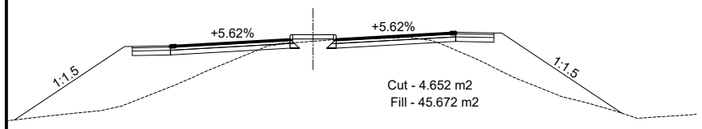
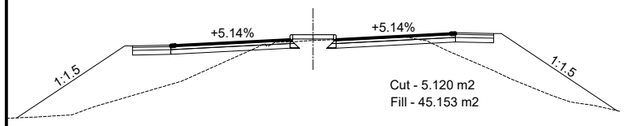
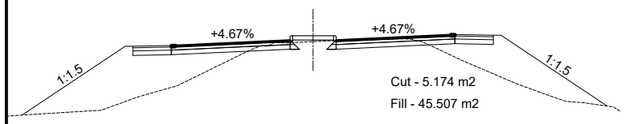
Ch:627+500
GL:123.134
DL:123.287



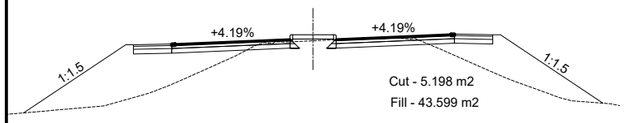
Ch:627+510
GL:123.110
DL:123.213



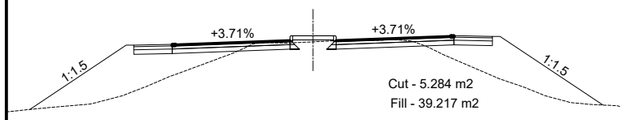
Ch:627+520
GL:123.057
DL:123.161



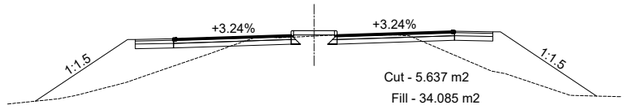
Ch:627+530
GL:123.016
DL:123.130



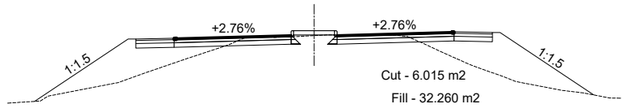
Ch:627+540
GL:123.001
DL:123.120



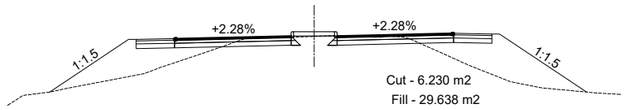
Ch:627+550
GL:123.058
DL:123.131



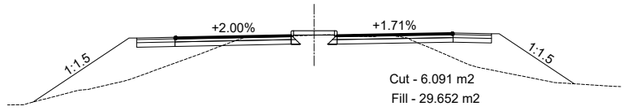
Ch:627+560
GL:123.105
DL:123.147



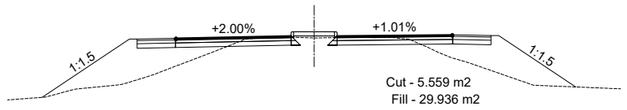
Ch:627+570
GL:123.131
DL:123.162



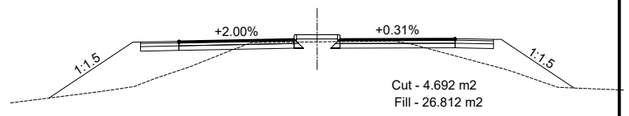
Ch:627+580
GL:123.163
DL:123.177



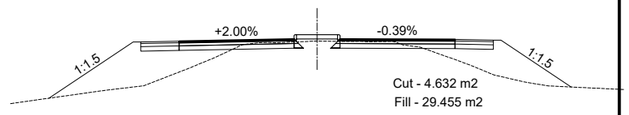
Ch:627+590
GL:123.070
DL:123.193



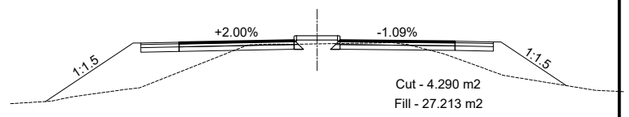
Ch:627+600
GL:123.019
DL:123.208



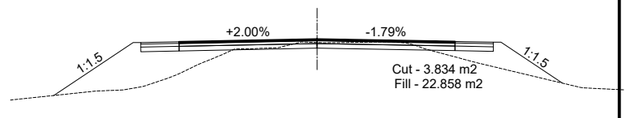
Ch:627+610
GL:123.084
DL:123.224



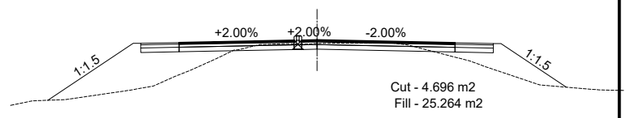
Ch:627+620
GL:122.984
DL:123.239



Ch:627+630
GL:123.024
DL:123.255

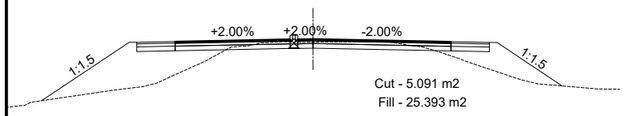


Ch:627+640
GL:123.048
DL:123.270

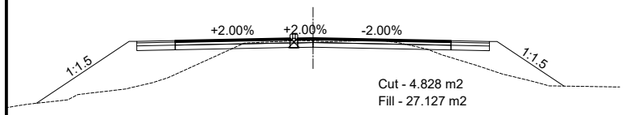


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:627+500 - 627+640	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 254

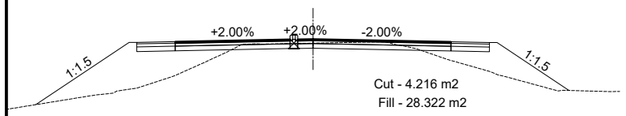
Ch:627+650
GL:123.079
DL:123.286



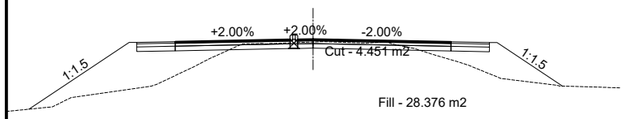
Ch:627+660
GL:123.100
DL:123.301



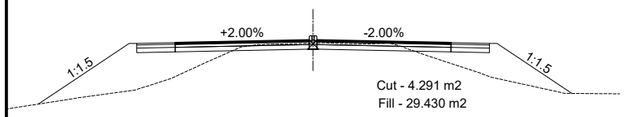
Ch:627+670
GL:123.044
DL:123.316



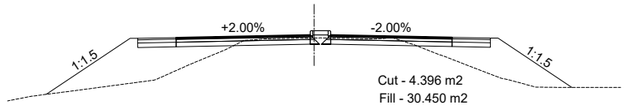
Ch:627+680
GL:123.140
DL:123.332



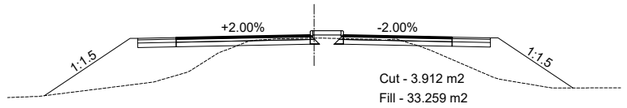
Ch:627+690
GL:123.148
DL:123.347



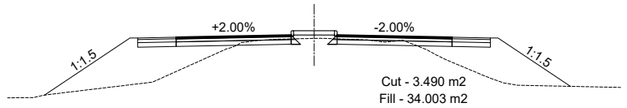
Ch:627+700
GL:123.165
DL:123.363



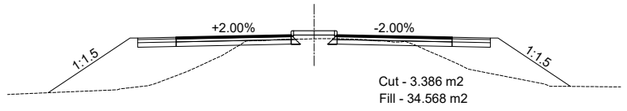
Ch:627+710
GL:123.168
DL:123.378



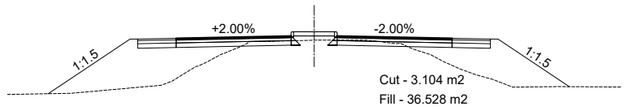
Ch:627+720
GL:123.169
DL:123.394



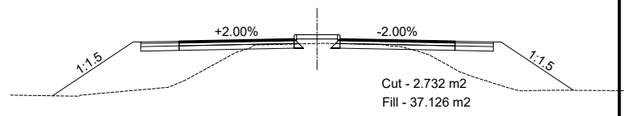
Ch:627+730
GL:123.160
DL:123.409



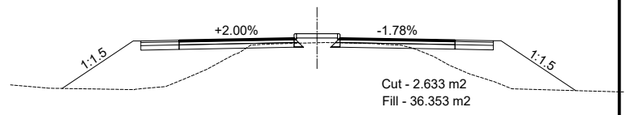
Ch:627+740
GL:123.150
DL:123.425



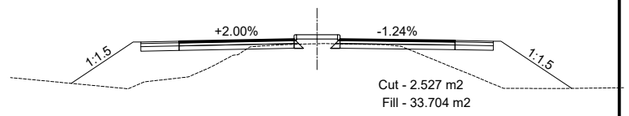
Ch:627+750
GL:123.145
DL:123.440



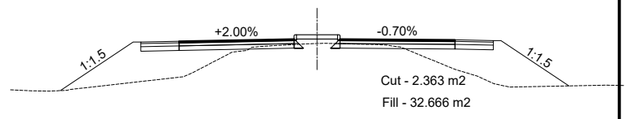
Ch:627+760
GL:123.145
DL:123.455



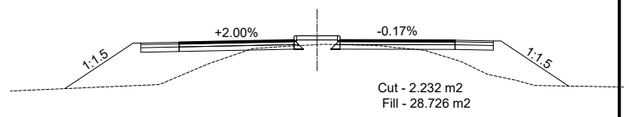
Ch:627+770
GL:123.161
DL:123.471



Ch:627+780
GL:123.192
DL:123.486

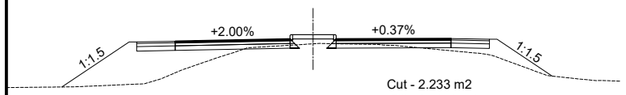


Ch:627+790
GL:123.200
DL:123.502



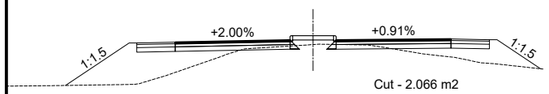
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:627+650 - 627+790	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 255

Ch:627+800
GL:123.201
DL:123.517



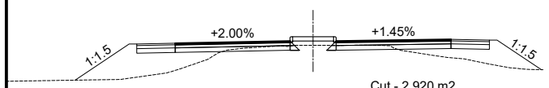
Cut - 2.233 m2
Fill - 21.249 m2

Ch:627+810
GL:123.231
DL:123.533



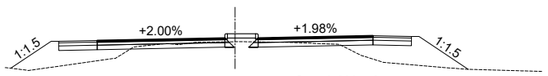
Cut - 2.066 m2
Fill - 22.539 m2

Ch:627+820
GL:123.265
DL:123.548



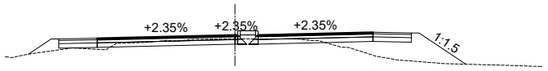
Cut - 2.920 m2
Fill - 19.134 m2

Ch:627+830
GL:123.319
DL:123.563



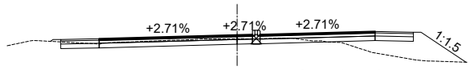
Cut - 3.689 m2
Fill - 15.814 m2

Ch:627+840
GL:123.333
DL:123.579



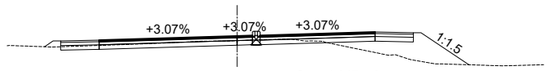
Cut - 4.113 m2
Fill - 9.805 m2

Ch:627+850
GL:123.342
DL:123.594



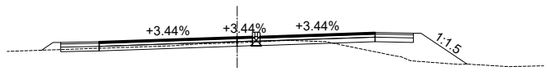
Cut - 5.555 m2
Fill - 10.788 m2

Ch:627+860
GL:123.299
DL:123.610



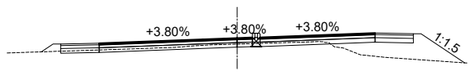
Cut - 4.647 m2
Fill - 7.873 m2

Ch:627+870
GL:123.252
DL:123.625



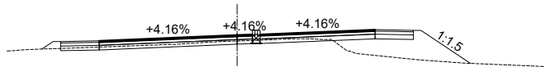
Cut - 3.488 m2
Fill - 7.433 m2

Ch:627+880
GL:123.243
DL:123.641



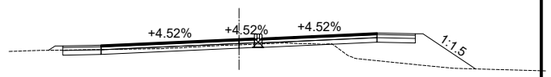
Cut - 3.036 m2
Fill - 7.834 m2

Ch:627+890
GL:123.267
DL:123.656



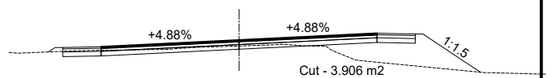
Cut - 3.266 m2
Fill - 9.564 m2

Ch:627+900
GL:123.286
DL:123.672



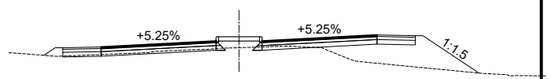
Cut - 3.888 m2
Fill - 10.555 m2

Ch:627+910
GL:123.293
DL:123.687



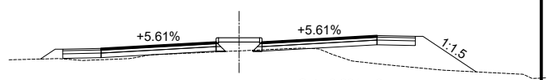
Cut - 3.906 m2
Fill - 11.637 m2

Ch:627+920
GL:123.264
DL:123.702



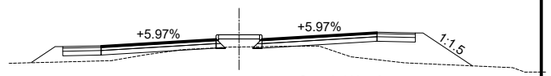
Cut - 1.944 m2
Fill - 13.665 m2

Ch:627+930
GL:123.138
DL:123.718



Cut - 0.291 m2
Fill - 14.620 m2

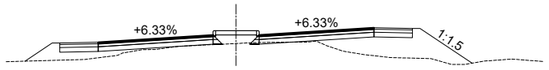
Ch:627+940
GL:123.215
DL:123.733



Cut - 0.413 m2
Fill - 15.849 m2

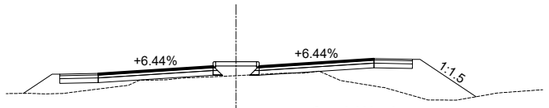
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:627+800 - 627+940	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 256

Ch:627+950
GL:123.188
DL:123.749



Cut - 0.242 m2
Fill - 16.638 m2

Ch:627+960
GL:123.130
DL:123.764



Cut - 0.086 m2
Fill - 19.181 m2

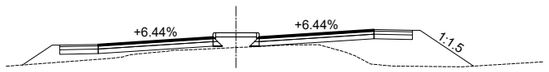
Ch:627+970
GL:123.133
DL:123.780

Cut - 0.073 m2
Fill - 9.470 m2

Ch:627+980
GL:123.142
DL:123.795

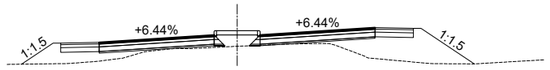
Cut - 0.037 m2
Fill - 14.358 m2

Ch:627+990
GL:123.125
DL:123.811



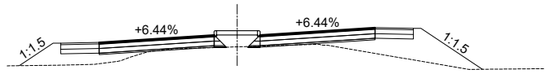
Fill - 19.678 m2

Ch:628+000
GL:123.086
DL:123.826



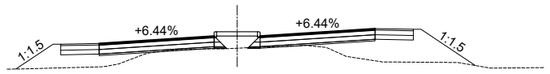
Cut - 0.018 m2
Fill - 19.061 m2

Ch:628+010
GL:123.065
DL:123.841



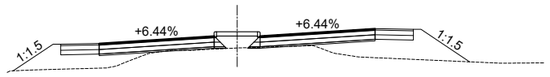
Cut - 0.266 m2
Fill - 18.078 m2

Ch:628+020
GL:123.058
DL:123.857



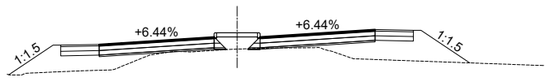
Cut - 0.207 m2
Fill - 20.046 m2

Ch:628+030
GL:123.090
DL:123.872



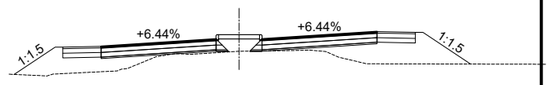
Cut - 0.150 m2
Fill - 19.724 m2

Ch:628+040
GL:123.099
DL:123.888



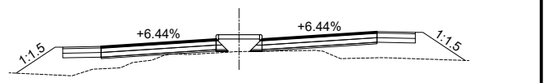
Cut - 0.108 m2
Fill - 21.013 m2

Ch:628+050
GL:123.100
DL:123.903



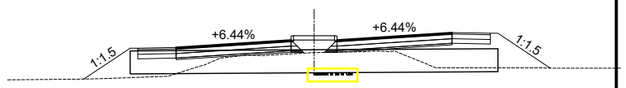
Cut - 0.016 m2
Fill - 22.079 m2

Ch:628+060
GL:123.093
DL:123.915



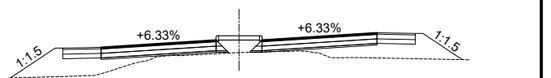
Cut - 0.000 m2
Fill - 19.197 m2

Ch:628+070
GL:123.088
DL:123.916



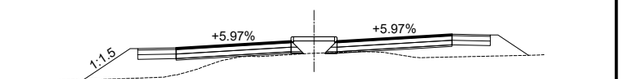
Cut - 0.000 m2
Fill - 24.093 m2

Ch:628+080
GL:123.080
DL:123.905



Cut - 0.019 m2
Fill - 19.265 m2

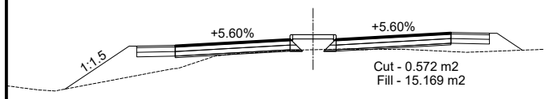
Ch:628+090
GL:123.081
DL:123.882



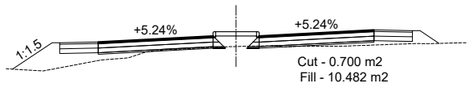
Cut - 0.090 m2
Fill - 17.927 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and GE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:627+950 - 627+090	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 257

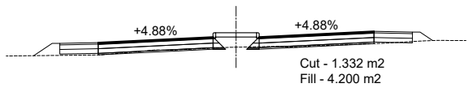
Ch:628+100
GL:123.144
DL:123.847



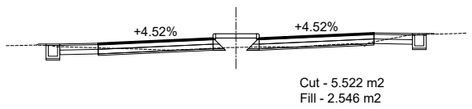
Ch:628+110
GL:123.111
DL:123.800



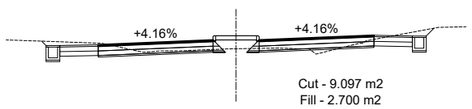
Ch:628+120
GL:123.074
DL:123.742



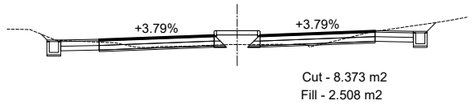
Ch:628+130
GL:123.064
DL:123.680



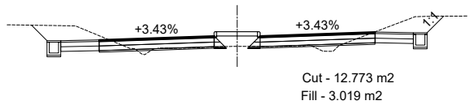
Ch:628+140
GL:123.047
DL:123.618



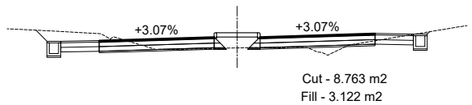
Ch:628+150
GL:122.926
DL:123.556



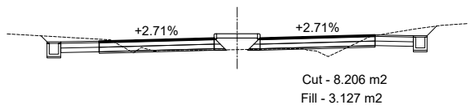
Ch:628+160
GL:122.816
DL:123.494



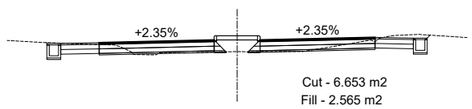
Ch:628+170
GL:122.717
DL:123.432



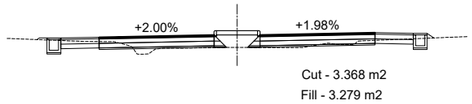
Ch:628+180
GL:122.610
DL:123.370



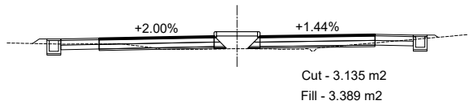
Ch:628+190
GL:122.548
DL:123.308



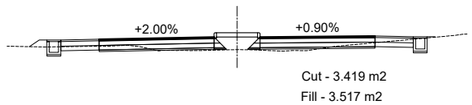
Ch:628+200
GL:122.434
DL:123.246



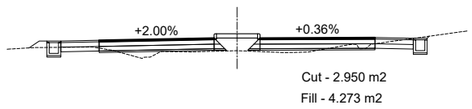
Ch:628+210
GL:122.356
DL:123.184



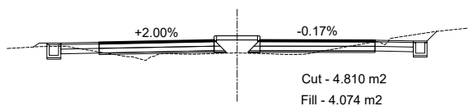
Ch:628+220
GL:122.296
DL:123.122



Ch:628+230
GL:122.231
DL:123.060

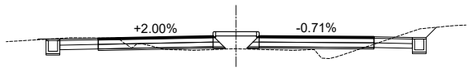


Ch:628+240
GL:122.157
DL:122.998



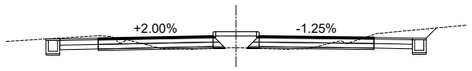
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and GE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:628+100 - 628+240	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 258

Ch:628+250
GL:122.103
DL:122.936



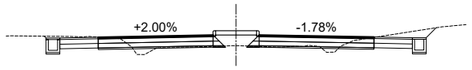
Cut - 6.247 m2
Fill - 4.420 m2

Ch:628+260
GL:122.111
DL:122.874



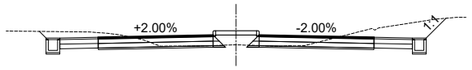
Cut - 9.743 m2
Fill - 2.614 m2

Ch:628+270
GL:122.119
DL:122.812



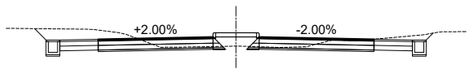
Cut - 8.244 m2
Fill - 3.041 m2

Ch:628+280
GL:122.110
DL:122.750



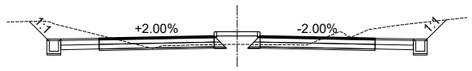
Cut - 16.277 m2
Fill - 2.471 m2

Ch:628+290
GL:122.100
DL:122.688



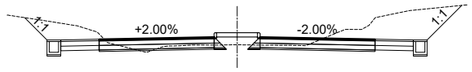
Cut - 15.088 m2
Fill - 2.471 m2

Ch:628+300
GL:122.081
DL:122.626



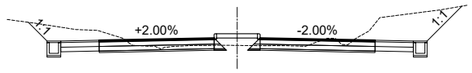
Cut - 18.572 m2
Fill - 2.471 m2

Ch:628+310
GL:122.053
DL:122.565



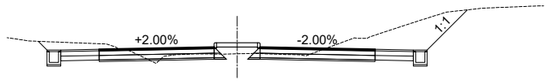
Cut - 24.774 m2
Fill - 2.518 m2

Ch:628+320
GL:122.017
DL:122.503



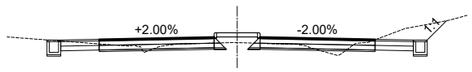
Cut - 24.270 m2
Fill - 2.471 m2

Ch:628+330
GL:121.996
DL:122.441



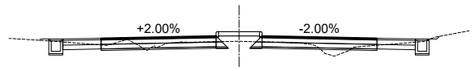
Cut - 23.775 m2
Fill - 2.529 m2

Ch:628+340
GL:122.017
DL:122.379



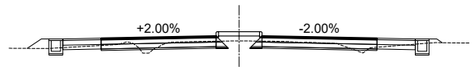
Cut - 11.504 m2
Fill - 2.756 m2

Ch:628+350
GL:121.970
DL:122.317



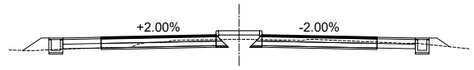
Cut - 7.888 m2
Fill - 3.010 m2

Ch:628+360
GL:121.935
DL:122.255



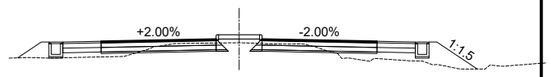
Cut - 7.600 m2
Fill - 3.435 m2

Ch:628+370
GL:121.915
DL:122.193



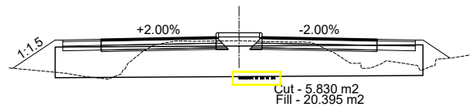
Cut - 8.950 m2
Fill - 3.808 m2

Ch:628+380
GL:121.889
DL:122.132



Cut - 5.821 m2
Fill - 10.194 m2

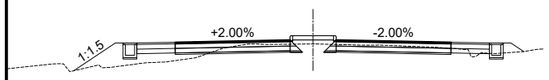
Ch:628+390
GL:121.841
DL:122.087



Cut - 5.830 m2
Fill - 20.395 m2

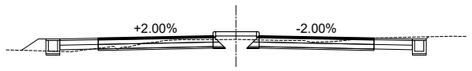
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:628+250 - 628+390	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 259

Ch:628+400
GL:121.797
DL:122.059



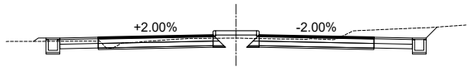
Cut - 7.997 m2
Fill - 8.111 m2

Ch:628+410
GL:121.826
DL:122.050



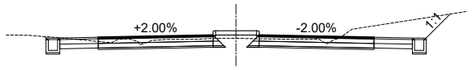
Cut - 11.258 m2
Fill - 3.459 m2

Ch:628+420
GL:121.855
DL:122.059



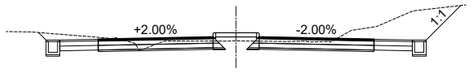
Cut - 16.037 m2
Fill - 2.613 m2

Ch:628+430
GL:121.869
DL:122.087



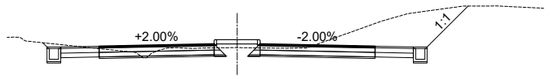
Cut - 19.304 m2
Fill - 2.471 m2

Ch:628+440
GL:121.881
DL:122.132



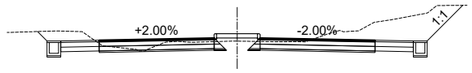
Cut - 23.866 m2
Fill - 2.471 m2

Ch:628+450
GL:121.957
DL:122.195



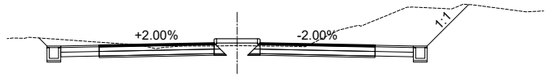
Cut - 26.997 m2
Fill - 2.474 m2

Ch:628+460
GL:122.053
DL:122.261



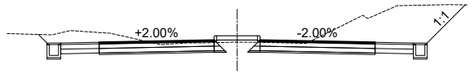
Cut - 25.255 m2
Fill - 2.471 m2

Ch:628+470
GL:122.154
DL:122.326



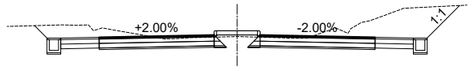
Cut - 32.046 m2
Fill - 2.471 m2

Ch:628+480
GL:122.257
DL:122.392



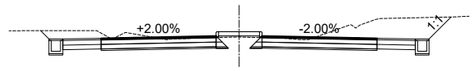
Cut - 34.998 m2
Fill - 2.471 m2

Ch:628+490
GL:122.357
DL:122.458



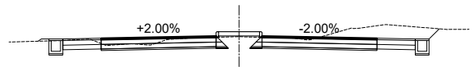
Cut - 30.819 m2
Fill - 2.471 m2

Ch:628+500
GL:122.454
DL:122.524



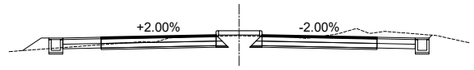
Cut - 27.277 m2
Fill - 2.471 m2

Ch:628+510
GL:122.544
DL:122.590



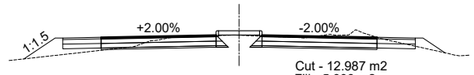
Cut - 19.711 m2
Fill - 2.549 m2

Ch:628+520
GL:122.607
DL:122.656



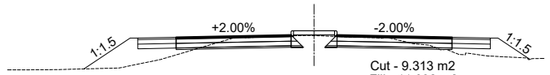
Cut - 16.037 m2
Fill - 3.272 m2

Ch:628+530
GL:122.706
DL:122.722



Cut - 12.987 m2
Fill - 5.606 m2

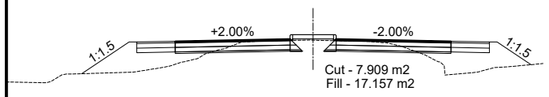
Ch:628+540
GL:122.753
DL:122.790



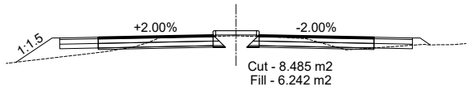
Cut - 9.313 m2
Fill - 11.092 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:628+400 - 628+540	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 260

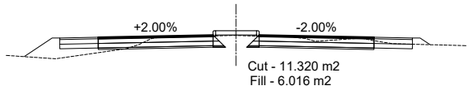
Ch:628+550
GL:122.791
DL:122.869



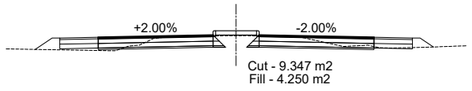
Ch:628+560
GL:122.900
DL:122.958



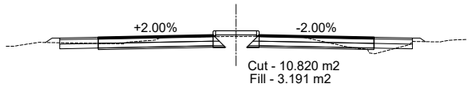
Ch:628+570
GL:123.028
DL:123.057



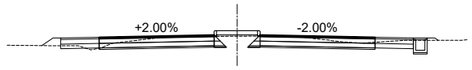
Ch:628+580
GL:123.119
DL:123.164



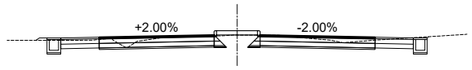
Ch:628+590
GL:123.174
DL:123.271



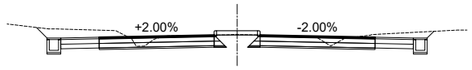
Ch:628+600
GL:123.292
DL:123.378



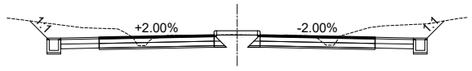
Ch:628+610
GL:123.479
DL:123.485



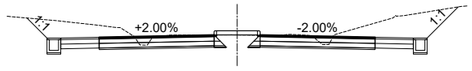
Ch:628+620
GL:123.623
DL:123.592



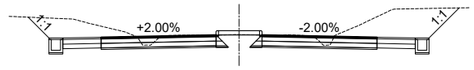
Ch:628+630
GL:123.716
DL:123.699



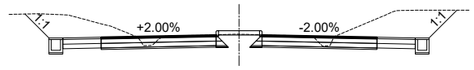
Ch:628+640
GL:123.809
DL:123.806



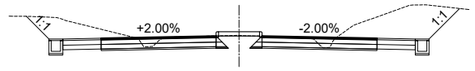
Ch:628+650
GL:123.927
DL:123.908



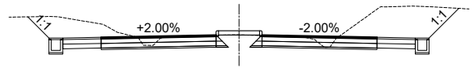
Ch:628+660
GL:124.047
DL:124.000



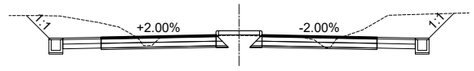
Ch:628+670
GL:124.116
DL:124.083



Ch:628+680
GL:124.168
DL:124.157

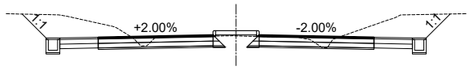


Ch:628+690
GL:124.198
DL:124.222



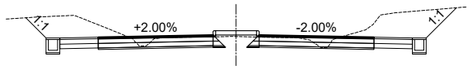
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:628+590 - 628+690	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 261

Ch:628+700
GL:124.215
DL:124.277



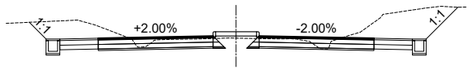
Cut - 28.940 m2
Fill - 2.471 m2

Ch:628+710
GL:124.221
DL:124.322



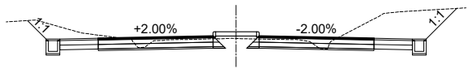
Cut - 29.138 m2
Fill - 2.471 m2

Ch:628+720
GL:124.220
DL:124.359



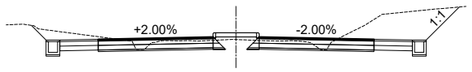
Cut - 28.610 m2
Fill - 2.471 m2

Ch:628+730
GL:124.224
DL:124.386



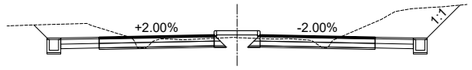
Cut - 26.284 m2
Fill - 2.471 m2

Ch:628+740
GL:124.243
DL:124.408



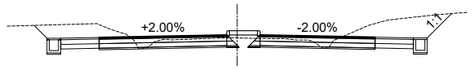
Cut - 25.419 m2
Fill - 2.471 m2

Ch:628+750
GL:124.257
DL:124.431



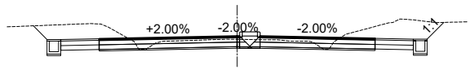
Cut - 26.623 m2
Fill - 2.471 m2

Ch:628+760
GL:124.265
DL:124.454



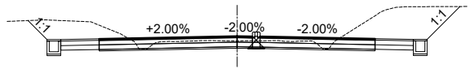
Cut - 24.416 m2
Fill - 1.584 m2

Ch:628+770
GL:124.257
DL:124.476



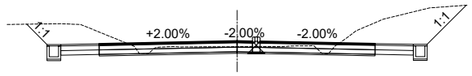
Cut - 23.778 m2
Fill - 0.697 m2

Ch:628+780
GL:124.185
DL:124.499



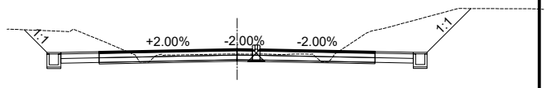
Cut - 29.822 m2
Fill - 0.086 m2

Ch:628+790
GL:124.150
DL:124.521



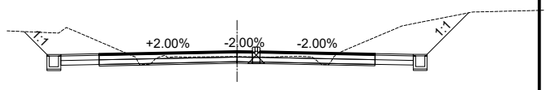
Cut - 29.959 m2
Fill - 0.086 m2

Ch:628+800
GL:124.213
DL:124.544



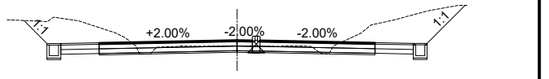
Cut - 30.637 m2
Fill - 0.086 m2

Ch:628+810
GL:124.199
DL:124.567



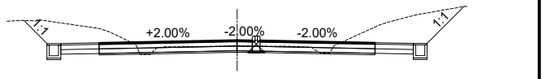
Cut - 29.051 m2
Fill - 0.086 m2

Ch:628+820
GL:124.207
DL:124.589



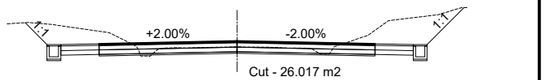
Cut - 28.998 m2
Fill - 0.088 m2

Ch:628+830
GL:124.226
DL:124.612



Cut - 27.252 m2
Fill - 0.106 m2

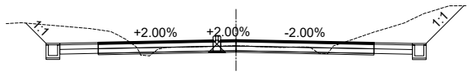
Ch:628+840
GL:124.248
DL:124.635



Cut - 26.017 m2
Fill - 0.039 m2

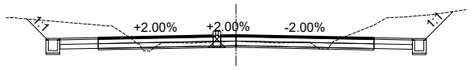
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TSE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:628+700 - 628+840	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 262

Ch:628+850
GL:124.271
DL:124.657



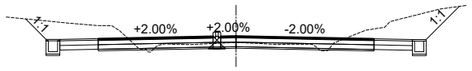
Cut - 24.900 m2
Fill - 0.158 m2

Ch:628+860
GL:124.277
DL:124.680



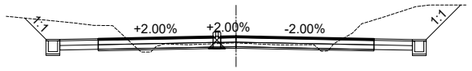
Cut - 23.219 m2
Fill - 0.167 m2

Ch:628+870
GL:124.279
DL:124.702



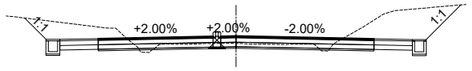
Cut - 23.331 m2
Fill - 0.153 m2

Ch:628+880
GL:124.277
DL:124.725



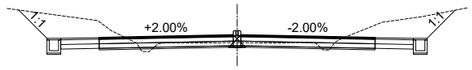
Cut - 26.235 m2
Fill - 0.228 m2

Ch:628+890
GL:124.271
DL:124.748



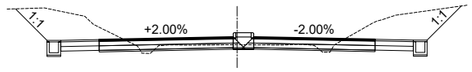
Cut - 25.797 m2
Fill - 0.222 m2

Ch:628+900
GL:124.272
DL:124.770



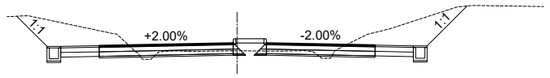
Cut - 24.062 m2
Fill - 0.225 m2

Ch:628+910
GL:124.292
DL:124.793



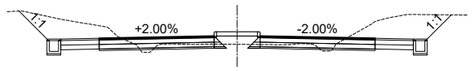
Cut - 27.800 m2
Fill - 0.993 m2

Ch:628+920
GL:124.307
DL:124.816



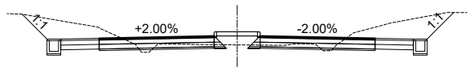
Cut - 26.339 m2
Fill - 1.916 m2

Ch:628+930
GL:124.294
DL:124.838



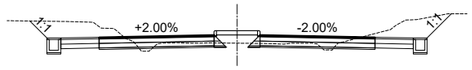
Cut - 23.296 m2
Fill - 2.653 m2

Ch:628+940
GL:124.282
DL:124.861



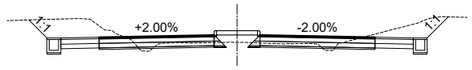
Cut - 21.110 m2
Fill - 2.629 m2

Ch:628+950
GL:124.346
DL:124.883



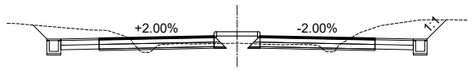
Cut - 18.957 m2
Fill - 2.641 m2

Ch:628+960
GL:124.423
DL:124.906



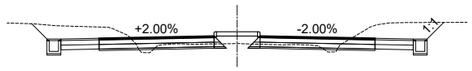
Cut - 18.698 m2
Fill - 2.662 m2

Ch:628+970
GL:124.456
DL:124.929



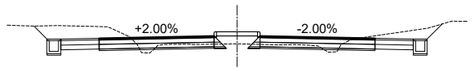
Cut - 18.497 m2
Fill - 2.690 m2

Ch:628+980
GL:124.457
DL:124.951



Cut - 19.140 m2
Fill - 2.714 m2

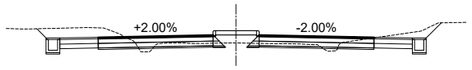
Ch:628+990
GL:124.465
DL:124.974



Cut - 16.074 m2
Fill - 2.730 m2

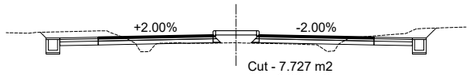
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TSE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:628+850 - 628+990	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 263

Ch:629+000
GL:124.479
DL:124.996



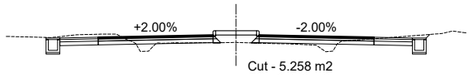
Cut - 13.767 m2
Fill - 2.747 m2

Ch:629+010
GL:124.509
DL:125.019



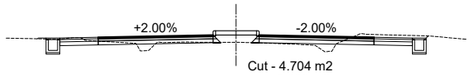
Cut - 7.727 m2
Fill - 3.204 m2

Ch:629+020
GL:124.555
DL:125.042



Cut - 5.258 m2
Fill - 3.078 m2

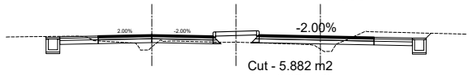
Ch:629+030
GL:124.591
DL:125.064



Cut - 4.704 m2
Fill - 3.036 m2

Ch:629+040
GL:124.614
DL:125.087

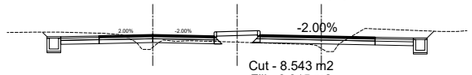
GL: 124.309 GL: 124.165
DL: 125.094 DL: 125.039



Cut - 5.882 m2
Fill - 2.971 m2

Ch:629+050
GL:124.645
DL:125.110

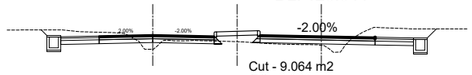
GL: 124.302 GL: 124.230
DL: 125.115 DL: 125.041



Cut - 8.543 m2
Fill - 3.015 m2

Ch:629+060
GL:124.692
DL:125.132

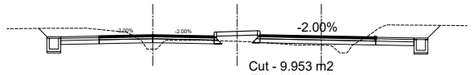
GL: 124.198 GL: 124.457
DL: 125.135 DL: 125.044



Cut - 9.064 m2
Fill - 3.191 m2

Ch:629+070
GL:124.739
DL:125.155

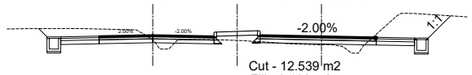
GL: 124.233 GL: 124.490
DL: 125.156 DL: 125.047



Cut - 9.953 m2
Fill - 3.286 m2

Ch:629+080
GL:124.824
DL:125.177

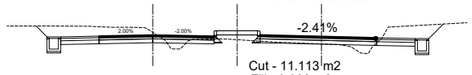
GL: 124.865 GL: 124.546
DL: 125.177 DL: 125.049



Cut - 12.539 m2
Fill - 3.196 m2

Ch:629+090
GL:124.893
DL:125.200

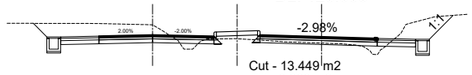
GL: 125.375 GL: 124.618
DL: 125.197 DL: 125.052



Cut - 11.113 m2
Fill - 3.028 m2

Ch:629+100
GL:124.976
DL:125.223

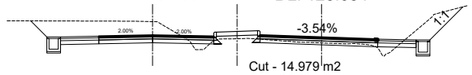
GL: 125.877 GL: 124.693
DL: 125.218 DL: 125.055



Cut - 13.449 m2
Fill - 2.883 m2

Ch:629+110
GL:124.996
DL:125.244

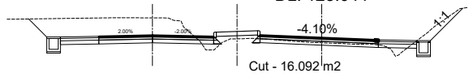
GL: 126.113 GL: 124.727
DL: 125.235 DL: 125.054



Cut - 14.979 m2
Fill - 2.832 m2

Ch:629+120
GL:125.002
DL:125.254

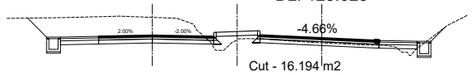
GL: 126.369 GL: 124.744
DL: 125.241 DL: 125.044



Cut - 16.092 m2
Fill - 2.763 m2

Ch:629+130
GL:124.941
DL:125.252

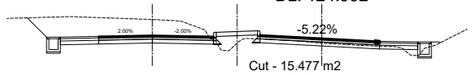
GL: 126.402 GL: 124.741
DL: 125.235 DL: 125.023



Cut - 16.194 m2
Fill - 2.704 m2

Ch:629+140
GL:124.710
DL:125.239

GL: 126.246 GL: 124.703
DL: 125.218 DL: 124.992



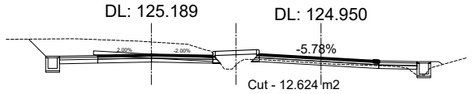
Cut - 15.477 m2
Fill - 2.802 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:629+000 - 629+140	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 264
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

Ch:629+150
GL:124.485
DL:125.213

GL: 125.993
DL: 125.189

GL: 124.600
DL: 124.950

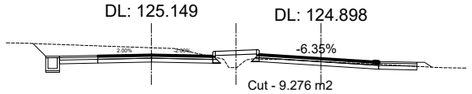


Cut - 12.624 m2
Fill - 2.726 m2

Ch:629+160
GL:124.288
DL:125.176

GL: 125.579
DL: 125.149

GL: 124.681
DL: 124.898

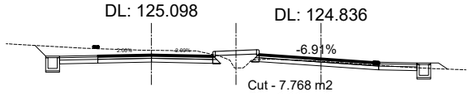


Cut - 9.276 m2
Fill - 2.510 m2

Ch:629+170
GL:124.214
DL:125.126

GL: 125.364
DL: 125.098

GL: 124.651
DL: 124.836

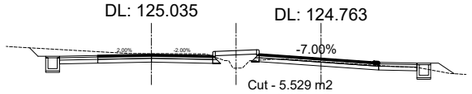


Cut - 7.768 m2
Fill - 2.637 m2

Ch:629+180
GL:124.142
DL:125.064

GL: 125.088
DL: 125.035

GL: 124.562
DL: 124.763

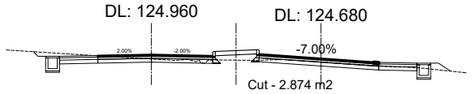


Cut - 5.529 m2
Fill - 2.959 m2

Ch:629+190
GL:124.591
DL:124.991

GL: 124.664
DL: 124.960

GL: 124.473
DL: 124.680

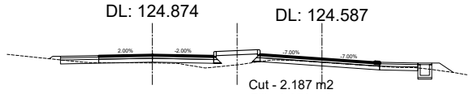


Cut - 2.874 m2
Fill - 3.475 m2

Ch:629+200
GL:124.195
DL:124.905

GL: 124.323
DL: 124.874

GL: 124.357
DL: 124.587

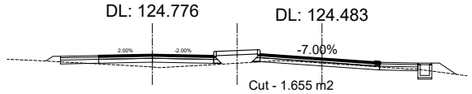


Cut - 2.187 m2
Fill - 8.370 m2

Ch:629+210
GL:124.203
DL:124.808

GL: 123.955
DL: 124.776

GL: 124.214
DL: 124.483

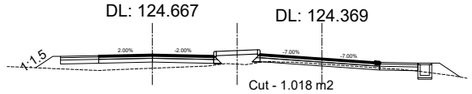


Cut - 1.655 m2
Fill - 9.740 m2

Ch:629+220
GL:124.036
DL:124.698

GL: 123.769
DL: 124.667

GL: 124.041
DL: 124.369

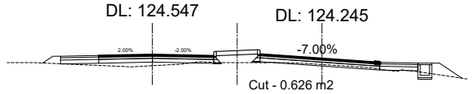


Cut - 1.018 m2
Fill - 13.414 m2

Ch:629+230
GL:124.014
DL:124.577

GL: 123.812
DL: 124.547

GL: 123.892
DL: 124.245

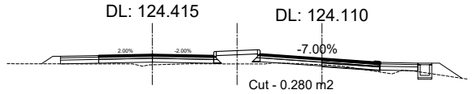


Cut - 0.626 m2
Fill - 10.093 m2

Ch:629+240
GL:123.799
DL:124.444

GL: 123.740
DL: 124.415

GL: 123.738
DL: 124.110

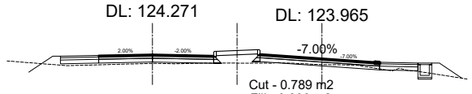


Cut - 0.280 m2
Fill - 10.378 m2

Ch:629+250
GL:123.700
DL:124.298

GL: 123.681
DL: 124.271

GL: 123.607
DL: 123.965

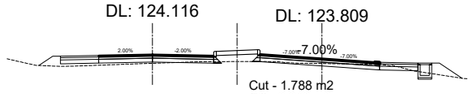


Cut - 0.789 m2
Fill - 9.896 m2

Ch:629+260
GL:123.646
DL:124.141

GL: 123.531
DL: 124.116

GL: 123.517
DL: 123.809

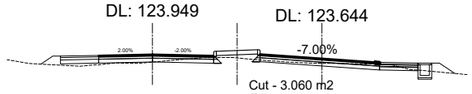


Cut - 1.788 m2
Fill - 9.612 m2

Ch:629+270
GL:123.713
DL:123.972

GL: 123.443
DL: 123.949

GL: 123.365
DL: 123.644

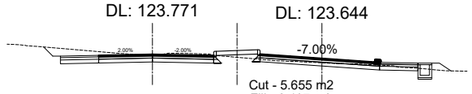


Cut - 3.060 m2
Fill - 8.341 m2

Ch:629+280
GL:123.576
DL:123.790

GL: 123.696
DL: 123.771

GL: 123.214
DL: 123.644

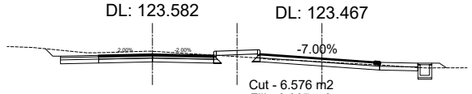


Cut - 5.655 m2
Fill - 2.407 m2

Ch:629+290
GL:123.428
DL:123.599

GL: 123.776
DL: 123.582

GL: 123.092
DL: 123.467

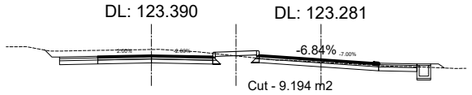


Cut - 6.576 m2
Fill - 2.307 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:629+150 - 629+290	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 265
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

