc(m)	47.68	Ts(deg)		Lc(m)	12.64	Ts(deg)		Lc(m)	22.26	Ts(deg)		Lc(m)	22.26	Ts(deg)		Lc(m)	103.35	Ts(deg)	
	-184.99	Δ(deg)	198.4229	Ts(m)	10.929	Δ(deg)	9.9938	Ts(m)	49.593	Δ(deg)	43.2808	Ts(m)	24.303	Δ(deg)	27.3198	Ts(m)	6.322	Δ(deg)	4.827	Ts(m)	11.148	Δ(deg)	8.5012	Ts(m)	11.148	Δ(deg)	197.3763	Ts(m)	26.53	Δ(deg)	15.1126
Es(m)	-217.406	e(%)	10.00%	Es(m)	0.477	e(%)	8.89%	Es(m)	9.478	e(%)	8.89%	Es(m)	2.911	e(%)	10.00%	Es(m)	0.133	e(%)	7.41%	Es(m)	0.414	e(%)	7.41%	Es(m)	-228.60	e(%)	10.00%	Es(m)	1.752	e(%)	5.56%
V(km/hr)	30	We(m)	1.5	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.9	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	50	We(m)	0.6	V(km/hr)	30	We(m)	1.5
CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	LEFT			CurveType	RIGHT			CurveType	RIGHT			CurveType	RIGHT			CurveType	LEFT		

TITLE: PLAN AND PROFILE FROM CH:38+000 TO 39+000	
DRAWING NO. MORT&H/PANGO-JORGING/STC/PP-73	A3

PLAN:-

PROFILE:-

Str No	39/1
Chainage	38+040
Proposal	Box
Proposed Size	1x2.0x2.0m
Proposed Type	New

Str No	39/2
Chainage	38+110
Proposal	Box
Proposed Size	1x2.0x2.0m
Proposed Type	New

Str No	39/3
Chainage	38+275
Proposal	Box
Proposed Size	1x2.0x2.0m
Proposed Type	New

- Proposed Road Levels
- Ground Levels
- Ground Levels @6m Left
- Ground Levels @6m Right

Str No	39/4
Chainage	38+715
Proposal	Box
Proposed Size	1x3.0x3.0m
Proposed Type	New

Str No	39/5
Chainage	38+830
Proposal	Box
Proposed Size	1x2.0x2.0m
Proposed Type	New

