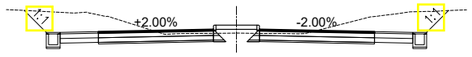
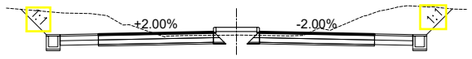
Ch:615+000
GL:151.335
DL:151.580



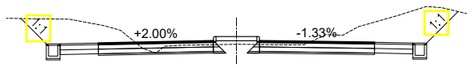
Cut - 29.803 m2
Fill - 2.471 m2

Ch:615+010
GL:151.249
DL:151.480



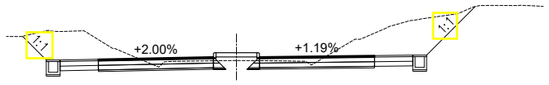
Cut - 33.766 m2
Fill - 2.471 m2

Ch:615+020
GL:151.150
DL:151.380



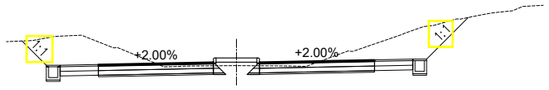
Cut - 34.428 m2
Fill - 2.471 m2

Ch:615+030
GL:151.048
DL:151.280



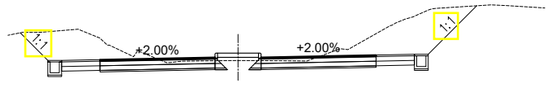
Cut - 36.687 m2
Fill - 2.471 m2

Ch:615+040
GL:150.954
DL:151.180



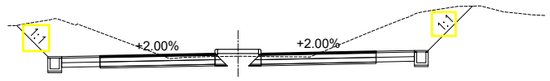
Cut - 36.052 m2
Fill - 2.471 m2

Ch:615+050
GL:150.872
DL:151.080



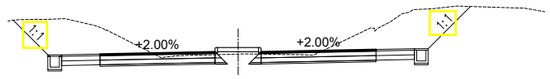
Cut - 39.704 m2
Fill - 2.471 m2

Ch:615+060
GL:150.803
DL:150.980



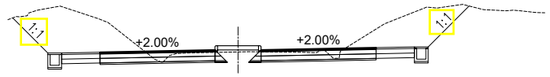
Cut - 41.543 m2
Fill - 2.471 m2

Ch:615+070
GL:150.729
DL:150.880



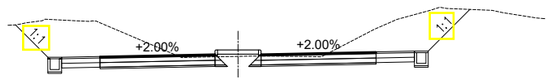
Cut - 42.244 m2
Fill - 2.471 m2

Ch:615+080
GL:150.651
DL:150.780



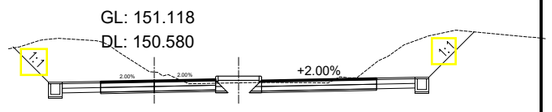
Cut - 42.295 m2
Fill - 2.471 m2

Ch:615+090
GL:150.537
DL:150.680



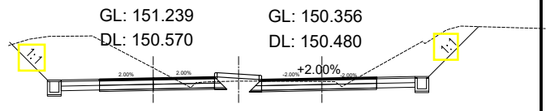
Cut - 45.749 m2
Fill - 2.471 m2

Ch:615+100
GL:150.418
DL:150.580



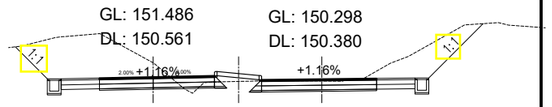
Cut - 47.158 m2
Fill - 2.471 m2

Ch:615+110
GL:150.375
DL:150.480



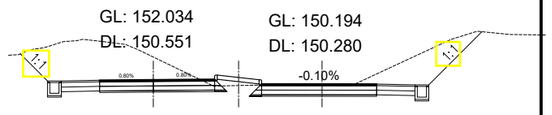
Cut - 46.773 m2
Fill - 2.471 m2

Ch:615+120
GL:150.271
DL:150.380



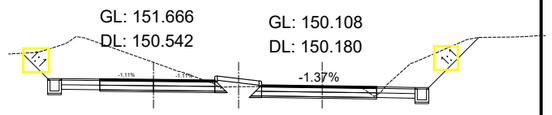
Cut - 46.226 m2
Fill - 2.477 m2

Ch:615+130
GL:150.178
DL:150.280



Cut - 50.228 m2
Fill - 2.471 m2

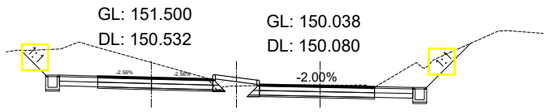
Ch:615+140
GL:150.083
DL:150.180



Cut - 45.008 m2
Fill - 2.471 m2

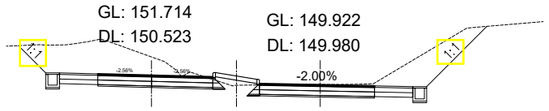
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:615+000 - 615+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.:** 169

Ch:615+150
GL:149.967
DL:150.080



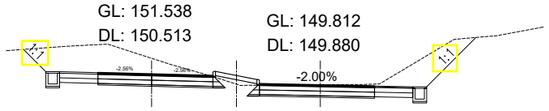
Cut - 42.139 m2
Fill - 2.471 m2

Ch:615+160
GL:149.868
DL:149.980



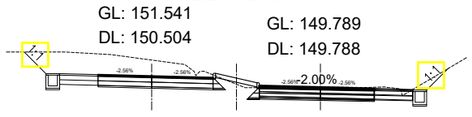
Cut - 49.443 m2
Fill - 2.471 m2

Ch:615+170
GL:149.850
DL:149.880



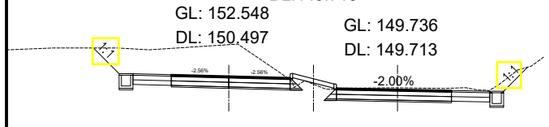
Cut - 46.576 m2
Fill - 2.471 m2

Ch:615+180
GL:149.967
DL:149.788



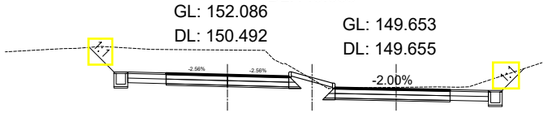
Cut - 40.661 m2
Fill - 2.471 m2

Ch:615+190
GL:149.975
DL:149.713



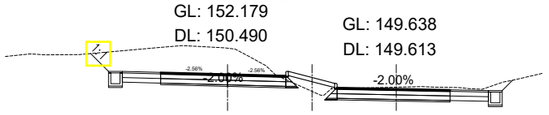
Cut - 48.736 m2
Fill - 2.471 m2

Ch:615+200
GL:150.191
DL:149.655



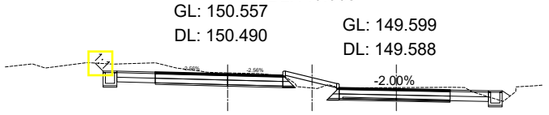
Cut - 51.713 m2
Fill - 2.471 m2

Ch:615+210
GL:149.365
DL:149.613



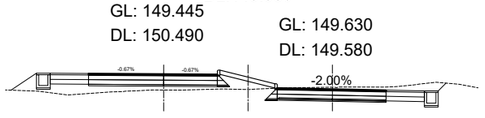
Cut - 47.003 m2
Fill - 2.762 m2

Ch:615+220
GL:149.570
DL:149.588



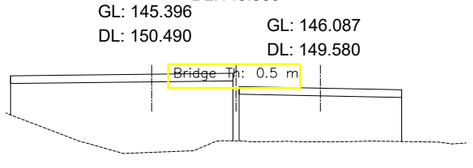
Cut - 33.864 m2
Fill - 3.243 m2

Ch:615+230
GL:149.478
DL:149.580

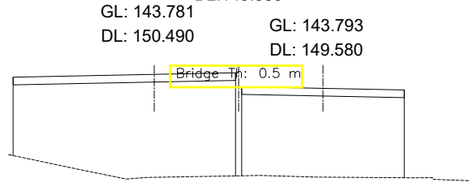


Cut - 18.079 m2
Fill - 3.396 m2

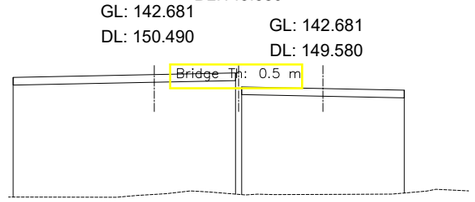
Ch:615+240
GL:146.144
DL:149.580



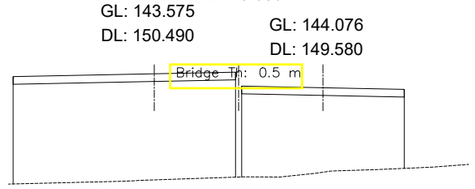
Ch:615+250
GL:143.879
DL:149.580



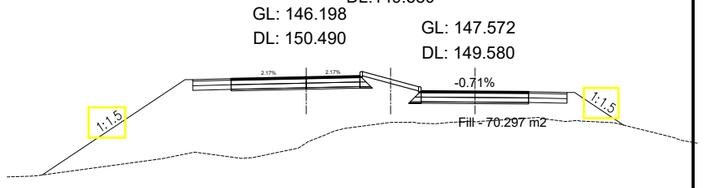
Ch:615+260
GL:142.684
DL:149.580



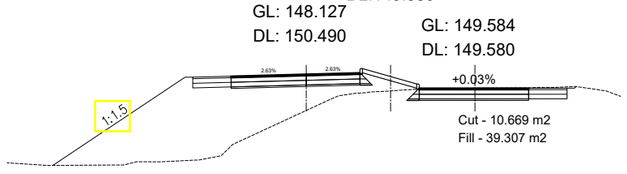
Ch:615+270
GL:143.762
DL:149.580



Ch:615+280
GL:147.529
DL:149.580



Ch:615+290
GL:149.400
DL:149.580



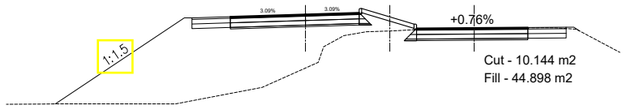
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:615+150 - 615+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.:** 170

Ch:615+300

GL:149.407
DL:149.580

GL: 146.992
DL: 150.490

GL: 149.597
DL: 149.580

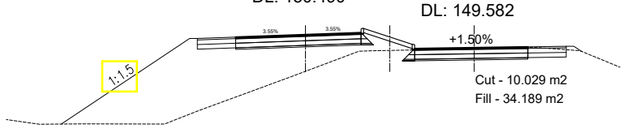


Ch:615+310

GL:149.459
DL:149.582

GL: 148.096
DL: 150.490

GL: 149.606
DL: 149.582

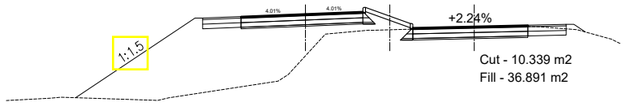


Ch:615+320

GL:149.454
DL:149.587

GL: 147.757
DL: 150.486

GL: 149.606
DL: 149.588

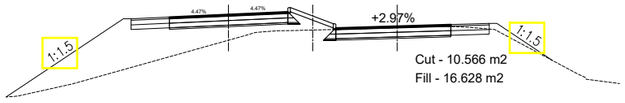


Ch:615+330

GL:149.460
DL:149.595

GL: 148.794
DL: 150.476

GL: 149.621
DL: 149.597

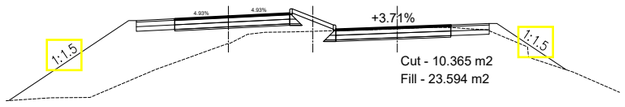


Ch:615+340

GL:149.466
DL:149.606

GL: 148.647
DL: 150.460

GL: 149.634
DL: 149.611

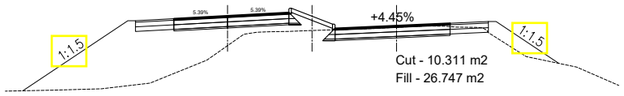


Ch:615+350

GL:149.478
DL:149.619

GL: 148.490
DL: 150.438

GL: 149.683
DL: 149.626

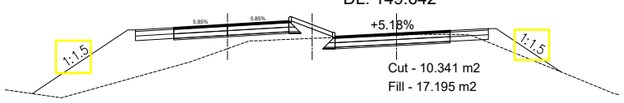


Ch:615+360

GL:149.514
DL:149.632

GL: 148.840
DL: 150.414

GL: 149.705
DL: 149.642

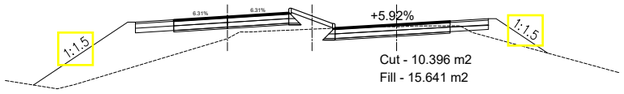


Ch:615+370

GL:149.554
DL:149.645

GL: 148.936
DL: 150.390

GL: 149.705
DL: 149.657

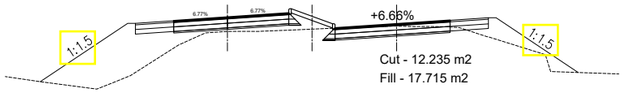


Ch:615+380

GL:149.581
DL:149.658

GL: 149.434
DL: 150.365

GL: 149.781
DL: 149.673

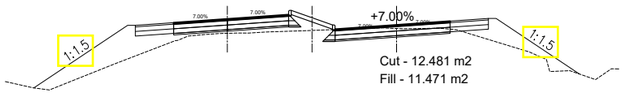


Ch:615+390

GL:149.587
DL:149.671

GL: 149.401
DL: 150.341

GL: 149.714
DL: 149.688

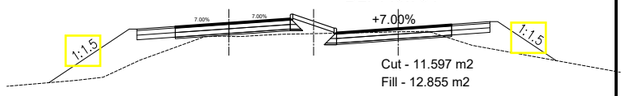


Ch:615+400

GL:149.599
DL:149.684

GL: 149.425
DL: 150.317

GL: 149.722
DL: 149.704

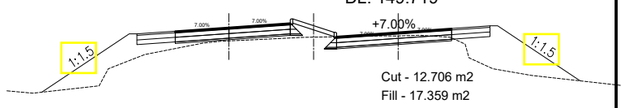


Ch:615+410

GL:149.658
DL:149.697

GL: 149.415
DL: 150.292

GL: 149.737
DL: 149.719

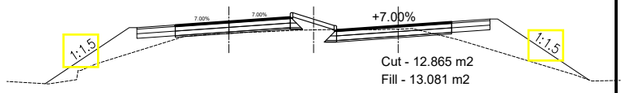


Ch:615+420

GL:149.700
DL:149.710

GL: 149.462
DL: 150.268

GL: 149.751
DL: 149.735

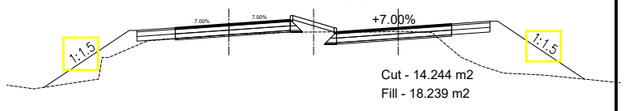


Ch:615+430

GL:149.720
DL:149.724

GL: 149.535
DL: 150.243

GL: 149.757
DL: 149.750

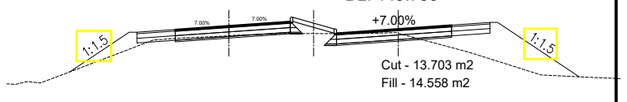


Ch:615+440

GL:149.710
DL:149.737

GL: 149.570
DL: 150.219

GL: 149.729
DL: 149.766

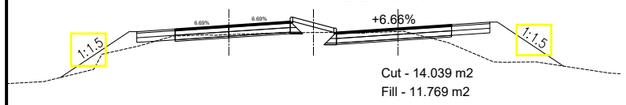


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:615+300 - 615+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.:** 171

Ch:615+450
GL:149.736
DL:149.750

GL: 149.600
DL: 150.195

GL: 149.802
DL: 149.781

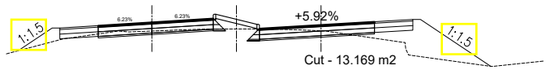


Cut - 14.039 m2
Fill - 11.769 m2

Ch:615+460
GL:149.734
DL:149.763

GL: 149.600
DL: 150.170

GL: 149.614
DL: 149.797

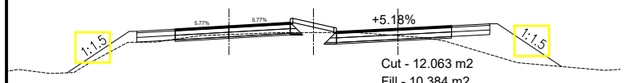


Cut - 13.169 m2
Fill - 10.809 m2

Ch:615+470
GL:149.726
DL:149.776

GL: 149.594
DL: 150.146

GL: 149.519
DL: 149.812

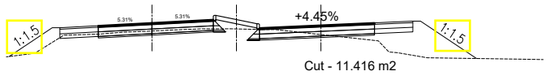


Cut - 12.063 m2
Fill - 10.384 m2

Ch:615+480
GL:149.726
DL:149.789

GL: 149.589
DL: 150.121

GL: 149.358
DL: 149.828

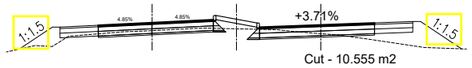


Cut - 11.416 m2
Fill - 11.710 m2

Ch:615+490
GL:149.695
DL:149.802

GL: 149.575
DL: 150.097

GL: 149.377
DL: 149.843

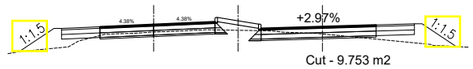


Cut - 10.555 m2
Fill - 8.143 m2

Ch:615+500
GL:149.687
DL:149.815

GL: 149.575
DL: 150.073

GL: 149.450
DL: 149.858

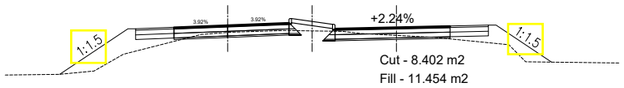


Cut - 9.753 m2
Fill - 10.651 m2

Ch:615+510
GL:149.674
DL:149.828

GL: 149.578
DL: 150.048

GL: 149.382
DL: 149.874

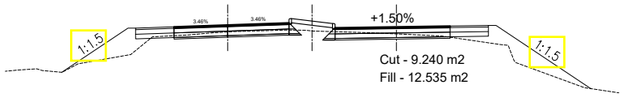


Cut - 8.402 m2
Fill - 11.454 m2

Ch:615+520
GL:149.631
DL:149.841

GL: 149.570
DL: 150.024

GL: 149.440
DL: 149.889

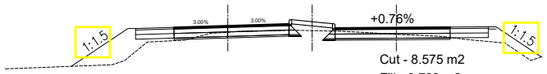


Cut - 9.240 m2
Fill - 12.535 m2

Ch:615+530
GL:149.681
DL:149.854

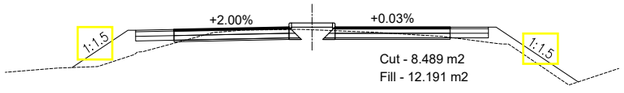
GL: 149.569
DL: 150.000

GL: 149.439
DL: 149.905



Cut - 8.575 m2
Fill - 9.723 m2

Ch:615+540
GL:149.699
DL:149.869

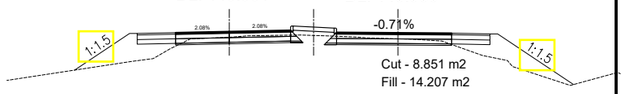


Cut - 8.489 m2
Fill - 12.191 m2

Ch:615+550
GL:149.696
DL:149.899

GL: 149.579
DL: 149.951

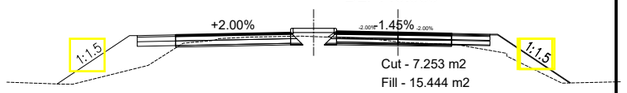
GL: 149.477
DL: 149.936



Cut - 8.851 m2
Fill - 14.207 m2

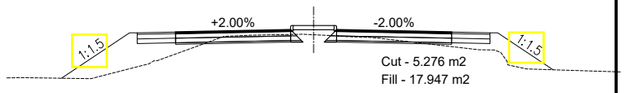
Ch:615+560
GL:149.679
DL:149.943

GL: 149.337
DL: 149.955



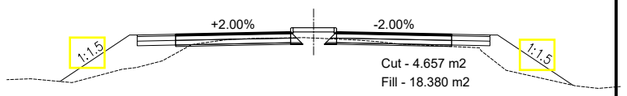
Cut - 7.253 m2
Fill - 15.444 m2

Ch:615+570
GL:149.677
DL:150.003



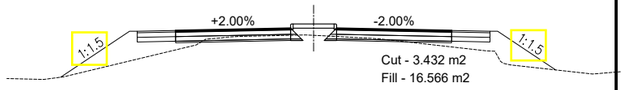
Cut - 5.276 m2
Fill - 17.947 m2

Ch:615+580
GL:149.682
DL:150.078



Cut - 4.657 m2
Fill - 18.380 m2

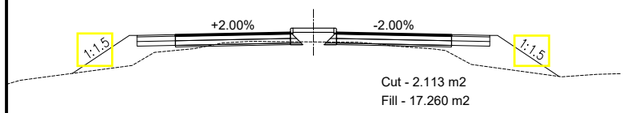
Ch:615+590
GL:149.699
DL:150.165



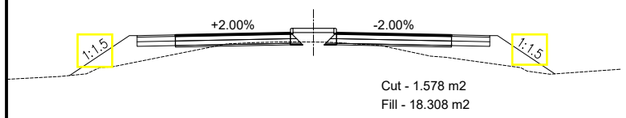
Cut - 3.432 m2
Fill - 16.566 m2

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:615+450 - 615+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.:** 172

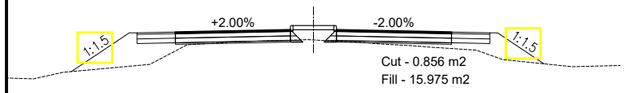
Ch:615+600
GL:149.631
DL:150.255



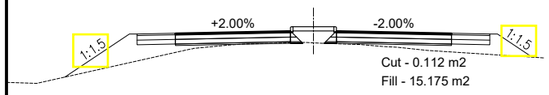
Ch:615+610
GL:149.724
DL:150.344



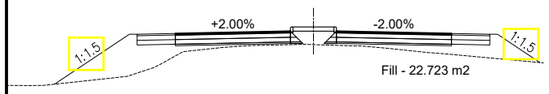
Ch:615+620
GL:149.769
DL:150.433



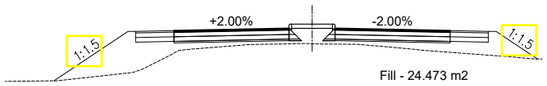
Ch:615+630
GL:149.748
DL:150.522



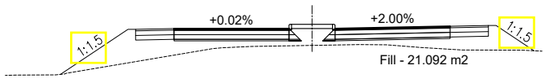
Ch:615+640
GL:149.734
DL:150.612



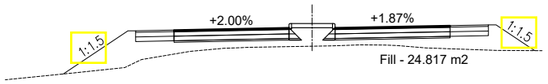
Ch:615+650
GL:149.697
DL:150.701



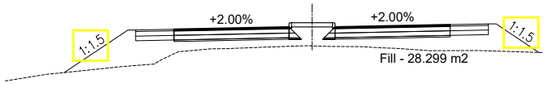
Ch:615+660
GL:149.692
DL:150.790



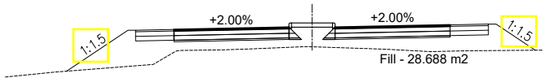
Ch:615+670
GL:149.676
DL:150.879



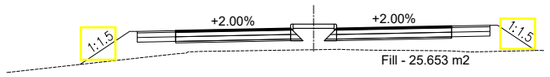
Ch:615+680
GL:149.735
DL:150.969



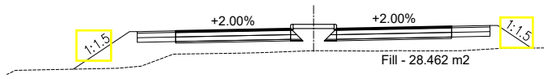
Ch:615+690
GL:149.780
DL:151.058



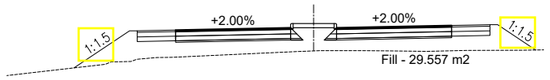
Ch:615+700
GL:149.754
DL:151.147



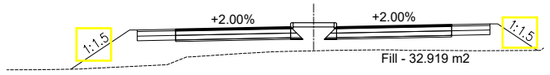
Ch:615+710
GL:149.795
DL:151.236



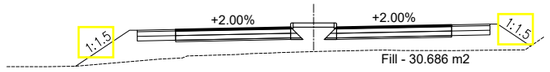
Ch:615+720
GL:149.817
DL:151.326



Ch:615+730
GL:149.860
DL:151.415

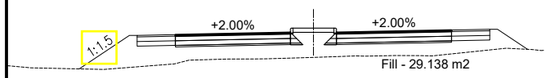


Ch:615+740
GL:149.913
DL:151.504

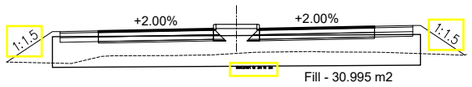


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:615+600 - 615+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.:** 173

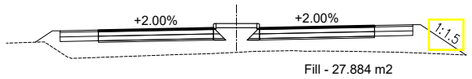
Ch:615+750
GL:149.960
DL:151.593



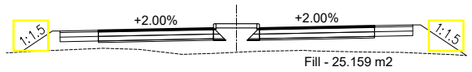
Ch:615+760
GL:150.062
DL:151.683



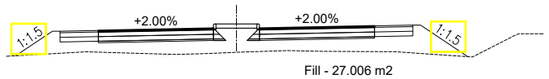
Ch:615+770
GL:150.168
DL:151.772



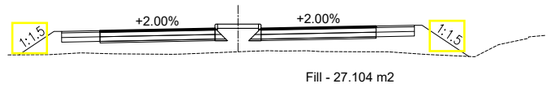
Ch:615+780
GL:150.275
DL:151.861



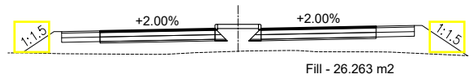
Ch:615+790
GL:150.376
DL:151.950



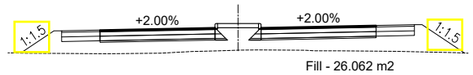
Ch:615+800
GL:150.512
DL:152.040



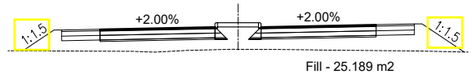
Ch:615+810
GL:150.647
DL:152.129



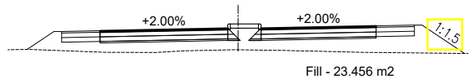
Ch:615+820
GL:150.756
DL:152.218



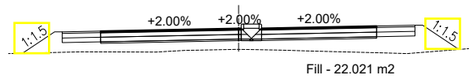
Ch:615+830
GL:150.850
DL:152.307



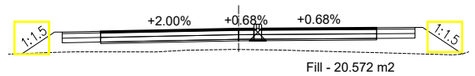
Ch:615+840
GL:150.993
DL:152.396



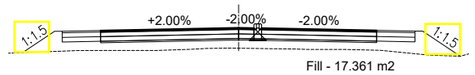
Ch:615+850
GL:151.114
DL:152.486



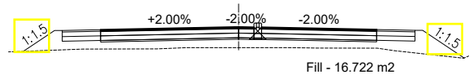
Ch:615+860
GL:151.210
DL:152.575



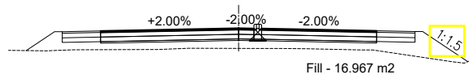
Ch:615+870
GL:151.329
DL:152.664



Ch:615+880
GL:151.399
DL:152.747

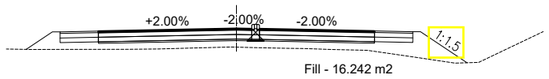


Ch:615+890
GL:151.502
DL:152.821

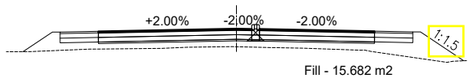


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:615+750 - 615+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.:** 174

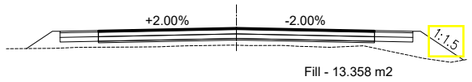
Ch:615+900
GL:151.659
DL:152.886



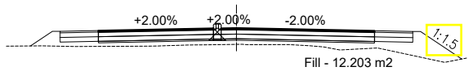
Ch:615+910
GL:151.756
DL:152.941



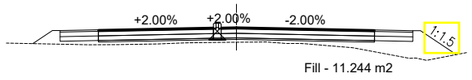
Ch:615+920
GL:151.851
DL:152.989



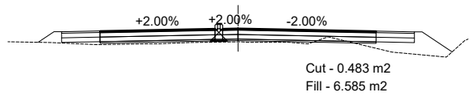
Ch:615+930
GL:151.957
DL:153.027



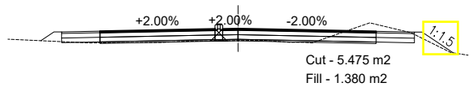
Ch:615+940
GL:152.073
DL:153.056



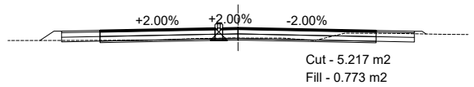
Ch:615+950
GL:152.197
DL:153.076



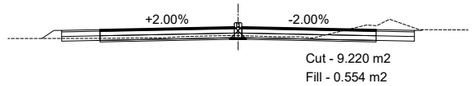
Ch:615+960
GL:152.301
DL:153.087



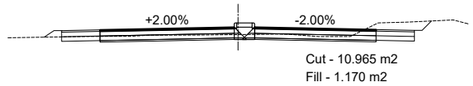
Ch:615+970
GL:152.424
DL:153.090



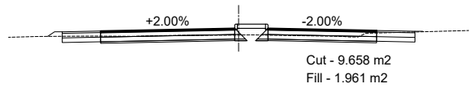
Ch:615+980
GL:152.527
DL:153.090



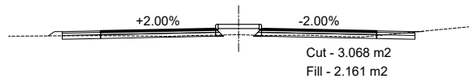
Ch:615+990
GL:152.608
DL:153.090



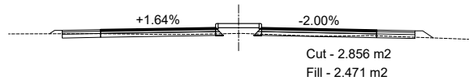
Ch:616+000
GL:152.653
DL:153.090



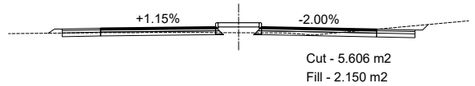
Ch:616+010
GL:152.690
DL:153.089



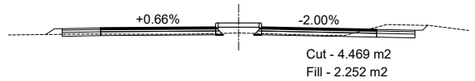
Ch:616+020
GL:152.718
DL:153.089



Ch:616+030
GL:152.714
DL:153.089

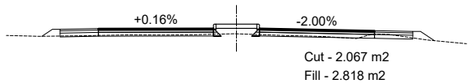


Ch:616+040
GL:152.709
DL:153.089

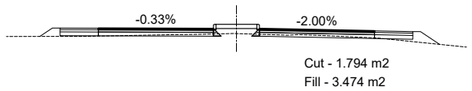


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:615+900 - 616+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.:** 175

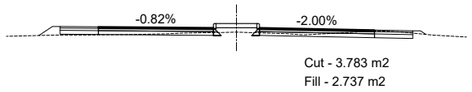
Ch:616+050
GL:152.734
DL:153.089



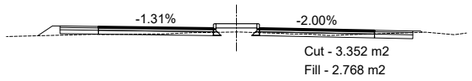
Ch:616+060
GL:152.762
DL:153.089



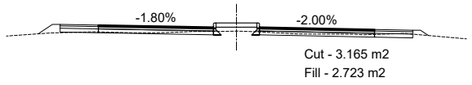
Ch:616+070
GL:152.804
DL:153.089



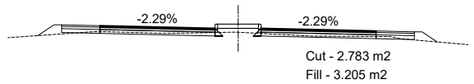
Ch:616+080
GL:152.827
DL:153.089



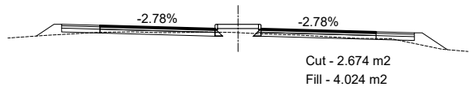
Ch:616+090
GL:152.830
DL:153.089



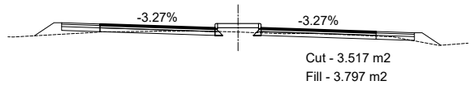
Ch:616+100
GL:152.834
DL:153.089



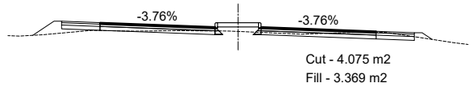
Ch:616+110
GL:152.822
DL:153.088



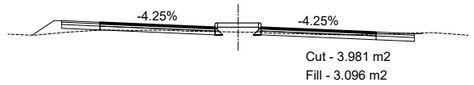
Ch:616+120
GL:152.811
DL:153.088



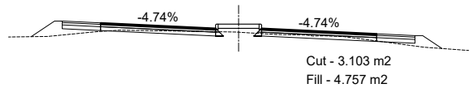
Ch:616+130
GL:152.797
DL:153.088



Ch:616+140
GL:152.771
DL:153.088



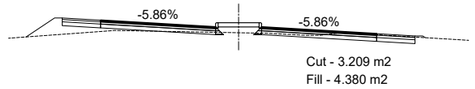
Ch:616+150
GL:152.835
DL:153.088



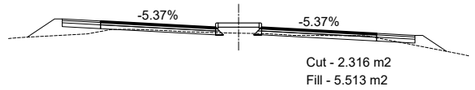
Ch:616+160
GL:152.754
DL:153.088

Ch:616+170
GL:152.742
DL:153.088

Ch:616+180
GL:152.711
DL:153.088

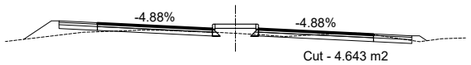


Ch:616+190
GL:152.696
DL:153.088



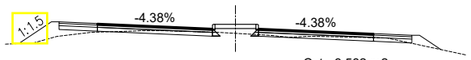
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:616+050 - 616+190	**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.:** 176

Ch:616+200
GL:152.762
DL:153.088



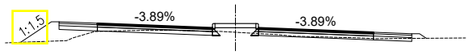
Cut - 4.643 m2
Fill - 4.443 m2

Ch:616+210
GL:152.775
DL:153.087



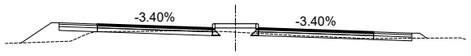
Cut - 3.582 m2
Fill - 5.532 m2

Ch:616+220
GL:152.793
DL:153.087



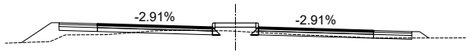
Cut - 2.629 m2
Fill - 4.903 m2

Ch:616+230
GL:152.813
DL:153.087



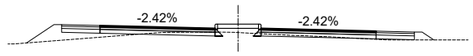
Cut - 2.719 m2
Fill - 4.941 m2

Ch:616+240
GL:152.821
DL:153.087



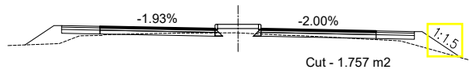
Cut - 2.258 m2
Fill - 4.857 m2

Ch:616+250
GL:152.813
DL:153.087



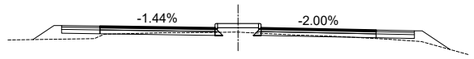
Cut - 1.947 m2
Fill - 5.274 m2

Ch:616+260
GL:152.804
DL:153.087



Cut - 1.757 m2
Fill - 6.505 m2

Ch:616+270
GL:152.802
DL:153.087

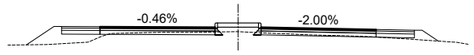


Cut - 1.728 m2
Fill - 5.195 m2

Ch:616+280
GL:152.798
DL:153.087

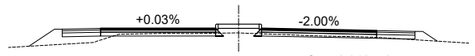
Cut - 1.670 m2
Fill - 5.692 m2

Ch:616+290
GL:152.795
DL:153.087



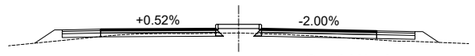
Cut - 1.945 m2
Fill - 5.634 m2

Ch:616+300
GL:152.792
DL:153.087



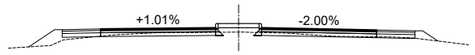
Cut - 2.312 m2
Fill - 5.067 m2

Ch:616+310
GL:152.797
DL:153.086



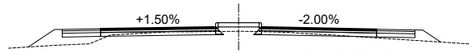
Cut - 2.323 m2
Fill - 4.101 m2

Ch:616+320
GL:152.804
DL:153.086



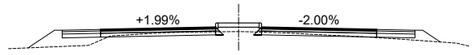
Cut - 2.808 m2
Fill - 3.923 m2

Ch:616+330
GL:152.804
DL:153.086



Cut - 2.587 m2
Fill - 5.619 m2

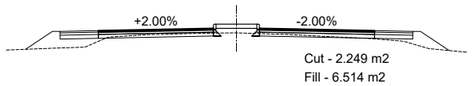
Ch:616+340
GL:152.798
DL:153.086



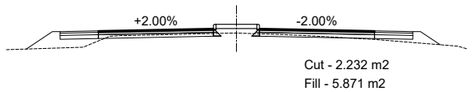
Cut - 2.423 m2
Fill - 5.640 m2

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:616+200 - 616+340	**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.:** 177

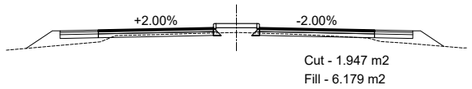
Ch:616+350
GL:152.793
DL:153.086



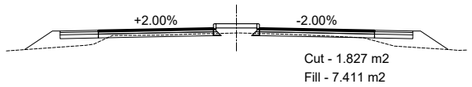
Ch:616+360
GL:152.791
DL:153.086



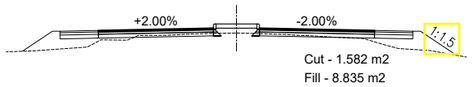
Ch:616+370
GL:152.778
DL:153.086



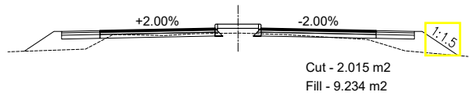
Ch:616+380
GL:152.758
DL:153.086



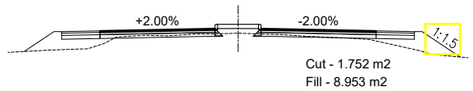
Ch:616+390
GL:152.768
DL:153.086



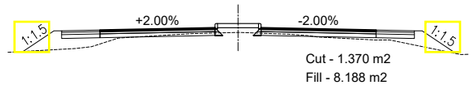
Ch:616+400
GL:152.777
DL:153.086



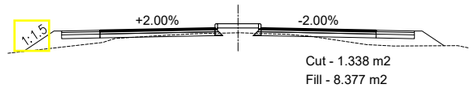
Ch:616+410
GL:152.779
DL:153.085



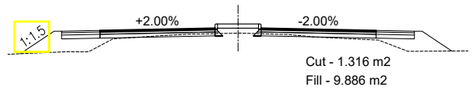
Ch:616+420
GL:152.780
DL:153.085



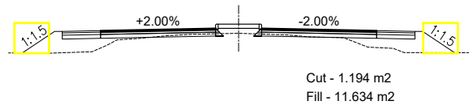
Ch:616+430
GL:152.770
DL:153.085



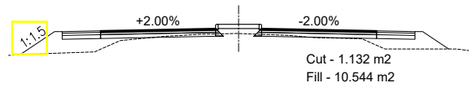
Ch:616+440
GL:152.760
DL:153.085



Ch:616+450
GL:152.760
DL:153.085

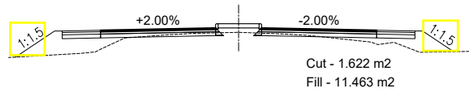


Ch:616+460
GL:152.759
DL:153.085

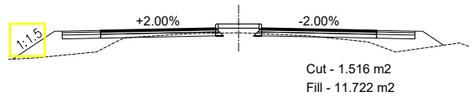


Ch:616+470
GL:152.786
DL:153.085

Ch:616+480
GL:152.800
DL:153.085

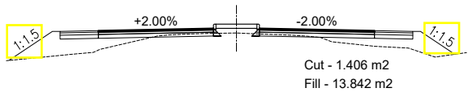


Ch:616+490
GL:152.787
DL:153.085

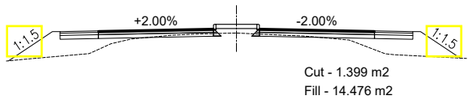


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:616+350 - 616+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.:** 178

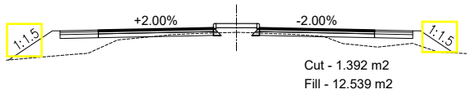
Ch:616+500
GL:152.782
DL:153.085



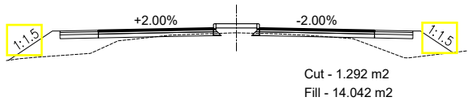
Ch:616+510
GL:152.790
DL:153.084



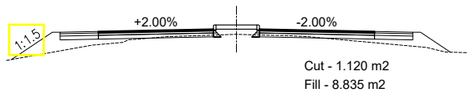
Ch:616+520
GL:152.786
DL:153.084



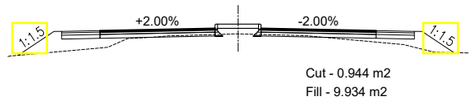
Ch:616+530
GL:152.768
DL:153.084



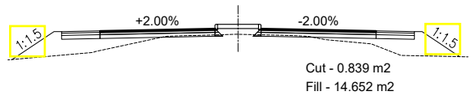
Ch:616+540
GL:152.746
DL:153.084



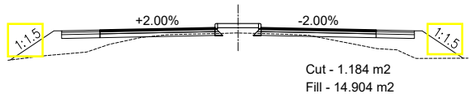
Ch:616+550
GL:152.724
DL:153.084



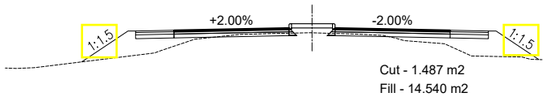
Ch:616+560
GL:152.709
DL:153.084



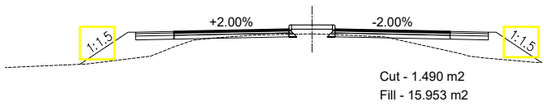
Ch:616+570
GL:152.742
DL:153.084



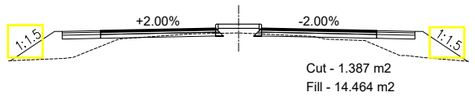
Ch:616+580
GL:152.769
DL:153.084



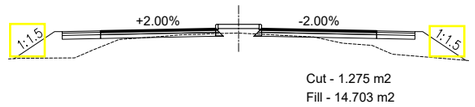
Ch:616+590
GL:152.776
DL:153.084



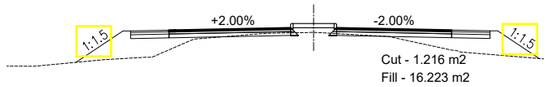
Ch:616+600
GL:152.783
DL:153.083



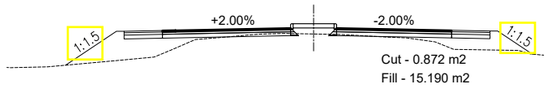
Ch:616+610
GL:152.786
DL:153.083



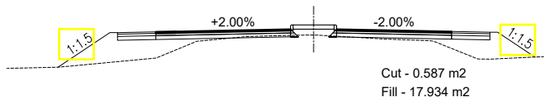
Ch:616+620
GL:152.789
DL:153.088



Ch:616+630
GL:152.719
DL:153.112

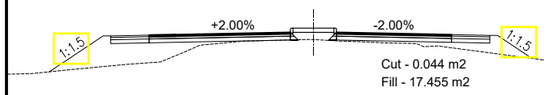


Ch:616+640
GL:152.770
DL:153.156

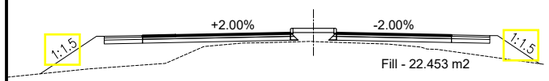


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:616+500 - 616+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.:** 179

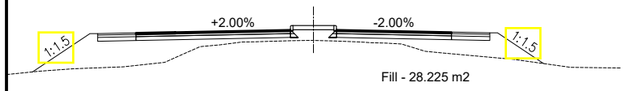
Ch:616+650
GL:152.751
DL:153.220



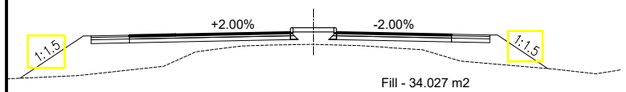
Ch:616+660
GL:152.718
DL:153.305



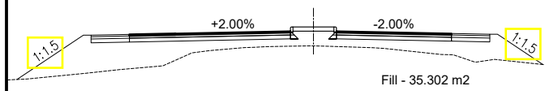
Ch:616+670
GL:152.710
DL:153.407



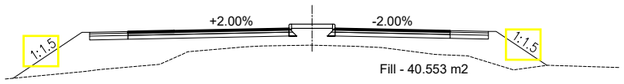
Ch:616+680
GL:152.698
DL:153.509



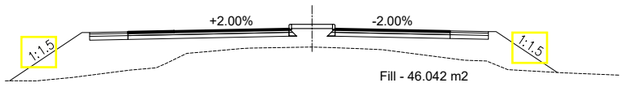
Ch:616+690
GL:152.651
DL:153.611



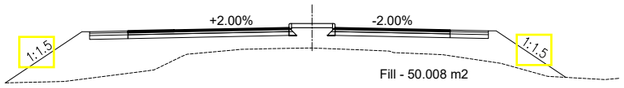
Ch:616+700
GL:152.616
DL:153.713



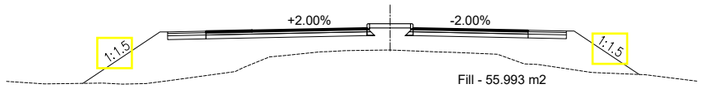
Ch:616+710
GL:152.608
DL:153.815



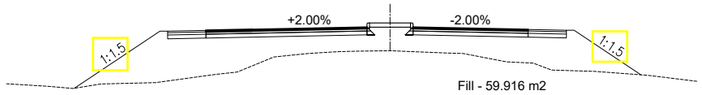
Ch:616+720
GL:152.598
DL:153.918



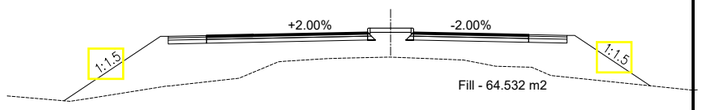
Ch:616+730
GL:152.582
DL:154.018



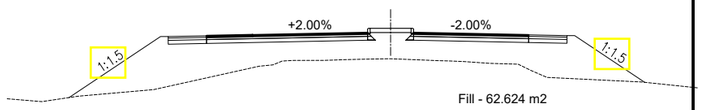
Ch:616+740
GL:152.574
DL:154.109



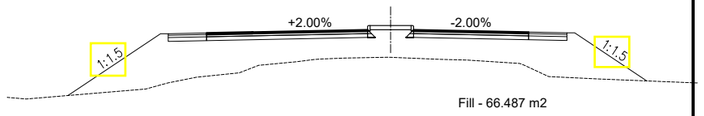
Ch:616+750
GL:152.573
DL:154.187



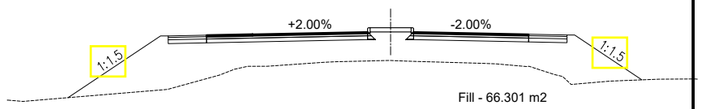
Ch:616+760
GL:152.545
DL:154.253



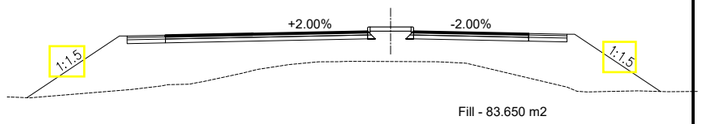
Ch:616+770
GL:152.512
DL:154.308



Ch:616+780
GL:152.492
DL:154.350



Ch:616+790
GL:152.402
DL:154.381

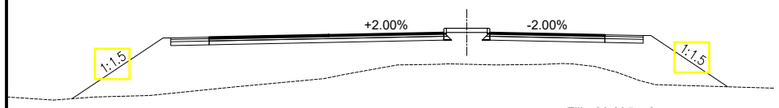


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:616+650 - 616+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.:** 180

Ch:616+800
GL:152.370
DL:154.400

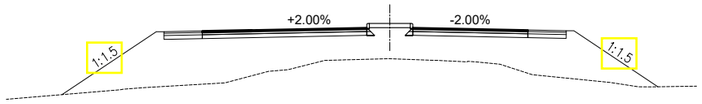
Fill - 112.176 m2

Ch:616+810
GL:152.334
DL:154.406



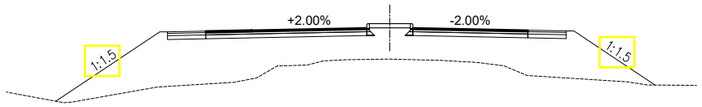
Fill - 86.895 m2

Ch:616+820
GL:152.378
DL:154.401



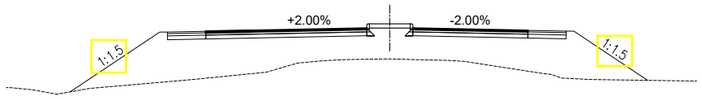
Fill - 79.690 m2

Ch:616+830
GL:152.352
DL:154.384



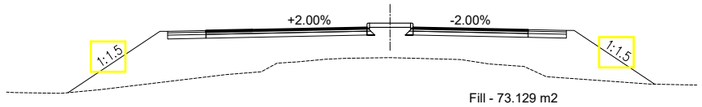
Fill - 80.073 m2

Ch:616+840
GL:152.345
DL:154.355



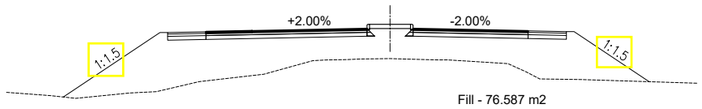
Fill - 72.676 m2

Ch:616+850
GL:152.340
DL:154.314



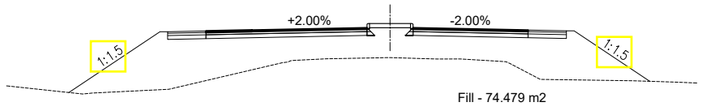
Fill - 73.129 m2

Ch:616+860
GL:152.304
DL:154.262



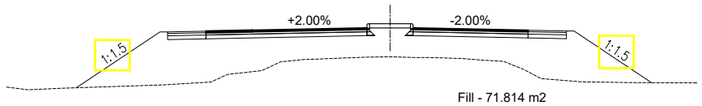
Fill - 76.587 m2

Ch:616+870
GL:152.252
DL:154.197



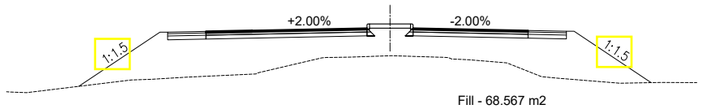
Fill - 74.479 m2

Ch:616+880
GL:152.242
DL:154.120



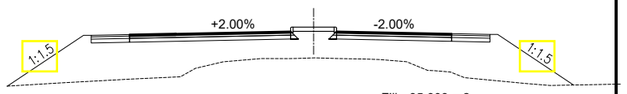
Fill - 71.814 m2

Ch:616+890
GL:152.234
DL:154.032



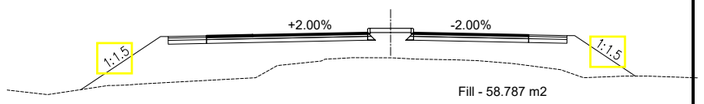
Fill - 68.567 m2

Ch:616+900
GL:152.201
DL:153.931



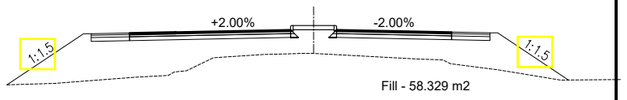
Fill - 65.608 m2

Ch:616+910
GL:152.174
DL:153.819



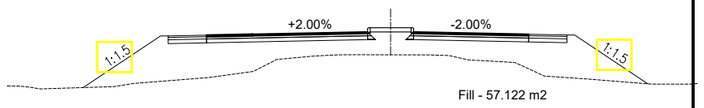
Fill - 58.787 m2

Ch:616+920
GL:152.151
DL:153.695



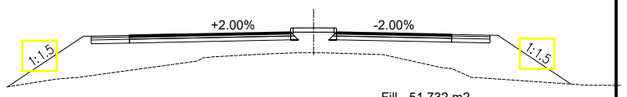
Fill - 58.329 m2

Ch:616+930
GL:152.071
DL:153.560



Fill - 57.122 m2

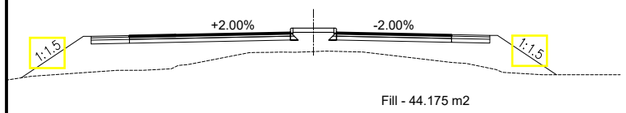
Ch:616+940
GL:152.084
DL:153.424



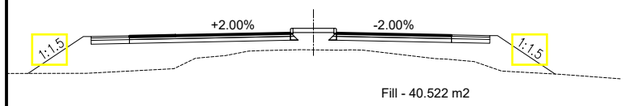
Fill - 51.732 m2

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:616+800 - 616+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.:** 181

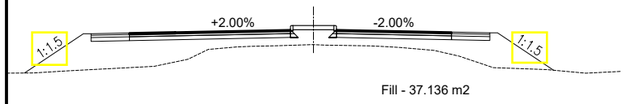
Ch:616+950
GL:152.033
DL:153.288



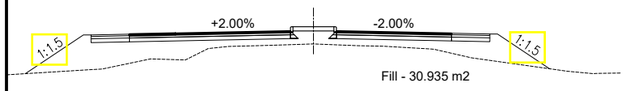
Ch:616+960
GL:152.024
DL:153.152



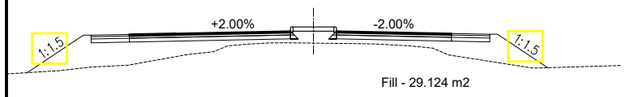
Ch:616+970
GL:152.046
DL:153.016



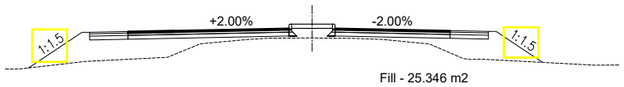
Ch:616+980
GL:152.035
DL:152.880



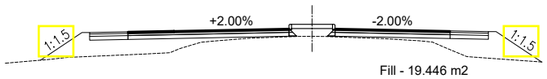
Ch:616+990
GL:151.966
DL:152.744



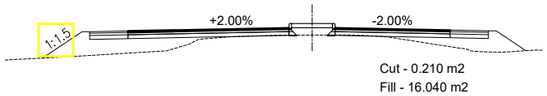
Ch:617+000
GL:151.982
DL:152.608



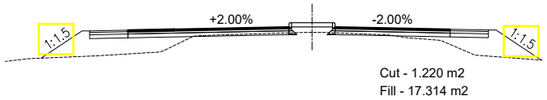
Ch:617+010
GL:151.965
DL:152.473



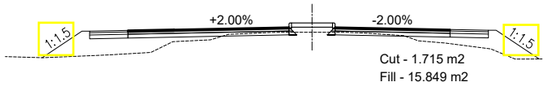
Ch:617+020
GL:151.878
DL:152.356



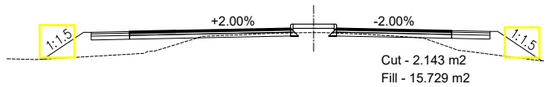
Ch:617+030
GL:151.910
DL:152.265



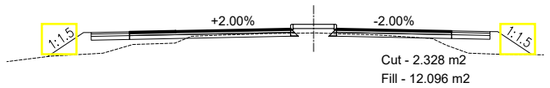
Ch:617+040
GL:151.868
DL:152.200



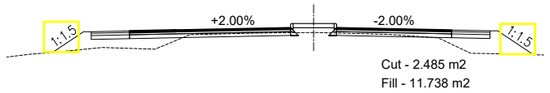
Ch:617+050
GL:151.881
DL:152.161



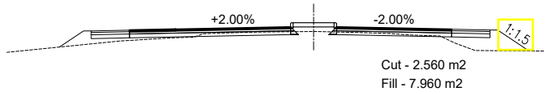
Ch:617+060
GL:151.861
DL:152.147



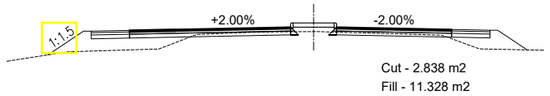
Ch:617+070
GL:151.831
DL:152.140



Ch:617+080
GL:151.837
DL:152.134

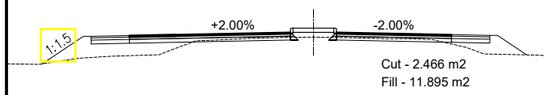


Ch:617+090
GL:151.838
DL:152.127

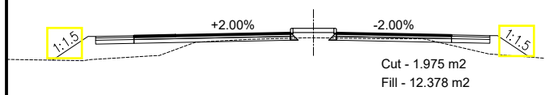


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:616+950 - 617+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.:** 182