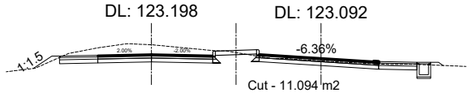
Ch:629+300
GL:123.342
DL:123.406

GL: 123.760 DL: 123.390 | GL: 122.937 DL: 123.281



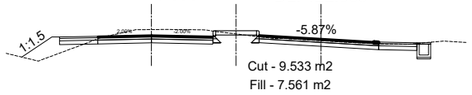
Ch:629+310
GL:123.302
DL:123.213

GL: 123.814 DL: 123.198 | GL: 122.762 DL: 123.092



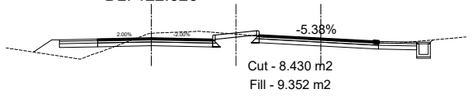
Ch:629+320
GL:123.086
DL:123.020

GL: 123.371 DL: 123.006 | GL: 122.646 DL: 122.903



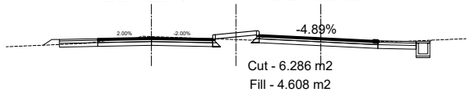
Ch:629+330
GL:122.882
DL:122.827

GL: 122.930 DL: 122.626 | GL: 122.497 DL: 122.714



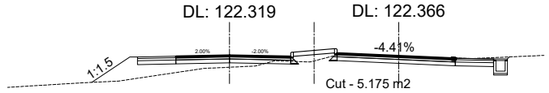
Ch:629+340
GL:122.332
DL:122.634

GL: 122.532 DL: 122.461 | GL: 122.357 DL: 122.528



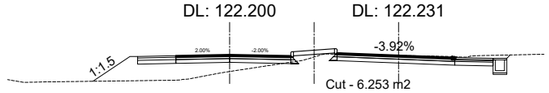
Ch:629+350
GL:121.939
DL:122.461

GL: 121.529 DL: 122.319 | GL: 122.231 DL: 122.366



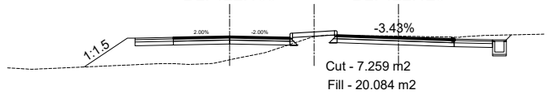
Ch:629+360
GL:122.050
DL:122.313

GL: 121.103 DL: 122.200 | GL: 122.149 DL: 122.231



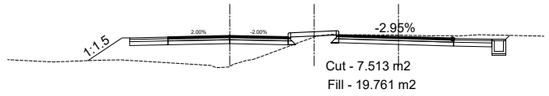
Ch:629+370
GL:122.081
DL:122.190

GL: 120.571 DL: 122.106 | GL: 122.115 DL: 122.123



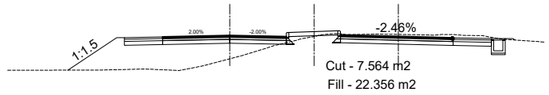
Ch:629+380
GL:121.969
DL:122.094

GL: 120.037 DL: 122.036 | GL: 122.085 DL: 122.042



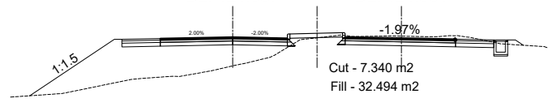
Ch:629+390
GL:121.921
DL:122.023

GL: 120.471 DL: 121.989 | GL: 122.062 DL: 121.988

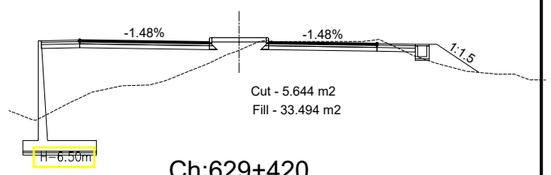


Ch:629+400
GL:121.918
DL:121.978

GL: 120.091 DL: 121.967 | GL: 122.030 DL: 121.961

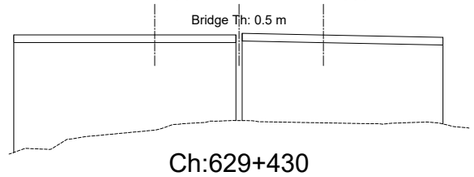


Ch:629+410
GL:121.419
DL:121.959



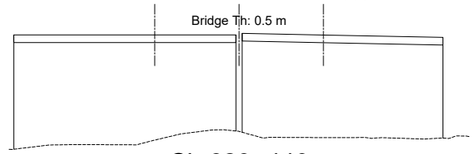
Ch:629+420
GL:116.377
DL:121.958

GL: 115.755 DL: 121.962 | GL: 116.227 DL: 121.958



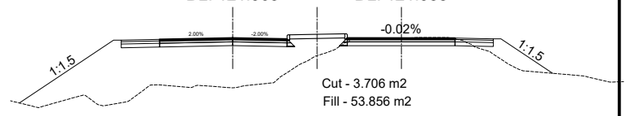
Ch:629+430
GL:115.670
DL:121.958

GL: 115.102 DL: 121.961 | GL: 115.267 DL: 121.958



Ch:629+440
GL:120.812
DL:121.959

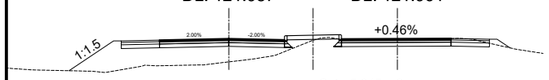
GL: 118.711 DL: 121.963 | GL: 121.947 DL: 121.958



Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:629+300 - 629+440	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 266

Ch:629+450
GL:121.887
DL:121.974

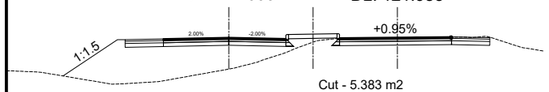
GL: 120.479 DL: 121.987 | GL: 121.982 DL: 121.961



Cut - 5.645 m2
Fill - 18.163 m2

Ch:629+460
GL:121.737
DL:122.011

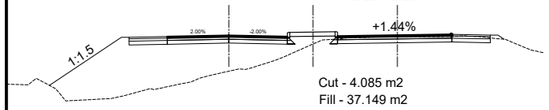
GL: 119.982 DL: 122.035 | GL: 122.006 DL: 121.985



Cut - 5.383 m2
Fill - 26.827 m2

Ch:629+470
GL:121.548
DL:122.069

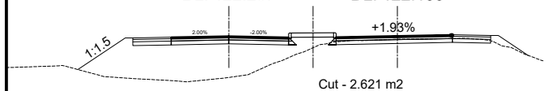
GL: 119.771 DL: 122.109 | GL: 122.012 DL: 122.034



Cut - 4.085 m2
Fill - 37.149 m2

Ch:629+480
GL:121.449
DL:122.148

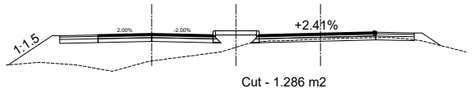
GL: 119.507 DL: 122.207 | GL: 122.002 DL: 122.106



Cut - 2.621 m2
Fill - 28.421 m2

Ch:629+490
GL:121.450
DL:122.248

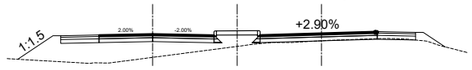
GL: 120.557 DL: 122.326 | GL: 121.979 DL: 122.203



Cut - 1.286 m2
Fill - 18.154 m2

Ch:629+500
GL:121.615
DL:122.362

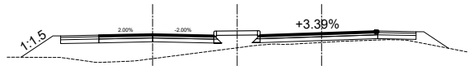
GL: 120.899 DL: 122.430 | GL: 121.980 DL: 122.324



Cut - 0.201 m2
Fill - 14.541 m2

Ch:629+510
GL:121.619
DL:122.458

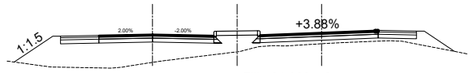
GL: 120.913 DL: 122.513 | GL: 121.969 DL: 122.463



Fill - 15.320 m2

Ch:629+520
GL:121.433
DL:122.532

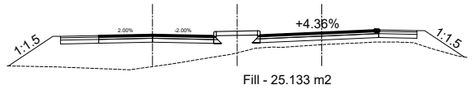
GL: 120.745 DL: 122.576 | GL: 121.962 DL: 122.586



Fill - 21.930 m2

Ch:629+530
GL:121.422
DL:122.585

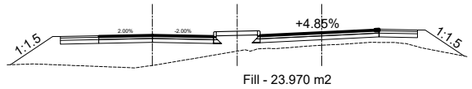
GL: 120.522 DL: 122.618 | GL: 121.951 DL: 122.685



Fill - 25.133 m2

Ch:629+540
GL:121.563
DL:122.617

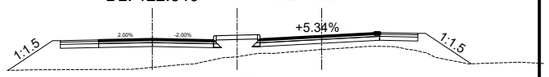
GL: 120.632 DL: 122.639 | GL: 121.951 DL: 122.761



Fill - 23.970 m2

Ch:629+550
GL:121.463
DL:122.628

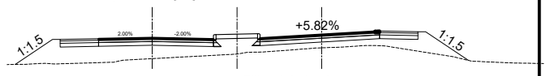
GL: 120.773 DL: 122.640 | GL: 121.941 DL: 122.814



Fill - 24.823 m2

Ch:629+560
GL:121.570
DL:122.617

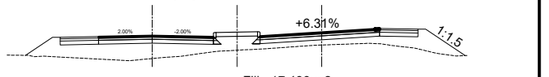
GL: 121.269 DL: 122.640 | GL: 121.974 DL: 122.844



Fill - 18.858 m2

Ch:629+570
GL:121.656
DL:122.585

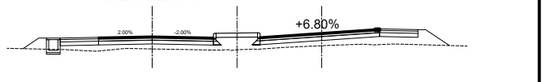
GL: 121.113 DL: 122.620 | GL: 121.995 DL: 122.850



Fill - 17.436 m2

Ch:629+580
GL:121.700
DL:122.532

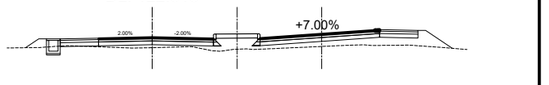
GL: 121.754 DL: 122.579 | GL: 121.962 DL: 122.833



Cut - 0.852 m2
Fill - 9.049 m2

Ch:629+590
GL:121.723
DL:122.457

GL: 121.828 DL: 122.518 | GL: 121.906 DL: 122.792

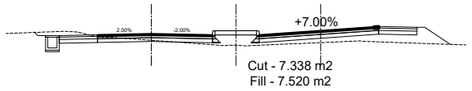


Cut - 2.735 m2
Fill - 8.298 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:629+450 - 629+590	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 267

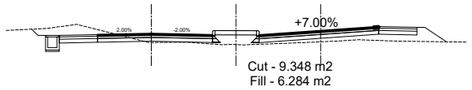
Ch:629+600
GL:121.688
DL:122.361

GL: 122.012 DL: 122.436 | GL: 121.860 DL: 122.729



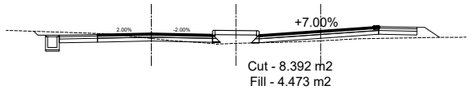
Ch:629+610
GL:121.620
DL:122.244

GL: 121.752 DL: 122.333 | GL: 121.797 DL: 122.642



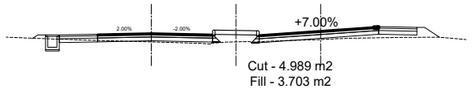
Ch:629+620
GL:121.562
DL:122.105

GL: 121.878 DL: 122.210 | GL: 121.727 DL: 122.398



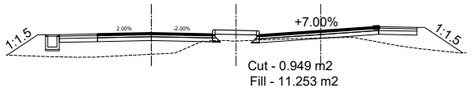
Ch:629+630
GL:121.497
DL:121.945

GL: 121.494 DL: 122.066 | GL: 121.651 DL: 122.242



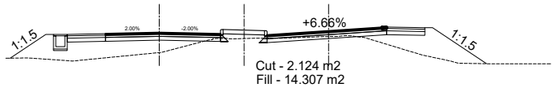
Ch:629+640
GL:121.367
DL:121.763

GL: 120.508 DL: 121.901 | GL: 121.570 DL: 122.062



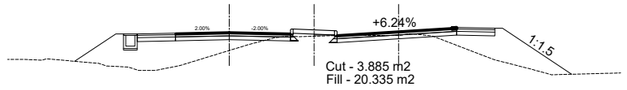
Ch:629+650
GL:121.329
DL:121.563

GL: 120.412 DL: 121.719 | GL: 121.458 DL: 121.863



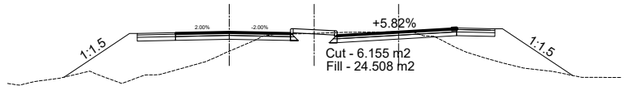
Ch:629+660
GL:121.276
DL:121.358

GL: 120.344 DL: 121.548 | GL: 121.336 DL: 121.685



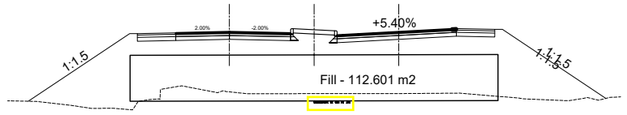
Ch:629+670
GL:121.284
DL:121.179

GL: 120.122 DL: 121.398 | GL: 121.368 DL: 121.534



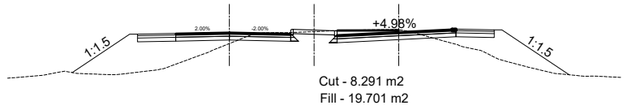
Ch:629+680
GL:117.231
DL:121.057

GL: 117.349 DL: 121.270 | GL: 117.236 DL: 121.413



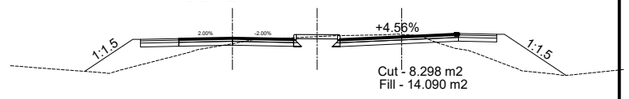
Ch:629+690
GL:121.210
DL:120.992

GL: 120.434 DL: 121.164 | GL: 121.337 DL: 121.319



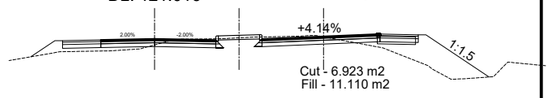
Ch:629+700
GL:121.135
DL:120.984

GL: 120.673 DL: 121.079 | GL: 121.264 DL: 121.254



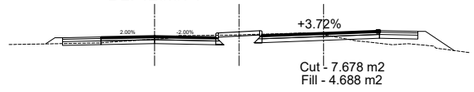
Ch:629+710
GL:121.082
DL:121.009

GL: 120.619 DL: 121.016 | GL: 121.148 DL: 121.218



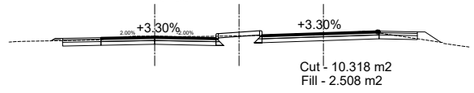
Ch:629+720
GL:121.040
DL:121.034

GL: 120.760 DL: 120.974 | GL: 121.052 DL: 121.208



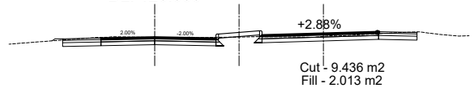
Ch:629+730
GL:121.004
DL:121.060

GL: 120.983 DL: 120.954 | GL: 121.107 DL: 121.203



Ch:629+740
GL:120.952
DL:121.085

GL: 120.927 DL: 120.955 | GL: 120.993 DL: 121.199

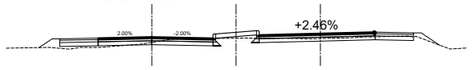


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:629+600 - 629+740	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 268

Ch:629+750
GL:120.899
DL:121.110

GL: 120.625
DL: 120.978

GL: 120.877
DL: 121.194

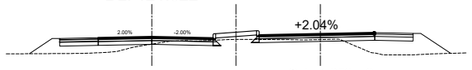


Cut - 4.049 m2
Fill - 5.470 m2

Ch:629+760
GL:120.844
DL:121.135

GL: 120.537
DL: 121.022

GL: 120.836
DL: 121.189

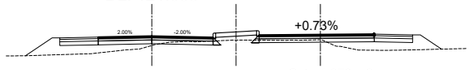


Cut - 1.856 m2
Fill - 10.854 m2

Ch:629+770
GL:120.826
DL:121.160

GL: 120.472
DL: 121.088

GL: 120.849
DL: 121.185



Cut - 1.379 m2
Fill - 9.832 m2

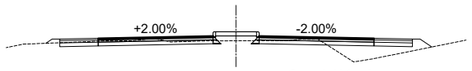
Ch:629+780
GL:120.855
DL:121.186

GL: 120.550
DL: 121.193

GL: 120.951
DL: 121.181

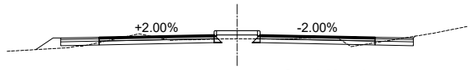
Cut - 3.242 m2
Fill - 4.891 m2

Ch:629+790
GL:120.900
DL:121.211



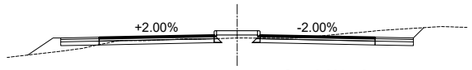
Cut - 4.431 m2
Fill - 6.308 m2

Ch:629+800
GL:120.983
DL:121.236



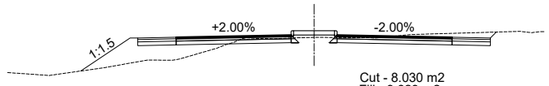
Cut - 6.227 m2
Fill - 2.927 m2

Ch:629+810
GL:121.061
DL:121.261



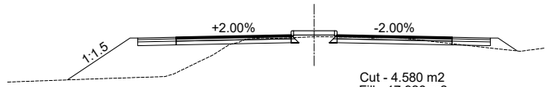
Cut - 9.331 m2
Fill - 3.667 m2

Ch:629+820
GL:121.130
DL:121.286



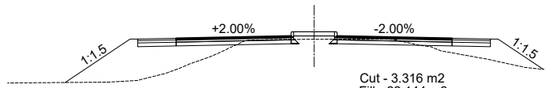
Cut - 8.030 m2
Fill - 9.629 m2

Ch:629+830
GL:121.199
DL:121.312



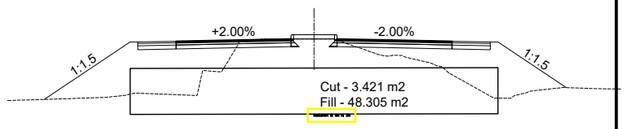
Cut - 4.580 m2
Fill - 17.928 m2

Ch:629+840
GL:121.125
DL:121.340



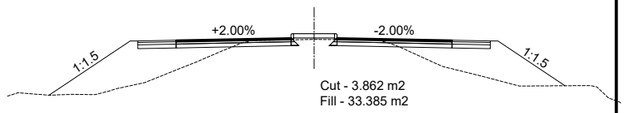
Cut - 3.316 m2
Fill - 22.144 m2

Ch:629+850
GL:121.379
DL:121.382



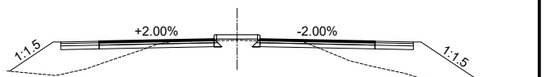
Cut - 3.421 m2
Fill - 48.305 m2

Ch:629+860
GL:121.338
DL:121.436



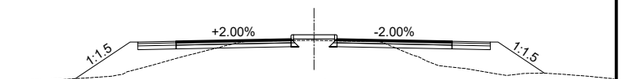
Cut - 3.862 m2
Fill - 33.385 m2

Ch:629+870
GL:121.414
DL:121.503



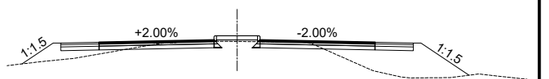
Cut - 3.944 m2
Fill - 23.215 m2

Ch:629+880
GL:121.488
DL:121.580



Cut - 4.069 m2
Fill - 19.922 m2

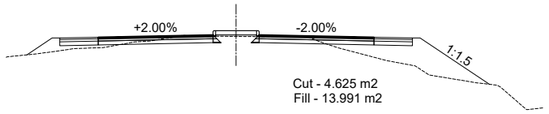
Ch:629+890
GL:121.560
DL:121.657



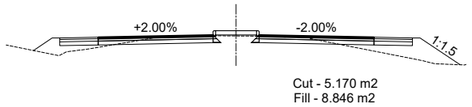
Cut - 4.517 m2
Fill - 16.243 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:629+750 - 629+890	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 269

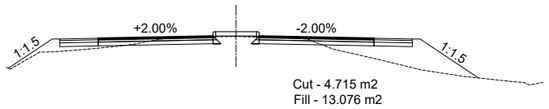
Ch:629+900
GL:121.638
DL:121.734



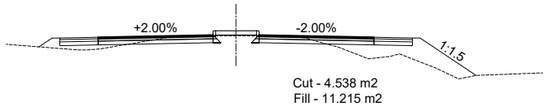
Ch:629+910
GL:121.746
DL:121.811



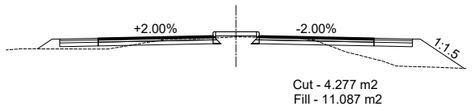
Ch:629+920
GL:121.851
DL:121.888



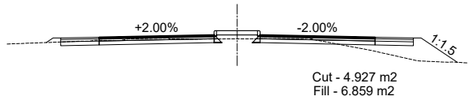
Ch:629+930
GL:121.916
DL:121.965



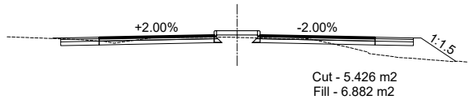
Ch:629+940
GL:121.979
DL:122.042



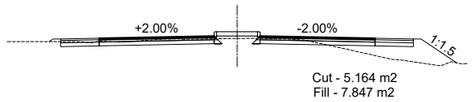
Ch:629+950
GL:121.863
DL:122.119



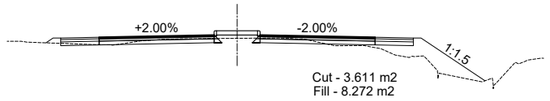
Ch:629+960
GL:122.035
DL:122.196



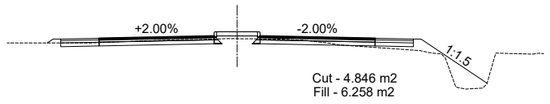
Ch:629+970
GL:122.109
DL:122.273



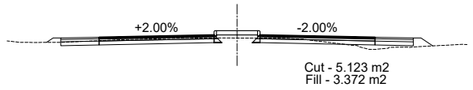
Ch:629+980
GL:122.131
DL:122.349



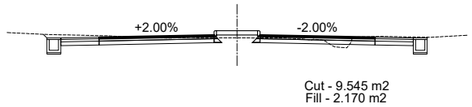
Ch:629+990
GL:122.249
DL:122.426



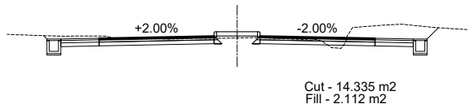
Ch:630+000
GL:122.302
DL:122.503



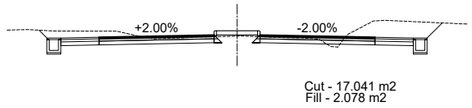
Ch:630+010
GL:122.392
DL:122.580



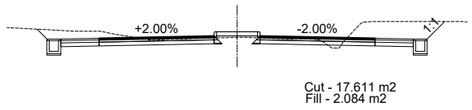
Ch:630+020
GL:122.528
DL:122.657



Ch:630+030
GL:122.656
DL:122.734

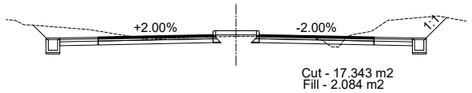


Ch:630+040
GL:122.717
DL:122.811

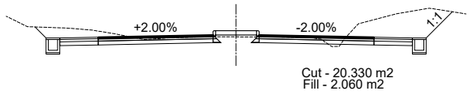


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:629+900 - 630+040	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 270

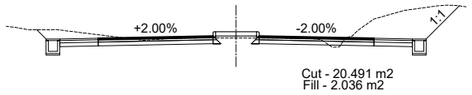
Ch:630+050
GL:122.787
DL:122.888



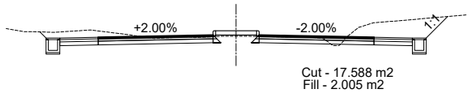
Ch:630+060
GL:122.841
DL:122.965



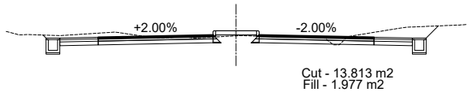
Ch:630+070
GL:122.910
DL:123.042



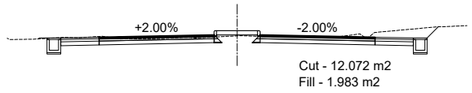
Ch:630+080
GL:123.038
DL:123.119



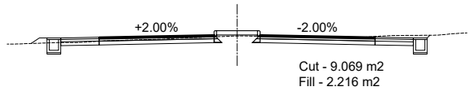
Ch:630+090
GL:123.140
DL:123.196



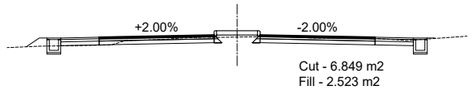
Ch:630+100
GL:123.212
DL:123.273



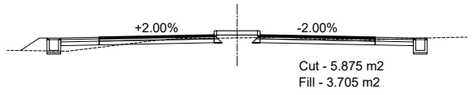
Ch:630+110
GL:123.281
DL:123.350



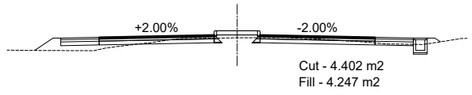
Ch:630+120
GL:123.291
DL:123.427



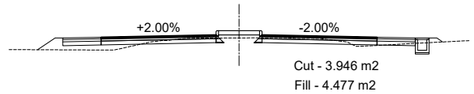
Ch:630+130
GL:123.314
DL:123.504



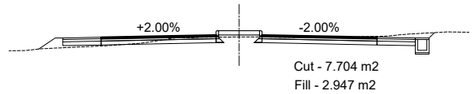
Ch:630+140
GL:123.398
DL:123.581



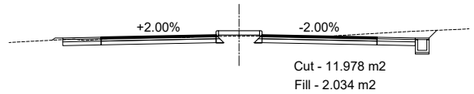
Ch:630+150
GL:123.463
DL:123.658



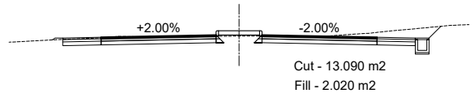
Ch:630+160
GL:123.600
DL:123.730



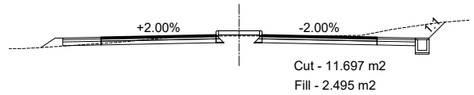
Ch:630+170
GL:123.716
DL:123.793



Ch:630+180
GL:123.771
DL:123.846

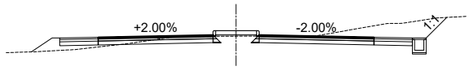


Ch:630+190
GL:123.822
DL:123.889



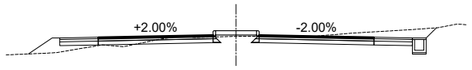
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:630+050 - 630+190	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 271

Ch:630+200
GL:123.840
DL:123.921



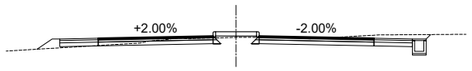
Cut - 13.386 m2
Fill - 3.636 m2

Ch:630+210
GL:123.851
DL:123.944



Cut - 10.085 m2
Fill - 3.935 m2

Ch:630+220
GL:123.866
DL:123.957

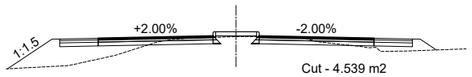


Cut - 8.792 m2
Fill - 2.624 m2

Ch:630+230
GL:123.881
DL:123.960

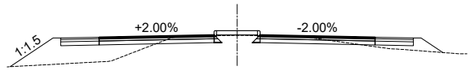
Cut - 7.524 m2
Fill - 5.081 m2

Ch:630+240
GL:123.916
DL:123.957



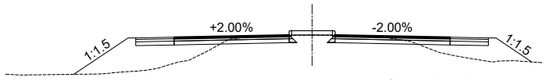
Cut - 4.539 m2
Fill - 11.280 m2

Ch:630+250
GL:123.931
DL:123.955



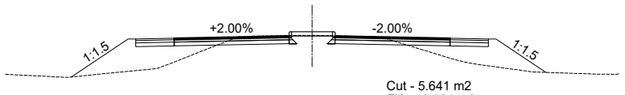
Cut - 4.909 m2
Fill - 12.130 m2

Ch:630+260
GL:123.937
DL:123.952



Cut - 5.277 m2
Fill - 18.232 m2

Ch:630+270
GL:123.991
DL:123.950

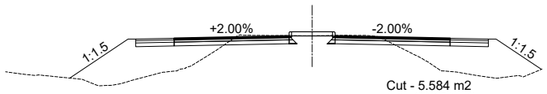


Cut - 5.641 m2
Fill - 19.594 m2

Ch:630+280
GL:124.049
DL:123.963

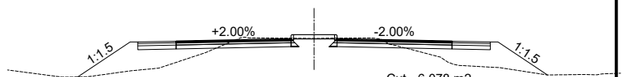
Cut - 6.049 m2
Fill - 19.827 m2

Ch:630+290
GL:124.012
DL:124.001



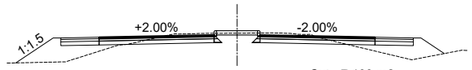
Cut - 5.584 m2
Fill - 30.154 m2

Ch:630+300
GL:124.095
DL:124.061



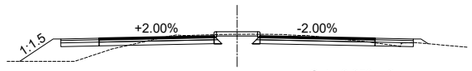
Cut - 6.078 m2
Fill - 17.818 m2

Ch:630+310
GL:124.262
DL:124.146



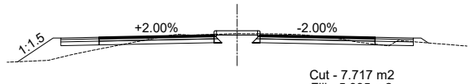
Cut - 7.100 m2
Fill - 10.592 m2

Ch:630+320
GL:124.359
DL:124.252



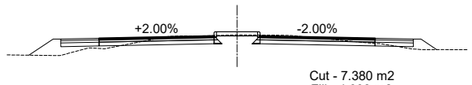
Cut - 8.259 m2
Fill - 6.888 m2

Ch:630+330
GL:124.454
DL:124.366



Cut - 7.717 m2
Fill - 5.935 m2

Ch:630+340
GL:124.542
DL:124.470



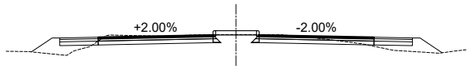
Cut - 7.380 m2
Fill - 4.998 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:630+200 - 630+340	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 272

Ch:630+350
GL:124.625
DL:124.563

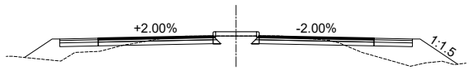
Cut - 9.631 m2
Fill - 3.614 m2

Ch:630+360
GL:124.667
DL:124.644



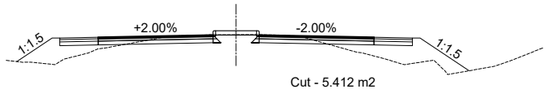
Cut - 8.070 m2
Fill - 5.803 m2

Ch:630+370
GL:124.711
DL:124.712



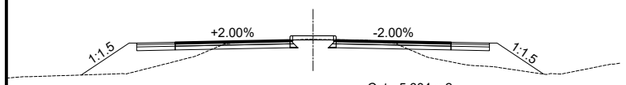
Cut - 5.917 m2
Fill - 11.188 m2

Ch:630+380
GL:124.787
DL:124.770



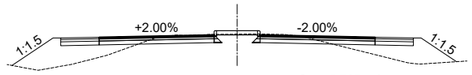
Cut - 5.412 m2
Fill - 13.894 m2

Ch:630+390
GL:124.856
DL:124.815



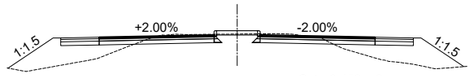
Cut - 5.604 m2
Fill - 16.448 m2

Ch:630+400
GL:124.896
DL:124.848



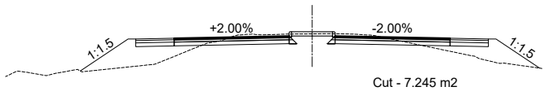
Cut - 5.737 m2
Fill - 15.613 m2

Ch:630+410
GL:124.928
DL:124.870



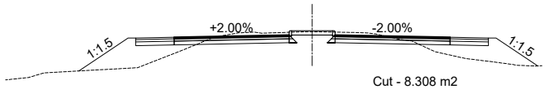
Cut - 6.453 m2
Fill - 17.235 m2

Ch:630+420
GL:125.020
DL:124.881



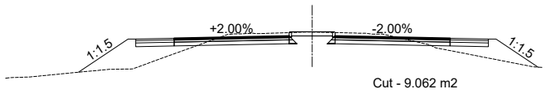
Cut - 7.245 m2
Fill - 13.827 m2

Ch:630+430
GL:125.101
DL:124.888



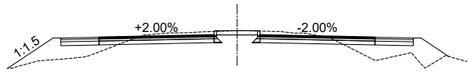
Cut - 8.308 m2
Fill - 15.029 m2

Ch:630+440
GL:125.149
DL:124.896



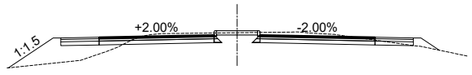
Cut - 9.062 m2
Fill - 12.783 m2

Ch:630+450
GL:125.177
DL:124.904



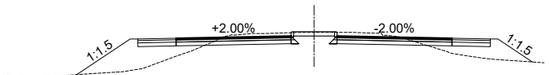
Cut - 9.039 m2
Fill - 12.106 m2

Ch:630+460
GL:125.058
DL:124.912



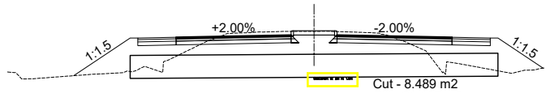
Cut - 10.256 m2
Fill - 8.535 m2

Ch:630+470
GL:125.157
DL:124.921



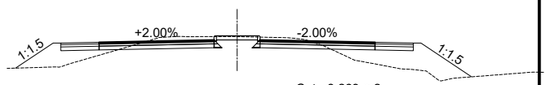
Cut - 8.806 m2
Fill - 14.206 m2

Ch:630+480
GL:125.174
DL:124.937



Cut - 8.489 m2
Fill - 21.107 m2

Ch:630+490
GL:125.183
DL:124.962



Cut - 8.269 m2
Fill - 15.494 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:630+350 - 630+490	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 273
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

Ch:630+500
GL:125.182
DL:124.997

Cut - 8.091 m2
Fill - 9.483 m2

Ch:630+510
GL:125.179
DL:125.040

Cut - 8.282 m2
Fill - 4.318 m2

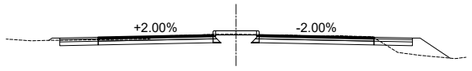
Ch:630+520
GL:125.175
DL:125.084

Cut - 11.272 m2
Fill - 2.842 m2

Ch:630+530
GL:125.234
DL:125.129

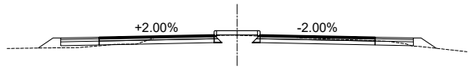
Cut - 13.215 m2
Fill - 3.346 m2

Ch:630+540
GL:125.225
DL:125.174



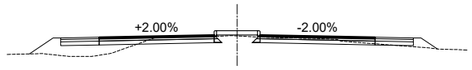
Cut - 9.843 m2
Fill - 4.361 m2

Ch:630+550
GL:125.199
DL:125.218



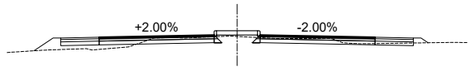
Cut - 6.465 m2
Fill - 3.483 m2

Ch:630+560
GL:125.200
DL:125.263



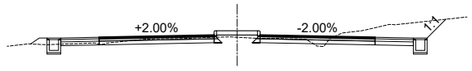
Cut - 5.199 m2
Fill - 6.716 m2

Ch:630+570
GL:125.214
DL:125.308



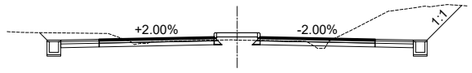
Cut - 4.968 m2
Fill - 4.163 m2

Ch:630+580
GL:125.205
DL:125.353



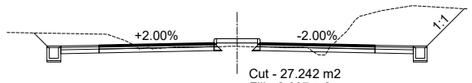
Cut - 11.652 m2
Fill - 2.391 m2

Ch:630+590
GL:125.192
DL:125.397



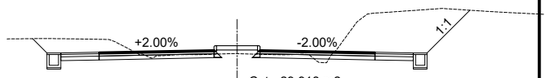
Cut - 21.077 m2
Fill - 2.066 m2

Ch:630+600
GL:125.217
DL:125.442



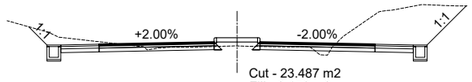
Cut - 27.242 m2
Fill - 2.097 m2

Ch:630+610
GL:125.246
DL:125.487



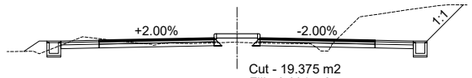
Cut - 29.918 m2
Fill - 2.141 m2

Ch:630+620
GL:125.271
DL:125.531



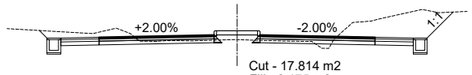
Cut - 23.487 m2
Fill - 2.156 m2

Ch:630+630
GL:125.293
DL:125.576



Cut - 19.375 m2
Fill - 2.891 m2

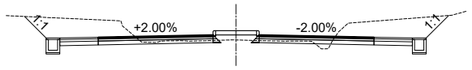
Ch:630+640
GL:125.316
DL:125.621



Cut - 17.814 m2
Fill - 2.175 m2

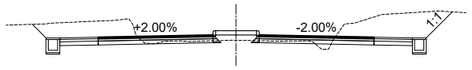
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and ISE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:630+500 - 630+640	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 274

Ch:630+650
GL:125.342
DL:125.666



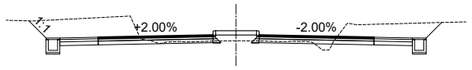
Cut - 21.110 m2
Fill - 2.195 m2

Ch:630+660
GL:125.367
DL:125.710



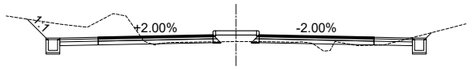
Cut - 22.110 m2
Fill - 2.220 m2

Ch:630+670
GL:125.379
DL:125.755



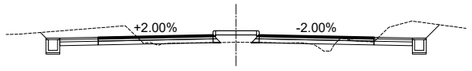
Cut - 19.780 m2
Fill - 2.277 m2

Ch:630+680
GL:125.369
DL:125.797



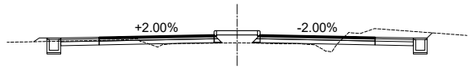
Cut - 10.831 m2
Fill - 2.437 m2

Ch:630+690
GL:125.354
DL:125.829



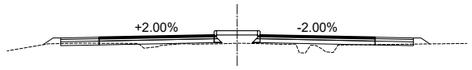
Cut - 10.913 m2
Fill - 2.427 m2

Ch:630+700
GL:125.338
DL:125.852



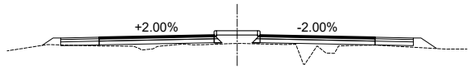
Cut - 6.232 m2
Fill - 3.022 m2

Ch:630+710
GL:125.327
DL:125.865



Cut - 0.696 m2
Fill - 4.514 m2

Ch:630+720
GL:125.318
DL:125.868

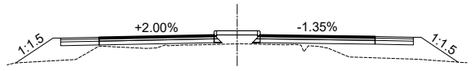


Cut - 0.027 m2
Fill - 6.474 m2

Ch:630+730
GL:125.301
DL:125.861

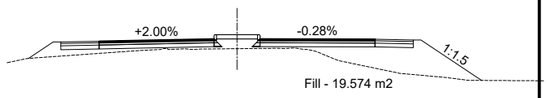
Cut - 0.084 m2
Fill - 8.335 m2

Ch:630+740
GL:125.275
DL:125.844



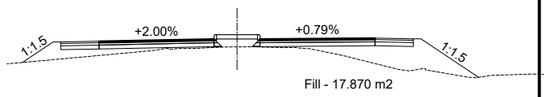
Fill - 15.366 m2

Ch:630+750
GL:125.182
DL:125.818



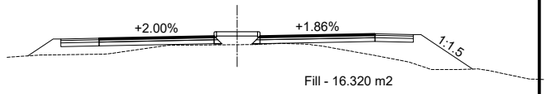
Fill - 19.574 m2

Ch:630+760
GL:125.262
DL:125.781



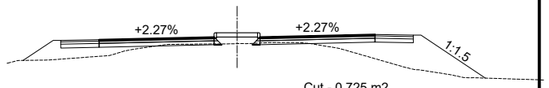
Fill - 17.870 m2

Ch:630+770
GL:125.167
DL:125.735



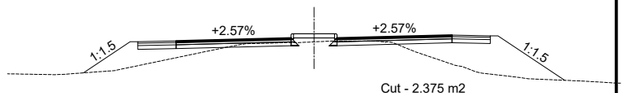
Fill - 16.320 m2

Ch:630+780
GL:125.245
DL:125.679



Cut - 0.725 m2
Fill - 18.271 m2

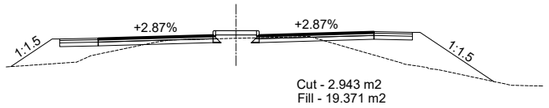
Ch:630+790
GL:125.361
DL:125.613



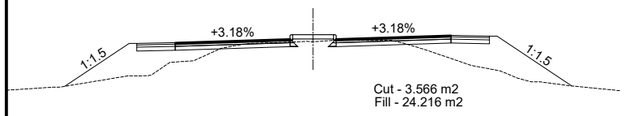
Cut - 2.375 m2
Fill - 22.460 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:630+650 - 630+790	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 275
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

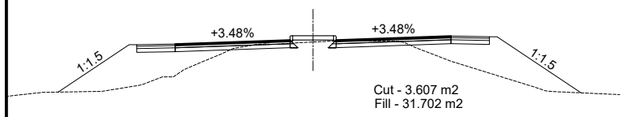
Ch:630+800
GL:125.322
DL:125.541



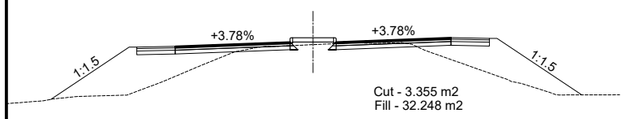
Ch:630+810
GL:125.284
DL:125.467



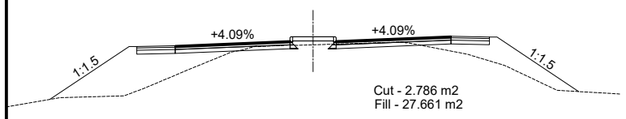
Ch:630+820
GL:125.261
DL:125.394



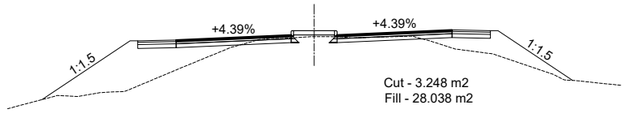
Ch:630+830
GL:125.150
DL:125.321



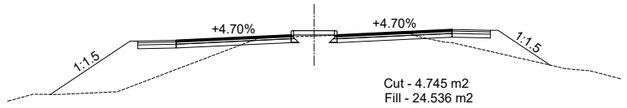
Ch:630+840
GL:125.000
DL:125.248



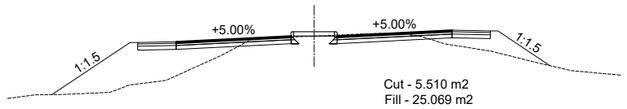
Ch:630+850
GL:125.064
DL:125.175



Ch:630+860
GL:125.031
DL:125.102

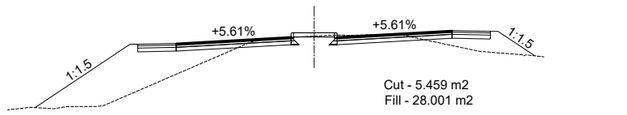


Ch:630+870
GL:125.016
DL:125.028

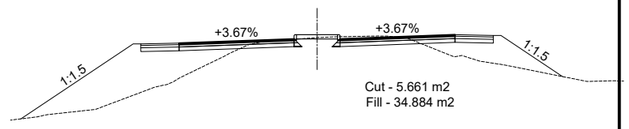


Ch:630+880
GL:125.006
DL:124.955

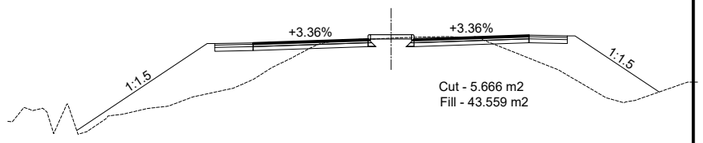
Ch:630+890
GL:124.941
DL:124.882



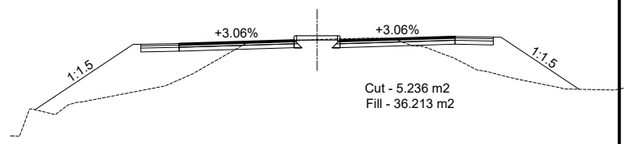
Ch:630+900
GL:124.900
DL:124.809



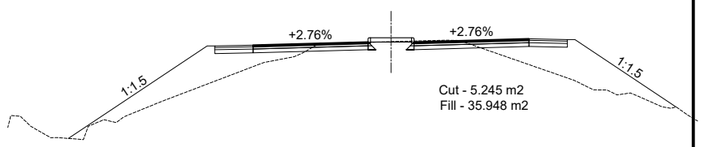
Ch:630+910
GL:124.787
DL:124.736



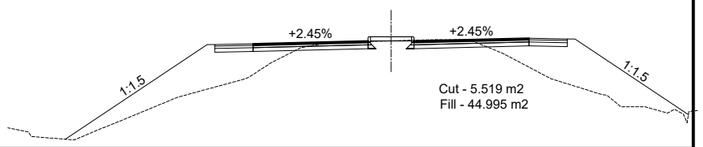
Ch:630+920
GL:124.686
DL:124.663



Ch:630+930
GL:124.610
DL:124.590

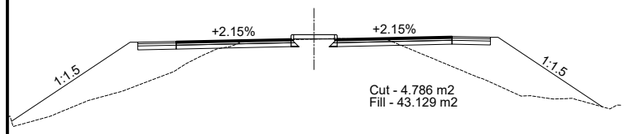


Ch:630+940
GL:124.529
DL:124.516

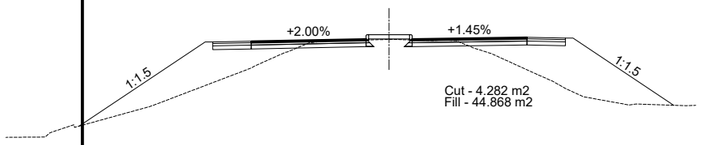


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and GE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:630+800 - 630+940	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 276