DATUM = 1120

DATUM = 1130

Chainage	Horizontal Alignment		Vertical Alignment	Ground Levels @6m Right	Ground Levels @6m Left	Ground Levels	Proposed Road Levels
38000.000			R=6300.202 L=120.000	1126.269	1133.301	1130.059	1132.112
38010.000				1126.835	1133.288	1129.789	1132.502
38020.000			1126.620	1133.276	1128.906	1132.908	
38030.000			1128.525	1132.798	1128.873	1133.330	
38040.000			1131.544	1131.624	1130.308	1133.767	
38050.000			1135.218	1132.266	1133.053	1134.221	
38060.000			1139.311	1134.579	1136.929	1134.690	
38070.000			1143.879	1138.375	1141.192	1135.175	
38080.000			1148.647	1143.001	1146.056	1135.672	
38090.000			1153.156	1147.693	1150.720	1136.170	
38100.000			1156.989	1151.625	1154.347	1136.668	
38110.000			1159.376	1154.131	1156.751	1137.166	
38120.000			1160.511	1154.973	1157.750	1137.663	
38130.000			1161.125	1155.488	1158.029	1138.161	
38140.000			1160.593	1153.983	1157.292	1138.659	
38150.000			1158.923	1152.300	1155.609	1139.157	
38160.000			1157.042	1150.617	1153.926	1139.654	
38170.000			1155.557	1148.934	1152.243	1140.152	
38180.000			1153.874	1147.251	1150.561	1140.650	
38190.000			1152.192	1145.590	1148.888	1141.147	
38200.000			1150.735	1144.231	1147.479	1141.645	
38210.000			1149.711	1143.266	1146.486	1142.143	
38220.000			1148.937	1142.492	1145.712	1142.641	
38230.000			1148.584	1142.326	1145.309	1143.138	
38240.000			1150.651	1143.891	1147.296	1143.636	
38250.000			1152.388	1145.462	1148.926	1144.134	
38260.000			1153.190	1146.189	1149.618	1144.632	
38270.000			1153.574	1146.463	1149.999	1145.129	
38280.000			1154.147	1147.009	1150.582	1145.627	
38290.000			1155.574	1148.254	1151.951	1146.125	
38300.000			1156.912	1149.301	1153.174	1146.622	
38310.000			1157.409	1149.219	1153.312	1147.120	
38320.000			1157.090	1148.778	1152.959	1147.618	
38330.000			1156.521	1147.854	1152.220	1148.116	
38340.000			1155.976	1147.439	1152.009	1148.613	
38350.000			1157.408	1148.156	1152.668	1149.111	
38360.000			1157.458	1148.392	1153.154	1149.609	
38370.000			1156.707	1148.924	1152.691	1150.107	
38380.000			1156.377	1150.397	1154.289	1150.604	
38390.000			1160.618	1152.532	1156.180	1151.102	
38400.000			1161.161	1153.987	1157.861	1151.600	
38410.000			1160.238	1154.328	1157.264	1152.098	
38420.000			1159.700	1153.528	1156.809	1152.595	
38430.000			1158.919	1153.138	1156.028	1153.093	
38440.000			1158.646	1152.748	1155.638	1154.007	
38450.000			1158.660	1152.677	1155.668	1154.397	
38460.000			1158.938	1152.965	1155.952	1154.743	
38470.000			1159.227	1153.253	1156.240	1155.045	
38480.000			1159.515	1153.542	1156.529	1155.303	
38490.000			1159.803	1153.830	1156.817	1155.516	
38500.000			1160.092	1154.118	1157.105	1155.684	
38510.000			1160.380	1154.407	1157.394	1155.809	
38520.000			1160.668	1154.695	1157.682	1155.889	
38530.000			1160.935	1154.871	1157.913	1155.925	
38540.000			1160.932	1154.745	1157.841	1155.916	
38550.000			1160.753	1154.560	1157.656	1155.882	
38560.000			1160.566	1154.372	1157.469	1155.848	
38570.000			1160.379	1154.185	1157.282	1155.814	
38580.000			1160.192	1154.036	1157.095	1155.780	
38590.000			1160.146	1154.129	1157.111	1155.746	
38600.000			1160.289	1154.325	1157.307	1155.712	
38610.000			1160.484	1154.520	1157.502	1155.677	
38620.000			1160.679	1154.700	1157.698	1155.643	
38630.000			1160.853	1154.769	1157.824	1155.609	
38640.000			1160.827	1154.531	1157.695	1155.575	
38650.000			1160.458	1153.947	1157.219	1155.541	
38660.000			1159.798	1153.223	1156.514	1155.541	
38670.000			1158.891	1151.939	1155.412	1155.600	
38680.000			1157.130	1150.106	1153.615	1155.717	
38690.000			1155.245	1148.203	1151.738	1155.893	
38700.000			1153.290	1146.245	1149.820	1156.127	
38710.000			1151.807	1145.234	1148.459	1156.419	
38720.000			1152.677	1146.698	1149.690	1156.770	
38730.000			1155.692	1149.583	1152.627	1157.179	
38740.000			1160.335	1153.667	1156.954	1157.647	
38750.000			1165.816	1158.630	1162.189	1158.173	
38760.000			1171.195	1163.510	1167.728	1158.723	
38770.000			1175.551	1169.115	1173.050	1159.273	
38780.000			1178.142	1174.576	1177.477	1159.823	
38790.000			1178.524	1179.324	1180.560	1160.373	
38800.000			1177.455	1182.756	1181.947	1160.923	
38810.000			1176.416	1184.805	1181.525	1161.473	
38820.000			1176.422	1185.351	1180.834	1162.023	
38830.000			1176.721	1184.507	1179.453	1162.573	
38840.000			1176.498	1183.417	1179.609	1163.123	
38850.000			1175.673	1182.481	1179.898	1163.673	
38860.000			1174.844	1178.173	1175.060	1164.223	
38870.000			1173.783	1177.975	1175.657	1164.610	
38880.000			1173.904	1182.750	1178.455	1164.773	
38890.000			1173.041	1182.064	1177.575	1165.323	
38900.000			1172.411	1181.239	1176.613	1165.873	
38910.000			1172.034	1180.277	1175.819	1166.423	
38920.000			1171.934	1179.341	1175.275	1166.973	
38930.000			1172.343	1178.625	1174.987	1167.522	
38940.000			1173.046	1178.173	1175.060	1168.068	
38950.000			1173.783	1177.975	1175.657	1168.610	
38960.000			1174.521	1178.315	1176.392	1169.149	
38970.000			1175.259	1178.999	1177.130	1169.683	
38980.000			1175.979	1179.737	1177.868	1170.214	
38990.000			1176.678	1180.475	1178.605	1170.740	
39000.000			1177.370	1181.212	1179.320	1171.263	