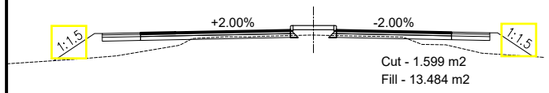
Ch:617+100
GL:151.807
DL:152.121



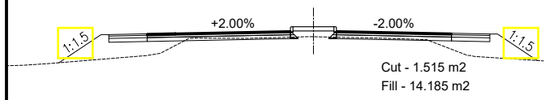
Ch:617+110
GL:151.775
DL:152.114



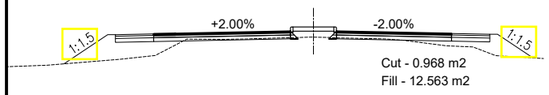
Ch:617+120
GL:151.760
DL:152.108



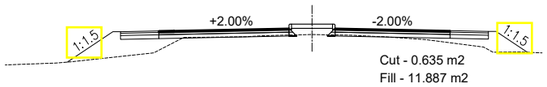
Ch:617+130
GL:151.726
DL:152.101



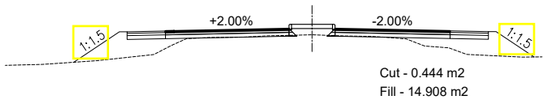
Ch:617+140
GL:151.704
DL:152.095



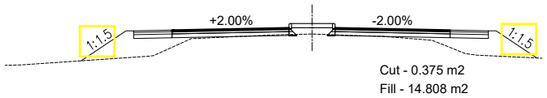
Ch:617+150
GL:151.685
DL:152.088



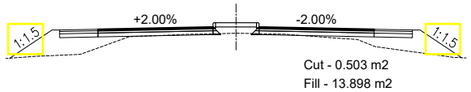
Ch:617+160
GL:151.676
DL:152.082



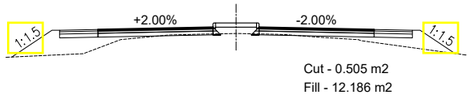
Ch:617+170
GL:151.667
DL:152.075



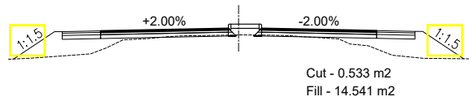
Ch:617+180
GL:151.659
DL:152.069



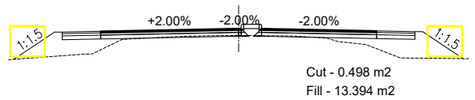
Ch:617+190
GL:151.651
DL:152.062



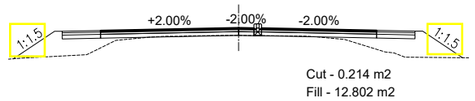
Ch:617+200
GL:151.626
DL:152.056



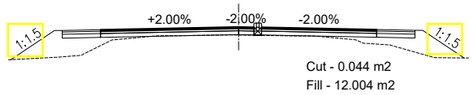
Ch:617+210
GL:151.598
DL:152.049



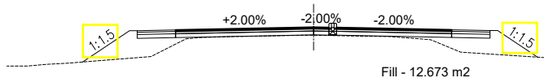
Ch:617+220
GL:151.546
DL:152.043



Ch:617+230
GL:151.507
DL:152.037

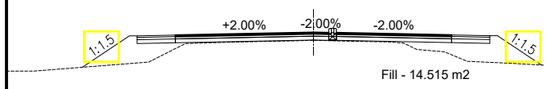


Ch:617+240
GL:151.504
DL:152.030

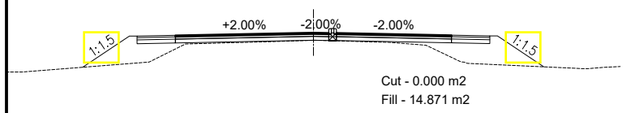


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:**	**IMPLEMENTING AGENCY:**	**SHEET TITLE:**	**SCALE:**		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:**
	Soosung Engineering Co. Ltd, Korea in association with	**DOR, DCID**	Cross Section OF Ch:617+100 - 617+240	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
	TSE-Tech Studio of Engineeering	Butwal - Gorusinghe Section			APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 183

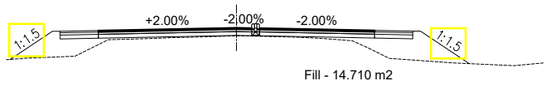
Ch:617+250
GL:151.508
DL:152.024



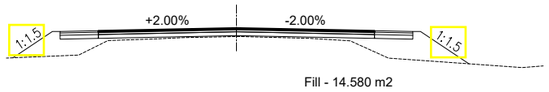
Ch:617+260
GL:151.513
DL:152.017



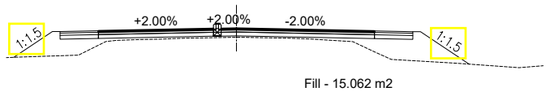
Ch:617+270
GL:151.486
DL:152.011



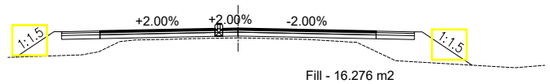
Ch:617+280
GL:151.446
DL:152.004



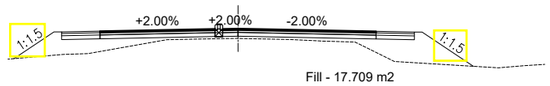
Ch:617+290
GL:151.407
DL:151.998



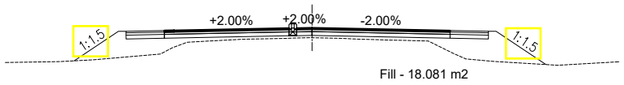
Ch:617+300
GL:151.370
DL:151.991



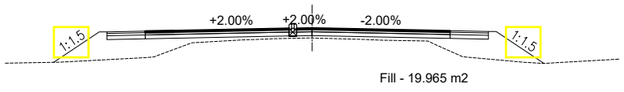
Ch:617+310
GL:151.342
DL:151.985



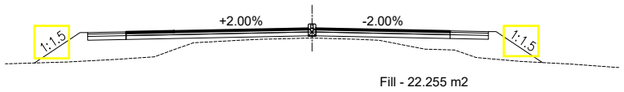
Ch:617+320
GL:151.329
DL:151.978



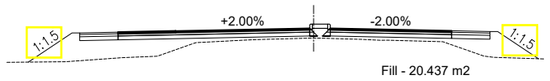
Ch:617+330
GL:151.320
DL:151.972



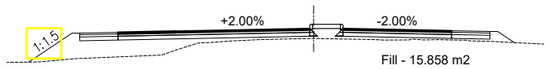
Ch:617+340
GL:151.323
DL:151.965



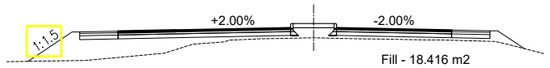
Ch:617+350
GL:151.325
DL:151.959



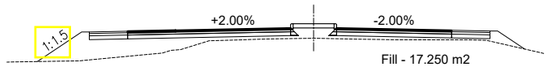
Ch:617+360
GL:151.308
DL:151.952



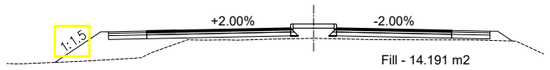
Ch:617+370
GL:151.290
DL:151.946



Ch:617+380
GL:151.269
DL:151.940

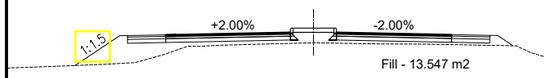


Ch:617+390
GL:151.272
DL:151.933

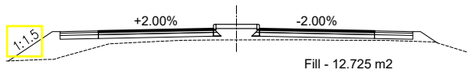


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:617+250 - 617+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.:** 184

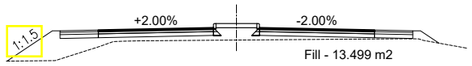
Ch:617+400
GL:151.243
DL:151.927



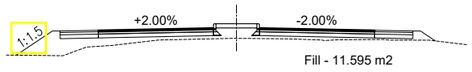
Ch:617+410
GL:151.178
DL:151.920



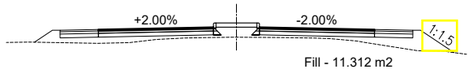
Ch:617+420
GL:151.111
DL:151.914



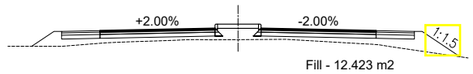
Ch:617+430
GL:151.230
DL:151.907



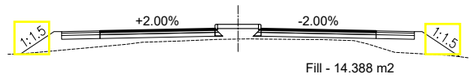
Ch:617+440
GL:151.246
DL:151.901



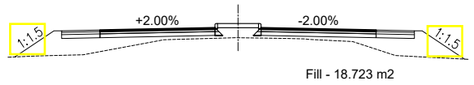
Ch:617+450
GL:151.157
DL:151.894



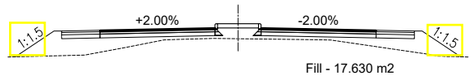
Ch:617+460
GL:151.202
DL:151.888



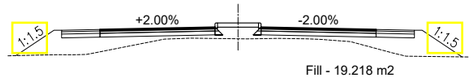
Ch:617+470
GL:151.231
DL:151.881



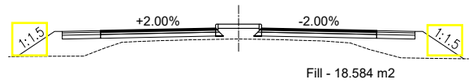
Ch:617+480
GL:151.177
DL:151.878



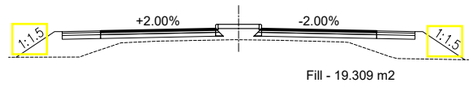
Ch:617+490
GL:151.123
DL:151.880



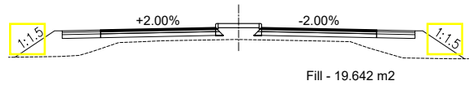
Ch:617+500
GL:151.191
DL:151.887



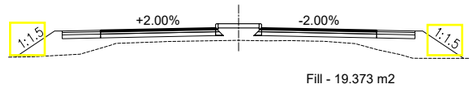
Ch:617+510
GL:151.171
DL:151.899



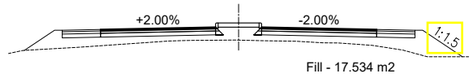
Ch:617+520
GL:151.151
DL:151.916



Ch:617+530
GL:151.132
DL:151.938

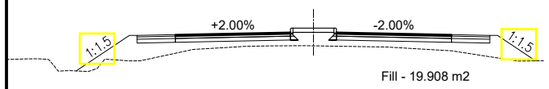


Ch:617+540
GL:151.117
DL:151.962

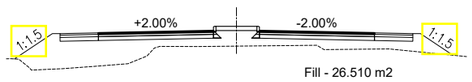


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:**	**IMPLEMENTING AGENCY:**	**SHEET TITLE:**	**SCALE:**		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:**
	Soosung Engineering Co. Ltd, Korea in association with	**DOR, DCID**	Cross Section OF Ch:617+400 - 617+540	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
	TSE-Tech Studio of Engineeering	Butwal - Gorusinghe Section			APPROVED BY:	Dr. T.H.Choi				**SHEET NO.:** 185

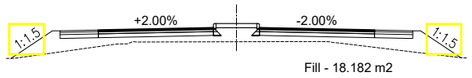
Ch:617+550
GL:151.107
DL:151.985



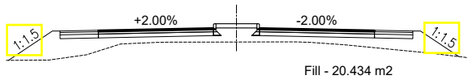
Ch:617+560
GL:150.994
DL:152.009



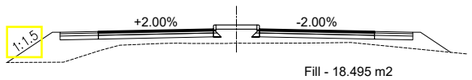
Ch:617+570
GL:151.120
DL:152.033



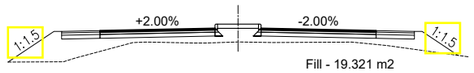
Ch:617+580
GL:151.136
DL:152.052



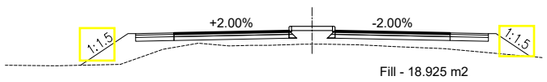
Ch:617+590
GL:151.154
DL:152.062



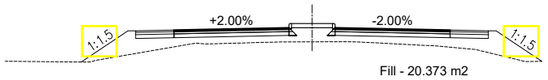
Ch:617+600
GL:151.176
DL:152.064



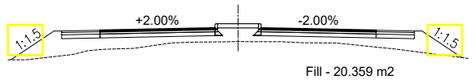
Ch:617+610
GL:151.168
DL:152.058



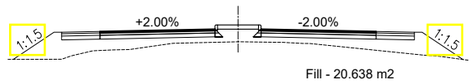
Ch:617+620
GL:151.125
DL:152.043



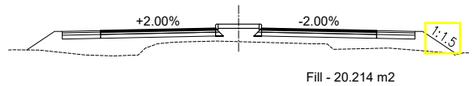
Ch:617+630
GL:151.136
DL:152.020



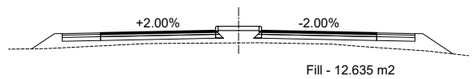
Ch:617+640
GL:151.166
DL:151.988



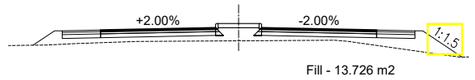
Ch:617+650
GL:151.079
DL:151.948



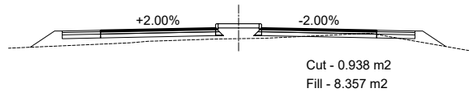
Ch:617+660
GL:151.094
DL:151.899



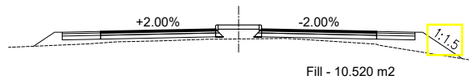
Ch:617+670
GL:150.992
DL:151.843



Ch:617+680
GL:151.090
DL:151.787

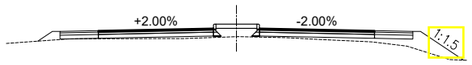


Ch:617+690
GL:151.094
DL:151.731



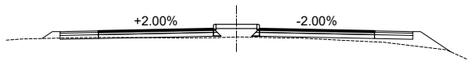
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:617+550 - 617+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.:** 186

Ch:617+700
GL:151.136
DL:151.679



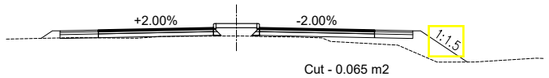
Fill - 7.947 m2

Ch:617+710
GL:151.086
DL:151.635



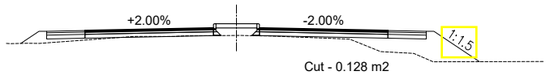
Cut - 0.300 m2
Fill - 5.821 m2

Ch:617+720
GL:151.063
DL:151.597



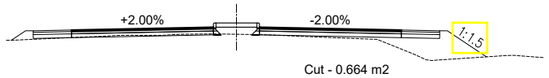
Cut - 0.065 m2
Fill - 9.007 m2

Ch:617+730
GL:151.080
DL:151.567



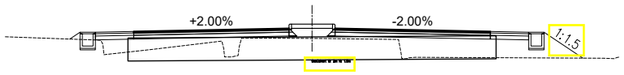
Cut - 0.128 m2
Fill - 11.541 m2

Ch:617+740
GL:151.082
DL:151.545



Cut - 0.664 m2
Fill - 10.073 m2

Ch:617+750
GL:150.873
DL:151.529

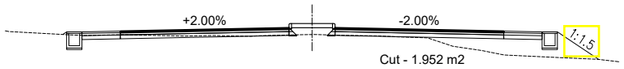


Fill - 22.827 m2

Ch:617+760
GL:151.090
DL:151.521

Cut - 0.938 m2
Fill - 9.301 m2

Ch:617+770
GL:151.077
DL:151.520

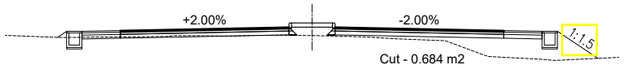


Cut - 1.952 m2
Fill - 10.563 m2

Ch:617+780
GL:151.053
DL:151.526

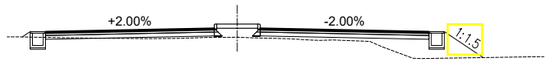
Cut - 2.282 m2
Fill - 11.232 m2

Ch:617+790
GL:150.992
DL:151.540



Cut - 0.684 m2
Fill - 13.105 m2

Ch:617+800
GL:150.975
DL:151.561

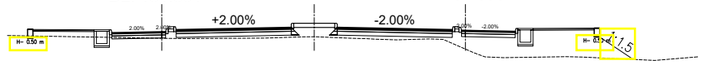


Cut - 0.211 m2
Fill - 10.422 m2

Ch:617+810
GL:150.983
DL:151.589

GL: 150.882
DL: 151.301

GL: 150.180
DL: 151.390

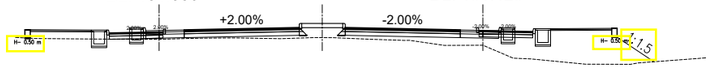


Fill - 5.303 m2

Ch:617+820
GL:150.971
DL:151.619

GL: 150.862
DL: 151.330

GL: 150.474
DL: 151.420

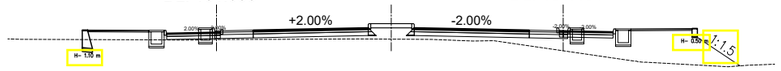


Fill - 8.216 m2

Ch:617+830
GL:150.916
DL:151.650

GL: 150.894
DL: 151.358

GL: 150.158
DL: 151.451

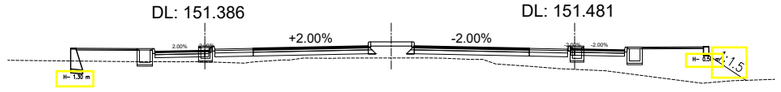


Fill - 8.728 m2

Ch:617+840
GL:150.906
DL:151.681

GL: 150.657
DL: 151.386

GL: 150.163
DL: 151.481



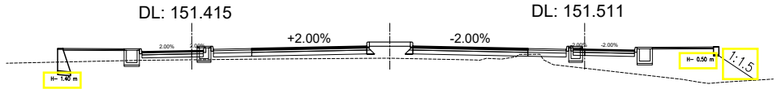
Fill - 11.299 m2

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:617+700 - 617+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.:** 187

Ch:617+850
GL:150.933
DL:151.712

GL: 150.831
DL: 151.415

GL: 150.279
DL: 151.511

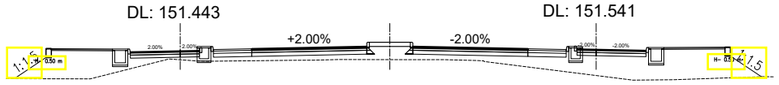


Cut - 0.181 m2
Fill - 8.119 m2

Ch:617+860
GL:150.885
DL:151.743

GL: 150.876
DL: 151.443

GL: 149.849
DL: 151.541

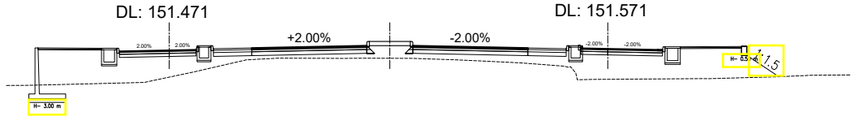


Fill - 12.120 m2

Ch:617+870
GL:150.951
DL:151.774

GL: 149.723
DL: 151.471

GL: 149.582
DL: 151.571

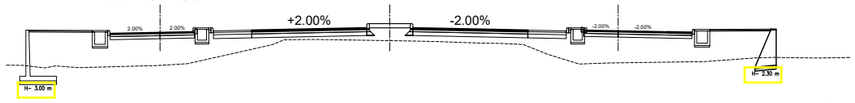


Fill - 11.958 m2

Ch:617+880
GL:150.971
DL:151.805

GL: 149.361
DL: 151.499

GL: 149.526
DL: 151.602

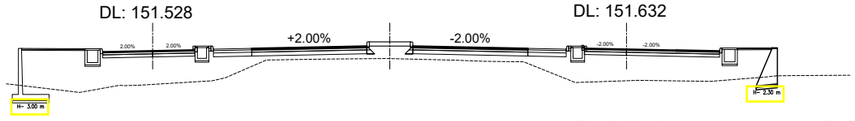


Fill - 16.832 m2

Ch:617+890
GL:151.017
DL:151.835

GL: 149.338
DL: 151.528

GL: 149.577
DL: 151.632

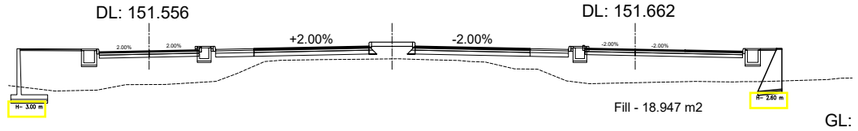


Fill - 17.434 m2

Ch:617+900
GL:151.051
DL:151.866

GL: 149.377
DL: 151.556

GL: 149.496
DL: 151.662

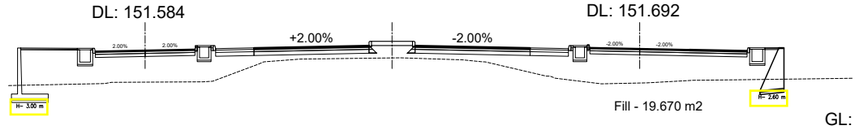


Fill - 18.947 m2

Ch:617+910
GL:151.091
DL:151.897

GL: 149.512
DL: 151.584

GL: 149.456
DL: 151.692

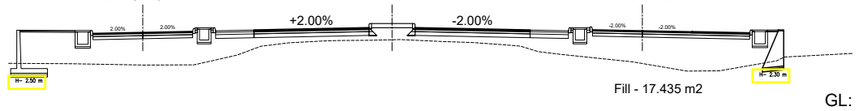


Fill - 19.670 m2

Ch:617+920
GL:151.146
DL:151.928

GL: 149.499
DL: 151.614

GL: 149.598
DL: 151.721

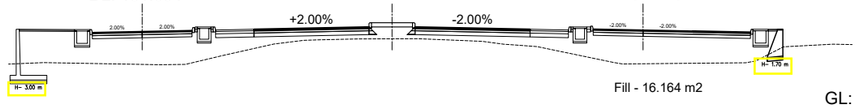


Fill - 17.435 m2

Ch:617+930
GL:151.187
DL:151.959

GL: 149.518
DL: 151.654

GL: 149.561
DL: 151.748

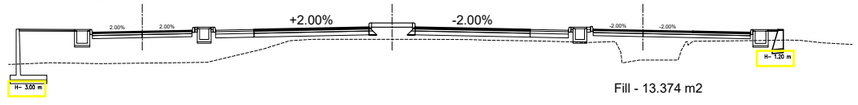


Fill - 16.164 m2

Ch:617+940
GL:151.198
DL:151.990

GL: 149.645
DL: 151.705

GL: 149.846
DL: 151.773

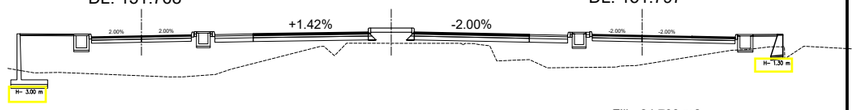


Fill - 13.374 m2

Ch:617+950
GL:151.301
DL:152.021

GL: 149.184
DL: 151.768

GL: 149.912
DL: 151.797

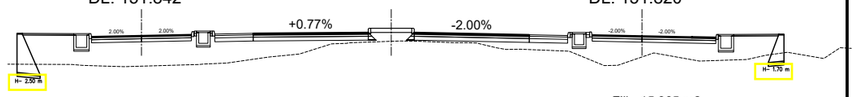


Fill - 24.798 m2

Ch:617+960
GL:151.476
DL:152.051

GL: 149.855
DL: 151.842

GL: 150.454
DL: 151.820

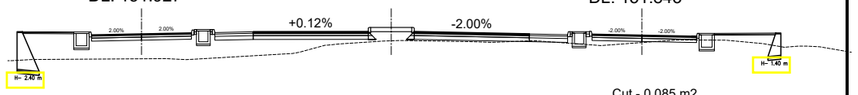


Fill - 15.865 m2

Ch:617+970
GL:151.488
DL:152.082

GL: 150.315
DL: 151.927

GL: 151.374
DL: 151.843

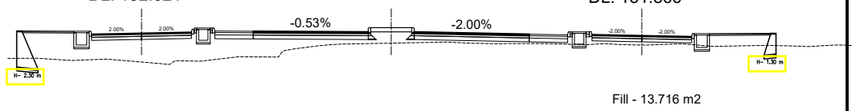


Cut - 0.085 m2
Fill - 11.973 m2

Ch:617+980
GL:151.379
DL:152.113

GL: 150.147
DL: 152.021

GL: 151.254
DL: 151.866

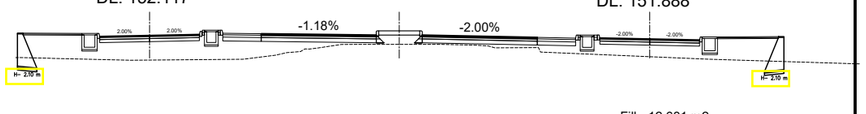


Fill - 13.716 m2

Ch:617+990
GL:151.540
DL:152.144

GL: 150.515
DL: 152.117

GL: 150.735
DL: 151.888



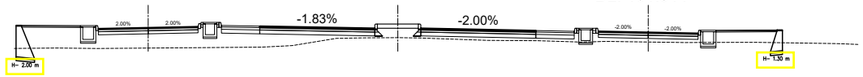
Fill - 12.681 m2

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:617+850 - 617+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.:** 188

Ch:618+000
GL:151.562
DL:152.175

GL: 150.883
DL: 152.212

GL: 151.278
DL: 151.911

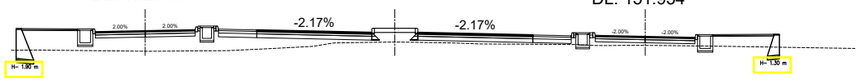


Fill - 11.146 m2

Ch:618+010
GL:151.579
DL:152.206

GL: 150.981
DL: 152.306

GL: 151.365
DL: 151.934

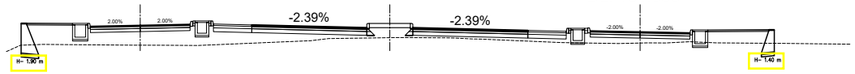


Fill - 10.263 m2

Ch:618+020
GL:151.585
DL:152.237

GL: 151.094
DL: 152.382

GL: 151.235
DL: 151.956

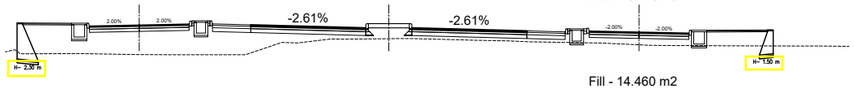


Fill - 10.460 m2

Ch:618+030
GL:151.561
DL:152.267

GL: 150.526
DL: 152.438

GL: 151.164
DL: 151.979

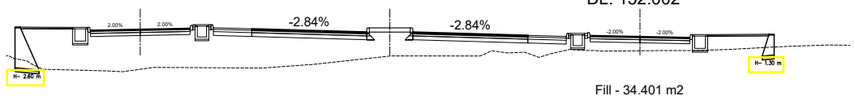


Fill - 14.460 m2

Ch:618+040
GL:150.735
DL:152.298

GL: 149.875
DL: 152.473

GL: 151.080
DL: 152.002

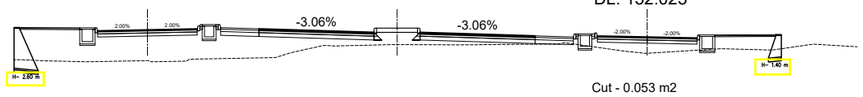


Fill - 34.401 m2

Ch:618+050
GL:151.528
DL:152.329

GL: 150.486
DL: 152.489

GL: 150.963
DL: 152.025

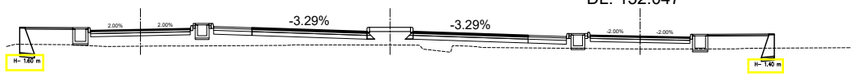


Cut - 0.053 m2
Fill - 15.518 m2

Ch:618+060
GL:151.481
DL:152.360

GL: 151.406
DL: 152.484

GL: 151.223
DL: 152.047

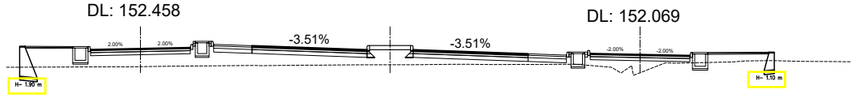


Fill - 13.873 m2

Ch:618+070
GL:151.404
DL:152.382

GL: 151.279
DL: 152.458

GL: 150.884
DL: 152.069

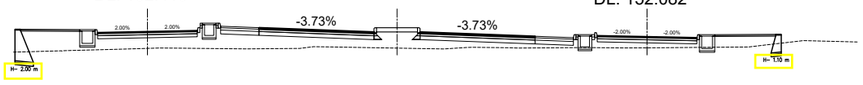


Fill - 14.360 m2

Ch:618+080
GL:151.338
DL:152.392

GL: 151.321
DL: 152.413

GL: 151.358
DL: 152.082

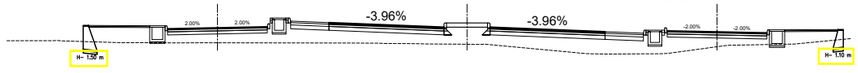


Fill - 15.822 m2

Ch:618+090
GL:151.274
DL:152.389

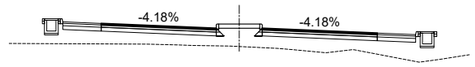
GL: 151.370
DL: 152.347

GL: 151.114
DL: 152.081



Fill - 21.909 m2

Ch:618+100
GL:151.183
DL:152.373

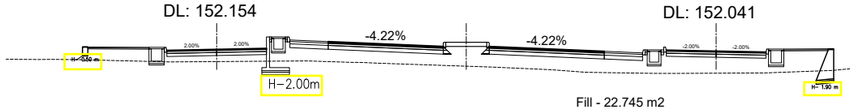


Fill - 22.976 m2

Ch:618+110
GL:151.059
DL:152.345

GL: 151.360
DL: 152.154

GL: 150.603
DL: 152.041

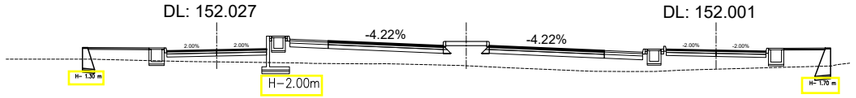


Fill - 22.745 m2

Ch:618+120
GL:150.996
DL:152.304

GL: 151.250
DL: 152.027

GL: 150.773
DL: 152.001

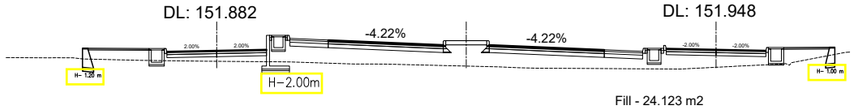


Fill - 24.134 m2

Ch:618+130
GL:150.869
DL:152.251

GL: 151.180
DL: 151.882

GL: 150.791
DL: 151.948

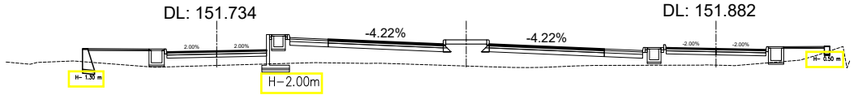


Fill - 24.123 m2

Ch:618+140
GL:150.755
DL:152.185

GL: 150.794
DL: 151.734

GL: 150.813
DL: 151.882

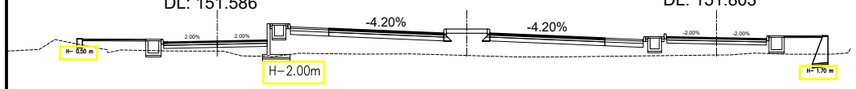


Fill - 23.870 m2

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:618+000 - 618+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.:** 189

Ch:618+150
GL:150.659
DL:152.107

GL: 150.941
DL: 151.586

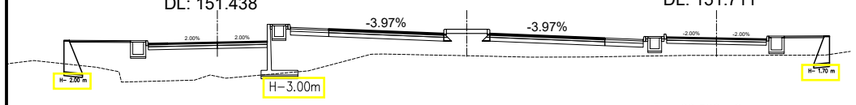


GL: 150.688
DL: 151.803

Fill - 25.711 m2

Ch:618+160
GL:150.566
DL:152.015

GL: 149.211
DL: 151.438

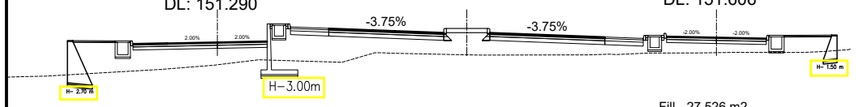


GL: 150.587
DL: 151.711

Fill - 30.592 m2

Ch:618+170
GL:150.468
DL:151.912

GL: 149.818
DL: 151.290

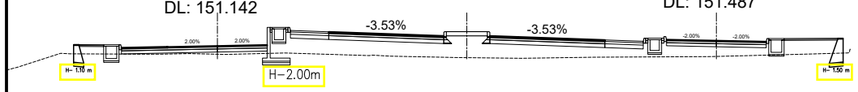


GL: 150.609
DL: 151.606

Fill - 27.526 m2

Ch:618+180
GL:150.376
DL:151.795

GL: 150.599
DL: 151.142

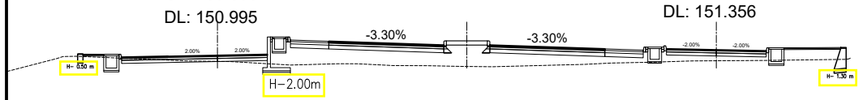


GL: 150.455
DL: 151.487

Fill - 23.264 m2

Ch:618+190
GL:150.273
DL:151.666

GL: 150.603
DL: 150.995

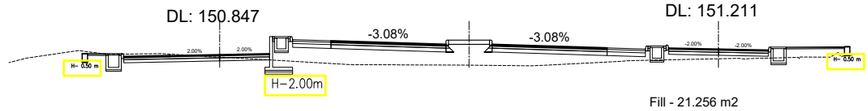


GL: 150.644
DL: 151.356

Fill - 21.788 m2

Ch:618+200
GL:150.169
DL:151.525

GL: 150.694
DL: 150.847

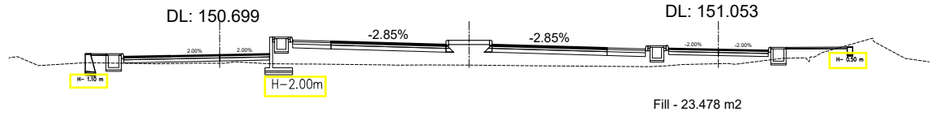


GL: 150.585
DL: 151.211

Fill - 21.256 m2

Ch:618+210
GL:150.032
DL:151.371

GL: 150.153
DL: 150.699

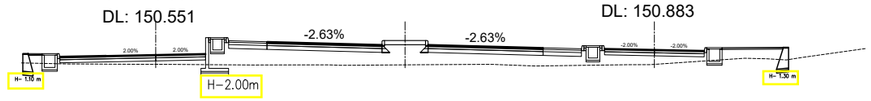


GL: 150.123
DL: 151.053

Fill - 23.478 m2

Ch:618+220
GL:149.895
DL:151.204

GL: 149.930
DL: 150.551

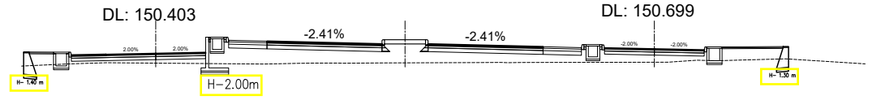


GL: 149.926
DL: 150.883

Fill - 22.653 m2

Ch:618+230
GL:149.794
DL:151.025

GL: 149.775
DL: 150.403

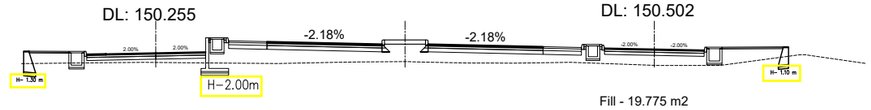


GL: 149.835
DL: 150.699

Fill - 20.567 m2

Ch:618+240
GL:149.697
DL:150.833

GL: 149.641
DL: 150.255

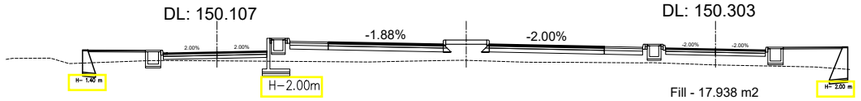


GL: 149.453
DL: 150.502

Fill - 19.775 m2

Ch:618+250
GL:149.582
DL:150.628

GL: 149.548
DL: 150.107

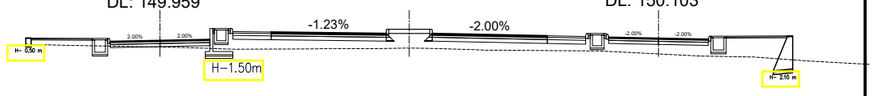


GL: 149.280
DL: 150.303

Fill - 17.938 m2

Ch:618+260
GL:149.467
DL:150.417

GL: 149.531
DL: 149.959

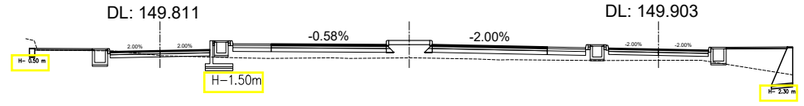


GL: 149.083
DL: 150.103

Fill - 14.895 m2

Ch:618+270
GL:149.347
DL:150.206

GL: 149.499
DL: 149.811

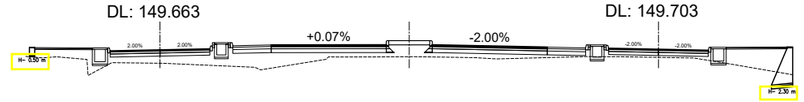


GL: 149.184
DL: 149.903

Fill - 11.466 m2

Ch:618+280
GL:149.225
DL:149.995

GL: 148.799
DL: 149.663

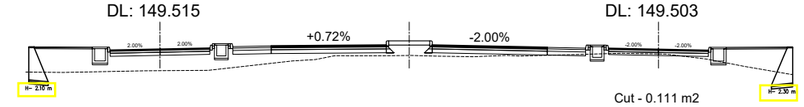


GL: 149.181
DL: 149.703

Fill - 12.383 m2

Ch:618+290
GL:149.107
DL:149.784

GL: 148.116
DL: 149.515



GL: 149.206
DL: 149.503

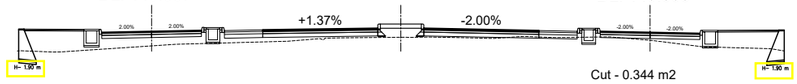
Cut - 0.111 m2
Fill - 9.092 m2

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:618+150 - 617+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.:** 190

Ch:618+300
GL:148.986
DL:149.573

GL: 148.424
DL: 149.367

GL: 148.789
DL: 149.303

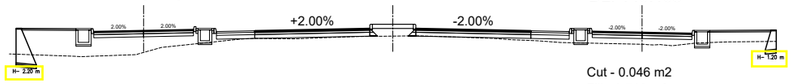


Cut - 0.344 m2
Fill - 4.971 m2

Ch:618+310
GL:148.864
DL:149.362

GL: 147.800
DL: 149.220

GL: 148.331
DL: 149.103

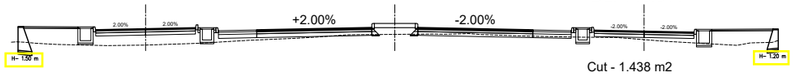


Cut - 0.046 m2
Fill - 3.710 m2

Ch:618+320
GL:148.715
DL:149.152

GL: 148.017
DL: 149.072

GL: 148.373
DL: 148.911

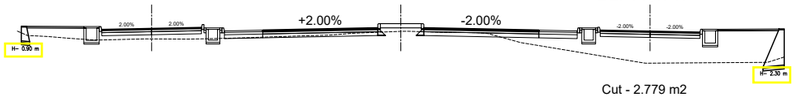


Cut - 1.438 m2
Fill - 3.273 m2

Ch:618+330
GL:148.745
DL:148.971

GL: 148.252
DL: 148.924

GL: 146.671
DL: 148.747

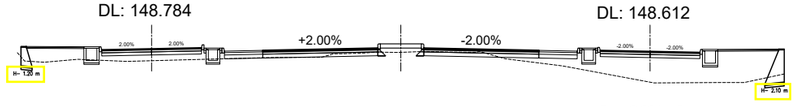


Cut - 2.779 m2
Fill - 5.707 m2

Ch:618+340
GL:148.555
DL:148.833

GL: 148.009
DL: 148.784

GL: 146.611
DL: 148.612

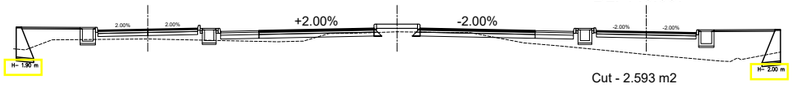


Cut - 2.684 m2
Fill - 4.635 m2

Ch:618+350
GL:148.511
DL:148.737

GL: 148.044
DL: 148.667

GL: 147.036
DL: 148.507

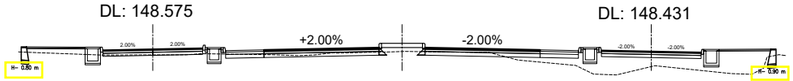


Cut - 2.593 m2
Fill - 5.607 m2

Ch:618+360
GL:148.425
DL:148.684

GL: 148.206
DL: 148.575

GL: 147.443
DL: 148.431

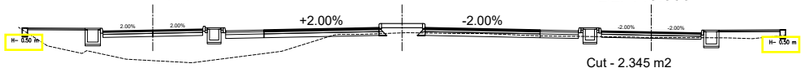


Cut - 3.617 m2
Fill - 4.406 m2

Ch:618+370
GL:148.340
DL:148.674

GL: 146.531
DL: 148.506

GL: 148.044
DL: 148.385

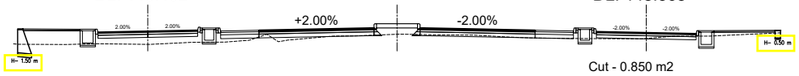


Cut - 2.345 m2
Fill - 9.208 m2

Ch:618+380
GL:148.264
DL:148.677

GL: 147.606
DL: 148.462

GL: 147.994
DL: 148.368

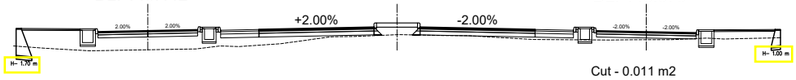


Cut - 0.850 m2
Fill - 3.196 m2

Ch:618+390
GL:148.189
DL:148.680

GL: 147.206
DL: 148.442

GL: 147.862
DL: 148.373

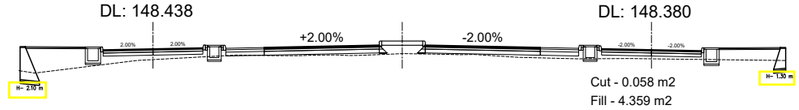


Cut - 0.011 m2
Fill - 6.733 m2

Ch:618+400
GL:148.136
DL:148.683

GL: 147.748
DL: 148.438

GL: 147.799
DL: 148.380

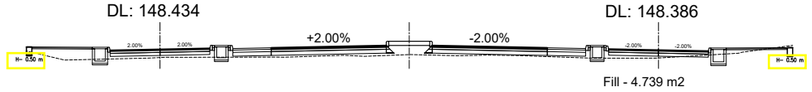


Cut - 0.058 m2
Fill - 4.359 m2

Ch:618+410
GL:148.090
DL:148.686

GL: 147.899
DL: 148.434

GL: 147.869
DL: 148.386

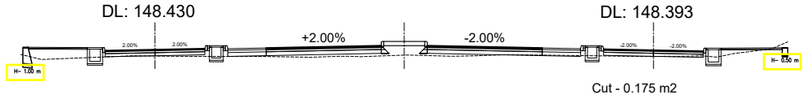


Fill - 4.739 m2

Ch:618+420
GL:148.072
DL:148.689

GL: 148.013
DL: 148.430

GL: 147.981
DL: 148.393

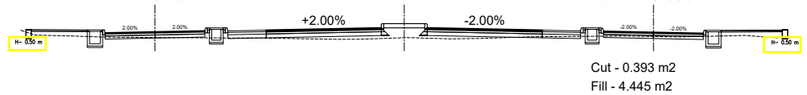


Cut - 0.175 m2
Fill - 4.326 m2

Ch:618+430
GL:148.050
DL:148.692

GL: 148.063
DL: 148.427

GL: 148.127
DL: 148.399

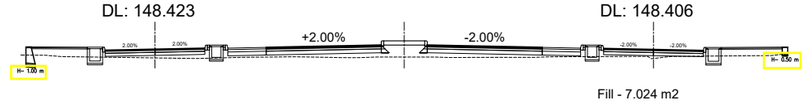


Cut - 0.393 m2
Fill - 4.445 m2

Ch:618+440
GL:147.915
DL:148.695

GL: 147.859
DL: 148.423

GL: 147.821
DL: 148.406

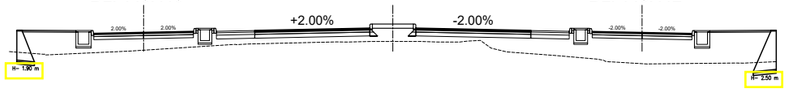


Fill - 7.024 m2

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:618+300 - 618+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.:** 191

Ch:618+450
GL:147.836
DL:148.698

GL: 147.267
DL: 148.419

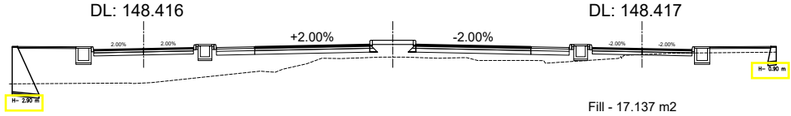


GL: 146.389
DL: 148.412

Fill - 15.373 m2

Ch:618+460
GL:147.876
DL:148.701

GL: 146.189
DL: 148.416

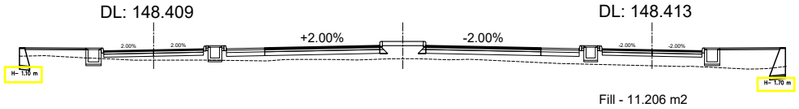


GL: 148.043
DL: 148.417

Fill - 17.137 m2

Ch:618+470
GL:147.847
DL:148.699

GL: 147.754
DL: 148.409

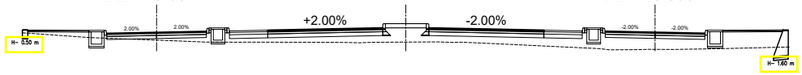


GL: 147.390
DL: 148.413

Fill - 11.206 m2

Ch:618+480
GL:147.759
DL:148.685

GL: 147.886
DL: 148.391

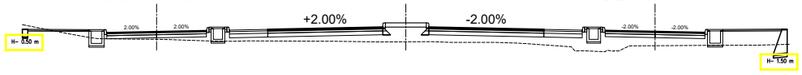


GL: 147.285
DL: 148.399

Fill - 12.337 m2

Ch:618+490
GL:147.702
DL:148.660

GL: 147.857
DL: 148.362

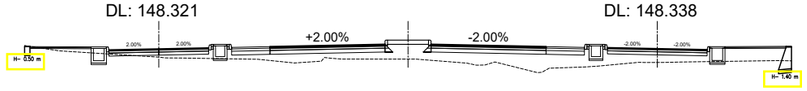


GL: 147.445
DL: 148.374

Fill - 12.746 m2

Ch:618+500
GL:147.661
DL:148.624

GL: 147.790
DL: 148.321

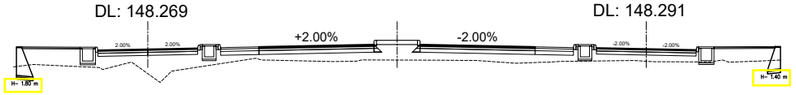


GL: 147.443
DL: 148.338

Fill - 16.674 m2

Ch:618+510
GL:147.567
DL:148.576

GL: 146.680
DL: 148.269

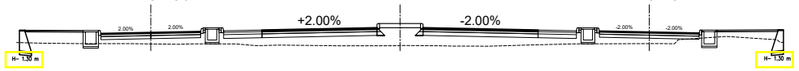


GL: 147.486
DL: 148.291

Fill - 14.106 m2

Ch:618+520
GL:147.357
DL:148.517

GL: 147.464
DL: 148.206

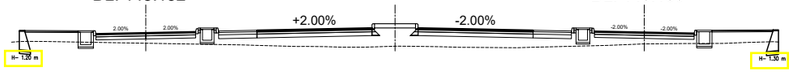


GL: 147.484
DL: 148.234

Fill - 15.540 m2

Ch:618+530
GL:147.258
DL:148.447

GL: 147.451
DL: 148.132

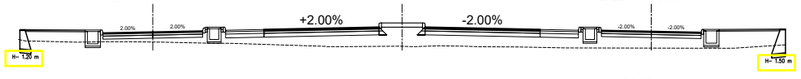


GL: 147.407
DL: 148.166

Fill - 17.208 m2

Ch:618+540
GL:147.117
DL:148.365

GL: 147.396
DL: 148.046

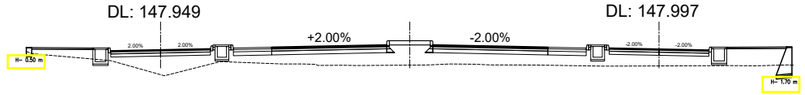


GL: 147.001
DL: 148.087

Fill - 17.965 m2

Ch:618+550
GL:146.956
DL:148.272

GL: 146.336
DL: 147.949

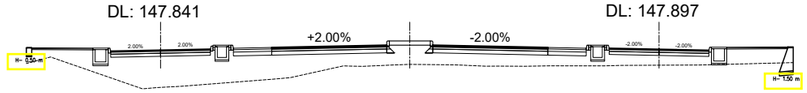


GL: 146.905
DL: 147.997

Fill - 19.168 m2

Ch:618+560
GL:146.915
DL:148.167

GL: 145.416
DL: 147.841

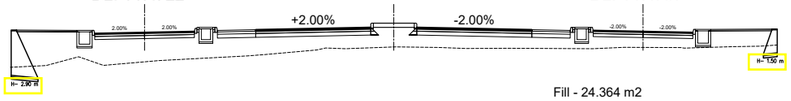


GL: 146.861
DL: 147.897

Fill - 26.857 m2

Ch:618+570
GL:146.775
DL:148.051

GL: 145.806
DL: 147.722

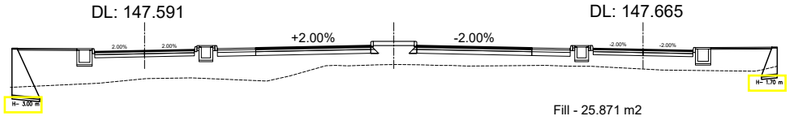


GL: 146.745
DL: 147.787

Fill - 24.364 m2

Ch:618+580
GL:146.689
DL:147.924

GL: 145.762
DL: 147.591

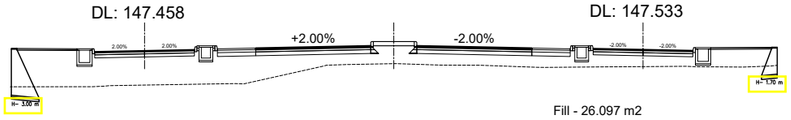


GL: 146.396
DL: 147.665

Fill - 25.871 m2

Ch:618+590
GL:146.620
DL:147.785

GL: 145.225
DL: 147.458



GL: 146.427
DL: 147.533

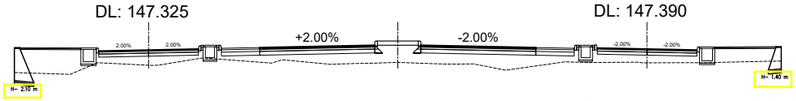
Fill - 26.097 m2

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:618+450 - 618+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.:** 192