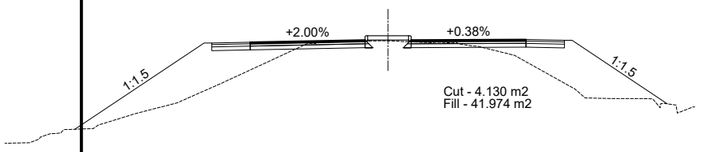
Ch:630+950
GL:124.433
DL:124.443



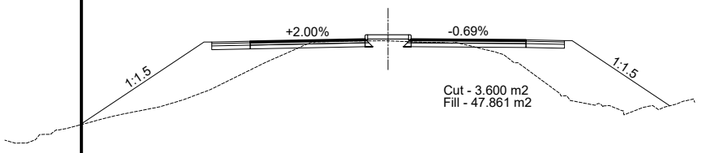
Ch:630+960
GL:124.337
DL:124.370



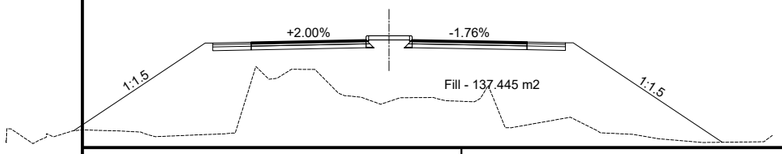
Ch:630+970
GL:124.241
DL:124.297



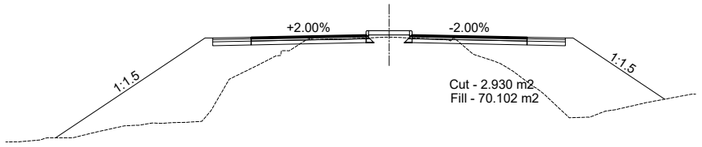
Ch:630+980
GL:124.105
DL:124.224



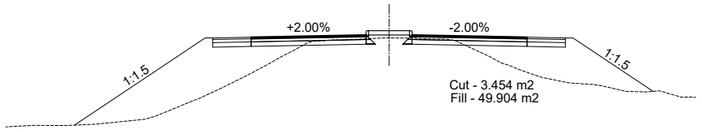
Ch:630+990
GL:120.144
DL:124.151



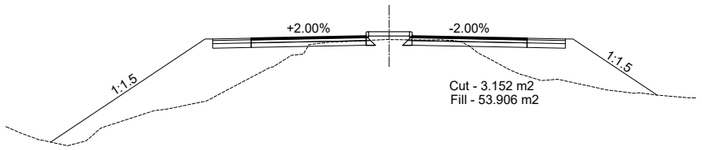
Ch:631+000
GL:123.934
DL:124.078



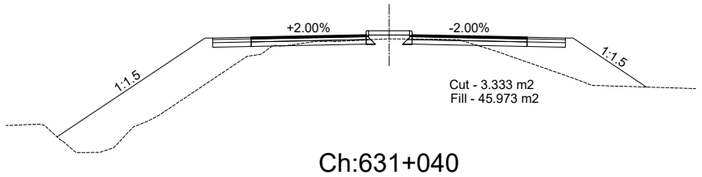
Ch:631+010
GL:123.812
DL:124.004



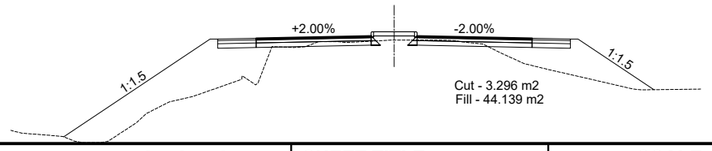
Ch:631+020
GL:123.697
DL:123.931



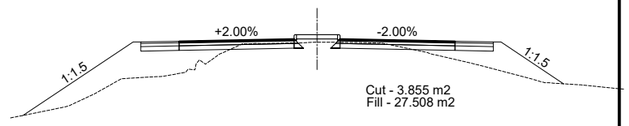
Ch:631+030
GL:123.601
DL:123.858



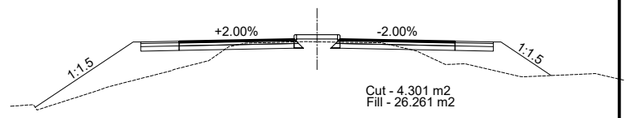
Ch:631+040
GL:123.516
DL:123.785



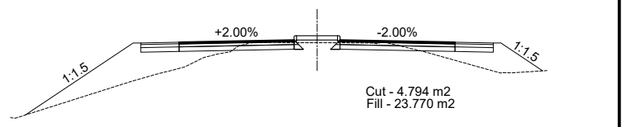
Ch:631+050
GL:123.496
DL:123.712



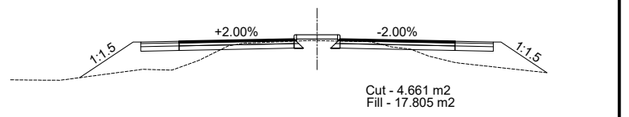
Ch:631+060
GL:123.454
DL:123.639



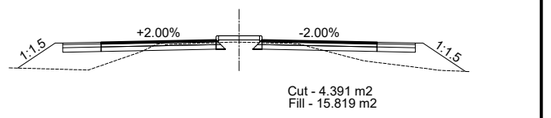
Ch:631+070
GL:123.386
DL:123.565



Ch:631+080
GL:123.387
DL:123.492

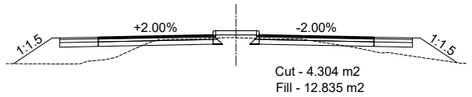


Ch:631+090
GL:123.280
DL:123.419

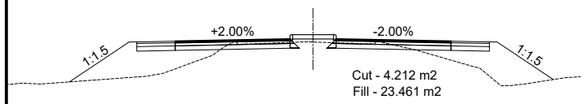


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:630+950 - 631+090	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 277

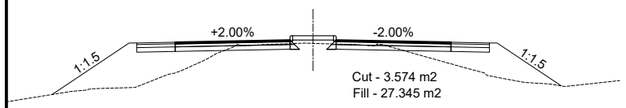
Ch:631+100
GL:123.169
DL:123.348



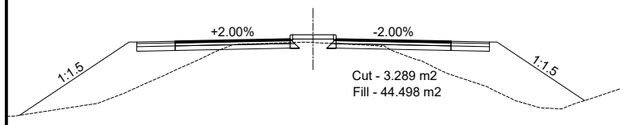
Ch:631+110
GL:123.079
DL:123.279



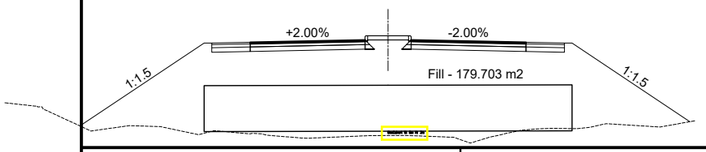
Ch:631+120
GL:122.988
DL:123.212



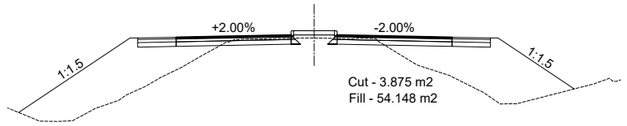
Ch:631+130
GL:122.917
DL:123.148



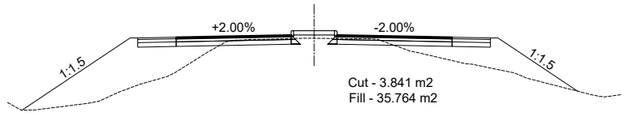
Ch:631+140
GL:116.856
DL:123.086



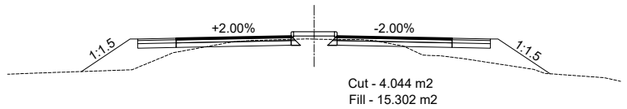
Ch:631+150
GL:122.826
DL:123.025



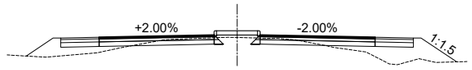
Ch:631+160
GL:122.745
DL:122.963



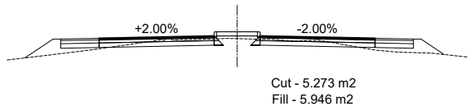
Ch:631+170
GL:122.696
DL:122.902



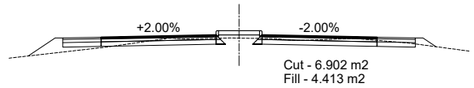
Ch:631+180
GL:122.678
DL:122.840



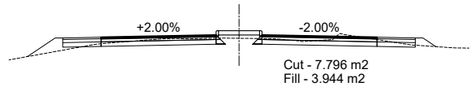
Ch:631+190
GL:122.605
DL:122.779



Ch:631+200
GL:122.511
DL:122.718

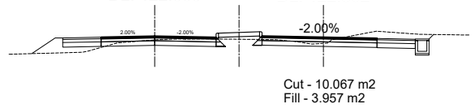


Ch:631+210
GL:122.438
DL:122.656



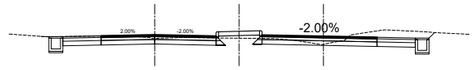
Ch:631+220
GL:122.381
DL:122.595

GL: 122.336 DL: 122.585 | GL: 122.114 DL: 122.502



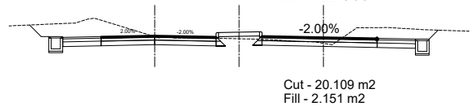
Ch:631+230
GL:122.324
DL:122.533

GL: 122.288 DL: 122.545 | GL: 121.920 DL: 122.435



Ch:631+240
GL:122.293
DL:122.472

GL: 122.433 DL: 122.505 | GL: 121.996 DL: 122.369

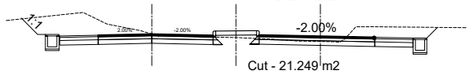


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:631+100 - 631+240	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 278
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

Ch:631+250
GL:122.237
DL:122.410

GL: 122.467
DL: 122.465

GL: 121.986
DL: 122.303

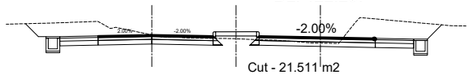


Cut - 21.249 m2
Fill - 2.151 m2

Ch:631+260
GL:122.166
DL:122.349

GL: 122.422
DL: 122.425

GL: 121.882
DL: 122.237

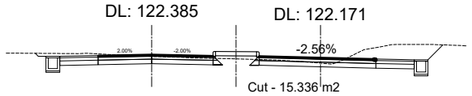


Cut - 21.511 m2
Fill - 2.151 m2

Ch:631+270
GL:122.099
DL:122.288

GL: 122.257
DL: 122.385

GL: 121.819
DL: 122.171

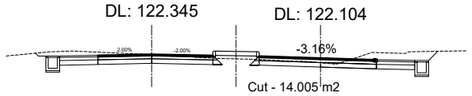


Cut - 15.336 m2
Fill - 2.151 m2

Ch:631+280
GL:122.038
DL:122.226

GL: 122.319
DL: 122.345

GL: 121.781
DL: 122.104

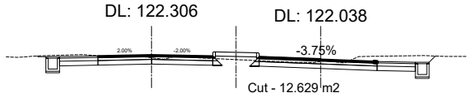


Cut - 14.005 m2
Fill - 2.151 m2

Ch:631+290
GL:121.995
DL:122.165

GL: 122.113
DL: 122.306

GL: 121.876
DL: 122.038

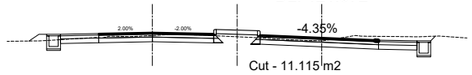


Cut - 12.629 m2
Fill - 2.261 m2

Ch:631+300
GL:121.986
DL:122.103

GL: 122.067
DL: 122.266

GL: 121.724
DL: 121.972

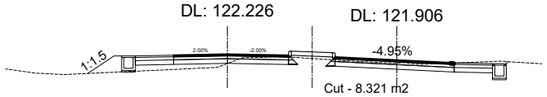


Cut - 11.115 m2
Fill - 2.837 m2

Ch:631+310
GL:121.941
DL:122.042

GL: 121.612
DL: 122.226

GL: 121.652
DL: 121.906

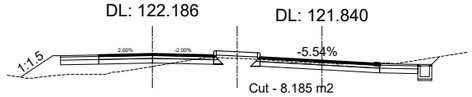


Cut - 8.321 m2
Fill - 7.629 m2

Ch:631+320
GL:121.886
DL:121.981

GL: 121.361
DL: 122.186

GL: 121.577
DL: 121.840

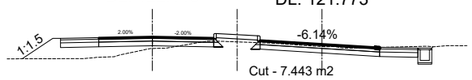


Cut - 8.185 m2
Fill - 10.062 m2

Ch:631+330
GL:121.796
DL:121.919

GL: 121.366
DL: 122.146

GL: 121.491
DL: 121.773

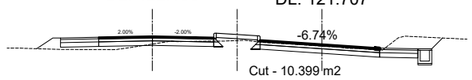


Cut - 7.443 m2
Fill - 10.370 m2

Ch:631+340
GL:121.820
DL:121.858

GL: 121.591
DL: 122.106

GL: 121.454
DL: 121.707

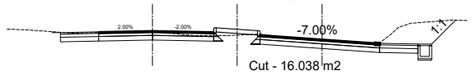


Cut - 10.399 m2
Fill - 5.989 m2

Ch:631+350
GL:121.781
DL:121.796

GL: 122.014
DL: 122.066

GL: 121.412
DL: 121.641

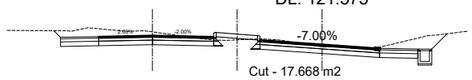


Cut - 16.038 m2
Fill - 2.342 m2

Ch:631+360
GL:121.742
DL:121.735

GL: 122.263
DL: 122.027

GL: 121.289
DL: 121.575

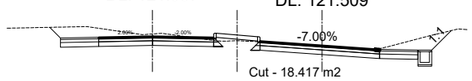


Cut - 17.668 m2
Fill - 2.151 m2

Ch:631+370
GL:121.691
DL:121.674

GL: 122.131
DL: 121.987

GL: 121.282
DL: 121.509

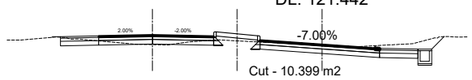


Cut - 18.417 m2
Fill - 2.151 m2

Ch:631+380
GL:121.555
DL:121.612

GL: 121.312
DL: 121.947

GL: 121.237
DL: 121.442

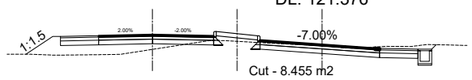


Cut - 10.399 m2
Fill - 2.455 m2

Ch:631+390
GL:121.464
DL:121.551

GL: 120.938
DL: 121.907

GL: 121.173
DL: 121.376



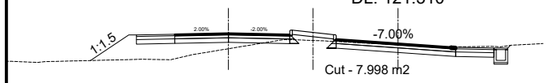
Cut - 8.455 m2
Fill - 9.387 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:**	**IMPLEMENTING AGENCY:**	**SHEET TITLE:**	**SCALE:**		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:**
	Soosung Engineering Co. Ltd, Korea in association with	**DOR, DCID**	Cross Section OF Ch:631+250 - 631+390	1:400	DESIGNED BY:	S.B. Shrestha				November, 2022
	ERMC P (Ltd), Nepal and	**ROAD NAME:** **East West Highway (H01)**			CHECKED BY:	P. Upadhyaya				**DWG.NO.:** 4
	TTE-Tech Studio of Engineeering	Butwal - Gorusinghe Section			APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 279

Ch:631+400
GL:121.388
DL:121.489

GL: 120.852
DL: 121.867

GL: 121.116
DL: 121.310



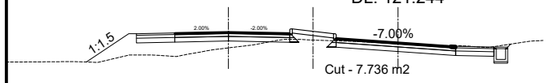
Cut - 7.998 m2

Fill - 12.047 m2

Ch:631+410
GL:121.290
DL:121.428

GL: 120.781
DL: 121.827

GL: 121.065
DL: 121.244



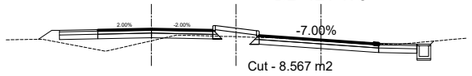
Cut - 7.736 m2

Fill - 11.582 m2

Ch:631+420
GL:121.263
DL:121.366

GL: 120.986
DL: 121.787

GL: 120.994
DL: 121.178



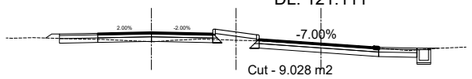
Cut - 8.567 m2

Fill - 6.782 m2

Ch:631+430
GL:121.219
DL:121.305

GL: 121.131
DL: 121.748

GL: 120.954
DL: 121.111



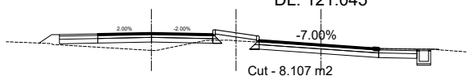
Cut - 9.028 m2

Fill - 2.521 m2

Ch:631+440
GL:121.191
DL:121.244

GL: 120.565
DL: 121.714

GL: 120.905
DL: 121.045



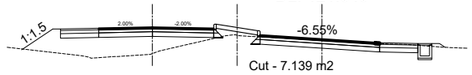
Cut - 8.107 m2

Fill - 5.405 m2

Ch:631+450
GL:121.159
DL:121.182

GL: 119.968
DL: 121.689

GL: 120.826
DL: 121.045



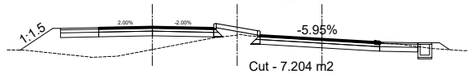
Cut - 7.139 m2

Fill - 13.222 m2

Ch:631+460
GL:121.109
DL:121.121

GL: 120.172
DL: 121.671

GL: 120.797
DL: 120.979



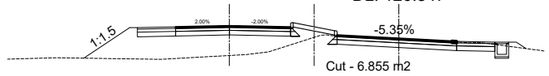
Cut - 7.204 m2

Fill - 12.366 m2

Ch:631+470
GL:120.903
DL:121.059

GL: 119.720
DL: 121.662

GL: 120.810
DL: 120.847



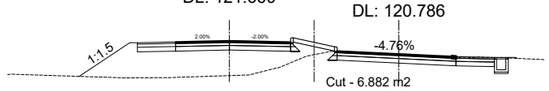
Cut - 6.855 m2

Fill - 16.336 m2

Ch:631+480
GL:120.756
DL:120.998

GL: 119.392
DL: 121.660

GL: 120.807
DL: 120.786



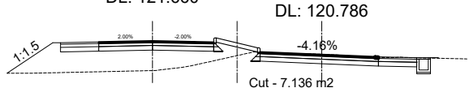
Cut - 6.882 m2

Fill - 18.370 m2

Ch:631+490
GL:120.700
DL:120.937

GL: 119.725
DL: 121.660

GL: 120.790
DL: 120.786



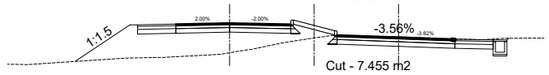
Cut - 7.136 m2

Fill - 12.617 m2

Ch:631+500
GL:120.684
DL:120.879

GL: 119.716
DL: 121.660

GL: 120.749
DL: 120.736



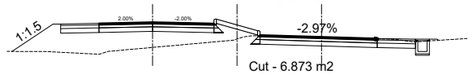
Cut - 7.455 m2

Fill - 12.914 m2

Ch:631+510
GL:120.565
DL:120.827

GL: 120.015
DL: 121.660

GL: 120.692
DL: 120.697



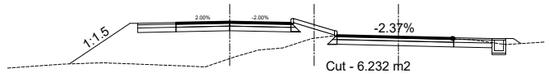
Cut - 6.873 m2

Fill - 8.508 m2

Ch:631+520
GL:120.565
DL:120.782

GL: 119.242
DL: 121.660

GL: 120.634
DL: 120.669



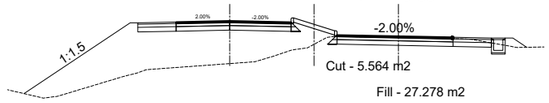
Cut - 6.232 m2

Fill - 17.435 m2

Ch:631+530
GL:120.136
DL:120.744

GL: 118.879
DL: 121.660

GL: 120.603
DL: 120.652



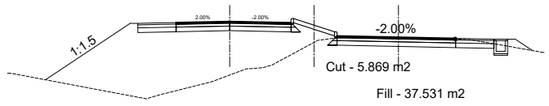
Cut - 5.564 m2

Fill - 27.278 m2

Ch:631+540
GL:120.296
DL:120.712

GL: 118.168
DL: 121.660

GL: 120.598
DL: 120.646



Cut - 5.869 m2

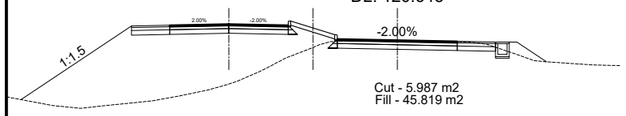
Fill - 37.531 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:631+400 - 631+540	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 280

Ch:631+550
GL:120.132
DL:120.686

GL: 117.745
DL: 121.660

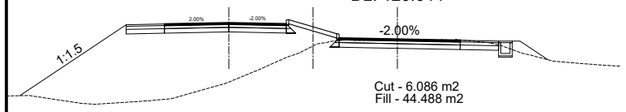
GL: 120.577
DL: 120.645



Ch:631+560
GL:120.147
DL:120.667

GL: 117.788
DL: 121.660

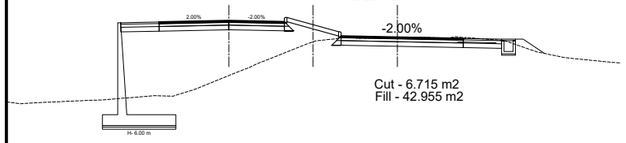
GL: 120.549
DL: 120.644



Ch:631+570
GL:120.278
DL:120.655

GL: 118.073
DL: 121.660

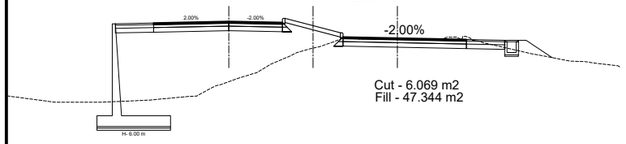
GL: 120.535
DL: 120.644



Ch:631+580
GL:119.925
DL:120.649

GL: 117.731
DL: 121.660

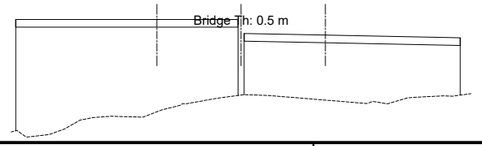
GL: 120.527
DL: 120.643



Ch:631+590
GL:116.734
DL:120.648

GL: 115.638
DL: 121.660

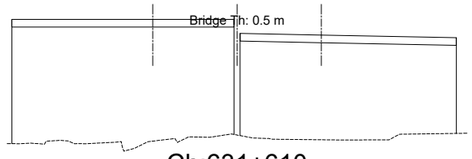
GL: 116.401
DL: 120.642



Ch:631+600
GL:114.122
DL:120.648

GL: 113.724
DL: 121.660

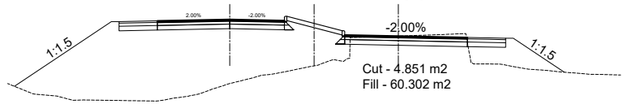
GL: 113.811
DL: 120.642



Ch:631+610
GL:118.633
DL:120.648

GL: 117.481
DL: 121.660

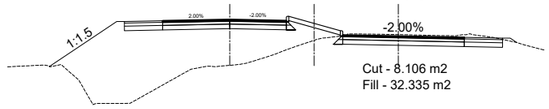
GL: 120.574
DL: 120.641



Ch:631+620
GL:120.299
DL:120.648

GL: 118.669
DL: 121.660

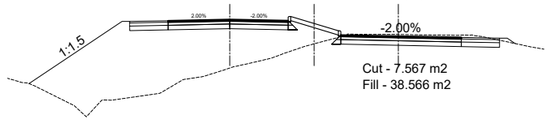
GL: 120.671
DL: 120.640



Ch:631+630
GL:120.070
DL:120.648

GL: 118.494
DL: 121.660

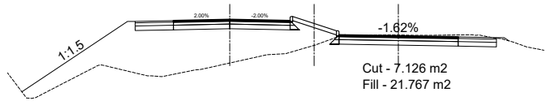
GL: 120.682
DL: 120.644



Ch:631+640
GL:119.970
DL:120.648

GL: 118.821
DL: 121.660

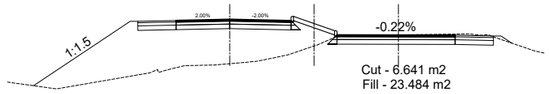
GL: 120.646
DL: 120.657



Ch:631+650
GL:119.926
DL:120.648

GL: 118.775
DL: 121.660

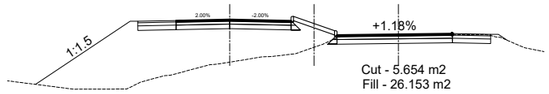
GL: 120.650
DL: 120.679



Ch:631+660
GL:119.846
DL:120.648

GL: 118.873
DL: 121.660

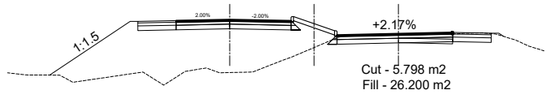
GL: 120.640
DL: 120.710



Ch:631+670
GL:119.836
DL:120.657

GL: 118.207
DL: 121.663

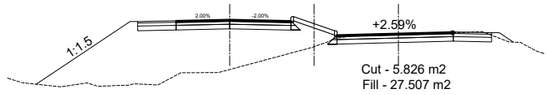
GL: 120.719
DL: 120.751



Ch:631+680
GL:119.914
DL:120.677

GL: 118.424
DL: 121.677

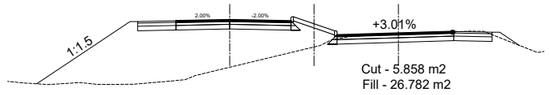
GL: 120.752
DL: 120.800



Ch:631+690
GL:119.927
DL:120.708

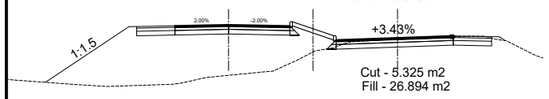
GL: 118.604
DL: 121.702

GL: 120.807
DL: 120.859



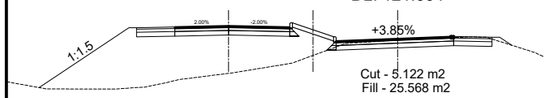
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:631+550 - 631+690	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 281

Ch:631+700
GL:119.970
DL:120.750
GL: 118.445
DL: 121.740
GL: 120.823
DL: 120.927



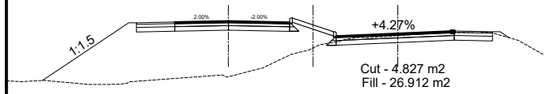
Cut - 5.325 m2
Fill - 26.894 m2

Ch:631+710
GL:119.861
DL:120.804
GL: 118.691
DL: 121.789
GL: 120.861
DL: 121.004



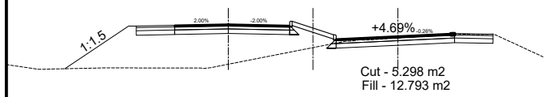
Cut - 5.122 m2
Fill - 25.568 m2

Ch:631+720
GL:120.088
DL:120.869
GL: 118.212
DL: 121.847
GL: 120.886
DL: 121.090



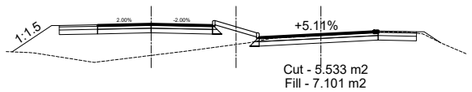
Cut - 4.827 m2
Fill - 26.912 m2

Ch:631+730
GL:120.385
DL:120.945
GL: 119.300
DL: 121.906
GL: 121.011
DL: 121.185



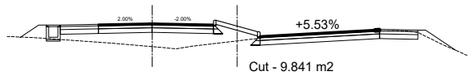
Cut - 5.298 m2
Fill - 12.793 m2

Ch:631+740
GL:120.547
DL:121.033
GL: 119.833
DL: 121.906
GL: 121.134
DL: 121.398



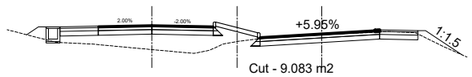
Cut - 5.533 m2
Fill - 7.101 m2

Ch:631+750
GL:120.808
DL:121.132
GL: 120.433
DL: 121.964



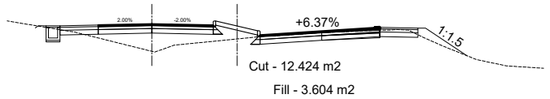
Cut - 9.841 m2
Fill - 2.798 m2

Ch:631+760
GL:120.944
DL:121.243
GL: 120.419
DL: 122.023
GL: 121.405
DL: 121.507



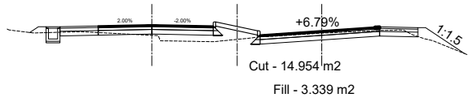
Cut - 9.083 m2
Fill - 3.828 m2

Ch:631+770
GL:121.101
DL:121.361
GL: 120.295
DL: 122.082
GL: 121.514
DL: 121.615



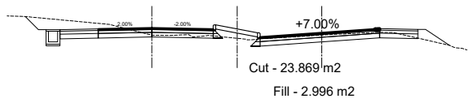
Cut - 12.424 m2
Fill - 3.604 m2

Ch:631+780
GL:121.193
DL:121.480
GL: 121.459
DL: 122.140
GL: 121.602
DL: 121.833



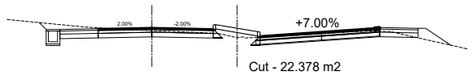
Cut - 14.954 m2
Fill - 3.339 m2

Ch:631+790
GL:121.514
DL:121.599
GL: 121.720
DL: 122.199
GL: 121.724
DL: 121.942



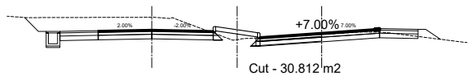
Cut - 23.869 m2
Fill - 2.996 m2

Ch:631+800
GL:121.605
DL:121.718
GL: 122.073
DL: 122.258
GL: 121.863
DL: 122.051



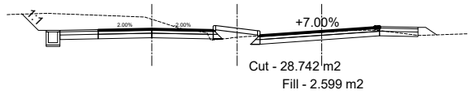
Cut - 22.378 m2
Fill - 3.093 m2

Ch:631+810
GL:121.659
DL:121.836
GL: 123.119
DL: 122.316
GL: 121.995
DL: 122.160



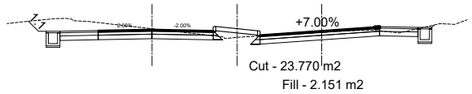
Cut - 30.812 m2
Fill - 2.655 m2

Ch:631+820
GL:121.803
DL:121.955
GL: 122.980
DL: 122.375
GL: 122.128
DL: 122.268



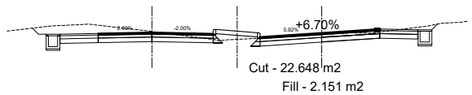
Cut - 28.742 m2
Fill - 2.599 m2

Ch:631+830
GL:121.923
DL:122.074
GL: 122.483
DL: 122.434
GL: 122.242
DL: 122.377



Cut - 23.770 m2
Fill - 2.151 m2

Ch:631+840
GL:122.041
DL:122.193
GL: 122.553
DL: 122.492
GL: 122.345
DL: 122.485

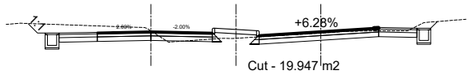


Cut - 22.648 m2
Fill - 2.151 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:631+700 - 631+840	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 282

Ch:631+850
GL:122.091
DL:122.309

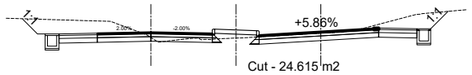
GL: 122.571 GL: 122.424
DL: 122.550 DL: 122.579



Cut - 19.947 m2
Fill - 2.151 m2

Ch:631+860
GL:122.207
DL:122.411

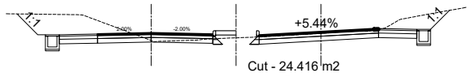
GL: 122.243 GL: 122.525
DL: 122.599 DL: 122.654



Cut - 24.615 m2
Fill - 2.151 m2

Ch:631+870
GL:122.313
DL:122.499

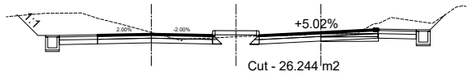
GL: 122.141 GL: 122.602
DL: 122.637 DL: 122.709



Cut - 24.416 m2
Fill - 2.151 m2

Ch:631+880
GL:122.464
DL:122.573

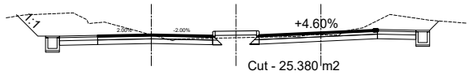
GL: 122.745 GL: 122.656
DL: 122.664 DL: 122.745



Cut - 26.244 m2
Fill - 2.151 m2

Ch:631+890
GL:122.455
DL:122.633

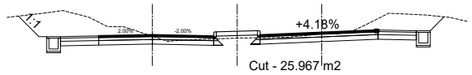
GL: 122.645 GL: 122.643
DL: 122.679 DL: 122.762



Cut - 25.380 m2
Fill - 2.151 m2

Ch:631+900
GL:122.472
DL:122.679

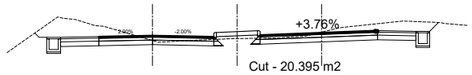
GL: 122.593 GL: 122.772
DL: 122.684 DL: 122.760



Cut - 25.967 m2
Fill - 2.151 m2

Ch:631+910
GL:122.475
DL:122.711

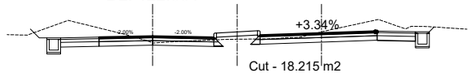
GL: 122.347 GL: 122.895
DL: 122.678 DL: 122.740



Cut - 20.395 m2
Fill - 2.151 m2

Ch:631+920
GL:122.452
DL:122.728

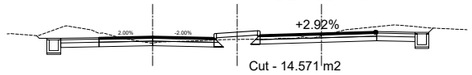
GL: 122.203 GL: 122.928
DL: 122.661 DL: 122.714



Cut - 18.215 m2
Fill - 2.151 m2

Ch:631+930
GL:122.443
DL:122.732

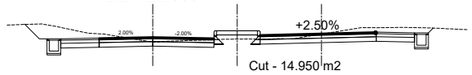
GL: 122.212 GL: 122.671
DL: 122.633 DL: 122.688



Cut - 14.571 m2
Fill - 2.151 m2

Ch:631+940
GL:122.454
DL:122.722

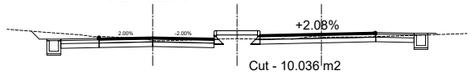
GL: 122.269 GL: 122.781
DL: 122.595 DL: 122.663



Cut - 14.950 m2
Fill - 2.151 m2

Ch:631+950
GL:122.455
DL:122.707

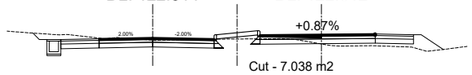
GL: 122.350 GL: 122.572
DL: 122.554 DL: 122.637



Cut - 10.036 m2
Fill - 2.204 m2

Ch:631+960
GL:122.428
DL:122.692

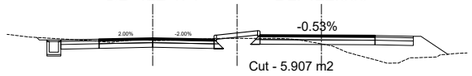
GL: 122.351 GL: 122.105
DL: 122.514 DL: 122.612



Cut - 7.038 m2
Fill - 4.389 m2

Ch:631+970
GL:122.458
DL:122.677

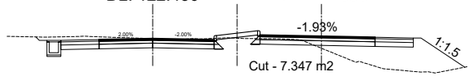
GL: 122.316 GL: 122.096
DL: 122.474 DL: 122.586



Cut - 5.907 m2
Fill - 8.393 m2

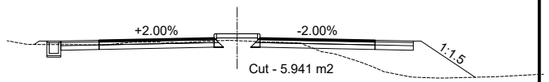
Ch:631+980
GL:122.453
DL:122.662

GL: 122.430 GL: 121.800
DL: 122.430 DL: 122.563



Cut - 7.347 m2
Fill - 13.181 m2

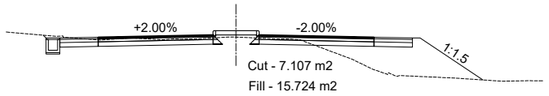
Ch:631+990
GL:122.474
DL:122.646



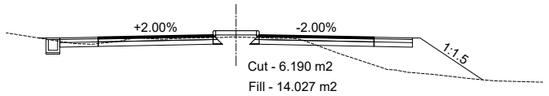
Cut - 5.941 m2
Fill - 13.843 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:631+850 - 631+990	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 283

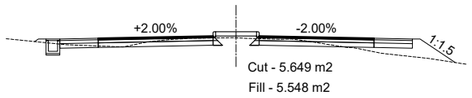
Ch:632+000
GL:122.487
DL:122.631



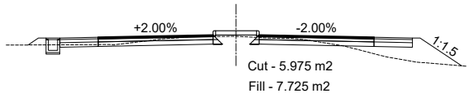
Ch:632+010
GL:122.482
DL:122.616



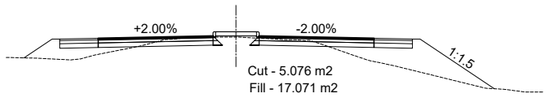
Ch:632+020
GL:122.484
DL:122.601



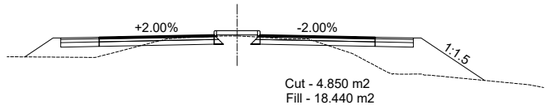
Ch:632+030
GL:122.501
DL:122.586



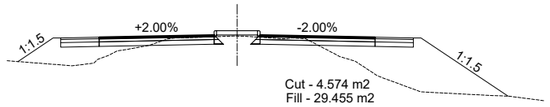
Ch:632+040
GL:122.503
DL:122.571



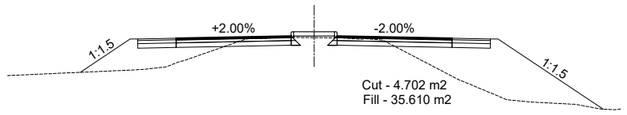
Ch:632+050
GL:122.489
DL:122.556



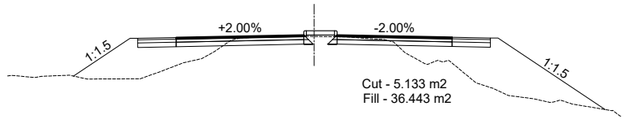
Ch:632+060
GL:122.467
DL:122.541



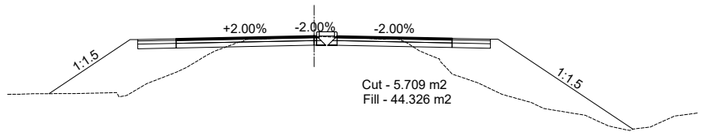
Ch:632+070
GL:122.417
DL:122.526



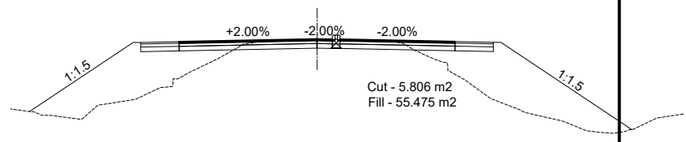
Ch:632+080
GL:122.417
DL:122.511



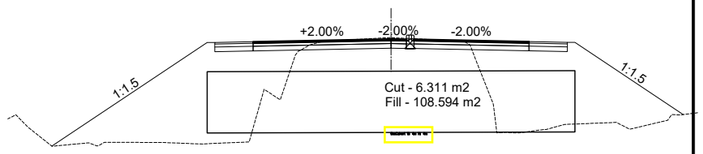
Ch:632+090
GL:122.491
DL:122.500



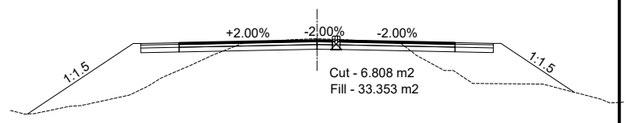
Ch:632+100
GL:122.497
DL:122.495



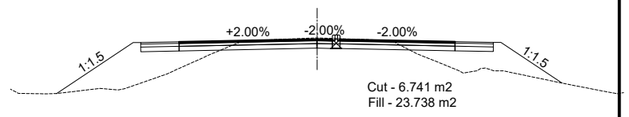
Ch:632+110
GL:122.579
DL:122.495



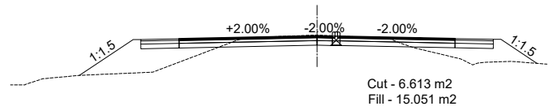
Ch:632+120
GL:122.580
DL:122.501



Ch:632+130
GL:122.581
DL:122.513

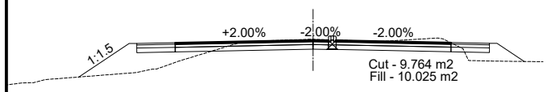


Ch:632+140
GL:122.585
DL:122.530



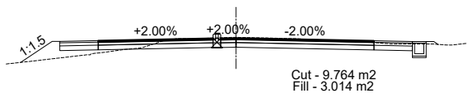
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:632+000 - 632+140	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 284
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

Ch:632+150
GL:122.590
DL:122.550

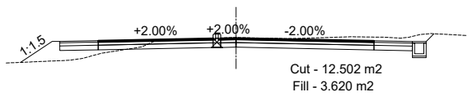


Ch:632+160
GL:122.606
DL:122.569

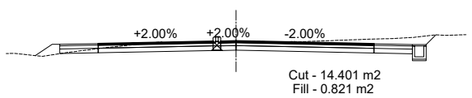
Ch:632+170
GL:122.628
DL:122.588



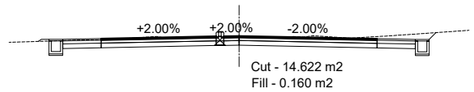
Ch:632+180
GL:122.639
DL:122.607



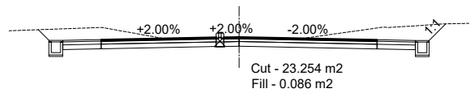
Ch:632+190
GL:122.627
DL:122.626



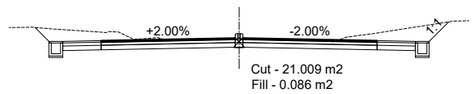
Ch:632+200
GL:122.615
DL:122.646



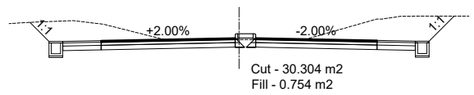
Ch:632+210
GL:122.594
DL:122.665



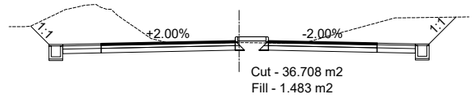
Ch:632+220
GL:122.575
DL:122.684



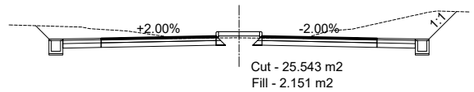
Ch:632+230
GL:122.596
DL:122.703



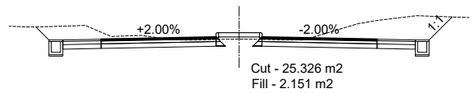
Ch:632+240
GL:122.616
DL:122.722



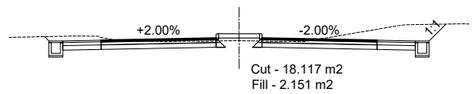
Ch:632+250
GL:122.619
DL:122.741



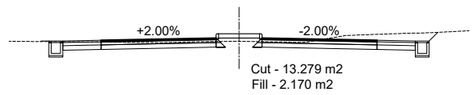
Ch:632+260
GL:122.617
DL:122.761



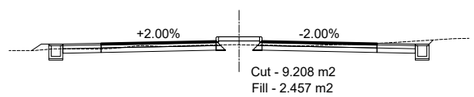
Ch:632+270
GL:122.602
DL:122.780



Ch:632+280
GL:122.582
DL:122.799

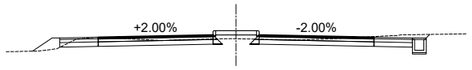


Ch:632+290
GL:122.572
DL:122.818



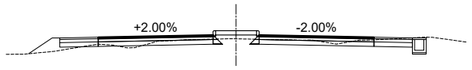
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:632+150 - 632+290	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 285

Ch:632+300
GL:122.592
DL:122.837



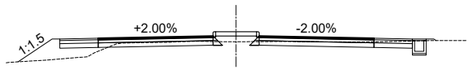
Cut - 10.300 m2
Fill - 2.996 m2

Ch:632+310
GL:122.604
DL:122.856



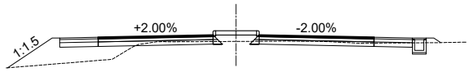
Cut - 6.014 m2
Fill - 3.532 m2

Ch:632+320
GL:122.501
DL:122.876



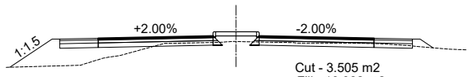
Cut - 5.649 m2
Fill - 5.896 m2

Ch:632+330
GL:122.475
DL:122.895



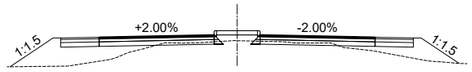
Cut - 3.833 m2
Fill - 9.600 m2

Ch:632+340
GL:122.555
DL:122.914



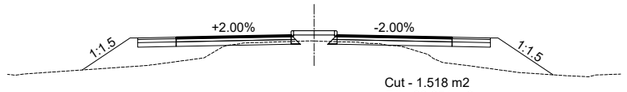
Cut - 3.505 m2
Fill - 10.082 m2

Ch:632+350
GL:122.560
DL:122.933



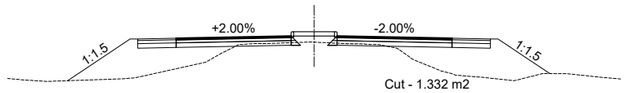
Cut - 1.829 m2
Fill - 14.522 m2

Ch:632+360
GL:122.562
DL:122.952



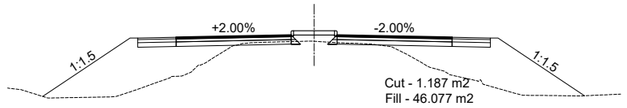
Cut - 1.518 m2
Fill - 20.951 m2

Ch:632+370
GL:122.568
DL:122.972



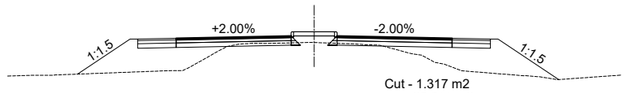
Cut - 1.332 m2
Fill - 30.474 m2

Ch:632+380
GL:122.579
DL:122.991



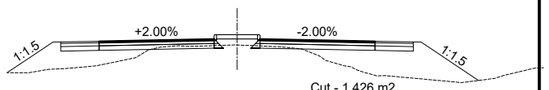
Cut - 1.187 m2
Fill - 46.077 m2

Ch:632+390
GL:122.586
DL:123.010



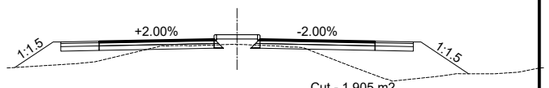
Cut - 1.317 m2
Fill - 25.511 m2

Ch:632+400
GL:122.636
DL:123.029



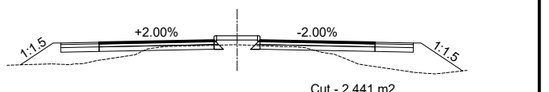
Cut - 1.426 m2
Fill - 24.953 m2

Ch:632+410
GL:122.700
DL:123.048



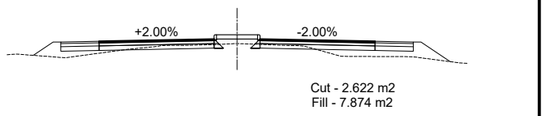
Cut - 1.905 m2
Fill - 20.809 m2

Ch:632+420
GL:122.759
DL:123.067



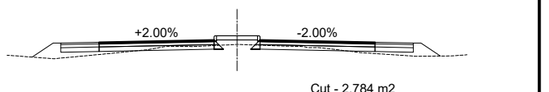
Cut - 2.441 m2
Fill - 15.828 m2

Ch:632+430
GL:122.789
DL:123.087



Cut - 2.622 m2
Fill - 7.874 m2

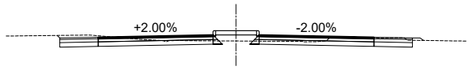
Ch:632+440
GL:122.816
DL:123.106



Cut - 2.784 m2
Fill - 5.913 m2

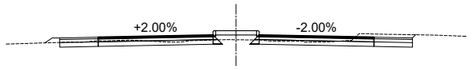
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:632+300 - 6932+440	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 286