R7	AUG 2023	FINAL DPR	CLIENT: National Highways & Infrastructure Development Corporation Limited. 3rd Floor, PTI building, 4-Parliament Street, New Delhi-11001	PROJECT: Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'	DPR CONSULTANT: Shweta Technophile Consultants Pvt. Ltd. (222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)	DRAWN BY	ASHISH RAWAT	TITLE: PLAN AND PROFILE FROM CH:38+000 TO 39+000	DRAWING NO. MORT&H/PANGO-JORGING/STC/PP- 74	A3
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT				DESIGN BY	RAM SONKAR			
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT				CHECKED BY	GEETA JINDAL			
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT				HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200			
R3	JULY 2018	DETAILED PROJECT REPORT								
REV.	DATE	DESCRIPTION OF REVISIONS								



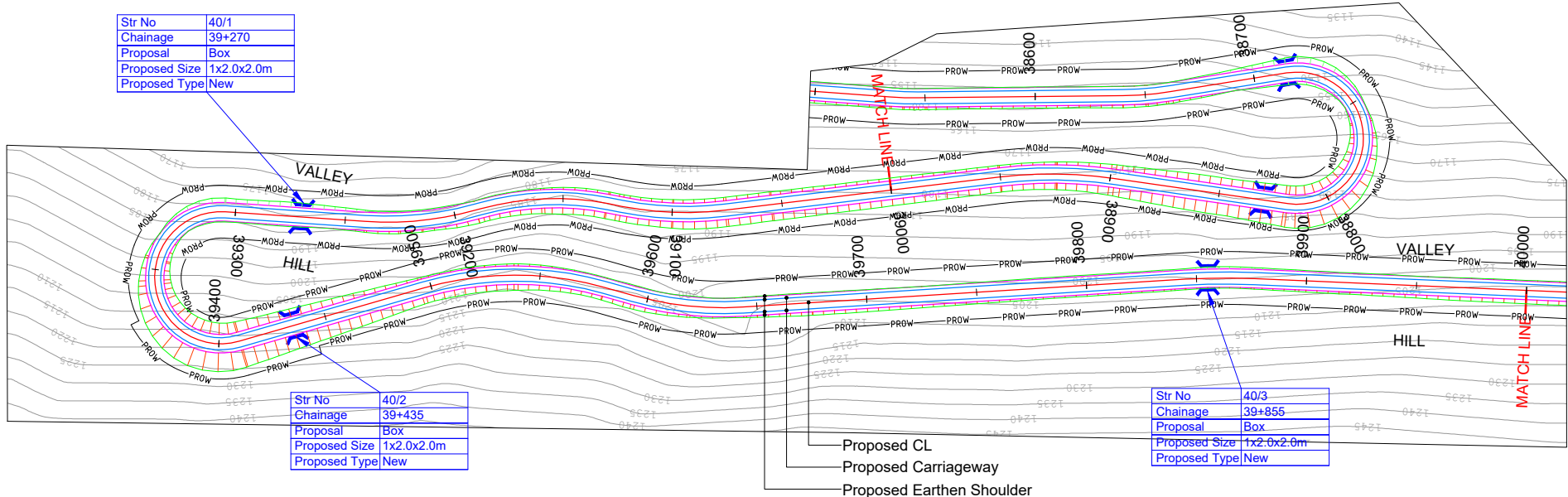
LEGEND

PLAN:-

- PROP.CENTER LINE
- PROP.CARRIAGEWAY EDGE
- PROP.EARTHEN SHOULDER
- TOE LINE
- PROP.RIGHT OF WAY
- CULVERT
- MAJOR/MINOR BRIDGE