Ch:618+600
GL:146.520
DL:147.636

GL: 146.333
DL: 147.325

GL: 146.491
DL: 147.390

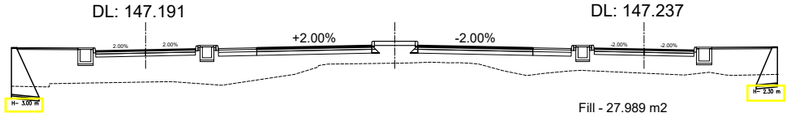


Fill - 16.595 m2

Ch:618+610
GL:146.329
DL:147.485

GL: 145.100
DL: 147.191

GL: 145.677
DL: 147.237

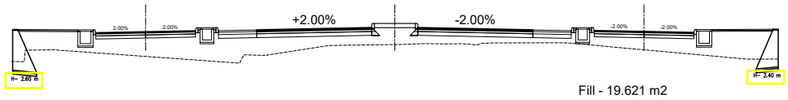


Fill - 27.989 m2

Ch:618+620
GL:146.234
DL:147.334

GL: 145.460
DL: 147.058

GL: 145.889
DL: 147.078

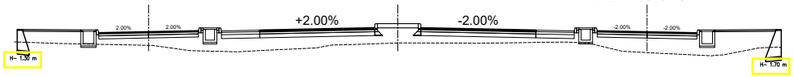


Fill - 19.621 m2

Ch:618+630
GL:146.200
DL:147.183

GL: 146.045
DL: 146.924

GL: 145.570
DL: 146.918

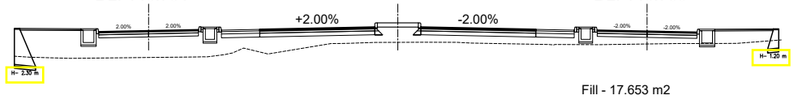


Fill - 15.604 m2

Ch:618+640
GL:146.038
DL:147.032

GL: 145.051
DL: 146.791

GL: 145.931
DL: 146.760

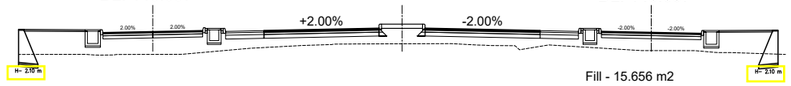


Fill - 17.653 m2

Ch:618+650
GL:145.874
DL:146.881

GL: 145.183
DL: 146.657

GL: 145.430
DL: 146.607

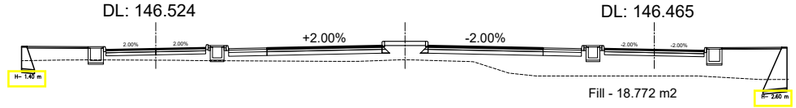


Fill - 15.656 m2

Ch:618+660
GL:145.803
DL:146.730

GL: 145.777
DL: 146.524

GL: 144.748
DL: 146.465

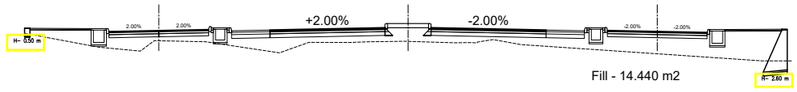


Fill - 18.772 m2

Ch:618+670
GL:145.692
DL:146.579

GL: 145.730
DL: 146.390

GL: 144.882
DL: 146.332

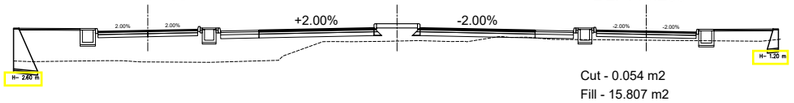


Fill - 14.440 m2

Ch:618+680
GL:145.575
DL:146.430

GL: 144.215
DL: 146.258

GL: 145.632
DL: 146.209

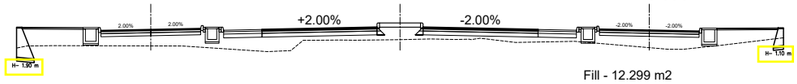


Cut - 0.054 m2
Fill - 15.807 m2

Ch:618+690
GL:145.480
DL:146.295

GL: 145.074
DL: 146.136

GL: 144.960
DL: 146.095

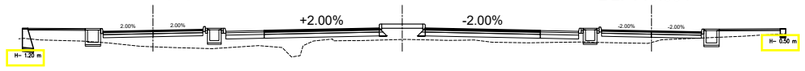


Fill - 12.299 m2

Ch:618+700
GL:145.448
DL:146.179

GL: 144.971
DL: 146.025

GL: 145.253
DL: 145.991

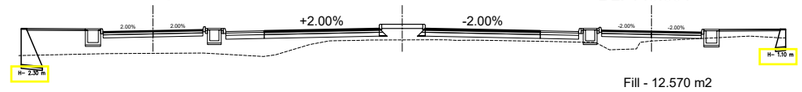


Fill - 11.005 m2

Ch:618+710
GL:145.335
DL:146.081

GL: 144.459
DL: 145.927

GL: 145.260
DL: 145.891

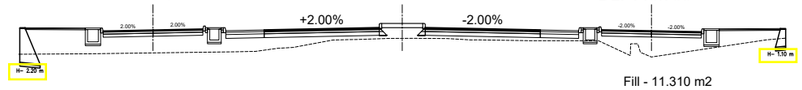


Fill - 12.570 m2

Ch:618+720
GL:145.305
DL:146.001

GL: 144.356
DL: 145.842

GL: 144.090
DL: 145.790

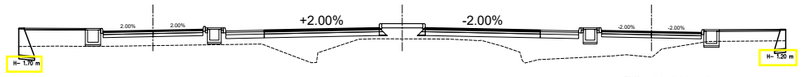


Fill - 11.310 m2

Ch:618+730
GL:145.223
DL:145.939

GL: 144.783
DL: 145.768

GL: 144.033
DL: 145.690

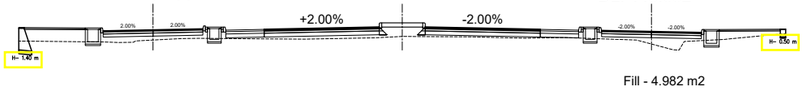


Fill - 18.966 m2

Ch:618+740
GL:145.285
DL:145.895

GL: 145.050
DL: 145.706

GL: 144.791
DL: 145.602



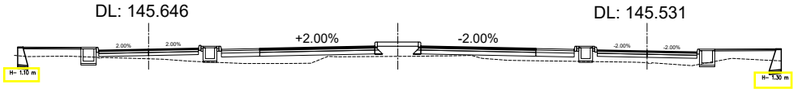
Fill - 4.982 m2

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 TSE-Tech Studio of Engineeering	**IMPLEMENTING AGENCY:** **DOR, DCID** **ROAD NAME:** **East West Highway (H01)** Butwal - Gorusinghe Section	**SHEET TITLE:** Cross Section OF Ch:618+600 - 618+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.:** 193

Ch:618+750
GL:145.194
DL:145.853

GL: 145.036
DL: 145.646

GL: 144.779
DL: 145.531

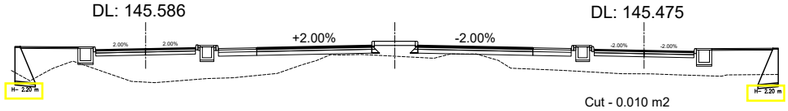


Fill - 8.671 m2

Ch:618+760
GL:145.112
DL:145.812

GL: 143.421
DL: 145.586

GL: 143.964
DL: 145.475

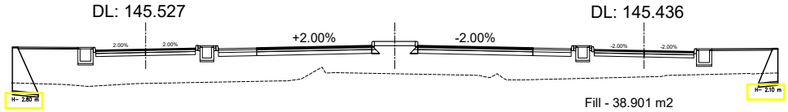


Cut - 0.010 m2
Fill - 17.913 m2

Ch:618+770
GL:143.940
DL:145.771

GL: 143.311
DL: 145.527

GL: 143.734
DL: 145.436

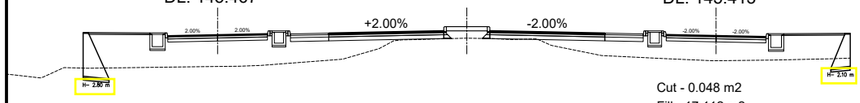


Fill - 38.901 m2

Ch:618+780
GL:145.253
DL:145.729

GL: 143.409
DL: 145.467

GL: 143.785
DL: 145.413

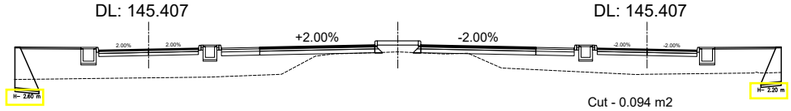


Cut - 0.048 m2
Fill - 17.112 m2

Ch:618+790
GL:145.244
DL:145.688

GL: 143.554
DL: 145.407

GL: 143.786
DL: 145.407

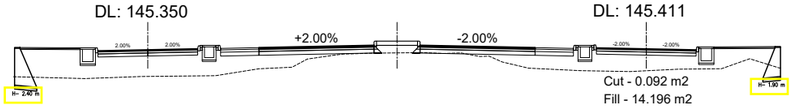


Cut - 0.094 m2
Fill - 17.313 m2

Ch:618+800
GL:145.154
DL:145.647

GL: 143.620
DL: 145.350

GL: 143.990
DL: 145.411

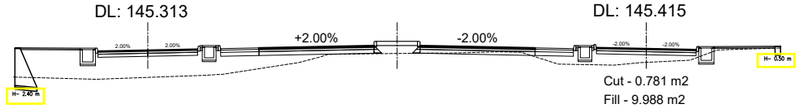


Cut - 0.092 m2
Fill - 14.196 m2

Ch:618+810
GL:145.098
DL:145.615

GL: 143.539
DL: 145.313

GL: 144.520
DL: 145.415

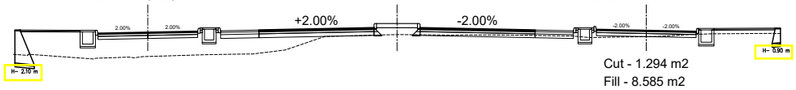


Cut - 0.781 m2
Fill - 9.988 m2

Ch:618+820
GL:145.148
DL:145.597

GL: 143.724
DL: 145.297

GL: 145.020
DL: 145.419

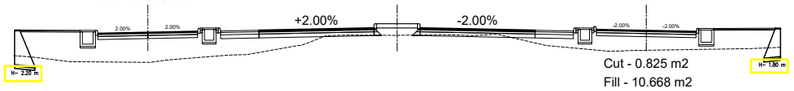


Cut - 1.294 m2
Fill - 8.585 m2

Ch:618+830
GL:145.110
DL:145.592

GL: 143.351
DL: 145.302

GL: 144.138
DL: 145.424

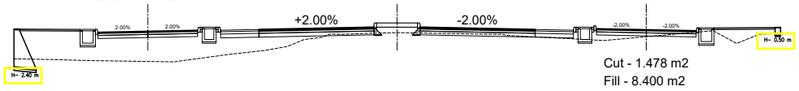


Cut - 0.825 m2
Fill - 10.668 m2

Ch:618+840
GL:145.244
DL:145.600

GL: 143.366
DL: 145.325

GL: 144.978
DL: 145.428

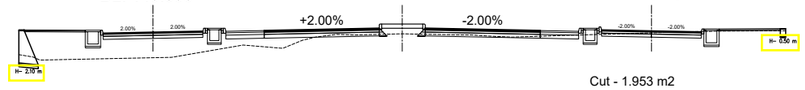


Cut - 1.478 m2
Fill - 8.400 m2

Ch:618+850
GL:145.251
DL:145.612

GL: 143.692
DL: 145.350

GL: 145.312
DL: 145.432

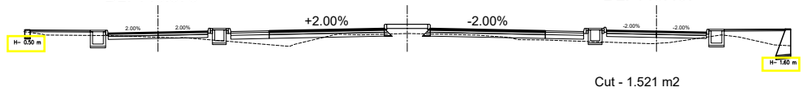


Cut - 1.953 m2
Fill - 5.405 m2

Ch:618+860
GL:145.295
DL:145.625

GL: 145.053
DL: 145.375

GL: 144.653
DL: 145.437

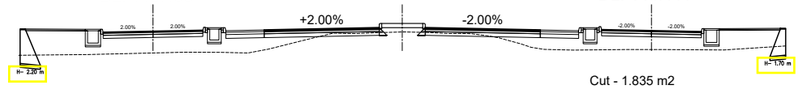


Cut - 1.521 m2
Fill - 4.812 m2

Ch:618+870
GL:145.358
DL:145.637

GL: 143.988
DL: 145.400

GL: 144.212
DL: 145.441

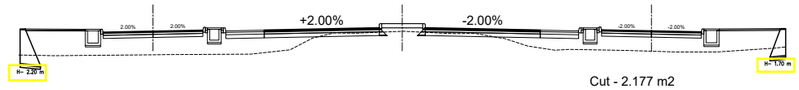


Cut - 1.835 m2
Fill - 10.674 m2

Ch:618+880
GL:145.425
DL:145.650

GL: 143.896
DL: 145.425

GL: 144.129
DL: 145.445

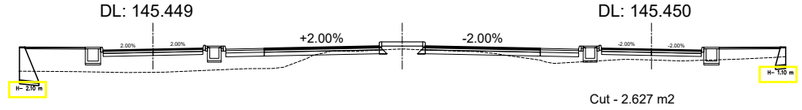


Cut - 2.177 m2
Fill - 11.559 m2

Ch:618+890
GL:145.473
DL:145.662

GL: 143.954
DL: 145.449

GL: 144.756
DL: 145.450



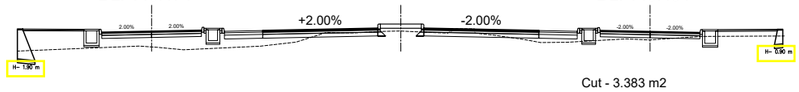
Cut - 2.627 m2
Fill - 8.347 m2

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:618+750 - 618+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.:** 194

Ch:618+900
GL:145.492
DL:145.675

GL: 144.457
DL: 145.474

GL: 144.919
DL: 145.454

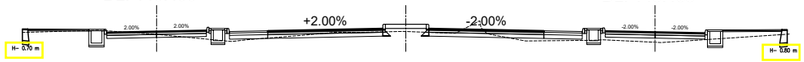


Cut - 3.383 m2
Fill - 6.037 m2

Ch:618+910
GL:145.490
DL:145.687

GL: 145.302
DL: 145.499

GL: 144.788
DL: 145.458

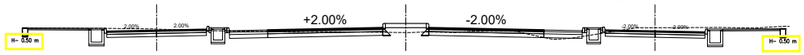


Cut - 4.289 m2
Fill - 3.106 m2

Ch:618+920
GL:145.382
DL:145.700

GL: 145.607
DL: 145.524

GL: 145.695
DL: 145.473

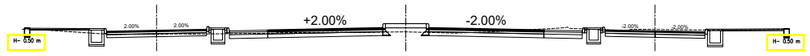


Cut - 6.097 m2
Fill - 2.131 m2

Ch:618+930
GL:145.465
DL:145.726

GL: 145.320
DL: 145.549

GL: 145.621
DL: 145.509

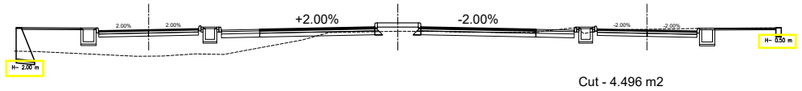


Cut - 7.742 m2
Fill - 1.987 m2

Ch:618+940
GL:145.501
DL:145.774

GL: 143.878
DL: 145.587

GL: 145.631
DL: 145.566

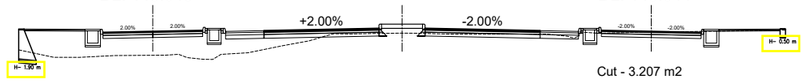


Cut - 4.496 m2
Fill - 6.927 m2

Ch:618+950
GL:145.533
DL:145.845

GL: 144.090
DL: 145.645

GL: 145.593
DL: 145.644

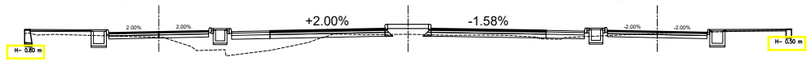


Cut - 3.207 m2
Fill - 7.114 m2

Ch:618+960
GL:145.566
DL:145.938

GL: 145.366
DL: 145.723

GL: 145.608
DL: 145.744

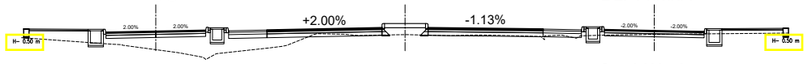


Cut - 1.751 m2
Fill - 6.827 m2

Ch:618+970
GL:145.604
DL:146.054

GL: 144.626
DL: 145.821

GL: 145.618
DL: 145.864

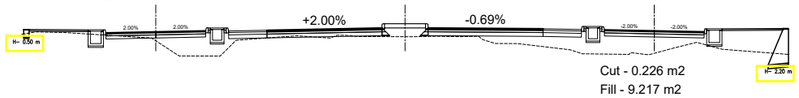


Cut - 0.996 m2
Fill - 6.447 m2

Ch:618+980
GL:145.620
DL:146.192

GL: 145.356
DL: 145.938

GL: 144.540
DL: 146.005

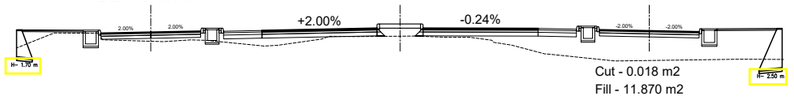


Cut - 0.226 m2
Fill - 9.217 m2

Ch:618+990
GL:145.815
DL:146.338

GL: 145.485
DL: 146.076

GL: 144.231
DL: 146.167

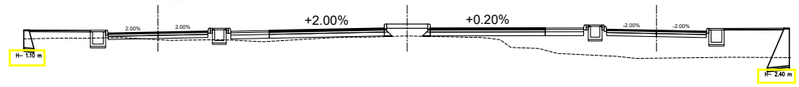


Cut - 0.018 m2
Fill - 11.870 m2

Ch:619+000
GL:145.986
DL:146.485

GL: 145.741
DL: 146.220

GL: 144.533
DL: 146.340

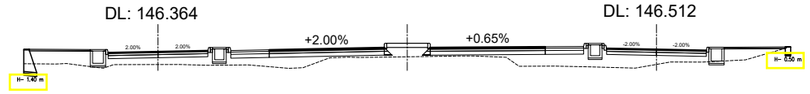


Cut - 0.000 m2
Fill - 10.366 m2

Ch:619+010
GL:146.024
DL:146.632

GL: 145.518
DL: 146.364

GL: 145.526
DL: 146.512

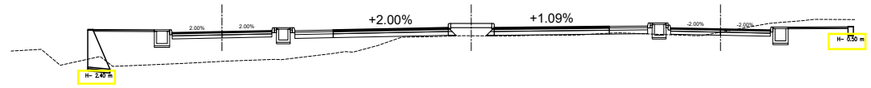


Fill - 11.710 m2

Ch:619+020
GL:146.251
DL:146.778

GL: 144.581
DL: 146.508

GL: 146.481
DL: 146.685

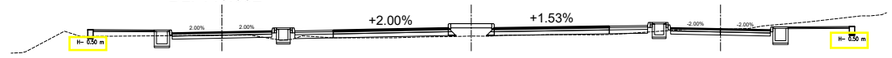


Cut - 0.134 m2
Fill - 10.172 m2

Ch:619+030
GL:146.392
DL:146.925

GL: 146.440
DL: 146.652

GL: 146.838
DL: 146.858

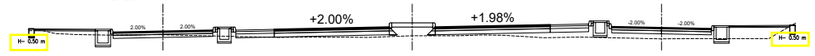


Cut - 0.281 m2
Fill - 2.927 m2

Ch:619+040
GL:146.506
DL:147.071

GL: 146.570
DL: 146.797

GL: 146.306
DL: 147.030

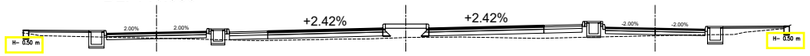


Cut - 0.090 m2
Fill - 5.300 m2

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:618+900 - 619+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.:** 195

Ch:619+050
GL:146.613
DL:147.218

GL: 146.572
DL: 146.936

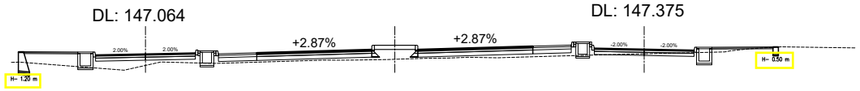


GL: 146.731
DL: 147.203

Fill - 6.317 m2

Ch:619+060
GL:146.724
DL:147.364

GL: 146.324
DL: 147.064

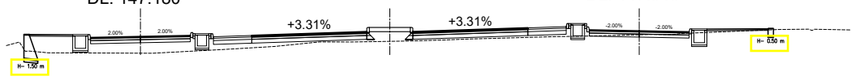


GL: 147.079
DL: 147.375

Fill - 5.590 m2

Ch:619+070
GL:146.872
DL:147.502

GL: 146.099
DL: 147.180

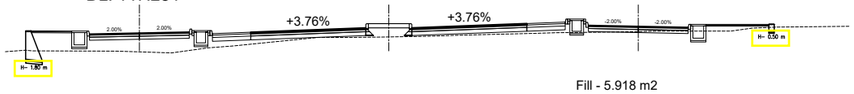


GL: 147.301
DL: 147.548

Fill - 6.229 m2

Ch:619+080
GL:147.036
DL:147.626

GL: 146.063
DL: 147.284

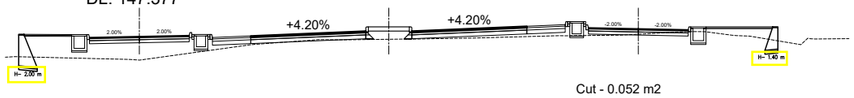


GL: 147.387
DL: 147.720

Fill - 5.918 m2

Ch:619+090
GL:147.204
DL:147.737

GL: 145.847
DL: 147.377



GL: 147.535
DL: 147.879

Cut - 0.052 m2
Fill - 4.588 m2

Ch:619+100
GL:147.340
DL:147.835

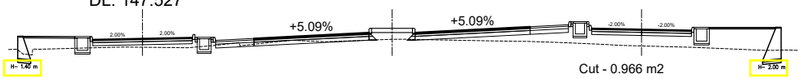
GL: 146.500
DL: 147.458

GL: 147.285
DL: 148.014

Cut - 0.194 m2
Fill - 5.448 m2

Ch:619+110
GL:147.481
DL:147.920

GL: 146.962
DL: 147.527

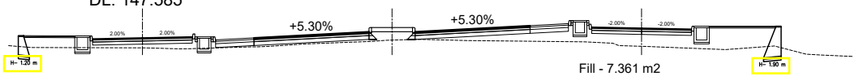


GL: 147.047
DL: 148.127

Cut - 0.966 m2
Fill - 5.312 m2

Ch:619+120
GL:147.446
DL:147.991

GL: 146.943
DL: 147.585



GL: 147.043
DL: 148.217

Fill - 7.361 m2

Ch:619+130
GL:147.483
DL:148.049

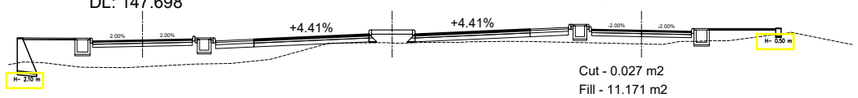
GL: 146.454
DL: 147.642

GL: 147.635
DL: 148.285

Cut - 0.000 m2
Fill - 8.522 m2

Ch:619+140
GL:147.520
DL:148.094

GL: 145.967
DL: 147.698

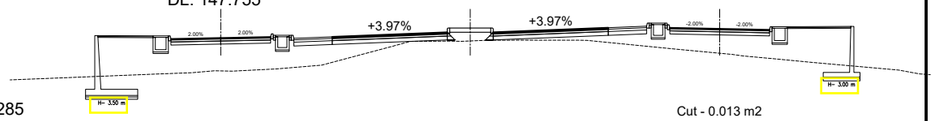


GL: 147.457
DL: 148.330

Cut - 0.027 m2
Fill - 11.171 m2

Ch:619+150
GL:147.559
DL:148.126

GL: 145.607
DL: 147.755

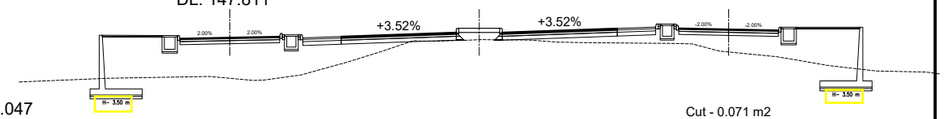


GL: 146.758
DL: 148.352

Cut - 0.013 m2
Fill - 14.292 m2

Ch:619+160
GL:147.672
DL:148.144

GL: 145.157
DL: 147.811

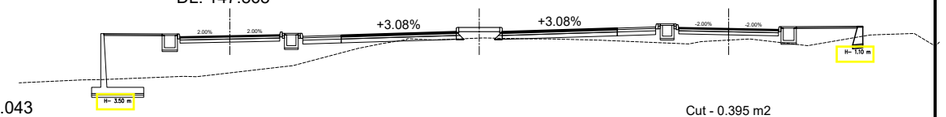


GL: 146.872
DL: 148.351

Cut - 0.071 m2
Fill - 14.996 m2

Ch:619+170
GL:147.732
DL:148.149

GL: 145.464
DL: 147.868

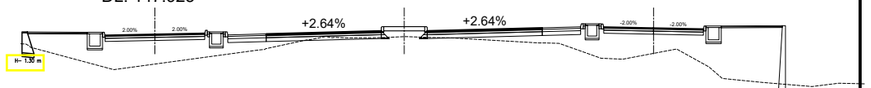


GL: 147.599
DL: 148.342

Cut - 0.395 m2
Fill - 9.594 m2

Ch:619+180
GL:147.774
DL:148.150

GL: 145.988
DL: 147.925

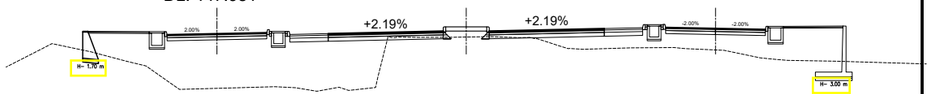


GL: 146.684
DL: 148.333

Cut - 0.869 m2
Fill - 9.775 m2

Ch:619+190
GL:147.763
DL:148.151

GL: 144.420
DL: 147.981



GL: 146.922
DL: 148.324

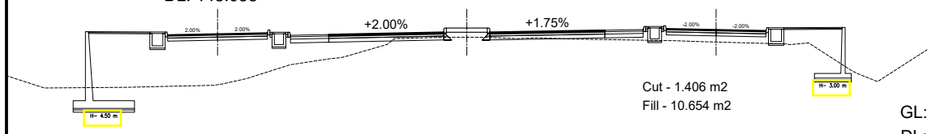
Cut - 1.011 m2
Fill - 29.953 m2

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:619+050 - 619+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.:** 196

Ch:619+200
GL:147.830
DL:148.154

GL: 144.737
DL: 148.038

GL: 147.516
DL: 148.315

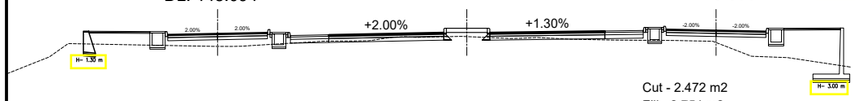


Cut - 1.406 m2
Fill - 10.654 m2

Ch:619+210
GL:147.899
DL:148.169

GL: 147.262
DL: 148.094

GL: 147.511
DL: 148.306

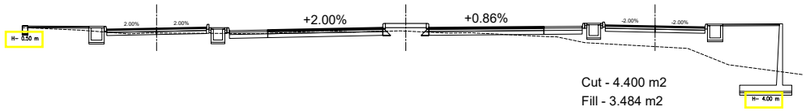


Cut - 2.472 m2
Fill - 2.754 m2

Ch:619+220
GL:147.974
DL:148.199

GL: 147.854
DL: 148.151

GL: 146.966
DL: 148.297

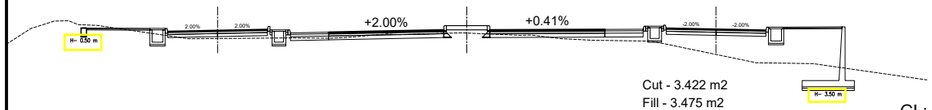


Cut - 4.400 m2
Fill - 3.484 m2

Ch:619+230
GL:148.040
DL:148.245

GL: 147.681
DL: 148.207

GL: 146.643
DL: 148.288

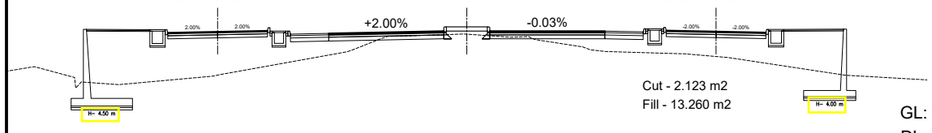


Cut - 3.422 m2
Fill - 3.475 m2

Ch:619+240
GL:148.104
DL:148.306

GL: 145.435
DL: 148.264

GL: 146.649
DL: 148.279

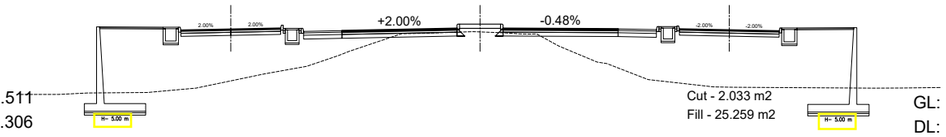


Cut - 2.123 m2
Fill - 13.260 m2

Ch:619+250
GL:148.147
DL:148.380

GL: 144.956
DL: 148.320

GL: 144.545
DL: 148.270

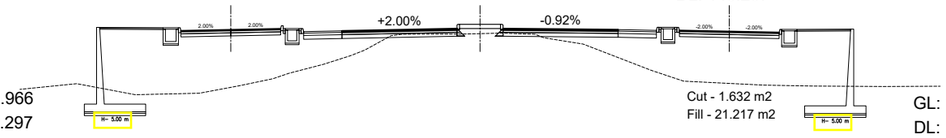


Cut - 2.033 m2
Fill - 25.259 m2

Ch:619+260
GL:148.125
DL:148.457

GL: 144.625
DL: 148.377

GL: 144.881
DL: 148.267

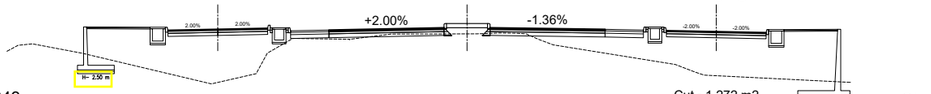


Cut - 1.632 m2
Fill - 21.217 m2

Ch:619+270
GL:148.136
DL:148.534

GL: 144.971
DL: 148.433

GL: 145.408
DL: 148.281

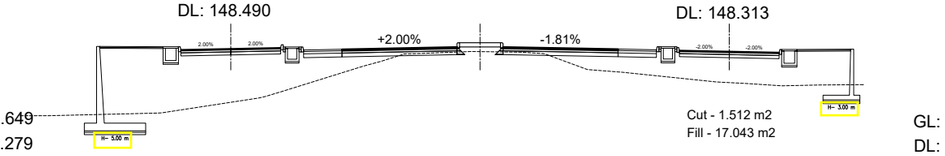


Cut - 1.272 m2
Fill - 10.854 m2

Ch:619+280
GL:148.307
DL:148.611

GL: 145.005
DL: 148.490

GL: 146.287
DL: 148.313

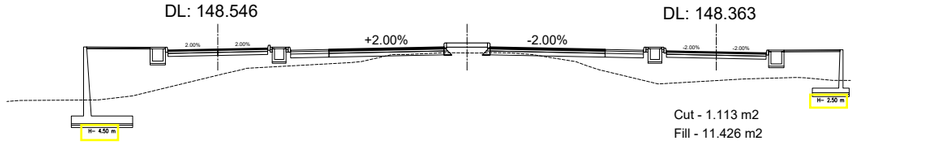


Cut - 1.512 m2
Fill - 17.043 m2

Ch:619+290
GL:148.312
DL:148.687

GL: 146.859
DL: 148.546

GL: 146.510
DL: 148.363

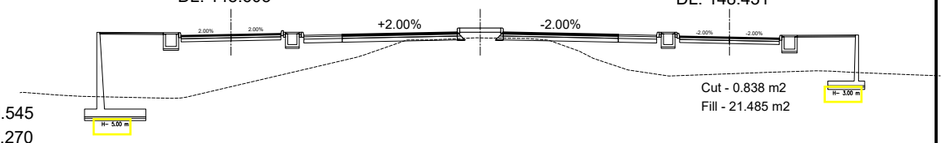


Cut - 1.113 m2
Fill - 11.426 m2

Ch:619+300
GL:148.399
DL:148.764

GL: 145.216
DL: 148.603

GL: 146.059
DL: 148.431

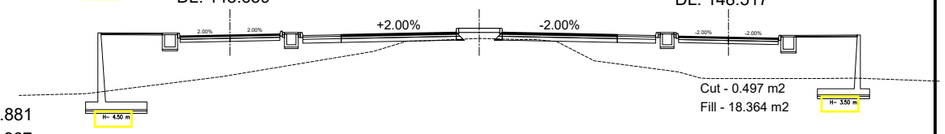


Cut - 0.838 m2
Fill - 21.485 m2

Ch:619+310
GL:148.452
DL:148.841

GL: 146.050
DL: 148.659

GL: 145.838
DL: 148.517

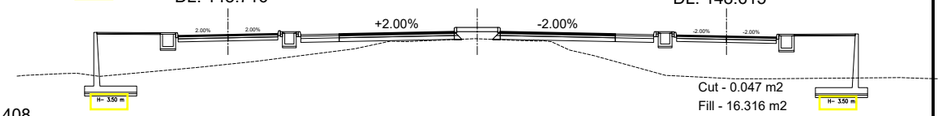


Cut - 0.497 m2
Fill - 18.364 m2

Ch:619+320
GL:148.457
DL:148.918

GL: 146.795
DL: 148.716

GL: 145.874
DL: 148.615

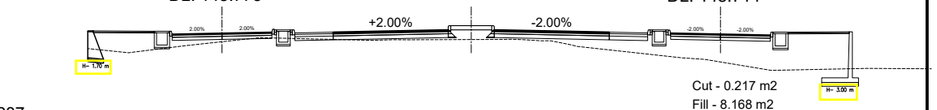


Cut - 0.047 m2
Fill - 16.316 m2

Ch:619+330
GL:148.364
DL:148.995

GL: 148.223
DL: 148.773

GL: 146.903
DL: 148.714

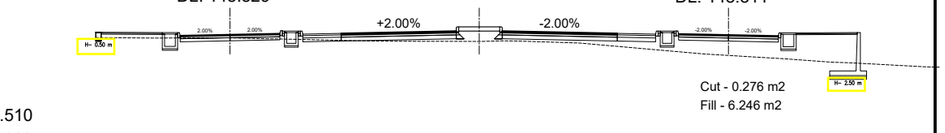


Cut - 0.217 m2
Fill - 8.168 m2

Ch:619+340
GL:148.387
DL:149.063

GL: 148.618
DL: 148.829

GL: 147.476
DL: 148.811



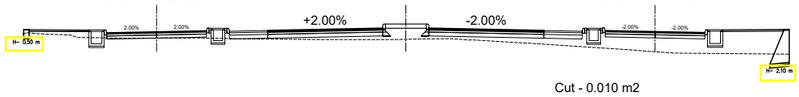
Cut - 0.276 m2
Fill - 6.246 m2

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:619+200 - 619+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.:** 197

Ch:619+350
GL:148.400
DL:149.120

GL: 148.482
DL: 148.878

GL: 147.591
DL: 148.892

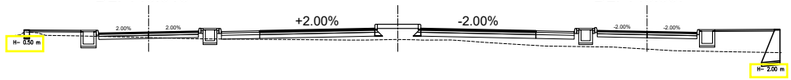


Cut - 0.010 m2
Fill - 7.534 m2

Ch:619+360
GL:148.450
DL:149.166

GL: 148.573
DL: 148.915

GL: 147.820
DL: 148.957

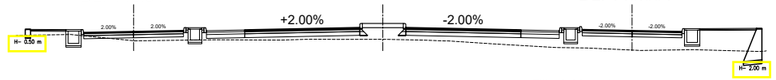


Cut - 0.004 m2
Fill - 8.114 m2

Ch:619+370
GL:148.443
DL:149.200

GL: 148.349
DL: 148.941

GL: 147.740
DL: 149.004

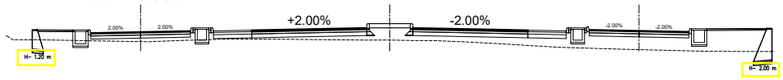


Fill - 9.625 m2

Ch:619+380
GL:148.430
DL:149.223

GL: 148.326
DL: 148.956

GL: 147.803
DL: 149.035

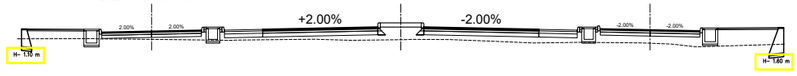


Fill - 9.410 m2

Ch:619+390
GL:148.412
DL:149.235

GL: 148.431
DL: 148.959

GL: 148.182
DL: 149.048

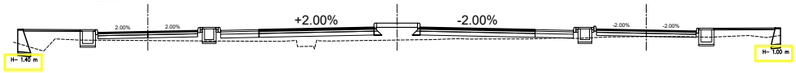


Fill - 9.043 m2

Ch:619+400
GL:148.407
DL:149.235

GL: 148.372
DL: 148.951

GL: 148.634
DL: 149.044

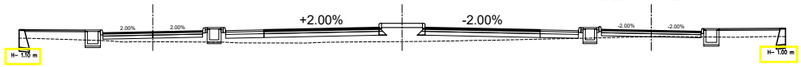


Fill - 8.178 m2

Ch:619+410
GL:148.310
DL:149.224

GL: 148.298
DL: 148.932

GL: 148.633
DL: 149.024

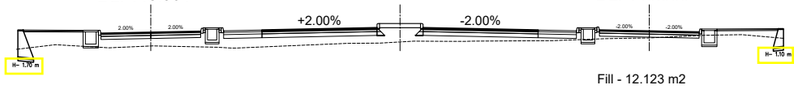


Fill - 9.500 m2

Ch:619+420
GL:148.276
DL:149.201

GL: 148.013
DL: 148.901

GL: 148.538
DL: 148.986

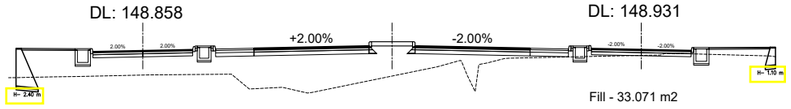


Fill - 12.123 m2

Ch:619+430
GL:147.206
DL:149.167

GL: 147.271
DL: 148.858

GL: 148.553
DL: 148.931

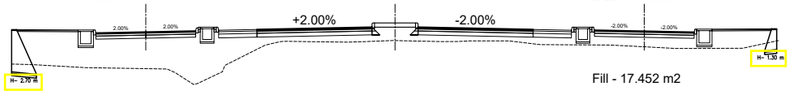


Fill - 33.071 m2

Ch:619+440
GL:148.249
DL:149.122

GL: 146.418
DL: 148.804

GL: 147.843
DL: 148.859

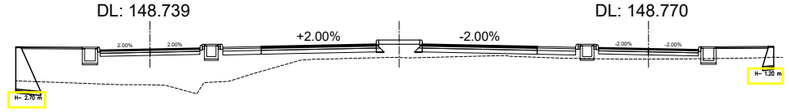


Fill - 17.452 m2

Ch:619+450
GL:148.200
DL:149.065

GL: 146.422
DL: 148.739

GL: 148.100
DL: 148.770

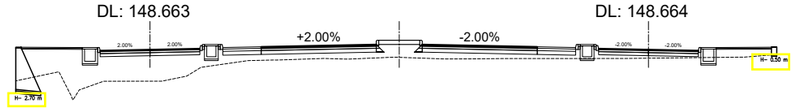


Fill - 15.421 m2

Ch:619+460
GL:148.158
DL:148.996

GL: 146.603
DL: 148.663

GL: 148.102
DL: 148.664

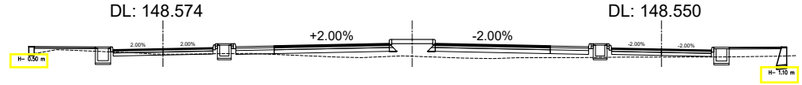


Fill - 11.256 m2

Ch:619+470
GL:148.097
DL:148.917

GL: 148.235
DL: 148.574

GL: 148.043
DL: 148.550

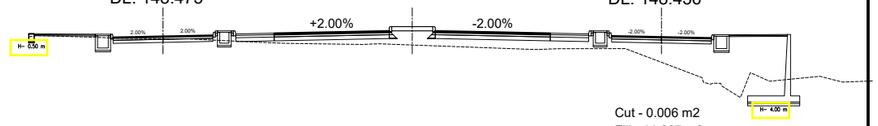


Cut - 0.065 m2
Fill - 8.500 m2

Ch:619+480
GL:147.905
DL:148.826

GL: 148.311
DL: 148.475

GL: 146.779
DL: 148.436

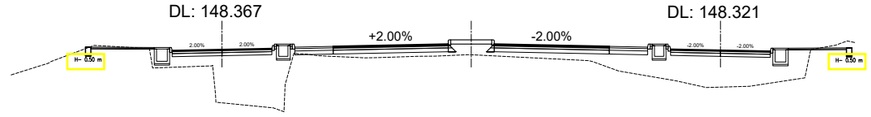


Cut - 0.006 m2
Fill - 11.227 m2

Ch:619+490
GL:148.029
DL:148.723

GL: 144.895
DL: 148.367

GL: 145.919
DL: 148.321



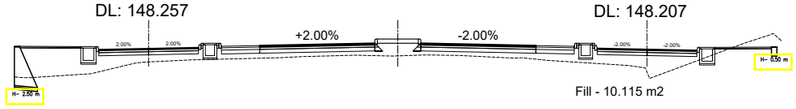
Cut - 0.047 m2
Fill - 15.430 m2

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:619+350 - 619+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.:** 198

Ch:619+500
GL:147.787
DL:148.610

GL: 147.393
DL: 148.257

GL: 146.725
DL: 148.207

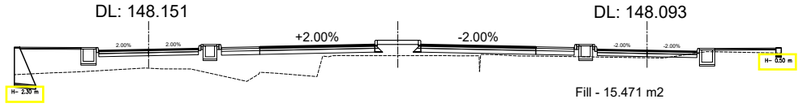


Fill - 10.115 m2

Ch:619+510
GL:147.755
DL:148.484

GL: 146.938
DL: 148.151

GL: 147.616
DL: 148.093

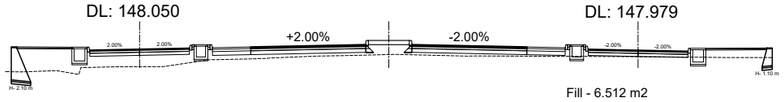


Fill - 15.471 m2

Ch:619+520
GL:147.704
DL:148.348

GL: 146.912
DL: 148.050

GL: 147.567
DL: 147.979

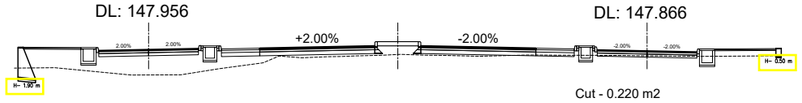


Fill - 6.512 m2

Ch:619+530
GL:147.638
DL:148.200

GL: 146.304
DL: 147.956

GL: 147.553
DL: 147.866

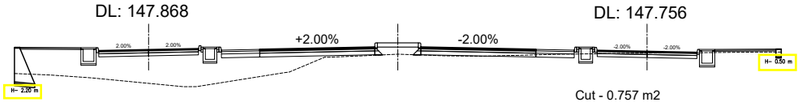


Cut - 0.220 m2
Fill - 6.605 m2

Ch:619+540
GL:147.577
DL:148.041

GL: 145.677
DL: 147.868

GL: 147.647
DL: 147.756

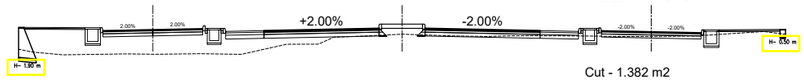


Cut - 0.757 m2
Fill - 11.604 m2

Ch:619+550
GL:147.497
DL:147.880

GL: 146.195
DL: 147.787

GL: 147.355
DL: 147.649

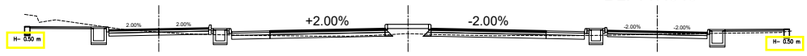


Cut - 1.382 m2
Fill - 7.450 m2

Ch:619+560
GL:147.409
DL:147.740

GL: 147.510
DL: 147.709

GL: 147.362
DL: 147.545

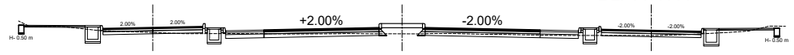


Cut - 3.242 m2
Fill - 2.052 m2

Ch:619+570
GL:147.228
DL:147.624

GL: 147.315
DL: 147.632

GL: 147.121
DL: 147.444

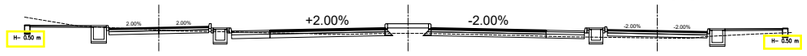


Cut - 4.044 m2
Fill - 2.063 m2

Ch:619+580
GL:147.181
DL:147.533

GL: 147.395
DL: 147.554

GL: 146.876
DL: 147.346



Cut - 4.133 m2
Fill - 2.079 m2

Ch:619+590
GL:147.041
DL:147.467

GL: 147.411
DL: 147.477

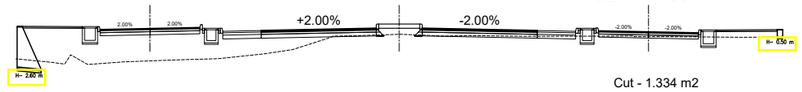
GL: 146.921
DL: 147.256

Cut - 4.407 m2
Fill - 2.062 m2

Ch:619+600
GL:147.028
DL:147.424

GL: 145.298
DL: 147.399

GL: 146.887
DL: 147.183

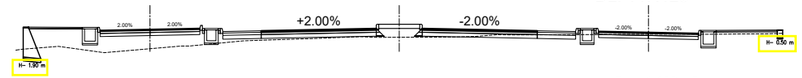


Cut - 1.334 m2
Fill - 9.365 m2

Ch:619+610
GL:146.812
DL:147.385

GL: 146.065
DL: 147.322

GL: 147.008
DL: 147.128

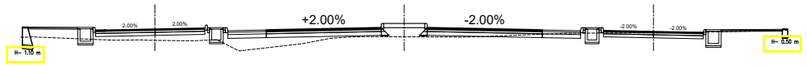


Cut - 1.406 m2
Fill - 3.488 m2

Ch:619+620
GL:146.753
DL:147.347

GL: 146.519
DL: 147.245

GL: 147.006
DL: 147.084

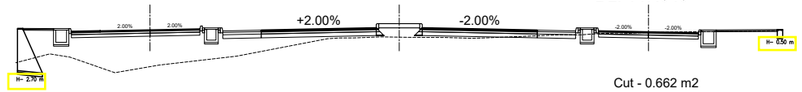


Cut - 1.142 m2
Fill - 6.680 m2

Ch:619+630
GL:146.703
DL:147.308

GL: 144.781
DL: 147.167

GL: 146.999
DL: 147.040

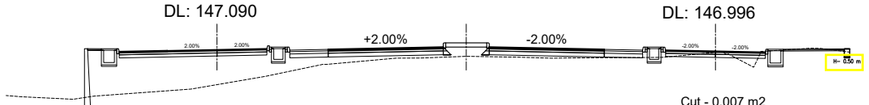


Cut - 0.662 m2
Fill - 9.734 m2

Ch:619+640
GL:146.667
DL:147.270

GL: 144.822
DL: 147.090

GL: 146.924
DL: 146.996



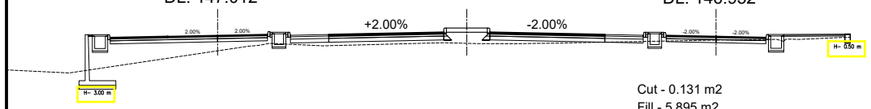
Cut - 0.007 m2
Fill - 8.078 m2

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:619+500 - 619+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.:** 199

Ch:619+650
GL:146.509
DL:147.232

GL: 146.021
DL: 147.012

GL: 146.722
DL: 146.952

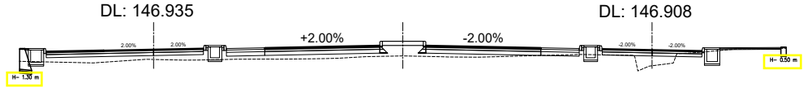


Cut - 0.131 m2
Fill - 5.895 m2

Ch:619+660
GL:146.512
DL:147.193

GL: 146.281
DL: 146.935

GL: 145.870
DL: 146.908

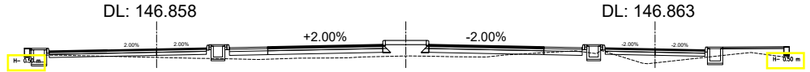


Cut - 0.136 m2
Fill - 6.548 m2

Ch:619+670
GL:146.419
DL:147.155

GL: 146.325
DL: 146.858

GL: 145.967
DL: 146.863

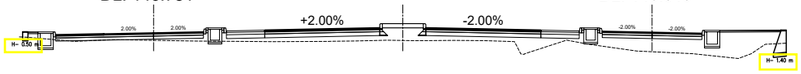


Cut - 0.646 m2
Fill - 6.987 m2

Ch:619+680
GL:146.296
DL:147.116

GL: 146.305
DL: 146.781

GL: 145.560
DL: 146.819

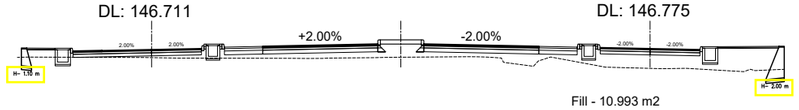


Fill - 10.180 m2

Ch:619+690
GL:146.221
DL:147.078

GL: 146.195
DL: 146.711

GL: 145.495
DL: 146.775

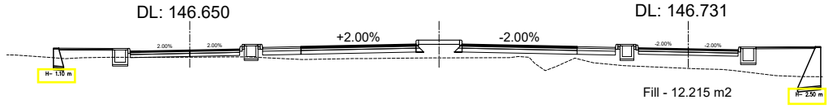


Fill - 10.993 m2

Ch:619+700
GL:146.156
DL:147.039

GL: 146.204
DL: 146.650

GL: 145.471
DL: 146.731

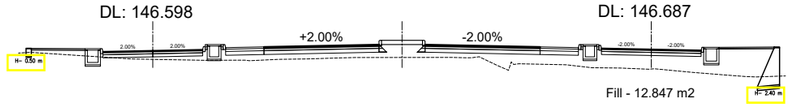


Fill - 12.215 m2

Ch:619+710
GL:146.158
DL:147.001

GL: 146.035
DL: 146.598

GL: 145.405
DL: 146.687

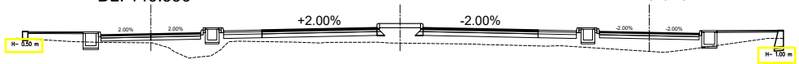


Fill - 12.847 m2

Ch:619+720
GL:145.961
DL:146.962

GL: 145.981
DL: 146.556

GL: 145.423
DL: 146.643

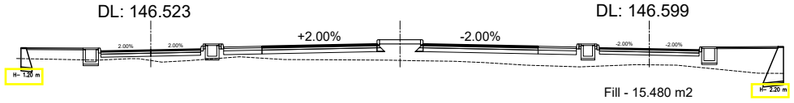


Fill - 13.749 m2

Ch:619+730
GL:145.853
DL:146.924

GL: 145.847
DL: 146.523

GL: 145.564
DL: 146.599

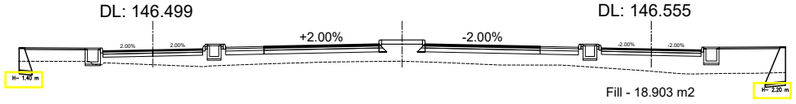


Fill - 15.480 m2

Ch:619+740
GL:145.774
DL:146.885

GL: 145.547
DL: 146.499

GL: 145.120
DL: 146.555

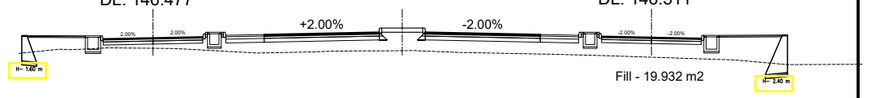


Fill - 18.903 m2

Ch:619+750
GL:145.648
DL:146.847

GL: 145.802
DL: 146.477

GL: 145.220
DL: 146.511

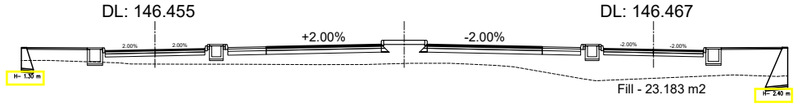


Fill - 19.932 m2

Ch:619+760
GL:145.571
DL:146.808

GL: 145.530
DL: 146.455

GL: 144.603
DL: 146.467

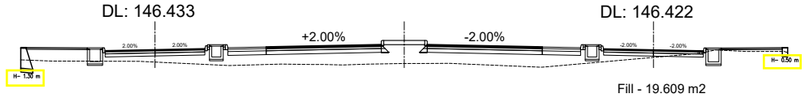


Fill - 23.183 m2

Ch:619+770
GL:145.544
DL:146.770

GL: 145.636
DL: 146.433

GL: 145.940
DL: 146.422

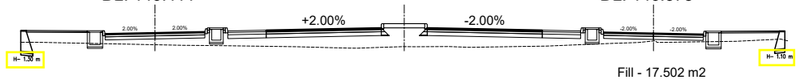


Fill - 19.609 m2

Ch:619+780
GL:145.510
DL:146.732

GL: 145.633
DL: 146.411

GL: 145.878
DL: 146.378

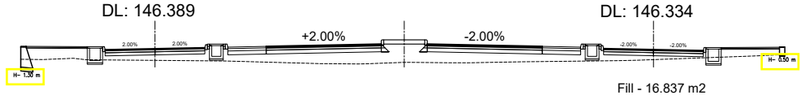


Fill - 17.502 m2

Ch:619+790
GL:145.501
DL:146.693

GL: 145.632
DL: 146.389

GL: 145.680
DL: 146.334



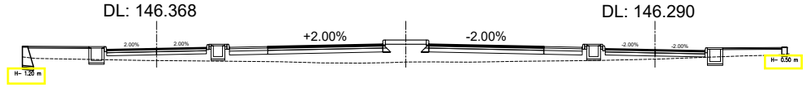
Fill - 16.837 m2

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:619+650 - 619+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.:** 200