Ch:632+450
GL:122.731
DL:123.125



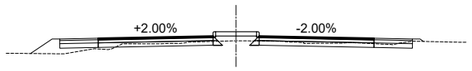
Cut - 9.428 m2
Fill - 2.243 m2

Ch:632+460
GL:122.831
DL:123.144



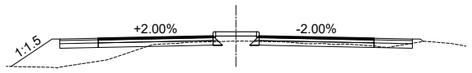
Cut - 8.459 m2
Fill - 2.368 m2

Ch:632+470
GL:122.851
DL:123.163



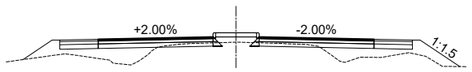
Cut - 4.583 m2
Fill - 4.090 m2

Ch:632+480
GL:122.848
DL:123.182



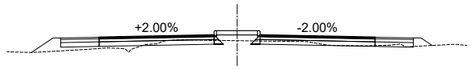
Cut - 3.257 m2
Fill - 9.923 m2

Ch:632+490
GL:122.863
DL:123.201



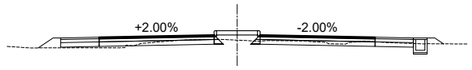
Cut - 2.043 m2
Fill - 12.958 m2

Ch:632+500
GL:122.844
DL:123.219



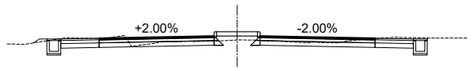
Cut - 2.918 m2
Fill - 4.548 m2

Ch:632+510
GL:122.900
DL:123.237



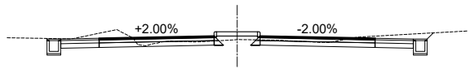
Cut - 4.483 m2
Fill - 3.406 m2

Ch:632+520
GL:122.995
DL:123.255



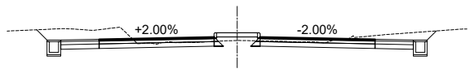
Cut - 9.154 m2
Fill - 2.264 m2

Ch:632+530
GL:123.030
DL:123.272



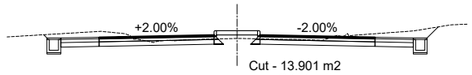
Cut - 11.740 m2
Fill - 2.151 m2

Ch:632+540
GL:123.060
DL:123.290



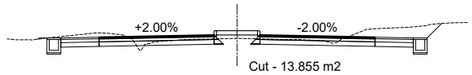
Cut - 15.790 m2
Fill - 2.151 m2

Ch:632+550
GL:123.078
DL:123.308



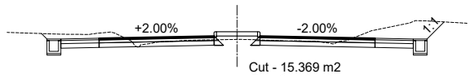
Cut - 13.901 m2
Fill - 2.151 m2

Ch:632+560
GL:123.098
DL:123.325



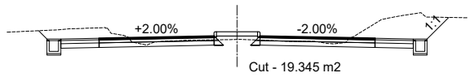
Cut - 13.855 m2
Fill - 2.262 m2

Ch:632+570
GL:123.118
DL:123.343



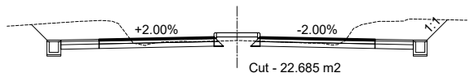
Cut - 15.369 m2
Fill - 2.156 m2

Ch:632+580
GL:123.134
DL:123.360



Cut - 19.345 m2
Fill - 2.151 m2

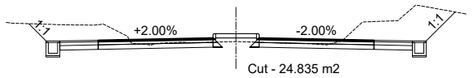
Ch:632+590
GL:123.145
DL:123.378



Cut - 22.685 m2
Fill - 2.151 m2

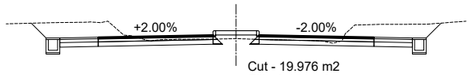
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and ITE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:632+450 - 632+590	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 287

Ch:632+600
GL:123.157
DL:123.395



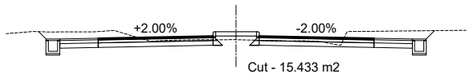
Cut - 24.835 m2
Fill - 2.151 m2

Ch:632+610
GL:123.174
DL:123.413



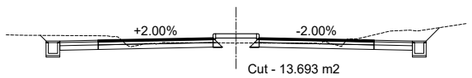
Cut - 19.976 m2
Fill - 2.151 m2

Ch:632+620
GL:123.186
DL:123.430



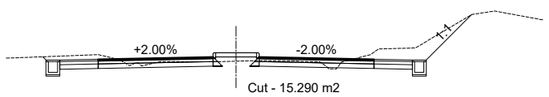
Cut - 15.433 m2
Fill - 2.151 m2

Ch:632+630
GL:123.124
DL:123.448



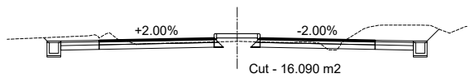
Cut - 13.693 m2
Fill - 2.151 m2

Ch:632+640
GL:123.193
DL:123.465



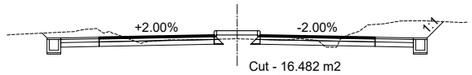
Cut - 15.290 m2
Fill - 2.196 m2

Ch:632+650
GL:123.260
DL:123.483



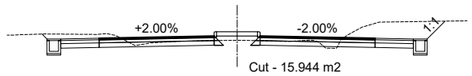
Cut - 16.090 m2
Fill - 2.209 m2

Ch:632+660
GL:123.253
DL:123.500



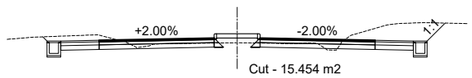
Cut - 16.482 m2
Fill - 2.237 m2

Ch:632+670
GL:123.233
DL:123.514



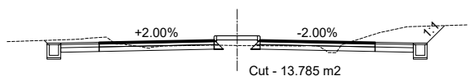
Cut - 15.944 m2
Fill - 2.237 m2

Ch:632+680
GL:123.207
DL:123.516



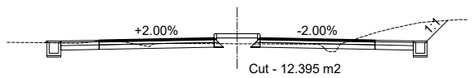
Cut - 15.454 m2
Fill - 2.216 m2

Ch:632+690
GL:123.148
DL:123.507



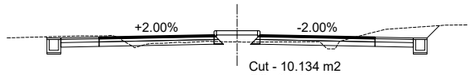
Cut - 13.785 m2
Fill - 2.235 m2

Ch:632+700
GL:123.107
DL:123.487



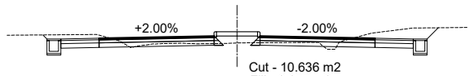
Cut - 12.395 m2
Fill - 2.292 m2

Ch:632+710
GL:123.002
DL:123.456



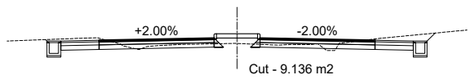
Cut - 10.134 m2
Fill - 2.341 m2

Ch:632+720
GL:122.957
DL:123.414



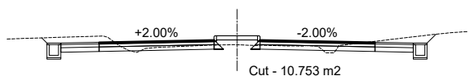
Cut - 10.636 m2
Fill - 2.277 m2

Ch:632+730
GL:123.005
DL:123.360



Cut - 9.136 m2
Fill - 2.245 m2

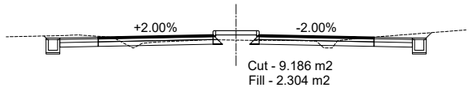
Ch:632+740
GL:122.985
DL:123.296



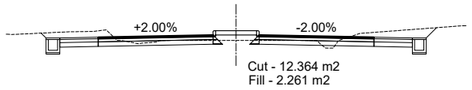
Cut - 10.753 m2
Fill - 2.286 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:632+600 - 632+740	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 288

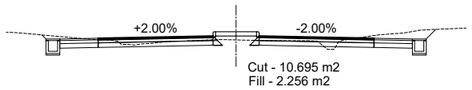
Ch:632+750
GL:122.886
DL:123.224



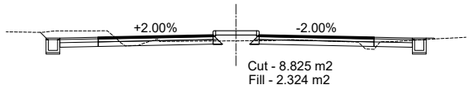
Ch:632+760
GL:122.795
DL:123.152



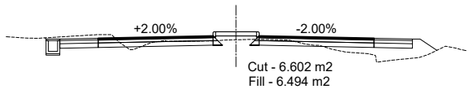
Ch:632+770
GL:122.824
DL:123.080



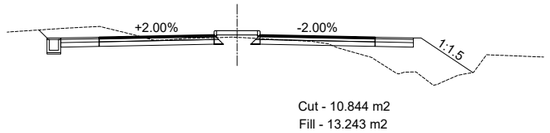
Ch:632+780
GL:122.626
DL:123.009



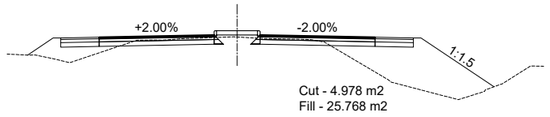
Ch:632+790
GL:122.692
DL:122.937



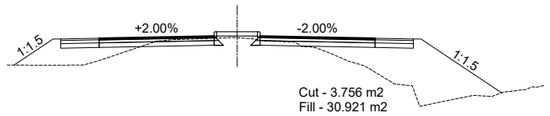
Ch:632+800
GL:122.712
DL:122.865



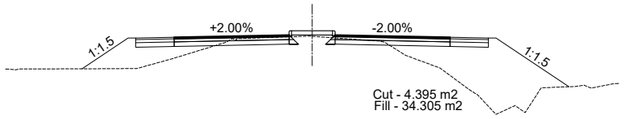
Ch:632+810
GL:122.660
DL:122.793



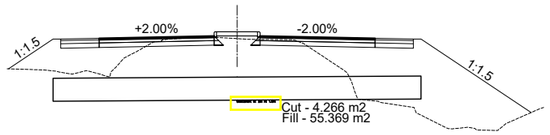
Ch:632+820
GL:122.608
DL:122.721



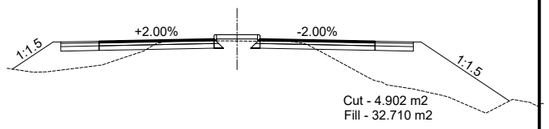
Ch:632+830
GL:122.565
DL:122.650



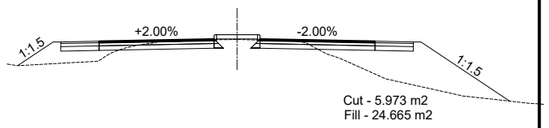
Ch:632+840
GL:122.409
DL:122.578



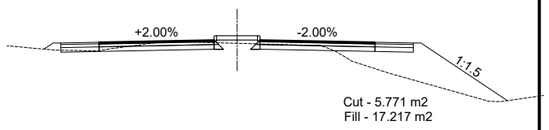
Ch:632+850
GL:122.370
DL:122.506



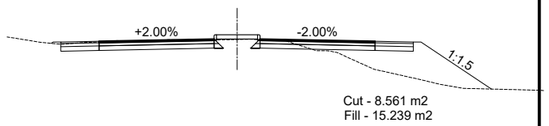
Ch:632+860
GL:122.396
DL:122.434



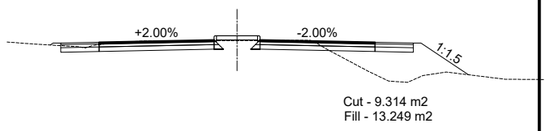
Ch:632+870
GL:122.145
DL:122.362



Ch:632+880
GL:122.259
DL:122.291

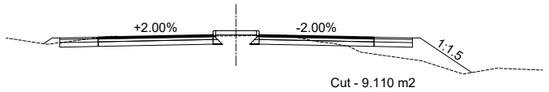


Ch:632+890
GL:122.177
DL:122.219



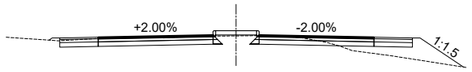
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:632+750 - 632+890	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 289
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

Ch:632+900
GL:122.088
DL:122.147



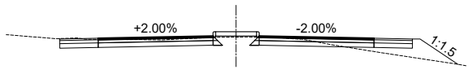
Cut - 9.110 m2
Fill - 8.176 m2

Ch:632+910
GL:122.016
DL:122.075



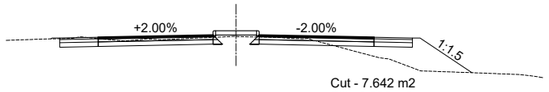
Cut - 8.816 m2
Fill - 7.200 m2

Ch:632+920
GL:121.935
DL:122.005



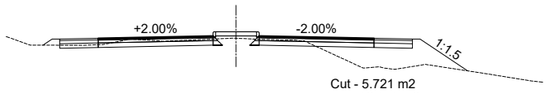
Cut - 8.557 m2
Fill - 5.667 m2

Ch:632+930
GL:121.843
DL:121.939



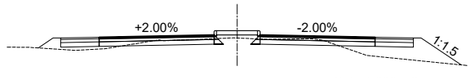
Cut - 7.642 m2
Fill - 9.998 m2

Ch:632+940
GL:121.730
DL:121.876



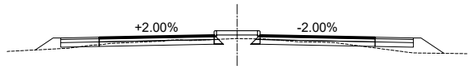
Cut - 5.721 m2
Fill - 12.141 m2

Ch:632+950
GL:121.618
DL:121.817



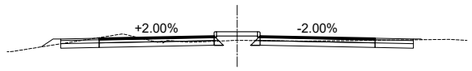
Cut - 4.399 m2
Fill - 8.916 m2

Ch:632+960
GL:121.521
DL:121.761



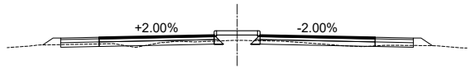
Cut - 4.372 m2
Fill - 4.835 m2

Ch:632+970
GL:121.420
DL:121.707



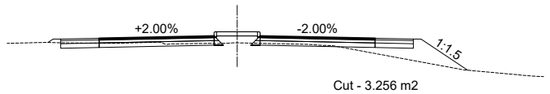
Cut - 9.467 m2
Fill - 2.498 m2

Ch:632+980
GL:121.308
DL:121.652



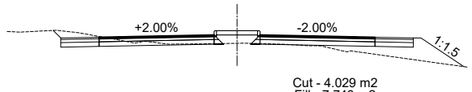
Cut - 3.193 m2
Fill - 3.016 m2

Ch:632+990
GL:121.152
DL:121.598



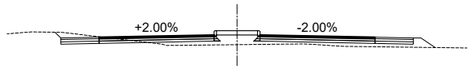
Cut - 3.256 m2
Fill - 7.289 m2

Ch:633+000
GL:120.999
DL:121.544



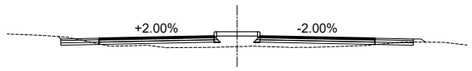
Cut - 4.029 m2
Fill - 7.740 m2

Ch:633+010
GL:120.856
DL:121.489



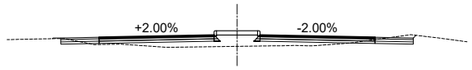
Cut - 2.276 m2
Fill - 5.824 m2

Ch:633+020
GL:120.739
DL:121.435



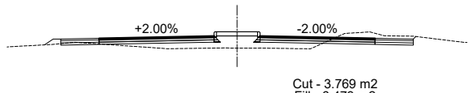
Cut - 1.105 m2
Fill - 6.026 m2

Ch:633+030
GL:120.640
DL:121.381



Cut - 1.713 m2
Fill - 5.850 m2

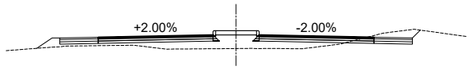
Ch:633+040
GL:120.533
DL:121.326



Cut - 3.769 m2
Fill - 6.473 m2

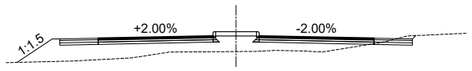
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:632+900 - 633+040	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 290

Ch:633+050
GL:120.385
DL:121.272



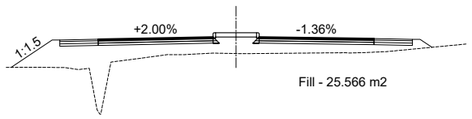
Cut - 2.544 m2
Fill - 8.648 m2

Ch:633+060
GL:120.200
DL:121.216



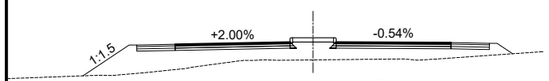
Cut - 0.886 m2
Fill - 17.399 m2

Ch:633+070
GL:120.068
DL:121.149



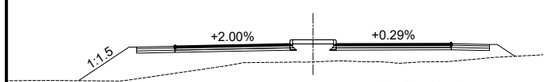
Fill - 25.566 m2

Ch:633+080
GL:119.901
DL:121.071



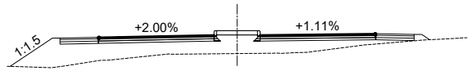
Fill - 25.308 m2

Ch:633+090
GL:119.816
DL:120.981



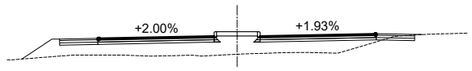
Fill - 27.918 m2

Ch:633+100
GL:119.665
DL:120.880



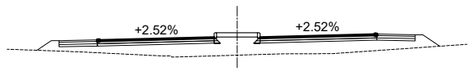
Fill - 23.264 m2

Ch:633+110
GL:119.574
DL:120.766



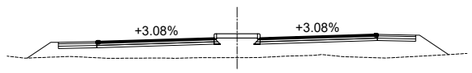
Cut - 0.506 m2
Fill - 18.634 m2

Ch:633+120
GL:119.454
DL:120.641



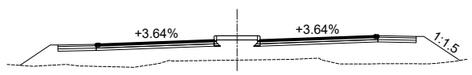
Fill - 18.976 m2

Ch:633+130
GL:119.223
DL:120.505



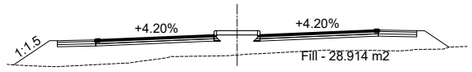
Fill - 24.437 m2

Ch:633+140
GL:119.045
DL:120.356



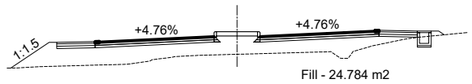
Fill - 31.835 m2

Ch:633+150
GL:118.888
DL:120.196



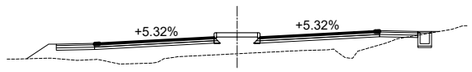
Fill - 28.914 m2

Ch:633+160
GL:118.829
DL:120.025



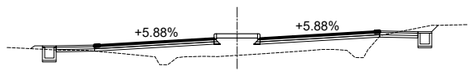
Fill - 24.784 m2

Ch:633+170
GL:118.747
DL:119.841



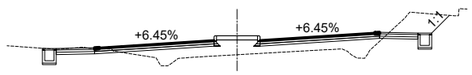
Cut - 0.058 m2
Fill - 19.659 m2

Ch:633+180
GL:118.514
DL:119.646



Cut - 1.500 m2
Fill - 13.846 m2

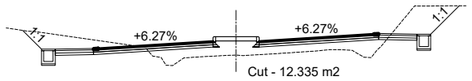
Ch:633+190
GL:118.476
DL:119.439



Cut - 5.621 m2
Fill - 11.622 m2

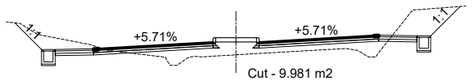
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:633+050 - 633+190	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 291

Ch:633+200
GL:118.300
DL:119.221



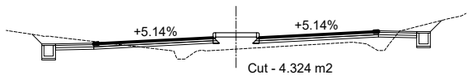
Cut - 12.335 m2
Fill - 10.791 m2

Ch:633+210
GL:118.153
DL:118.991



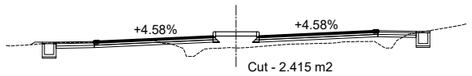
Cut - 9.981 m2
Fill - 9.301 m2

Ch:633+220
GL:117.958
DL:118.749



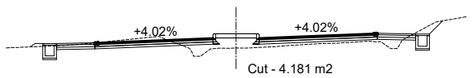
Cut - 4.324 m2
Fill - 8.150 m2

Ch:633+230
GL:117.719
DL:118.495



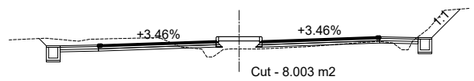
Cut - 2.415 m2
Fill - 7.082 m2

Ch:633+240
GL:117.586
DL:118.233



Cut - 4.181 m2
Fill - 5.314 m2

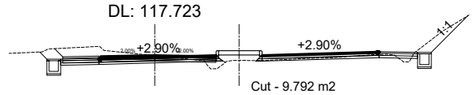
Ch:633+250
GL:117.451
DL:117.971



Cut - 8.003 m2
Fill - 3.424 m2

Ch:633+260
GL:117.378
DL:117.726

GL: 117.681
DL: 117.723

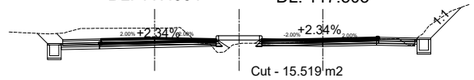


Cut - 9.792 m2
Fill - 2.369 m2

Ch:633+270
GL:117.271
DL:117.518

GL: 118.293
DL: 117.664

GL: 117.429
DL: 117.503

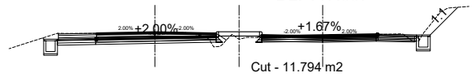


Cut - 15.519 m2
Fill - 2.134 m2

Ch:633+280
GL:117.139
DL:117.348

GL: 117.449
DL: 117.606

GL: 117.349
DL: 117.337

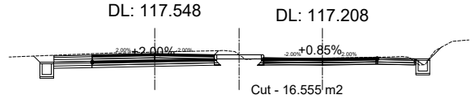


Cut - 11.794 m2
Fill - 1.950 m2

Ch:633+290
GL:117.496
DL:117.215

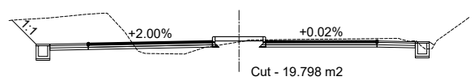
GL: 117.666
DL: 117.548

GL: 117.269
DL: 117.208



Cut - 16.555 m2
Fill - 1.908 m2

Ch:633+300
GL:117.054
DL:117.120

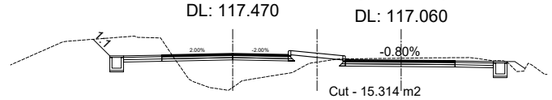


Cut - 19.798 m2
Fill - 3.529 m2

Ch:633+310
GL:116.919
DL:117.062

GL: 115.274
DL: 117.470

GL: 117.176
DL: 117.060

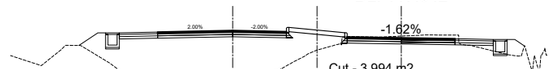


Cut - 15.314 m2
Fill - 9.304 m2

Ch:633+320
GL:116.186
DL:117.042

GL: 114.571
DL: 117.460

GL: 117.100
DL: 117.042

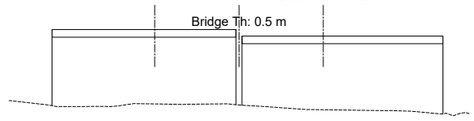


Cut - 3.994 m2
Fill - 30.956 m2

Ch:633+330
GL:112.541
DL:117.042

GL: 112.612
DL: 117.460

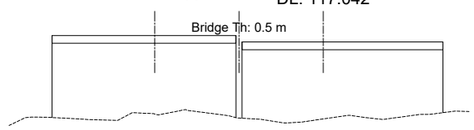
GL: 112.232
DL: 117.042



Ch:633+340
GL:112.083
DL:117.042

GL: 112.344
DL: 117.460

GL: 112.025
DL: 117.042

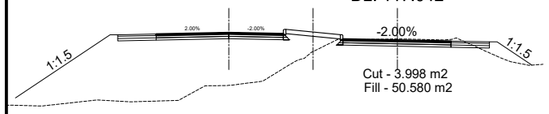


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TSE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:633+200 - 633+340	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 292
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

Ch:633+350
GL:116.222
DL:117.042

GL: 114.015
DL: 117.460

GL: 117.042
DL: 117.042

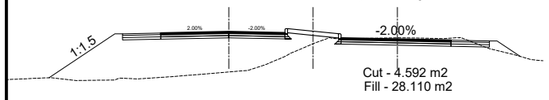


Cut - 3.998 m2
Fill - 50.580 m2

Ch:633+360
GL:116.666
DL:117.042

GL: 114.826
DL: 117.452

GL: 117.053
DL: 117.042

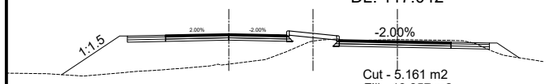


Cut - 4.592 m2
Fill - 28.110 m2

Ch:633+370
GL:116.968
DL:117.042

GL: 115.467
DL: 117.432

GL: 117.064
DL: 117.042

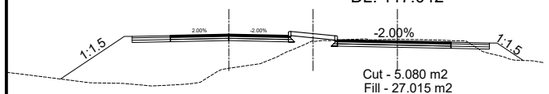


Cut - 5.161 m2
Fill - 18.857 m2

Ch:633+380
GL:116.985
DL:117.042

GL: 115.197
DL: 117.401

GL: 117.083
DL: 117.042

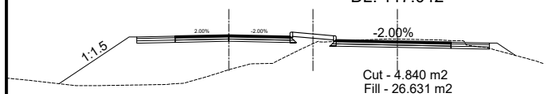


Cut - 5.080 m2
Fill - 27.015 m2

Ch:633+390
GL:116.809
DL:117.042

GL: 115.101
DL: 117.358

GL: 117.102
DL: 117.042

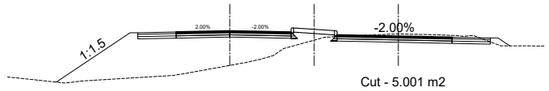


Cut - 4.840 m2
Fill - 26.631 m2

Ch:633+400
GL:116.702
DL:117.042

GL: 115.056
DL: 117.303

GL: 117.110
DL: 117.042

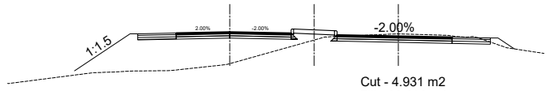


Cut - 5.001 m2
Fill - 25.110 m2

Ch:633+410
GL:116.709
DL:117.042

GL: 115.171
DL: 117.237

GL: 117.112
DL: 117.042

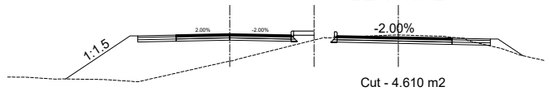


Cut - 4.931 m2
Fill - 20.696 m2

Ch:633+420
GL:116.776
DL:117.042

GL: 115.397
DL: 117.168

GL: 117.108
DL: 117.042

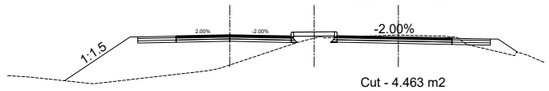


Cut - 4.610 m2
Fill - 22.697 m2

Ch:633+430
GL:116.897
DL:117.042

GL: 115.151
DL: 117.098

GL: 117.101
DL: 117.042

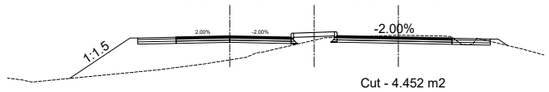


Cut - 4.463 m2
Fill - 24.712 m2

Ch:633+440
GL:116.766
DL:117.042

GL: 115.483
DL: 117.029

GL: 117.089
DL: 117.042

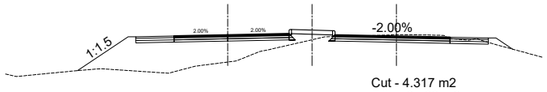


Cut - 4.452 m2
Fill - 18.597 m2

Ch:633+450
GL:116.739
DL:117.052

GL: 115.287
DL: 117.053

GL: 117.069
DL: 117.069

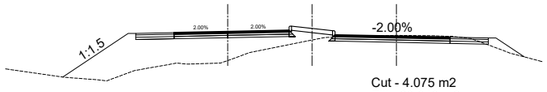


Cut - 4.317 m2
Fill - 19.488 m2

Ch:633+460
GL:116.753
DL:117.083

GL: 115.416
DL: 117.302

GL: 117.055
DL: 117.151

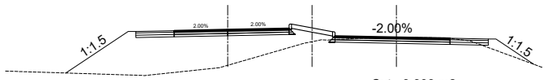


Cut - 4.075 m2
Fill - 20.043 m2

Ch:633+470
GL:116.763
DL:117.134

GL: 115.222
DL: 117.551

GL: 117.051
DL: 117.233

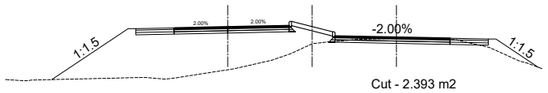


Cut - 3.303 m2
Fill - 22.602 m2

Ch:633+480
GL:116.696
DL:117.205

GL: 115.003
DL: 117.800

GL: 117.052
DL: 117.314

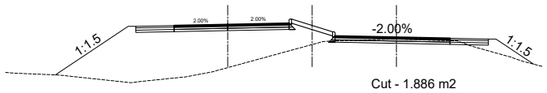


Cut - 2.393 m2
Fill - 27.757 m2

Ch:633+490
GL:116.739
DL:117.297

GL: 115.235
DL: 118.048

GL: 117.098
DL: 117.396



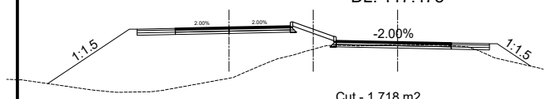
Cut - 1.886 m2
Fill - 27.554 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:633+350 - 633+490	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 293
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

Ch:633+500
GL:116.854
DL:117.410

GL: 114.959
DL: 118.284

GL: 117.164
DL: 117.478

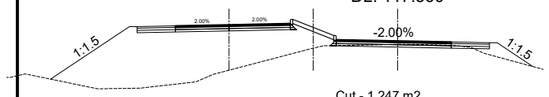


Cut - 1.718 m2
Fill - 31.935 m2

Ch:633+510
GL:116.982
DL:117.532

GL: 115.544
DL: 118.506

GL: 117.235
DL: 117.560

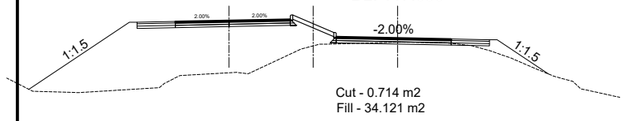


Cut - 1.247 m2
Fill - 29.041 m2

Ch:633+520
GL:117.060
DL:117.655

GL: 115.301
DL: 118.716

GL: 117.307
DL: 117.653

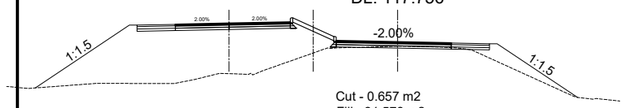


Cut - 0.714 m2
Fill - 34.121 m2

Ch:633+530
GL:116.978
DL:117.777

GL: 115.630
DL: 118.913

GL: 117.421
DL: 117.756

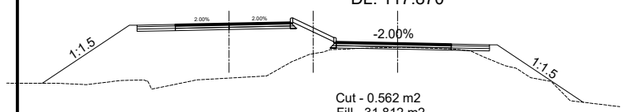


Cut - 0.657 m2
Fill - 31.576 m2

Ch:633+540
GL:117.124
DL:117.900

GL: 115.530
DL: 119.096

GL: 117.539
DL: 117.870

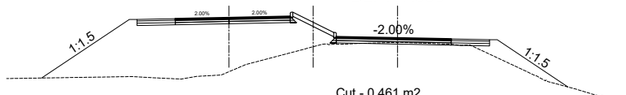


Cut - 0.562 m2
Fill - 31.812 m2

Ch:633+550
GL:117.367
DL:118.022

GL: 115.736
DL: 119.266

GL: 117.651
DL: 117.995

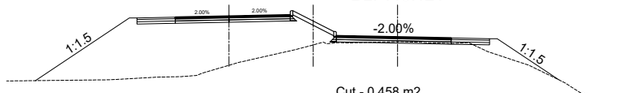


Cut - 0.461 m2
Fill - 29.525 m2

Ch:633+560
GL:117.545
DL:118.145

GL: 116.215
DL: 119.424

GL: 117.761
DL: 118.121

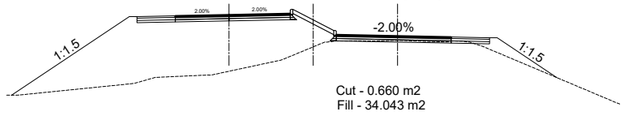


Cut - 0.458 m2
Fill - 27.704 m2

Ch:633+570
GL:117.477
DL:118.267

GL: 115.884
DL: 119.568

GL: 117.902
DL: 118.248

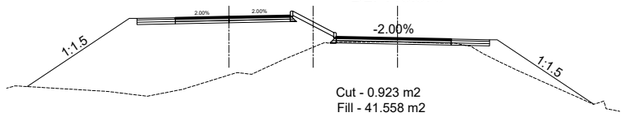


Cut - 0.660 m2
Fill - 34.043 m2

Ch:633+580
GL:117.701
DL:118.386

GL: 115.888
DL: 119.699

GL: 118.056
DL: 118.373

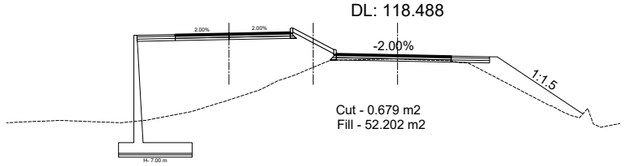


Cut - 0.923 m2
Fill - 41.558 m2

Ch:633+590
GL:117.606
DL:118.492

GL: 115.478
DL: 119.817

GL: 118.159
DL: 118.488

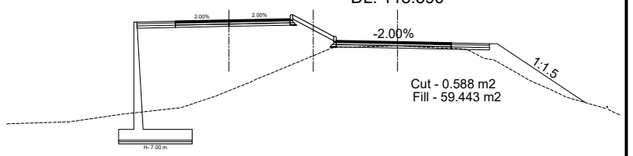


Cut - 0.679 m2
Fill - 52.202 m2

Ch:633+600
GL:117.605
DL:118.588

GL: 115.324
DL: 119.921

GL: 118.248
DL: 118.590

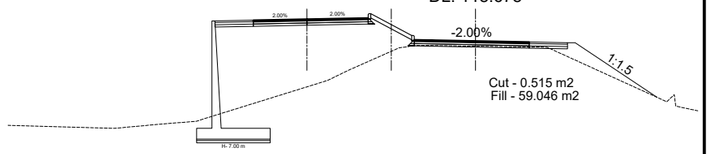


Cut - 0.588 m2
Fill - 59.443 m2

Ch:633+610
GL:117.913
DL:118.671

GL: 115.597
DL: 120.013

GL: 118.248
DL: 118.678

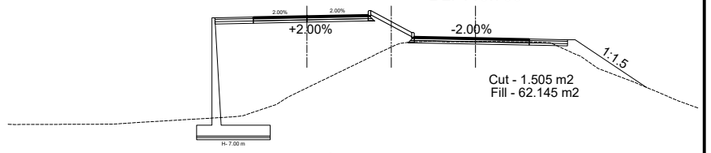


Cut - 0.515 m2
Fill - 59.046 m2

Ch:633+620
GL:118.065
DL:118.743

GL: 115.406
DL: 120.092

GL: 118.420
DL: 118.753

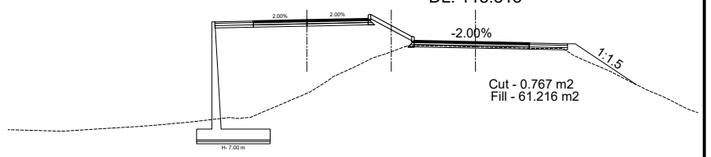


Cut - 1.505 m2
Fill - 62.145 m2

Ch:633+630
GL:118.085
DL:118.803

GL: 115.375
DL: 120.157

GL: 118.397
DL: 118.815

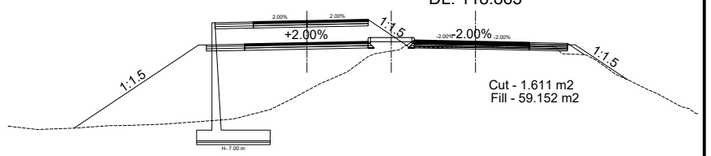


Cut - 0.767 m2
Fill - 61.216 m2

Ch:633+640
GL:118.244
DL:118.851

GL: 115.655
DL: 120.210

GL: 118.521
DL: 118.863



Cut - 1.611 m2
Fill - 59.152 m2

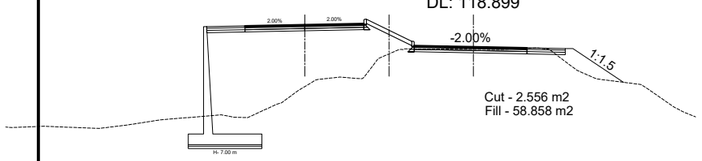
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:633+500 - 633+640	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 294

Ch:633+650

GL:118.346
DL:118.888

GL: 116.207
DL: 120.249

GL: 118.641
DL: 118.899

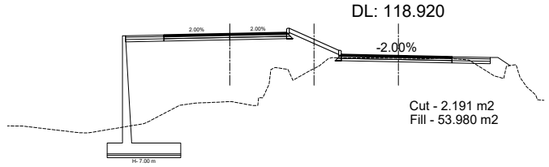


Ch:633+660

GL:117.998
DL:118.913

GL: 115.843
DL: 120.275

GL: 118.672
DL: 118.920

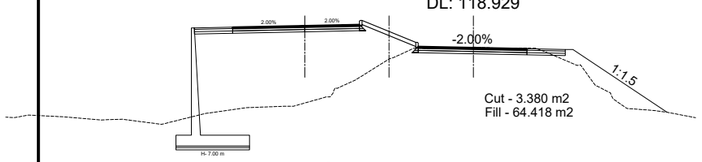


Ch:633+670

GL:118.113
DL:118.927

GL: 115.245
DL: 120.288

GL: 118.888
DL: 118.929

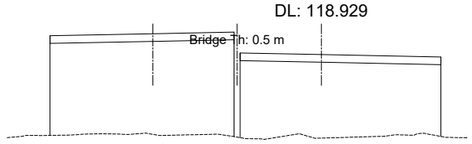


Ch:633+680

GL:113.548
DL:118.929

GL: 113.730
DL: 120.290

GL: 113.483
DL: 118.929

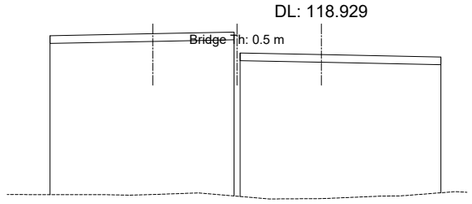


Ch:633+690

GL:109.697
DL:118.929

GL: 109.805
DL: 120.290

GL: 109.538
DL: 118.929

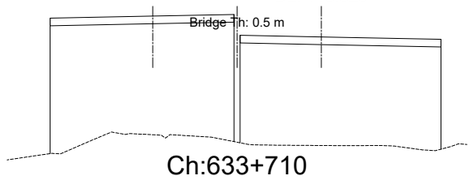


Ch:633+700

GL:112.065
DL:118.929

GL: 112.553
DL: 120.290

GL: 111.850
DL: 118.929

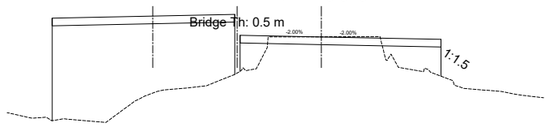


Ch:633+710

GL:116.570
DL:118.929

GL: 115.271
DL: 120.290

GL: 118.939
DL: 118.929

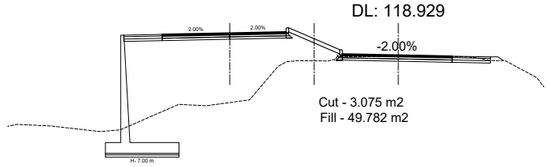


Ch:633+720

GL:118.480
DL:118.929

GL: 115.761
DL: 120.290

GL: 118.753
DL: 118.929

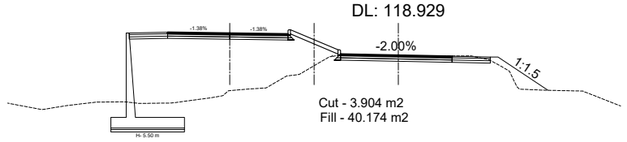


Ch:633+730

GL:118.161
DL:118.929

GL: 116.539
DL: 120.290

GL: 118.837
DL: 118.929

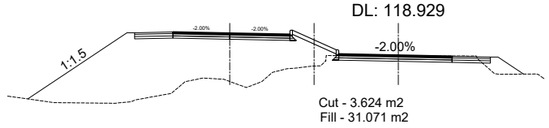


Ch:633+740

GL:118.147
DL:118.929

GL: 117.139
DL: 120.290

GL: 118.808
DL: 118.929

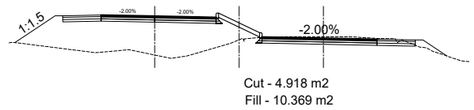


Ch:633+750

GL:118.745
DL:118.929

GL: 117.750
DL: 120.290

GL: 118.938
DL: 118.929

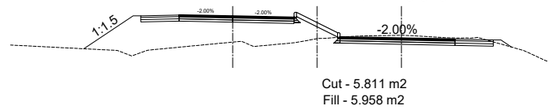


Ch:633+760

GL:118.816
DL:118.929

GL: 118.594
DL: 120.289

GL: 119.040
DL: 118.929

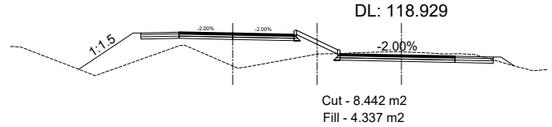


Ch:633+770

GL:118.919
DL:118.929

GL: 118.144
DL: 120.278

GL: 119.072
DL: 118.929

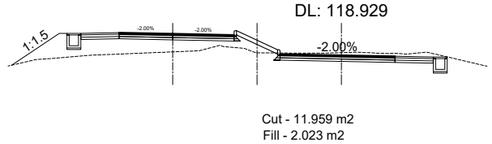


Ch:633+780

GL:119.007
DL:118.929

GL: 119.068
DL: 120.252

GL: 119.016
DL: 118.929

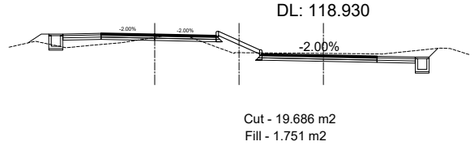


Ch:633+790

GL:119.017
DL:118.929

GL: 120.011
DL: 120.211

GL: 118.968
DL: 118.930



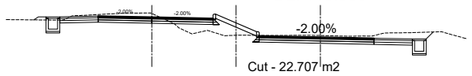
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TSE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:633+650 - 633+790	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 295

Ch:633+800

GL:118.975
DL:118.930

GL: 120.391
DL: 120.155

GL: 118.957
DL: 118.930



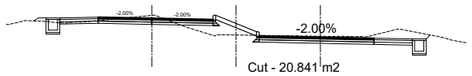
Cut - 22.707 m2
Fill - 1.751 m2

Ch:633+810

GL:118.992
DL:118.930

GL: 120.270
DL: 120.085

GL: 118.912
DL: 118.931



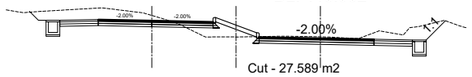
Cut - 20.841 m2
Fill - 1.751 m2

Ch:633+820

GL:118.932
DL:118.931

GL: 120.336
DL: 120.001

GL: 118.939
DL: 118.932



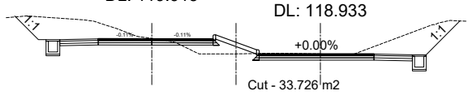
Cut - 27.589 m2
Fill - 1.751 m2

Ch:633+830

GL:118.940
DL:118.931

GL: 119.949
DL: 119.913

GL: 118.937
DL: 118.933



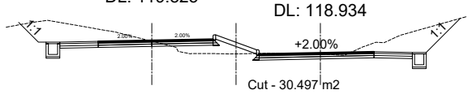
Cut - 33.726 m2
Fill - 1.751 m2

Ch:633+840

GL:118.945
DL:118.932

GL: 119.767
DL: 119.825

GL: 118.924
DL: 118.934



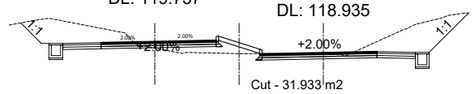
Cut - 30.497 m2
Fill - 1.751 m2

Ch:633+850

GL:118.953
DL:118.932

GL: 119.309
DL: 119.737

GL: 118.917
DL: 118.935



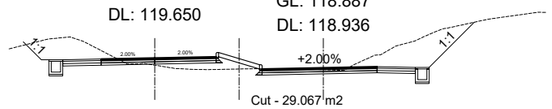
Cut - 31.933 m2
Fill - 1.751 m2

Ch:633+860

GL:118.929
DL:118.933

GL: 119.181
DL: 119.650

GL: 118.887
DL: 118.936



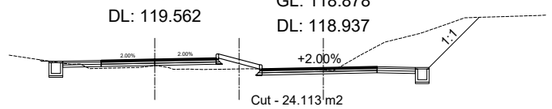
Cut - 29.067 m2
Fill - 1.751 m2

Ch:633+870

GL:118.936
DL:118.933

GL: 119.149
DL: 119.562

GL: 118.878
DL: 118.937



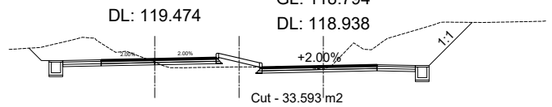
Cut - 24.113 m2
Fill - 1.751 m2

Ch:633+880

GL:118.940
DL:118.934

GL: 119.245
DL: 119.474

GL: 118.794
DL: 118.938



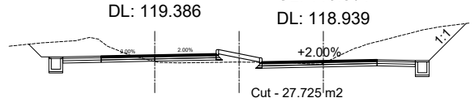
Cut - 33.593 m2
Fill - 1.751 m2

Ch:633+890

GL:118.931
DL:118.934

GL: 118.971
DL: 119.386

GL: 118.861
DL: 118.939



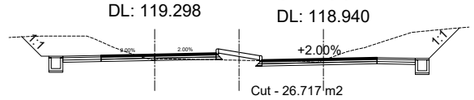
Cut - 27.725 m2
Fill - 1.751 m2

Ch:633+900

GL:118.914
DL:118.935

GL: 118.944
DL: 119.298

GL: 118.922
DL: 118.940



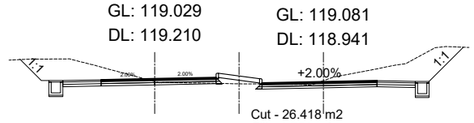
Cut - 26.717 m2
Fill - 1.751 m2

Ch:633+910

GL:118.879
DL:118.935

GL: 119.029
DL: 119.210

GL: 119.081
DL: 118.941



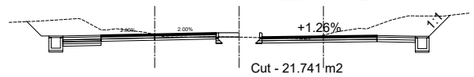
Cut - 26.418 m2
Fill - 1.751 m2

Ch:633+920

GL:118.928
DL:118.936

GL: 119.094
DL: 119.122

GL: 119.055
DL: 118.942



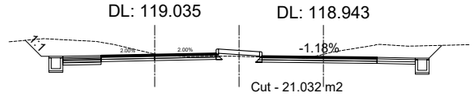
Cut - 21.741 m2
Fill - 1.751 m2

Ch:633+930

GL:118.911
DL:118.936

GL: 119.060
DL: 119.035

GL: 119.046
DL: 118.943



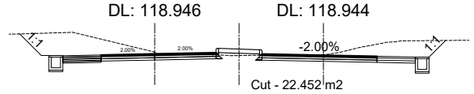
Cut - 21.032 m2
Fill - 1.751 m2

Ch:633+940

GL:118.833
DL:118.937

GL: 119.065
DL: 118.946

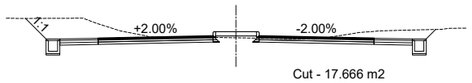
GL: 118.876
DL: 118.944



Cut - 22.452 m2
Fill - 1.751 m2

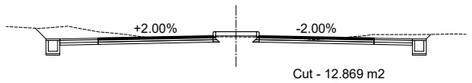
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TSE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:633+800 - 633+940	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 296