PROFILE:-

- PROP.ROAD LEVEL
- EXISTING GROUND LEVEL
- GROUND LEVEL @6M LEFT
- GROUND LEVEL @6M RIGHT



HIP NO. 267 AT CH. 39099.524			HIP NO. 268 AT CH. 39158.482			HIP NO. 269 AT CH. 39215.544			HIP NO. 270 AT CH. 39356.942			HIP NO. 271 AT CH. 39538.137			HIP NO. 272 AT CH. 39618.566			HIP NO. 273 AT CH. 39860.519		
X = 654356.247	Y = 3197593.638		X = 654407.263	Y = 3197562.649		X = 654464.925	Y = 3197558.009		X = 654391.179	Y = 3197591.037		X = 654431.244	Y = 3197588.151		X = 654364.933	Y = 3197635.973		X = 654132.803	Y = 3197705.109	
R (m)	150	Ls (m)	R (m)	125	Ls (m)	R (m)	150	Ls (m)	R (m)	30	Ls (m)	R (m)	150	Ls (m)	R (m)	150	Ls (m)	R (m)	300	Ls (m)
Dc(deg)	17.9592	S(m)	Dc(deg)	26.676	S(m)	Dc(deg)	19.526	S(m)	Dc(deg)	200.0043	S(m)	Dc(deg)	31.6777	S(m)	Dc(deg)	19.2128	S(m)	Dc(deg)	6.0697	S(m)
Lc(m)	47.02	Ts(deg)	Lc(m)	58.2	Ts(deg)	Lc(m)	51.12	Ts(deg)	Lc(m)	104.72	Ts(deg)	Lc(m)	82.93	Ts(deg)	Lc(m)	50.3	Ts(deg)	Lc(m)	31.78	Ts(deg)
Ts(m)	23.703	Δ(deg)	Ts(m)	29.636	Δ(deg)	Ts(m)	25.81	Δ(deg)	Ts(m)	-170.10	Δ(deg)	Ts(m)	42.556	Δ(deg)	Ts(m)	25.388	Δ(deg)	Ts(m)	15.905	Δ(deg)
Es(m)	1.861	e(%)	Es(m)	3.465	e(%)	Es(m)	2.204	e(%)	Es(m)	-202.726	e(%)	Es(m)	5.92	e(%)	Es(m)	2.133	e(%)	Es(m)	0.421	e(%)
V(km/hr)	50	We(m)	V(km/hr)	50	We(m)	V(km/hr)	50	We(m)	V(km/hr)	30	We(m)	V(km/hr)	50	We(m)	V(km/hr)	50	We(m)	V(km/hr)	50	We(m)
CurveType	LEFT		CurveType	LEFT		CurveType	LEFT		CurveType	RIGHT		CurveType	LEFT		CurveType	RIGHT		CurveType	RIGHT	

R7	AUG 2023	FINAL DPR
R6	JAN 2023	MODIFIED DETAILED PROJECT REPORT
R5	JULY 2022	MODIFIED DETAILED PROJECT REPORT
R4	AUG 2019	MODIFIED DETAILED PROJECT REPORT
R3	JULY 2018	DETAILED PROJECT REPORT
REV.	DATE	DESCRIPTION OF REVISIONS

CLIENT:

 **National Highways & Infrastructure Development Corporation Limited.**
3rd Floor, PTI building, 4-Parliament Street, New Delhi-11001

PROJECT:

Consultancy Services for Preparation of Feasibility study and Detailed Project Report for Two laning of Pango to Jorging Road (Length - 90km) for execution on EPC Mode in the state of Arunachal Pradesh under SARDP-NE Phase 'B'

DPR CONSULTANT:

 **Shweta Technophile Consultants Pvt. Ltd.**
(222-223,313, Rajhans Plaza, Ahinsa Khand-I, Indirapuram, Ghaziabad, UP-201014)

DRAWN BY	ASHISH RAWAT
DESIGN BY	RAM SONKAR
CHECKED BY	GEETA JINDAL
HORIZONTAL SCALE 1:2000	VERTICAL SCALE 1:200

TITLE:

PLAN AND PROFILE
FROM CH:39+000 TO 40+000

DRAWING NO.
MORT&H/PANGO-JORGING/STC/PP-75

A3