Ch:619+800
GL:145.498
DL:146.655

GL: 145.592
DL: 146.368

GL: 145.685
DL: 146.290

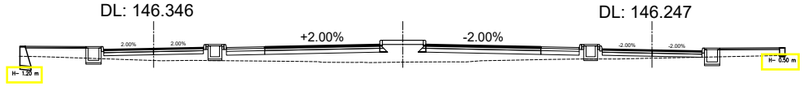


Fill - 15.664 m2

Ch:619+810
GL:145.464
DL:146.616

GL: 145.571
DL: 146.346

GL: 145.721
DL: 146.247

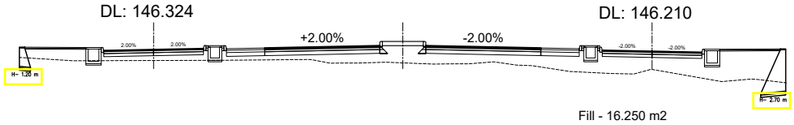


Fill - 14.170 m2

Ch:619+820
GL:145.456
DL:146.578

GL: 145.610
DL: 146.324

GL: 145.029
DL: 146.210

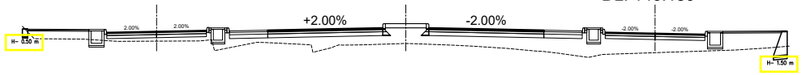


Fill - 16.250 m2

Ch:619+830
GL:145.523
DL:146.539

GL: 145.674
DL: 146.302

GL: 144.922
DL: 146.180

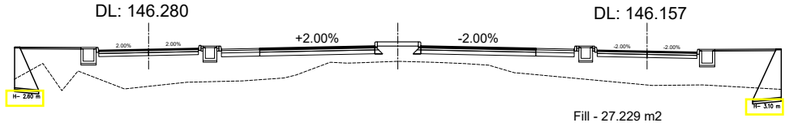


Fill - 18.583 m2

Ch:619+840
GL:145.508
DL:146.501

GL: 143.878
DL: 146.280

GL: 143.966
DL: 146.157

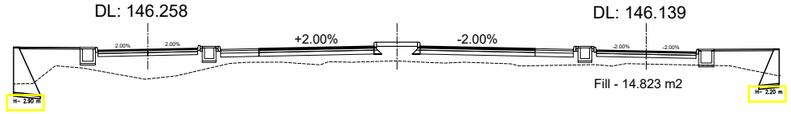


Fill - 27.229 m2

Ch:619+850
GL:145.512
DL:146.462

GL: 144.338
DL: 146.258

GL: 145.308
DL: 146.139

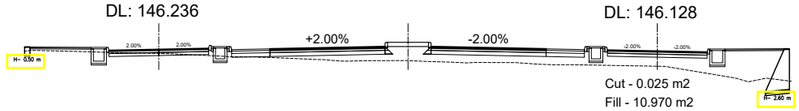


Fill - 14.823 m2

Ch:619+860
GL:145.510
DL:146.424

GL: 145.973
DL: 146.236

GL: 145.140
DL: 146.128

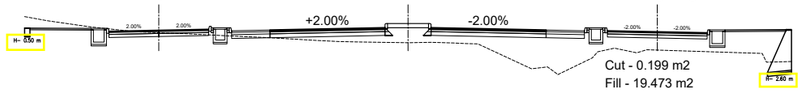


Cut - 0.025 m2
Fill - 10.970 m2

Ch:619+870
GL:145.410
DL:146.385

GL: 146.061
DL: 146.214

GL: 144.930
DL: 146.116

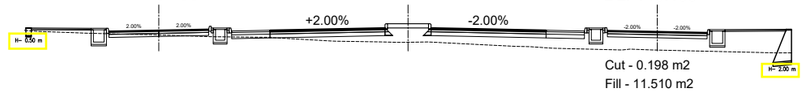


Cut - 0.199 m2
Fill - 19.473 m2

Ch:619+880
GL:145.413
DL:146.347

GL: 145.896
DL: 146.193

GL: 144.906
DL: 146.105

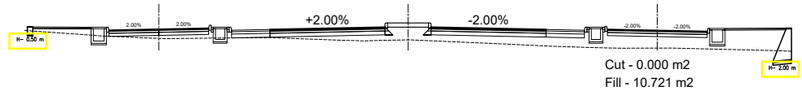


Cut - 0.198 m2
Fill - 11.510 m2

Ch:619+890
GL:145.480
DL:146.308

GL: 145.576
DL: 146.171

GL: 144.944
DL: 146.094

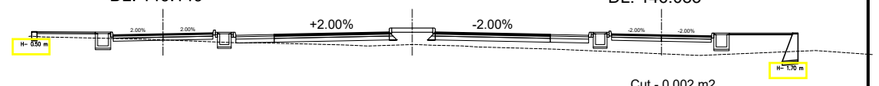


Cut - 0.000 m2
Fill - 10.721 m2

Ch:619+900
GL:145.468
DL:146.270

GL: 145.771
DL: 146.149

GL: 144.866
DL: 146.083

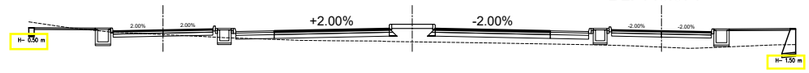


Cut - 0.002 m2
Fill - 9.607 m2

Ch:619+910
GL:145.361
DL:146.232

GL: 145.834
DL: 146.127

GL: 145.016
DL: 146.071

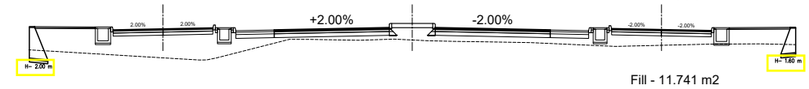


Cut - 0.052 m2
Fill - 8.908 m2

Ch:619+920
GL:145.390
DL:146.193

GL: 144.226
DL: 146.105

GL: 145.044
DL: 146.060

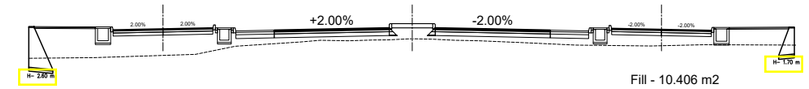


Fill - 11.741 m2

Ch:619+930
GL:145.446
DL:146.155

GL: 144.360
DL: 146.083

GL: 144.991
DL: 146.049

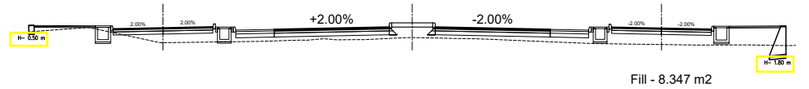


Fill - 10.406 m2

Ch:619+940
GL:145.434
DL:146.116

GL: 145.098
DL: 146.061

GL: 144.979
DL: 146.037



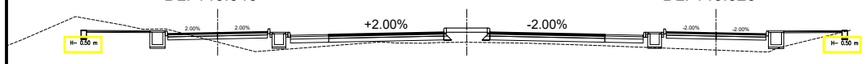
Fill - 8.347 m2

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:619+800 - 619+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.:** 201

Ch:619+950
GL:145.427
DL:146.078

GL: 145.438
DL: 146.040

GL: 144.916
DL: 146.026

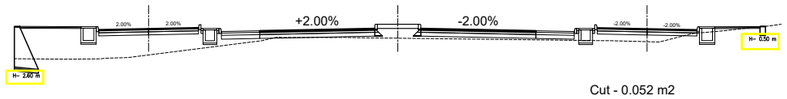


Fill - 7.104 m2

Ch:619+960
GL:145.406
DL:146.042

GL: 144.315
DL: 146.023

GL: 145.181
DL: 146.015

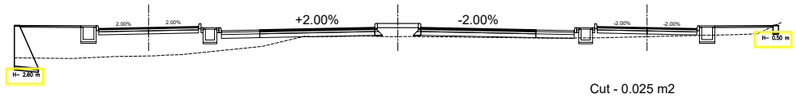


Cut - 0.052 m2
Fill - 5.258 m2

Ch:619+970
GL:145.434
DL:146.015

GL: 144.171
DL: 146.009

GL: 145.429
DL: 146.004

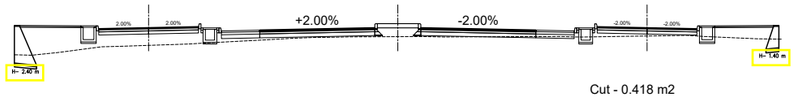


Cut - 0.025 m2
Fill - 6.441 m2

Ch:619+980
GL:145.425
DL:145.998

GL: 144.858
DL: 145.999

GL: 145.469
DL: 145.997

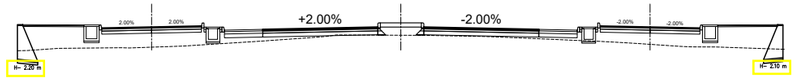


Cut - 0.418 m2
Fill - 3.763 m2

Ch:619+990
GL:145.459
DL:145.990

GL: 144.681
DL: 145.993

GL: 144.866
DL: 145.992

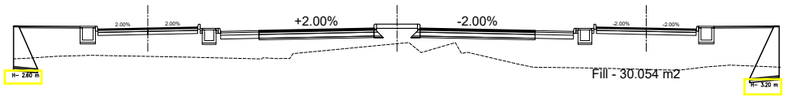


Cut - 0.041 m2
Fill - 4.866 m2

Ch:620+000
GL:144.990
DL:145.990

GL: 144.163
DL: 145.990

GL: 143.313
DL: 145.990

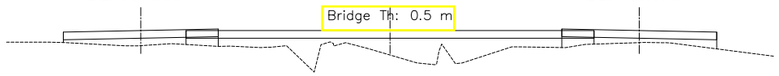


Fill - 30.054 m2

Ch:620+010
GL:144.396
DL:145.990

GL: 145.006
DL: 145.990

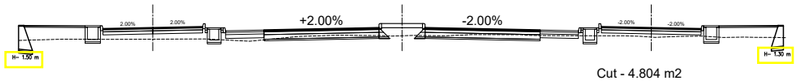
GL: 145.203
DL: 145.990



Ch:620+020
GL:145.468
DL:145.991

GL: 145.247
DL: 145.990

GL: 145.382
DL: 145.990

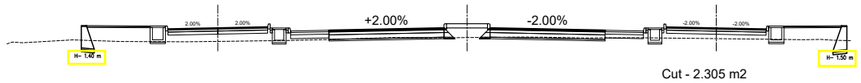


Cut - 4.804 m2
Fill - 3.003 m2

Ch:620+030
GL:145.366
DL:145.993

GL: 145.117
DL: 145.990

GL: 145.298
DL: 145.983

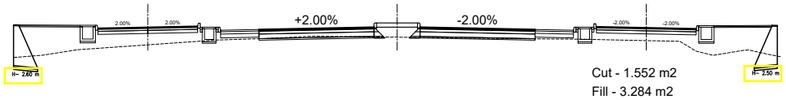


Cut - 2.305 m2
Fill - 2.948 m2

Ch:620+040
GL:145.343
DL:145.998

GL: 144.846
DL: 145.988

GL: 145.121
DL: 145.959

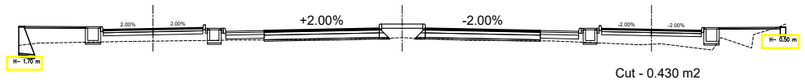


Cut - 1.552 m2
Fill - 3.284 m2

Ch:620+050
GL:145.391
DL:146.004

GL: 145.165
DL: 145.974

GL: 144.960
DL: 145.919

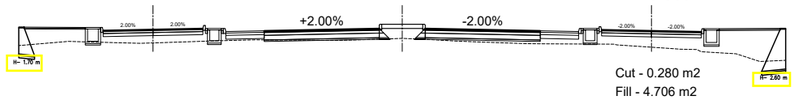


Cut - 0.430 m2
Fill - 3.529 m2

Ch:620+060
GL:145.368
DL:146.012

GL: 145.070
DL: 145.945

GL: 144.791
DL: 145.863

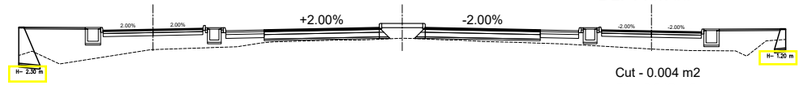


Cut - 0.280 m2
Fill - 4.706 m2

Ch:620+070
GL:145.334
DL:146.023

GL: 144.595
DL: 145.903

GL: 144.631
DL: 145.798

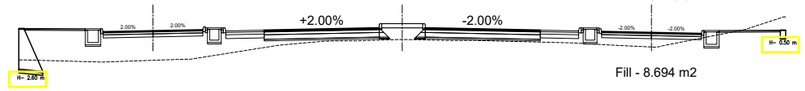


Cut - 0.004 m2
Fill - 6.943 m2

Ch:620+080
GL:145.284
DL:146.037

GL: 143.925
DL: 145.845

GL: 144.792
DL: 145.733

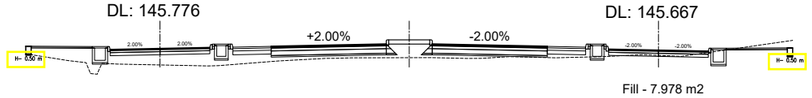


Fill - 8.694 m2

Ch:620+090
GL:145.185
DL:146.070

GL: 144.710
DL: 145.776

GL: 145.336
DL: 145.667



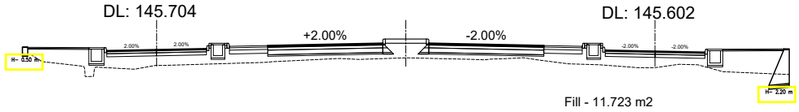
Fill - 7.978 m2

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:619+950 - 620+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.:** 202

Ch:620+100
GL:145.174
DL:146.124

GL: 144.684
DL: 145.704

GL: 144.533
DL: 145.602

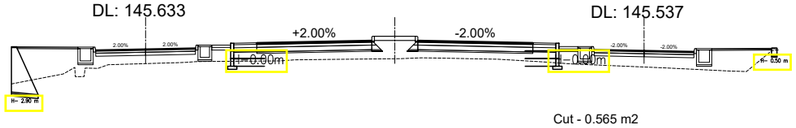


Fill - 11.723 m2

Ch:620+110
GL:145.010
DL:146.200

GL: 144.691
DL: 145.633

GL: 144.470
DL: 145.537

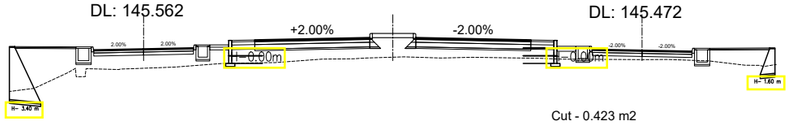


Cut - 0.565 m2
Fill - 12.519 m2

Ch:620+120
GL:145.025
DL:146.297

GL: 144.304
DL: 145.562

GL: 144.866
DL: 145.472

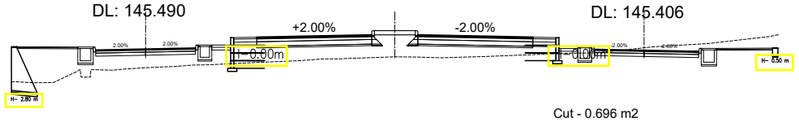


Cut - 0.423 m2
Fill - 15.493 m2

Ch:620+130
GL:144.986
DL:146.416

GL: 144.271
DL: 145.490

GL: 145.573
DL: 145.406

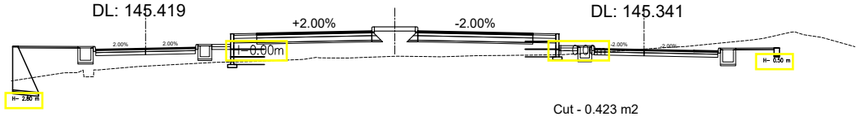


Cut - 0.696 m2
Fill - 18.090 m2

Ch:620+140
GL:144.914
DL:146.556

GL: 144.271
DL: 145.419

GL: 145.380
DL: 145.341

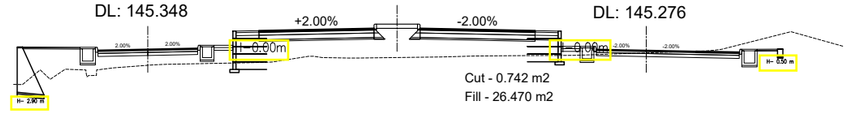


Cut - 0.423 m2
Fill - 22.310 m2

Ch:620+150
GL:144.815
DL:146.717

GL: 144.309
DL: 145.348

GL: 145.116
DL: 145.276

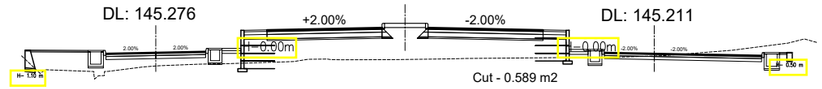


Cut - 0.742 m2
Fill - 26.470 m2

Ch:620+160
GL:144.819
DL:146.900

GL: 144.395
DL: 145.276

GL: 145.048
DL: 145.211

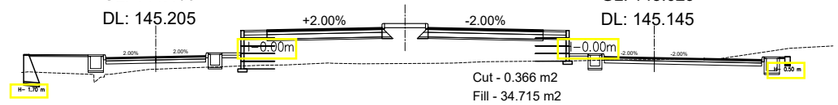


Cut - 0.589 m2
Fill - 29.968 m2

Ch:620+170
GL:144.773
DL:147.104

GL: 144.403
DL: 145.205

GL: 145.029
DL: 145.145

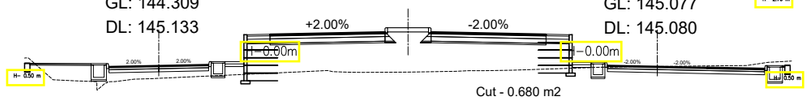


Cut - 0.366 m2
Fill - 34.715 m2

Ch:620+180
GL:144.713
DL:147.329

GL: 144.309
DL: 145.133

GL: 145.077
DL: 145.080

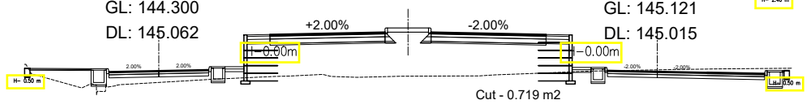


Cut - 0.680 m2
Fill - 40.233 m2

Ch:620+190
GL:144.708
DL:147.576

GL: 144.300
DL: 145.062

GL: 145.121
DL: 145.015

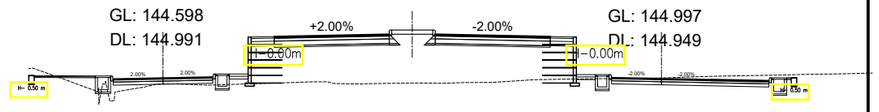


Cut - 0.719 m2
Fill - 45.719 m2

Ch:620+200
GL:144.669
DL:147.845

GL: 144.598
DL: 144.991

GL: 144.997
DL: 144.949

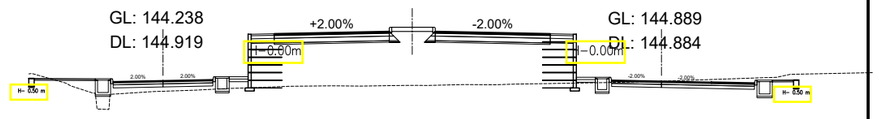


Cut - 0.367 m2
Fill - 52.049 m2

Ch:620+210
GL:144.620
DL:148.134

GL: 144.238
DL: 144.919

GL: 144.889
DL: 144.884

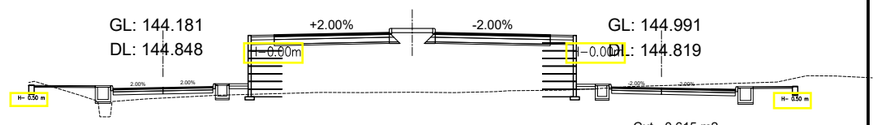


Cut - 0.431 m2
Fill - 59.958 m2

Ch:620+220
GL:144.557
DL:148.441

GL: 144.181
DL: 144.848

GL: 144.991
DL: 144.819

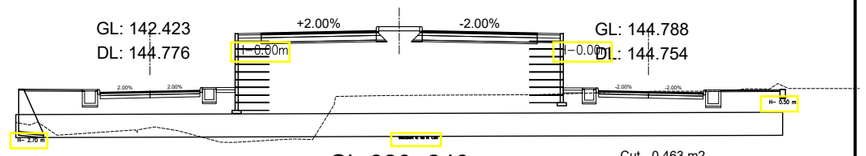


Cut - 0.615 m2
Fill - 67.692 m2

Ch:620+230
GL:144.527
DL:148.733

GL: 142.423
DL: 144.776

GL: 144.788
DL: 144.754

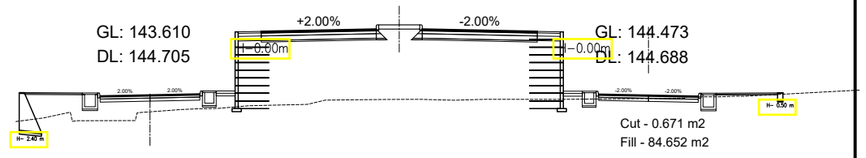


Cut - 0.463 m2
Fill - 91.776 m2

Ch:620+240
GL:144.419
DL:149.002

GL: 143.610
DL: 144.705

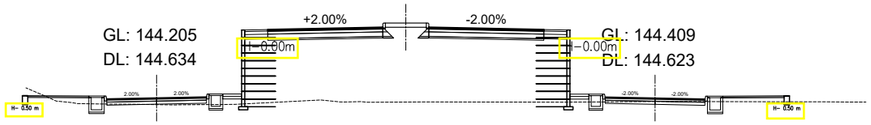
GL: 144.473
DL: 144.688



Cut - 0.671 m2
Fill - 84.652 m2

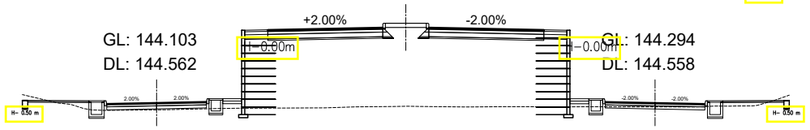
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:620+100 - 620+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.:** 203

Ch:620+250
GL:144.374
DL:149.247



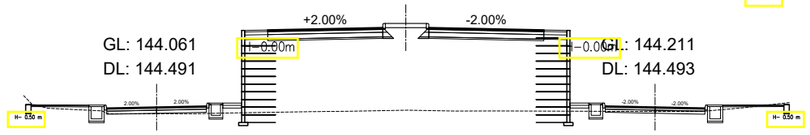
Ch:620+260
GL:144.334
DL:149.470

Cut - 0.532 m2
Fill - 88.510 m2



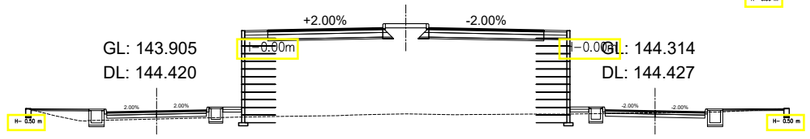
Ch:620+270
GL:144.290
DL:149.670

Cut - 0.794 m2
Fill - 95.288 m2



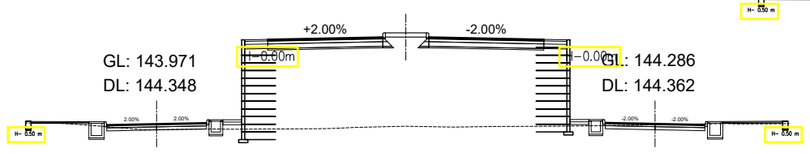
Ch:620+280
GL:144.241
DL:149.846

Cut - 1.063 m2
Fill - 100.636 m2



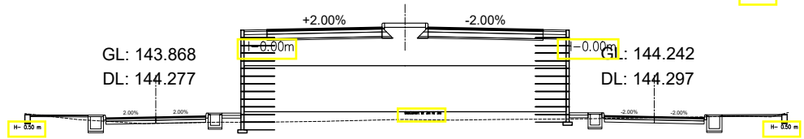
Ch:620+290
GL:144.189
DL:150.000

Cut - 0.801 m2
Fill - 105.456 m2



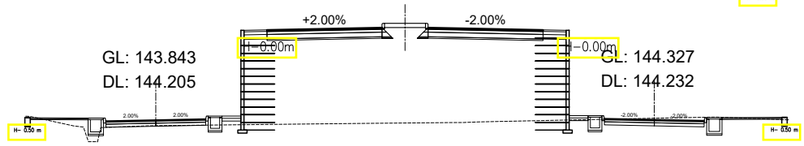
Cut - 0.874 m2
Fill - 109.812 m2

Ch:620+300
GL:144.131
DL:150.131



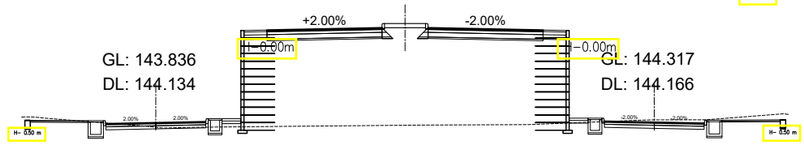
Ch:620+310
GL:144.017
DL:150.238

Cut - 0.658 m2
Fill - 113.559 m2



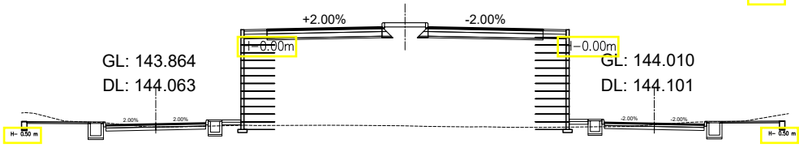
Ch:620+320
GL:143.970
DL:150.323

Cut - 0.840 m2
Fill - 116.634 m2



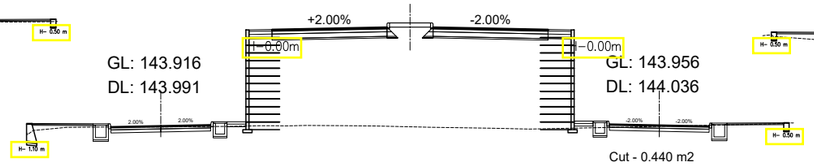
Ch:620+330
GL:143.940
DL:150.385

Cut - 0.657 m2
Fill - 119.831 m2



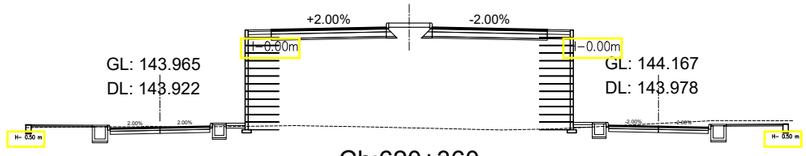
Ch:620+340
GL:143.930
DL:150.423

Cut - 0.494 m2
Fill - 122.055 m2



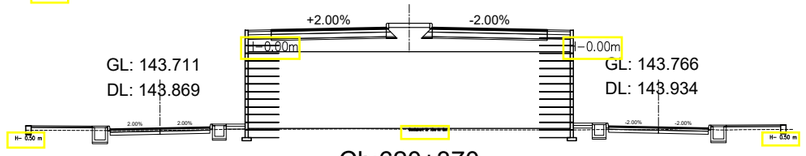
Cut - 0.440 m2
Fill - 122.921 m2

Ch:620+350
GL:143.884
DL:150.439



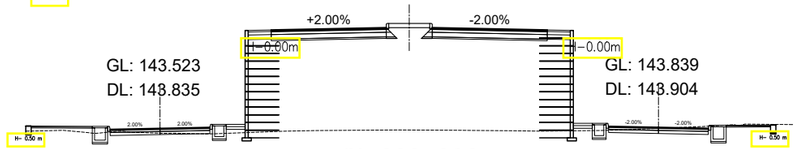
Ch:620+360
GL:143.796
DL:150.431

Cut - 0.441 m2
Fill - 123.832 m2



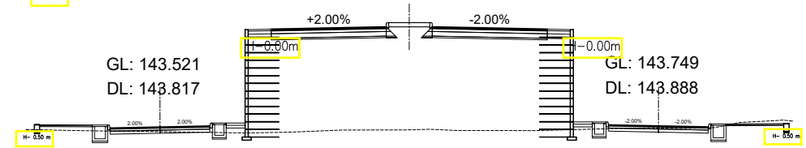
Ch:620+370
GL:143.730
DL:150.401

Cut - 0.875 m2
Fill - 125.862 m2



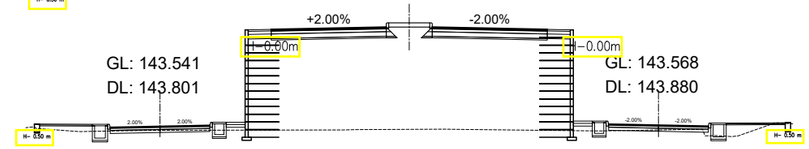
Ch:620+380
GL:143.638
DL:150.347

Cut - 0.721 m2
Fill - 127.234 m2



Ch:620+390
GL:143.606
DL:150.271

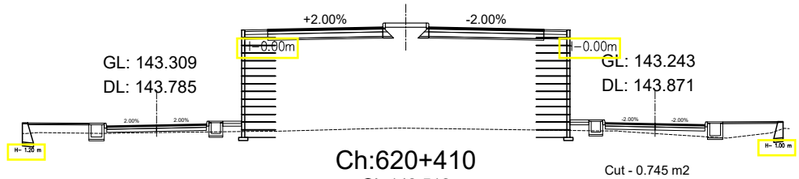
Cut - 0.689 m2
Fill - 128.282 m2



Cut - 0.778 m2
Fill - 126.890 m2

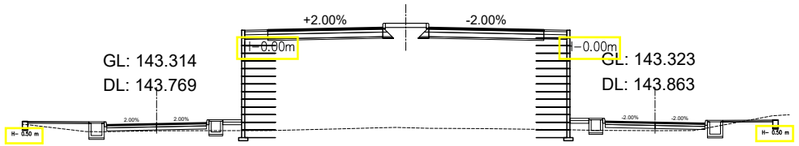
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:620+250 - 620+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.:** 204

Ch:620+400
GL:143.595
DL:150.171



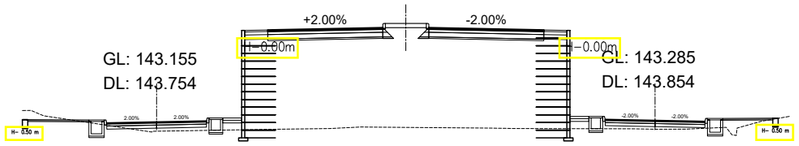
Cut - 0.745 m2
Fill - 126.334 m2

Ch:620+410
GL:143.518
DL:150.049



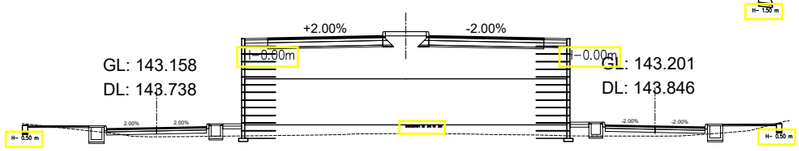
Cut - 0.821 m2
Fill - 125.207 m2

Ch:620+420
GL:143.404
DL:149.903



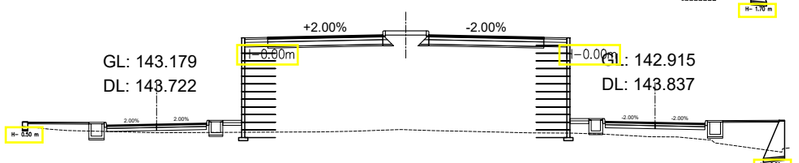
Cut - 0.915 m2
Fill - 123.902 m2

Ch:620+430
GL:143.370
DL:149.734



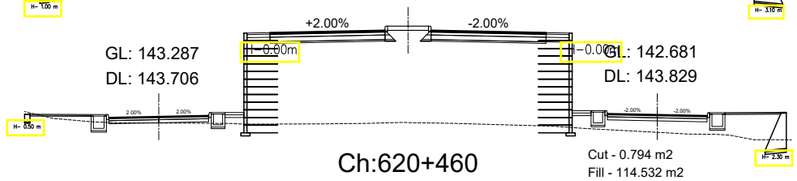
Cut - 0.433 m2
Fill - 121.355 m2

Ch:620+440
GL:143.376
DL:149.543



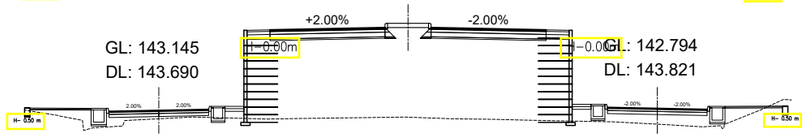
Cut - 0.623 m2
Fill - 118.341 m2

Ch:620+450
GL:143.318
DL:149.328



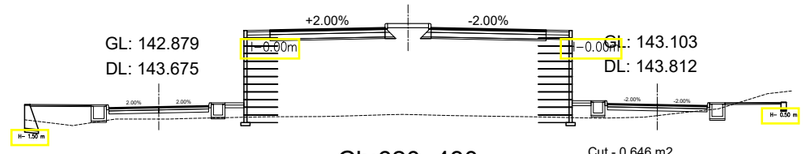
Cut - 0.794 m2
Fill - 114.532 m2

Ch:620+460
GL:143.249
DL:149.090



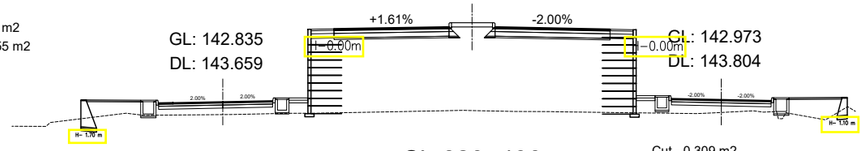
Cut - 0.446 m2
Fill - 111.053 m2

Ch:620+470
GL:143.176
DL:148.830



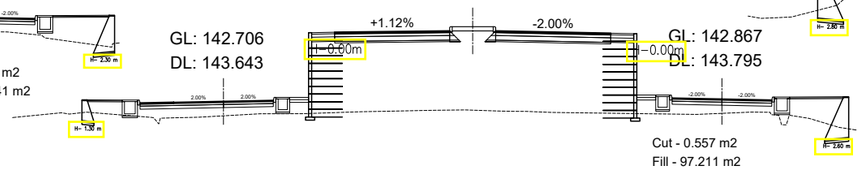
Cut - 0.646 m2
Fill - 107.162 m2

Ch:620+480
GL:143.098
DL:148.546



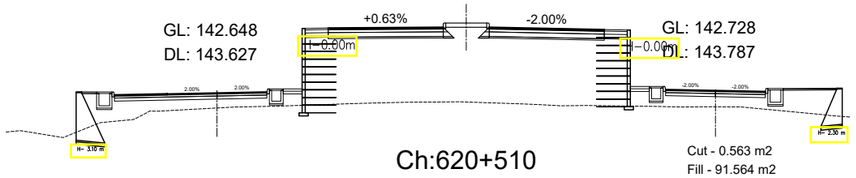
Cut - 0.309 m2
Fill - 102.509 m2

Ch:620+490
GL:143.075
DL:148.239



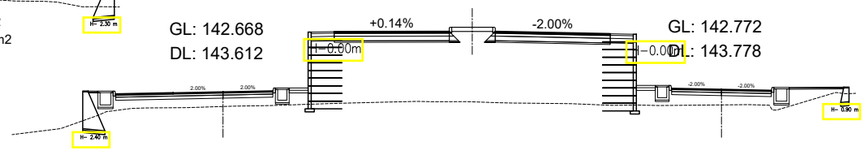
Cut - 0.557 m2
Fill - 97.211 m2

Ch:620+500
GL:143.039
DL:147.910



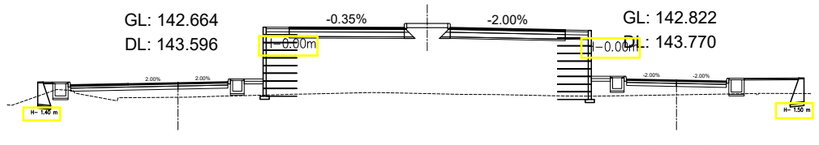
Cut - 0.563 m2
Fill - 91.564 m2

Ch:620+510
GL:142.973
DL:147.558



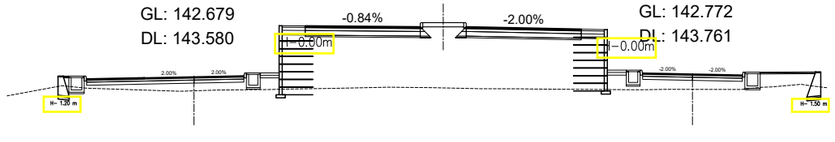
Cut - 0.648 m2
Fill - 84.942 m2

Ch:620+520
GL:142.904
DL:147.201



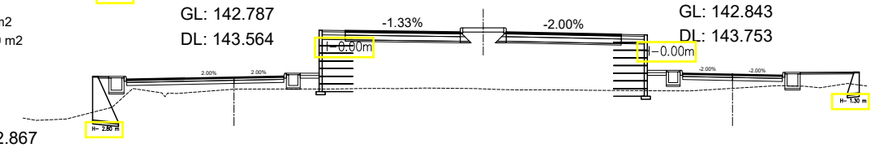
Cut - 0.415 m2
Fill - 78.331 m2

Ch:620+530
GL:142.868
DL:146.846



Cut - 0.514 m2
Fill - 71.718 m2

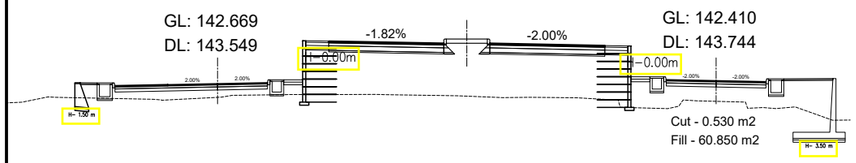
Ch:620+540
GL:142.808
DL:146.510



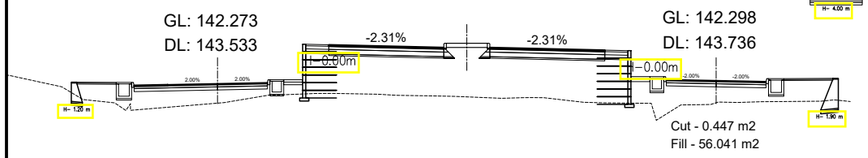
Cut - 0.558 m2
Fill - 65.909 m2

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:620+400 - 620+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.:** 205

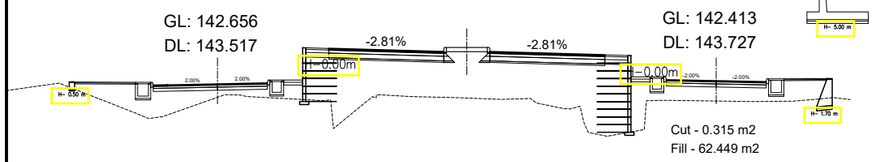
Ch:620+550
GL:142.747
DL:146.195



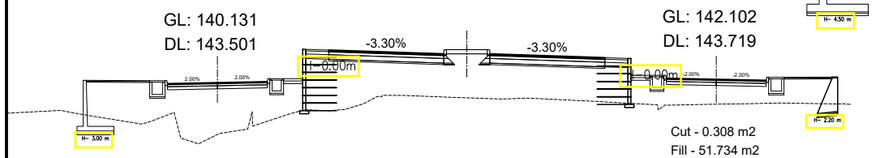
Ch:620+560
GL:142.682
DL:145.902



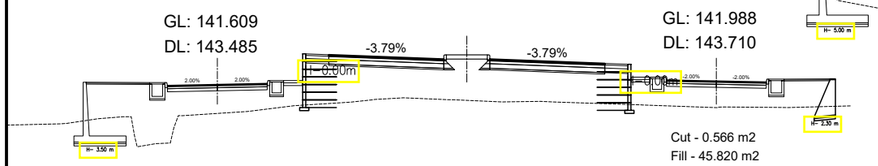
Ch:620+570
GL:142.611
DL:145.630



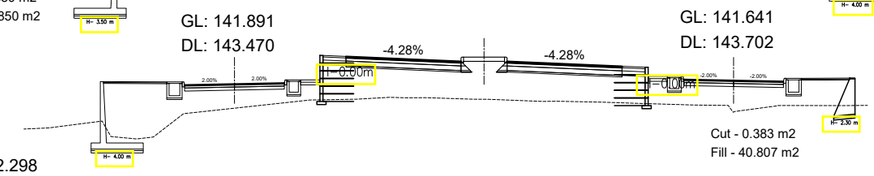
Ch:620+580
GL:142.515
DL:145.380



Ch:620+590
GL:142.461
DL:145.151

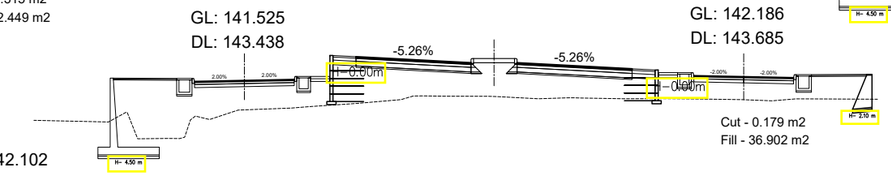


Ch:620+600
GL:142.473
DL:144.944

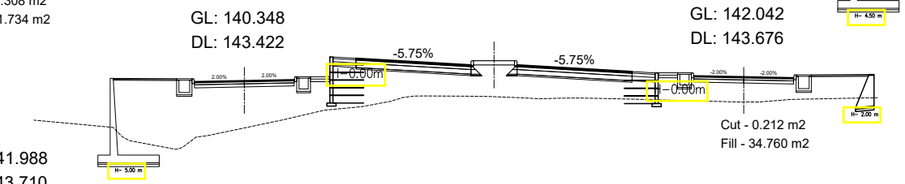


Ch:620+610
GL:142.425
DL:144.759

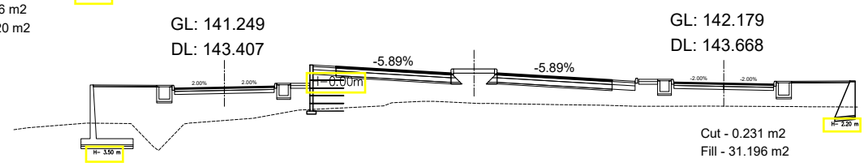
Ch:620+620
GL:142.396
DL:144.595



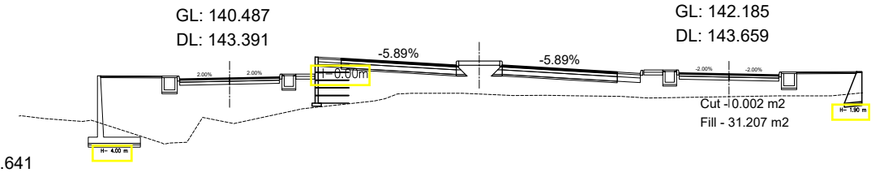
Ch:620+630
GL:142.385
DL:144.452



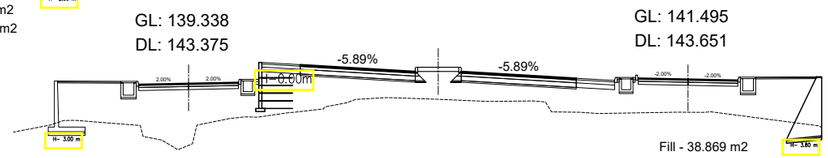
Ch:620+640
GL:142.373
DL:144.331



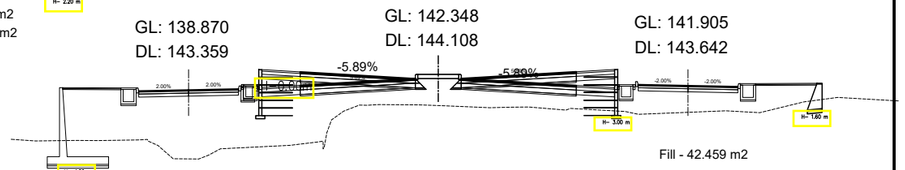
Ch:620+650
GL:142.358
DL:144.232



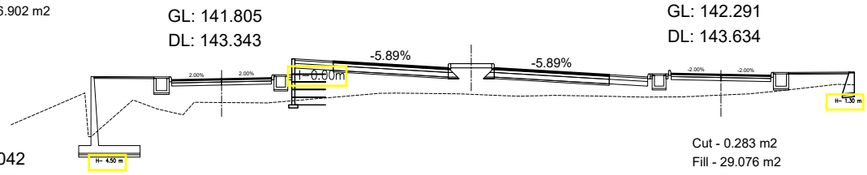
Ch:620+660
GL:142.340
DL:144.154



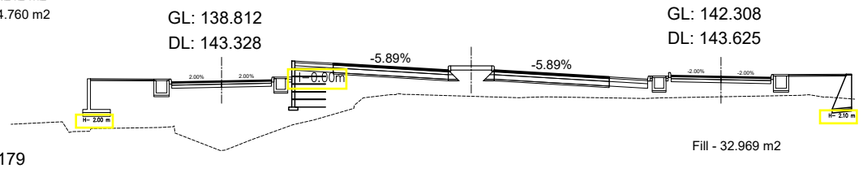
Ch:620+670
GL:142.348
DL:144.098



Ch:620+680
GL:142.340
DL:144.064

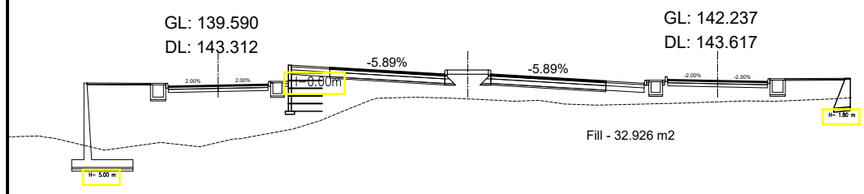


Ch:620+690
GL:142.340
DL:144.048

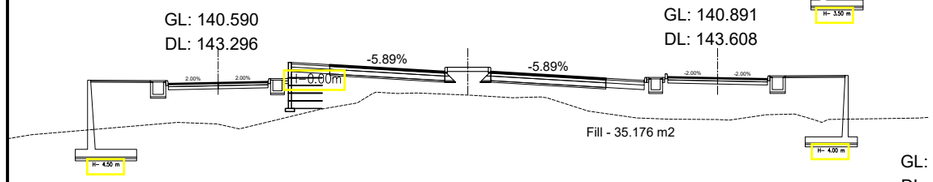


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:620+550 - 620+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.:** 206

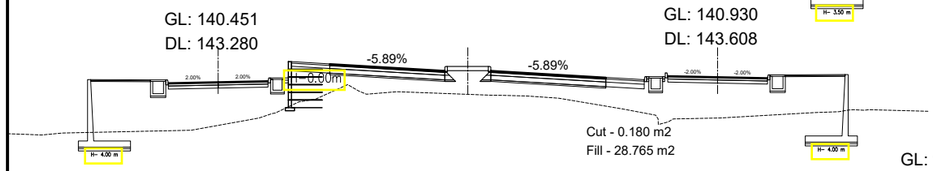
Ch:620+700
GL:142.431
DL:144.036



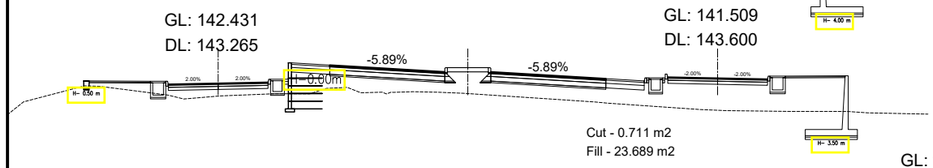
Ch:620+710
GL:142.486
DL:144.025



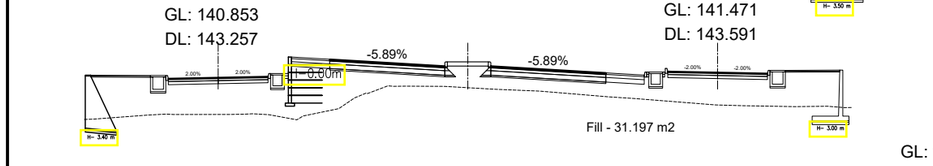
Ch:620+720
GL:142.474
DL:144.017



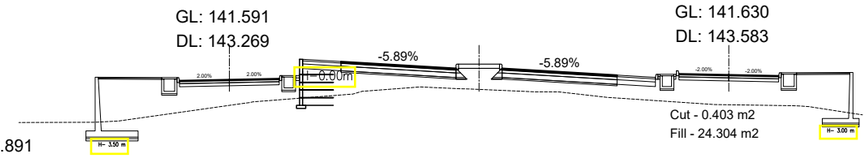
Ch:620+730
GL:142.596
DL:144.010



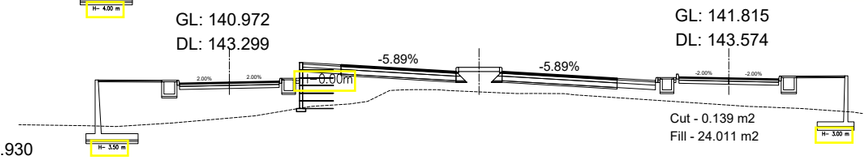
Ch:620+740
GL:142.596
DL:144.006



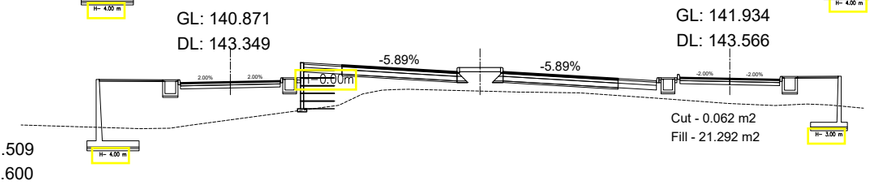
Ch:620+750
GL:142.632
DL:144.004



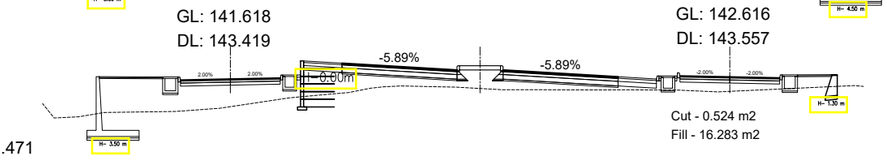
Ch:620+760
GL:142.678
DL:144.004



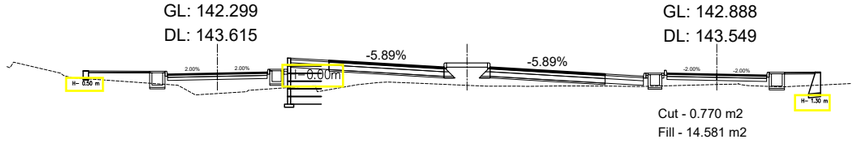
Ch:620+770
GL:142.748
DL:144.006



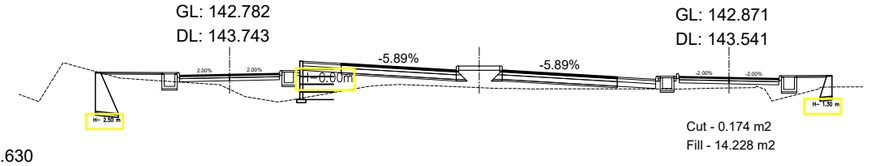
Ch:620+780
GL:142.803
DL:144.010



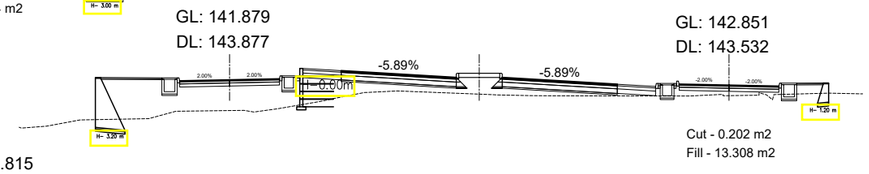
Ch:620+790
GL:142.832
DL:144.017



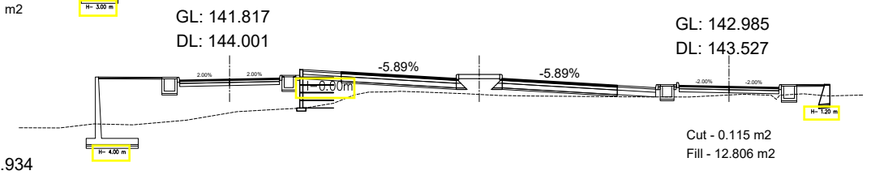
Ch:620+800
GL:142.892
DL:144.025



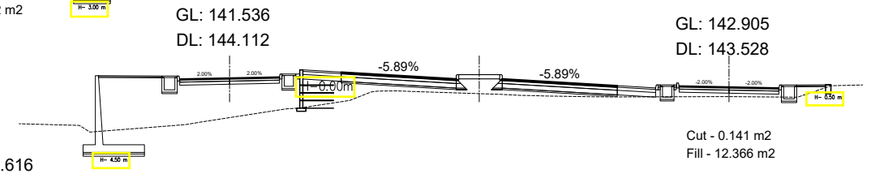
Ch:620+810
GL:142.949
DL:144.036



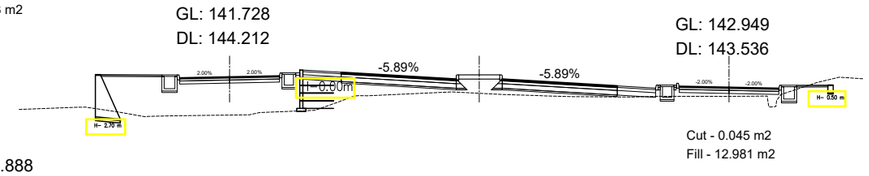
Ch:620+820
GL:143.021
DL:144.048



Ch:620+830
GL:143.098
DL:144.060



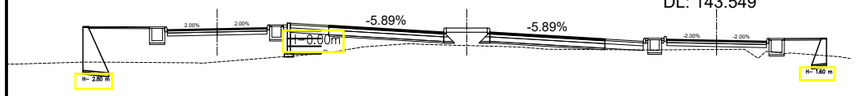
Ch:620+840
GL:143.147
DL:144.073



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:620+700 - 620+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.:** 207