Ch:633+950
GL:118.816
DL:118.937



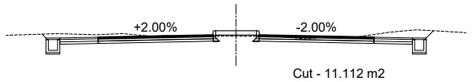
Cut - 17.666 m2
Fill - 1.751 m2

Ch:633+960
GL:118.876
DL:118.938



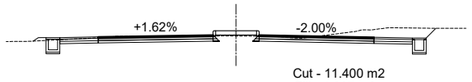
Cut - 12.869 m2
Fill - 1.751 m2

Ch:633+970
GL:118.863
DL:118.938



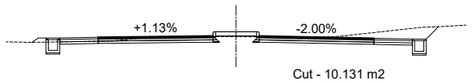
Cut - 11.112 m2
Fill - 1.751 m2

Ch:633+980
GL:118.872
DL:118.939



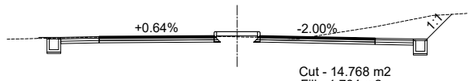
Cut - 11.400 m2
Fill - 1.887 m2

Ch:633+990
GL:118.895
DL:118.939



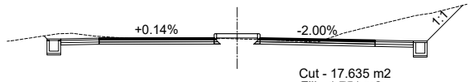
Cut - 10.131 m2
Fill - 1.943 m2

Ch:634+000
GL:118.881
DL:118.940



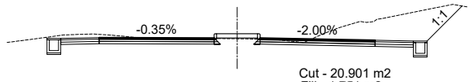
Cut - 14.768 m2
Fill - 1.784 m2

Ch:634+010
GL:118.882
DL:118.940



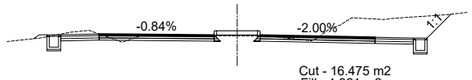
Cut - 17.635 m2
Fill - 1.751 m2

Ch:634+020
GL:118.892
DL:118.941



Cut - 20.901 m2
Fill - 1.751 m2

Ch:634+030
GL:118.878
DL:118.942

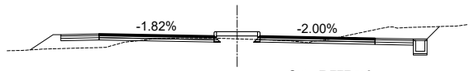


Cut - 16.475 m2
Fill - 1.921 m2

Ch:634+040
GL:118.823
DL:118.942

Cut - 13.338 m2
Fill - 2.216 m2

Ch:634+050
GL:118.753
DL:118.943

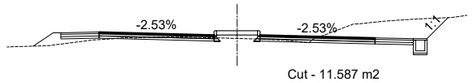


Cut - 7.777 m2
Fill - 4.764 m2

Ch:634+060
GL:118.738
DL:118.943

Cut - 8.423 m2
Fill - 4.555 m2

Ch:634+070
GL:118.714
DL:118.944

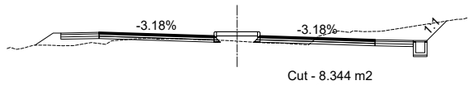


Cut - 11.587 m2
Fill - 3.226 m2

Ch:634+080
GL:118.675
DL:118.944

Cut - 12.021 m2
Fill - 2.721 m2

Ch:634+090
GL:118.608
DL:118.945



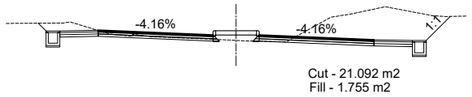
Cut - 8.344 m2
Fill - 3.982 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:633+950 - 634+090	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 297

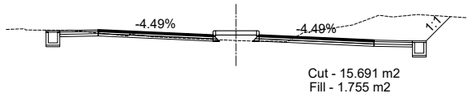
Ch:634+100
GL:118.573
DL:118.941

Ch:634+110
GL:118.582
DL:118.931

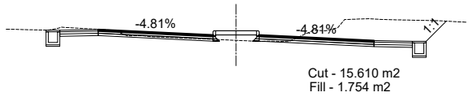
Ch:634+120
GL:118.559
DL:118.913



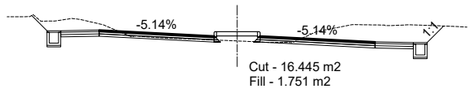
Ch:634+130
GL:118.530
DL:118.889



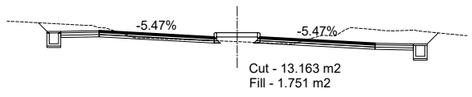
Ch:634+140
GL:118.511
DL:118.859



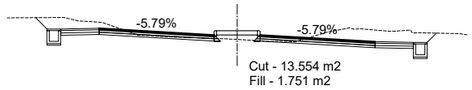
Ch:634+150
GL:118.495
DL:118.821



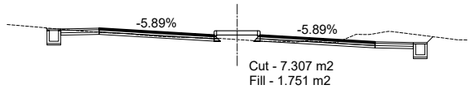
Ch:634+160
GL:118.475
DL:118.781



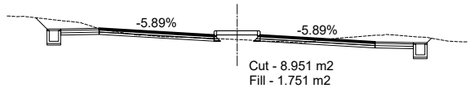
Ch:634+170
GL:118.455
DL:118.740



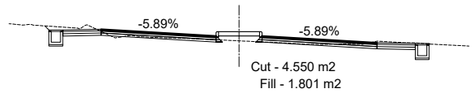
Ch:634+180
GL:118.403
DL:118.700



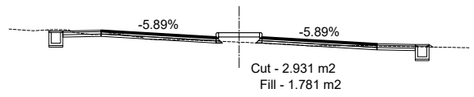
Ch:634+190
GL:118.363
DL:118.659



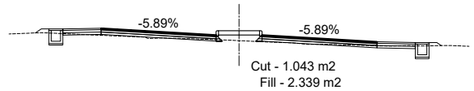
Ch:634+200
GL:118.301
DL:118.619



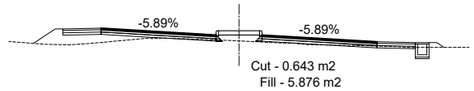
Ch:634+210
GL:118.239
DL:118.579



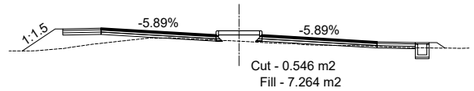
Ch:634+220
GL:118.170
DL:118.538



Ch:634+230
GL:118.112
DL:118.498

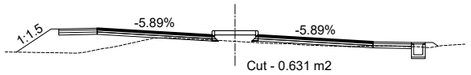


Ch:634+240
GL:118.057
DL:118.457



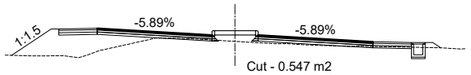
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:634+100 - 634+240	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 298

Ch:634+250
GL:117.998
DL:118.417



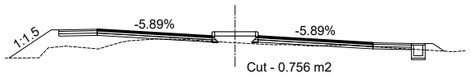
Cut - 0.631 m2
Fill - 9.847 m2

Ch:634+260
GL:117.959
DL:118.377



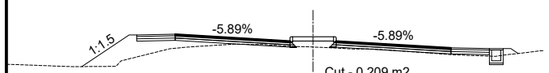
Cut - 0.547 m2
Fill - 11.148 m2

Ch:634+270
GL:117.893
DL:118.336



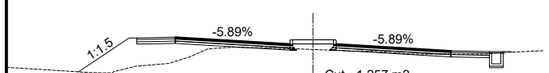
Cut - 0.756 m2
Fill - 8.535 m2

Ch:634+280
GL:117.902
DL:118.296



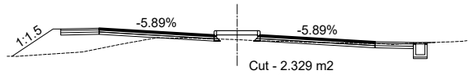
Cut - 0.209 m2
Fill - 8.926 m2

Ch:634+290
GL:117.898
DL:118.255



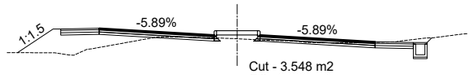
Cut - 1.257 m2
Fill - 11.534 m2

Ch:634+300
GL:117.907
DL:118.215



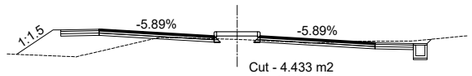
Cut - 2.329 m2
Fill - 9.262 m2

Ch:634+310
GL:117.927
DL:118.175



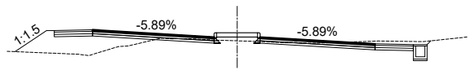
Cut - 3.548 m2
Fill - 8.680 m2

Ch:634+320
GL:117.908
DL:118.134



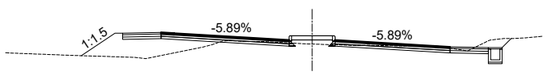
Cut - 4.433 m2
Fill - 9.668 m2

Ch:634+330
GL:117.844
DL:118.094



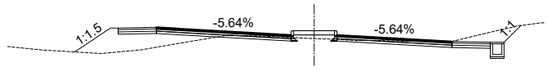
Cut - 4.779 m2
Fill - 9.207 m2

Ch:634+340
GL:117.789
DL:118.053



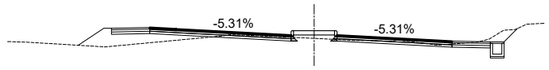
Cut - 4.596 m2
Fill - 9.482 m2

Ch:634+350
GL:117.776
DL:118.013



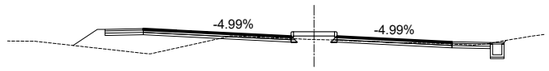
Cut - 6.071 m2
Fill - 8.881 m2

Ch:634+360
GL:117.751
DL:117.973



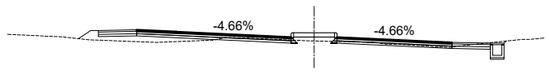
Cut - 4.386 m2
Fill - 6.301 m2

Ch:634+370
GL:117.701
DL:117.932



Cut - 3.448 m2
Fill - 9.285 m2

Ch:634+380
GL:117.634
DL:117.892



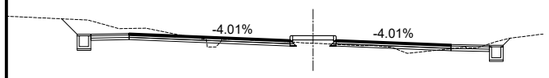
Cut - 2.868 m2
Fill - 4.275 m2

Ch:634+390
GL:117.611
DL:117.851

Cut - 5.252 m2
Fill - 2.942 m2

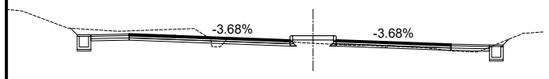
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and GE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:634+250 - 634+390	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 299

Ch:634+400
GL:117.596
DL:117.811



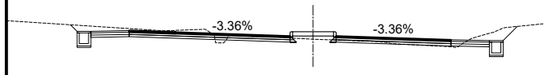
Cut - 9.674 m2
Fill - 2.338 m2

Ch:634+410
GL:117.556
DL:117.771



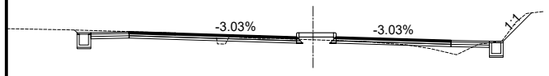
Cut - 8.592 m2
Fill - 2.013 m2

Ch:634+420
GL:117.518
DL:117.730



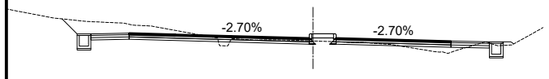
Cut - 9.102 m2
Fill - 1.983 m2

Ch:634+430
GL:117.508
DL:117.690



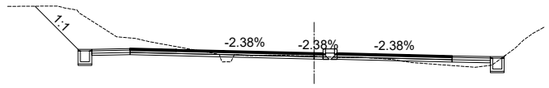
Cut - 6.584 m2
Fill - 2.565 m2

Ch:634+440
GL:117.457
DL:117.649



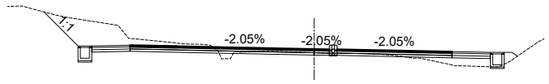
Cut - 9.985 m2
Fill - 2.099 m2

Ch:634+450
GL:117.383
DL:117.609



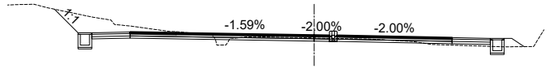
Cut - 14.730 m2
Fill - 1.684 m2

Ch:634+460
GL:117.318
DL:117.569



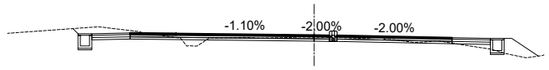
Cut - 12.707 m2
Fill - 2.691 m2

Ch:634+470
GL:117.335
DL:117.528



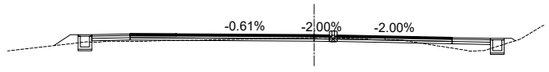
Cut - 9.741 m2
Fill - 1.245 m2

Ch:634+480
GL:117.341
DL:117.488



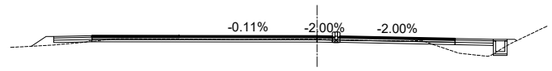
Cut - 6.328 m2
Fill - 2.457 m2

Ch:634+490
GL:117.274
DL:117.447



Cut - 2.381 m2
Fill - 2.458 m2

Ch:634+500
GL:117.189
DL:117.407



Cut - 3.812 m2
Fill - 2.881 m2

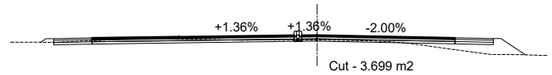
Ch:634+510
GL:117.037
DL:117.367

Cut - 8.164 m2
Fill - 3.711 m2

Ch:634+520
GL:116.992
DL:117.326

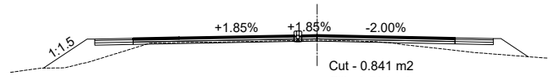
Cut - 13.915 m2
Fill - 0.148 m2

Ch:634+530
GL:116.959
DL:117.286



Cut - 3.699 m2
Fill - 3.504 m2

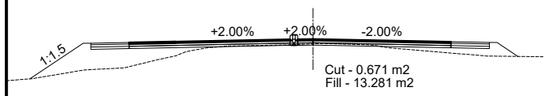
Ch:634+540
GL:116.905
DL:117.245



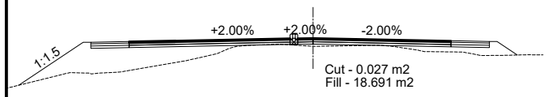
Cut - 0.841 m2
Fill - 8.584 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:634+400 - 634+540	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 300

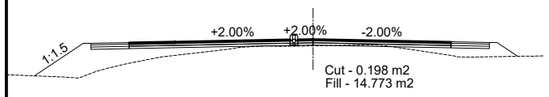
Ch:634+550
GL:116.885
DL:117.205



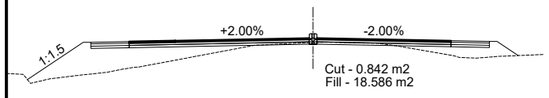
Ch:634+560
GL:116.621
DL:117.165



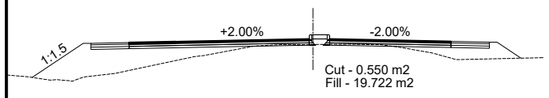
Ch:634+570
GL:116.676
DL:117.124



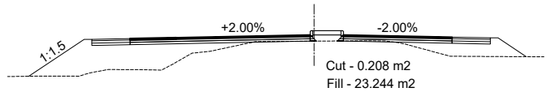
Ch:634+580
GL:116.801
DL:117.084



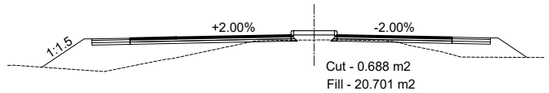
Ch:634+590
GL:116.689
DL:117.043



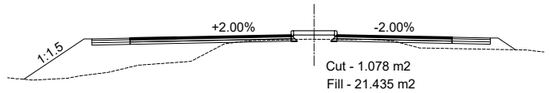
Ch:634+600
GL:116.600
DL:117.003



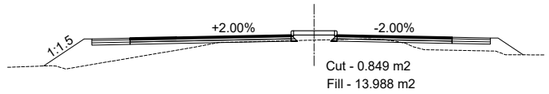
Ch:634+610
GL:116.634
DL:116.963



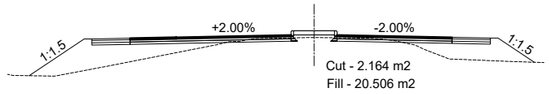
Ch:634+620
GL:116.643
DL:116.922



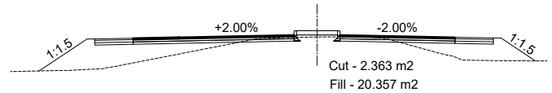
Ch:634+630
GL:116.547
DL:116.882



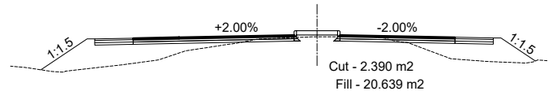
Ch:634+640
GL:116.677
DL:116.841



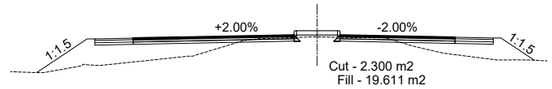
Ch:634+650
GL:116.676
DL:116.808



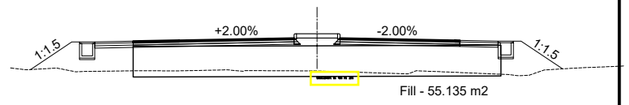
Ch:634+660
GL:116.670
DL:116.792



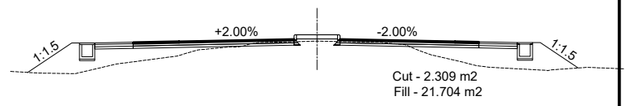
Ch:634+670
GL:116.669
DL:116.791



Ch:634+680
GL:114.658
DL:116.807



Ch:634+690
GL:116.694
DL:116.832



Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:634+550 - 634+690	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 301

Ch:634+700
GL:116.724
DL:116.857

Cut - 2.430 m2
Fill - 21.790 m2

Ch:634+710
GL:116.763
DL:116.882

Cut - 2.349 m2
Fill - 26.024 m2

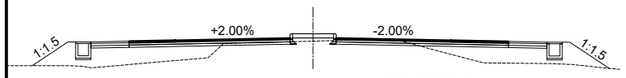
Ch:634+720
GL:116.808
DL:116.906

Cut - 2.527 m2
Fill - 20.631 m2

Ch:634+730
GL:116.718
DL:116.936

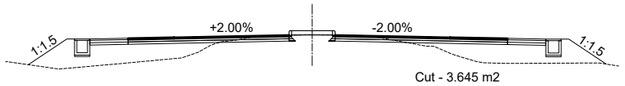
Cut - 2.279 m2
Fill - 28.801 m2

Ch:634+740
GL:116.771
DL:116.975



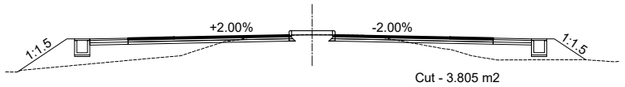
Cut - 2.616 m2
Fill - 22.189 m2

Ch:634+750
GL:117.036
DL:117.024



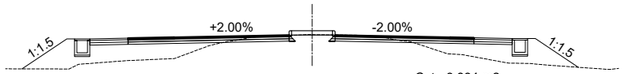
Cut - 3.645 m2
Fill - 24.910 m2

Ch:634+760
GL:117.107
DL:117.083



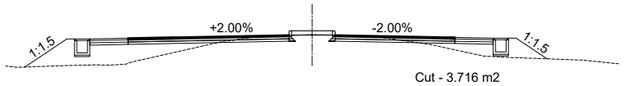
Cut - 3.805 m2
Fill - 20.370 m2

Ch:634+770
GL:117.172
DL:117.151



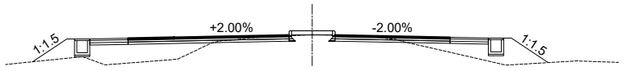
Cut - 3.834 m2
Fill - 21.662 m2

Ch:634+780
GL:117.247
DL:117.225



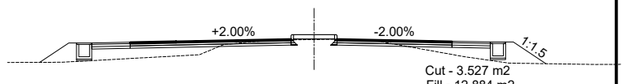
Cut - 3.716 m2
Fill - 16.413 m2

Ch:634+790
GL:117.316
DL:117.299



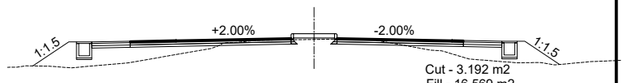
Cut - 3.690 m2
Fill - 17.967 m2

Ch:634+800
GL:117.334
DL:117.372



Cut - 3.527 m2
Fill - 12.884 m2

Ch:634+810
GL:117.347
DL:117.446

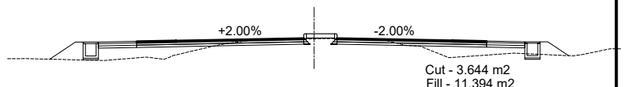


Cut - 3.192 m2
Fill - 16.569 m2

Ch:634+820
GL:117.417
DL:117.519

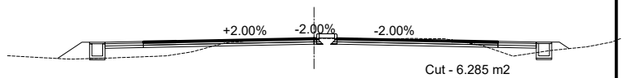
Cut - 3.205 m2
Fill - 16.047 m2

Ch:634+830
GL:117.539
DL:117.593



Cut - 3.644 m2
Fill - 11.394 m2

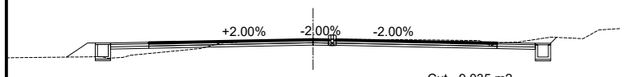
Ch:634+840
GL:117.646
DL:117.666



Cut - 6.285 m2
Fill - 7.018 m2

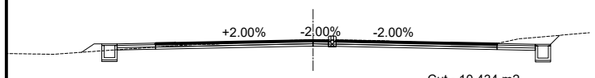
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:634+700 - 634+840	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 302

Ch:634+850
GL:117.745
DL:117.740



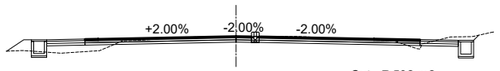
Cut - 9.035 m2
Fill - 3.027 m2

Ch:634+860
GL:117.823
DL:117.813



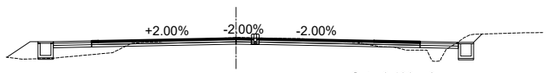
Cut - 10.434 m2
Fill - 0.522 m2

Ch:634+870
GL:117.845
DL:117.887



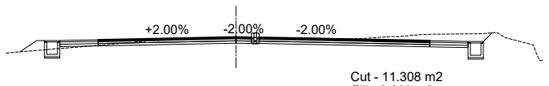
Cut - 7.592 m2
Fill - 2.652 m2

Ch:634+880
GL:117.988
DL:117.960



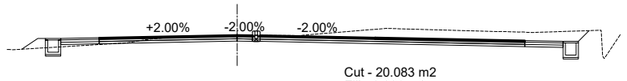
Cut - 6.199 m2
Fill - 4.879 m2

Ch:634+890
GL:118.001
DL:118.034



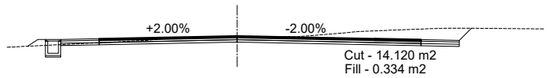
Cut - 11.308 m2
Fill - 0.880 m2

Ch:634+900
GL:118.091
DL:118.108



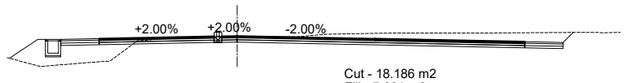
Cut - 20.083 m2
Fill - 0.999 m2

Ch:634+910
GL:118.159
DL:118.181



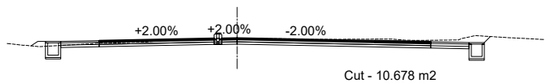
Cut - 14.120 m2
Fill - 0.334 m2

Ch:634+920
GL:118.228
DL:118.255



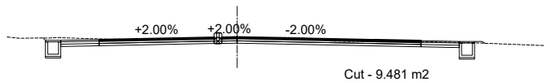
Cut - 18.186 m2
Fill - 7.661 m2

Ch:634+930
GL:118.298
DL:118.328



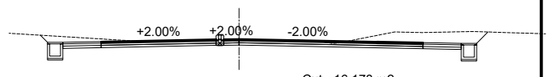
Cut - 10.678 m2
Fill - 0.328 m2

Ch:634+940
GL:118.359
DL:118.399



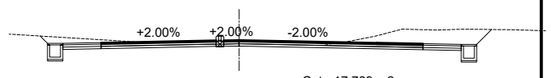
Cut - 9.481 m2
Fill - 0.147 m2

Ch:634+950
GL:118.400
DL:118.464



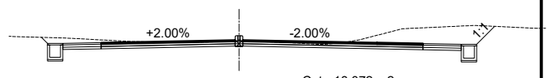
Cut - 16.178 m2
Fill - 0.086 m2

Ch:634+960
GL:118.441
DL:118.523



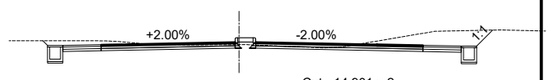
Cut - 17.789 m2
Fill - 0.086 m2

Ch:634+970
GL:118.488
DL:118.577



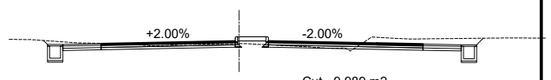
Cut - 18.072 m2
Fill - 0.086 m2

Ch:634+980
GL:118.451
DL:118.626



Cut - 14.901 m2
Fill - 0.637 m2

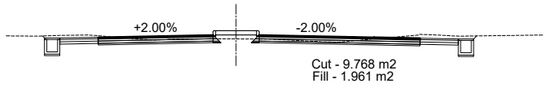
Ch:634+990
GL:118.498
DL:118.669



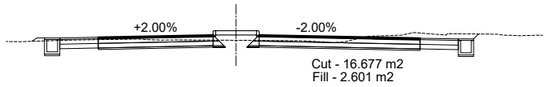
Cut - 9.989 m2
Fill - 1.236 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:634+850 - 634+990	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 303

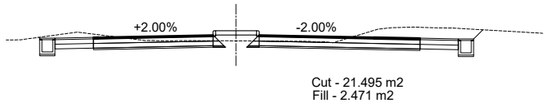
Ch:635+000
GL:118.452
DL:118.710



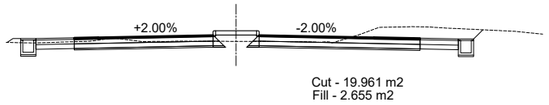
Ch:635+010
GL:118.403
DL:118.751



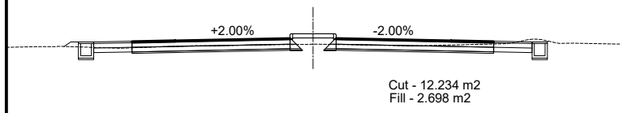
Ch:635+020
GL:118.409
DL:118.792



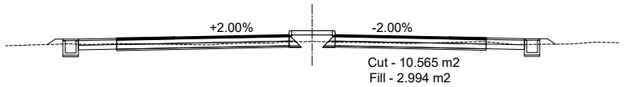
Ch:635+030
GL:118.417
DL:118.833



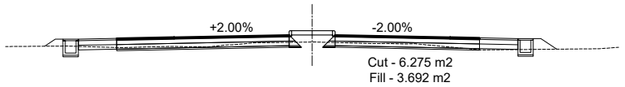
Ch:635+040
GL:118.471
DL:118.873



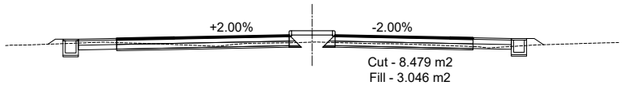
Ch:635+050
GL:118.482
DL:118.914



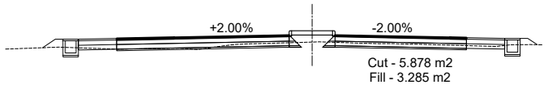
Ch:635+060
GL:118.493
DL:118.955



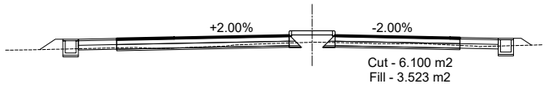
Ch:635+070
GL:118.530
DL:118.996



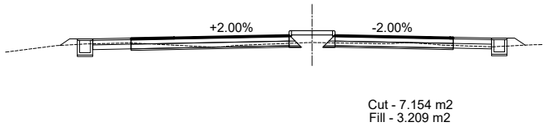
Ch:635+080
GL:118.577
DL:119.037



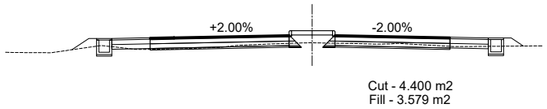
Ch:635+090
GL:118.603
DL:119.078



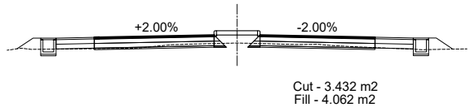
Ch:635+100
GL:118.626
DL:119.119



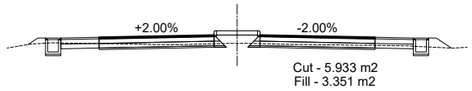
Ch:635+110
GL:118.648
DL:119.159



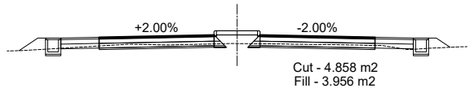
Ch:635+120
GL:118.672
DL:119.200



Ch:635+130
GL:118.697
DL:119.241

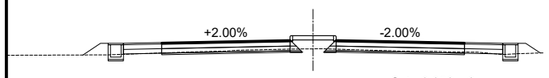


Ch:635+140
GL:118.721
DL:119.278



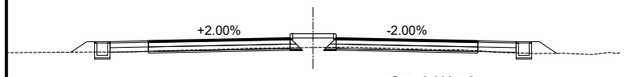
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:635+000 - 635+140	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 304
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

Ch:635+150
GL:118.729
DL:119.311



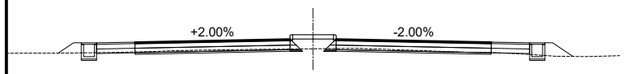
Cut - 3.656 m2
Fill - 3.953 m2

Ch:635+160
GL:118.711
DL:119.338



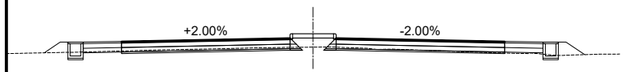
Cut - 3.696 m2
Fill - 4.061 m2

Ch:635+170
GL:118.720
DL:119.360



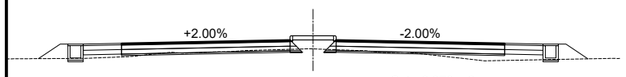
Cut - 3.957 m2
Fill - 4.176 m2

Ch:635+180
GL:118.779
DL:119.376



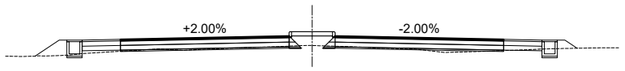
Cut - 4.091 m2
Fill - 4.266 m2

Ch:635+190
GL:118.810
DL:119.391



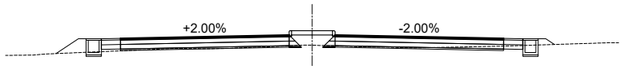
Cut - 2.379 m2
Fill - 7.482 m2

Ch:635+200
GL:118.783
DL:119.407



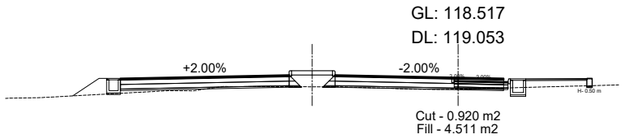
Cut - 1.876 m2
Fill - 4.879 m2

Ch:635+210
GL:118.755
DL:119.422



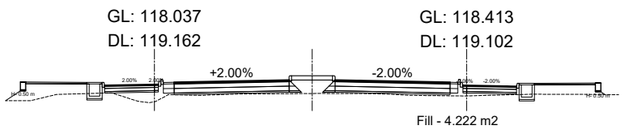
Cut - 2.384 m2
Fill - 4.058 m2

Ch:635+220
GL:118.667
DL:119.437



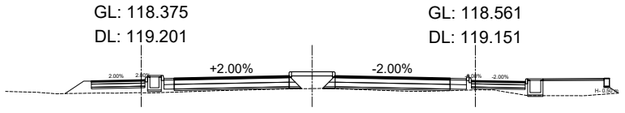
Cut - 0.920 m2
Fill - 4.511 m2

Ch:635+230
GL:118.571
DL:119.452



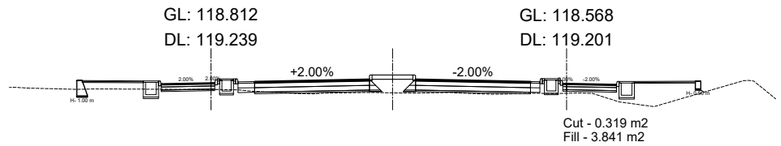
Fill - 4.222 m2

Ch:635+240
GL:118.647
DL:119.467



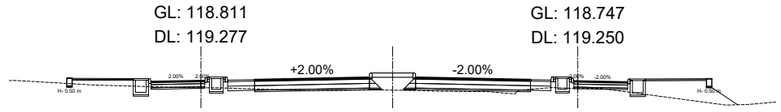
Fill - 4.029 m2

Ch:635+250
GL:118.597
DL:119.482



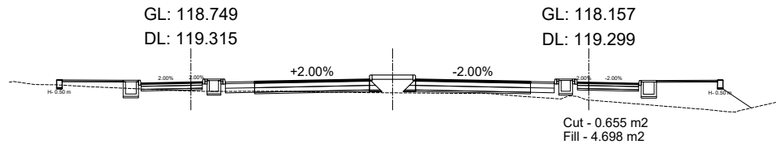
Cut - 0.319 m2
Fill - 3.841 m2

Ch:635+260
GL:118.655
DL:119.497



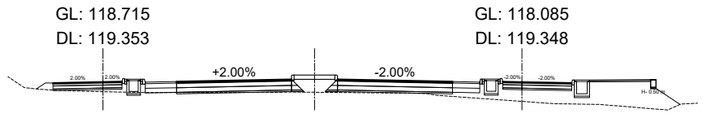
Cut - 0.873 m2
Fill - 3.507 m2

Ch:635+270
GL:118.628
DL:119.512



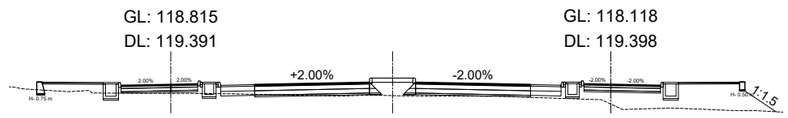
Cut - 0.655 m2
Fill - 4.698 m2

Ch:635+280
GL:118.682
DL:119.526



Cut - 0.198 m2
Fill - 4.490 m2

Ch:635+290
GL:118.668
DL:119.537



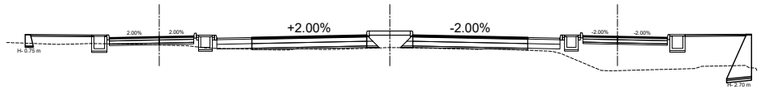
Cut - 0.594 m2
Fill - 3.907 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TSE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:635+150 - 635+290	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 305

Ch:635+300
GL:118.736
DL:119.542

GL: 118.906
DL: 119.430

GL: 117.227
DL: 119.447



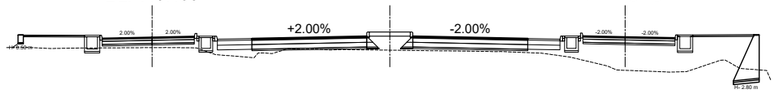
Fill - 4.523 m2

Ch:635+310
GL:118.631
DL:119.542

Cut - 0.050 m2

GL: 118.797
DL: 119.468

GL: 117.317
DL: 119.494



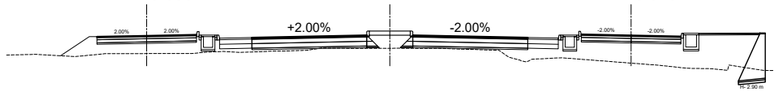
Fill - 6.800 m2

Ch:635+320
GL:118.685
DL:119.536

Cut - 0.090 m2

GL: 118.339
DL: 119.506

GL: 117.716
DL: 119.529



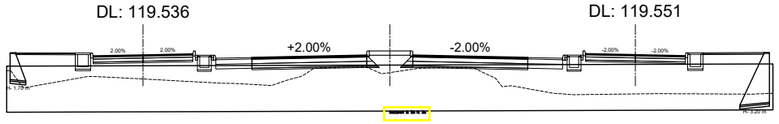
Fill - 7.557 m2

Ch:635+330
GL:118.395
DL:119.526

Cut - 0.008 m2

GL: 117.977
DL: 119.536

GL: 117.002
DL: 119.551



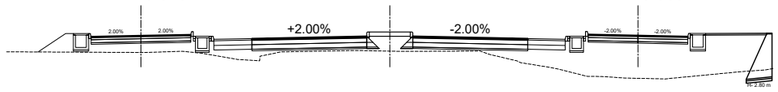
Fill - 18.167 m2

Ch:635+340
GL:118.538
DL:119.510

Cut - 0.248 m2

GL: 118.452
DL: 119.548

GL: 116.766
DL: 119.560

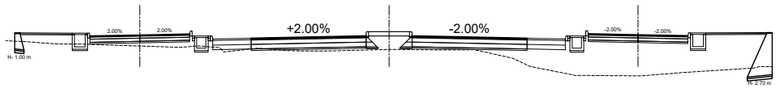


Fill - 13.101 m2

Ch:635+350
GL:118.610
DL:119.489

GL: 118.831
DL: 119.542

GL: 116.886
DL: 119.557

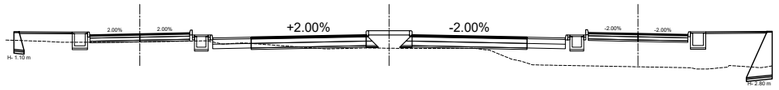


Cut - 0.230 m2
Fill - 10.881 m2

Ch:635+360
GL:118.597
DL:119.463

GL: 119.009
DL: 119.519

GL: 117.387
DL: 119.542

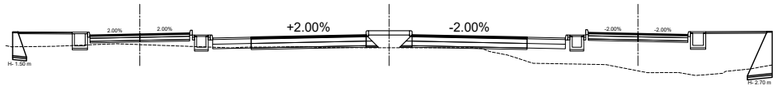


Cut - 1.681 m2
Fill - 8.605 m2

Ch:635+370
GL:118.602
DL:119.431

GL: 118.803
DL: 119.478

GL: 117.091
DL: 119.513

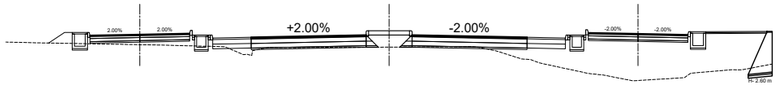


Cut - 0.811 m2
Fill - 7.793 m2

Ch:635+380
GL:118.602
DL:119.395

GL: 118.763
DL: 119.428

GL: 116.427
DL: 119.472

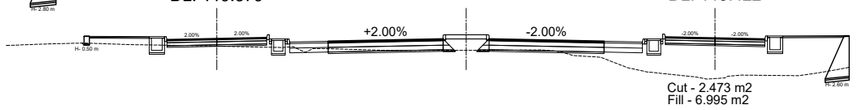


Cut - 0.815 m2
Fill - 8.570 m2

Ch:635+390
GL:118.620
DL:119.358

GL: 118.891
DL: 119.379

GL: 116.779
DL: 119.422

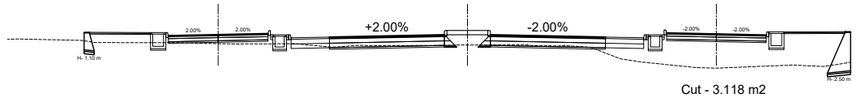


Cut - 2.473 m2
Fill - 6.995 m2

Ch:635+400
GL:118.652
DL:119.321

GL: 118.742
DL: 119.329

GL: 117.142
DL: 119.370

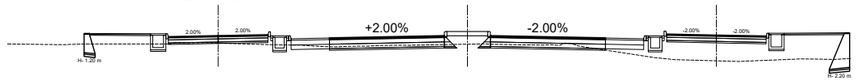


Cut - 3.118 m2
Fill - 5.784 m2

Ch:635+410
GL:118.734
DL:119.283

GL: 118.800
DL: 119.279

GL: 117.650
DL: 119.318

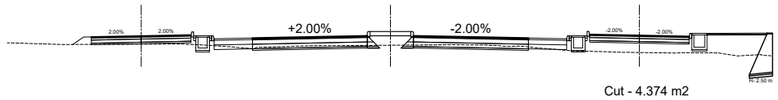


Cut - 4.865 m2
Fill - 4.018 m2

Ch:635+420
GL:118.630
DL:119.246

GL: 118.699
DL: 119.229

GL: 118.154
DL: 119.266

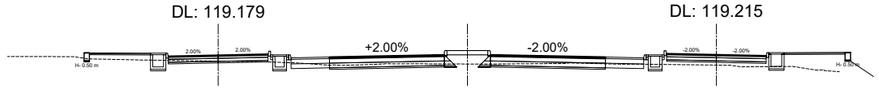


Cut - 4.374 m2
Fill - 2.903 m2

Ch:635+430
GL:118.607
DL:119.209

GL: 118.795
DL: 119.179

GL: 118.538
DL: 119.215

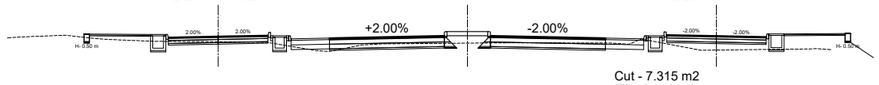


Cut - 6.115 m2
Fill - 2.677 m2

Ch:635+440
GL:118.693
DL:119.172

GL: 118.785
DL: 119.129

GL: 118.241
DL: 119.163



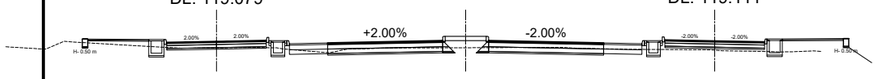
Cut - 7.315 m2
Fill - 2.772 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:635+300 - 635+440	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 306
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

Ch:635+450
GL:118.671
DL:119.135

GL: 118.665
DL: 119.079

GL: 118.512
DL: 119.111

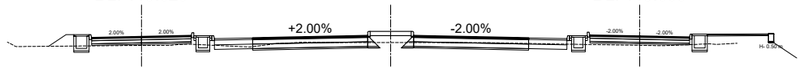


Cut - 7.987 m2
Fill - 2.669 m2

Ch:635+460
GL:118.648
DL:119.097

GL: 118.458
DL: 119.029

GL: 118.465
DL: 119.060

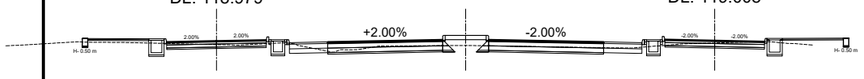


Cut - 8.348 m2
Fill - 2.699 m2

Ch:635+470
GL:118.681
DL:119.060

GL: 118.734
DL: 118.979

GL: 118.842
DL: 119.008

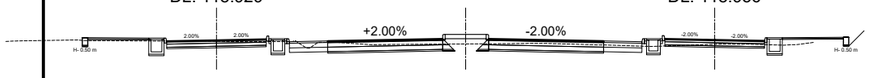


Cut - 8.913 m2
Fill - 2.527 m2

Ch:635+480
GL:118.679
DL:119.023

GL: 118.841
DL: 118.929

GL: 118.656
DL: 118.956

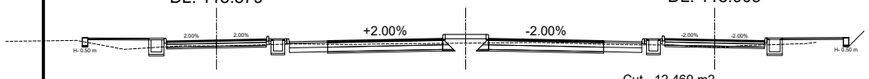


Cut - 11.831 m2
Fill - 2.543 m2

Ch:635+490
GL:118.695
DL:118.986

GL: 118.517
DL: 118.879

GL: 118.416
DL: 118.905

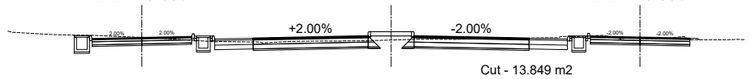


Cut - 12.469 m2
Fill - 2.523 m2

Ch:635+500
GL:118.683
DL:118.949

GL: 118.861
DL: 118.830

GL: 118.788
DL: 118.853

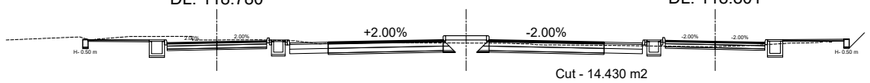


Cut - 13.849 m2
Fill - 2.484 m2

Ch:635+510
GL:118.708
DL:118.911

GL: 118.911
DL: 118.780

GL: 118.478
DL: 118.801

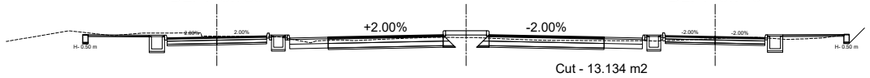


Cut - 14.430 m2
Fill - 2.501 m2

Ch:635+520
GL:118.711
DL:118.873

GL: 118.792
DL: 118.730

GL: 118.631
DL: 118.749

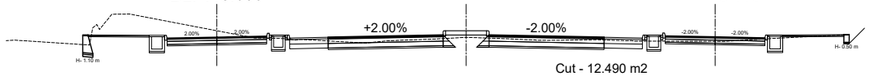


Cut - 13.134 m2
Fill - 2.494 m2

Ch:635+530
GL:118.676
DL:118.832

GL: 119.107
DL: 118.680

GL: 118.416
DL: 118.698

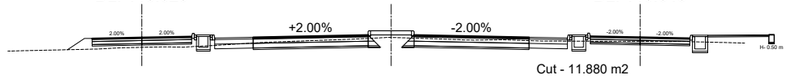


Cut - 12.490 m2
Fill - 2.505 m2

Ch:635+540
GL:118.631
DL:118.789

GL: 117.985
DL: 118.629

GL: 118.369
DL: 118.646

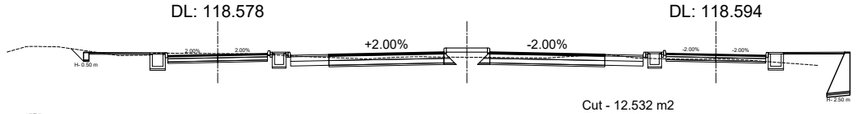


Cut - 11.880 m2
Fill - 2.670 m2

Ch:635+550
GL:118.415
DL:118.745

GL: 118.656
DL: 118.578

GL: 118.297
DL: 118.594

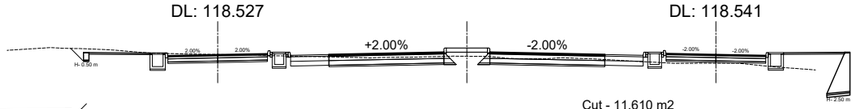


Cut - 12.532 m2
Fill - 2.508 m2

Ch:635+560
GL:118.435
DL:118.698

GL: 118.551
DL: 118.527

GL: 117.979
DL: 118.541

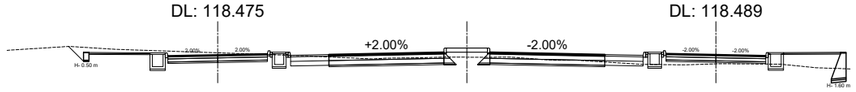


Cut - 11.610 m2
Fill - 2.609 m2

Ch:635+570
GL:118.325
DL:118.649

GL: 118.612
DL: 118.475

GL: 117.891
DL: 118.489

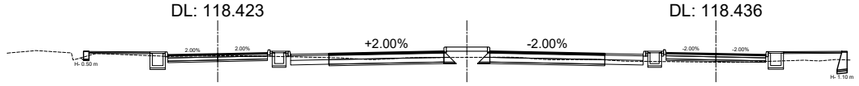


Cut - 10.317 m2
Fill - 2.677 m2

Ch:635+580
GL:118.198
DL:118.599

GL: 118.302
DL: 118.423

GL: 117.886
DL: 118.436

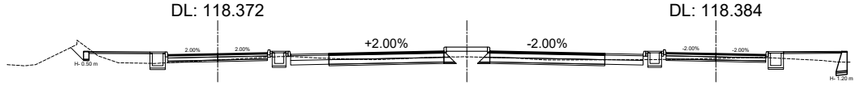


Cut - 9.031 m2
Fill - 2.630 m2

Ch:635+590
GL:118.186
DL:118.547

GL: 117.978
DL: 118.372

GL: 118.081
DL: 118.384



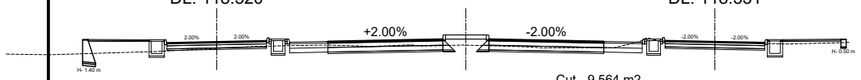
Cut - 8.922 m2
Fill - 2.579 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:635+450 - 635+590	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 307

