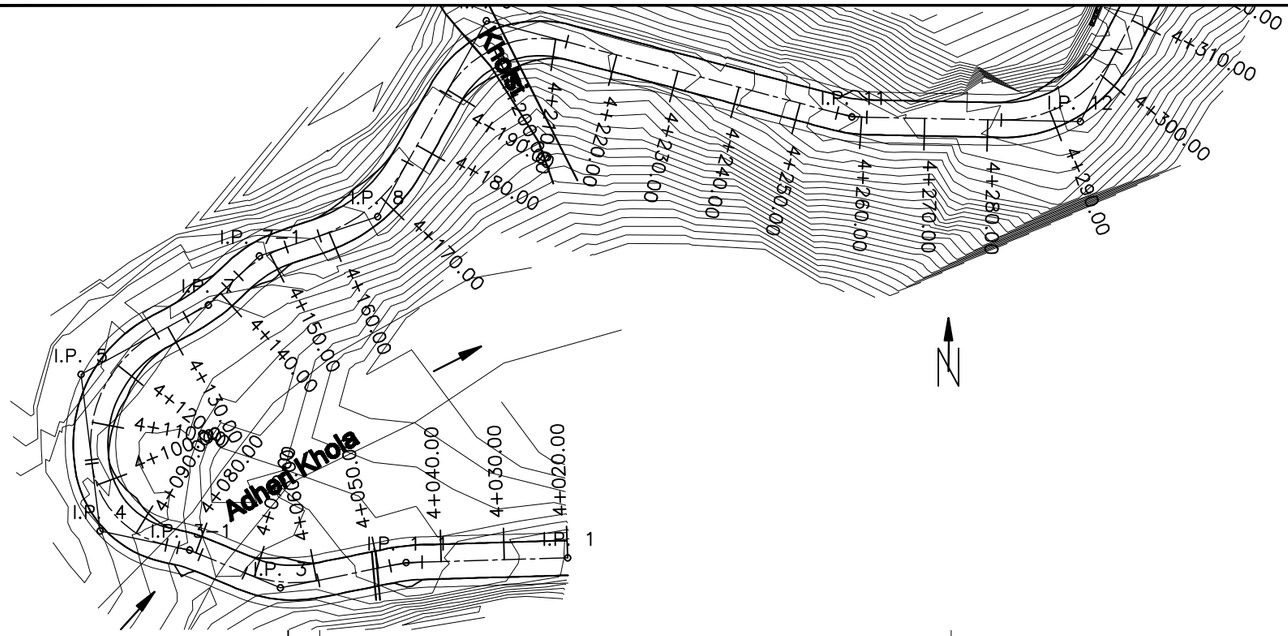
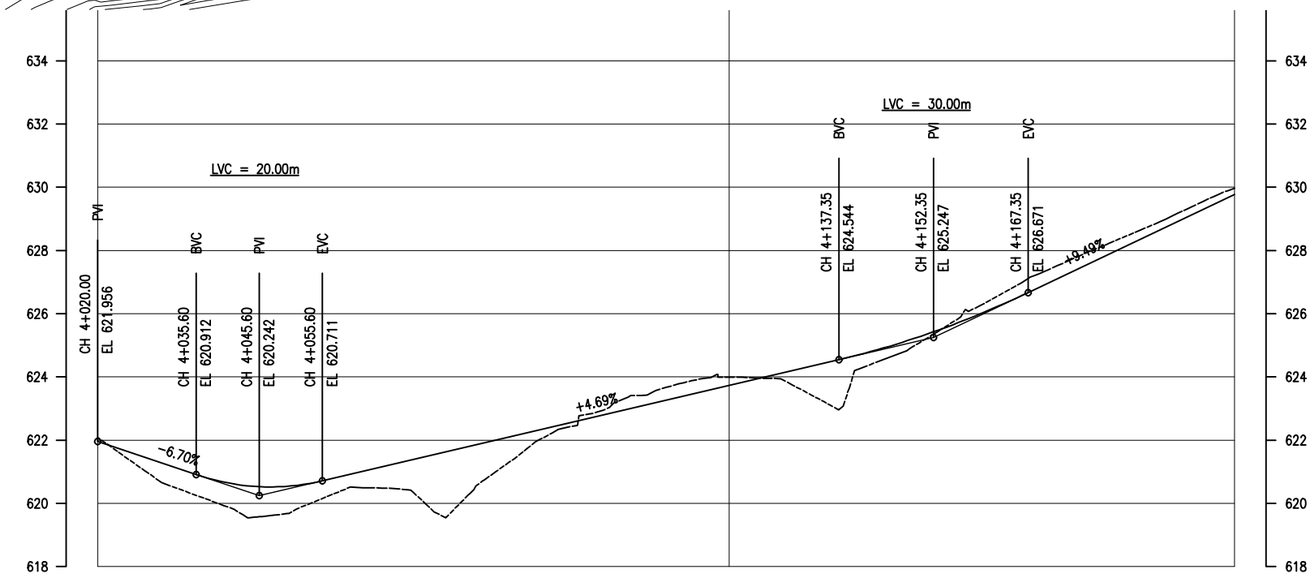
NEPAL ELECTRICITY AUTHORITY
UPPER TRISHULI 3A HYDROELECTRIC PROJECT

UPGRADING OF ROAD FROM
TRISHULI COLONY TO SALAKHU KHOLA

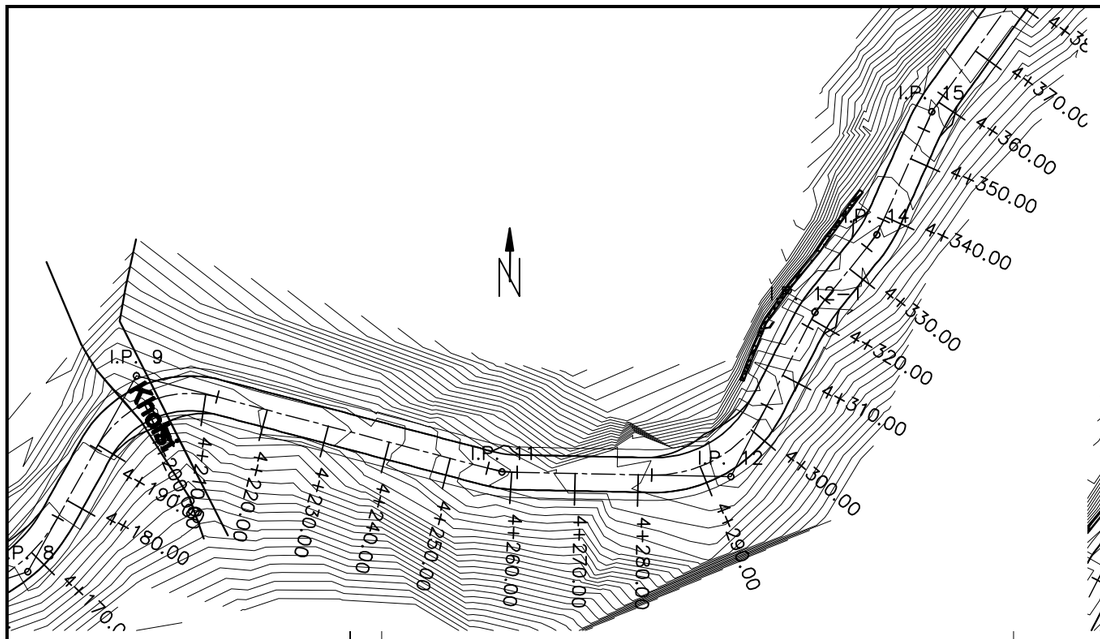
TENDER DRAWINGS

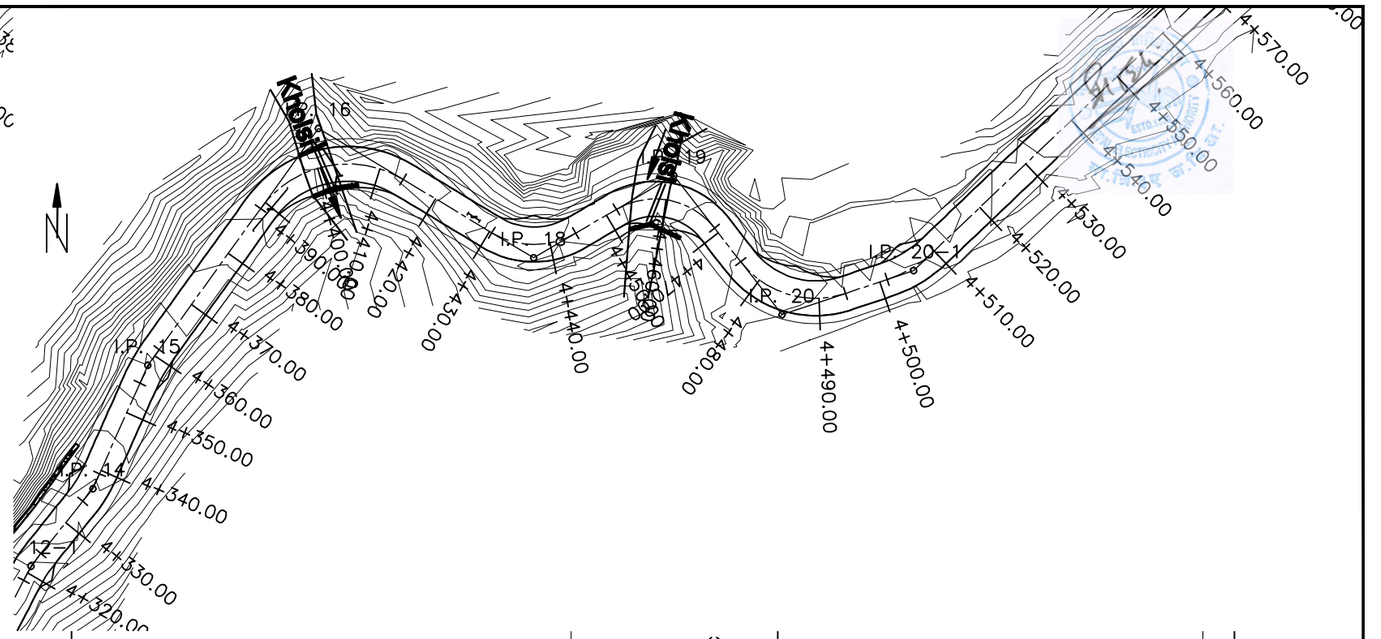
FEBRUARY, 2017

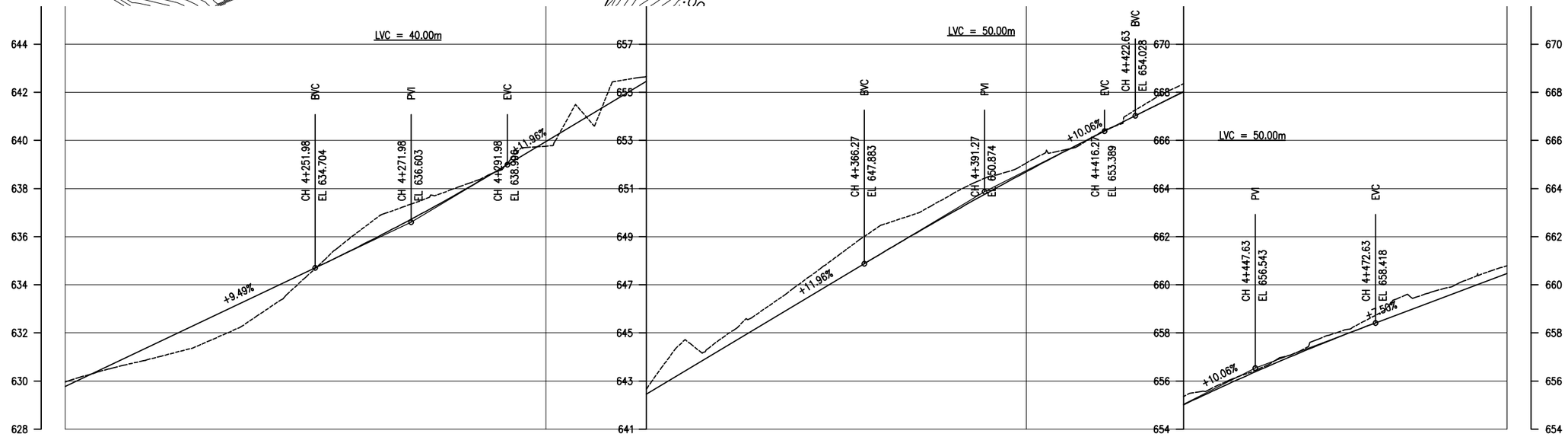
PLAN & PROFILE