Ch:620+850
GL:143.218
DL:144.085

GL: 142.148
DL: 144.301

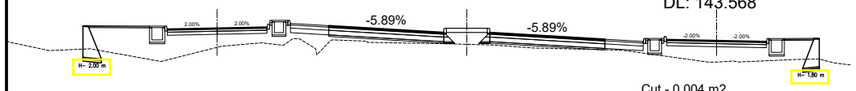


GL: 142.964
DL: 143.549

Cut - 0.043 m2
Fill - 10.718 m2

Ch:620+860
GL:143.326
DL:144.097

GL: 143.130
DL: 144.377

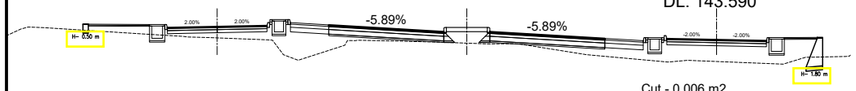


GL: 142.169
DL: 143.568

Cut - 0.004 m2
Fill - 7.596 m2

Ch:620+870
GL:143.361
DL:144.110

GL: 143.704
DL: 144.442

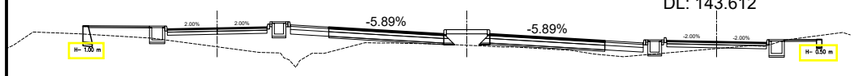


GL: 142.166
DL: 143.590

Cut - 0.006 m2
Fill - 13.193 m2

Ch:620+880
GL:143.381
DL:144.121

GL: 143.278
DL: 144.495

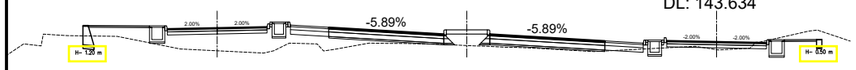


GL: 143.161
DL: 143.612

Cut - 0.013 m2
Fill - 11.330 m2

Ch:620+890
GL:143.385
DL:144.132

GL: 143.043
DL: 144.537

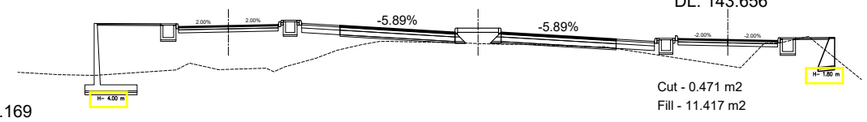


GL: 143.117
DL: 143.634

Cut - 0.234 m2
Fill - 7.328 m2

Ch:620+900
GL:143.413
DL:144.141

GL: 141.729
DL: 144.567

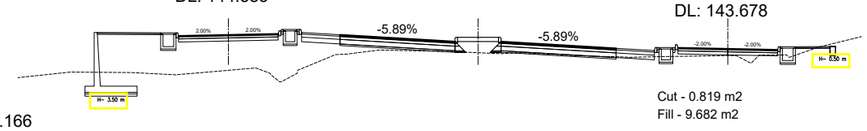


GL: 141.961
DL: 143.656

Cut - 0.471 m2
Fill - 11.417 m2

Ch:620+910
GL:143.421
DL:144.149

GL: 142.274
DL: 144.585

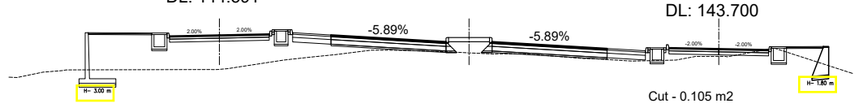


GL: 143.234
DL: 143.678

Cut - 0.819 m2
Fill - 9.682 m2

Ch:620+920
GL:143.433
DL:144.157

GL: 142.357
DL: 144.591

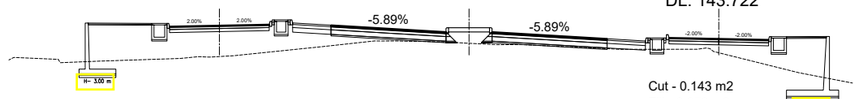


GL: 143.201
DL: 143.700

Cut - 0.105 m2
Fill - 8.073 m2

Ch:620+930
GL:143.424
DL:144.163

GL: 142.560
DL: 144.586

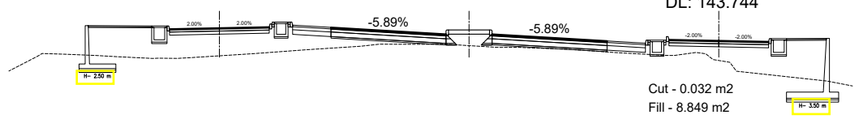


GL: 142.806
DL: 143.722

Cut - 0.143 m2
Fill - 8.079 m2

Ch:620+940
GL:143.421
DL:144.168

GL: 142.757
DL: 144.569

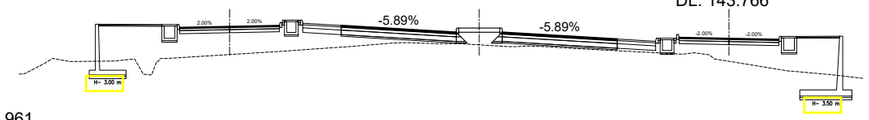


GL: 142.453
DL: 143.744

Cut - 0.032 m2
Fill - 8.849 m2

Ch:620+950
GL:143.352
DL:144.172

GL: 142.719
DL: 144.541

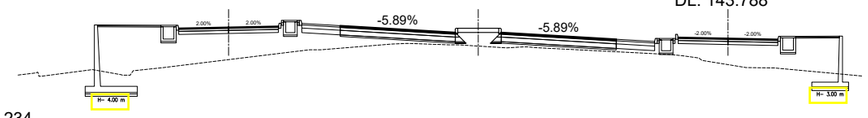


GL: 142.279
DL: 143.766

Fill - 10.206 m2

Ch:620+960
GL:143.288
DL:144.175

GL: 142.405
DL: 144.510

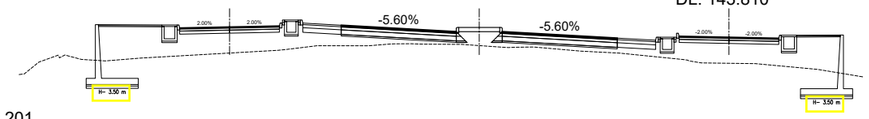


GL: 142.079
DL: 143.788

Fill - 11.633 m2

Ch:620+970
GL:143.270
DL:144.177

GL: 142.784
DL: 144.479

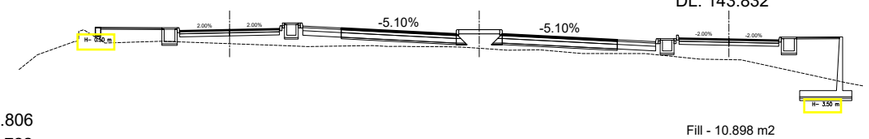


GL: 142.117
DL: 143.810

Fill - 12.735 m2

Ch:620+980
GL:143.244
DL:144.179

GL: 143.541
DL: 144.448

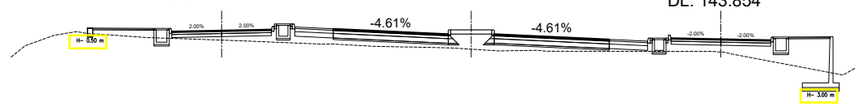


GL: 142.500
DL: 143.832

Fill - 10.898 m2

Ch:620+990
GL:143.197
DL:144.181

GL: 143.787
DL: 144.417



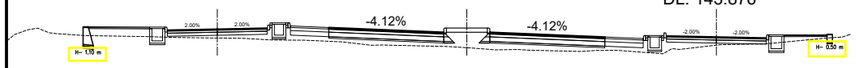
GL: 143.015
DL: 143.854

Fill - 9.047 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:620+850 - 620+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.:** 208

Ch:621+000
GL:143.176
DL:144.183

GL: 143.808
DL: 144.386

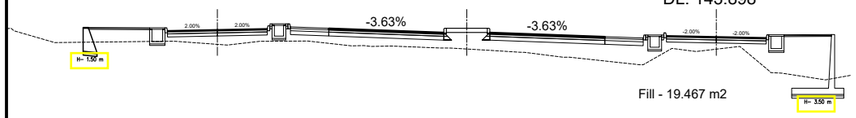


GL: 143.343
DL: 143.876

Fill - 9.949 m2

Ch:621+010
GL:143.106
DL:144.185

GL: 143.410
DL: 144.355

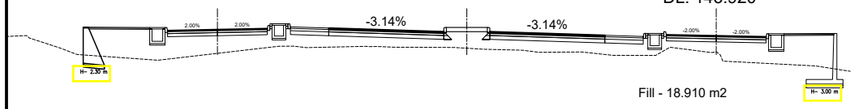


GL: 143.097
DL: 143.898

Fill - 19.467 m2

Ch:621+020
GL:143.108
DL:144.186

GL: 142.774
DL: 144.323

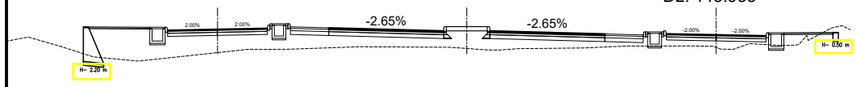


GL: 142.863
DL: 143.920

Fill - 18.910 m2

Ch:621+030
GL:143.040
DL:144.188

GL: 142.771
DL: 144.292

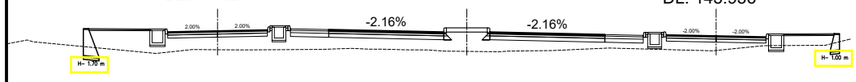


GL: 143.110
DL: 143.933

Fill - 17.202 m2

Ch:621+040
GL:142.932
DL:144.190

GL: 143.040
DL: 144.260

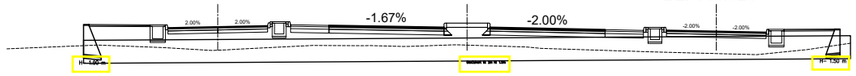


GL: 142.993
DL: 143.936

Fill - 18.483 m2

Ch:621+050
GL:143.034
DL:144.192

GL: 142.701
DL: 144.221

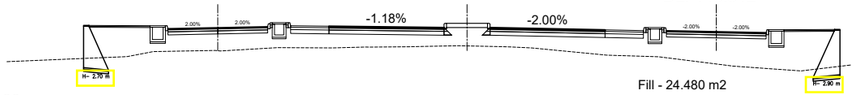


GL: 142.482
DL: 143.929

Fill - 22.062 m2

Ch:621+060
GL:142.991
DL:144.188

GL: 142.678
DL: 144.171

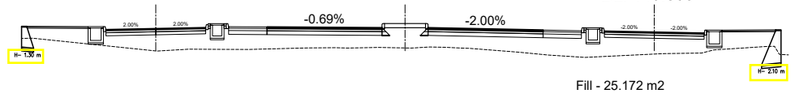


GL: 141.813
DL: 143.912

Fill - 24.480 m2

Ch:621+070
GL:142.858
DL:144.173

GL: 142.662
DL: 144.113

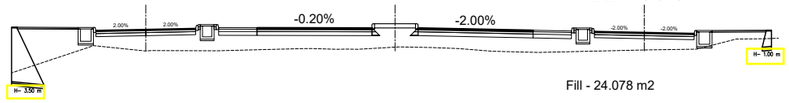


GL: 142.459
DL: 143.885

Fill - 25.172 m2

Ch:621+080
GL:142.898
DL:144.147

GL: 142.651
DL: 144.045

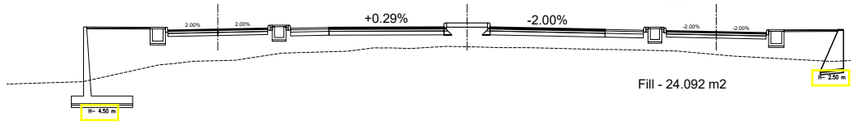


GL: 142.713
DL: 143.848

Fill - 24.078 m2

Ch:621+090
GL:142.834
DL:144.111

GL: 141.926
DL: 143.968

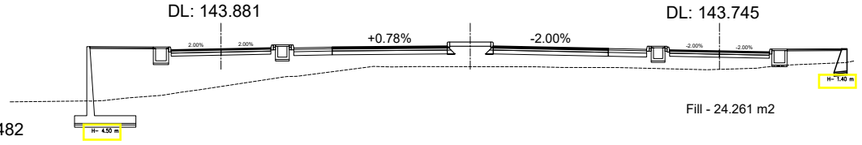


GL: 142.325
DL: 143.801

Fill - 24.092 m2

Ch:621+100
GL:142.733
DL:144.063

GL: 141.441
DL: 143.881

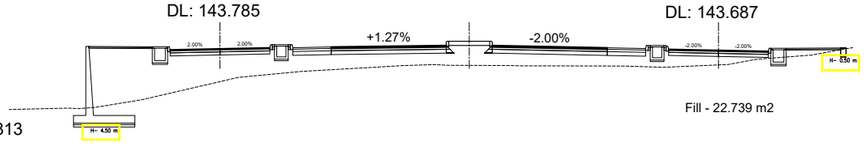


GL: 142.558
DL: 143.745

Fill - 24.261 m2

Ch:621+110
GL:142.706
DL:144.004

GL: 141.648
DL: 143.785

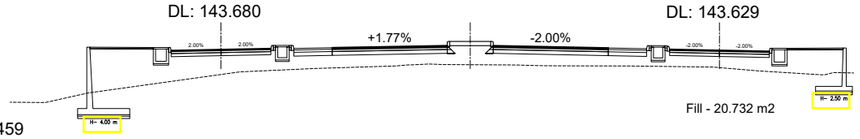


GL: 142.736
DL: 143.687

Fill - 22.739 m2

Ch:621+120
GL:142.692
DL:143.934

GL: 142.055
DL: 143.680

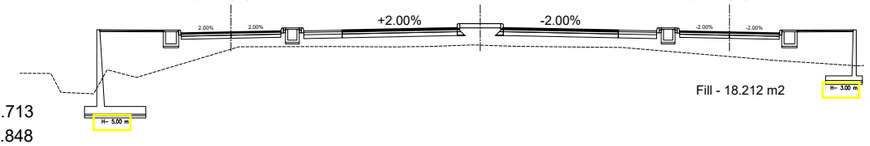


GL: 142.503
DL: 143.629

Fill - 20.732 m2

Ch:621+130
GL:142.726
DL:143.853

GL: 142.463
DL: 143.574

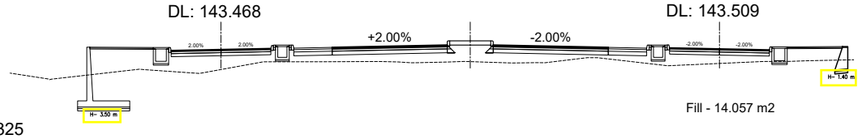


GL: 141.984
DL: 143.571

Fill - 18.212 m2

Ch:621+140
GL:142.683
DL:143.761

GL: 142.168
DL: 143.468



GL: 142.564
DL: 143.509

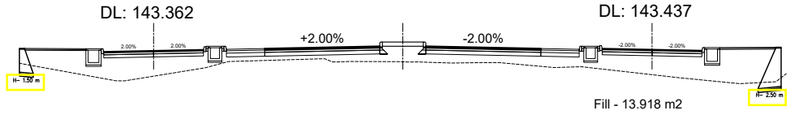
Fill - 14.057 m2

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:621+000 - 621+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.:** 209

Ch:621+150
GL:142.644
DL:143.658

GL: 141.708
DL: 143.362

GL: 141.805
DL: 143.437

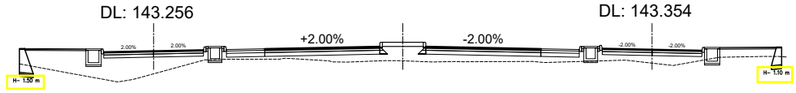


Fill - 13.918 m2

Ch:621+160
GL:142.612
DL:143.549

GL: 141.765
DL: 143.256

GL: 142.462
DL: 143.354

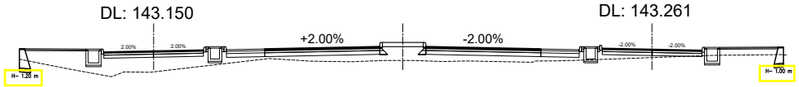


Fill - 10.642 m2

Ch:621+170
GL:142.541
DL:143.440

GL: 141.797
DL: 143.150

GL: 142.730
DL: 143.261

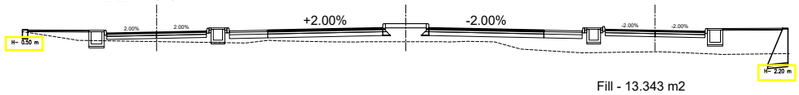


Fill - 10.625 m2

Ch:621+180
GL:142.429
DL:143.332

GL: 142.438
DL: 143.044

GL: 141.775
DL: 143.156

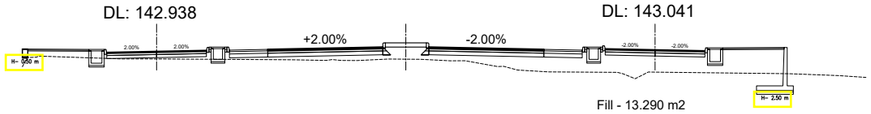


Fill - 13.343 m2

Ch:621+190
GL:142.435
DL:143.223

GL: 142.449
DL: 142.938

GL: 141.591
DL: 143.041

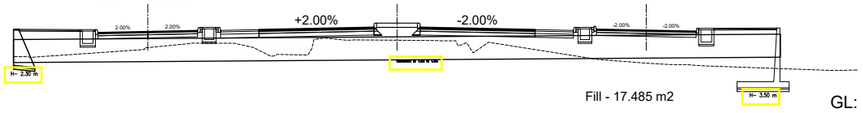


Fill - 13.290 m2

Ch:621+200
GL:142.274
DL:143.114

GL: 141.794
DL: 142.832

GL: 140.780
DL: 142.918

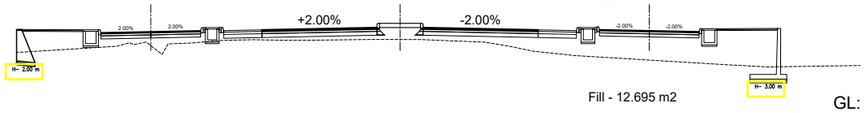


Fill - 17.485 m2

Ch:621+210
GL:142.226
DL:143.006

GL: 141.825
DL: 142.725

GL: 140.886
DL: 142.794

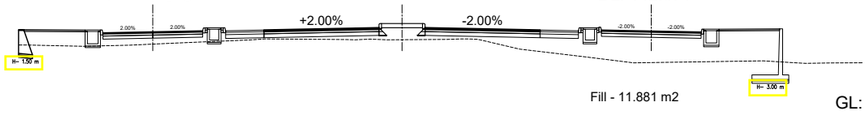


Fill - 12.695 m2

Ch:621+220
GL:142.118
DL:142.897

GL: 141.831
DL: 142.619

GL: 140.628
DL: 142.671

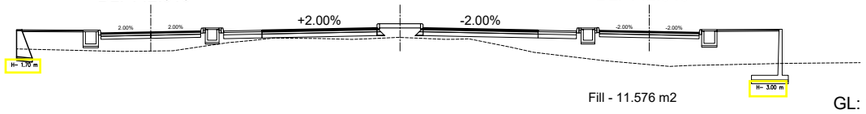


Fill - 11.881 m2

Ch:621+230
GL:142.170
DL:142.788

GL: 141.284
DL: 142.513

GL: 140.399
DL: 142.548

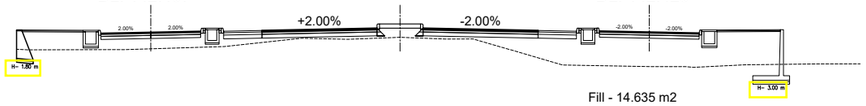


Fill - 11.576 m2

Ch:621+240
GL:142.084
DL:142.680

GL: 141.334
DL: 142.407

GL: 140.176
DL: 142.425

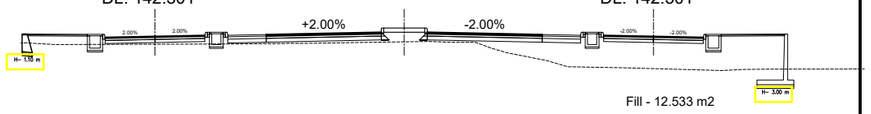


Fill - 14.635 m2

Ch:621+250
GL:141.947
DL:142.571

GL: 141.792
DL: 142.301

GL: 140.202
DL: 142.301

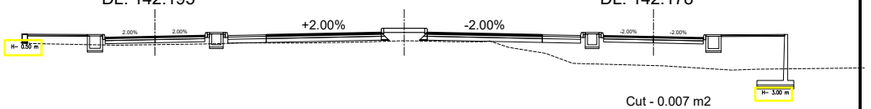


Fill - 12.533 m2

Ch:621+260
GL:141.923
DL:142.463

GL: 141.668
DL: 142.195

GL: 140.305
DL: 142.178

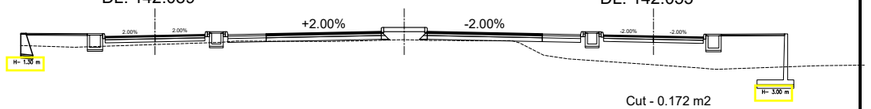


Cut - 0.007 m2
Fill - 8.798 m2

Ch:621+270
GL:141.833
DL:142.354

GL: 141.515
DL: 142.089

GL: 140.197
DL: 142.055

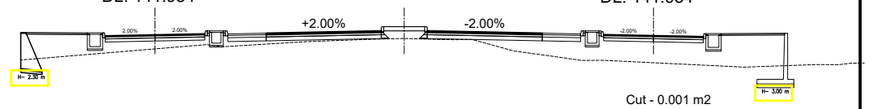


Cut - 0.172 m2
Fill - 7.420 m2

Ch:621+280
GL:141.749
DL:142.245

GL: 141.072
DL: 141.984

GL: 140.168
DL: 141.934

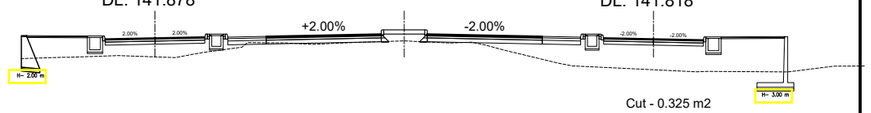


Cut - 0.001 m2
Fill - 10.368 m2

Ch:621+290
GL:141.693
DL:142.137

GL: 140.652
DL: 141.878

GL: 139.812
DL: 141.818



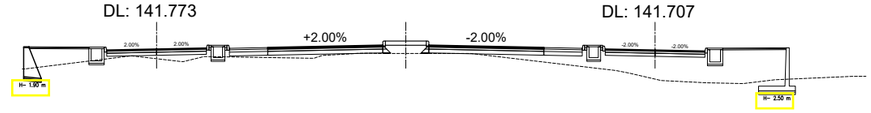
Cut - 0.325 m2
Fill - 9.845 m2

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:621+150 - 621+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.:** 210

Ch:621+300
GL:141.493
DL:142.028

GL: 141.150
DL: 141.773

GL: 139.822
DL: 141.707

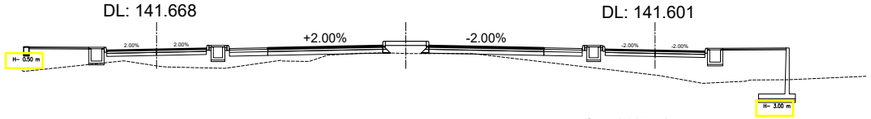


Cut - 0.014 m2
Fill - 6.681 m2

Ch:621+310
GL:141.397
DL:141.919

GL: 140.589
DL: 141.668

GL: 139.991
DL: 141.601

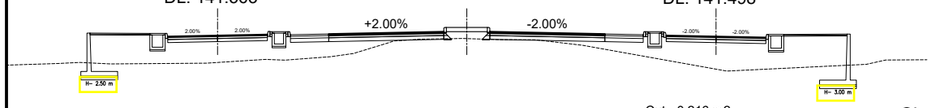


Cut - 0.067 m2
Fill - 9.002 m2

Ch:621+320
GL:141.359
DL:141.811

GL: 139.804
DL: 141.563

GL: 139.368
DL: 141.498

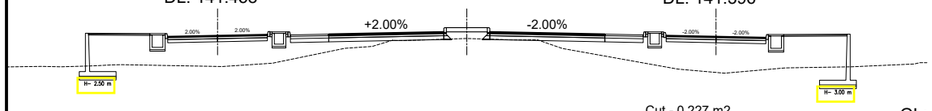


Cut - 0.216 m2
Fill - 12.438 m2

Ch:621+330
GL:141.270
DL:141.702

GL: 139.449
DL: 141.458

GL: 139.059
DL: 141.396

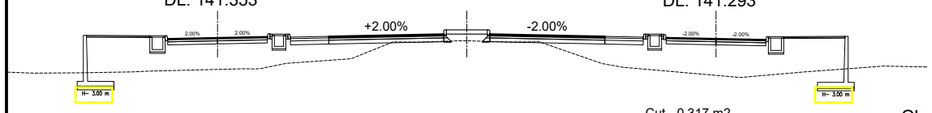


Cut - 0.227 m2
Fill - 14.045 m2

Ch:621+340
GL:141.157
DL:141.593

GL: 139.291
DL: 141.353

GL: 138.903
DL: 141.293

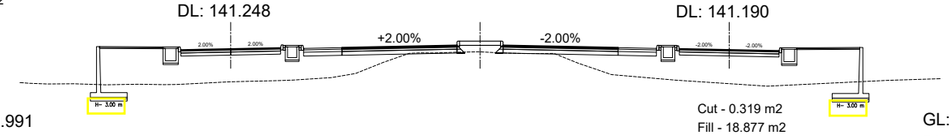


Cut - 0.317 m2
Fill - 17.544 m2

Ch:621+350
GL:141.061
DL:141.485

GL: 139.110
DL: 141.248

GL: 138.987
DL: 141.190

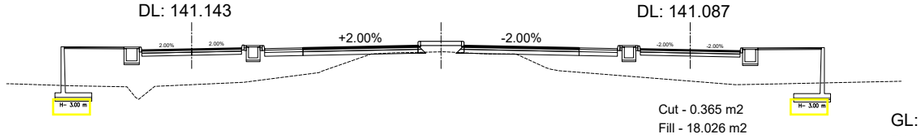


Cut - 0.319 m2
Fill - 18.877 m2

Ch:621+360
GL:140.966
DL:141.376

GL: 138.826
DL: 141.143

GL: 139.059
DL: 141.087

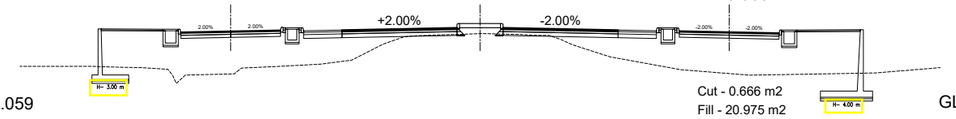


Cut - 0.365 m2
Fill - 18.026 m2

Ch:621+370
GL:140.885
DL:141.268

GL: 138.255
DL: 141.038

GL: 138.283
DL: 140.985

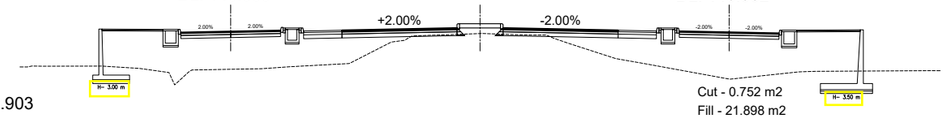


Cut - 0.666 m2
Fill - 20.975 m2

Ch:621+380
GL:140.795
DL:141.159

GL: 138.466
DL: 140.933

GL: 137.829
DL: 140.882

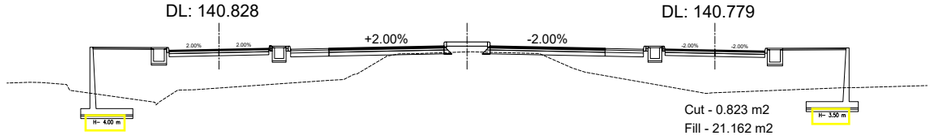


Cut - 0.752 m2
Fill - 21.898 m2

Ch:621+390
GL:140.679
DL:141.050

GL: 138.323
DL: 140.828

GL: 138.016
DL: 140.779

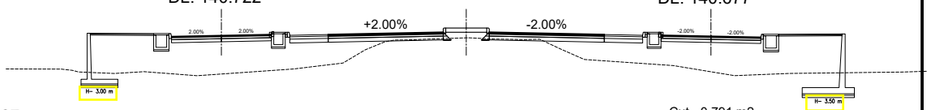


Cut - 0.823 m2
Fill - 21.162 m2

Ch:621+400
GL:140.580
DL:140.942

GL: 138.220
DL: 140.722

GL: 138.366
DL: 140.677

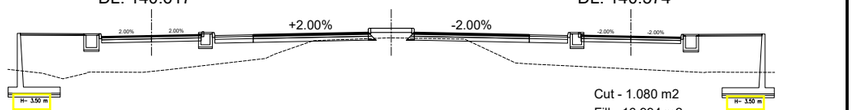


Cut - 0.791 m2
Fill - 19.259 m2

Ch:621+410
GL:140.482
DL:140.833

GL: 138.294
DL: 140.617

GL: 138.456
DL: 140.574

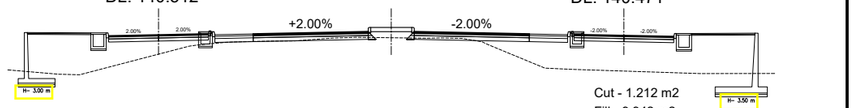


Cut - 1.080 m2
Fill - 16.994 m2

Ch:621+420
GL:140.329
DL:140.724

GL: 139.259
DL: 140.512

GL: 138.157
DL: 140.471

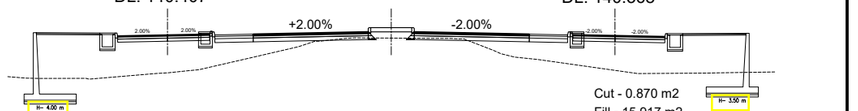


Cut - 1.212 m2
Fill - 9.942 m2

Ch:621+430
GL:140.211
DL:140.616

GL: 137.947
DL: 140.407

GL: 138.107
DL: 140.368

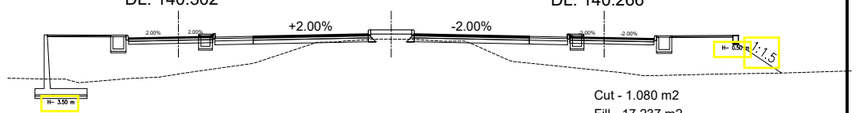


Cut - 0.870 m2
Fill - 15.917 m2

Ch:621+440
GL:140.177
DL:140.507

GL: 137.902
DL: 140.302

GL: 138.112
DL: 140.266



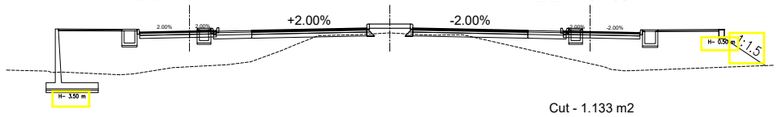
Cut - 1.080 m2
Fill - 17.237 m2

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:621+300 - 621+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.:** 211

Ch:621+450
GL:140.096
DL:140.399

GL: 137.891
DL: 140.197

GL: 138.094
DL: 140.163

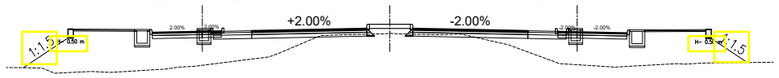


Cut - 1.133 m2
Fill - 15.878 m2

Ch:621+460
GL:139.964
DL:140.290

GL: 137.889
DL: 140.092

GL: 137.926
DL: 140.060

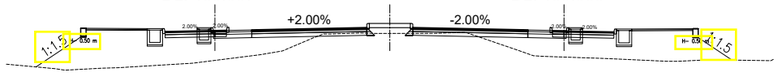


Cut - 1.340 m2
Fill - 16.666 m2

Ch:621+470
GL:139.807
DL:140.181

GL: 138.048
DL: 139.987

GL: 138.265
DL: 139.958



Cut - 1.553 m2
Fill - 15.460 m2

Ch:621+480
GL:139.800
DL:140.073

GL: 138.192
DL: 139.882

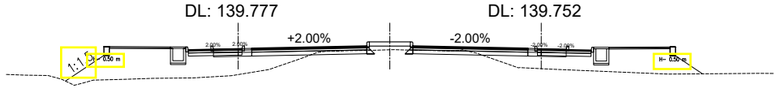
GL: 138.413
DL: 139.855

Cut - 2.156 m2
Fill - 13.405 m2

Ch:621+490
GL:139.723
DL:139.964

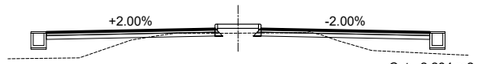
GL: 138.106
DL: 139.777

GL: 138.491
DL: 139.752



Cut - 2.457 m2
Fill - 11.248 m2

Ch:621+500
GL:139.542
DL:139.856

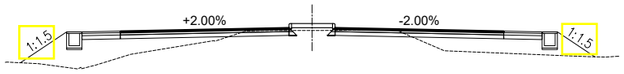


Cut - 2.284 m2
Fill - 12.361 m2

Ch:621+510
GL:139.565
DL:139.764

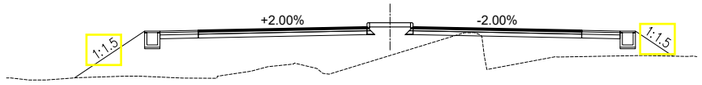
Cut - 3.076 m2
Fill - 17.615 m2

Ch:621+520
GL:139.515
DL:139.692



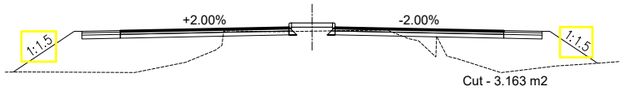
Cut - 3.917 m2
Fill - 23.871 m2

Ch:621+530
GL:137.780
DL:139.641



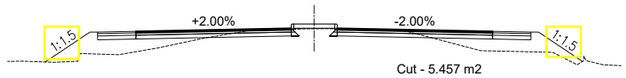
Cut - 0.243 m2
Fill - 61.871 m2

Ch:621+540
GL:139.349
DL:139.611



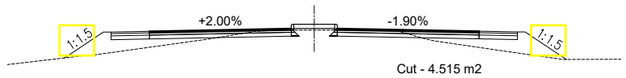
Cut - 3.163 m2
Fill - 43.364 m2

Ch:621+550
GL:139.565
DL:139.601



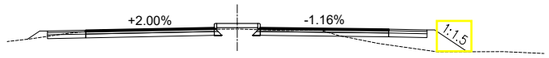
Cut - 5.457 m2
Fill - 15.800 m2

Ch:621+560
GL:139.502
DL:139.612



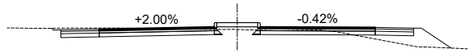
Cut - 4.515 m2
Fill - 13.037 m2

Ch:621+570
GL:139.548
DL:139.643



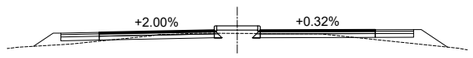
Cut - 7.365 m2
Fill - 7.079 m2

Ch:621+580
GL:139.520
DL:139.689



Cut - 7.468 m2
Fill - 5.104 m2

Ch:621+590
GL:139.519
DL:139.735



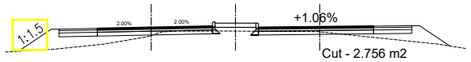
Cut - 3.581 m2
Fill - 5.382 m2

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:621+450 - 621+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.:** 212

Ch:621+600
GL:139.536
DL:139.781

GL: 139.251
DL: 139.781

GL: 139.489
DL: 139.781



Cut - 2.756 m2
Fill - 8.929 m2

Ch:621+610
GL:139.540
DL:139.827

GL: 139.316
DL: 139.900

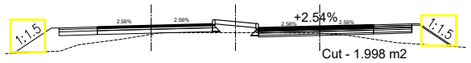
GL: 139.491
DL: 139.827

Cut - 2.254 m2
Fill - 13.532 m2

Ch:621+620
GL:139.555
DL:139.873

GL: 139.441
DL: 140.020

GL: 139.514
DL: 139.873

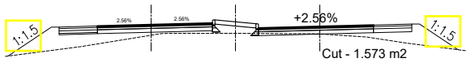


Cut - 1.998 m2
Fill - 9.701 m2

Ch:621+630
GL:139.571
DL:139.919

GL: 139.445
DL: 140.139

GL: 139.529
DL: 139.919

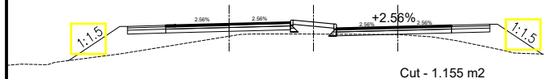


Cut - 1.573 m2
Fill - 9.951 m2

Ch:621+640
GL:139.579
DL:139.965

GL: 139.439
DL: 140.258

GL: 139.548
DL: 139.966

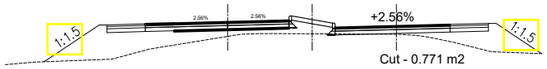


Cut - 1.155 m2
Fill - 12.880 m2

Ch:621+650
GL:139.591
DL:140.011

GL: 139.422
DL: 140.377

GL: 139.560
DL: 140.012

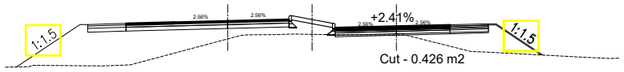


Cut - 0.771 m2
Fill - 17.024 m2

Ch:621+660
GL:139.610
DL:140.058

GL: 139.318
DL: 140.497

GL: 139.572
DL: 140.058

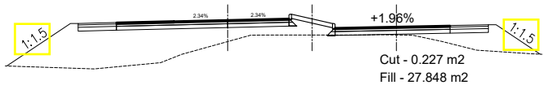


Cut - 0.426 m2
Fill - 25.479 m2

Ch:621+670
GL:139.630
DL:140.104

GL: 139.203
DL: 140.616

GL: 139.635
DL: 140.104

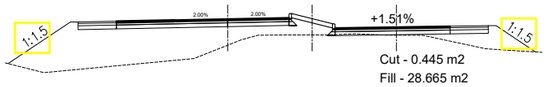


Cut - 0.227 m2
Fill - 27.848 m2

Ch:621+680
GL:139.695
DL:140.150

GL: 139.026
DL: 140.735

GL: 139.677
DL: 140.150

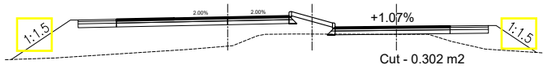


Cut - 0.445 m2
Fill - 28.665 m2

Ch:621+690
GL:139.746
DL:140.196

GL: 138.960
DL: 140.854

GL: 139.725
DL: 140.196

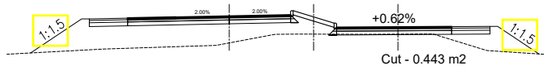


Cut - 0.302 m2
Fill - 21.123 m2

Ch:621+700
GL:139.798
DL:140.242

GL: 139.227
DL: 140.974

GL: 139.798
DL: 140.243

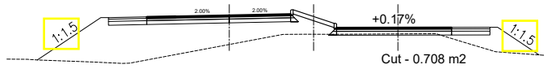


Cut - 0.443 m2
Fill - 16.577 m2

Ch:621+710
GL:139.851
DL:140.288

GL: 139.184
DL: 141.093

GL: 139.871
DL: 140.289

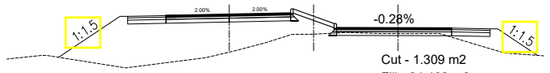


Cut - 0.708 m2
Fill - 22.239 m2

Ch:621+720
GL:139.916
DL:140.334

GL: 138.746
DL: 141.209

GL: 139.952
DL: 140.335

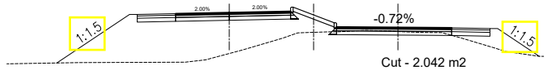


Cut - 1.309 m2
Fill - 24.482 m2

Ch:621+730
GL:140.030
DL:140.380

GL: 138.650
DL: 141.316

GL: 140.084
DL: 140.381

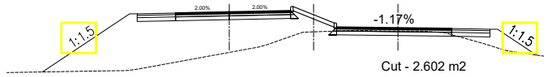


Cut - 2.042 m2
Fill - 23.923 m2

Ch:621+740
GL:140.122
DL:140.426

GL: 138.781
DL: 141.415

GL: 140.174
DL: 140.427



Cut - 2.602 m2
Fill - 26.418 m2

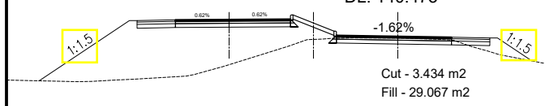
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:621+600 - 621+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.:** 213

Ch:621+750

GL:140.207
DL:140.472

GL: 138.559
DL: 141.505

GL: 140.293
DL: 140.473



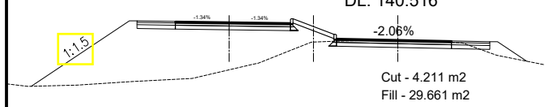
Cut - 3.434 m2
Fill - 29.067 m2

Ch:621+760

GL:140.290
DL:140.518

GL: 138.479
DL: 141.587

GL: 140.382
DL: 140.516



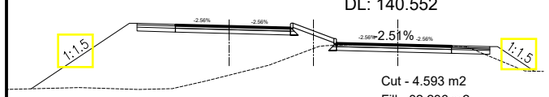
Cut - 4.211 m2
Fill - 29.661 m2

Ch:621+770

GL:140.181
DL:140.556

GL: 138.443
DL: 141.660

GL: 140.454
DL: 140.552



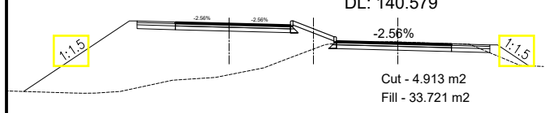
Cut - 4.593 m2
Fill - 32.236 m2

Ch:621+780

GL:140.059
DL:140.585

GL: 138.384
DL: 141.725

GL: 140.523
DL: 140.579



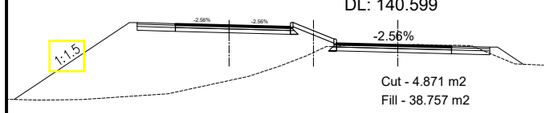
Cut - 4.913 m2
Fill - 33.721 m2

Ch:621+790

GL:139.993
DL:140.604

GL: 138.166
DL: 141.781

GL: 140.482
DL: 140.599



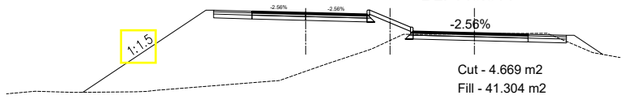
Cut - 4.871 m2
Fill - 38.757 m2

Ch:621+800

GL:140.019
DL:140.614

GL: 138.011
DL: 141.829

GL: 140.452
DL: 140.611



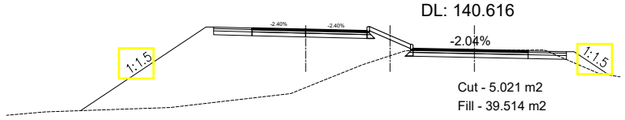
Cut - 4.669 m2
Fill - 41.304 m2

Ch:621+810

GL:140.144
DL:140.616

GL: 138.075
DL: 141.868

GL: 140.545
DL: 140.616



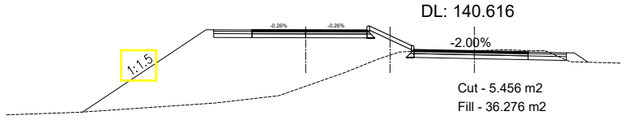
Cut - 5.021 m2
Fill - 39.514 m2

Ch:621+820

GL:140.266
DL:140.616

GL: 138.237
DL: 141.899

GL: 140.549
DL: 140.616



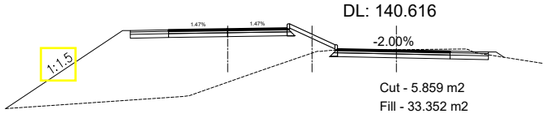
Cut - 5.456 m2
Fill - 36.276 m2

Ch:621+830

GL:140.348
DL:140.616

GL: 138.449
DL: 141.921

GL: 140.568
DL: 140.616



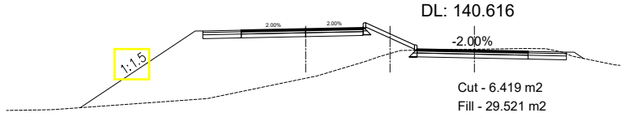
Cut - 5.859 m2
Fill - 33.352 m2

Ch:621+840

GL:140.332
DL:140.616

GL: 138.720
DL: 141.935

GL: 140.612
DL: 140.616



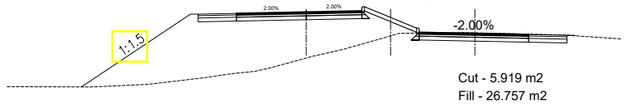
Cut - 6.419 m2
Fill - 29.521 m2

Ch:621+850

GL:140.387
DL:140.616

GL: 138.938
DL: 141.940

GL: 140.587
DL: 140.616



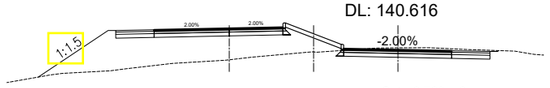
Cut - 5.919 m2
Fill - 26.757 m2

Ch:621+860

GL:140.399
DL:140.616

GL: 139.884
DL: 141.940

GL: 140.665
DL: 140.616



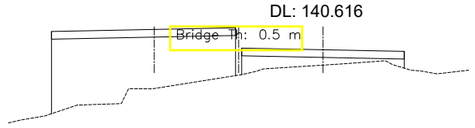
Cut - 6.769 m2
Fill - 7.321 m2

Ch:621+870

GL:138.962
DL:140.616

GL: 138.090
DL: 141.940

GL: 139.614
DL: 140.616

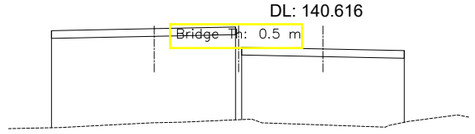


Ch:621+880

GL:136.005
DL:140.616

GL: 135.806
DL: 141.940

GL: 135.663
DL: 140.616

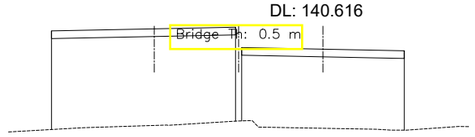


Ch:621+890

GL:135.936
DL:140.616

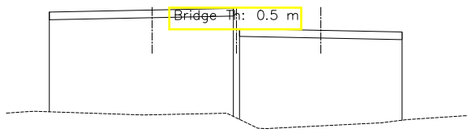
GL: 135.645
DL: 141.940

GL: 135.460
DL: 140.616

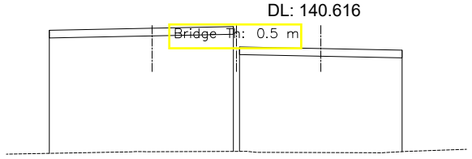


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:621+750 - 621+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.:** 214

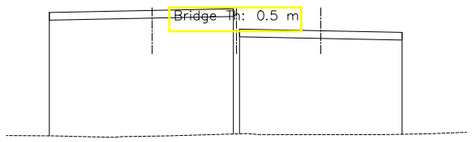
Ch:621+900
GL:134.909
DL:140.616
GL: 135.114
DL: 141.940
GL: 134.391
DL: 140.616



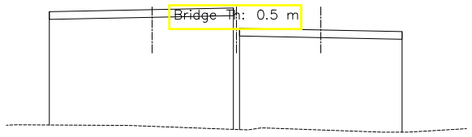
Ch:621+910
GL:133.913
DL:140.616
GL: 133.893
DL: 141.940
GL: 133.839
DL: 140.616



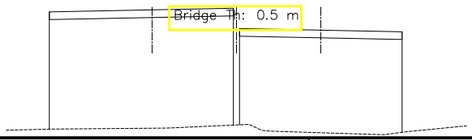
Ch:621+920
GL:133.894
DL:140.616
GL: 133.748
DL: 141.940
GL: 133.848
DL: 140.616



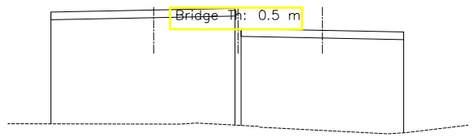
Ch:621+930
GL:134.129
DL:140.616
GL: 134.336
DL: 141.940
GL: 134.099
DL: 140.616



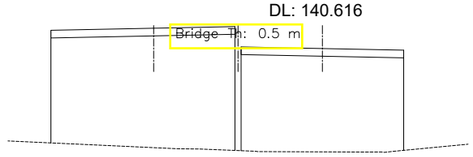
Ch:621+940
GL:134.439
DL:140.616
GL: 134.226
DL: 141.940
GL: 133.931
DL: 140.616



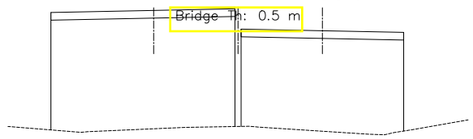
Ch:621+950
GL:134.429
DL:140.616
GL: 134.507
DL: 141.940
GL: 134.093
DL: 140.616



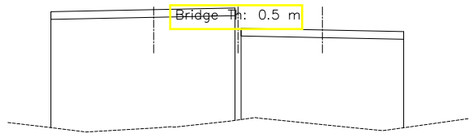
Ch:621+960
GL:133.968
DL:140.616
GL: 134.158
DL: 141.940
GL: 133.883
DL: 140.616



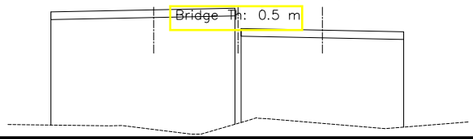
Ch:621+970
GL:134.379
DL:140.616
GL: 134.228
DL: 141.940
GL: 134.068
DL: 140.616



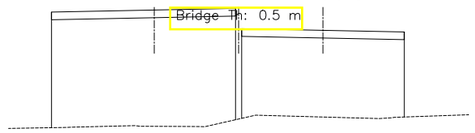
Ch:621+980
GL:134.750
DL:140.616
GL: 134.225
DL: 141.940
GL: 134.448
DL: 140.616



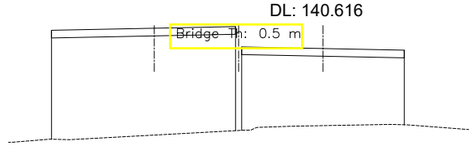
Ch:621+990
GL:134.542
DL:140.616
GL: 134.145
DL: 141.940
GL: 134.543
DL: 140.616



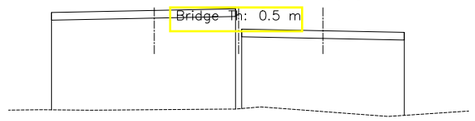
Ch:622+000
GL:134.836
DL:140.616
GL: 134.360
DL: 141.940
GL: 134.967
DL: 140.616



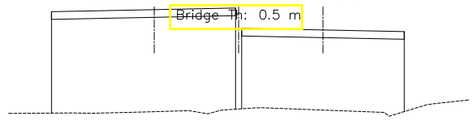
Ch:622+010
GL:135.276
DL:140.616
GL: 134.977
DL: 141.940
GL: 135.592
DL: 140.616



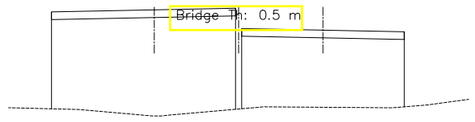
Ch:622+020
GL:135.531
DL:140.616
GL: 135.471
DL: 141.940
GL: 135.350
DL: 140.616



Ch:622+030
GL:135.467
DL:140.616
GL: 135.289
DL: 141.940
GL: 135.395
DL: 140.616



Ch:622+040
GL:135.477
DL:140.616
GL: 135.026
DL: 141.940
GL: 135.591
DL: 140.616



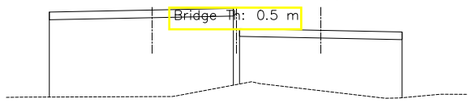
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:621+900 - 622+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.:** 215

Ch:622+050

GL:137.082
DL:140.616

GL: 136.297
DL: 141.940

GL: 136.680
DL: 140.616

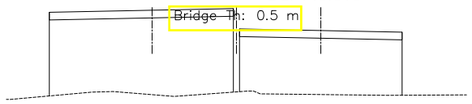


Ch:622+060

GL:136.618
DL:140.616

GL: 136.438
DL: 141.940

GL: 136.445
DL: 140.616

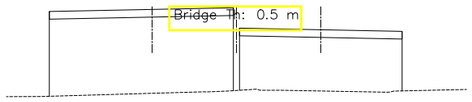


Ch:622+070

GL:136.659
DL:140.616

GL: 136.475
DL: 141.940

GL: 136.625
DL: 140.616

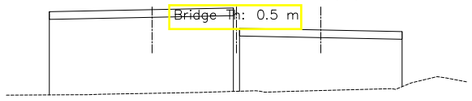


Ch:622+080

GL:136.618
DL:140.616

GL: 136.487
DL: 141.940

GL: 136.669
DL: 140.616

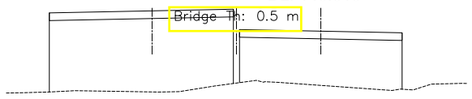


Ch:622+090

GL:137.235
DL:140.616

GL: 136.656
DL: 141.940

GL: 137.082
DL: 140.616

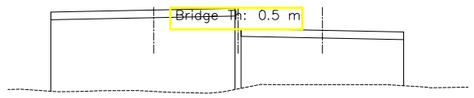


Ch:622+100

GL:136.801
DL:140.616

GL: 136.634
DL: 141.940

GL: 137.079
DL: 140.616

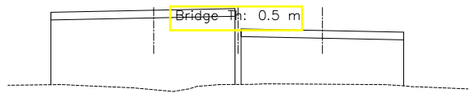


Ch:622+110

GL:137.103
DL:140.616

GL: 136.760
DL: 141.940

GL: 137.119
DL: 140.616

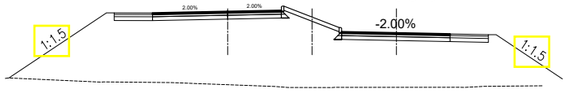


Ch:622+120

GL:136.983
DL:140.616

GL: 137.165
DL: 141.940

GL: 136.994
DL: 140.616



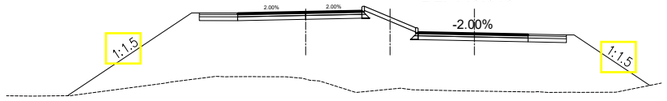
Fill - 82.368 m2

Ch:622+130

GL:136.887
DL:140.616

GL: 137.543
DL: 141.940

GL: 136.765
DL: 140.616



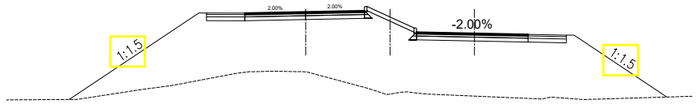
Fill - 82.402 m2

Ch:622+140

GL:136.583
DL:140.616

GL: 138.025
DL: 141.939

GL: 136.449
DL: 140.616



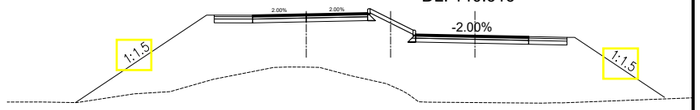
Fill - 82.669 m2

Ch:622+150

GL:137.280
DL:140.616

GL: 138.480
DL: 141.931

GL: 136.170
DL: 140.616



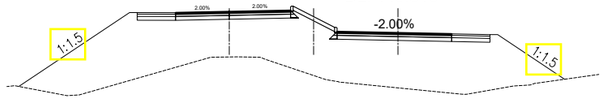
Fill - 79.178 m2

Ch:622+160

GL:137.752
DL:140.616

GL: 138.960
DL: 141.917

GL: 136.945
DL: 140.616



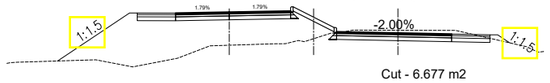
Fill - 67.359 m2

Ch:622+170

GL:140.163
DL:140.616

GL: 139.738
DL: 141.896

GL: 140.713
DL: 140.617



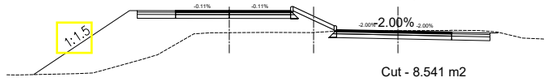
Cut - 6.677 m2
Fill - 13.282 m2

Ch:622+180

GL:140.451
DL:140.616

GL: 140.440
DL: 141.868

GL: 140.568
DL: 140.617



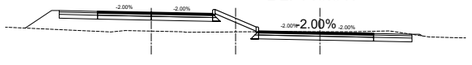
Cut - 8.541 m2
Fill - 11.571 m2

Ch:622+190

GL:140.572
DL:140.616

GL: 140.620
DL: 141.834

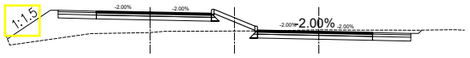
GL: 140.578
DL: 140.617



Cut - 11.097 m2
Fill - 2.016 m2

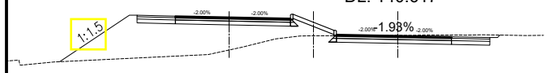
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:622+050 - 622+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.:** 216