Ch:635+600
GL:118.100
DL:118.496

GL: 117.889
DL: 118.320

GL: 118.287
DL: 118.331

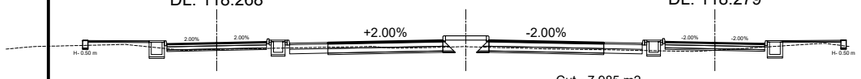


Cut - 9.564 m2
Fill - 2.522 m2

Ch:635+610
GL:118.014
DL:118.445

GL: 117.841
DL: 118.268

GL: 117.781
DL: 118.279

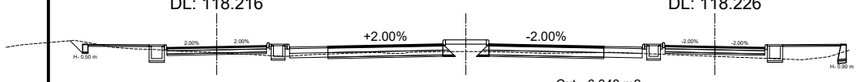


Cut - 7.985 m2
Fill - 2.713 m2

Ch:635+620
GL:117.909
DL:118.394

GL: 117.845
DL: 118.216

GL: 117.595
DL: 118.226

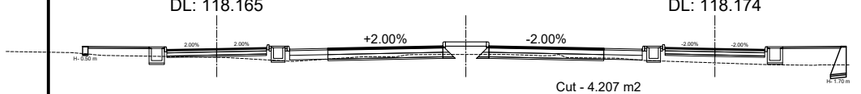


Cut - 6.848 m2
Fill - 2.802 m2

Ch:635+630
GL:117.797
DL:118.342

GL: 117.613
DL: 118.165

GL: 117.254
DL: 118.174

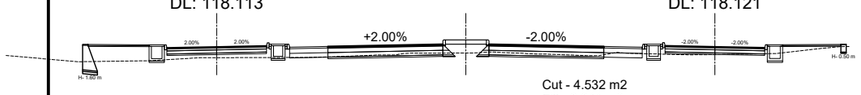


Cut - 4.207 m2
Fill - 3.144 m2

Ch:635+640
GL:117.710
DL:118.291

GL: 117.409
DL: 118.113

GL: 117.611
DL: 118.121

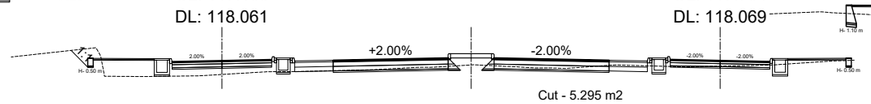


Cut - 4.532 m2
Fill - 2.841 m2

Ch:635+650
GL:117.784
DL:118.240

GL: 117.163
DL: 118.061

GL: 117.704
DL: 118.069

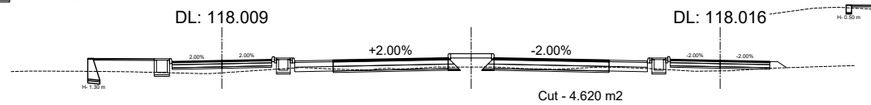


Cut - 5.295 m2
Fill - 2.807 m2

Ch:635+660
GL:117.596
DL:118.188

GL: 117.218
DL: 118.009

GL: 117.345
DL: 118.016

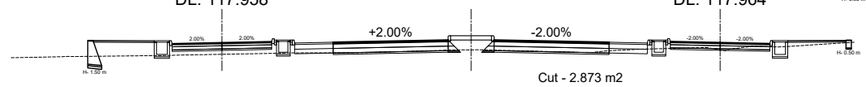


Cut - 4.620 m2
Fill - 2.795 m2

Ch:635+670
GL:117.493
DL:118.137

GL: 117.203
DL: 117.958

GL: 117.492
DL: 117.964

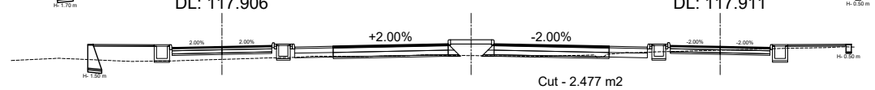


Cut - 2.873 m2
Fill - 2.810 m2

Ch:635+680
GL:117.330
DL:118.086

GL: 117.083
DL: 117.906

GL: 117.684
DL: 117.911

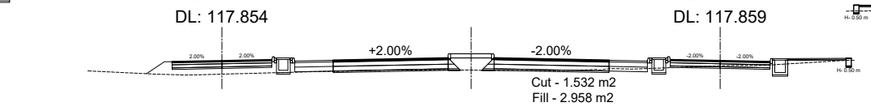


Cut - 2.477 m2
Fill - 2.799 m2

Ch:635+690
GL:117.251
DL:118.035

GL: 116.981
DL: 117.854

GL: 117.516
DL: 117.859

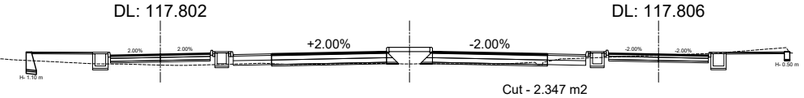


Cut - 1.532 m2
Fill - 2.958 m2

Ch:635+700
GL:117.176
DL:117.983

GL: 117.100
DL: 117.802

GL: 117.735
DL: 117.806

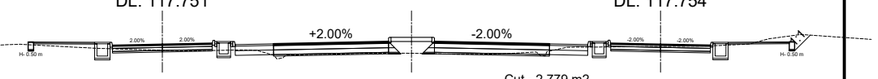


Cut - 2.347 m2
Fill - 2.734 m2

Ch:635+710
GL:117.167
DL:117.932

GL: 117.366
DL: 117.751

GL: 117.612
DL: 117.754

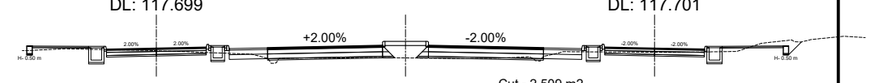


Cut - 2.779 m2
Fill - 2.676 m2

Ch:635+720
GL:117.078
DL:117.881

GL: 117.546
DL: 117.699

GL: 117.442
DL: 117.701

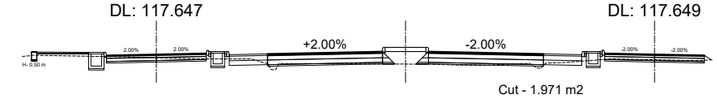


Cut - 2.509 m2
Fill - 2.748 m2

Ch:635+730
GL:117.015
DL:117.830

GL: 117.429
DL: 117.647

GL: 117.300
DL: 117.649

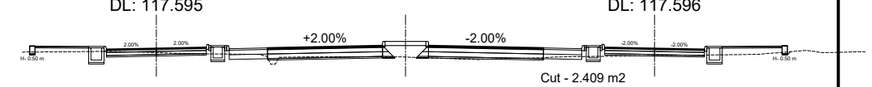


Cut - 1.971 m2
Fill - 2.980 m2

Ch:635+740
GL:117.032
DL:117.778

GL: 117.317
DL: 117.595

GL: 117.123
DL: 117.596



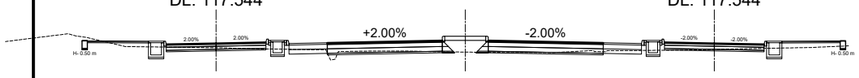
Cut - 2.409 m2
Fill - 2.947 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:635+600 - 635+740	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 308
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

Ch:635+750
GL:116.966
DL:117.727

GL: 117.247
DL: 117.544

GL: 117.140
DL: 117.544

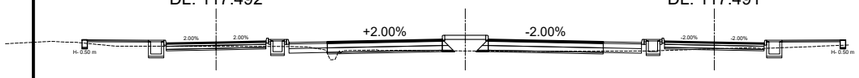


Cut - 3.227 m2
Fill - 2.856 m2

Ch:635+760
GL:116.923
DL:117.676

GL: 117.225
DL: 117.492

GL: 117.060
DL: 117.491

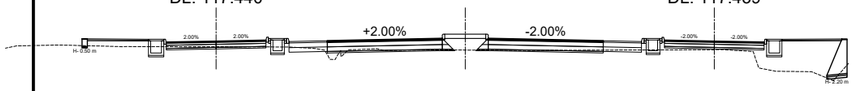


Cut - 2.998 m2
Fill - 2.896 m2

Ch:635+770
GL:116.866
DL:117.624

GL: 117.079
DL: 117.440

GL: 116.891
DL: 117.439

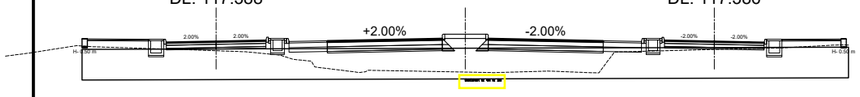


Cut - 2.499 m2
Fill - 3.052 m2

Ch:635+780
GL:115.381
DL:117.573

GL: 116.773
DL: 117.388

GL: 116.856
DL: 117.386

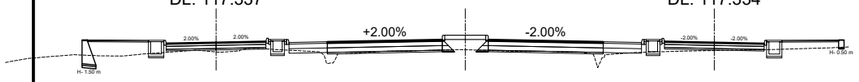


Cut - 0.039 m2
Fill - 28.539 m2

Ch:635+790
GL:116.853
DL:117.522

GL: 116.708
DL: 117.337

GL: 116.798
DL: 117.334

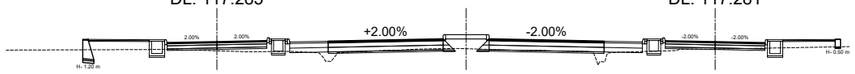


Cut - 1.655 m2
Fill - 3.739 m2

Ch:635+800
GL:116.833
DL:117.471

GL: 116.698
DL: 117.285

GL: 116.805
DL: 117.281

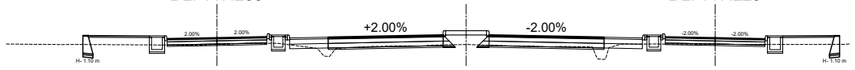


Cut - 2.126 m2
Fill - 3.781 m2

Ch:635+810
GL:116.795
DL:117.419

GL: 116.793
DL: 117.233

GL: 116.815
DL: 117.229

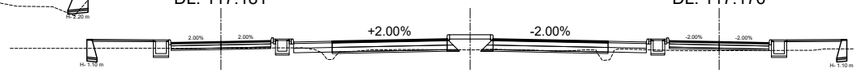


Cut - 2.969 m2
Fill - 3.601 m2

Ch:635+820
GL:116.656
DL:117.368

GL: 116.768
DL: 117.181

GL: 116.608
DL: 117.176

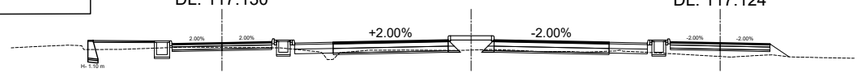


Cut - 3.076 m2
Fill - 3.432 m2

Ch:635+830
GL:116.660
DL:117.317

GL: 116.832
DL: 117.130

GL: 116.244
DL: 117.124

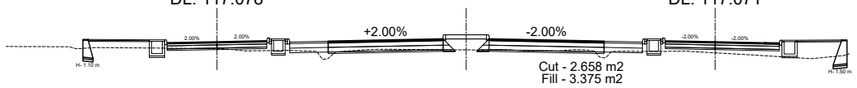


Cut - 3.475 m2
Fill - 3.075 m2

Ch:635+840
GL:116.557
DL:117.265

GL: 116.636
DL: 117.078

GL: 116.362
DL: 117.071

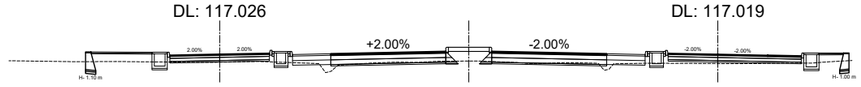


Cut - 2.658 m2
Fill - 3.375 m2

Ch:635+850
GL:116.589
DL:117.214

GL: 116.514
DL: 117.026

GL: 116.424
DL: 117.019

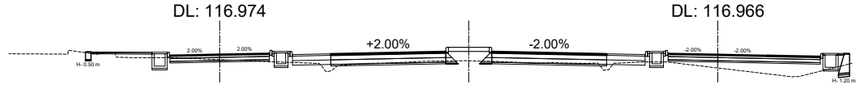


Cut - 2.709 m2
Fill - 3.340 m2

Ch:635+860
GL:116.559
DL:117.163

GL: 116.631
DL: 116.974

GL: 116.085
DL: 116.966

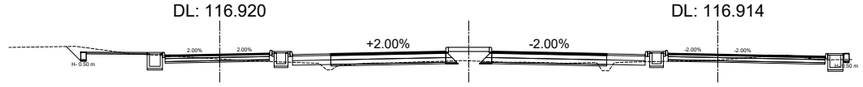


Cut - 2.951 m2
Fill - 3.252 m2

Ch:635+870
GL:116.506
DL:117.112

GL: 116.623
DL: 116.920

GL: 116.541
DL: 116.914

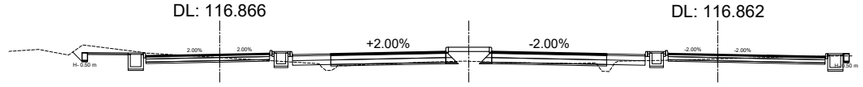


Cut - 3.039 m2
Fill - 3.229 m2

Ch:635+880
GL:116.425
DL:117.060

GL: 116.665
DL: 116.866

GL: 116.577
DL: 116.862

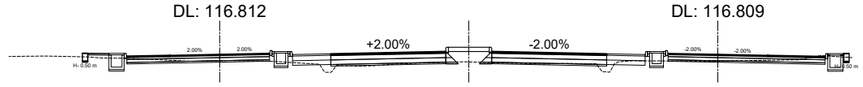


Cut - 2.562 m2
Fill - 3.299 m2

Ch:635+890
GL:116.332
DL:117.009

GL: 116.405
DL: 116.812

GL: 116.387
DL: 116.809



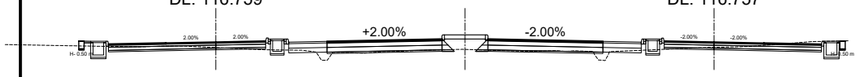
Cut - 1.844 m2
Fill - 3.506 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:635+750 - 635+890	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 309

Ch:635+900
GL:116.282
DL:116.958

GL: 116.403
DL: 116.759

GL: 116.416
DL: 116.757

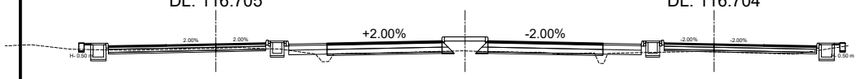


Cut - 1.770 m2
Fill - 3.518 m2

Ch:635+910
GL:116.264
DL:116.906

GL: 116.437
DL: 116.705

GL: 116.205
DL: 116.704

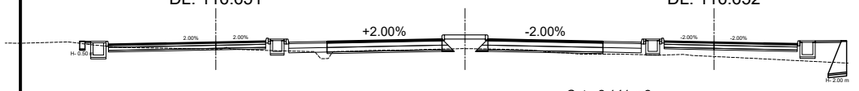


Cut - 2.394 m2
Fill - 3.400 m2

Ch:635+920
GL:116.233
DL:116.855

GL: 116.204
DL: 116.651

GL: 115.718
DL: 116.652

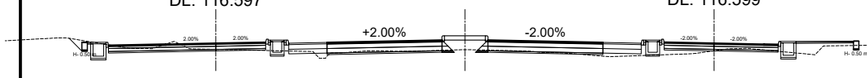


Cut - 2.141 m2
Fill - 3.664 m2

Ch:635+930
GL:116.179
DL:116.804

GL: 116.199
DL: 116.597

GL: 116.104
DL: 116.599

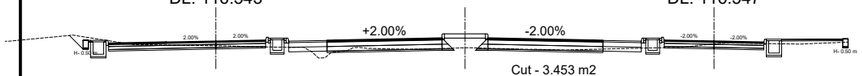


Cut - 2.328 m2
Fill - 3.654 m2

Ch:635+940
GL:116.122
DL:116.753

GL: 116.258
DL: 116.543

GL: 116.374
DL: 116.547

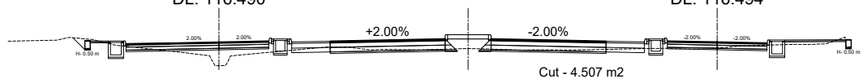


Cut - 3.453 m2
Fill - 3.089 m2

Ch:635+950
GL:116.075
DL:116.701

GL: 114.959
DL: 116.490

GL: 116.131
DL: 116.494

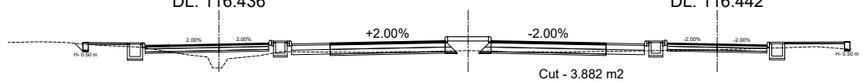


Cut - 4.507 m2
Fill - 2.800 m2

Ch:635+960
GL:116.025
DL:116.657

GL: 114.902
DL: 116.436

GL: 116.080
DL: 116.442

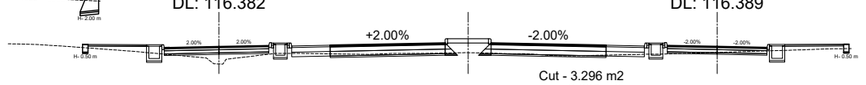


Cut - 3.882 m2
Fill - 2.782 m2

Ch:635+970
GL:115.992
DL:116.623

GL: 115.257
DL: 116.382

GL: 116.007
DL: 116.389

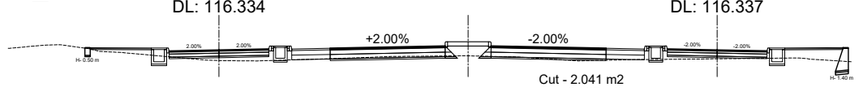


Cut - 3.296 m2
Fill - 2.805 m2

Ch:635+980
GL:115.958
DL:116.600

GL: 115.652
DL: 116.334

GL: 115.765
DL: 116.337

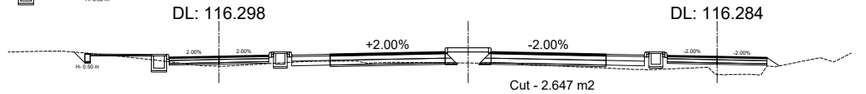


Cut - 2.041 m2
Fill - 3.127 m2

Ch:635+990
GL:115.869
DL:116.587

GL: 115.668
DL: 116.298

GL: 115.130
DL: 116.284

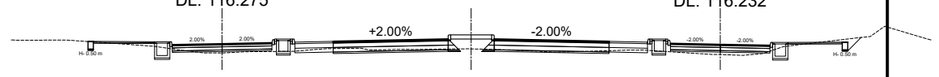


Cut - 2.647 m2
Fill - 3.853 m2

Ch:636+000
GL:115.944
DL:116.585

GL: 115.682
DL: 116.275

GL: 115.578
DL: 116.232

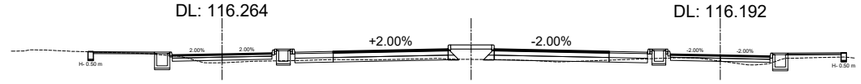


Fill - 2.871 m2
Cut - 3.558 m2

Ch:636+010
GL:115.920
DL:116.592

GL: 115.701
DL: 116.264

GL: 115.807
DL: 116.192

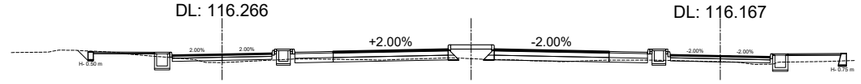


Cut - 1.947 m2
Fill - 2.715 m2

Ch:636+020
GL:115.977
DL:116.604

GL: 115.727
DL: 116.266

GL: 115.782
DL: 116.167

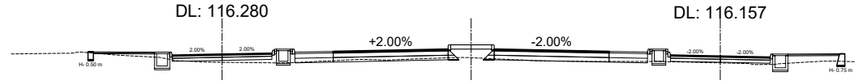


Cut - 2.194 m2
Fill - 2.697 m2

Ch:636+030
GL:116.052
DL:116.616

GL: 115.754
DL: 116.280

GL: 115.716
DL: 116.157

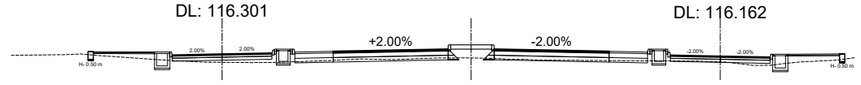


Cut - 1.642 m2
Fill - 2.784 m2

Ch:636+040
GL:116.049
DL:116.627

GL: 115.768
DL: 116.301

GL: 115.790
DL: 116.162



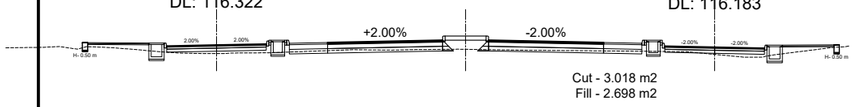
Cut - 2.356 m2
Fill - 2.738 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:635+900 - 636+040	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 310

Ch:636+050
GL:116.045
DL:116.639

GL: 115.766
DL: 116.322

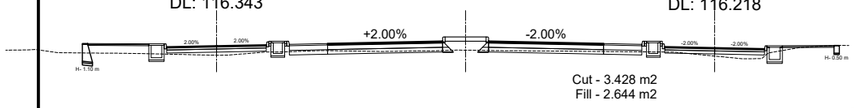
GL: 115.714
DL: 116.183



Ch:636+060
GL:116.066
DL:116.650

GL: 115.740
DL: 116.343

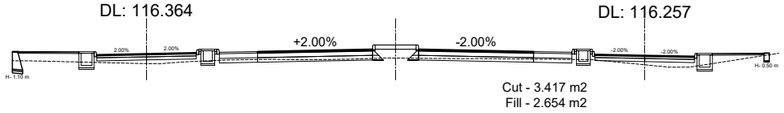
GL: 115.680
DL: 116.218



Ch:636+070
GL:116.085
DL:116.662

GL: 115.727
DL: 116.364

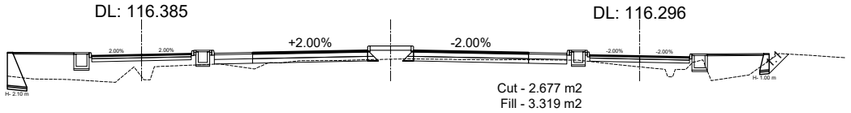
GL: 115.649
DL: 116.257



Ch:636+080
GL:116.088
DL:116.674

GL: 114.951
DL: 116.385

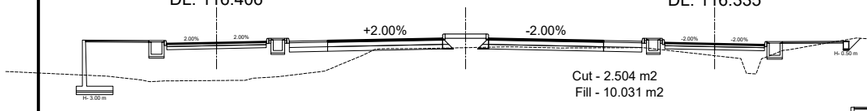
GL: 115.589
DL: 116.296



Ch:636+090
GL:116.072
DL:116.685

GL: 113.929
DL: 116.406

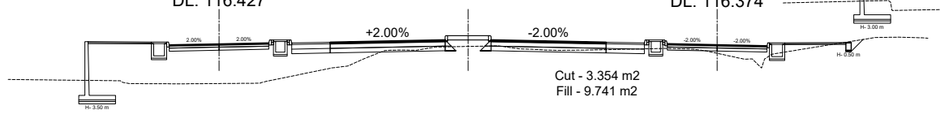
GL: 115.551
DL: 116.335



Ch:636+100
GL:116.274
DL:116.697

GL: 113.854
DL: 116.427

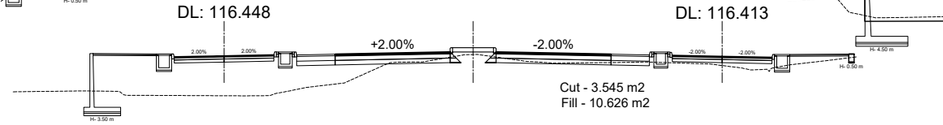
GL: 115.827
DL: 116.374



Ch:636+110
GL:116.539
DL:116.708

GL: 113.854
DL: 116.448

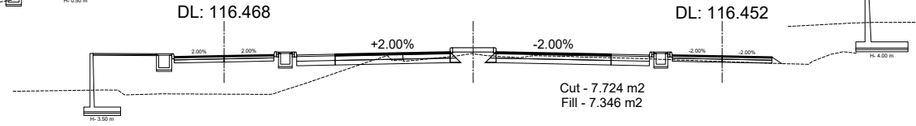
GL: 115.825
DL: 116.413



Ch:636+120
GL:116.604
DL:116.720

GL: 113.969
DL: 116.468

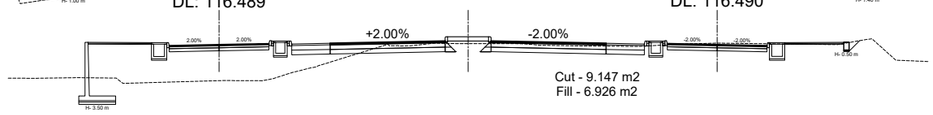
GL: 116.098
DL: 116.452



Ch:636+130
GL:116.556
DL:116.732

GL: 114.146
DL: 116.489

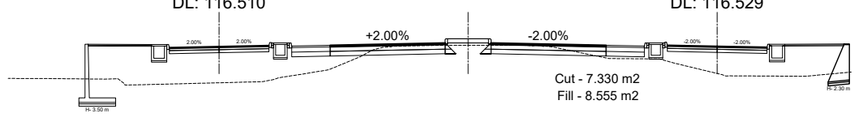
GL: 116.593
DL: 116.490



Ch:636+140
GL:116.596
DL:116.743

GL: 114.149
DL: 116.510

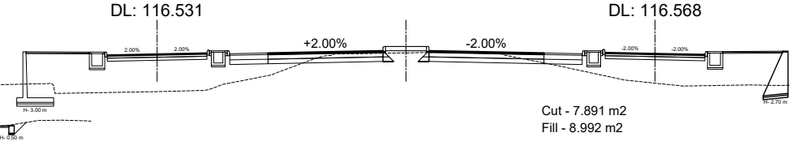
GL: 114.758
DL: 116.529



Ch:636+150
GL:116.614
DL:116.755

GL: 114.088
DL: 116.531

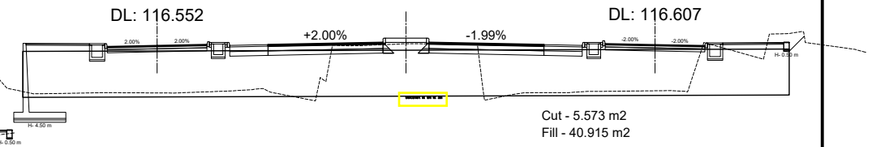
GL: 114.640
DL: 116.568



Ch:636+160
GL:116.683
DL:116.766

GL: 113.471
DL: 116.552

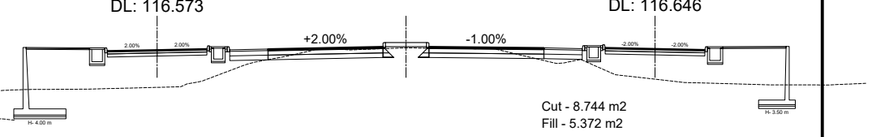
GL: 113.611
DL: 116.607



Ch:636+170
GL:116.708
DL:116.778

GL: 114.130
DL: 116.573

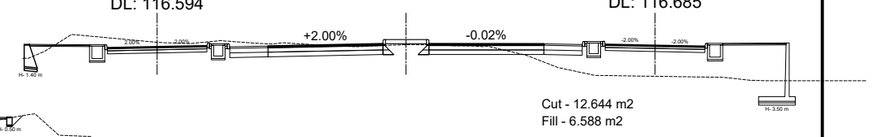
GL: 114.663
DL: 116.646



Ch:636+180
GL:116.731
DL:116.790

GL: 116.885
DL: 116.594

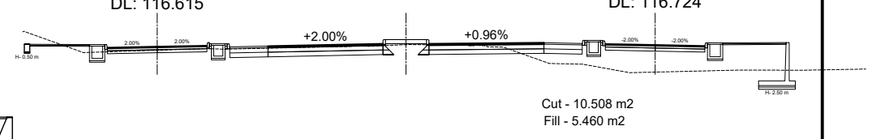
GL: 114.669
DL: 116.685



Ch:636+190
GL:116.744
DL:116.801

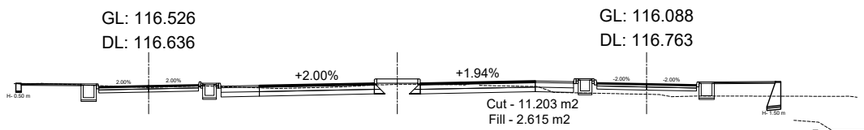
GL: 116.381
DL: 116.615

GL: 114.955
DL: 116.724

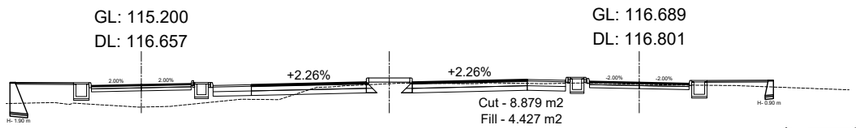


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:636+050 - 636+190	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 311

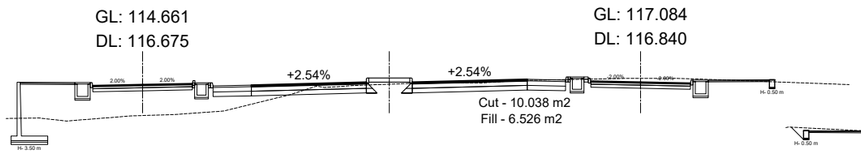
Ch:636+200
GL:116.739
DL:116.813



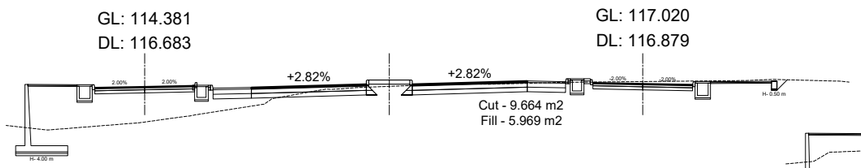
Ch:636+210
GL:116.724
DL:116.824



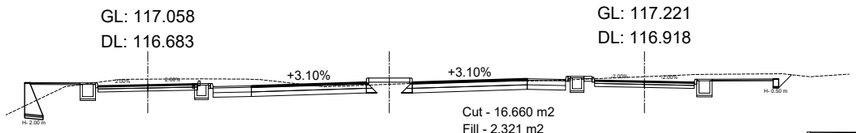
Ch:636+220
GL:116.706
DL:116.836



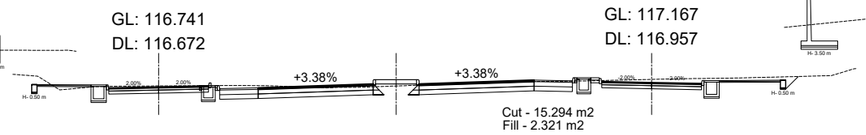
Ch:636+230
GL:116.707
DL:116.847



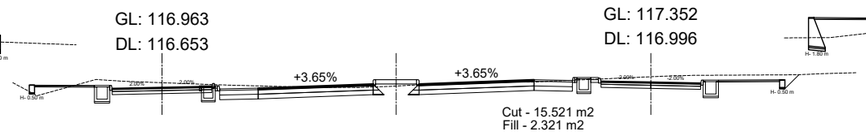
Ch:636+240
GL:116.723
DL:116.859



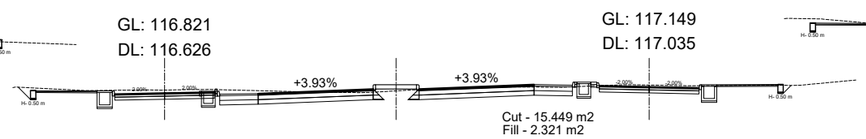
Ch:636+250
GL:116.737
DL:116.871



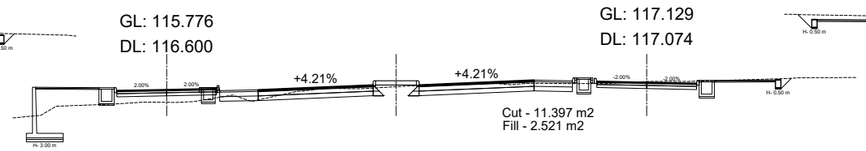
Ch:636+260
GL:116.743
DL:116.882



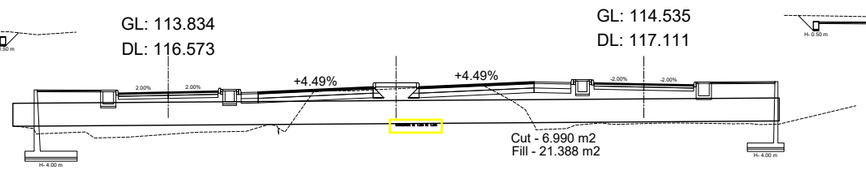
Ch:636+270
GL:116.769
DL:116.894



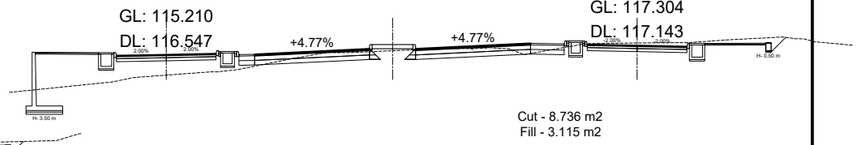
Ch:636+280
GL:116.794
DL:116.905



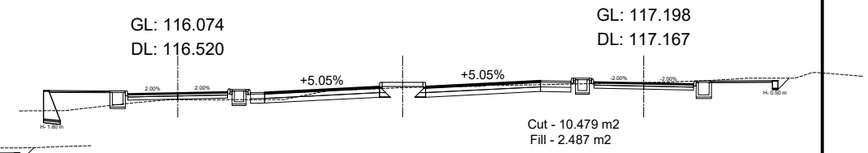
Ch:636+290
GL:116.804
DL:116.917



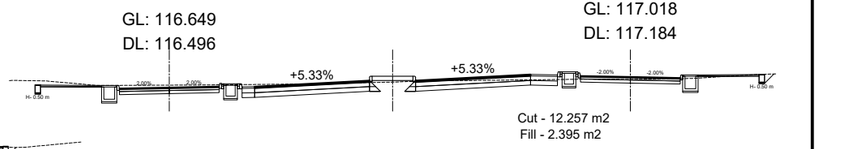
Ch:636+300
GL:116.802
DL:116.929



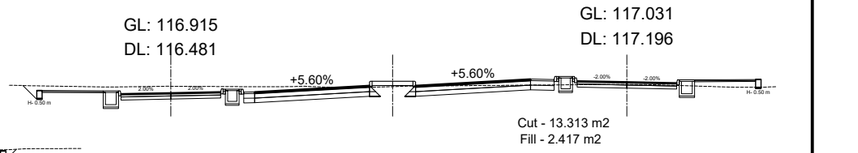
Ch:636+310
GL:116.866
DL:116.940



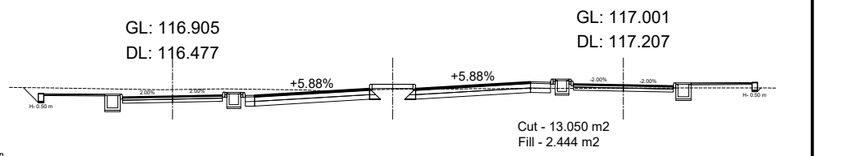
Ch:636+320
GL:116.847
DL:116.952



Ch:636+330
GL:116.890
DL:116.963

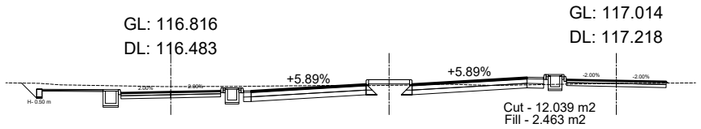


Ch:636+340
GL:116.927
DL:116.975

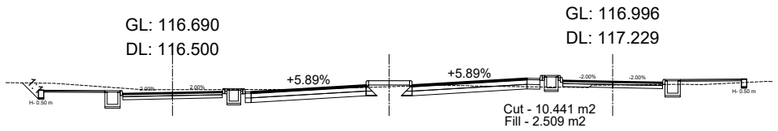


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TSE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:636+200 - 636+340	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 312

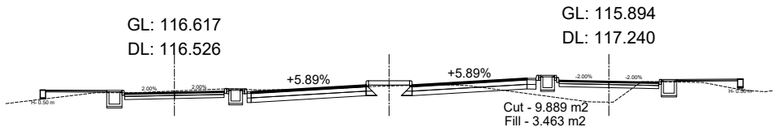
Ch:636+350
GL:116.897
DL:116.987



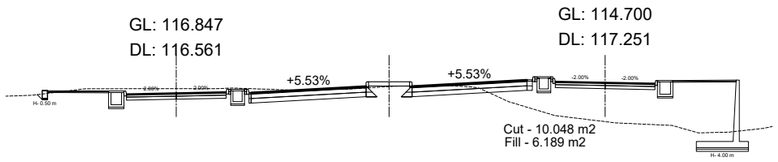
Ch:636+360
GL:116.886
DL:116.998



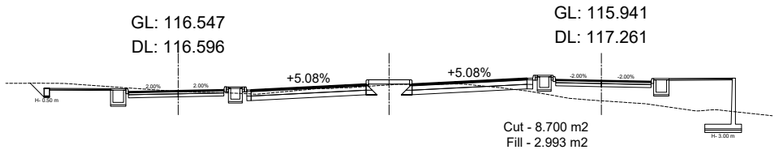
Ch:636+370
GL:116.945
DL:117.010



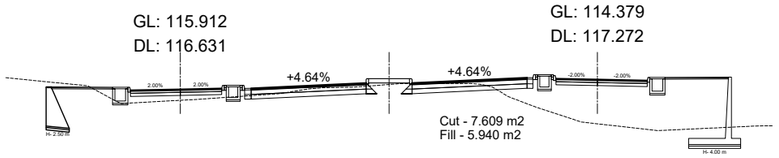
Ch:636+380
GL:116.987
DL:117.021



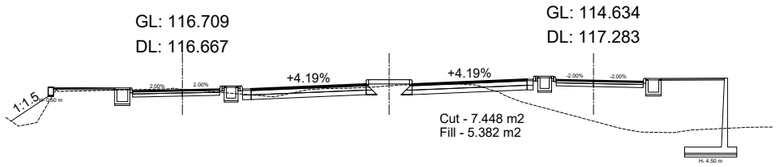
Ch:636+390
GL:116.976
DL:117.033



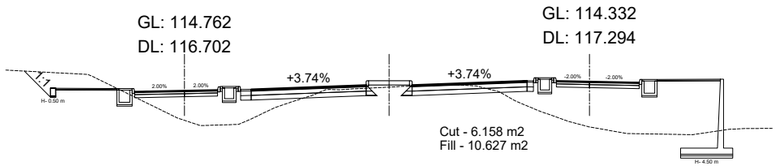
Ch:636+400
GL:116.946
DL:117.044



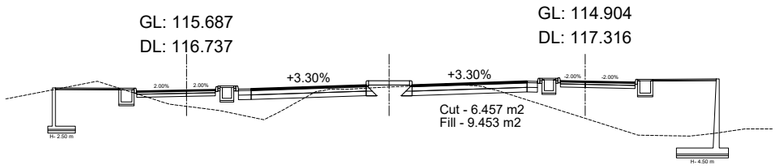
Ch:636+410
GL:116.933
DL:117.056



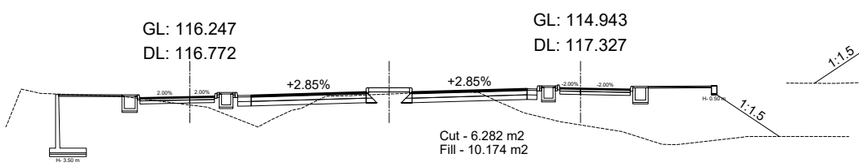
Ch:636+420
GL:116.928
DL:117.068



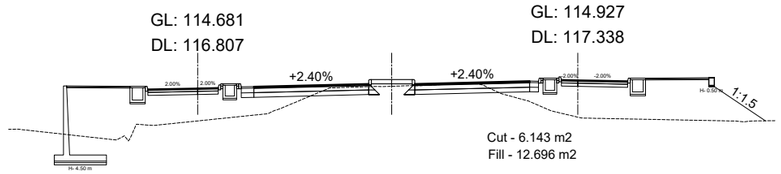
Ch:636+430
GL:116.952
DL:117.079



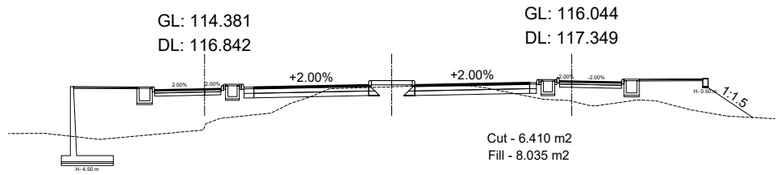
Ch:636+440
GL:116.960
DL:117.091



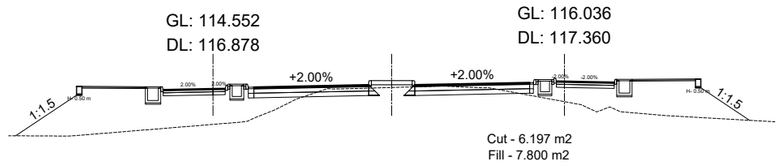
Ch:636+450
GL:116.941
DL:117.102



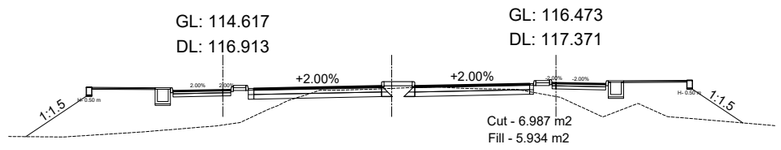
Ch:636+460
GL:116.982
DL:117.114



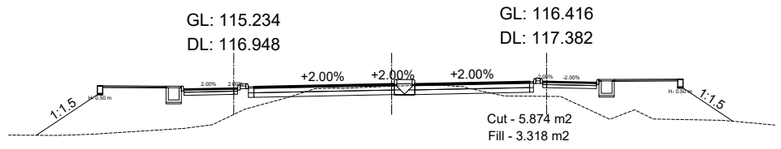
Ch:636+470
GL:116.958
DL:117.132



Ch:636+480
GL:117.007
DL:117.170

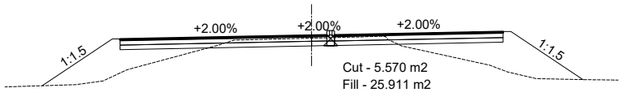


Ch:636+490
GL:117.078
DL:117.231

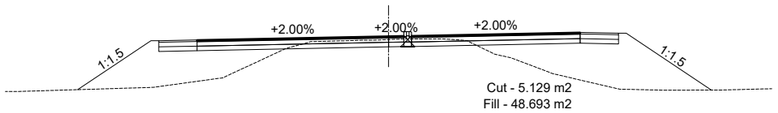


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:636+350 - 636+490	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 313

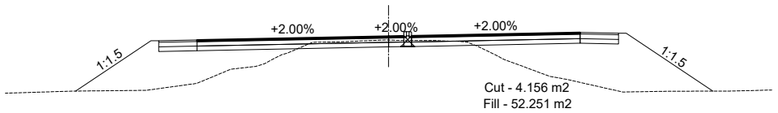
Ch:636+500
GL:117.116
DL:117.312



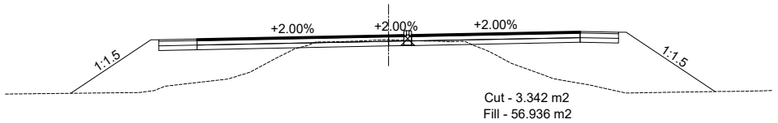
Ch:636+510
GL:117.191
DL:117.416



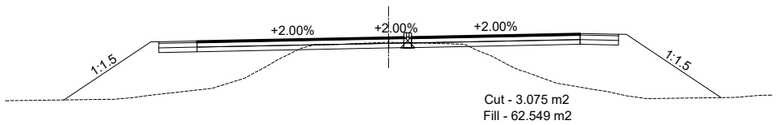
Ch:636+520
GL:117.287
DL:117.541



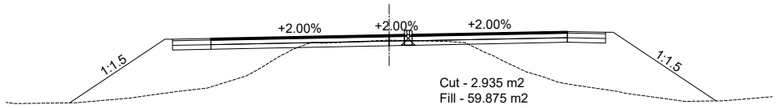
Ch:636+530
GL:117.379
DL:117.682



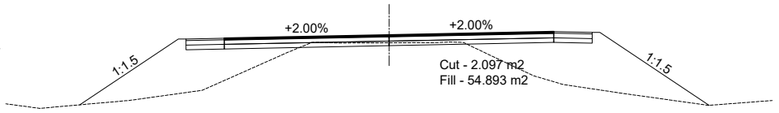
Ch:636+540
GL:117.493
DL:117.823



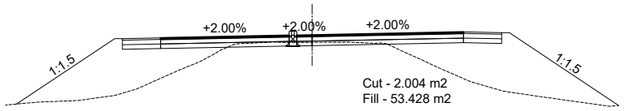
Ch:636+550
GL:117.626
DL:117.965



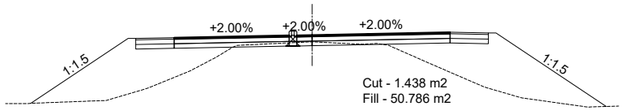
Ch:636+560
GL:117.594
DL:118.106



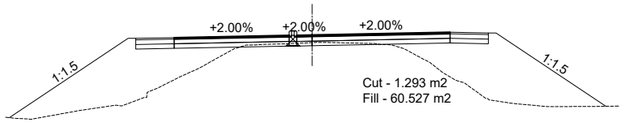
Ch:636+570
GL:117.766
DL:118.247



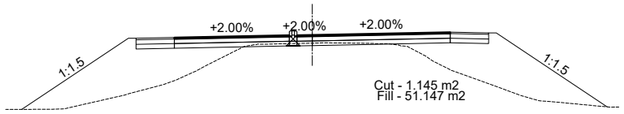
Ch:636+580
GL:117.938
DL:118.389



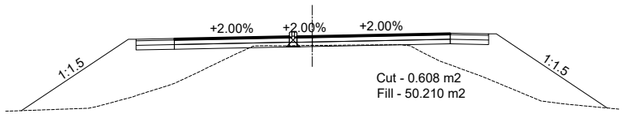
Ch:636+590
GL:118.033
DL:118.530



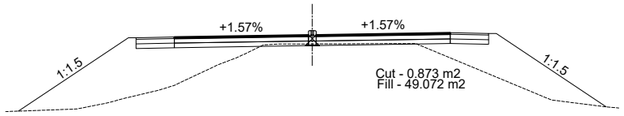
Ch:636+600
GL:118.130
DL:118.671



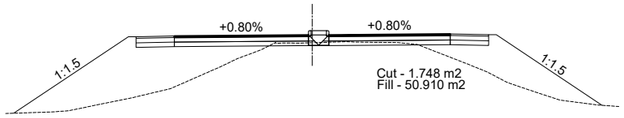
Ch:636+610
GL:118.180
DL:118.807



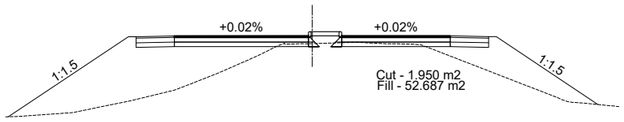
Ch:636+620
GL:118.341
DL:118.931



Ch:636+630
GL:118.535
DL:119.045



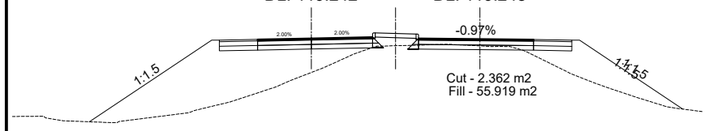
Ch:636+640
GL:118.645
DL:119.148



Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:636+500 - 636+640	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 314
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

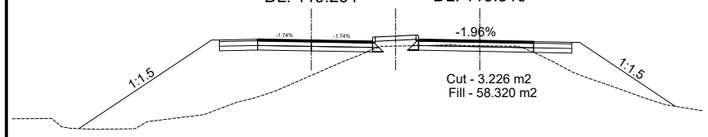
Ch:636+650
GL:118.761
DL:119.240

GL: 117.014 DL: 119.242
GL: 118.749 DL: 119.248



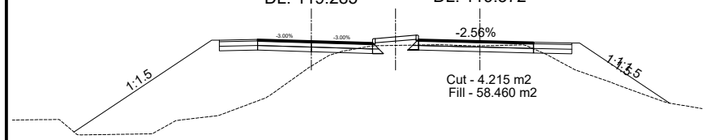
Ch:636+660
GL:118.881
DL:119.321

GL: 116.969 DL: 119.264
GL: 118.899 DL: 119.310



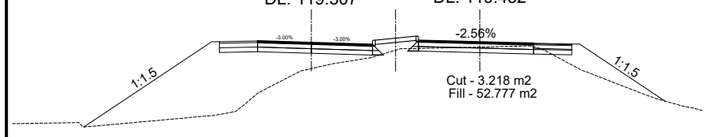
Ch:636+670
GL:118.997
DL:119.391

GL: 117.648 DL: 119.285
GL: 118.963 DL: 119.372



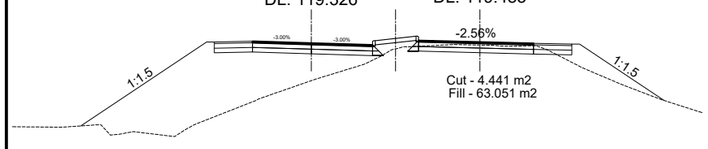
Ch:636+680
GL:118.810
DL:119.450

GL: 117.609 DL: 119.307
GL: 119.014 DL: 119.432



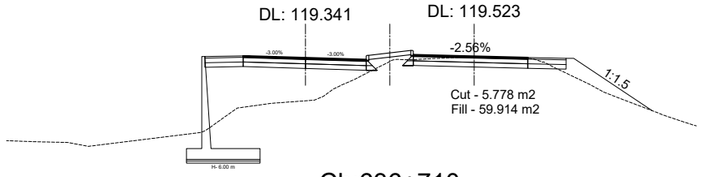
Ch:636+690
GL:118.945
DL:119.498

GL: 116.874 DL: 119.326
GL: 119.196 DL: 119.483



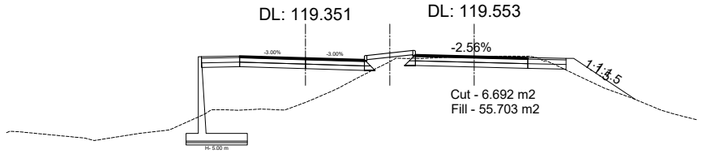
Ch:636+700
GL:119.090
DL:119.536

GL: 116.528 DL: 119.341
GL: 119.375 DL: 119.523



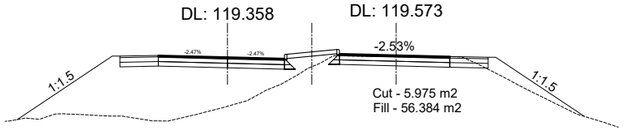
Ch:636+710
GL:119.100
DL:119.562

GL: 116.452 DL: 119.351
GL: 119.460 DL: 119.553



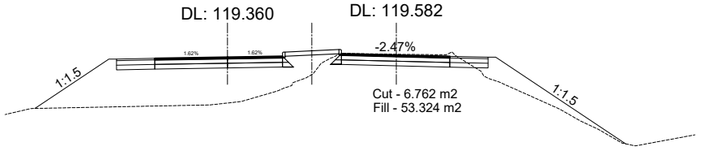
Ch:636+720
GL:118.732
DL:119.578

GL: 116.152 DL: 119.358
GL: 119.384 DL: 119.573



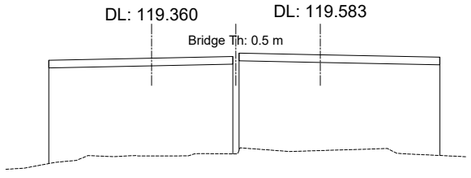
Ch:636+730
GL:118.224
DL:119.583

GL: 116.369 DL: 119.360
GL: 119.545 DL: 119.582



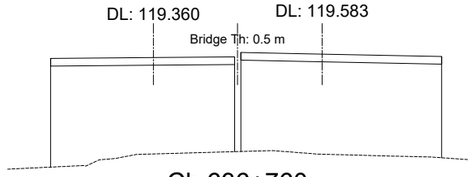
Ch:636+740
GL:113.120
DL:119.583

GL: 112.986 DL: 119.360
GL: 113.335 DL: 119.583



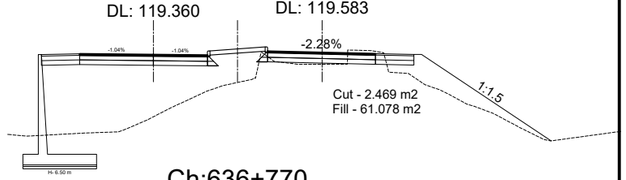
Ch:636+750
GL:113.229
DL:119.583

GL: 113.073 DL: 119.360
GL: 113.056 DL: 119.583



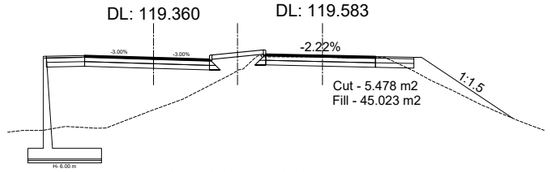
Ch:636+760
GL:117.538
DL:119.583

GL: 115.301 DL: 119.360
GL: 118.728 DL: 119.583



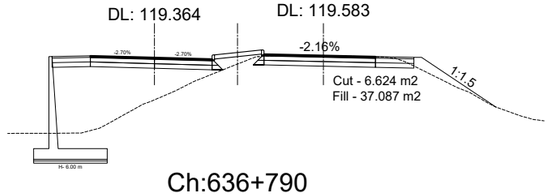
Ch:636+770
GL:118.514
DL:119.583

GL: 115.961 DL: 119.360
GL: 119.397 DL: 119.583



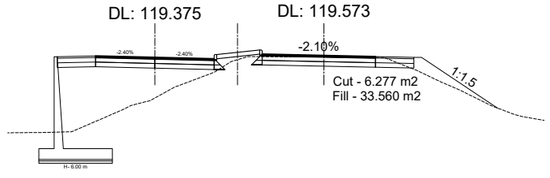
Ch:636+780
GL:118.946
DL:119.583

GL: 116.605 DL: 119.364
GL: 119.418 DL: 119.583



Ch:636+790
GL:119.228
DL:119.583

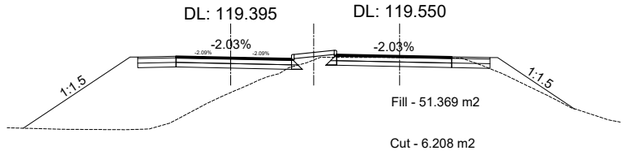
GL: 116.727 DL: 119.375
GL: 119.397 DL: 119.573



Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:636+650 - 636+790	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 315

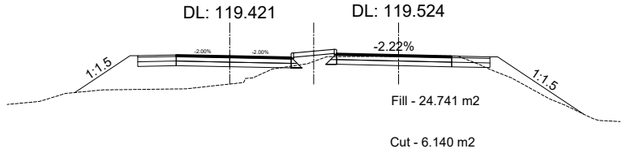
Ch:636+800
GL:119.228
DL:119.583

GL: 117.100 DL: 119.395 | GL: 119.384 DL: 119.550



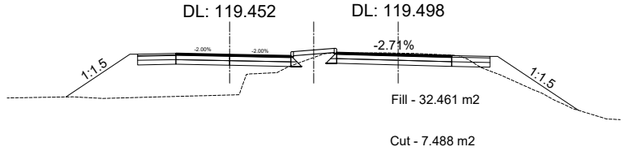
Ch:636+810
GL:119.066
DL:119.583

GL: 117.593 DL: 119.421 | GL: 119.406 DL: 119.524



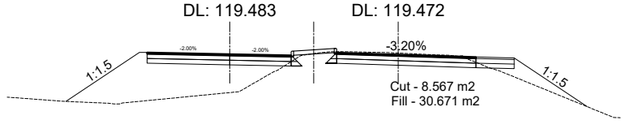
Ch:636+820
GL:119.260
DL:119.583

GL: 116.814 DL: 119.452 | GL: 119.542 DL: 119.498



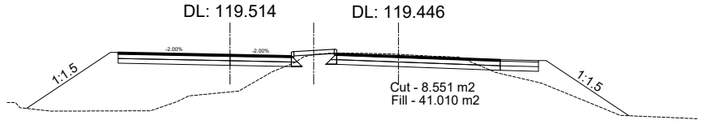
Ch:636+830
GL:119.512
DL:119.583

GL: 116.972 DL: 119.483 | GL: 119.548 DL: 119.472



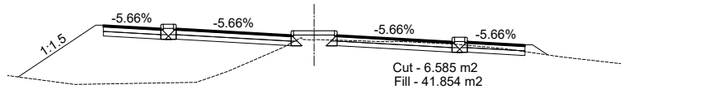
Ch:636+840
GL:119.508
DL:119.583

GL: 117.082 DL: 119.514 | GL: 119.529 DL: 119.446



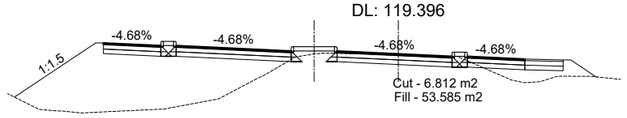
Ch:636+850
GL:119.488
DL:119.583

GL: 116.948 DL: 119.544 | GL: 119.472 DL: 119.420

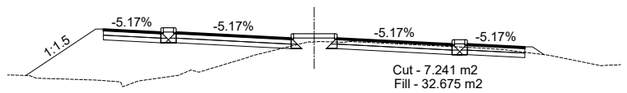


Ch:636+860
GL:119.389
DL:119.582

GL: 119.318 DL: 119.396

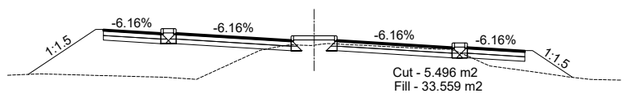


Ch:636+870
GL:119.309
DL:119.574

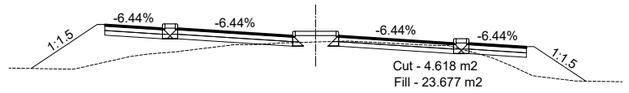


Ch:636+880
GL:119.253
DL:119.559

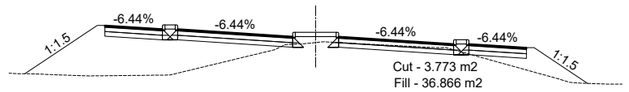
Ch:636+890
GL:119.202
DL:119.535



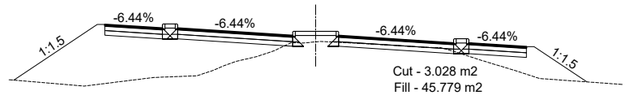
Ch:636+900
GL:119.082
DL:119.504



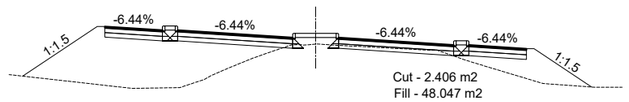
Ch:636+910
GL:119.073
DL:119.465



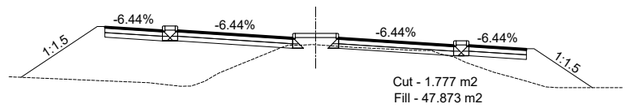
Ch:636+920
GL:119.006
DL:119.418



Ch:636+930
GL:118.936
DL:119.364

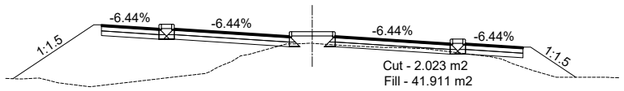


Ch:636+940
GL:118.841
DL:119.309

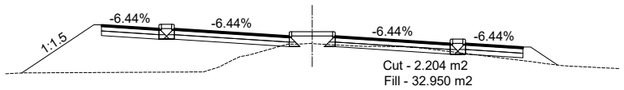


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TSE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:636+800 - 636+940	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 316

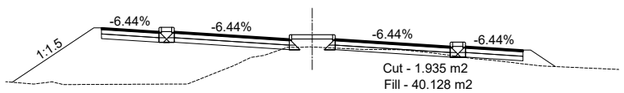
Ch:636+950
GL:118.771
DL:119.255



Ch:636+960
GL:118.705
DL:119.200



Ch:636+970
GL:118.627
DL:119.145



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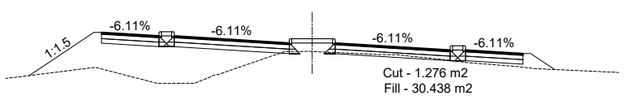
GL:118.535
DL:119.091



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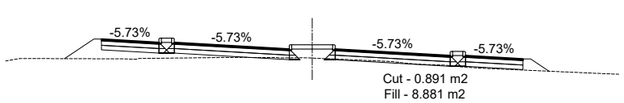
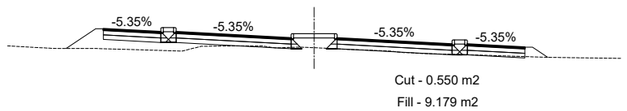
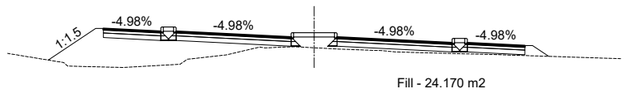
GL:118.443
DL:119.036



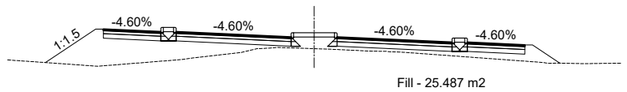
Ch:637+000
GL:118.345
DL:118.981



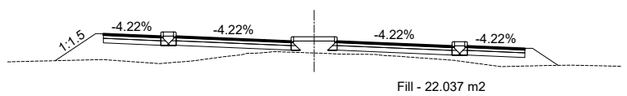
Ch:637+010
GL:118.222
DL:118.926



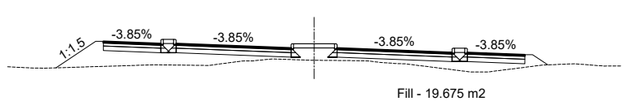
Ch:637+020
GL:118.110
DL:118.872



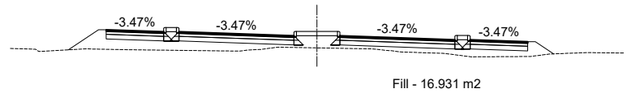
Ch:637+030
GL:118.034
DL:118.817



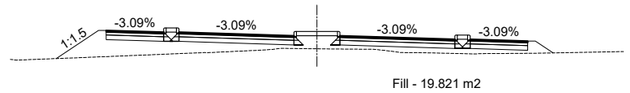
Ch:637+040
GL:117.961
DL:118.762



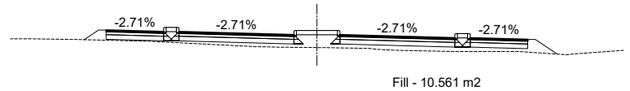
Ch:637+050
GL:117.915
DL:118.708



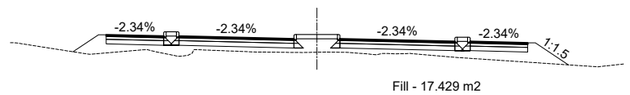
Ch:637+060
GL:117.801
DL:118.653



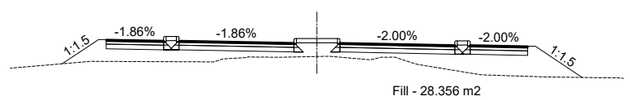
Ch:637+070
GL:117.760
DL:118.598



Ch:637+080
GL:117.663
DL:118.542

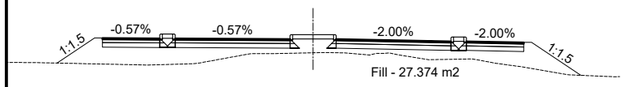


Ch:637+090
GL:117.579
DL:118.476

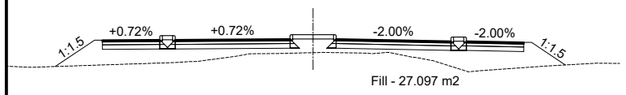


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:636+950 - 637+090	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 317

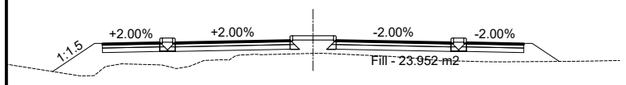
Ch:637+100
GL:117.495
DL:118.397



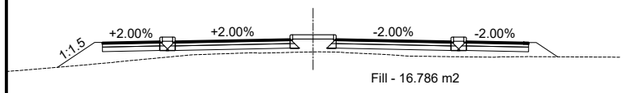
Ch:637+110
GL:117.413
DL:118.306



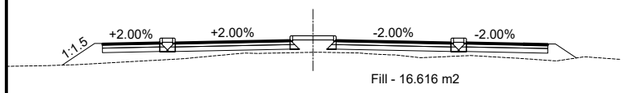
Ch:637+120
GL:117.328
DL:118.203



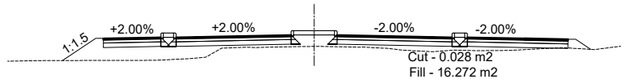
Ch:637+130
GL:117.244
DL:118.087



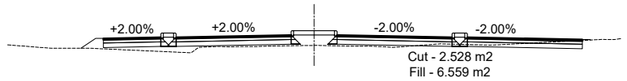
Ch:637+140
GL:117.158
DL:117.959



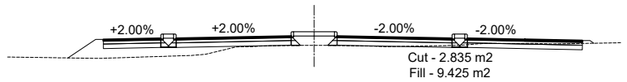
Ch:637+150
GL:117.071
DL:117.819



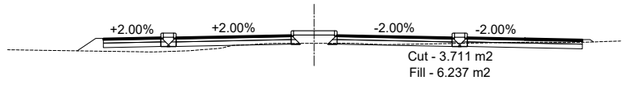
Ch:637+160
GL:116.983
DL:117.666



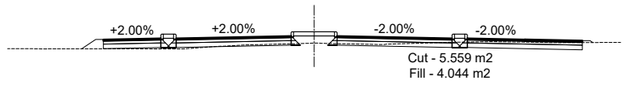
Ch:637+170
GL:116.894
DL:117.507



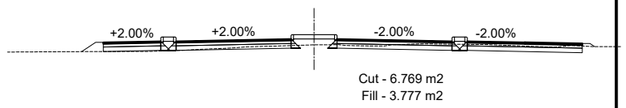
Ch:637+180
GL:116.802
DL:117.348



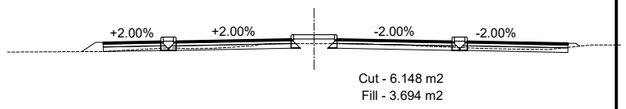
Ch:637+190
GL:116.724
DL:117.189



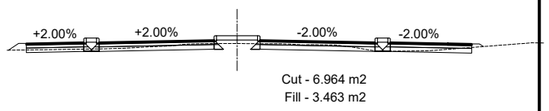
Ch:637+200
GL:116.646
DL:117.030



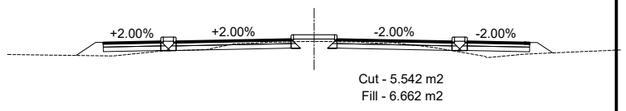
Ch:637+210
GL:116.567
DL:116.871



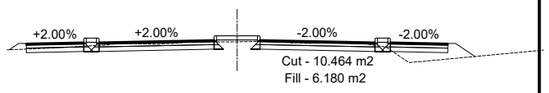
Ch:637+220
GL:116.481
DL:116.711



Ch:637+230
GL:116.395
DL:116.552

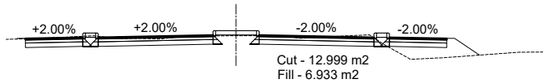


Ch:637+240
GL:116.277
DL:116.394

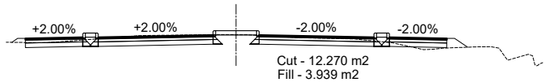


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:637+100 - 637+240	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 318

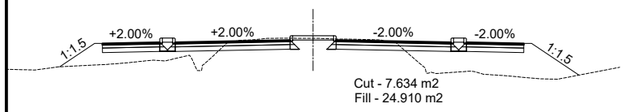
Ch:637+250
GL:116.196
DL:116.251



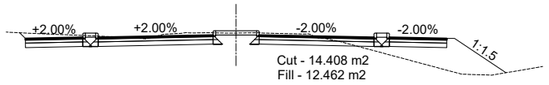
Ch:637+260
GL:116.149
DL:116.130



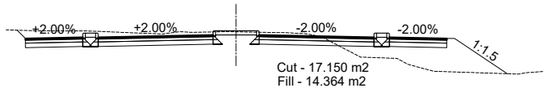
Ch:637+270
GL:116.137
DL:116.030



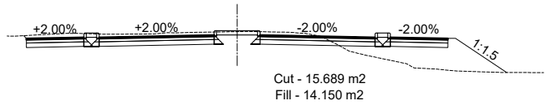
Ch:637+280
GL:116.077
DL:115.951



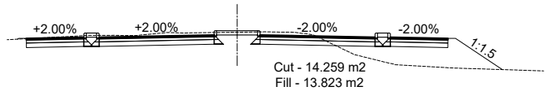
Ch:637+290
GL:116.103
DL:115.893



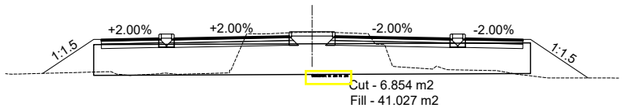
Ch:637+300
GL:116.073
DL:115.857



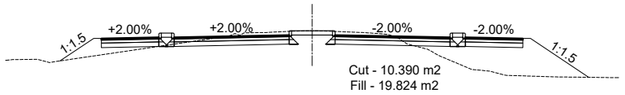
Ch:637+310
GL:116.018
DL:115.841



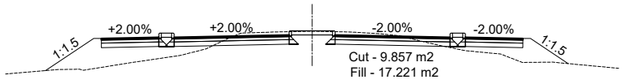
Ch:637+320
GL:116.090
DL:115.846



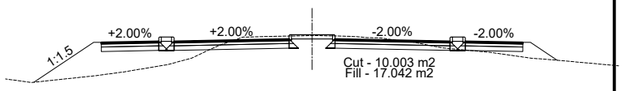
Ch:637+330
GL:116.128
DL:115.857



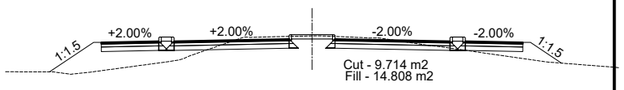
Ch:637+340
GL:116.111
DL:115.867



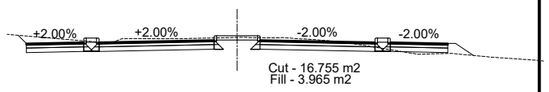
Ch:637+350
GL:116.097
DL:115.877



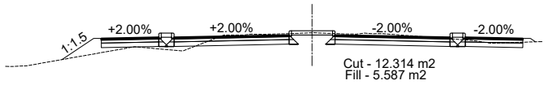
Ch:637+360
GL:116.085
DL:115.887



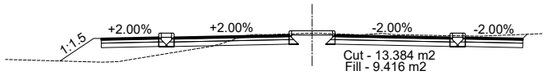
Ch:637+370
GL:116.066
DL:115.898



Ch:637+380
GL:116.052
DL:115.908

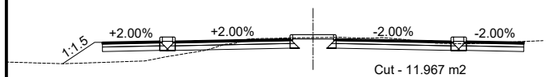


Ch:637+390
GL:116.035
DL:115.918



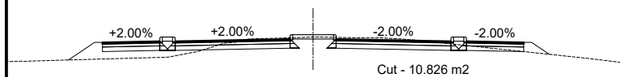
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:637+250 - 637+390	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 319

Ch:637+400
GL:116.016
DL:115.928



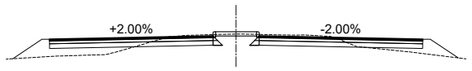
Cut - 11.967 m2
Fill - 8.227 m2

Ch:637+410
GL:116.065
DL:115.939



Cut - 10.826 m2
Fill - 7.672 m2

Ch:637+420
GL:116.072
DL:115.949



Cut - 8.619 m2
Fill - 8.091 m2

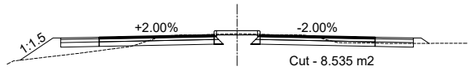
Ch:637+430
GL:116.080
DL:115.959

Cut - 7.792 m2
Fill - 11.082 m2

Ch:637+440
GL:116.069
DL:115.969

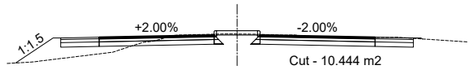
Cut - 8.427 m2
Fill - 7.554 m2

Ch:637+450
GL:116.056
DL:115.980



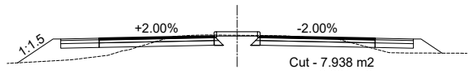
Cut - 8.535 m2
Fill - 5.655 m2

Ch:637+460
GL:116.051
DL:115.990



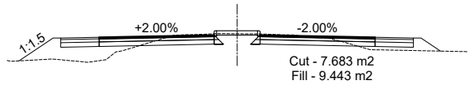
Cut - 10.444 m2
Fill - 6.770 m2

Ch:637+470
GL:116.045
DL:116.000



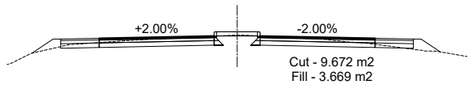
Cut - 7.938 m2
Fill - 8.894 m2

Ch:637+480
GL:116.091
DL:116.011



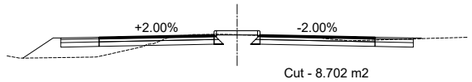
Cut - 7.683 m2
Fill - 9.443 m2

Ch:637+490
GL:116.080
DL:116.021



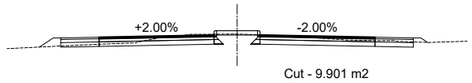
Cut - 9.672 m2
Fill - 3.669 m2

Ch:637+500
GL:116.046
DL:116.031



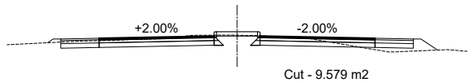
Cut - 8.702 m2
Fill - 6.812 m2

Ch:637+510
GL:116.100
DL:116.041



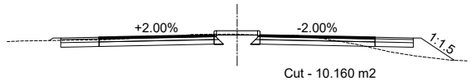
Cut - 9.901 m2
Fill - 2.850 m2

Ch:637+520
GL:116.102
DL:116.052



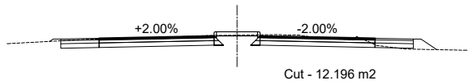
Cut - 9.579 m2
Fill - 3.732 m2

Ch:637+530
GL:116.106
DL:116.062



Cut - 10.160 m2
Fill - 5.096 m2

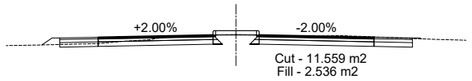
Ch:637+540
GL:116.126
DL:116.072



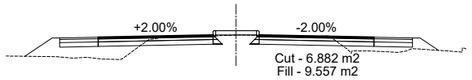
Cut - 12.196 m2
Fill - 2.955 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:637+400 - 637+540	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 320

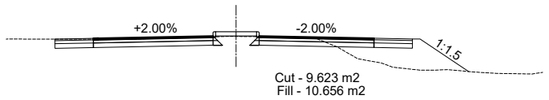
Ch:637+550
GL:116.109
DL:116.082



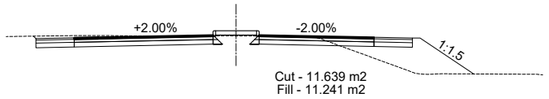
Ch:637+560
GL:116.088
DL:116.093



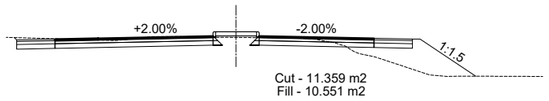
Ch:637+570
GL:116.073
DL:116.103



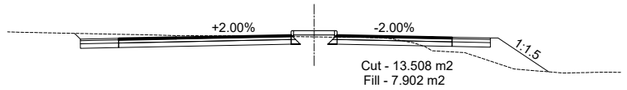
Ch:637+580
GL:116.054
DL:116.113



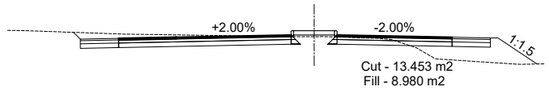
Ch:637+590
GL:116.028
DL:116.123



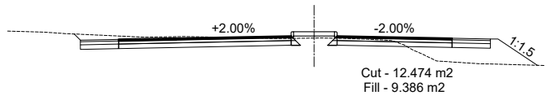
Ch:637+600
GL:116.007
DL:116.134



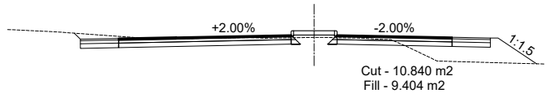
Ch:637+610
GL:116.033
DL:116.144



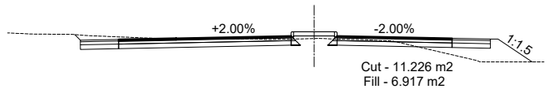
Ch:637+620
GL:116.019
DL:116.154



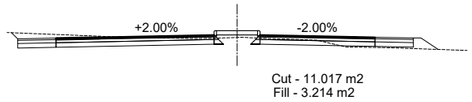
Ch:637+630
GL:116.008
DL:116.165



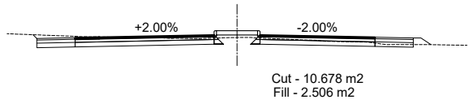
Ch:637+640
GL:116.012
DL:116.175



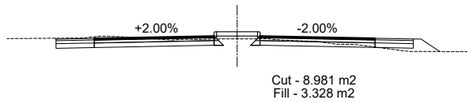
Ch:637+650
GL:116.021
DL:116.185



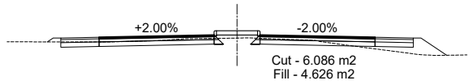
Ch:637+660
GL:116.028
DL:116.195



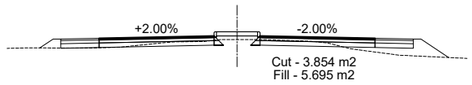
Ch:637+670
GL:116.017
DL:116.206



Ch:637+680
GL:116.012
DL:116.216

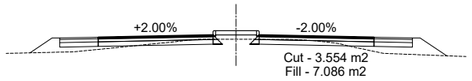


Ch:637+690
GL:115.990
DL:116.226

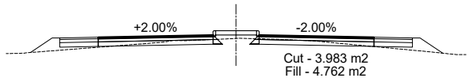


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:637+550 - 637+690	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 321
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

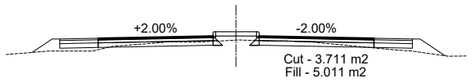
Ch:637+700
GL:115.952
DL:116.236



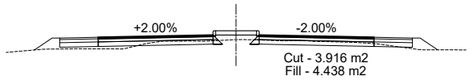
Ch:637+710
GL:116.021
DL:116.247



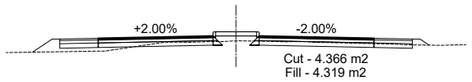
Ch:637+720
GL:115.987
DL:116.257



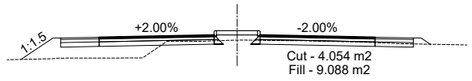
Ch:637+730
GL:115.966
DL:116.267



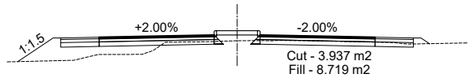
Ch:637+740
GL:115.958
DL:116.275



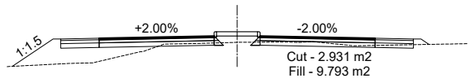
Ch:637+750
GL:115.943
DL:116.280



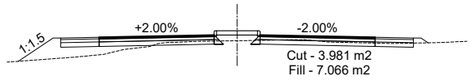
Ch:637+760
GL:115.904
DL:116.282



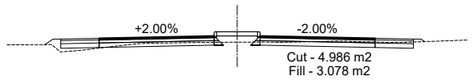
Ch:637+770
GL:115.865
DL:116.281



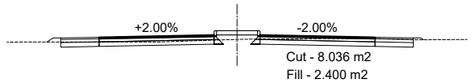
Ch:637+780
GL:115.904
DL:116.278



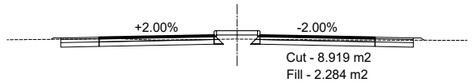
Ch:637+790
GL:115.869
DL:116.272



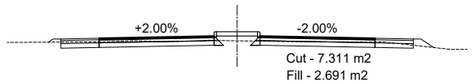
Ch:637+800
GL:115.973
DL:116.264



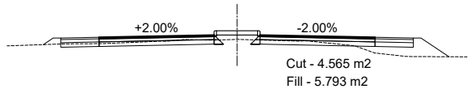
Ch:637+810
GL:115.983
DL:116.253



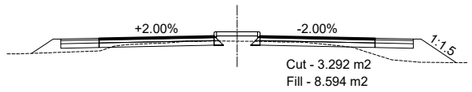
Ch:637+820
GL:115.926
DL:116.241



Ch:637+830
GL:115.946
DL:116.230

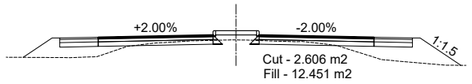


Ch:637+840
GL:115.882
DL:116.218

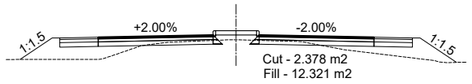


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:637+700 - 637+840	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 322

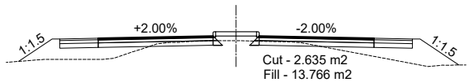
Ch:637+850
GL:115.881
DL:116.207



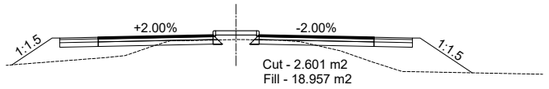
Ch:637+860
GL:115.879
DL:116.195



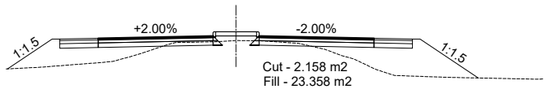
Ch:637+870
GL:115.879
DL:116.184



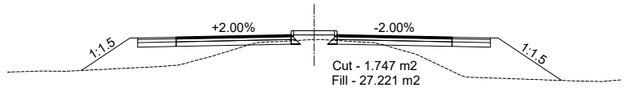
Ch:637+880
GL:115.876
DL:116.172



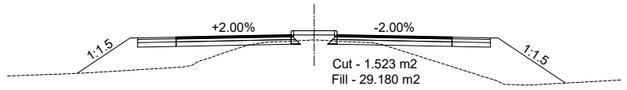
Ch:637+890
GL:115.866
DL:116.161



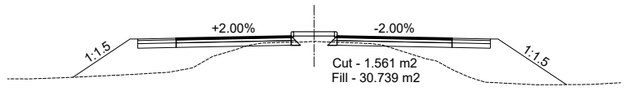
Ch:637+900
GL:115.855
DL:116.149



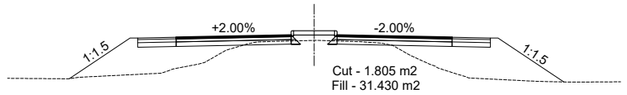
Ch:637+910
GL:115.821
DL:116.138



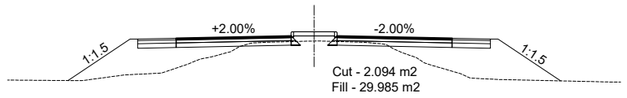
Ch:637+920
GL:115.774
DL:116.126



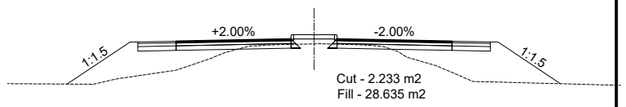
Ch:637+930
GL:115.762
DL:116.115



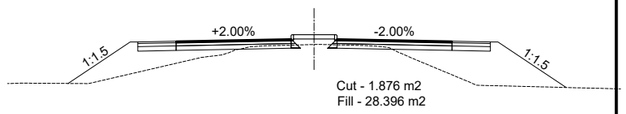
Ch:637+940
GL:115.777
DL:116.103



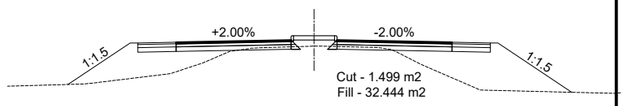
Ch:637+950
GL:115.773
DL:116.092



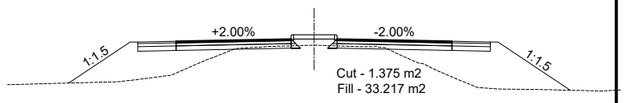
Ch:637+960
GL:115.719
DL:116.080



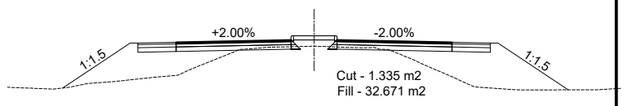
Ch:637+970
GL:115.666
DL:116.069



Ch:637+980
GL:115.652
DL:116.057

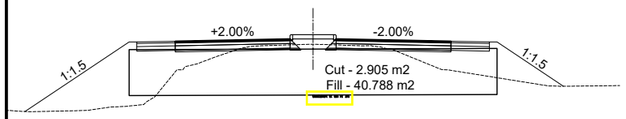


Ch:637+990
GL:115.646
DL:116.046

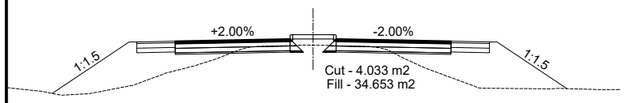


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:637+850 - 637+990	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 323
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

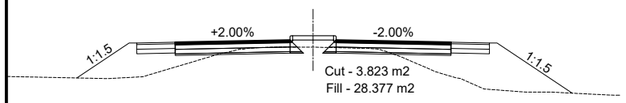
Ch:638+000
GL:115.689
DL:116.037



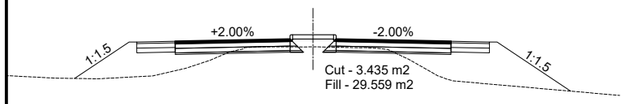
Ch:638+010
GL:115.628
DL:116.030



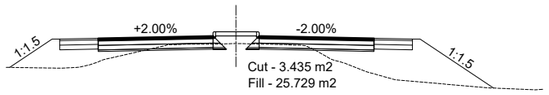
Ch:638+020
GL:115.557
DL:116.025



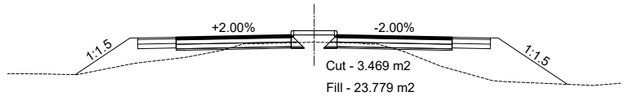
Ch:638+030
GL:115.515
DL:116.022



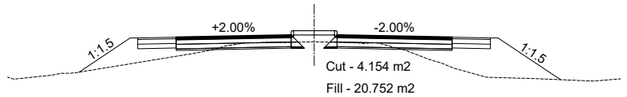
Ch:638+040
GL:115.531
DL:116.021



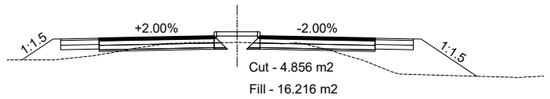
Ch:638+050
GL:115.547
DL:116.020



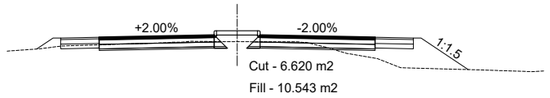
Ch:638+060
GL:115.573
DL:116.020



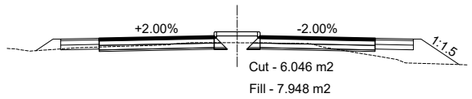
Ch:638+070
GL:115.600
DL:116.019



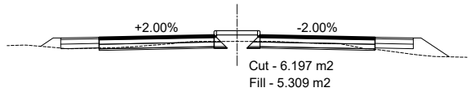
Ch:638+080
GL:115.584
DL:116.018



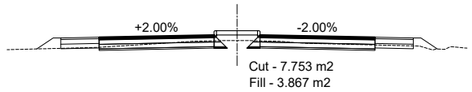
Ch:638+090
GL:115.577
DL:116.017



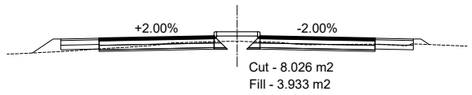
Ch:638+100
GL:115.595
DL:116.016



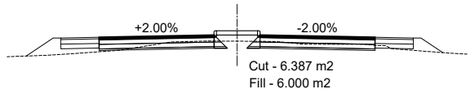
Ch:638+110
GL:115.647
DL:116.015



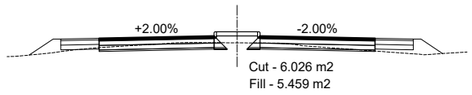
Ch:638+120
GL:115.662
DL:116.014



Ch:638+130
GL:115.610
DL:116.014

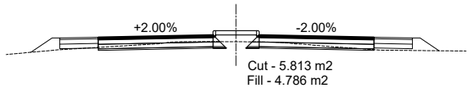


Ch:638+140
GL:115.568
DL:116.013

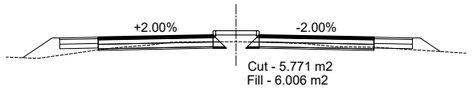


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TJE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:638+000 - 638+140	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 324

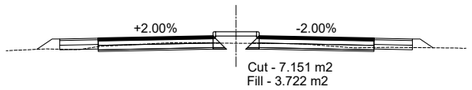
Ch:638+150
GL:115.569
DL:116.012



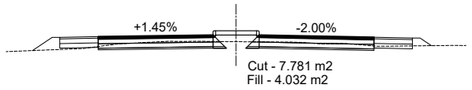
Ch:638+160
GL:115.571
DL:116.011



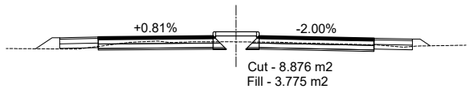
Ch:638+170
GL:115.535
DL:116.010



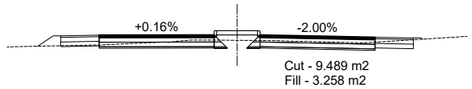
Ch:638+180
GL:115.573
DL:116.009



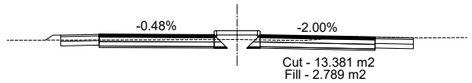
Ch:638+190
GL:115.627
DL:116.009



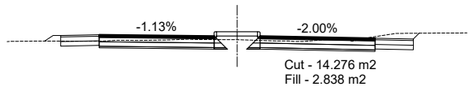
Ch:638+200
GL:115.658
DL:116.008



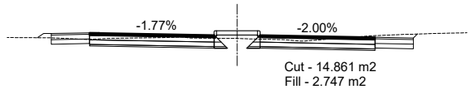
Ch:638+210
GL:115.710
DL:116.007



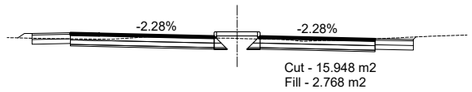
Ch:638+220
GL:115.766
DL:116.006



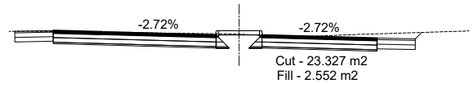
Ch:638+230
GL:115.779
DL:116.005



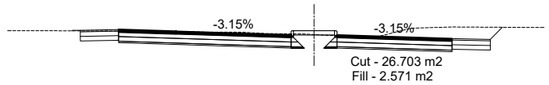
Ch:638+240
GL:115.852
DL:116.004



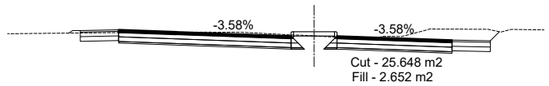
Ch:638+250
GL:116.050
DL:116.004



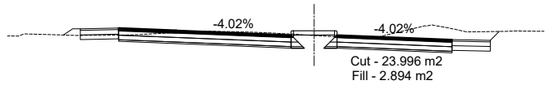
Ch:638+260
GL:116.028
DL:116.003



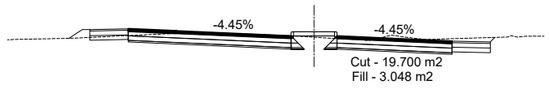
Ch:638+270
GL:116.006
DL:116.002



Ch:638+280
GL:115.966
DL:116.001

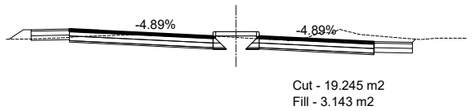


Ch:638+290
GL:115.922
DL:116.000

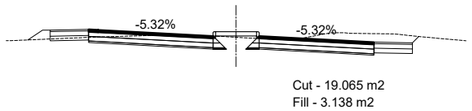


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:638+150 - 638+290	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 325