Ch:622+200
GL:140.570
DL:140.616
GL: 140.471
DL: 141.793
GL: 140.648
DL: 140.617



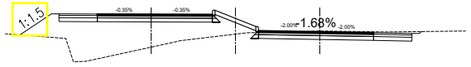
Cut - 9.936 m2
Fill - 3.067 m2

Ch:622+210
GL:140.533
DL:140.616
GL: 139.608
DL: 141.745
GL: 140.559
DL: 140.617



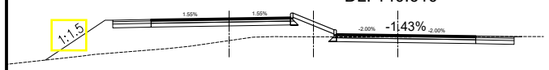
Cut - 7.145 m2
Fill - 11.938 m2

Ch:622+220
GL:140.394
DL:140.616
GL: 139.547
DL: 141.691
GL: 140.595
DL: 140.616



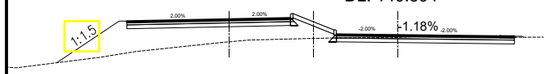
Cut - 6.174 m2
Fill - 10.137 m2

Ch:622+230
GL:140.429
DL:140.613
GL: 140.180
DL: 141.638
GL: 140.410
DL: 140.610



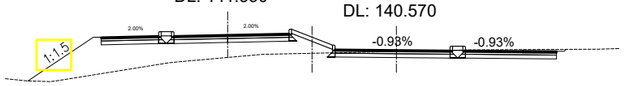
Cut - 6.637 m2
Fill - 8.430 m2

Ch:622+240
GL:140.323
DL:140.599
GL: 140.099
DL: 141.584
GL: 140.386
DL: 140.594



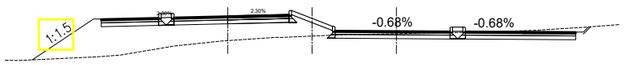
Cut - 5.384 m2
Fill - 7.669 m2

Ch:622+250
GL:140.317
DL:140.573
GL: 140.044
DL: 141.530
GL: 140.428
DL: 140.570



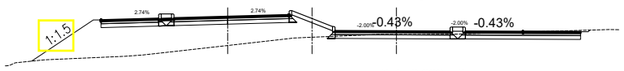
Cut - 8.277 m2
Fill - 11.504 m2

Ch:622+260
GL:140.176
DL:140.536
GL: 139.879
DL: 141.476
GL: 140.332
DL: 140.536



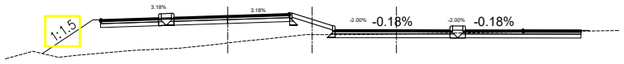
Cut - 7.922 m2
Fill - 12.593 m2

Ch:622+270
GL:140.069
DL:140.491
GL: 139.530
DL: 141.422
GL: 140.247
DL: 140.494



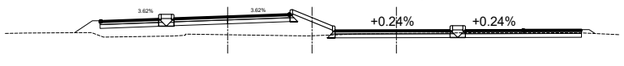
Cut - 6.302 m2
Fill - 15.283 m2

Ch:622+280
GL:140.142
DL:140.446
GL: 139.597
DL: 141.368
GL: 140.182
DL: 140.448



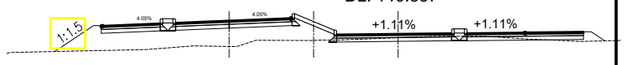
Cut - 5.942 m2
Fill - 12.652 m2

Ch:622+290
GL:140.037
DL:140.401
GL: 140.102
DL: 141.314
GL: 140.189
DL: 140.402



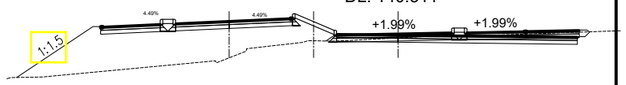
Cut - 7.349 m2
Fill - 3.060 m2

Ch:622+300
GL:139.960
DL:140.355
GL: 139.565
DL: 141.260
GL: 140.133
DL: 140.357



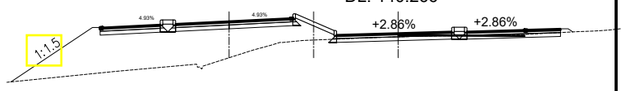
Cut - 4.684 m2
Fill - 8.214 m2

Ch:622+310
GL:139.906
DL:140.310
GL: 138.793
DL: 141.206
GL: 140.091
DL: 140.311



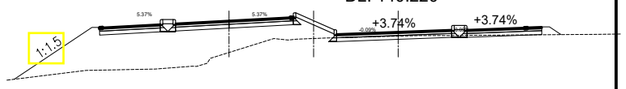
Cut - 5.912 m2
Fill - 23.119 m2

Ch:622+320
GL:139.920
DL:140.265
GL: 138.766
DL: 141.153
GL: 140.125
DL: 140.266



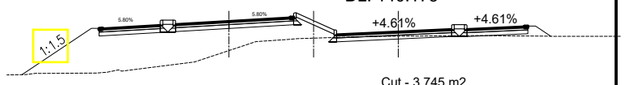
Cut - 5.490 m2
Fill - 23.357 m2

Ch:622+330
GL:139.924
DL:140.219
GL: 139.011
DL: 141.099
GL: 140.077
DL: 140.220



Cut - 4.347 m2
Fill - 21.148 m2

Ch:622+340
GL:139.915
DL:140.174
GL: 139.105
DL: 141.045
GL: 140.041
DL: 140.175



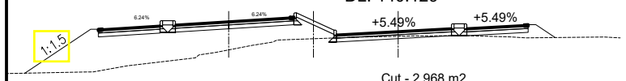
Cut - 3.745 m2
Fill - 19.257 m2

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:622+200 - 622+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.:** 217

Ch:622+350
GL:139.843
DL:140.129

GL: 139.115
DL: 140.991

GL: 140.004
DL: 140.129

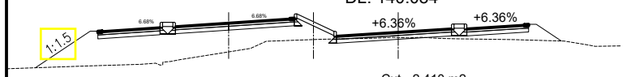


Cut - 2.968 m2
Fill - 16.510 m2

Ch:622+360
GL:139.822
DL:140.083

GL: 139.018
DL: 140.937

GL: 139.954
DL: 140.084

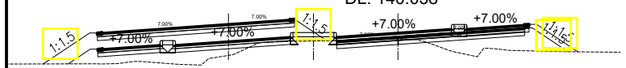


Cut - 2.410 m2
Fill - 14.381 m2

Ch:622+370
GL:139.763
DL:140.038

GL: 138.822
DL: 140.883

GL: 139.899
DL: 140.038

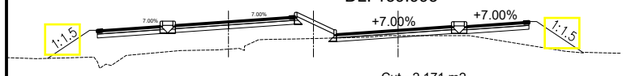


Cut - 2.193 m2
Fill - 19.410 m2

Ch:622+380
GL:139.695
DL:139.993

GL: 139.004
DL: 140.829

GL: 139.882
DL: 139.993

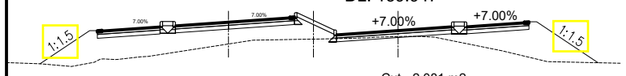


Cut - 2.171 m2
Fill - 12.032 m2

Ch:622+390
GL:139.625
DL:139.948

GL: 139.308
DL: 140.775

GL: 139.789
DL: 139.947

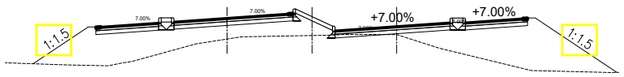


Cut - 2.081 m2
Fill - 18.240 m2

Ch:622+400
GL:139.565
DL:139.902

GL: 139.333
DL: 140.721

GL: 139.624
DL: 139.902

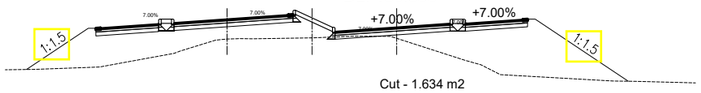


Cut - 2.011 m2
Fill - 33.100 m2

Ch:622+410
GL:139.446
DL:139.857

GL: 139.370
DL: 140.668

GL: 139.414
DL: 139.856

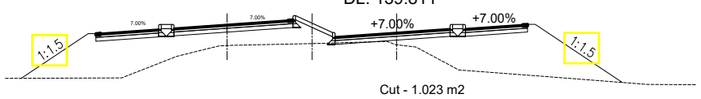


Cut - 1.634 m2
Fill - 38.720 m2

Ch:622+420
GL:139.367
DL:139.812

GL: 139.238
DL: 140.614

GL: 139.288
DL: 139.811

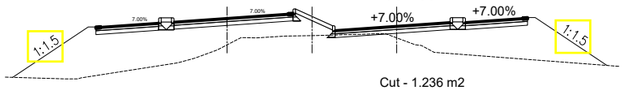


Cut - 1.023 m2
Fill - 39.005 m2

Ch:622+430
GL:139.397
DL:139.766

GL: 138.794
DL: 140.560

GL: 139.252
DL: 139.765

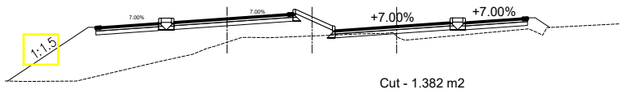


Cut - 1.236 m2
Fill - 38.842 m2

Ch:622+440
GL:139.344
DL:139.721

GL: 138.935
DL: 140.506

GL: 139.335
DL: 139.720

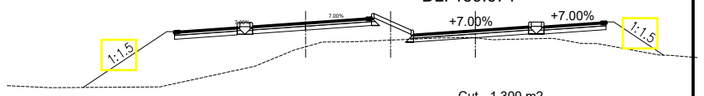


Cut - 1.382 m2
Fill - 20.513 m2

Ch:622+450
GL:139.300
DL:139.676

GL: 138.864
DL: 140.452

GL: 139.444
DL: 139.674

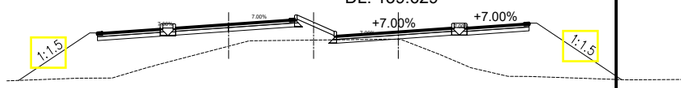


Cut - 1.300 m2
Fill - 25.826 m2

Ch:622+460
GL:139.334
DL:139.631

GL: 138.935
DL: 140.398

GL: 139.380
DL: 139.629

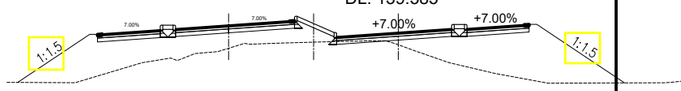


Cut - 2.060 m2
Fill - 39.836 m2

Ch:622+470
GL:139.236
DL:139.587

GL: 138.835
DL: 140.344

GL: 139.068
DL: 139.585

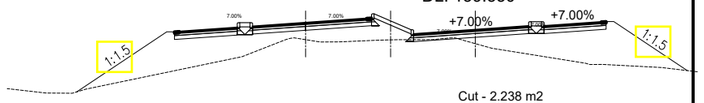


Cut - 1.443 m2
Fill - 40.289 m2

Ch:622+480
GL:139.167
DL:139.552

GL: 139.180
DL: 140.290

GL: 138.921
DL: 139.550

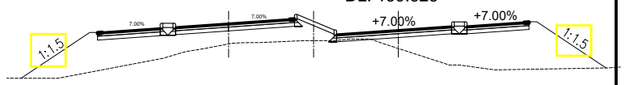


Cut - 2.238 m2
Fill - 31.159 m2

Ch:622+490
GL:139.104
DL:139.526

GL: 138.888
DL: 140.236

GL: 138.593
DL: 139.523



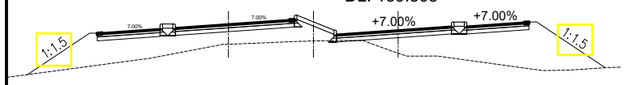
Cut - 0.924 m2
Fill - 36.355 m2

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:622+350 - 622+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.:** 218

Ch:622+500
GL:139.079
DL:139.508

GL: 138.856
DL: 140.183

GL: 138.278
DL: 139.505

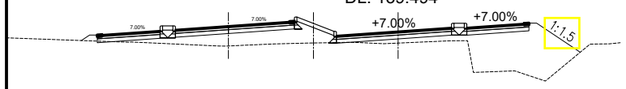


Cut - 0.723 m2
Fill - 32.542 m2

Ch:622+510
GL:139.013
DL:139.497

GL: 138.815
DL: 140.129

GL: 139.006
DL: 139.494

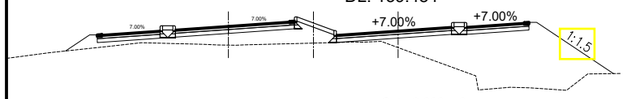


Cut - 5.032 m2
Fill - 22.208 m2

Ch:622+520
GL:138.943
DL:139.487

GL: 138.811
DL: 140.075

GL: 138.651
DL: 139.484

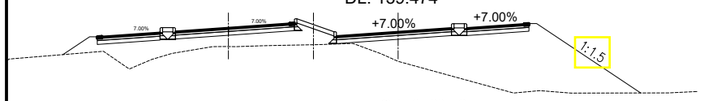


Cut - 3.683 m2
Fill - 38.241 m2

Ch:622+530
GL:138.906
DL:139.477

GL: 138.786
DL: 140.021

GL: 137.822
DL: 139.474

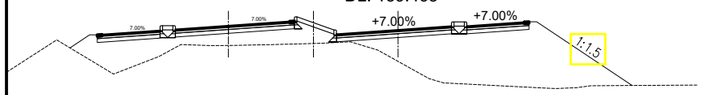


Cut - 0.490 m2
Fill - 49.261 m2

Ch:622+540
GL:138.859
DL:139.466

GL: 138.730
DL: 140.021

GL: 137.692
DL: 139.463

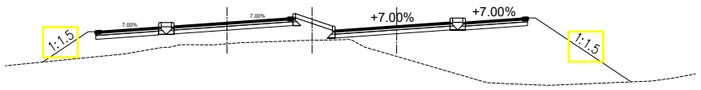


Cut - 0.649 m2
Fill - 52.309 m2

Ch:622+550
GL:138.805
DL:139.456

GL: 138.579
DL: 139.967

GL: 137.758
DL: 139.453

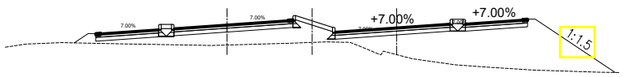


Cut - 0.038 m2
Fill - 49.974 m2

Ch:622+560
GL:138.737
DL:139.446

GL: 138.566
DL: 139.913

GL: 137.940
DL: 139.443

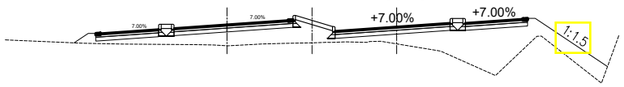


Cut - 1.795 m2
Fill - 36.037 m2

Ch:622+570
GL:138.651
DL:139.436

GL: 138.456
DL: 139.859

GL: 138.580
DL: 139.432

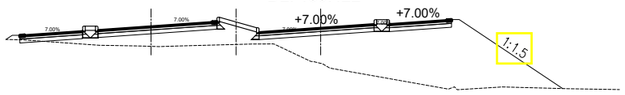


Cut - 1.464 m2
Fill - 27.240 m2

Ch:622+580
GL:138.611
DL:139.425

GL: 138.488
DL: 139.805

GL: 137.380
DL: 139.422

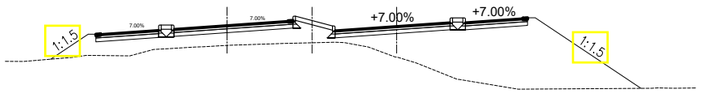


Cut - 2.639 m2
Fill - 51.824 m2

Ch:622+590
GL:138.594
DL:139.415

GL: 138.425
DL: 139.751

GL: 137.662
DL: 139.412

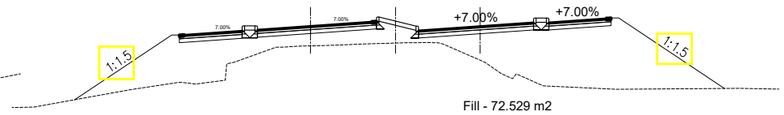


Fill - 56.099 m2

Ch:622+600
GL:138.576
DL:139.405

GL: 138.391
DL: 139.698

GL: 137.460
DL: 139.401

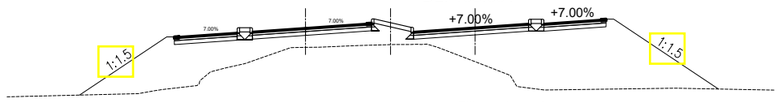


Fill - 72.529 m2

Ch:622+610
GL:138.543
DL:139.395

GL: 138.365
DL: 139.644

GL: 137.429
DL: 139.391

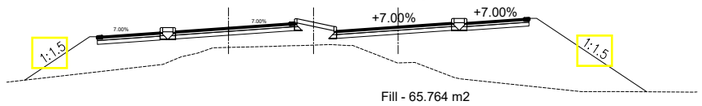


Fill - 74.355 m2

Ch:622+620
GL:138.445
DL:139.381

GL: 138.296
DL: 139.590

GL: 137.286
DL: 139.381

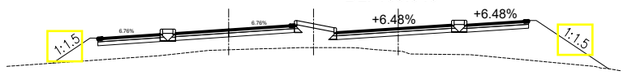


Fill - 65.764 m2

Ch:622+630
GL:138.338
DL:139.358

GL: 138.197
DL: 139.536

GL: 138.107
DL: 139.340

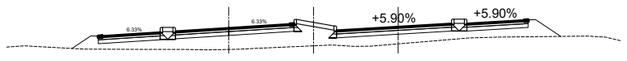


Fill - 35.072 m2

Ch:622+640
GL:138.306
DL:139.326

GL: 138.070
DL: 139.482

GL: 138.433
DL: 139.303



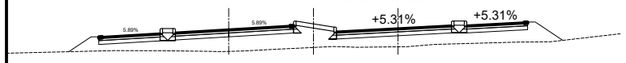
Fill - 18.160 m2

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:622+500 - 622+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.:** 219

Ch:622+650
GL:138.234
DL:139.285

GL: 137.976
DL: 139.427

GL: 138.277
DL: 139.254

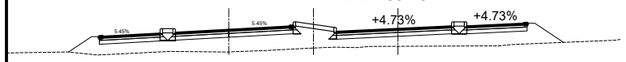


Fill - 21.180 m2

Ch:622+660
GL:138.158
DL:139.235

GL: 137.898
DL: 139.364

GL: 138.272
DL: 139.194

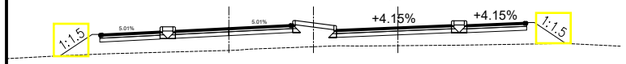


Fill - 23.338 m2

Ch:622+670
GL:138.069
DL:139.175

GL: 137.825
DL: 139.292

GL: 138.136
DL: 139.122

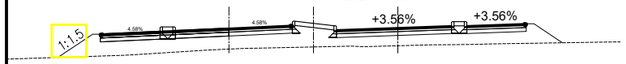


Fill - 25.758 m2

Ch:622+680
GL:137.998
DL:139.106

GL: 137.860
DL: 139.212

GL: 138.077
DL: 139.039

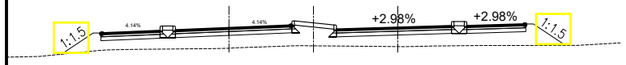


Fill - 25.410 m2

Ch:622+690
GL:137.940
DL:139.028

GL: 137.782
DL: 139.123

GL: 137.891
DL: 138.944

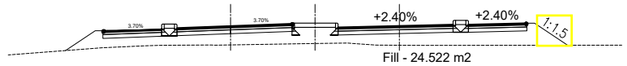


Fill - 24.965 m2

Ch:622+700
GL:137.888
DL:138.941

GL: 137.795
DL: 139.027

GL: 137.774
DL: 138.842



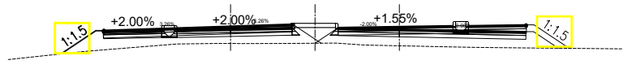
Fill - 24.522 m2

Ch:622+710
GL:137.821
DL:138.844

GL: 137.809
DL: 138.930

GL: 137.655
DL: 138.741

Fill - 25.168 m2

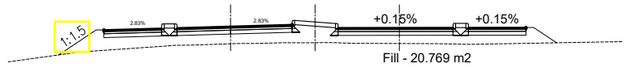


+1.55%

Ch:622+720
GL:137.767
DL:138.742

GL: 137.697
DL: 138.832

GL: 137.714
DL: 138.639

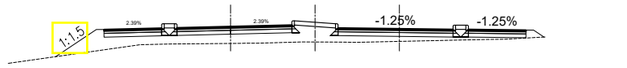


Fill - 20.769 m2

Ch:622+730
GL:137.726
DL:138.640

GL: 137.630
DL: 138.735

GL: 137.765
DL: 138.537

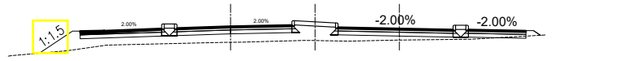


Fill - 15.500 m2

Ch:622+740
GL:137.668
DL:138.537

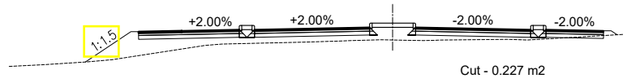
GL: 137.551
DL: 138.602

GL: 137.697
DL: 138.472



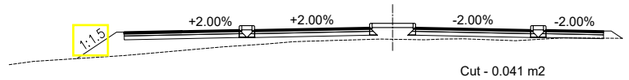
Cut - 0.134 m2
Fill - 14.455 m2

Ch:622+750
GL:137.610
DL:138.435



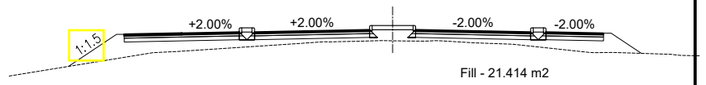
Cut - 0.227 m2
Fill - 16.759 m2

Ch:622+760
GL:137.568
DL:138.333



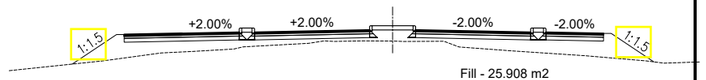
Cut - 0.041 m2
Fill - 17.315 m2

Ch:622+770
GL:137.512
DL:138.230



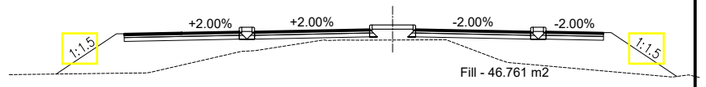
Fill - 21.414 m2

Ch:622+780
GL:137.404
DL:138.128



Fill - 25.908 m2

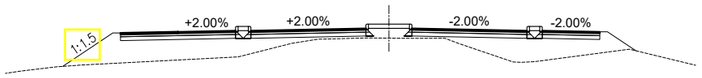
Ch:622+790
GL:137.318
DL:138.026



Fill - 46.761 m2

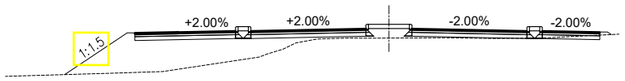
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:622+650 - 622+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.:** 220

Ch:622+800
GL:137.285
DL:137.924



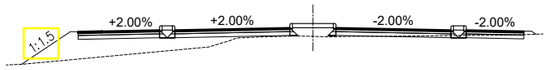
Fill - 34.433 m2

Ch:622+810
GL:137.200
DL:137.821



Cut - 0.650 m2
Fill - 26.944 m2

Ch:622+820
GL:137.157
DL:137.719

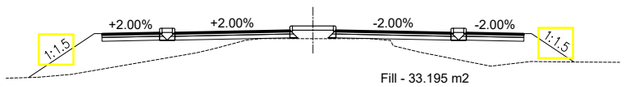


Cut - 1.235 m2
Fill - 16.236 m2

Ch:622+830
GL:137.093
DL:137.617

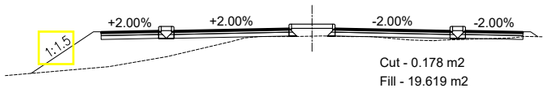
Fill - 22.342 m2

Ch:622+840
GL:136.960
DL:137.514



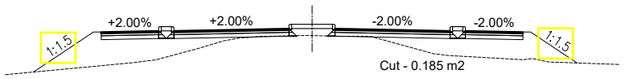
Fill - 33.195 m2

Ch:622+850
GL:136.903
DL:137.412



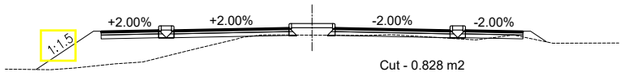
Cut - 0.178 m2
Fill - 19.619 m2

Ch:622+860
GL:136.850
DL:137.310



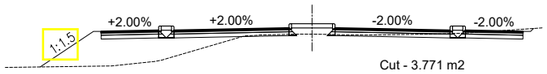
Cut - 0.185 m2
Fill - 30.175 m2

Ch:622+870
GL:136.725
DL:137.207



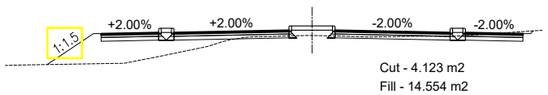
Cut - 0.828 m2
Fill - 18.707 m2

Ch:622+880
GL:136.700
DL:137.105



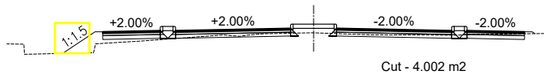
Cut - 3.771 m2
Fill - 18.119 m2

Ch:622+890
GL:136.656
DL:137.003



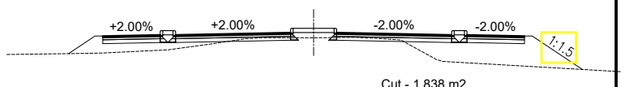
Cut - 4.123 m2
Fill - 14.554 m2

Ch:622+900
GL:136.610
DL:136.901



Cut - 4.002 m2
Fill - 5.376 m2

Ch:622+910
GL:136.458
DL:136.798

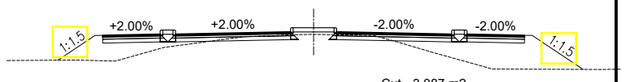


Cut - 1.838 m2
Fill - 20.755 m2

Ch:622+920
GL:136.405
DL:136.696

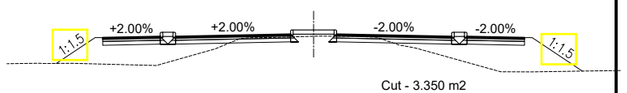
Cut - 2.159 m2
Fill - 23.048 m2

Ch:622+930
GL:136.437
DL:136.594



Cut - 3.087 m2
Fill - 23.526 m2

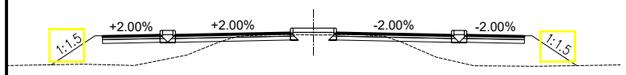
Ch:622+940
GL:136.370
DL:136.506



Cut - 3.350 m2
Fill - 27.278 m2

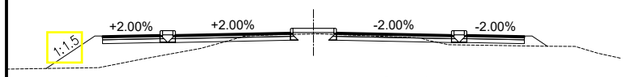
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:622+800 - 622+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.:** 221

Ch:622+950
GL:136.270
DL:136.439



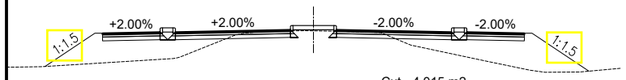
Cut - 3.647 m2
Fill - 27.284 m2

Ch:622+960
GL:136.299
DL:136.394



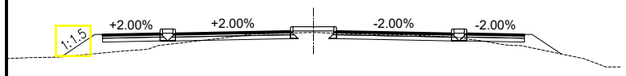
Cut - 4.314 m2
Fill - 15.023 m2

Ch:622+970
GL:136.299
DL:136.370



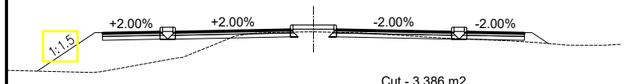
Cut - 4.015 m2
Fill - 29.838 m2

Ch:622+980
GL:136.271
DL:136.368



Cut - 5.244 m2
Fill - 8.966 m2

Ch:622+990
GL:136.213
DL:136.388



Cut - 3.386 m2
Fill - 20.006 m2

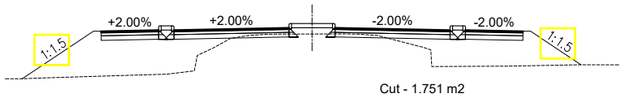
Ch:623+000
GL:136.173
DL:136.424

Cut - 2.321 m2
Fill - 23.025 m2

Ch:623+010
GL:136.161
DL:136.462

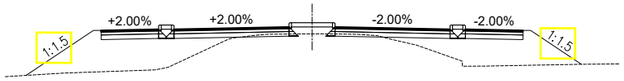
Cut - 2.722 m2
Fill - 15.667 m2

Ch:623+020
GL:136.092
DL:136.500



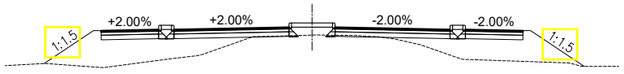
Cut - 1.751 m2
Fill - 42.809 m2

Ch:623+030
GL:136.087
DL:136.538



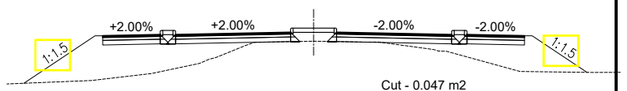
Cut - 1.182 m2
Fill - 38.373 m2

Ch:623+040
GL:136.058
DL:136.575



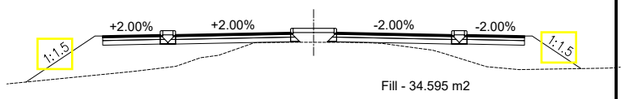
Cut - 0.473 m2
Fill - 31.949 m2

Ch:623+050
GL:136.027
DL:136.603



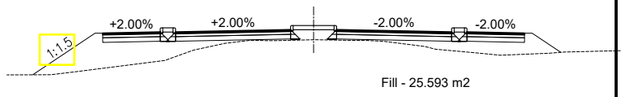
Cut - 0.047 m2
Fill - 37.409 m2

Ch:623+060
GL:135.986
DL:136.620



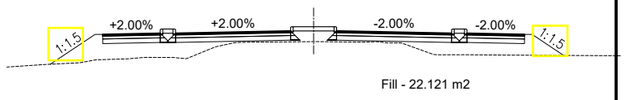
Fill - 34.595 m2

Ch:623+070
GL:135.976
DL:136.626



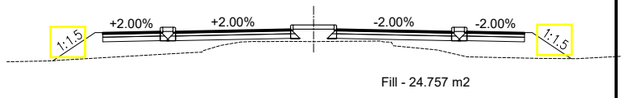
Fill - 25.593 m2

Ch:623+080
GL:135.928
DL:136.621



Fill - 22.121 m2

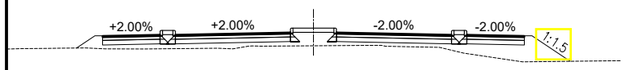
Ch:623+090
GL:135.791
DL:136.605



Fill - 24.757 m2

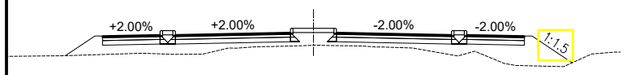
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:622+950 - 623+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.:** 222

Ch:623+100
GL:135.701
DL:136.578



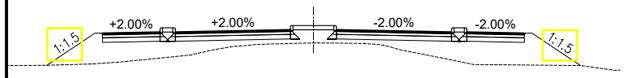
Fill - 17.040 m2

Ch:623+110
GL:135.714
DL:136.539



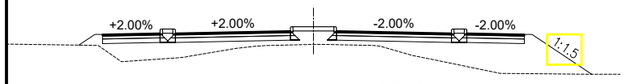
Fill - 22.391 m2

Ch:623+120
GL:135.631
DL:136.490



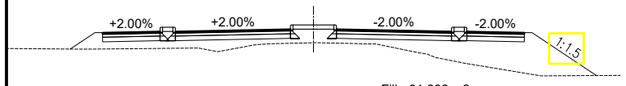
Fill - 33.240 m2

Ch:623+130
GL:135.553
DL:136.429



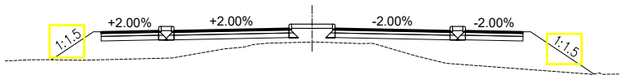
Fill - 33.381 m2

Ch:623+140
GL:135.473
DL:136.358



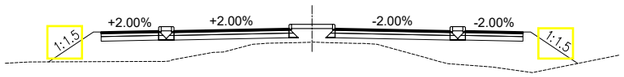
Fill - 31.266 m2

Ch:623+150
GL:135.391
DL:136.284



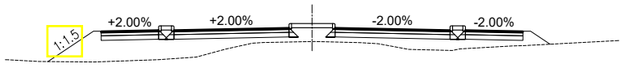
Fill - 38.231 m2

Ch:623+160
GL:135.318
DL:136.210



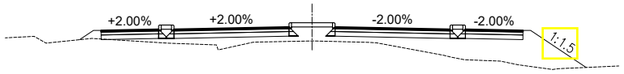
Fill - 38.581 m2

Ch:623+170
GL:135.238
DL:136.137



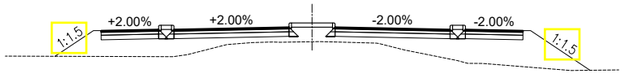
Fill - 27.075 m2

Ch:623+180
GL:135.151
DL:136.063



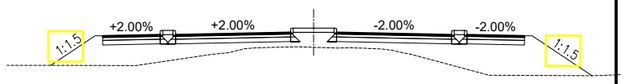
Cut - 0.010 m2
Fill - 25.686 m2

Ch:623+190
GL:135.041
DL:135.990



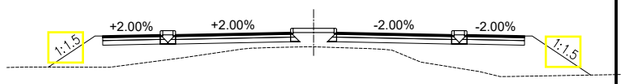
Fill - 35.660 m2

Ch:623+200
GL:134.940
DL:135.916



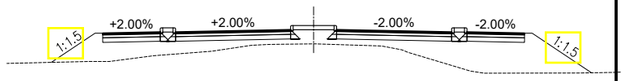
Fill - 38.644 m2

Ch:623+210
GL:134.914
DL:135.842



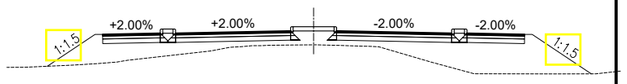
Fill - 39.009 m2

Ch:623+220
GL:134.849
DL:135.769



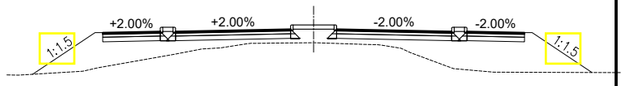
Fill - 37.577 m2

Ch:623+230
GL:134.792
DL:135.695



Fill - 37.712 m2

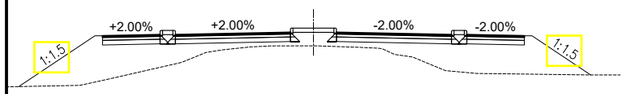
Ch:623+240
GL:134.736
DL:135.622



Fill - 40.586 m2

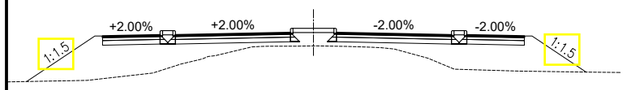
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:623+100 - 623+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.:** 223

Ch:623+250
GL:134.668
DL:135.548



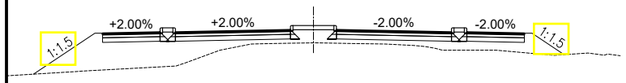
Fill - 46.802 m2

Ch:623+260
GL:134.604
DL:135.475



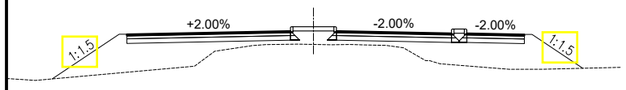
Fill - 43.292 m2

Ch:623+270
GL:134.547
DL:135.401



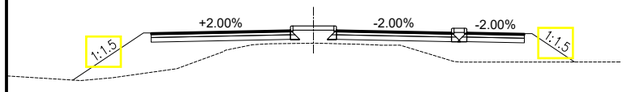
Fill - 30.358 m2

Ch:623+280
GL:134.449
DL:135.327



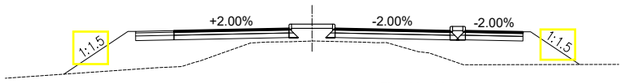
Fill - 38.252 m2

Ch:623+290
GL:134.402
DL:135.254



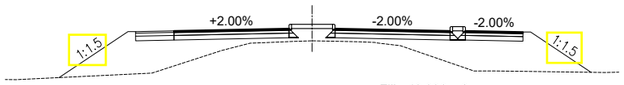
Fill - 32.941 m2

Ch:623+300
GL:134.353
DL:135.180



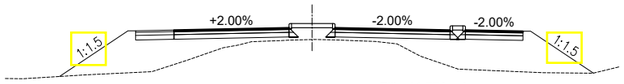
Fill - 36.562 m2

Ch:623+310
GL:134.308
DL:135.107



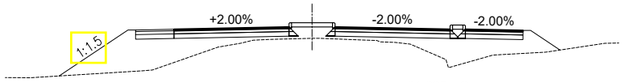
Fill - 40.996 m2

Ch:623+320
GL:134.265
DL:135.033



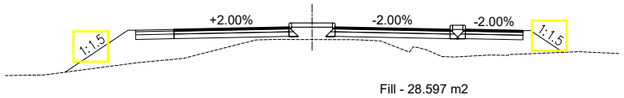
Fill - 41.776 m2

Ch:623+330
GL:134.220
DL:134.959



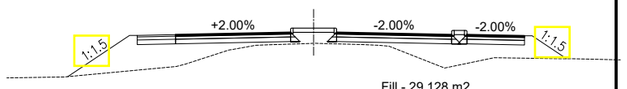
Fill - 31.905 m2

Ch:623+340
GL:134.076
DL:134.886



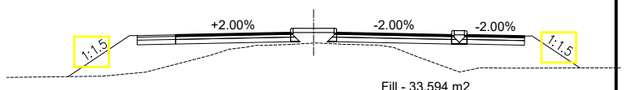
Fill - 28.597 m2

Ch:623+350
GL:134.100
DL:134.812



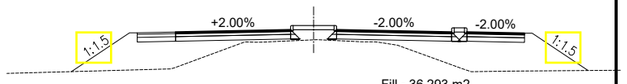
Fill - 29.128 m2

Ch:623+360
GL:134.053
DL:134.739



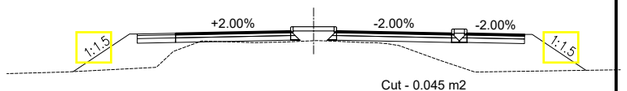
Fill - 33.594 m2

Ch:623+370
GL:134.008
DL:134.665



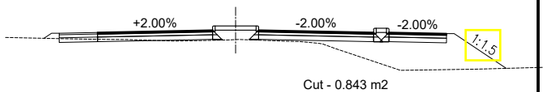
Fill - 36.293 m2

Ch:623+380
GL:133.955
DL:134.591



Cut - 0.045 m2
Fill - 29.512 m2

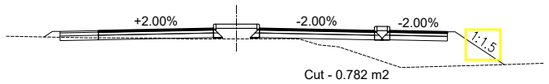
Ch:623+390
GL:133.902
DL:134.518



Cut - 0.843 m2
Fill - 19.348 m2

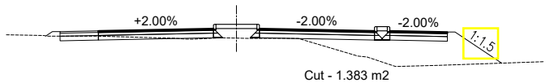
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:623+250 - 623+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.:** 224

Ch:623+400
GL:133.757
DL:134.444



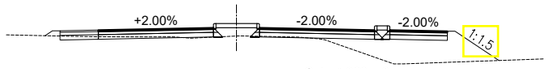
Cut - 0.782 m2
Fill - 18.819 m2

Ch:623+410
GL:133.746
DL:134.371



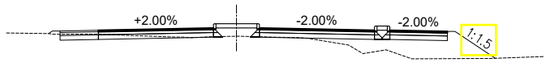
Cut - 1.383 m2
Fill - 18.178 m2

Ch:623+420
GL:133.758
DL:134.297



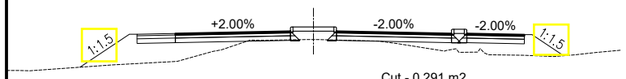
Cut - 1.320 m2
Fill - 15.906 m2

Ch:623+430
GL:133.683
DL:134.223



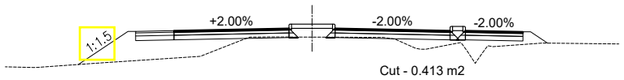
Cut - 2.161 m2
Fill - 12.696 m2

Ch:623+440
GL:133.603
DL:134.150



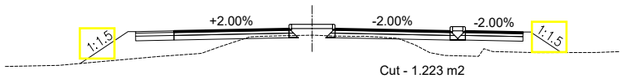
Cut - 0.291 m2
Fill - 19.483 m2

Ch:623+450
GL:133.505
DL:134.076



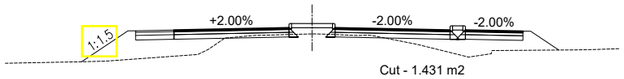
Cut - 0.413 m2
Fill - 18.261 m2

Ch:623+460
GL:133.570
DL:134.003



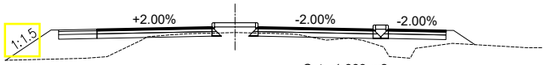
Cut - 1.223 m2
Fill - 19.867 m2

Ch:623+470
GL:133.527
DL:133.929



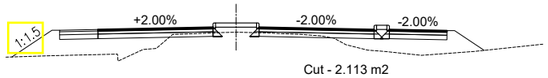
Cut - 1.431 m2
Fill - 19.549 m2

Ch:623+480
GL:133.492
DL:133.856



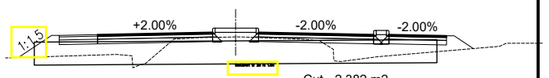
Cut - 1.863 m2
Fill - 16.830 m2

Ch:623+490
GL:133.451
DL:133.782



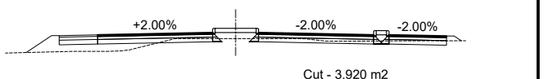
Cut - 2.113 m2
Fill - 20.196 m2

Ch:623+500
GL:133.409
DL:133.709



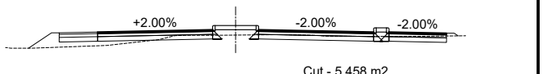
Cut - 2.382 m2
Fill - 17.580 m2

Ch:623+510
GL:133.249
DL:133.645



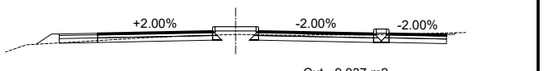
Cut - 3.920 m2
Fill - 6.710 m2

Ch:623+520
GL:133.250
DL:133.598



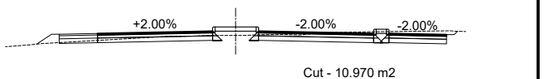
Cut - 5.458 m2
Fill - 5.275 m2

Ch:623+530
GL:133.339
DL:133.567



Cut - 9.037 m2
Fill - 3.161 m2

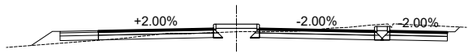
Ch:623+540
GL:133.272
DL:133.551



Cut - 10.970 m2
Fill - 3.114 m2

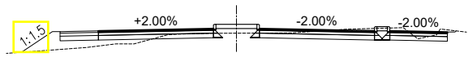
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:623+400 - 623+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.:** 225

Ch:623+550
GL:133.329
DL:133.552



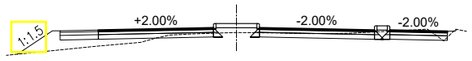
Cut - 12.247 m2
Fill - 3.776 m2

Ch:623+560
GL:133.266
DL:133.568



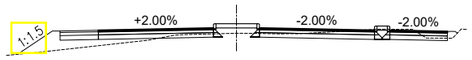
Cut - 8.482 m2
Fill - 6.468 m2

Ch:623+570
GL:133.289
DL:133.601



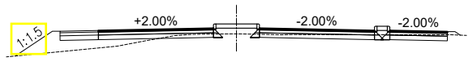
Cut - 6.352 m2
Fill - 7.200 m2

Ch:623+580
GL:133.293
DL:133.639



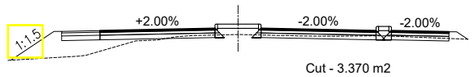
Cut - 6.520 m2
Fill - 7.070 m2

Ch:623+590
GL:133.308
DL:133.677



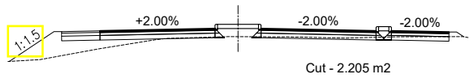
Cut - 4.844 m2
Fill - 7.847 m2

Ch:623+600
GL:133.310
DL:133.715



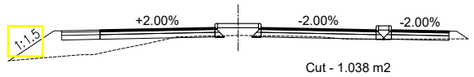
Cut - 3.370 m2
Fill - 9.812 m2

Ch:623+610
GL:133.224
DL:133.753



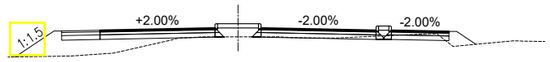
Cut - 2.205 m2
Fill - 9.143 m2

Ch:623+620
GL:133.290
DL:133.791



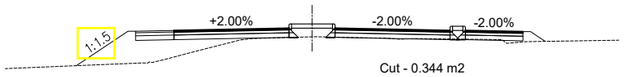
Cut - 1.038 m2
Fill - 11.048 m2

Ch:623+630
GL:133.249
DL:133.829



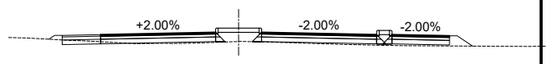
Cut - 1.964 m2
Fill - 11.865 m2

Ch:623+640
GL:133.304
DL:133.867



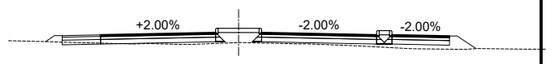
Cut - 0.344 m2
Fill - 14.148 m2

Ch:623+650
GL:133.307
DL:133.905



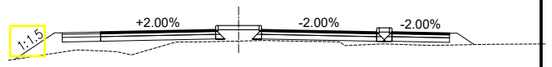
Cut - 0.684 m2
Fill - 4.650 m2

Ch:623+660
GL:133.286
DL:133.940



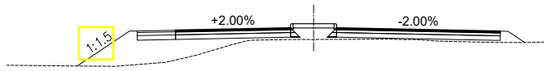
Cut - 0.331 m2
Fill - 6.621 m2

Ch:623+670
GL:133.225
DL:133.963



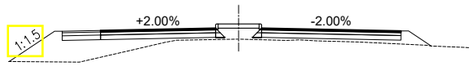
Fill - 13.124 m2

Ch:623+680
GL:133.225
DL:133.973



Fill - 17.271 m2

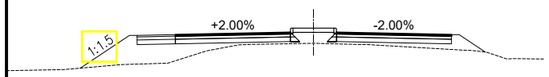
Ch:623+690
GL:133.257
DL:133.971



Fill - 15.949 m2

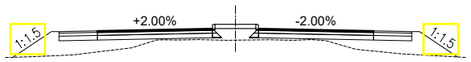
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:623+550 - 623+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.:** 226

Ch:623+700
GL:133.240
DL:133.956



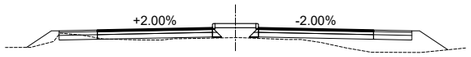
Fill - 15.411 m2

Ch:623+710
GL:133.170
DL:133.928



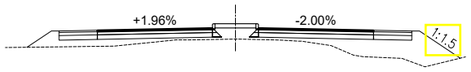
Fill - 16.566 m2

Ch:623+720
GL:133.246
DL:133.888



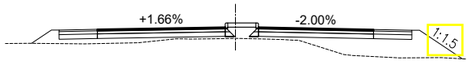
Cut - 0.768 m2
Fill - 10.454 m2

Ch:623+730
GL:133.110
DL:133.835



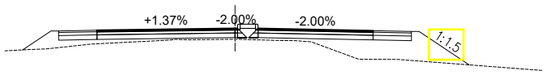
Fill - 17.974 m2

Ch:623+740
GL:133.037
DL:133.770



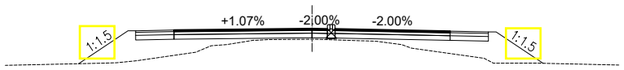
Fill - 16.222 m2

Ch:623+750
GL:132.980
DL:133.692



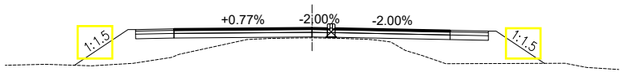
Fill - 16.089 m2

Ch:623+760
GL:132.904
DL:133.601



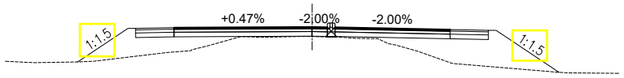
Fill - 20.296 m2

Ch:623+770
GL:132.841
DL:133.498



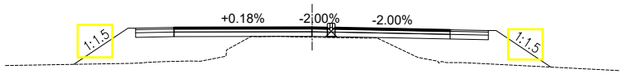
Fill - 24.737 m2

Ch:623+780
GL:132.756
DL:133.382



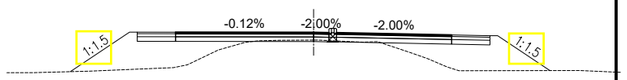
Fill - 23.987 m2

Ch:623+790
GL:132.601
DL:133.253



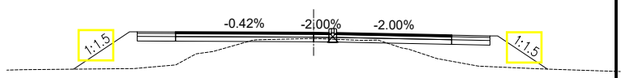
Cut - 0.010 m2
Fill - 29.134 m2

Ch:623+800
GL:132.608
DL:133.112



Cut - 0.521 m2
Fill - 27.053 m2

Ch:623+810
GL:132.577
DL:132.967

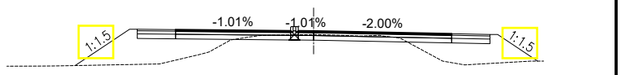


Cut - 1.431 m2
Fill - 22.991 m2

Ch:623+820
GL:132.514
DL:132.822

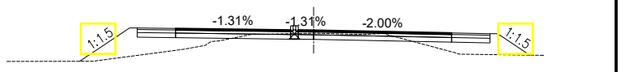
Cut - 2.225 m2
Fill - 23.542 m2

Ch:623+830
GL:132.443
DL:132.678



Cut - 3.389 m2
Fill - 21.197 m2

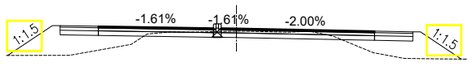
Ch:623+840
GL:132.349
DL:132.548



Cut - 3.846 m2
Fill - 13.058 m2

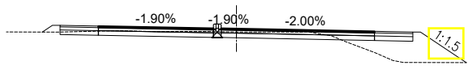
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:623+700 - 623+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.:** 227

Ch:623+850
GL:132.254
DL:132.440



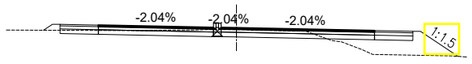
Cut - 4.542 m2
Fill - 18.517 m2

Ch:623+860
GL:132.128
DL:132.354



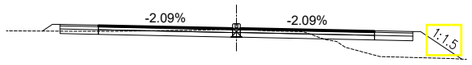
Cut - 6.189 m2
Fill - 8.261 m2

Ch:623+870
GL:132.167
DL:132.290



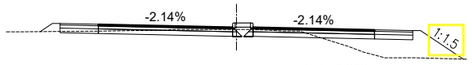
Cut - 6.271 m2
Fill - 6.798 m2

Ch:623+880
GL:132.155
DL:132.247



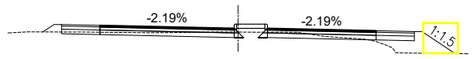
Cut - 5.868 m2
Fill - 7.969 m2

Ch:623+890
GL:132.079
DL:132.226



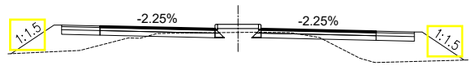
Cut - 5.253 m2
Fill - 9.403 m2

Ch:623+900
GL:131.968
DL:132.211



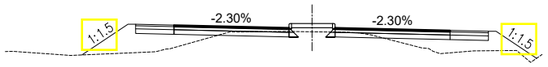
Cut - 4.689 m2
Fill - 5.603 m2

Ch:623+910
GL:131.942
DL:132.197



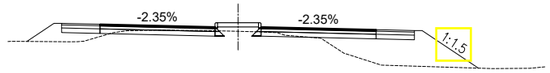
Cut - 3.269 m2
Fill - 18.560 m2

Ch:623+920
GL:131.920
DL:132.182



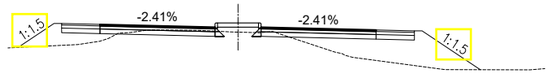
Cut - 3.036 m2
Fill - 16.174 m2

Ch:623+930
GL:131.885
DL:132.168



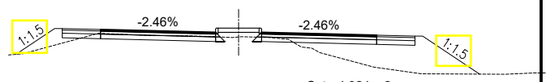
Cut - 3.322 m2
Fill - 18.321 m2

Ch:623+940
GL:131.830
DL:132.154



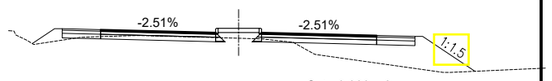
Cut - 3.089 m2
Fill - 20.813 m2

Ch:623+950
GL:131.837
DL:132.139



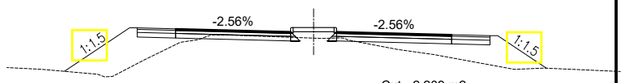
Cut - 4.024 m2
Fill - 18.853 m2

Ch:623+960
GL:131.754
DL:132.125



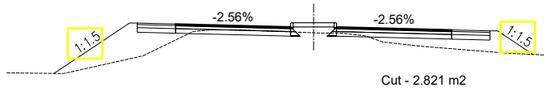
Cut - 3.030 m2
Fill - 16.121 m2

Ch:623+970
GL:131.695
DL:132.110



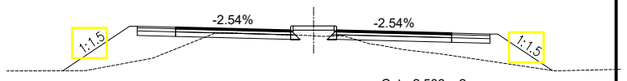
Cut - 2.209 m2
Fill - 23.085 m2

Ch:623+980
GL:131.714
DL:132.096



Cut - 2.821 m2
Fill - 18.600 m2

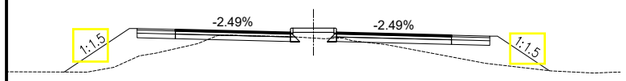
Ch:623+990
GL:131.711
DL:132.082



Cut - 2.506 m2
Fill - 22.765 m2

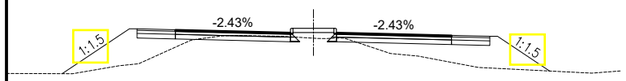
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:623+850 - 623+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.:** 228