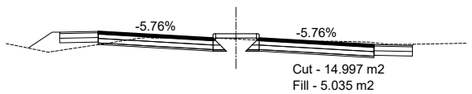
Ch:638+300
GL:115.903
DL:115.999



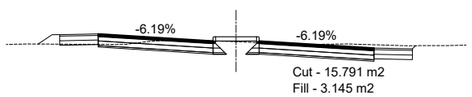
Ch:638+310
GL:115.911
DL:115.999



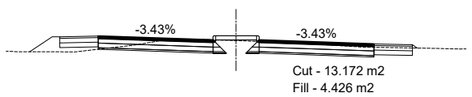
Ch:638+320
GL:115.928
DL:115.998



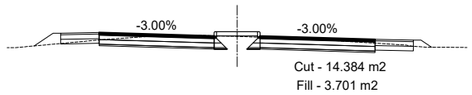
Ch:638+330
GL:115.948
DL:115.997



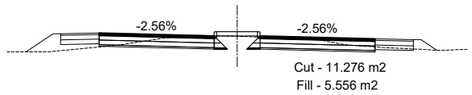
Ch:638+340
GL:115.959
DL:115.996



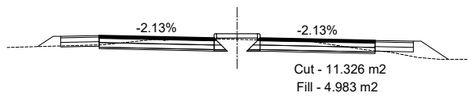
Ch:638+350
GL:115.969
DL:115.995



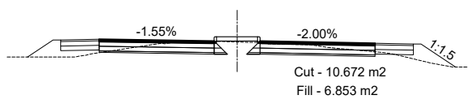
Ch:638+360
GL:115.975
DL:115.994



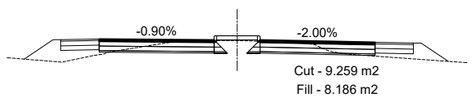
Ch:638+370
GL:115.901
DL:115.994



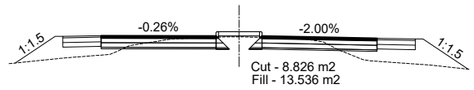
Ch:638+380
GL:115.930
DL:115.993



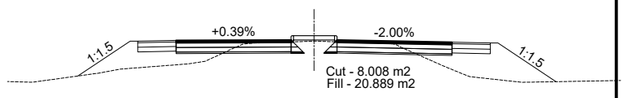
Ch:638+390
GL:115.953
DL:115.992



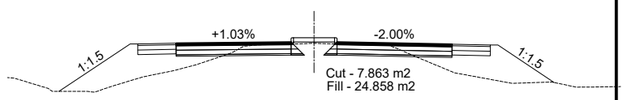
Ch:638+400
GL:115.934
DL:115.991



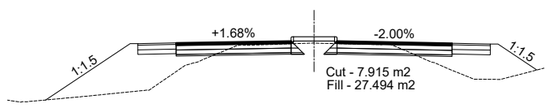
Ch:638+410
GL:115.914
DL:115.990



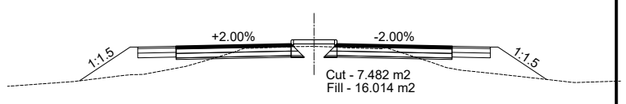
Ch:638+420
GL:115.911
DL:115.998



Ch:638+430
GL:115.888
DL:116.022

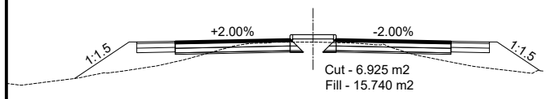


Ch:638+440
GL:115.903
DL:116.062

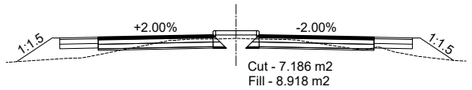


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:638+300 - 638+440	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 326

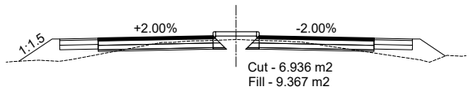
Ch:638+450
GL:115.917
DL:116.118



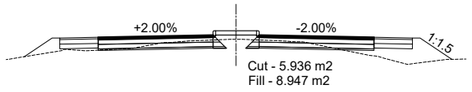
Ch:638+460
GL:115.963
DL:116.182



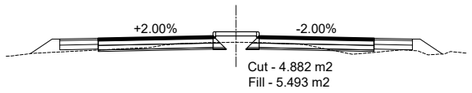
Ch:638+470
GL:116.018
DL:116.247



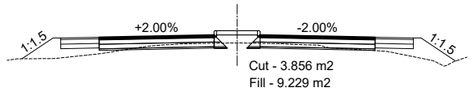
Ch:638+480
GL:116.032
DL:116.311



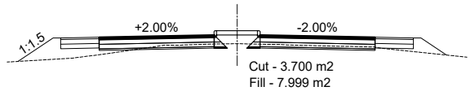
Ch:638+490
GL:115.967
DL:116.375



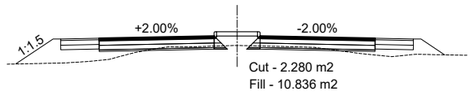
Ch:638+500
GL:115.918
DL:116.439



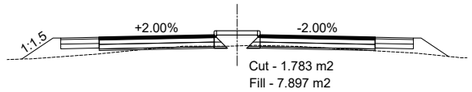
Ch:638+510
GL:115.934
DL:116.504



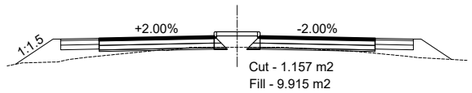
Ch:638+520
GL:115.949
DL:116.568



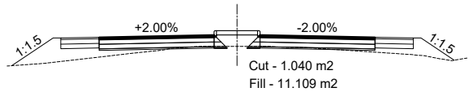
Ch:638+530
GL:115.919
DL:116.632



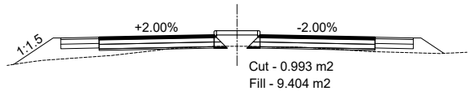
Ch:638+540
GL:115.952
DL:116.696



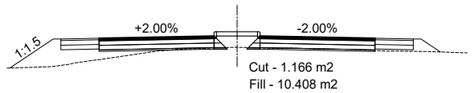
Ch:638+550
GL:116.018
DL:116.761



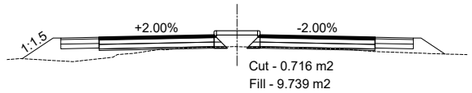
Ch:638+560
GL:116.090
DL:116.825



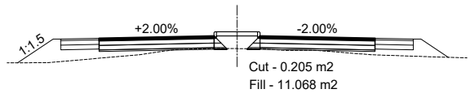
Ch:638+570
GL:116.151
DL:116.889



Ch:638+580
GL:116.193
DL:116.954

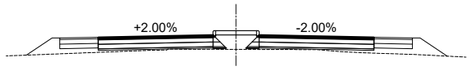


Ch:638+590
GL:116.197
DL:117.018



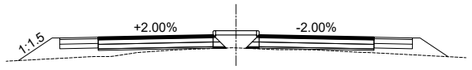
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:638+450 - 638+590	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 327

Ch:638+600
GL:116.141
DL:117.082



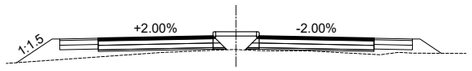
Fill - 8.504 m2

Ch:638+610
GL:116.305
DL:117.146



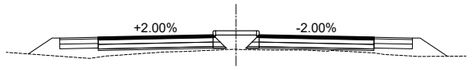
Cut - 0.017 m2
Fill - 10.532 m2

Ch:638+620
GL:116.323
DL:117.211



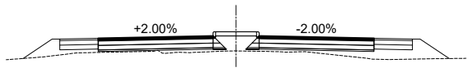
Fill - 10.374 m2

Ch:638+630
GL:116.342
DL:117.275



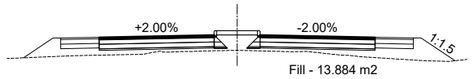
Fill - 11.039 m2

Ch:638+640
GL:116.368
DL:117.339



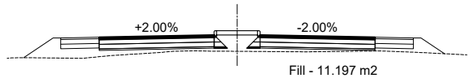
Fill - 11.238 m2

Ch:638+650
GL:116.397
DL:117.403



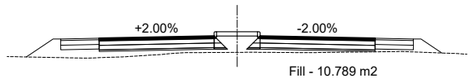
Fill - 13.884 m2

Ch:638+660
GL:116.401
DL:117.468



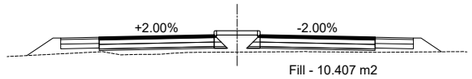
Fill - 11.197 m2

Ch:638+670
GL:116.462
DL:117.532



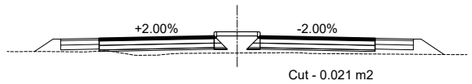
Fill - 10.789 m2

Ch:638+680
GL:116.480
DL:117.596



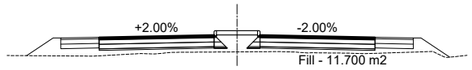
Fill - 10.407 m2

Ch:638+690
GL:116.551
DL:117.660



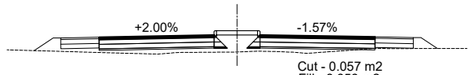
Cut - 0.021 m2
Fill - 9.679 m2

Ch:638+700
GL:116.620
DL:117.725



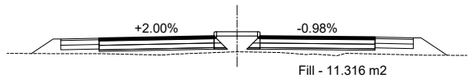
Fill - 11.700 m2

Ch:638+710
GL:116.676
DL:117.785



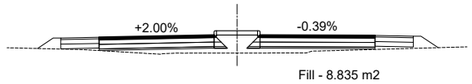
Cut - 0.057 m2
Fill - 8.656 m2

Ch:638+720
GL:116.811
DL:117.840



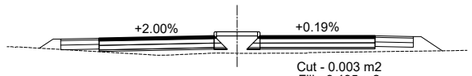
Fill - 11.316 m2

Ch:638+730
GL:116.711
DL:117.890



Fill - 8.835 m2

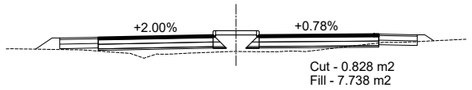
Ch:638+740
GL:116.811
DL:117.935



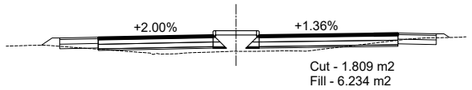
Cut - 0.003 m2
Fill - 9.495 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:638+600 - 638+740	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 328

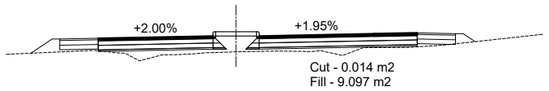
Ch:638+750
GL:116.898
DL:117.975



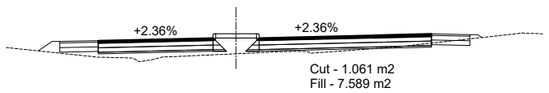
Ch:638+760
GL:116.946
DL:118.010



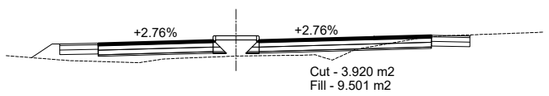
Ch:638+770
GL:117.004
DL:118.039



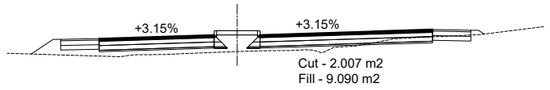
Ch:638+780
GL:117.038
DL:118.067



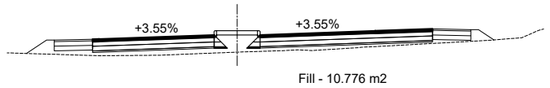
Ch:638+790
GL:117.045
DL:118.095



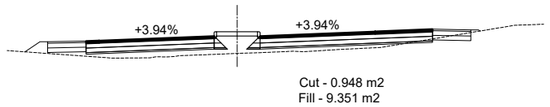
Ch:638+800
GL:117.040
DL:118.123



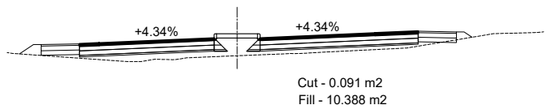
Ch:638+810
GL:117.031
DL:118.151



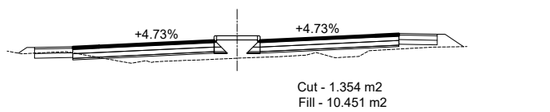
Ch:638+820
GL:117.043
DL:118.179



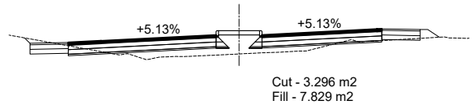
Ch:638+830
GL:117.051
DL:118.207



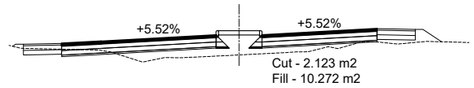
Ch:638+840
GL:117.048
DL:118.235



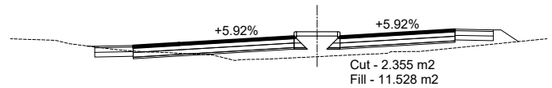
Ch:638+850
GL:117.023
DL:118.263



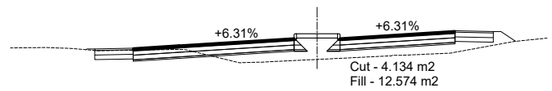
Ch:638+860
GL:116.989
DL:118.291



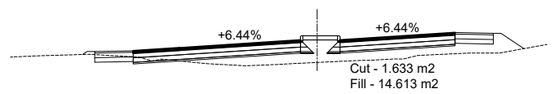
Ch:638+870
GL:116.969
DL:118.319



Ch:638+880
GL:116.949
DL:118.347

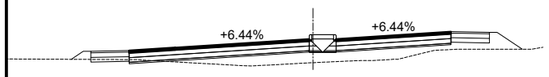


Ch:638+890
GL:116.909
DL:118.375



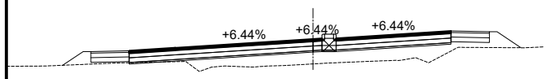
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and GE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:638+750 - 638+890	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 329

Ch:638+900
GL:116.855
DL:118.403



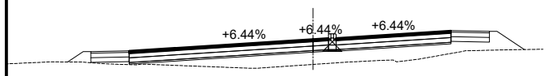
Cut - 0.693 m2
Fill - 14.178 m2

Ch:638+910
GL:116.804
DL:118.431



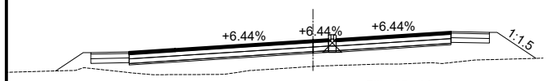
Cut - 0.085 m2
Fill - 16.409 m2

Ch:638+920
GL:116.799
DL:118.459



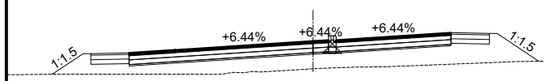
Fill - 17.834 m2

Ch:638+930
GL:116.763
DL:118.487



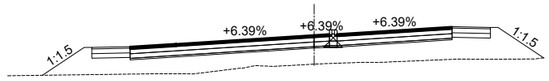
Fill - 27.892 m2

Ch:638+940
GL:116.705
DL:118.515



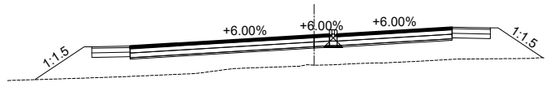
Fill - 29.982 m2

Ch:638+950
GL:116.637
DL:118.543



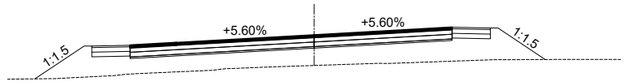
Fill - 36.648 m2

Ch:638+960
GL:116.607
DL:118.570



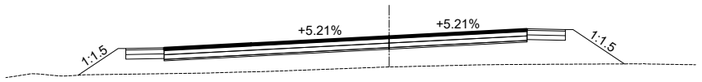
Fill - 38.992 m2

Ch:638+970
GL:116.609
DL:118.597



Fill - 39.111 m2

Ch:638+980
GL:116.596
DL:118.614



Fill - 41.118 m2

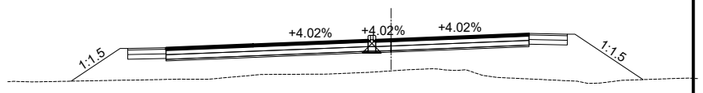
Ch:638+990
GL:116.549
DL:118.620

Fill - 51.888 m2

Ch:639+000
GL:116.591
DL:118.614

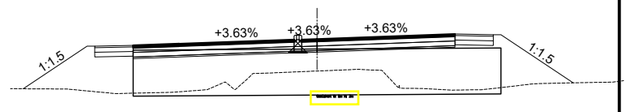
Fill - 57.272 m2

Ch:639+010
GL:116.517
DL:118.598



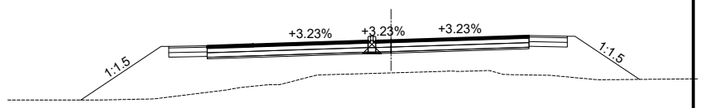
Fill - 54.128 m2

Ch:639+020
GL:116.480
DL:118.571



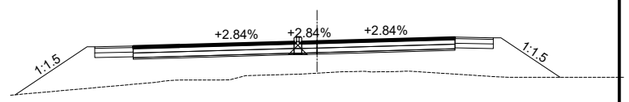
Fill - 69.297 m2

Ch:639+030
GL:116.388
DL:118.533



Fill - 60.656 m2

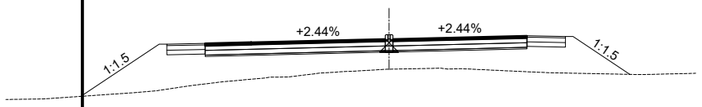
Ch:639+040
GL:116.385
DL:118.483



Fill - 51.737 m2

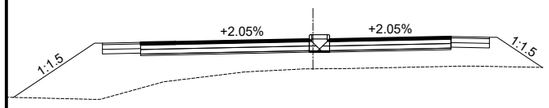
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and GIE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:638+900 - 639+040	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 330

Ch:639+050
GL:116.451
DL:118.423



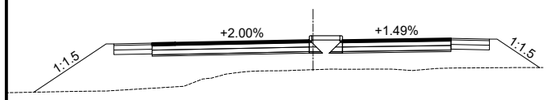
Fill - 52.240 m2

Ch:639+060
GL:116.405
DL:118.352



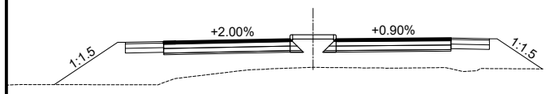
Fill - 51.254 m2

Ch:639+070
GL:116.332
DL:118.269



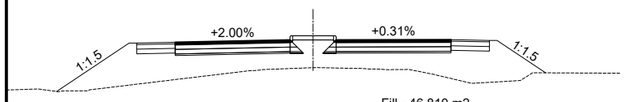
Fill - 47.565 m2

Ch:639+080
GL:116.331
DL:118.177



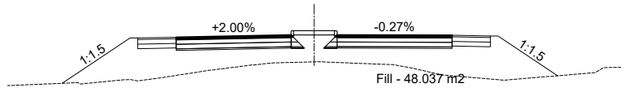
Fill - 43.656 m2

Ch:639+090
GL:116.279
DL:118.084



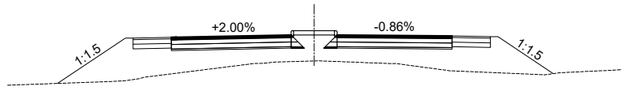
Fill - 46.810 m2

Ch:639+100
GL:116.235
DL:117.991



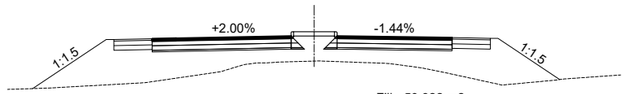
Fill - 48.037 m2

Ch:639+110
GL:116.201
DL:117.898



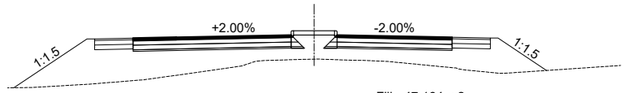
Fill - 43.647 m2

Ch:639+120
GL:116.167
DL:117.805



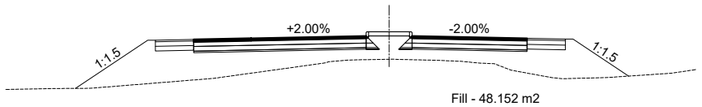
Fill - 50.922 m2

Ch:639+130
GL:116.136
DL:117.711



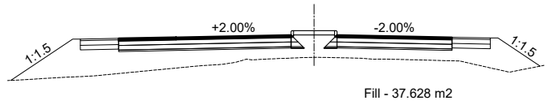
Fill - 47.164 m2

Ch:639+140
GL:116.101
DL:117.618



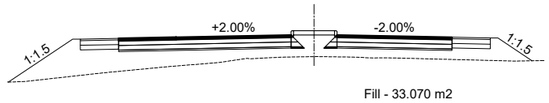
Fill - 48.152 m2

Ch:639+150
GL:116.062
DL:117.525



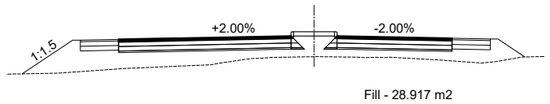
Fill - 37.628 m2

Ch:639+160
GL:116.019
DL:117.432



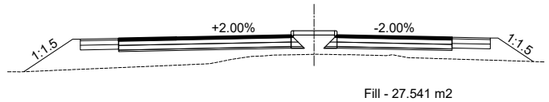
Fill - 33.070 m2

Ch:639+170
GL:115.988
DL:117.339



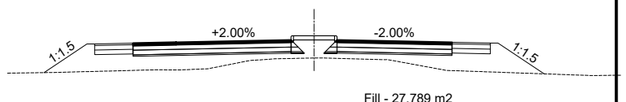
Fill - 28.917 m2

Ch:639+180
GL:115.984
DL:117.245



Fill - 27.541 m2

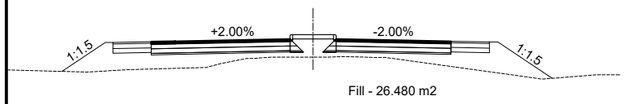
Ch:639+190
GL:115.980
DL:117.152



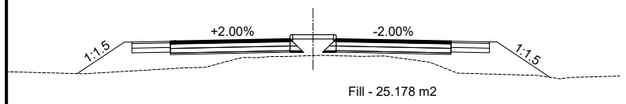
Fill - 27.789 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:639+050 - 639+190	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 331

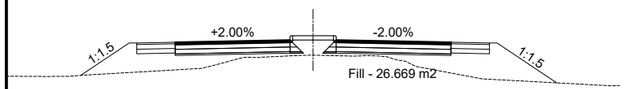
Ch:639+200
GL:115.872
DL:117.059



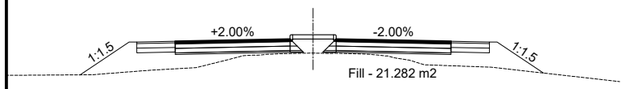
Ch:639+210
GL:115.883
DL:116.966



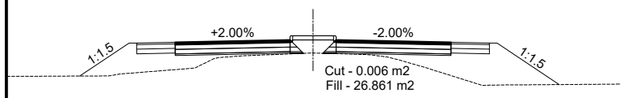
Ch:639+220
GL:115.881
DL:116.873



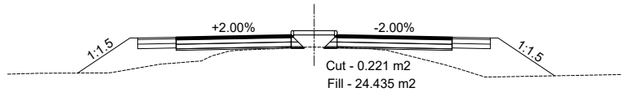
Ch:639+230
GL:115.862
DL:116.779



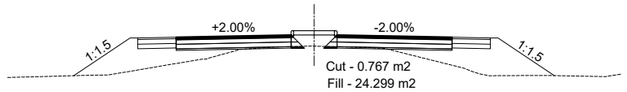
Ch:639+240
GL:115.837
DL:116.686



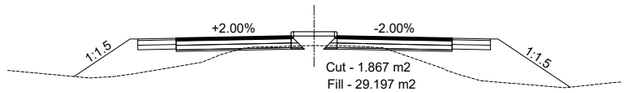
Ch:639+250
GL:115.804
DL:116.593



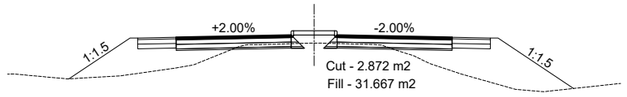
Ch:639+260
GL:115.771
DL:116.500



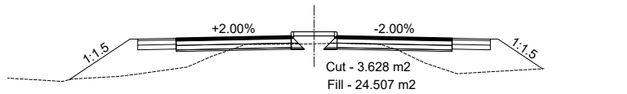
Ch:639+270
GL:115.776
DL:116.407



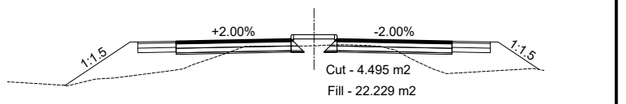
Ch:639+280
GL:115.786
DL:116.313



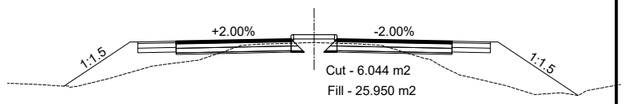
Ch:639+290
GL:115.714
DL:116.220



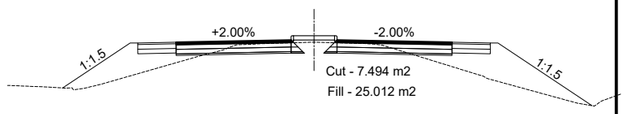
Ch:639+300
GL:115.675
DL:116.127



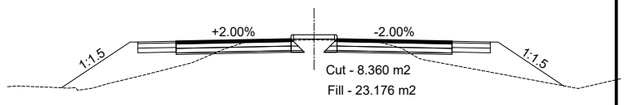
Ch:639+310
GL:115.798
DL:116.034



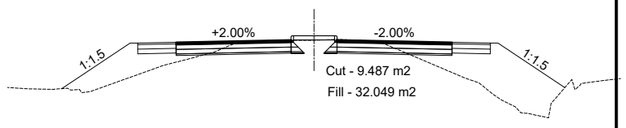
Ch:639+320
GL:115.797
DL:115.941



Ch:639+330
GL:115.796
DL:115.847

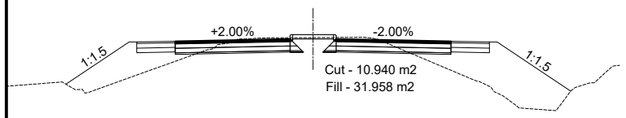


Ch:639+340
GL:115.742
DL:115.754

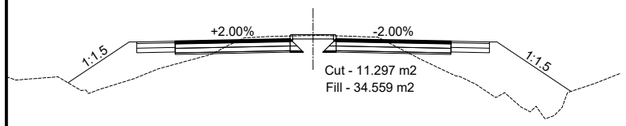


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:639+200 - 639+340	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 332
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

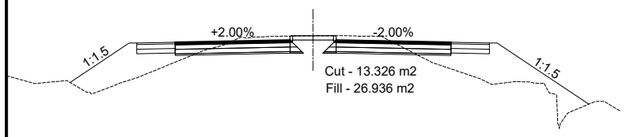
Ch:639+350
GL:115.748
DL:115.661



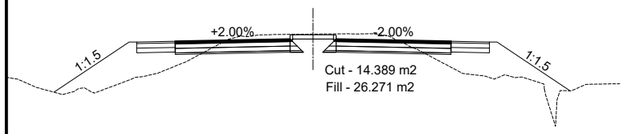
Ch:639+360
GL:115.790
DL:115.568



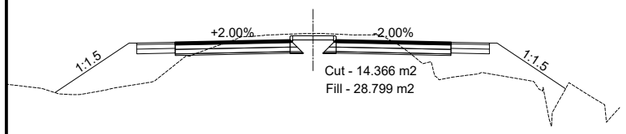
Ch:639+370
GL:115.749
DL:115.478



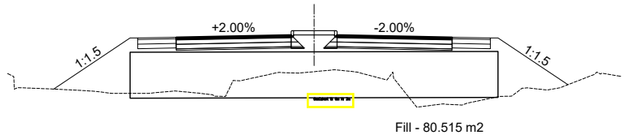
Ch:639+380
GL:115.730
DL:115.414



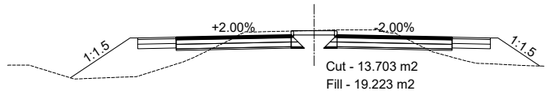
Ch:639+390
GL:115.803
DL:115.381



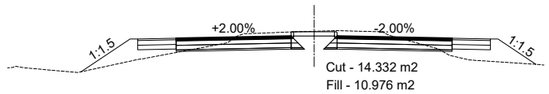
Ch:639+400
GL:112.984
DL:115.379



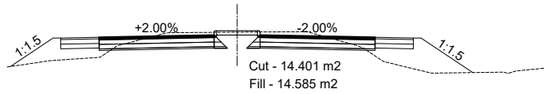
Ch:639+410
GL:115.698
DL:115.406



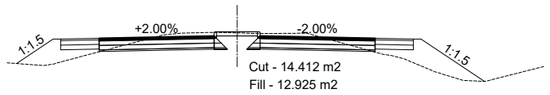
Ch:639+420
GL:115.743
DL:115.438



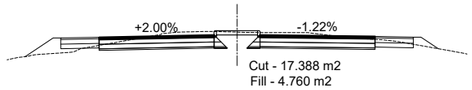
Ch:639+430
GL:115.653
DL:115.469



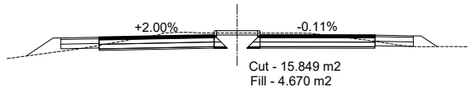
Ch:639+440
GL:115.704
DL:115.501



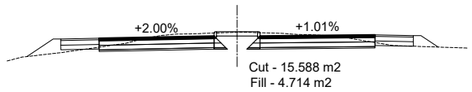
Ch:639+450
GL:115.720
DL:115.533



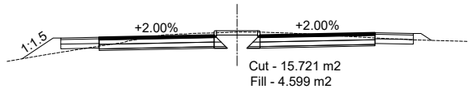
Ch:639+460
GL:115.687
DL:115.564



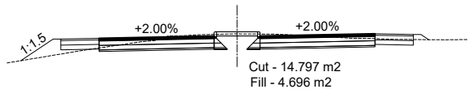
Ch:639+470
GL:115.839
DL:115.596



Ch:639+480
GL:115.812
DL:115.624

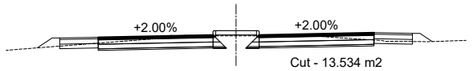


Ch:639+490
GL:115.775
DL:115.639

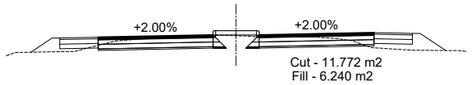


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:639+350 - 639+490	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 333

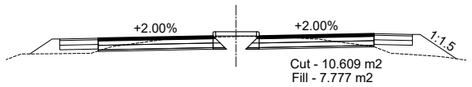
Ch:639+500
GL:115.578
DL:115.640



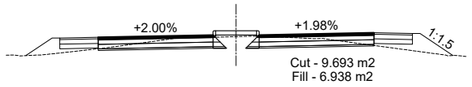
Ch:639+510
GL:115.573
DL:115.627



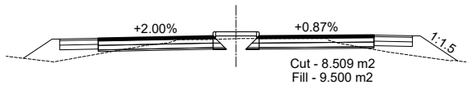
Ch:639+520
GL:115.563
DL:115.601



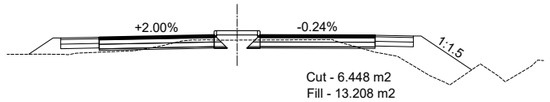
Ch:639+530
GL:115.455
DL:115.561



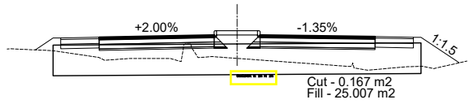
Ch:639+540
GL:115.333
DL:115.507



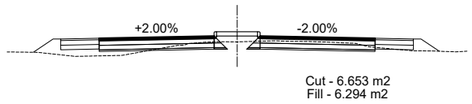
Ch:639+550
GL:115.104
DL:115.440



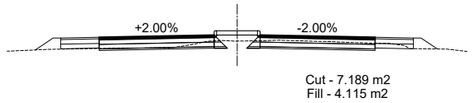
Ch:639+560
GL:113.831
DL:115.359



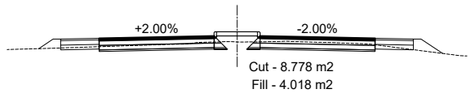
Ch:639+570
GL:114.882
DL:115.264



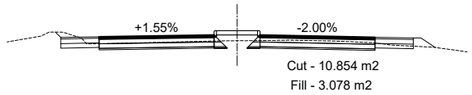
Ch:639+580
GL:114.759
DL:115.156



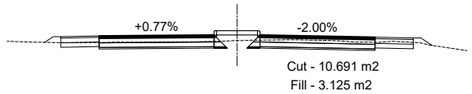
Ch:639+590
GL:114.648
DL:115.034



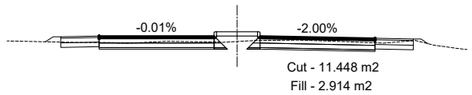
Ch:639+600
GL:114.522
DL:114.898



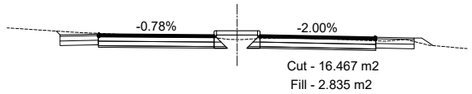
Ch:639+610
GL:114.380
DL:114.749



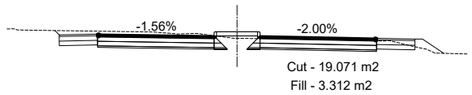
Ch:639+620
GL:114.226
DL:114.586



Ch:639+630
GL:114.113
DL:114.410

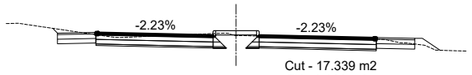


Ch:639+640
GL:114.072
DL:114.219



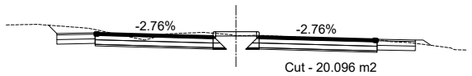
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:639+500 - 639+640	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 334

Ch:639+650
GL:113.976
DL:114.016



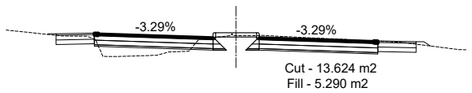
Cut - 17.339 m2
Fill - 3.033 m2

Ch:639+660
GL:113.827
DL:113.802



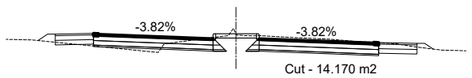
Cut - 20.096 m2
Fill - 2.755 m2

Ch:639+670
GL:113.676
DL:113.588



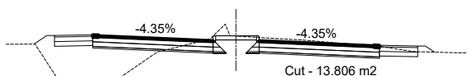
Cut - 13.624 m2
Fill - 5.290 m2

Ch:639+680
GL:113.634
DL:113.373



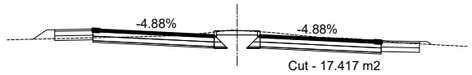
Cut - 14.170 m2
Fill - 3.653 m2

Ch:639+690
GL:113.414
DL:113.159



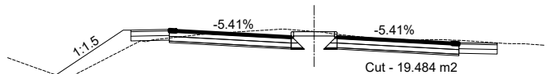
Cut - 13.806 m2
Fill - 17.072 m2

Ch:639+700
GL:113.243
DL:112.945



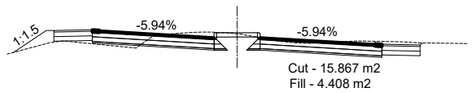
Cut - 17.417 m2
Fill - 3.220 m2

Ch:639+710
GL:113.025
DL:112.734



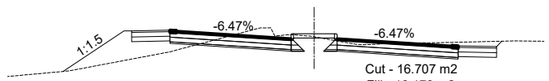
Cut - 19.484 m2
Fill - 7.199 m2

Ch:639+720
GL:112.748
DL:112.541



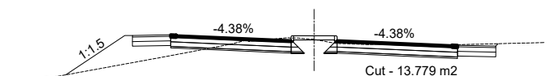
Cut - 15.867 m2
Fill - 4.408 m2

Ch:639+730
GL:112.450
DL:112.369



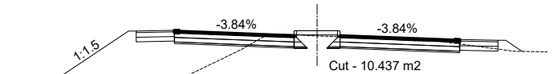
Cut - 16.707 m2
Fill - 10.173 m2

Ch:639+740
GL:112.257
DL:112.219



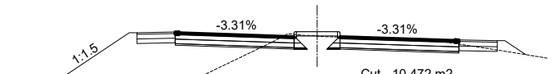
Cut - 13.779 m2
Fill - 9.758 m2

Ch:639+750
GL:112.025
DL:112.091



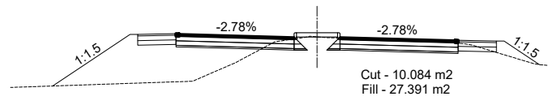
Cut - 10.437 m2
Fill - 25.247 m2

Ch:639+760
GL:111.983
DL:111.984



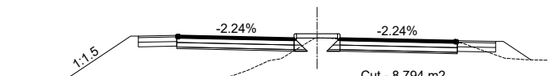
Cut - 10.472 m2
Fill - 27.430 m2

Ch:639+770
GL:111.910
DL:111.898



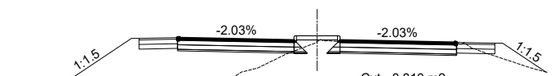
Cut - 10.084 m2
Fill - 27.391 m2

Ch:639+780
GL:111.835
DL:111.834



Cut - 8.794 m2
Fill - 33.596 m2

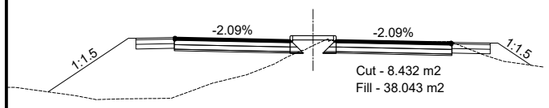
Ch:639+790
GL:111.684
DL:111.791



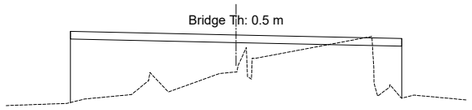
Cut - 8.810 m2
Fill - 35.768 m2

Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:639+650 - 639+790	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 335

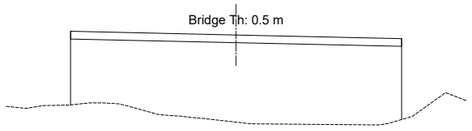
Ch:639+800
GL:111.410
DL:111.770



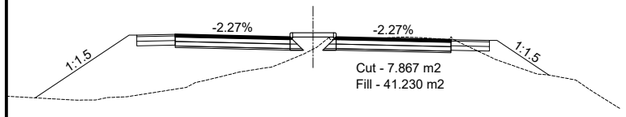
Ch:639+810
GL:109.351
DL:111.767



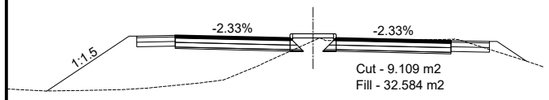
Ch:639+820
GL:106.084
DL:111.767



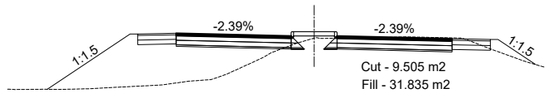
Ch:639+830
GL:110.973
DL:111.767



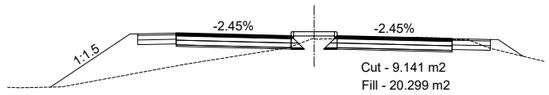
Ch:639+840
GL:111.576
DL:111.767



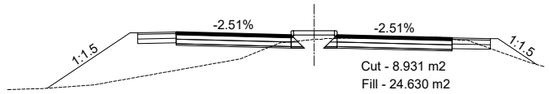
Ch:639+850
GL:111.624
DL:111.767



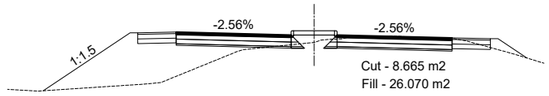
Ch:639+860
GL:111.568
DL:111.767



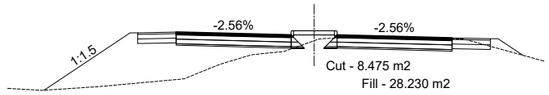
Ch:639+870
GL:111.480
DL:111.769



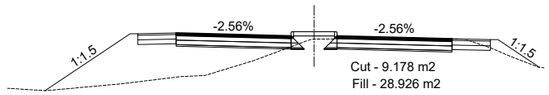
Ch:639+880
GL:111.287
DL:111.773



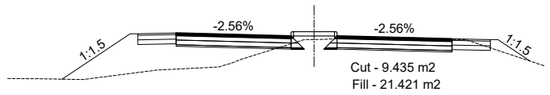
Ch:639+890
GL:111.409
DL:111.781



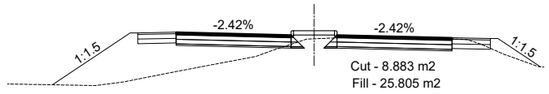
Ch:639+900
GL:111.581
DL:111.790



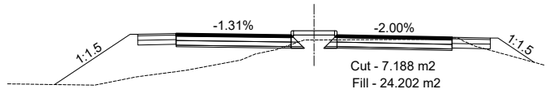
Ch:639+910
GL:111.568
DL:111.803



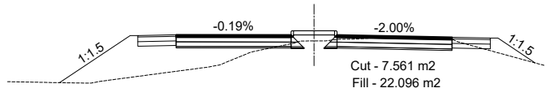
Ch:639+920
GL:111.566
DL:111.817



Ch:639+930
GL:111.505
DL:111.830

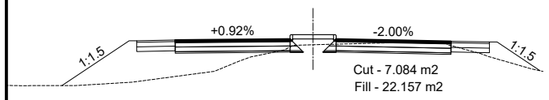


Ch:639+940
GL:111.457
DL:111.844

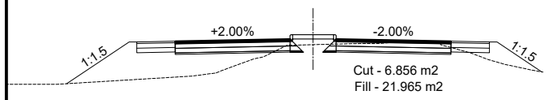


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TPE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:639+800 - 639+940	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 336

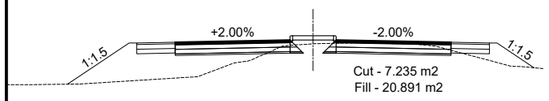
Ch:639+950
GL:111.478
DL:111.858



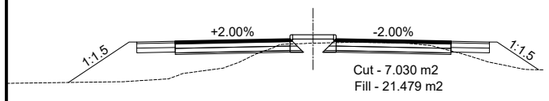
Ch:639+960
GL:111.499
DL:111.871



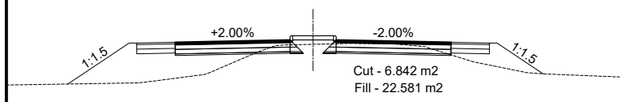
Ch:639+970
GL:111.638
DL:111.885



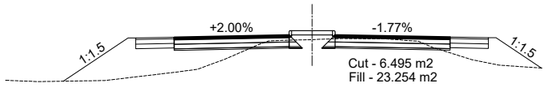
Ch:639+980
GL:111.624
DL:111.898



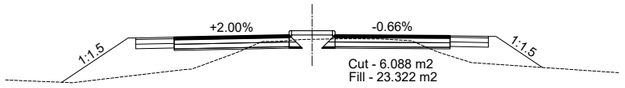
Ch:639+990
GL:111.630
DL:111.912



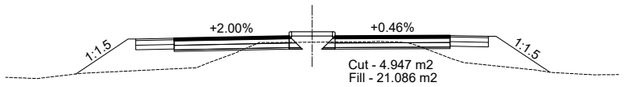
Ch:640+000
GL:111.622
DL:111.926



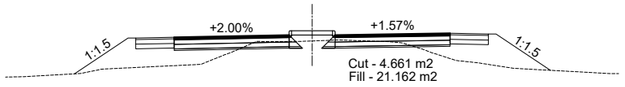
Ch:640+010
GL:111.655
DL:111.939



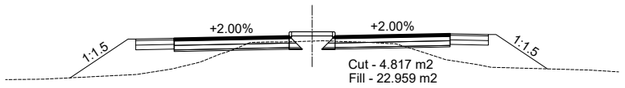
Ch:640+020
GL:111.545
DL:111.953



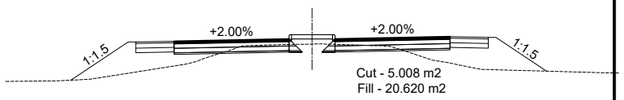
Ch:640+030
GL:111.578
DL:111.967



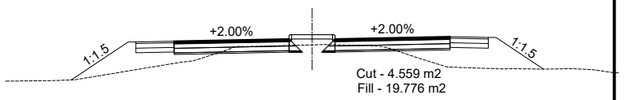
Ch:640+040
GL:111.649
DL:111.982



Ch:640+050
GL:111.678
DL:112.011



Ch:640+060
GL:111.671
DL:112.057



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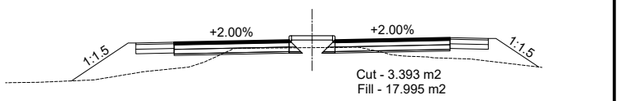
DL:112.122



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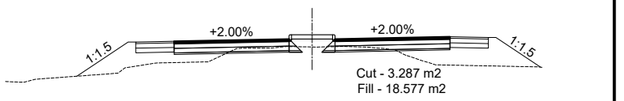

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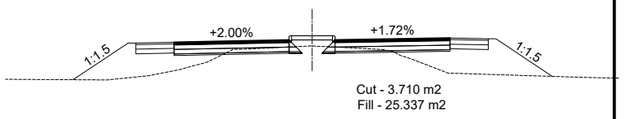
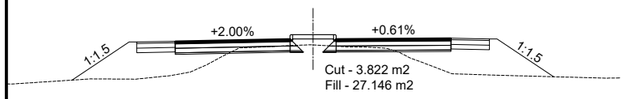


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association with ERMC P (Ltd), Nepal and TTE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:639+950 - 640+090	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022
					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 337

Ch:640+100
GL:112.017
DL:112.403



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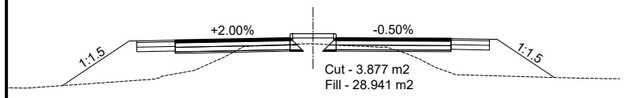

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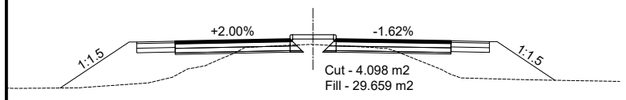

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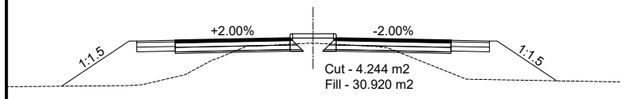

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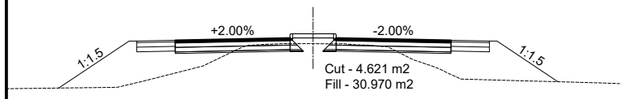

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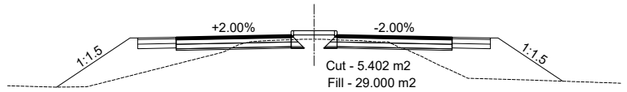

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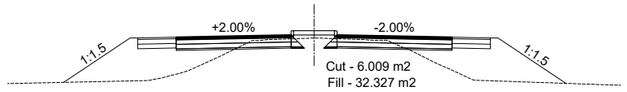
DL:112.951



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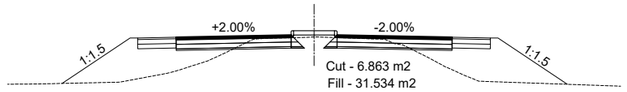
DL:113.010



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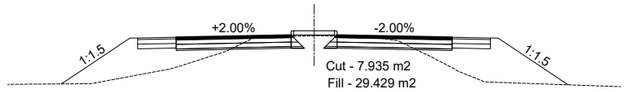

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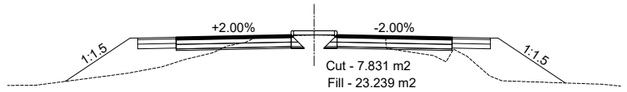
DL:113.095



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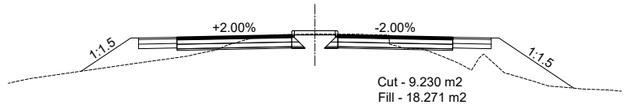

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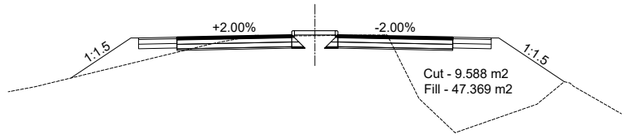
DL:113.136



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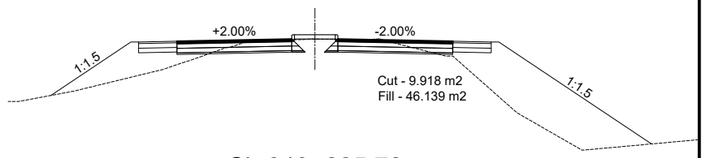
DL:113.149



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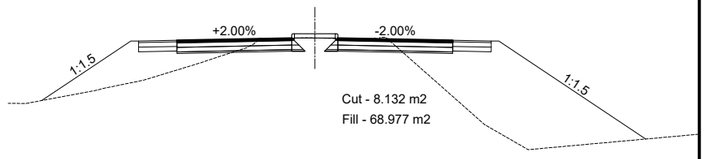
GL:113.156
DL:113.156



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					DESIGNED BY:	S.B. Shrestha				**DWG.NO.:** 4
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 338