Ch:624+000
GL:131.695
DL:132.067



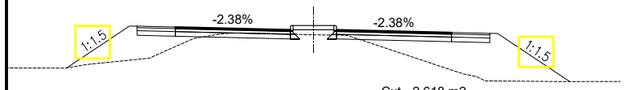
Cut - 2.525 m2
Fill - 20.185 m2

Ch:624+010
GL:131.685
DL:132.053



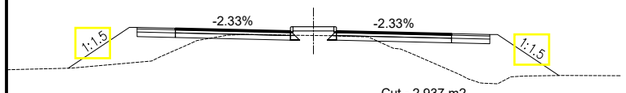
Cut - 2.645 m2
Fill - 23.900 m2

Ch:624+020
GL:131.706
DL:132.038



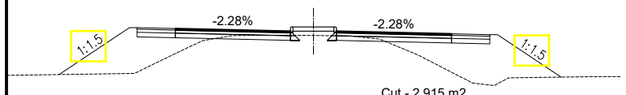
Cut - 2.618 m2
Fill - 31.032 m2

Ch:624+030
GL:131.729
DL:132.024



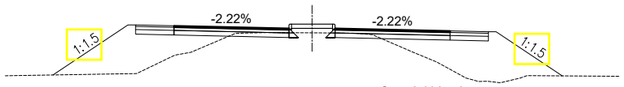
Cut - 2.937 m2
Fill - 29.475 m2

Ch:624+040
GL:131.728
DL:132.010



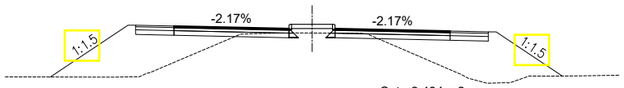
Cut - 2.915 m2
Fill - 33.272 m2

Ch:624+050
GL:131.704
DL:131.995



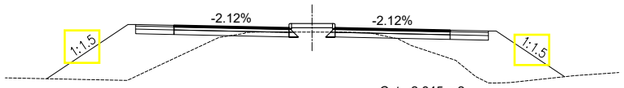
Cut - 2.692 m2
Fill - 37.621 m2

Ch:624+060
GL:131.689
DL:131.981



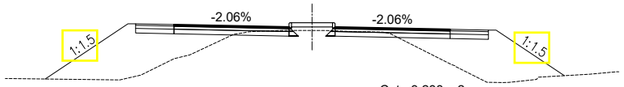
Cut - 2.484 m2
Fill - 40.741 m2

Ch:624+070
GL:131.683
DL:131.967



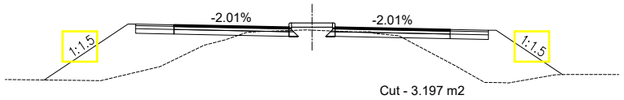
Cut - 2.845 m2
Fill - 38.331 m2

Ch:624+080
GL:131.723
DL:131.952



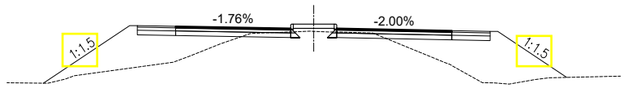
Cut - 3.288 m2
Fill - 40.625 m2

Ch:624+090
GL:131.741
DL:131.938



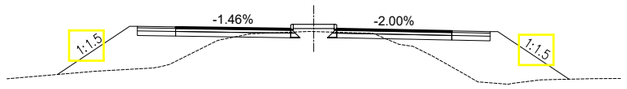
Cut - 3.197 m2
Fill - 39.418 m2

Ch:624+100
GL:131.726
DL:131.923



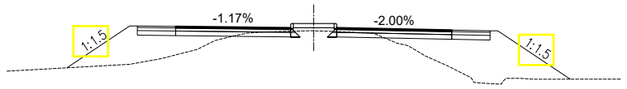
Cut - 2.961 m2
Fill - 41.532 m2

Ch:624+110
GL:131.712
DL:131.909



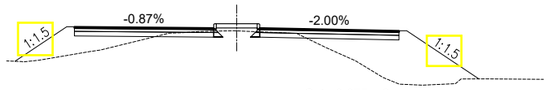
Cut - 2.993 m2
Fill - 36.523 m2

Ch:624+120
GL:131.695
DL:131.895



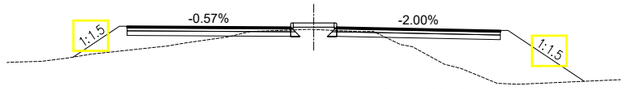
Cut - 3.016 m2
Fill - 34.030 m2

Ch:624+130
GL:131.692
DL:131.880



Cut - 3.075 m2
Fill - 28.763 m2

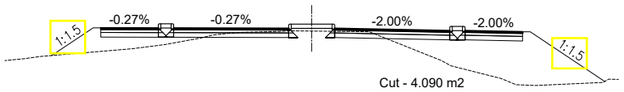
Ch:624+140
GL:131.716
DL:131.866



Cut - 3.423 m2
Fill - 30.535 m2

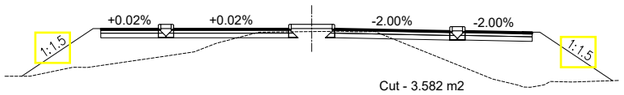
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:624+000 - 624+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.:** 229

Ch:624+150
GL:131.684
DL:131.863



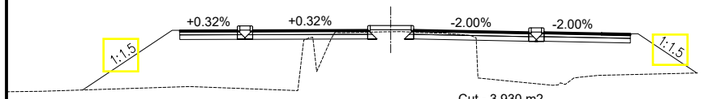
Cut - 4.090 m2
Fill - 33.980 m2

Ch:624+160
GL:131.685
DL:131.883



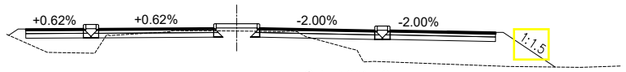
Cut - 3.582 m2
Fill - 44.219 m2

Ch:624+170
GL:131.795
DL:131.925



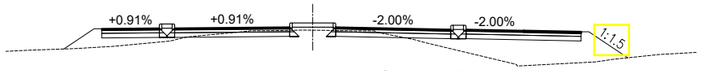
Cut - 3.930 m2
Fill - 73.312 m2

Ch:624+180
GL:131.789
DL:131.990



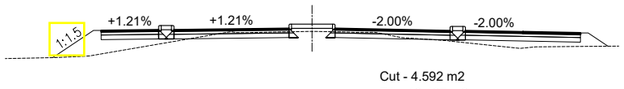
Cut - 4.641 m2
Fill - 27.182 m2

Ch:624+190
GL:131.878
DL:132.077



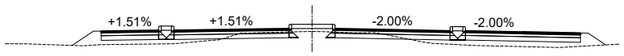
Cut - 4.340 m2
Fill - 22.803 m2

Ch:624+200
GL:131.977
DL:132.175



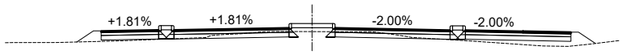
Cut - 4.592 m2
Fill - 12.427 m2

Ch:624+210
GL:132.081
DL:132.273



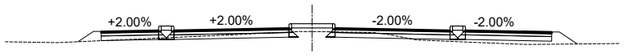
Cut - 3.906 m2
Fill - 10.189 m2

Ch:624+220
GL:132.121
DL:132.371



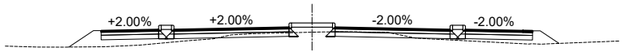
Cut - 4.279 m2
Fill - 6.581 m2

Ch:624+230
GL:132.236
DL:132.469



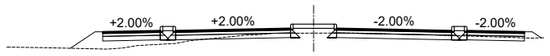
Cut - 4.406 m2
Fill - 6.017 m2

Ch:624+240
GL:132.239
DL:132.567



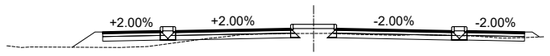
Cut - 3.086 m2
Fill - 8.540 m2

Ch:624+250
GL:132.354
DL:132.665



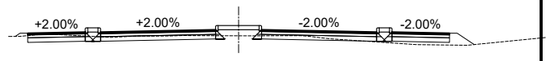
Cut - 5.307 m2
Fill - 6.722 m2

Ch:624+260
GL:132.444
DL:132.763



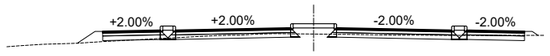
Cut - 5.227 m2
Fill - 6.374 m2

Ch:624+270
GL:132.467
DL:132.862



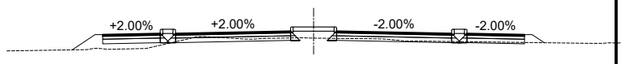
Cut - 5.633 m2
Fill - 4.656 m2

Ch:624+280
GL:132.563
DL:132.960



Cut - 5.312 m2
Fill - 3.952 m2

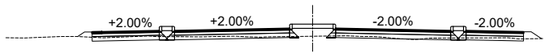
Ch:624+290
GL:132.597
DL:133.051



Cut - 3.157 m2
Fill - 5.910 m2

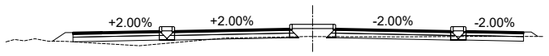
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:624+150 - 624+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.:** 230

Ch:624+300
GL:132.613
DL:133.128



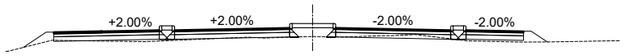
Cut - 3.737 m2
Fill - 3.601 m2

Ch:624+310
GL:132.670
DL:133.191



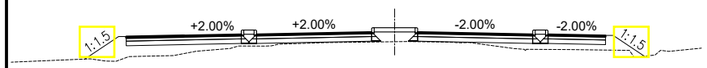
Cut - 2.816 m2
Fill - 5.259 m2

Ch:624+320
GL:132.665
DL:133.239



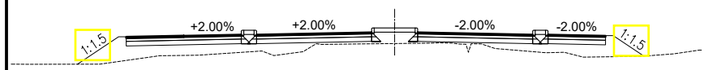
Cut - 1.107 m2
Fill - 5.531 m2

Ch:624+330
GL:132.638
DL:133.272



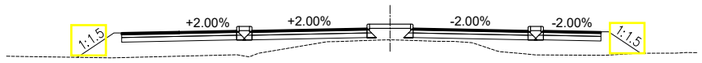
Fill - 14.629 m2

Ch:624+340
GL:132.550
DL:133.291



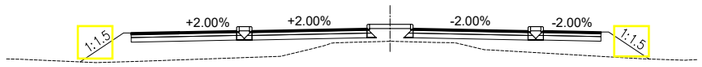
Fill - 22.059 m2

Ch:624+350
GL:132.549
DL:133.296



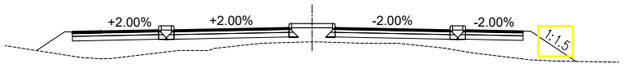
Fill - 28.405 m2

Ch:624+360
GL:132.455
DL:133.286



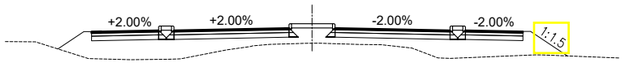
Fill - 32.975 m2

Ch:624+370
GL:132.346
DL:133.261



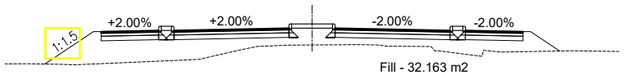
Fill - 28.589 m2

Ch:624+380
GL:132.226
DL:133.222



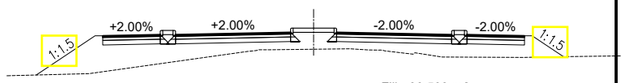
Fill - 31.714 m2

Ch:624+390
GL:132.074
DL:133.169



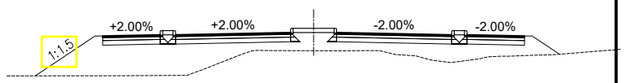
Fill - 32.163 m2

Ch:624+400
GL:132.000
DL:133.100



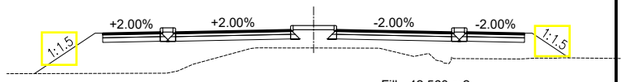
Fill - 33.593 m2

Ch:624+410
GL:131.834
DL:133.018



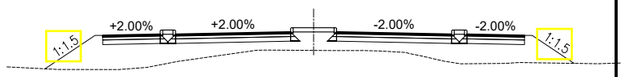
Fill - 40.772 m2

Ch:624+420
GL:131.735
DL:132.921



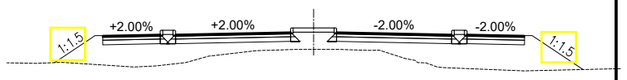
Fill - 42.560 m2

Ch:624+430
GL:131.606
DL:132.809



Fill - 37.505 m2

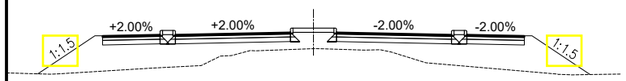
Ch:624+440
GL:131.566
DL:132.689



Fill - 40.140 m2

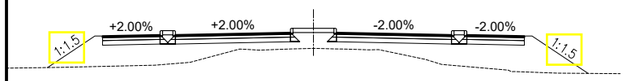
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:624+300 - 624+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.:** 231

Ch:624+450
GL:131.504
DL:132.569



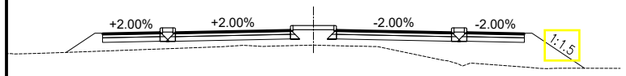
Fill - 43.795 m2

Ch:624+460
GL:131.416
DL:132.449



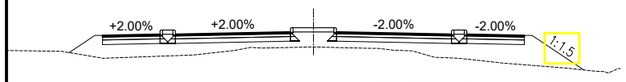
Fill - 38.919 m2

Ch:624+470
GL:131.328
DL:132.330



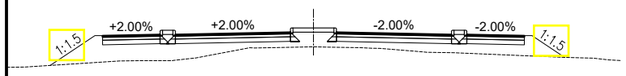
Fill - 29.276 m2

Ch:624+480
GL:131.234
DL:132.210



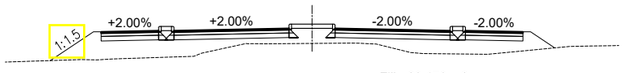
Fill - 28.234 m2

Ch:624+490
GL:131.137
DL:132.090



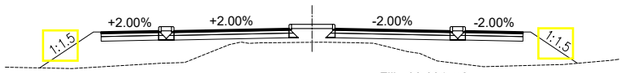
Fill - 26.126 m2

Ch:624+500
GL:130.987
DL:131.970



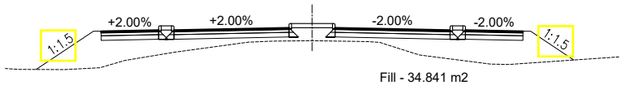
Fill - 28.173 m2

Ch:624+510
GL:130.953
DL:131.850



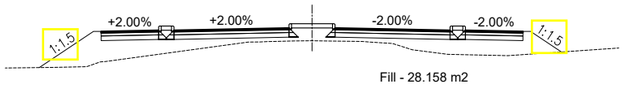
Fill - 38.881 m2

Ch:624+520
GL:130.886
DL:131.731



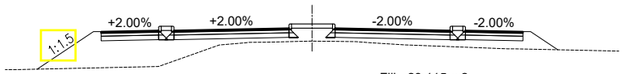
Fill - 34.841 m2

Ch:624+530
GL:130.793
DL:131.626



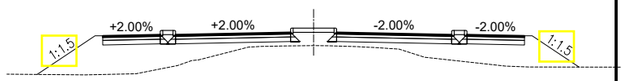
Fill - 28.158 m2

Ch:624+540
GL:130.700
DL:131.544



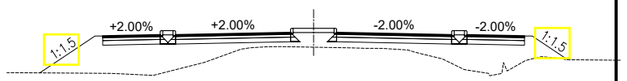
Fill - 28.115 m2

Ch:624+550
GL:130.620
DL:131.484



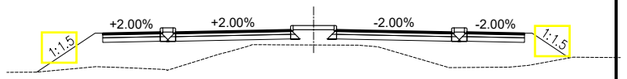
Fill - 37.687 m2

Ch:624+560
GL:130.491
DL:131.445



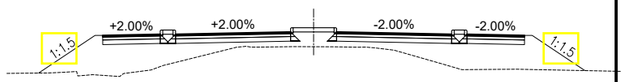
Fill - 38.592 m2

Ch:624+570
GL:130.437
DL:131.429



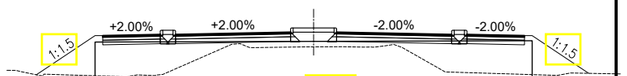
Fill - 41.403 m2

Ch:624+580
GL:130.458
DL:131.419



Fill - 40.608 m2

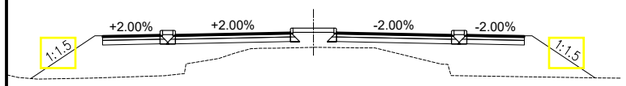
Ch:624+590
GL:130.453
DL:131.409



Fill - 44.336 m2

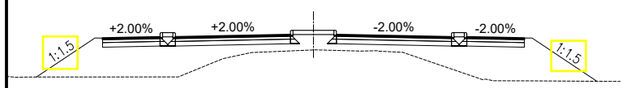
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:624+450 - 624+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.:** 232

Ch:624+600
GL:130.422
DL:131.400



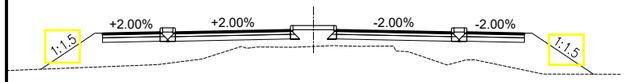
Fill - 49.969 m2

Ch:624+610
GL:130.388
DL:131.390



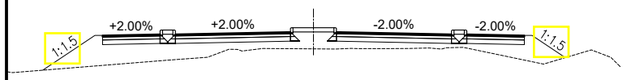
Fill - 48.969 m2

Ch:624+620
GL:130.292
DL:131.381



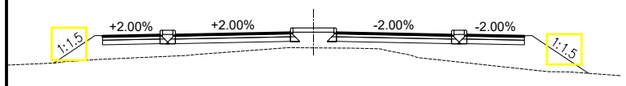
Fill - 41.536 m2

Ch:624+630
GL:130.269
DL:131.371



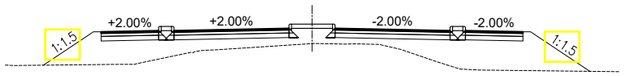
Fill - 28.283 m2

Ch:624+640
GL:130.338
DL:131.361



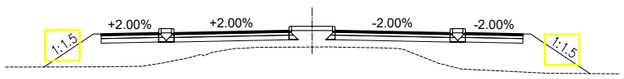
Fill - 32.739 m2

Ch:624+650
GL:130.357
DL:131.352



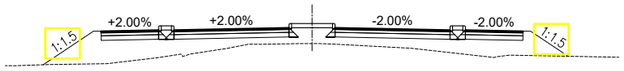
Fill - 41.644 m2

Ch:624+660
GL:130.269
DL:131.342



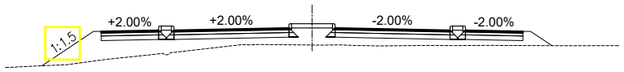
Fill - 41.134 m2

Ch:624+670
GL:130.301
DL:131.333



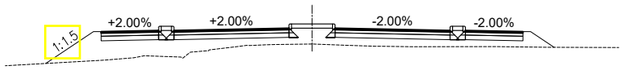
Fill - 32.320 m2

Ch:624+680
GL:130.206
DL:131.319



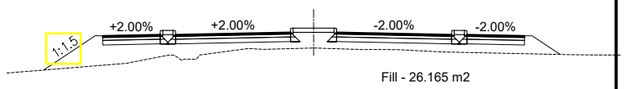
Fill - 24.463 m2

Ch:624+690
GL:130.258
DL:131.291



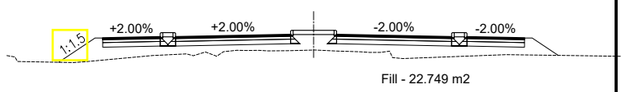
Fill - 25.554 m2

Ch:624+700
GL:130.225
DL:131.249



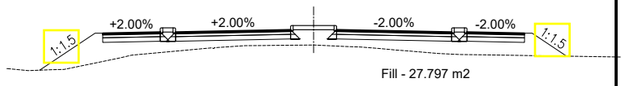
Fill - 26.165 m2

Ch:624+710
GL:130.184
DL:131.193



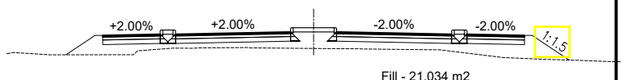
Fill - 22.749 m2

Ch:624+720
GL:130.128
DL:131.123



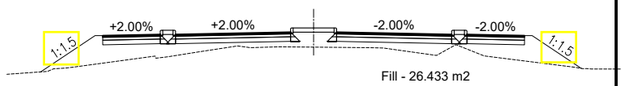
Fill - 27.797 m2

Ch:624+730
GL:129.965
DL:131.039



Fill - 21.034 m2

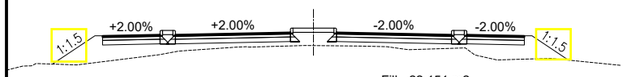
Ch:624+740
GL:129.966
DL:130.941



Fill - 26.433 m2

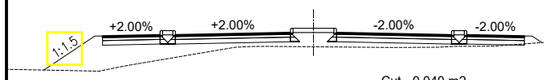
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:624+600 - 624+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.:** 233

Ch:624+750
GL:129.967
DL:130.830



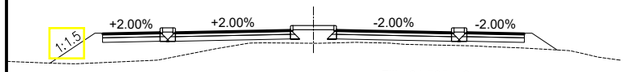
Fill - 22.151 m2

Ch:624+760
GL:129.787
DL:130.715



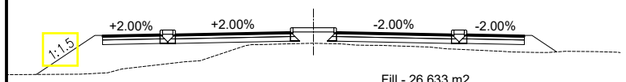
Cut - 0.040 m2
Fill - 21.020 m2

Ch:624+770
GL:129.718
DL:130.600



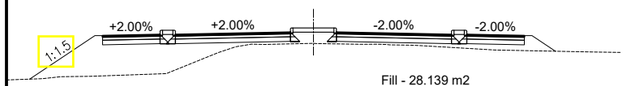
Fill - 21.585 m2

Ch:624+780
GL:129.748
DL:130.485



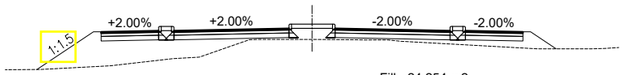
Fill - 26.633 m2

Ch:624+790
GL:129.638
DL:130.370



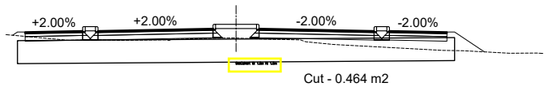
Fill - 28.139 m2

Ch:624+800
GL:129.532
DL:130.255



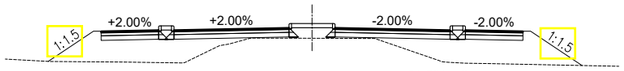
Fill - 24.254 m2

Ch:624+810
GL:129.519
DL:130.140



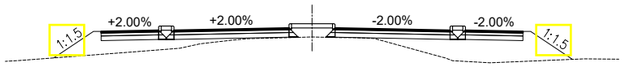
Cut - 0.464 m2
Fill - 9.669 m2

Ch:624+820
GL:129.341
DL:130.025



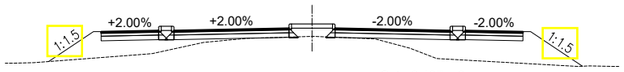
Fill - 34.564 m2

Ch:624+830
GL:129.322
DL:129.910



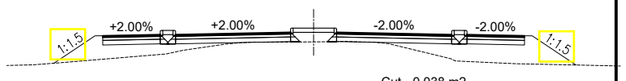
Cut - 0.007 m2
Fill - 24.534 m2

Ch:624+840
GL:129.259
DL:129.795



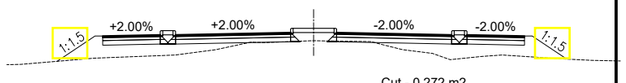
Cut - 0.137 m2
Fill - 26.563 m2

Ch:624+850
GL:129.059
DL:129.680



Cut - 0.038 m2
Fill - 21.949 m2

Ch:624+860
GL:129.036
DL:129.565

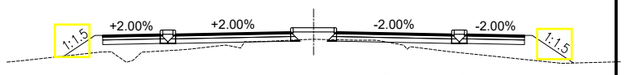


Cut - 0.272 m2
Fill - 19.580 m2

Ch:624+870
GL:128.932
DL:129.450

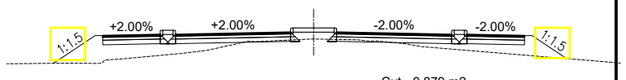
Cut - 0.365 m2
Fill - 20.211 m2

Ch:624+880
GL:128.858
DL:129.335



Cut - 0.684 m2
Fill - 17.157 m2

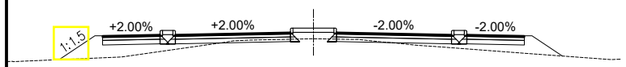
Ch:624+890
GL:128.774
DL:129.220



Cut - 0.879 m2
Fill - 17.490 m2

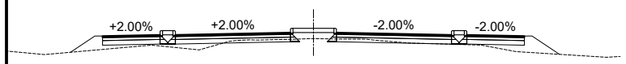
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:624+750 - 624+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.:** 234

Ch:624+900
GL:128.687
DL:129.105



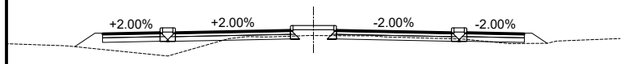
Cut - 1.477 m2
Fill - 13.213 m2

Ch:624+910
GL:128.593
DL:128.990



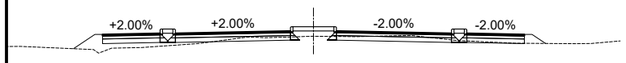
Cut - 1.876 m2
Fill - 8.082 m2

Ch:624+920
GL:128.499
DL:128.875



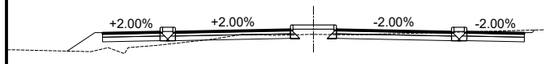
Cut - 3.067 m2
Fill - 9.711 m2

Ch:624+930
GL:128.419
DL:128.766



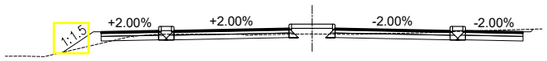
Cut - 4.185 m2
Fill - 6.436 m2

Ch:624+940
GL:128.339
DL:128.678



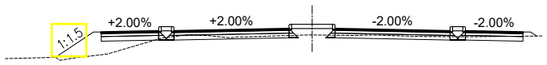
Cut - 7.871 m2
Fill - 6.704 m2

Ch:624+950
GL:128.245
DL:128.612



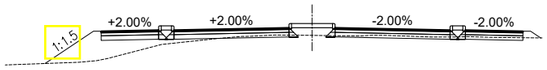
Cut - 9.591 m2
Fill - 4.309 m2

Ch:624+960
GL:128.148
DL:128.567



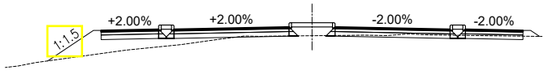
Cut - 4.749 m2
Fill - 7.717 m2

Ch:624+970
GL:128.049
DL:128.545



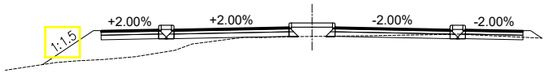
Cut - 2.512 m2
Fill - 11.223 m2

Ch:624+980
GL:127.973
DL:128.544



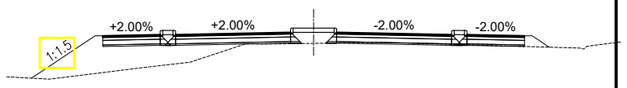
Cut - 2.329 m2
Fill - 10.454 m2

Ch:624+990
GL:127.961
DL:128.565



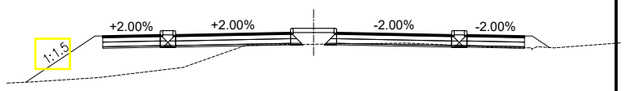
Cut - 2.195 m2
Fill - 13.941 m2

Ch:625+000
GL:127.890
DL:128.608



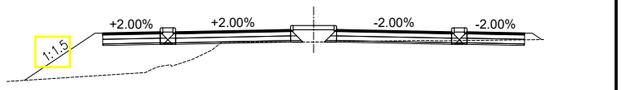
Cut - 0.669 m2
Fill - 20.651 m2

Ch:625+010
GL:127.905
DL:128.667



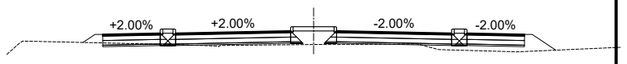
Cut - 1.547 m2
Fill - 22.734 m2

Ch:625+020
GL:127.922
DL:128.727



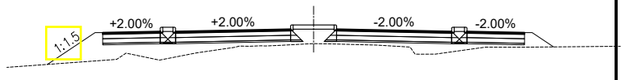
Cut - 2.652 m2
Fill - 21.914 m2

Ch:625+030
GL:127.903
DL:128.786



Cut - 0.808 m2
Fill - 7.921 m2

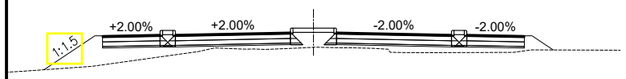
Ch:625+040
GL:127.906
DL:128.846



Fill - 19.920 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:624+900 - 625+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.:** 235

Ch:625+050
GL:127.931
DL:128.905



Fill - 18.970 m2

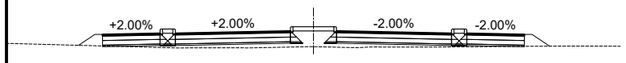
Ch:625+060
GL:127.966
DL:128.965

Cut - 0.211 m2
Fill - 8.732 m2

Ch:625+070
GL:128.025
DL:129.024

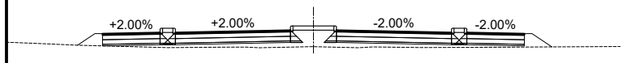
Cut - 0.473 m2
Fill - 7.963 m2

Ch:625+080
GL:128.060
DL:129.084



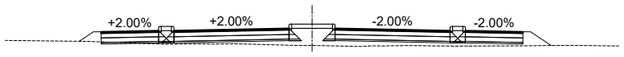
Cut - 0.035 m2
Fill - 9.093 m2

Ch:625+090
GL:128.067
DL:129.143



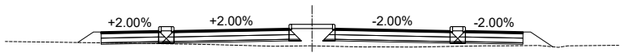
Cut - 0.000 m2
Fill - 10.827 m2

Ch:625+100
GL:128.086
DL:129.198



Cut - 0.179 m2
Fill - 10.091 m2

Ch:625+110
GL:128.121
DL:129.248

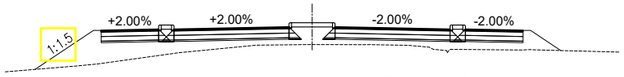


Cut - 0.127 m2
Fill - 10.782 m2

Ch:625+120
GL:128.124
DL:129.293

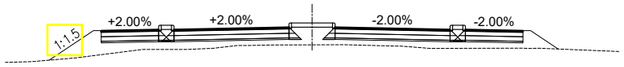
Cut - 0.747 m2
Fill - 12.836 m2

Ch:625+130
GL:128.187
DL:129.334



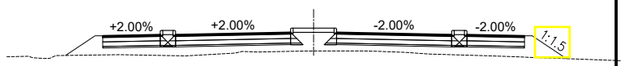
Fill - 25.475 m2

Ch:625+140
GL:128.219
DL:129.370



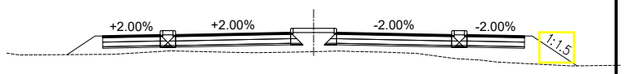
Fill - 19.613 m2

Ch:625+150
GL:128.187
DL:129.402



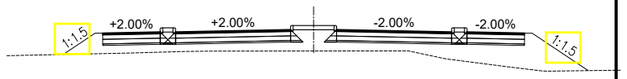
Fill - 20.551 m2

Ch:625+160
GL:128.184
DL:129.429



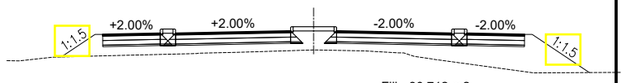
Fill - 22.152 m2

Ch:625+170
GL:128.067
DL:129.452



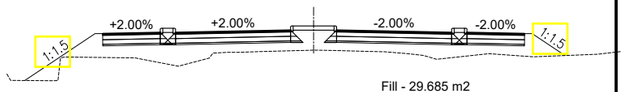
Fill - 29.809 m2

Ch:625+180
GL:128.233
DL:129.470



Fill - 30.712 m2

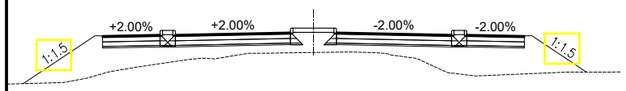
Ch:625+190
GL:128.180
DL:129.483



Fill - 29.685 m2

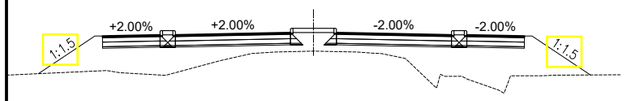
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:625+050 - 625+190	**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.:** 236

Ch:625+200
GL:128.179
DL:129.492



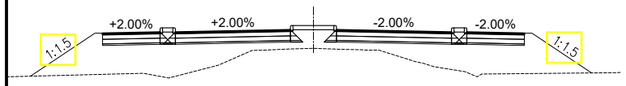
Fill - 43.721 m2

Ch:625+210
GL:128.285
DL:129.496



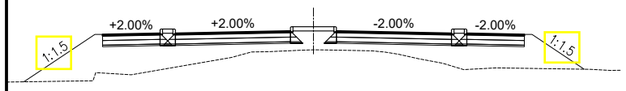
Fill - 49.049 m2

Ch:625+220
GL:128.287
DL:129.498



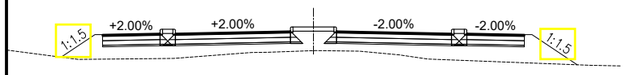
Fill - 50.998 m2

Ch:625+230
GL:128.272
DL:129.500



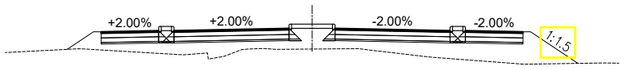
Fill - 44.373 m2

Ch:625+240
GL:128.233
DL:129.502



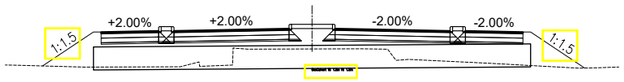
Fill - 29.428 m2

Ch:625+250
GL:128.154
DL:129.503



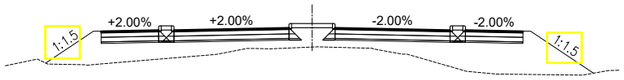
Fill - 29.691 m2

Ch:625+260
GL:128.175
DL:129.505



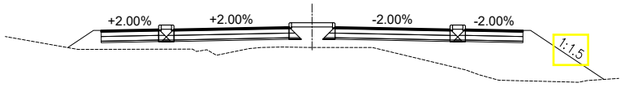
Fill - 41.852 m2

Ch:625+270
GL:128.250
DL:129.507



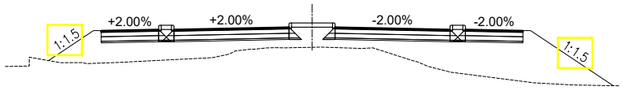
Fill - 42.959 m2

Ch:625+280
GL:128.173
DL:129.509



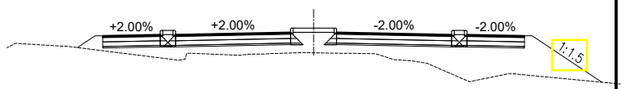
Fill - 40.244 m2

Ch:625+290
GL:128.198
DL:129.511



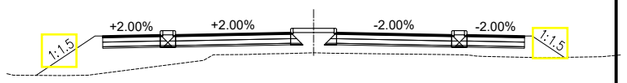
Fill - 50.609 m2

Ch:625+300
GL:128.180
DL:129.513



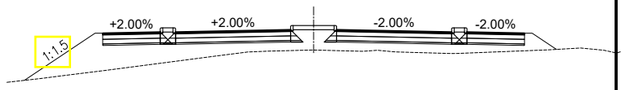
Fill - 35.639 m2

Ch:625+310
GL:128.198
DL:129.515



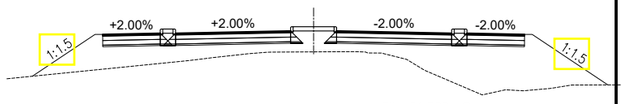
Fill - 31.447 m2

Ch:625+320
GL:128.197
DL:129.517



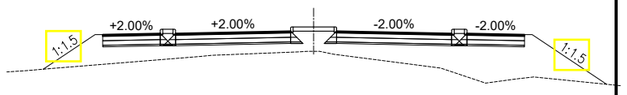
Fill - 32.092 m2

Ch:625+330
GL:128.156
DL:129.519



Fill - 54.592 m2

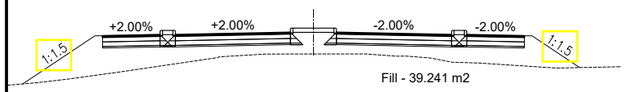
Ch:625+340
GL:128.208
DL:129.521



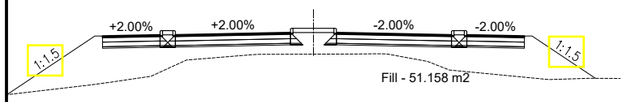
Fill - 45.824 m2

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:625+200 - 625+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.:** 237

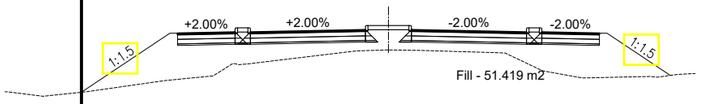
Ch:625+350
GL:128.113
DL:129.523



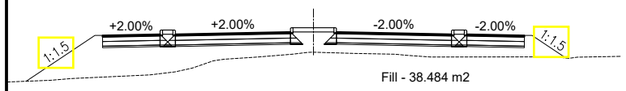
Ch:625+360
GL:128.116
DL:129.525



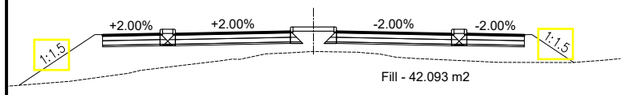
Ch:625+370
GL:128.210
DL:129.527



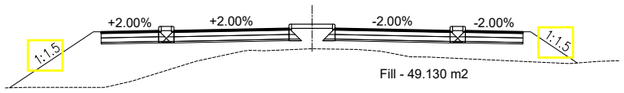
Ch:625+380
GL:128.206
DL:129.529



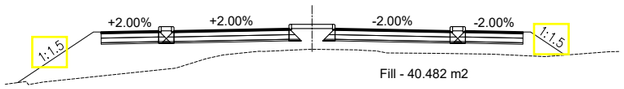
Ch:625+390
GL:128.205
DL:129.531



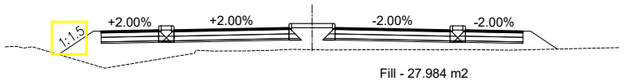
Ch:625+400
GL:128.201
DL:129.533



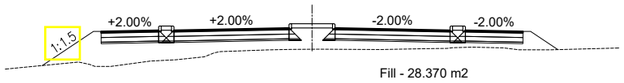
Ch:625+410
GL:128.183
DL:129.534



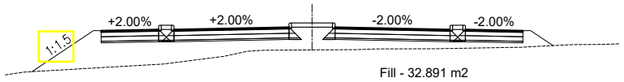
Ch:625+420
GL:128.111
DL:129.536



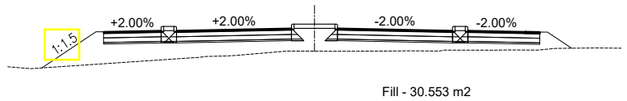
Ch:625+430
GL:128.151
DL:129.538



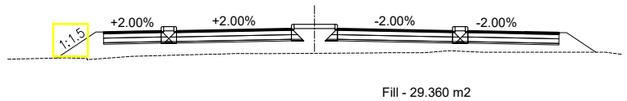
Ch:625+440
GL:128.057
DL:129.540



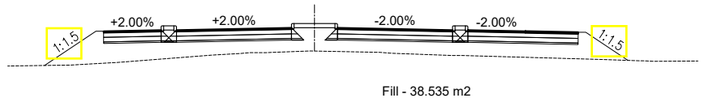
Ch:625+450
GL:128.054
DL:129.542



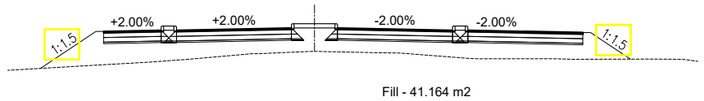
Ch:625+460
GL:127.926
DL:129.542



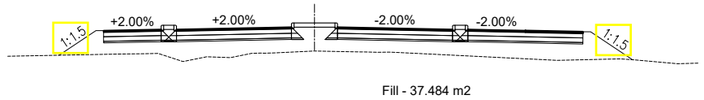
Ch:625+470
GL:128.023
DL:129.540



Ch:625+480
GL:128.010
DL:129.537

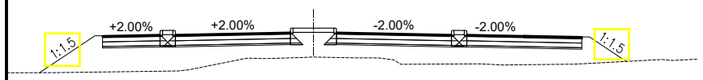


Ch:625+490
GL:127.978
DL:129.533



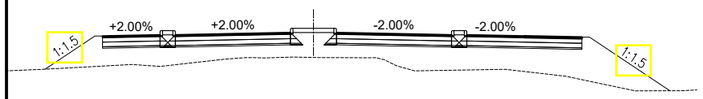
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:625+350 - 625+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.:** 238

Ch:625+500
GL:127.920
DL:129.530



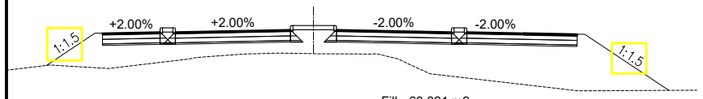
Fill - 46.412 m2

Ch:625+510
GL:127.903
DL:129.526



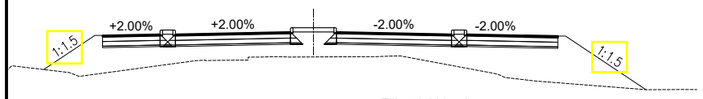
Fill - 53.985 m2

Ch:625+520
GL:127.962
DL:129.522



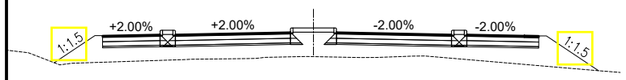
Fill - 63.821 m2

Ch:625+530
GL:127.890
DL:129.518



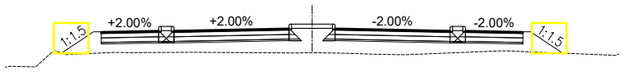
Fill - 53.603 m2

Ch:625+540
GL:127.921
DL:129.514



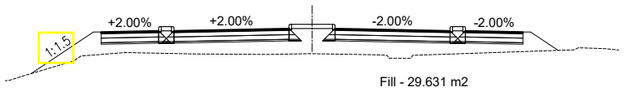
Fill - 34.946 m2

Ch:625+550
GL:127.925
DL:129.510



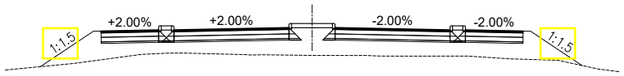
Fill - 26.592 m2

Ch:625+560
GL:127.869
DL:129.507



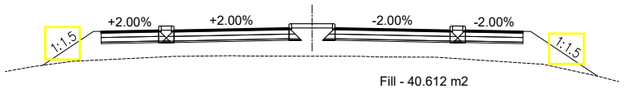
Fill - 29.631 m2

Ch:625+570
GL:127.701
DL:129.503



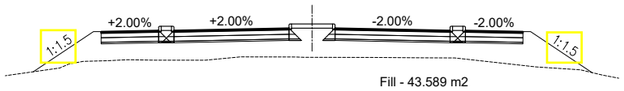
Fill - 36.419 m2

Ch:625+580
GL:127.659
DL:129.499



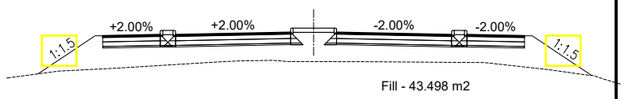
Fill - 40.612 m2

Ch:625+590
GL:127.595
DL:129.495



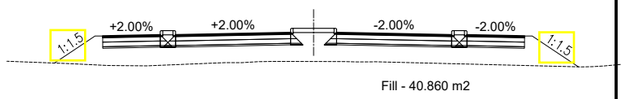
Fill - 43.589 m2

Ch:625+600
GL:127.578
DL:129.486



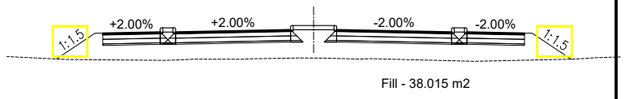
Fill - 43.498 m2

Ch:625+610
GL:127.579
DL:129.466



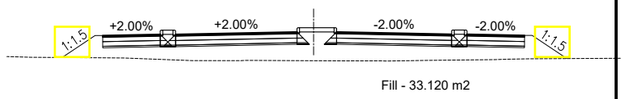
Fill - 40.860 m2

Ch:625+620
GL:127.591
DL:129.435



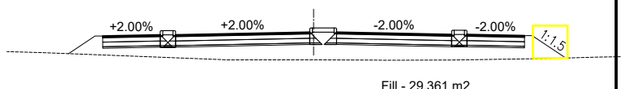
Fill - 38.015 m2

Ch:625+630
GL:127.519
DL:129.393



Fill - 33.120 m2

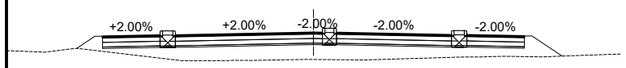
Ch:625+640
GL:127.535
DL:129.340



Fill - 29.361 m2

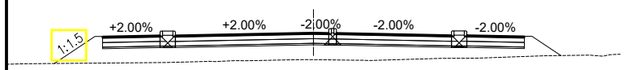
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:625+500 - 625+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.:** 239

Ch:625+650
GL:127.507
DL:129.275



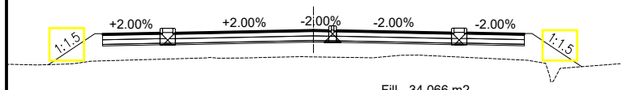
Fill - 25.640 m2

Ch:625+660
GL:127.432
DL:129.200



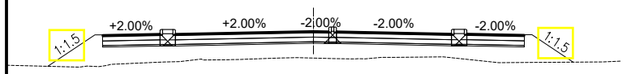
Fill - 29.980 m2

Ch:625+670
GL:127.345
DL:129.113



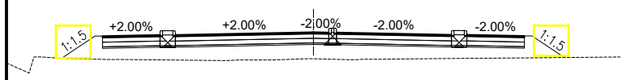
Fill - 34.066 m2

Ch:625+680
GL:127.249
DL:129.016



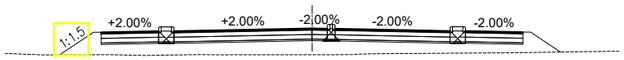
Fill - 34.553 m2

Ch:625+690
GL:127.174
DL:128.907



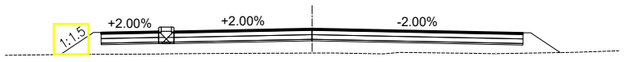
Fill - 28.676 m2

Ch:625+700
GL:127.066
DL:128.787



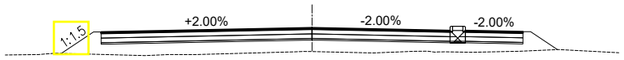
Fill - 26.132 m2

Ch:625+710
GL:127.062
DL:128.658



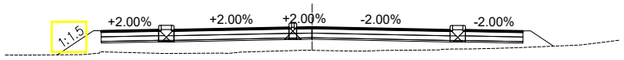
Fill - 23.440 m2

Ch:625+720
GL:126.975
DL:128.526



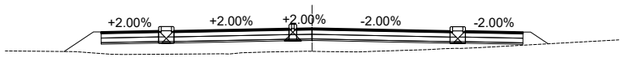
Fill - 23.752 m2

Ch:625+730
GL:126.872
DL:128.395



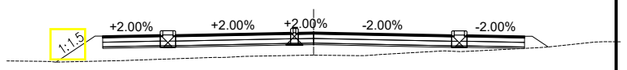
Fill - 22.426 m2

Ch:625+740
GL:126.754
DL:128.263



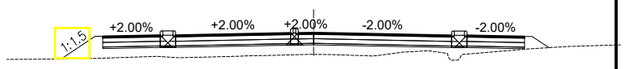
Fill - 19.967 m2

Ch:625+750
GL:126.645
DL:128.132



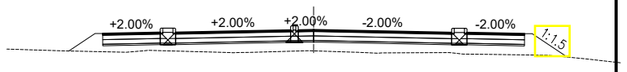
Cut - 0.001 m2
Fill - 20.093 m2

Ch:625+760
GL:126.578
DL:128.001



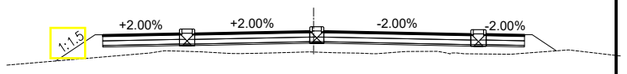
Fill - 18.800 m2

Ch:625+770
GL:126.494
DL:127.869



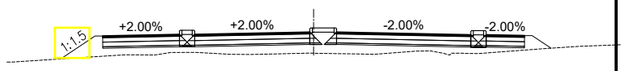
Fill - 19.708 m2

Ch:625+780
GL:126.365
DL:127.738



Fill - 19.408 m2

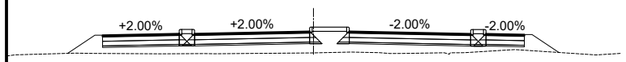
Ch:625+790
GL:126.235
DL:127.607



Fill - 18.146 m2

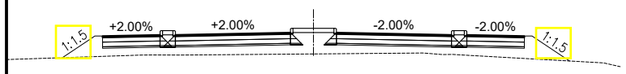
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:625+650 - 625+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.:** 240

Ch:625+800
GL:126.072
DL:127.475



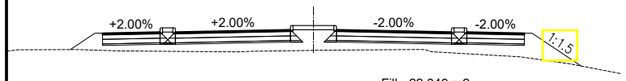
Fill - 19.761 m2

Ch:625+810
GL:125.949
DL:127.344



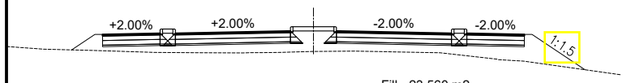
Fill - 22.806 m2

Ch:625+820
GL:125.872
DL:127.213



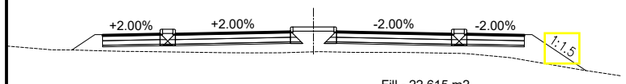
Fill - 22.349 m2

Ch:625+830
GL:125.746
DL:127.081



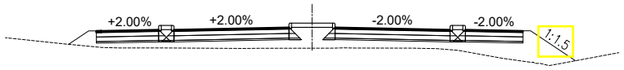
Fill - 23.560 m2

Ch:625+840
GL:125.605
DL:126.950



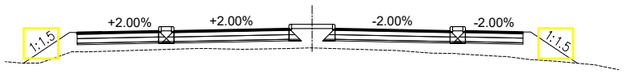
Fill - 22.615 m2

Ch:625+850
GL:125.459
DL:126.818



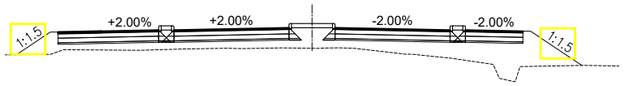
Fill - 23.650 m2

Ch:625+860
GL:125.426
DL:126.687



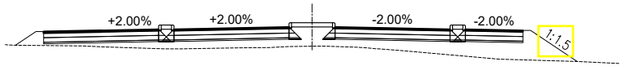
Fill - 25.536 m2

Ch:625+870
GL:125.215
DL:126.556



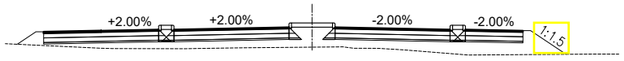
Fill - 32.160 m2

Ch:625+880
GL:125.169
DL:126.424



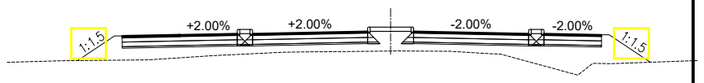
Fill - 25.513 m2

Ch:625+890
GL:124.990
DL:126.293



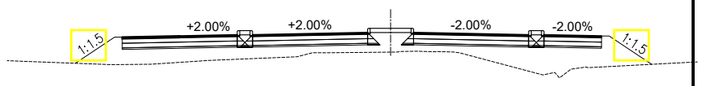
Fill - 23.131 m2

Ch:625+900
GL:124.876
DL:126.162



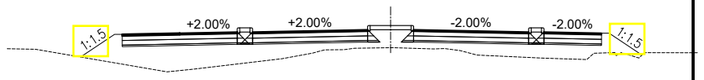
Fill - 31.190 m2

Ch:625+910
GL:124.755
DL:126.030



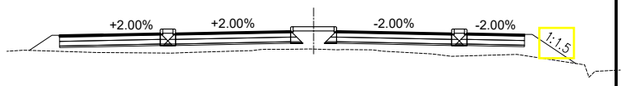
Fill - 36.681 m2

Ch:625+920
GL:124.730
DL:125.899



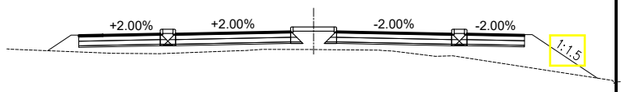
Fill - 35.854 m2

Ch:625+930
GL:124.588
DL:125.768



Fill - 21.335 m2

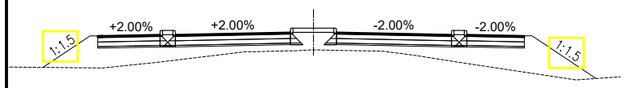
Ch:625+940
GL:124.437
DL:125.636



Fill - 25.855 m2

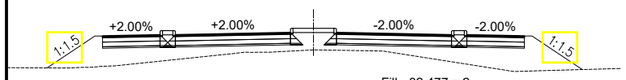
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:625+800 - 625+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.:** 241

Ch:625+950
GL:124.371
DL:125.509



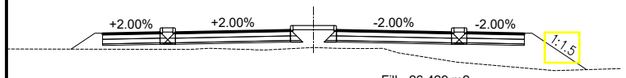
Fill - 34.983 m2

Ch:625+960
GL:124.255
DL:125.386



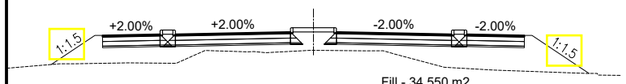
Fill - 32.477 m2

Ch:625+970
GL:124.113
DL:125.269



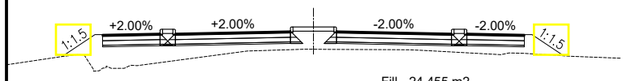
Fill - 26.429 m2

Ch:625+980
GL:123.961
DL:125.156



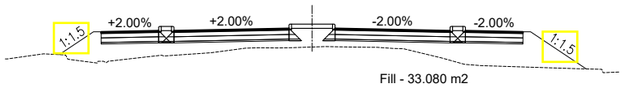
Fill - 34.550 m2

Ch:625+990
GL:123.870
DL:125.049



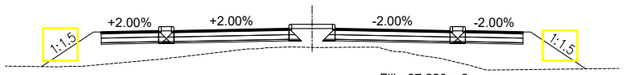
Fill - 24.455 m2

Ch:626+000
GL:123.726
DL:124.943



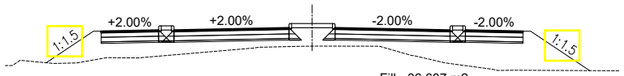
Fill - 33.080 m2

Ch:626+010
GL:123.609
DL:124.837



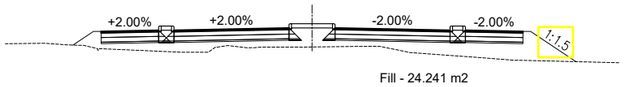
Fill - 37.220 m2

Ch:626+020
GL:123.532
DL:124.731



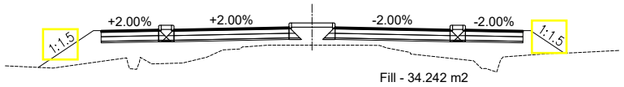
Fill - 36.607 m2

Ch:626+030
GL:123.385
DL:124.625



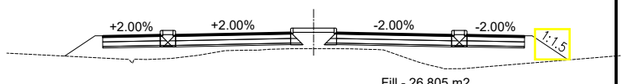
Fill - 24.241 m2

Ch:626+040
GL:123.346
DL:124.519



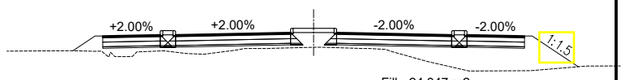
Fill - 34.242 m2

Ch:626+050
GL:123.347
DL:124.413



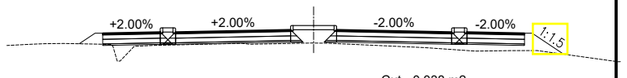
Fill - 26.805 m2

Ch:626+060
GL:123.347
DL:124.307



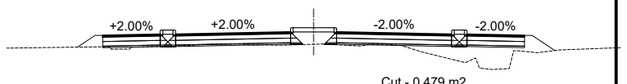
Fill - 24.847 m2

Ch:626+070
GL:123.334
DL:124.201



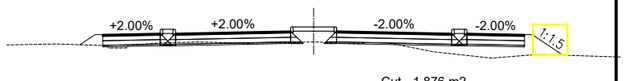
Cut - 0.038 m2
Fill - 10.720 m2

Ch:626+080
GL:123.294
DL:124.095



Cut - 0.479 m2
Fill - 12.158 m2

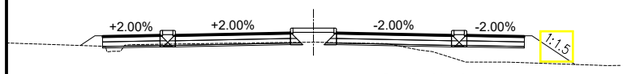
Ch:626+090
GL:123.286
DL:123.989



Cut - 1.876 m2
Fill - 10.257 m2

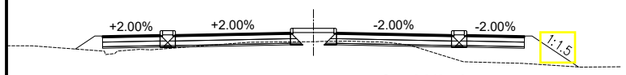
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:625+950 - 626+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.:** 242

Ch:626+100
GL:123.240
DL:123.883



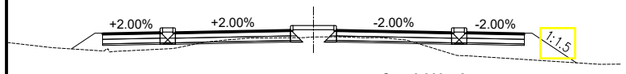
Cut - 2.761 m2
Fill - 13.036 m2

Ch:626+110
GL:123.181
DL:123.777



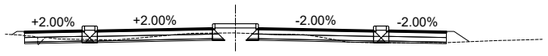
Cut - 2.649 m2
Fill - 14.301 m2

Ch:626+120
GL:123.200
DL:123.671



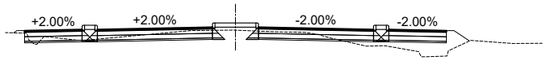
Cut - 3.909 m2
Fill - 14.391 m2

Ch:626+130
GL:123.242
DL:123.565



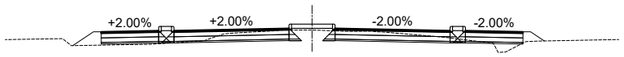
Cut - 6.998 m2
Fill - 4.218 m2

Ch:626+140
GL:123.262
DL:123.459



Cut - 8.214 m2
Fill - 7.758 m2

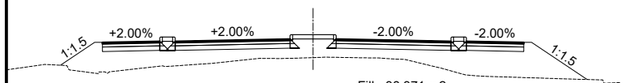
Ch:626+148.37
GL:123.265
DL:123.370



Cut - 9.718 m2
Fill - 5.854 m2

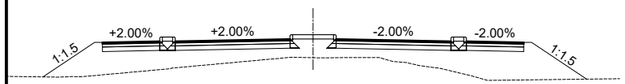
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:626+100 - 626+148.37	**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.:** 243

Ch:626+000
GL:123.726
DL:124.943



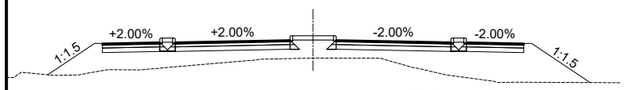
Fill - 38.371 m2

Ch:626+010
GL:123.609
DL:124.830



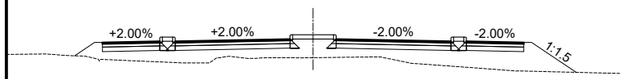
Fill - 42.614 m2

Ch:626+020
GL:123.532
DL:124.717



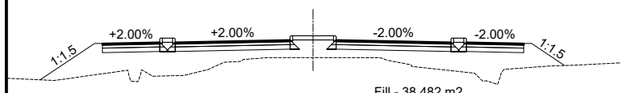
Fill - 41.307 m2

Ch:626+030
GL:123.385
DL:124.604



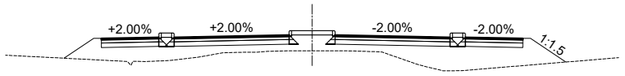
Fill - 28.750 m2

Ch:626+040
GL:123.346
DL:124.491



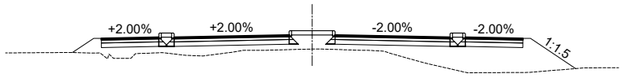
Fill - 38.482 m2

Ch:626+050
GL:123.347
DL:124.379



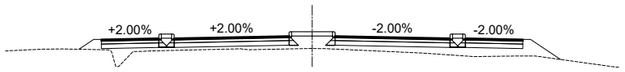
Fill - 30.860 m2

Ch:626+060
GL:123.347
DL:124.266



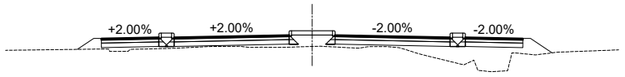
Fill - 28.672 m2

Ch:626+070
GL:123.334
DL:124.153



Fill - 14.346 m2

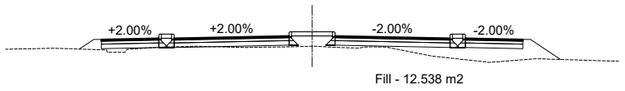
Ch:626+080
GL:123.294
DL:124.043



Fill - 15.236 m2

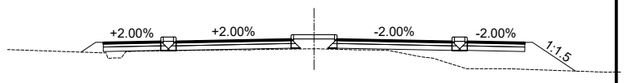
Ch:626+090
GL:123.286
DL:123.952

Cut - 0.139 m2



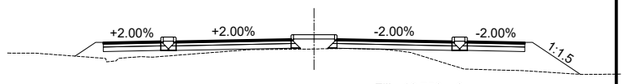
Fill - 12.538 m2

Ch:626+100
GL:123.240
DL:123.883



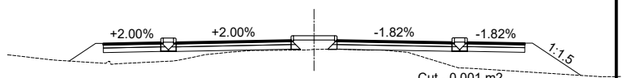
Fill - 15.480 m2

Ch:626+110
GL:123.181
DL:123.837



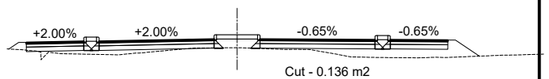
Fill - 18.756 m2

Ch:626+120
GL:123.199
DL:123.813



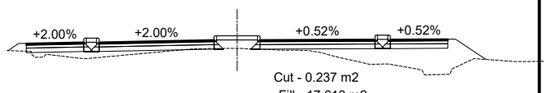
Cut - 0.001 m2
Fill - 20.523 m2

Ch:626+130
GL:123.244
DL:123.809



Cut - 0.136 m2
Fill - 11.093 m2

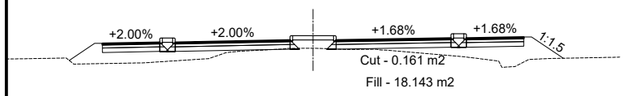
Ch:626+140
GL:123.265
DL:123.807



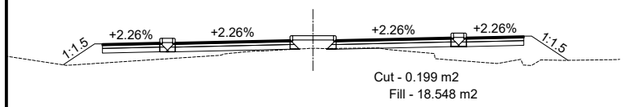
Cut - 0.237 m2
Fill - 17.613 m2

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:626+000 - 626+140	**SCALE:** 1:400		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 244
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

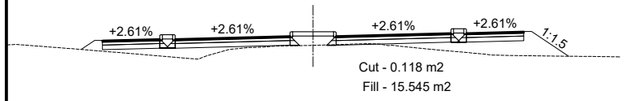
Ch:626+150
GL:123.266
DL:123.805



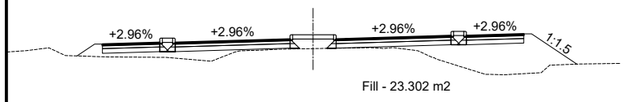
Ch:626+160
GL:123.261
DL:123.803



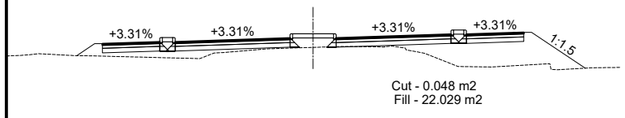
Ch:626+170
GL:123.188
DL:123.801



Ch:626+180
GL:123.171
DL:123.799

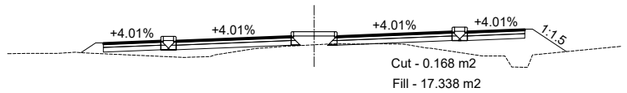


Ch:626+190
GL:123.188
DL:123.798

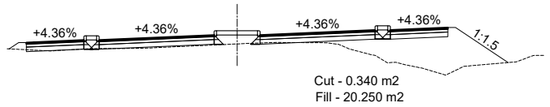


Ch:626+200
GL:123.173
DL:123.796

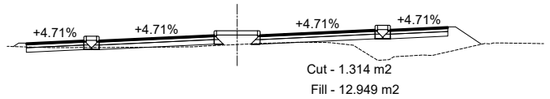
Ch:626+210
GL:123.217
DL:123.794



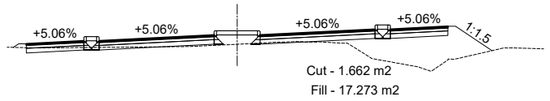
Ch:626+220
GL:123.208
DL:123.792



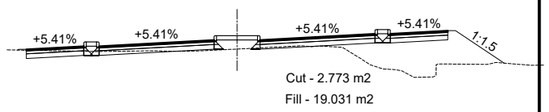
Ch:626+230
GL:123.168
DL:123.790



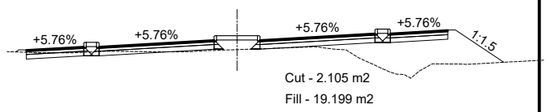
Ch:626+240
GL:123.185
DL:123.789



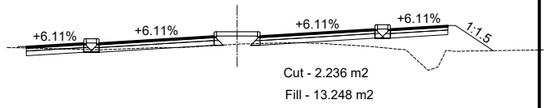
Ch:626+250
GL:123.192
DL:123.787



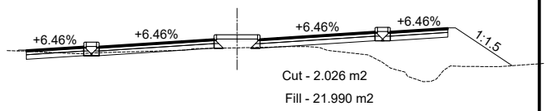
Ch:626+260
GL:123.156
DL:123.785



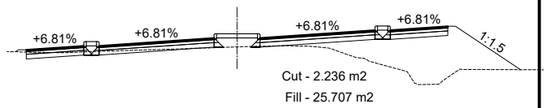
Ch:626+270
GL:123.247
DL:123.783



Ch:626+280
GL:123.206
DL:123.781

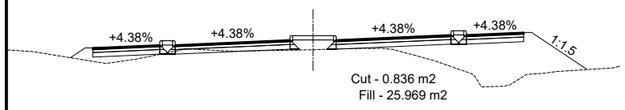


Ch:626+290
GL:123.200
DL:123.780

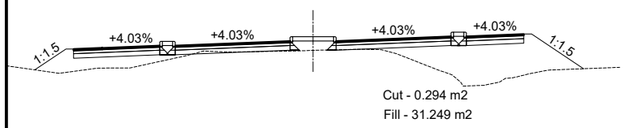


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:626+150 - 626+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.:** 245

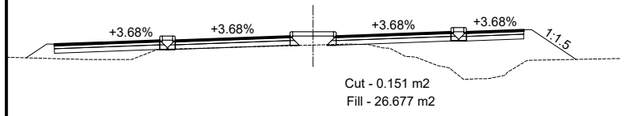
Ch:626+300
GL:123.137
DL:123.778



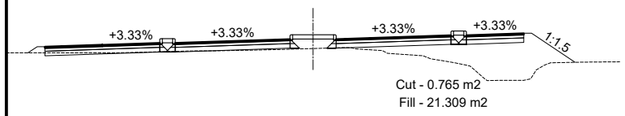
Ch:626+310
GL:123.166
DL:123.776



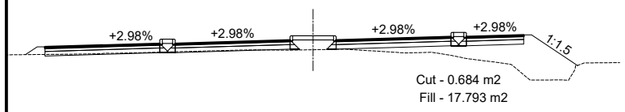
Ch:626+320
GL:123.182
DL:123.774



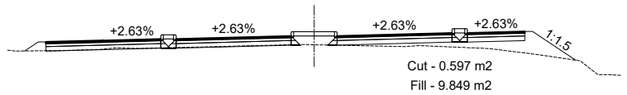
Ch:626+330
GL:123.152
DL:123.772



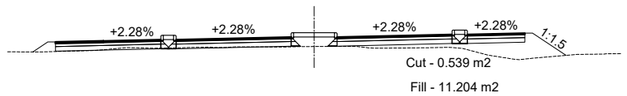
Ch:626+340
GL:123.135
DL:123.770



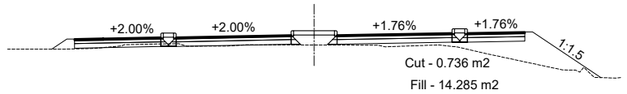
Ch:626+350
GL:123.193
DL:123.769



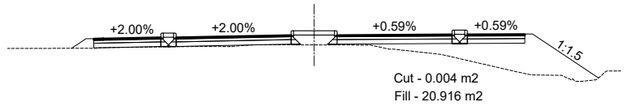
Ch:626+360
GL:123.143
DL:123.767



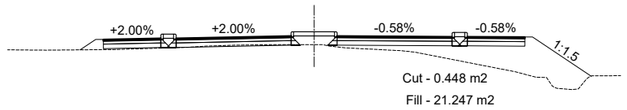
Ch:626+370
GL:123.112
DL:123.765



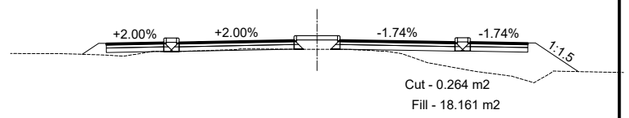
Ch:626+380
GL:123.117
DL:123.763



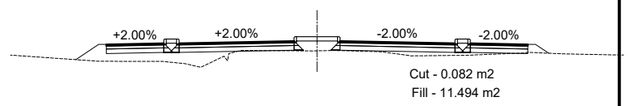
Ch:626+390
GL:123.200
DL:123.761



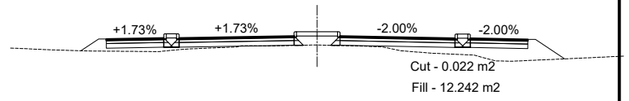
Ch:626+400
GL:123.149
DL:123.760



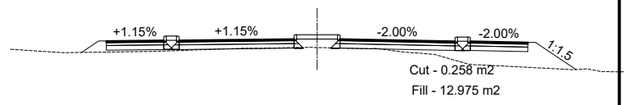
Ch:626+410
GL:123.105
DL:123.749



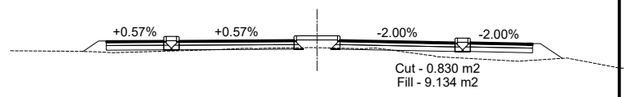
Ch:626+420
GL:123.130
DL:123.719



Ch:626+430
GL:123.115
DL:123.671

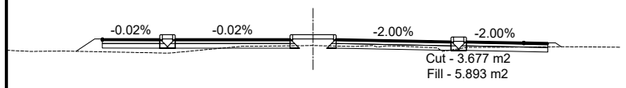


Ch:626+440
GL:123.105
DL:123.605

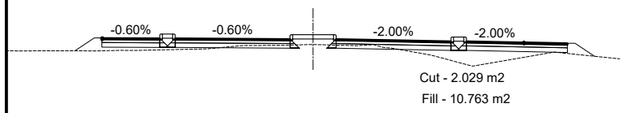


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:626+300 - 626+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.:** 246

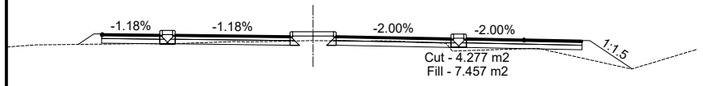
Ch:626+450
GL:123.091
DL:123.522



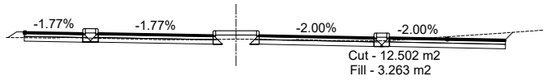
Ch:626+460
GL:123.071
DL:123.436



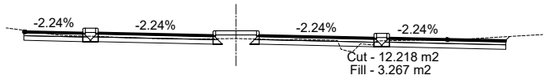
Ch:626+470
GL:123.049
DL:123.351



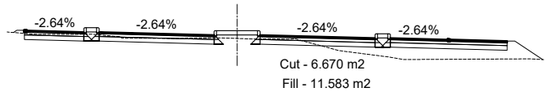
Ch:626+480
GL:122.999
DL:123.266



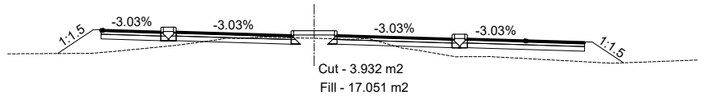
Ch:626+490
GL:122.948
DL:123.180



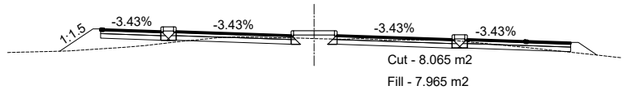
Ch:626+500
GL:122.868
DL:123.095



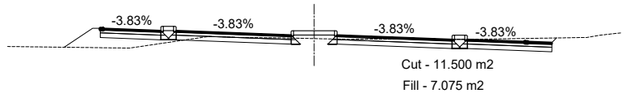
Ch:626+510
GL:122.795
DL:123.009



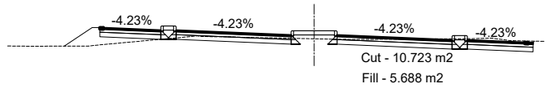
Ch:626+520
GL:122.689
DL:122.924



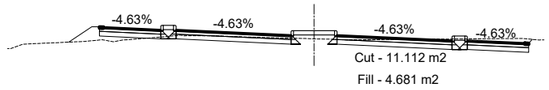
Ch:626+530
GL:122.604
DL:122.838



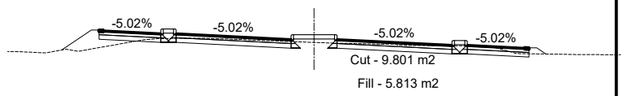
Ch:626+540
GL:122.506
DL:122.753



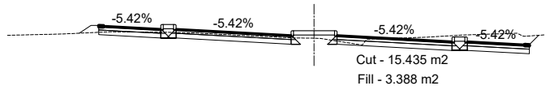
Ch:626+550
GL:122.413
DL:122.668



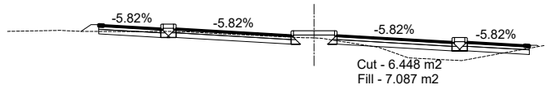
Ch:626+560
GL:122.354
DL:122.582



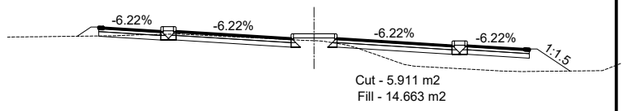
Ch:626+570
GL:122.295
DL:122.506



Ch:626+580
GL:122.258
DL:122.447

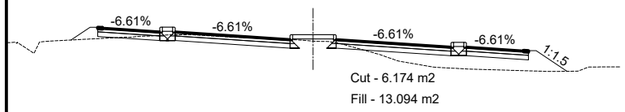


Ch:626+590
GL:122.231
DL:122.405

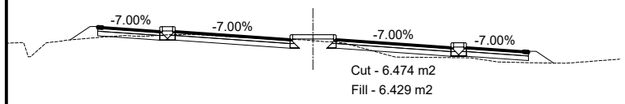


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:626+450 - 626+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.:** 247

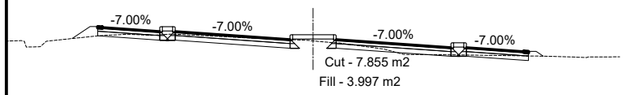
Ch:626+600
GL:122.237
DL:122.380



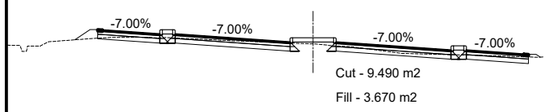
Ch:626+610
GL:122.261
DL:122.373



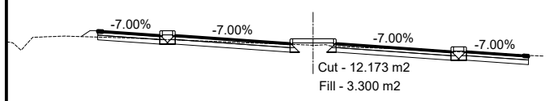
Ch:626+620
GL:122.260
DL:122.382



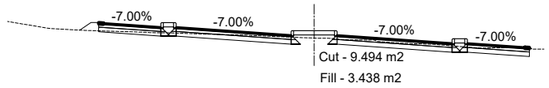
Ch:626+630
GL:122.287
DL:122.399



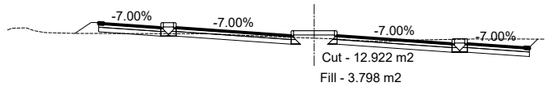
Ch:626+640
GL:122.273
DL:122.417



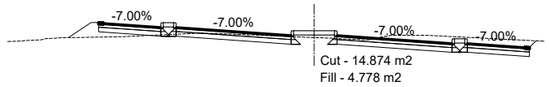
Ch:626+650
GL:122.231
DL:122.434



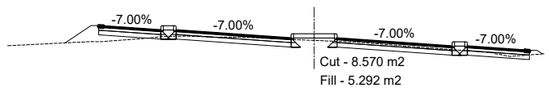
Ch:626+660
GL:122.241
DL:122.451



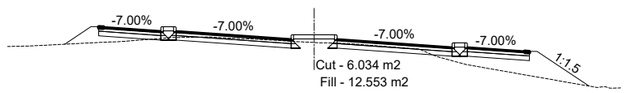
Ch:626+670
GL:122.301
DL:122.468



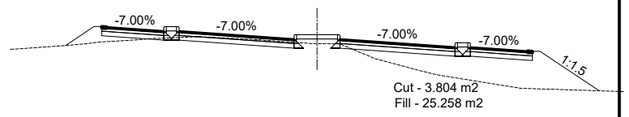
Ch:626+680
GL:122.331
DL:122.486



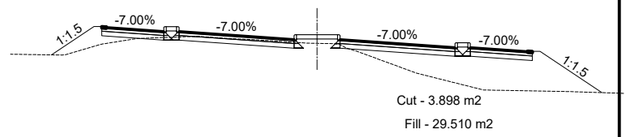
Ch:626+690
GL:122.274
DL:122.503



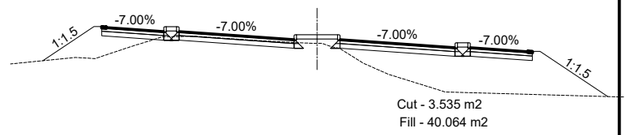
Ch:626+700
GL:122.212
DL:122.520



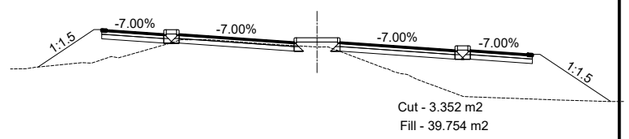
Ch:626+710
GL:122.252
DL:122.538



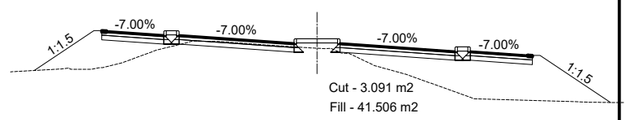
Ch:626+720
GL:122.268
DL:122.555



Ch:626+730
GL:122.253
DL:122.572

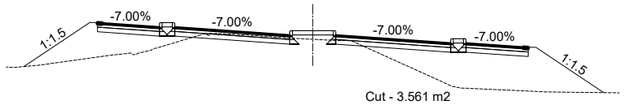


Ch:626+740
GL:122.247
DL:122.589



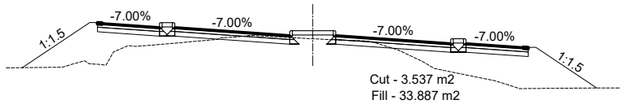
Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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:626+600 - 626+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.:** 248

Ch:626+750
GL:122.322
DL:122.607



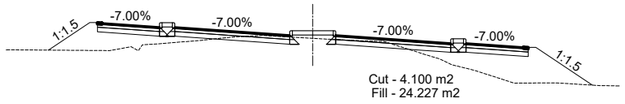
Cut - 3.561 m2
Fill - 40.825 m2

Ch:626+760
GL:122.377
DL:122.624



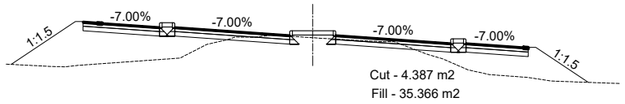
Cut - 3.537 m2
Fill - 33.887 m2

Ch:626+770
GL:122.422
DL:122.641



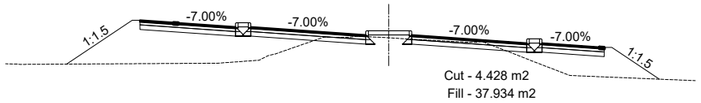
Cut - 4.100 m2
Fill - 24.227 m2

Ch:626+780
GL:122.480
DL:122.658



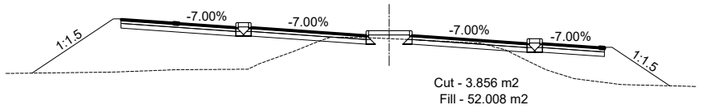
Cut - 4.387 m2
Fill - 35.366 m2

Ch:626+790
GL:122.496
DL:122.676



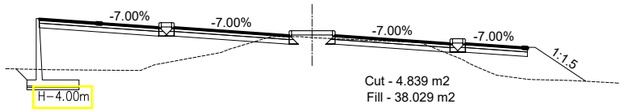
Cut - 4.428 m2
Fill - 37.934 m2

Ch:626+800
GL:122.452
DL:122.693



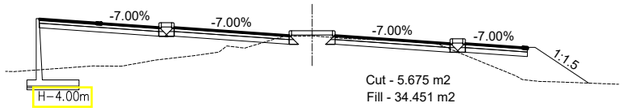
Cut - 3.856 m2
Fill - 52.008 m2

Ch:626+810
GL:122.537
DL:122.710



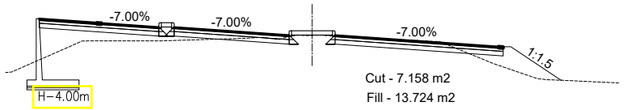
Cut - 4.839 m2
Fill - 38.029 m2

Ch:626+820
GL:122.662
DL:122.727



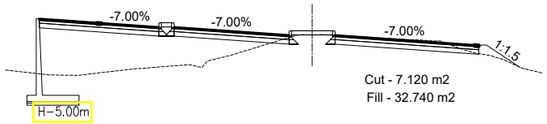
Cut - 5.675 m2
Fill - 34.451 m2

Ch:626+830
GL:122.717
DL:122.745



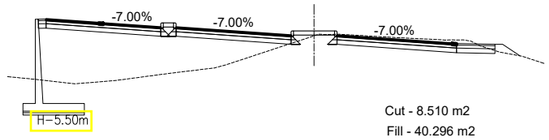
Cut - 7.158 m2
Fill - 13.724 m2

Ch:626+840
GL:122.773
DL:122.763



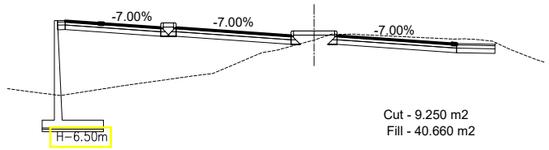
Cut - 7.120 m2
Fill - 32.740 m2

Ch:626+850
GL:122.751
DL:122.798



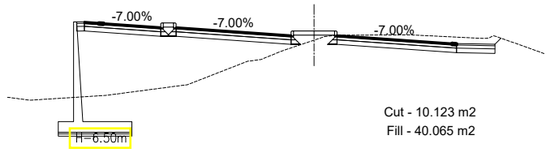
Cut - 8.510 m2
Fill - 40.296 m2

Ch:626+860
GL:122.535
DL:122.854



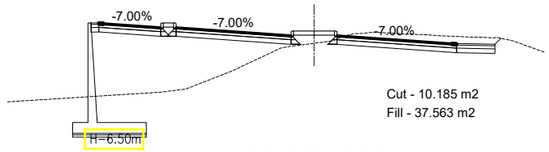
Cut - 9.250 m2
Fill - 40.660 m2

Ch:626+870
GL:122.603
DL:122.930



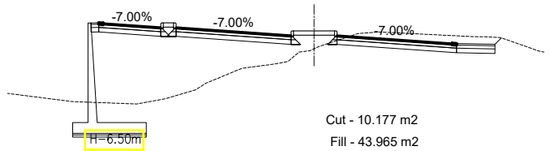
Cut - 10.123 m2
Fill - 40.065 m2

Ch:626+880
GL:122.496
DL:123.026



Cut - 10.185 m2
Fill - 37.563 m2

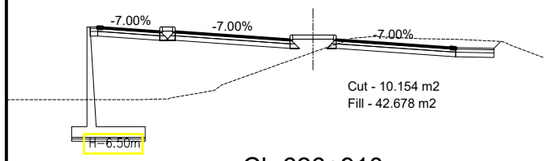
Ch:626+890
GL:122.257
DL:123.144



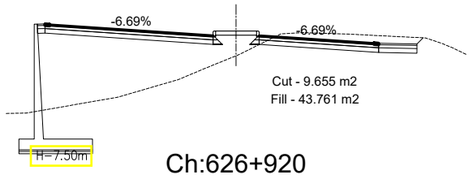
Cut - 10.177 m2
Fill - 43.965 m2

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:626+750 - 626+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.:** 249

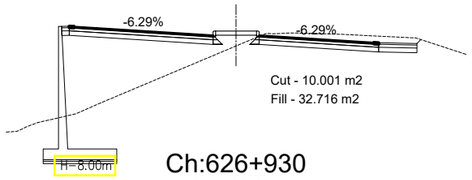
Ch:626+900
GL:122.434
DL:123.281



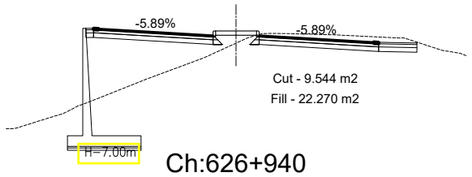
Ch:626+910
GL:122.098
DL:123.440



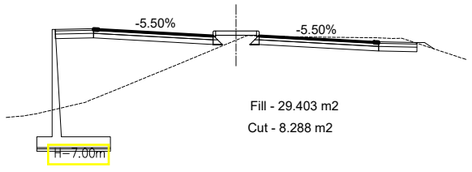
Ch:626+920
GL:122.918
DL:123.617



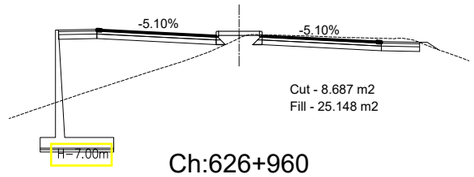
Ch:626+930
GL:123.284
DL:123.799



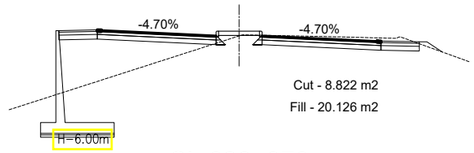
Ch:626+940
GL:123.658
DL:123.978



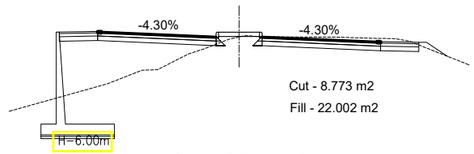
Ch:626+950
GL:123.964
DL:124.145



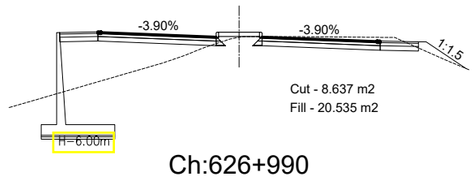
Ch:626+960
GL:124.268
DL:124.301



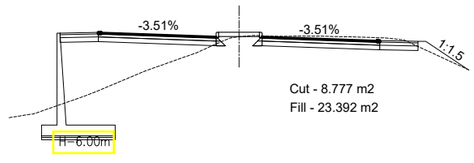
Ch:626+970
GL:124.411
DL:124.445



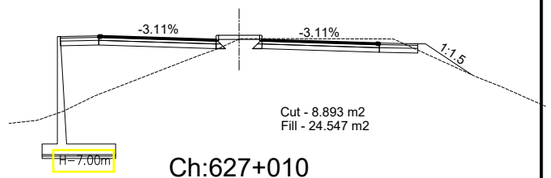
Ch:626+980
GL:124.520
DL:124.577



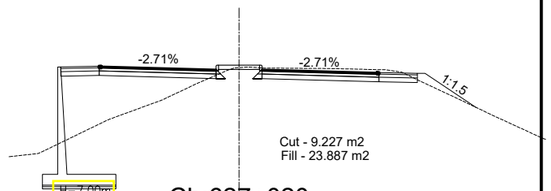
Ch:626+990
GL:124.672
DL:124.697



Ch:627+000
GL:124.820
DL:124.806

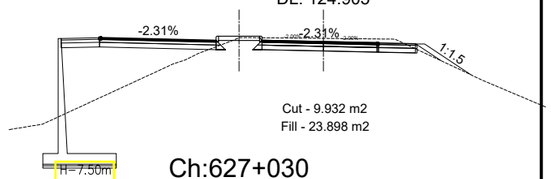


Ch:627+010
GL:125.021
DL:124.902



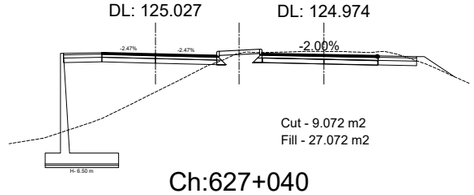
Ch:627+020
GL:125.169
DL:124.988

GL: 125.121
DL: 124.905



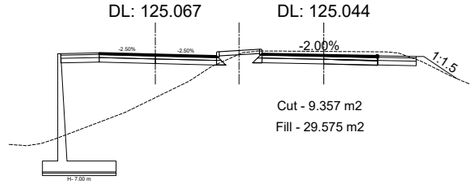
Ch:627+030
GL:125.063
DL:125.061

GL: 122.545 GL: 125.190
DL: 125.027 DL: 124.974



Ch:627+040
GL:125.068
DL:125.123

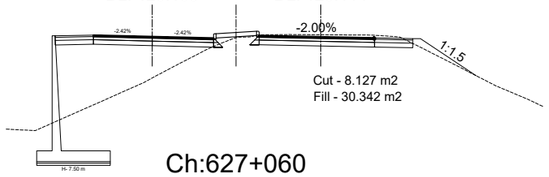
GL: 122.243 GL: 125.257
DL: 125.067 DL: 125.044



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:626+900 - 627+040	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 250
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

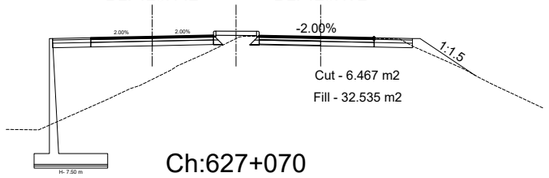
Ch:627+050
GL:125.043
DL:125.172

GL: 122.405 GL: 125.221
DL: 125.108 DL: 125.114



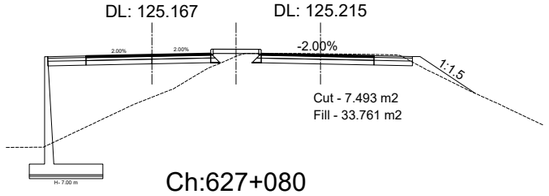
Ch:627+060
GL:125.015
DL:125.211

GL: 122.348 GL: 125.111
DL: 125.142 DL: 125.172



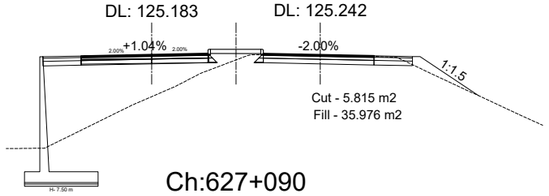
Ch:627+070
GL:125.058
DL:125.237

GL: 122.387 GL: 125.221
DL: 125.167 DL: 125.215



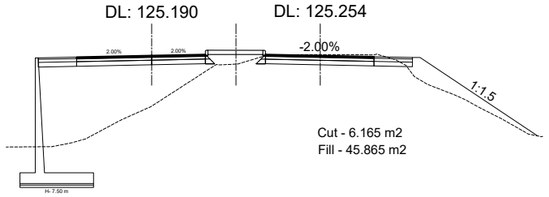
Ch:627+080
GL:124.837
DL:125.252

GL: 122.441 GL: 125.116
DL: 125.183 DL: 125.242



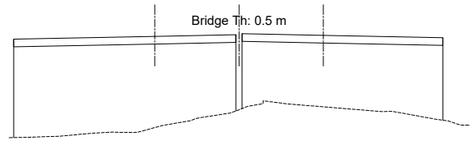
Ch:627+090
GL:124.634
DL:125.255

GL: 121.892 GL: 125.252
DL: 125.190 DL: 125.254



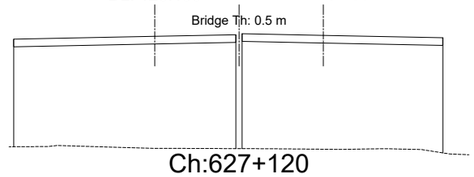
Ch:627+100
GL:120.406
DL:125.255

GL: 119.238 GL: 120.594
DL: 125.190 DL: 125.255



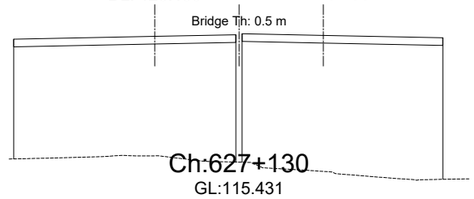
Ch:627+110
GL:117.870
DL:125.255

GL: 117.890 GL: 117.830
DL: 125.190 DL: 125.255



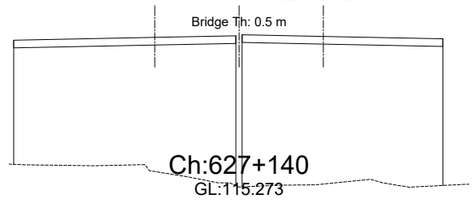
Ch:627+120
GL:116.988
DL:125.255

GL: 117.399 GL: 116.385
DL: 125.190 DL: 125.255



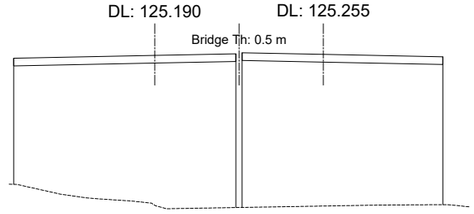
Ch:627+130
GL:115.431
DL:125.255

GL: 116.443 GL: 115.628
DL: 125.190 DL: 125.255



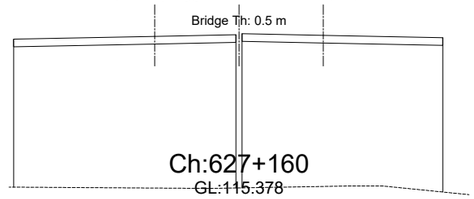
Ch:627+140
GL:115.273
DL:125.255

GL: 115.419 GL: 115.367
DL: 125.190 DL: 125.255



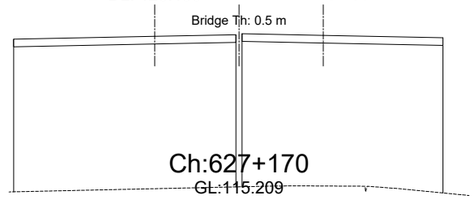
Ch:627+150
GL:115.305
DL:125.255

GL: 115.296 GL: 115.402
DL: 125.190 DL: 125.255



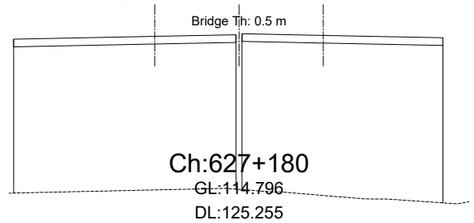
Ch:627+160
GL:115.378
DL:125.255

GL: 115.256 GL: 115.432
DL: 125.190 DL: 125.255



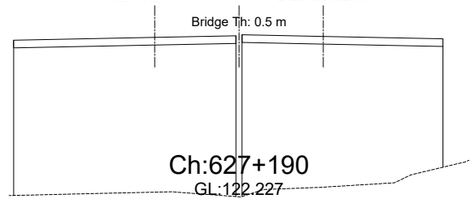
Ch:627+170
GL:115.209
DL:125.255

GL: 115.177 GL: 114.815
DL: 125.190 DL: 125.255



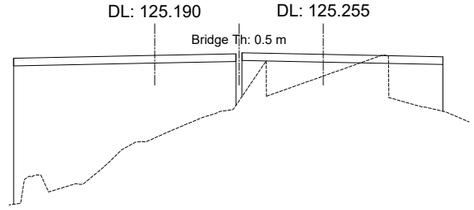
Ch:627+180
GL:114.796
DL:125.255

GL: 115.097 GL: 115.423
DL: 125.190 DL: 125.255



Ch:627+190
GL:122.227
DL:125.255

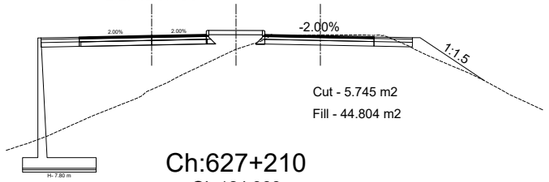
GL: 119.806 GL: 123.844
DL: 125.190 DL: 125.255



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:627+050 - 627+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.:** 251

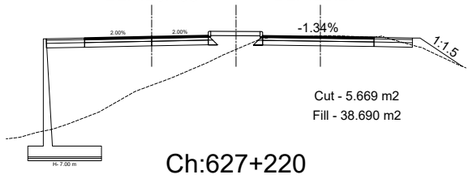
Ch:627+200
GL:124.314
DL:125.255

GL: 121.691 GL: 125.246
DL: 125.190 DL: 125.255



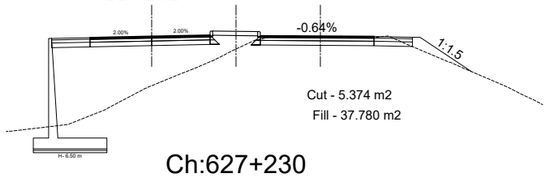
Ch:627+210
GL:124.366
DL:125.255

GL: 122.030 GL: 125.239
DL: 125.198 DL: 125.254



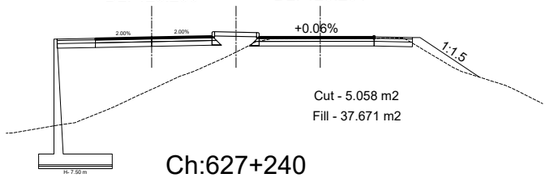
Ch:627+220
GL:124.399
DL:125.255

GL: 121.998 GL: 125.173
DL: 125.215 DL: 125.253



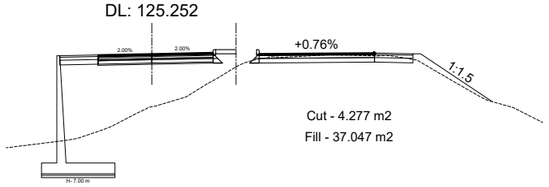
Ch:627+230
GL:124.259
DL:125.255

GL: 121.829 GL: 125.161
DL: 125.233 DL: 125.251

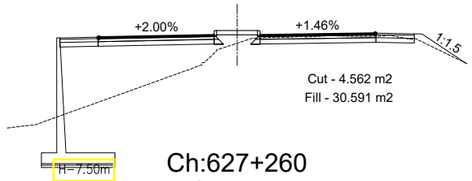


Ch:627+240
GL:124.410
DL:125.254

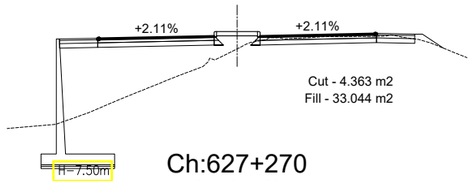
GL: 121.803
DL: 125.252



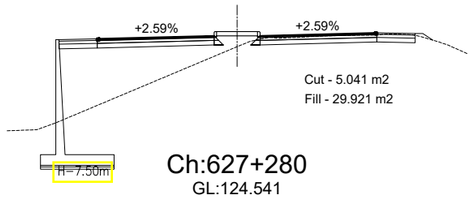
Ch:627+250
GL:124.693
DL:125.245



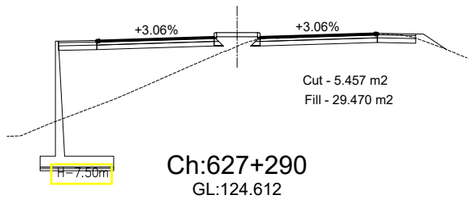
Ch:627+260
GL:124.372
DL:125.226



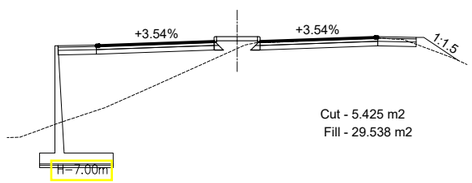
Ch:627+270
GL:124.489
DL:125.199



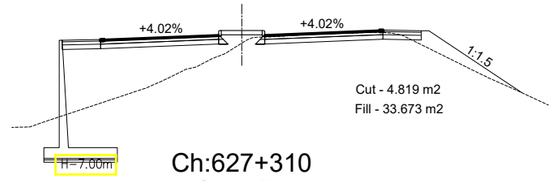
Ch:627+280
GL:124.541
DL:125.162



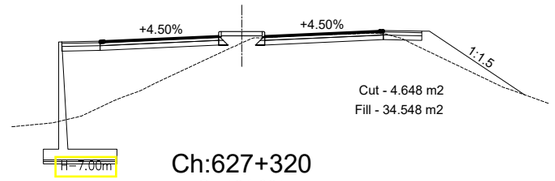
Ch:627+290
GL:124.612
DL:125.116



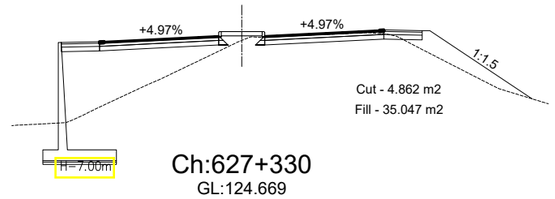
Ch:627+300
GL:124.513
DL:125.062



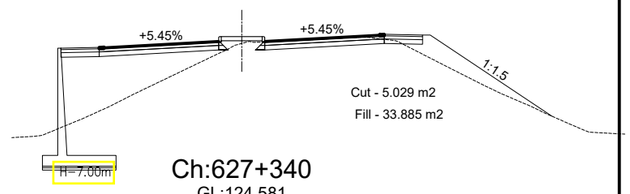
Ch:627+310
GL:124.532
DL:124.997



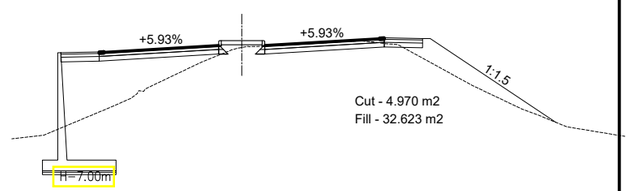
Ch:627+320
GL:124.621
DL:124.924



Ch:627+330
GL:124.669
DL:124.842

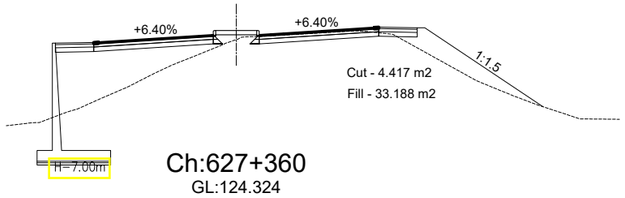


Ch:627+340
GL:124.581
DL:124.751

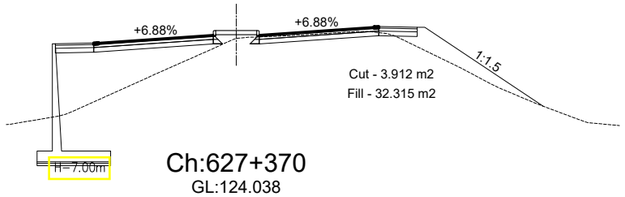


Government of Nepal Ministry of Physical Infrastructure and Transport **Department of Roads** **Project Directorate Office (ADB)** **SASEC Highway Improvement Project-** **Project Preparatory Consultant (SHIP-PPC)** **ADB Loan No: 3722-NEP**	**CONSULTANT:** Soosung Engineering Co. Ltd, Korea in association 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+200 - 627+340	**SCALE:** 1:400 4 0 4 8		**NAME**	**SIGNATURE**	**REV NO.**	**DESCRIPTION**	**DATE:** November, 2022 **DWG.NO.:** 4 **SHEET NO.:** 252
					DESIGNED BY:	S.B. Shrestha				
					CHECKED BY:	P. Upadhyaya				
					APPROVED BY:	Dr. T.H.Choi				

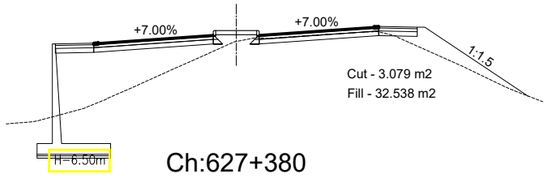
Ch:627+350
GL:124.338
DL:124.660



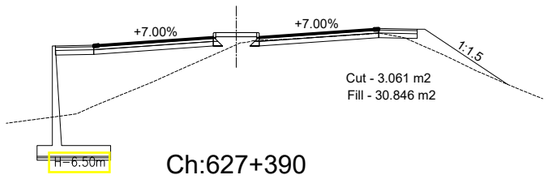
Ch:627+360
GL:124.324
DL:124.568



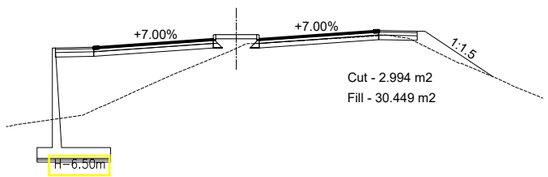
Ch:627+370
GL:124.038
DL:124.477



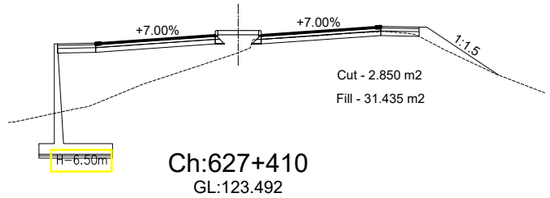
Ch:627+380
GL:123.869
DL:124.385



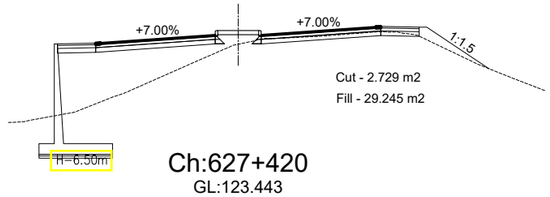
Ch:627+390
GL:123.670
DL:124.293



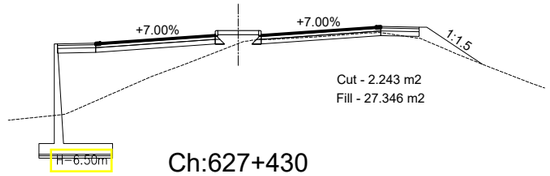
Ch:627+400
GL:123.029
DL:124.202



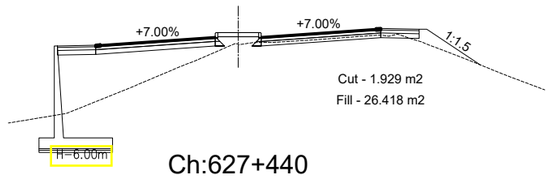
Ch:627+410
GL:123.492
DL:124.110



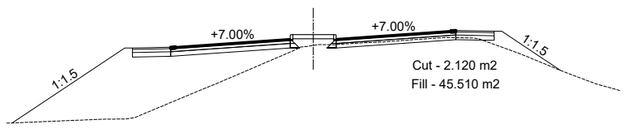
Ch:627+420
GL:123.443
DL:124.019



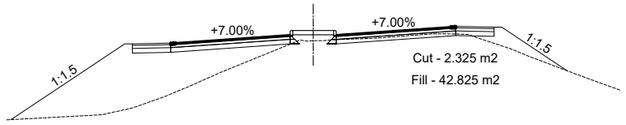
Ch:627+430
GL:123.430
DL:123.927



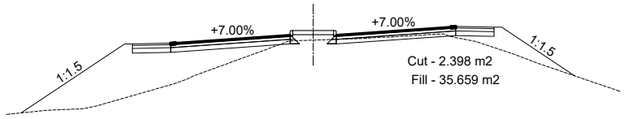
Ch:627+440
GL:123.402
DL:123.835



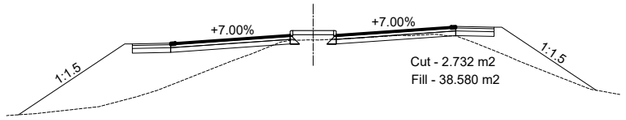
Ch:627+450
GL:123.362
DL:123.744



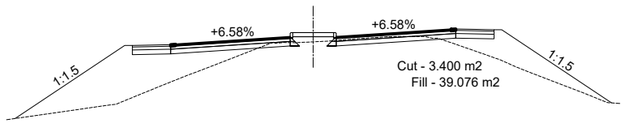
Ch:627+460
GL:123.300
DL:123.652



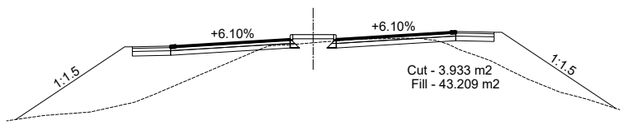
Ch:627+470
GL:123.222
DL:123.561



Ch:627+480
GL:123.139
DL:123.469



Ch:627+490
GL:123.116
DL:123.377



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:627+350 - 627+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.:** 253