DESIGN LEVEL (m)		621.956	621.286	620.672	620.538	620.917	621.386	621.855	622.324	622.793	623.261	623.730	624.199	624.674	625.265	626.016	626.922	627.872	628.821	629.770
EXISTING LEVEL (m)		622.086	620.676	619.929	619.672	620.510	620.347	620.563	622.015	622.942	623.669	623.992	623.746	624.211	625.067	626.286	627.347	628.213	629.082	629.964
CHAINAGE (km)		4+020.00	4+030.00	4+040.00	4+050.00	4+060.00	4+070.00	4+080.00	4+090.00	4+100.00	4+110.00	4+120.00	4+130.00	4+140.00	4+150.00	4+160.00	4+170.00	4+180.00	4+190.00	4+200.00
HORIZONTAL ALIGNMENT	RIGHT	IP-01 R=0.00		IP-42370 R=30.00		IP-03 R=20.00		IP-42430 R=20.00	IP-04 R=15.00		IP-05 R=20.00			IP-07 R=30.00	IP-42552 R=20.00		IP-08 R=25.00		IP-09 R=17.00	
	LEFT																			

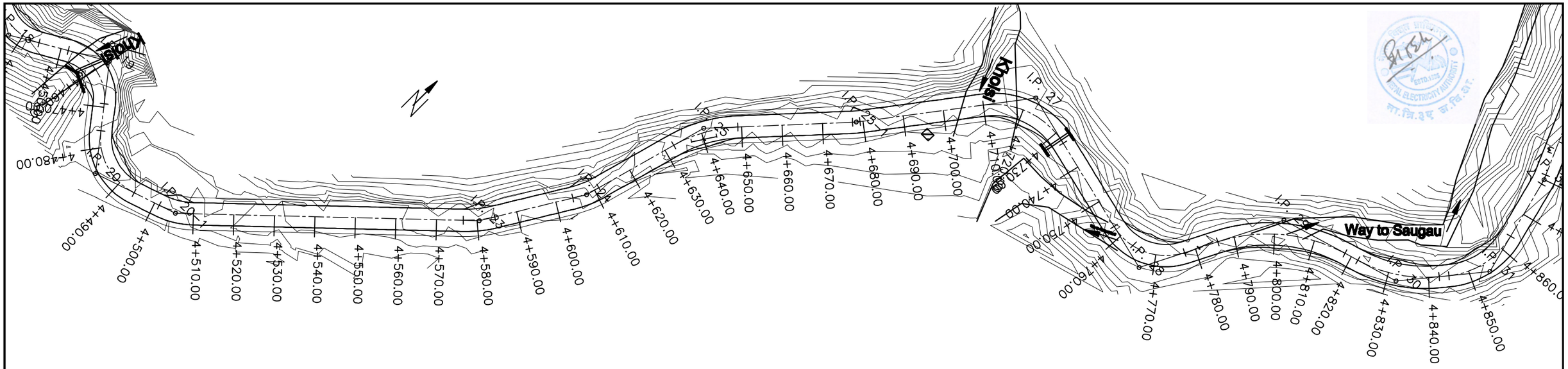
NEPAL ELECTRICITY AUTHORITY **UPPER TRISHULI 3A HYDRO ELECTRIC PROJECT**	**UPGRADING EXISTING ROAD** **TRISHULI COLONY TO CHAMPANI**	**DESIGNED BY :** **DRAWN BY :** **CHECKED BY :** **APPROVED BY :**	**SCALE** HORIZONTAL SCALE 1:1600 VERTICAL SCALE 1:200
PLAN & PROFILE **CH 4+020.00-4+200.00**	**DATE:** **DRG NO : 1** **SHEET NO : 1**		

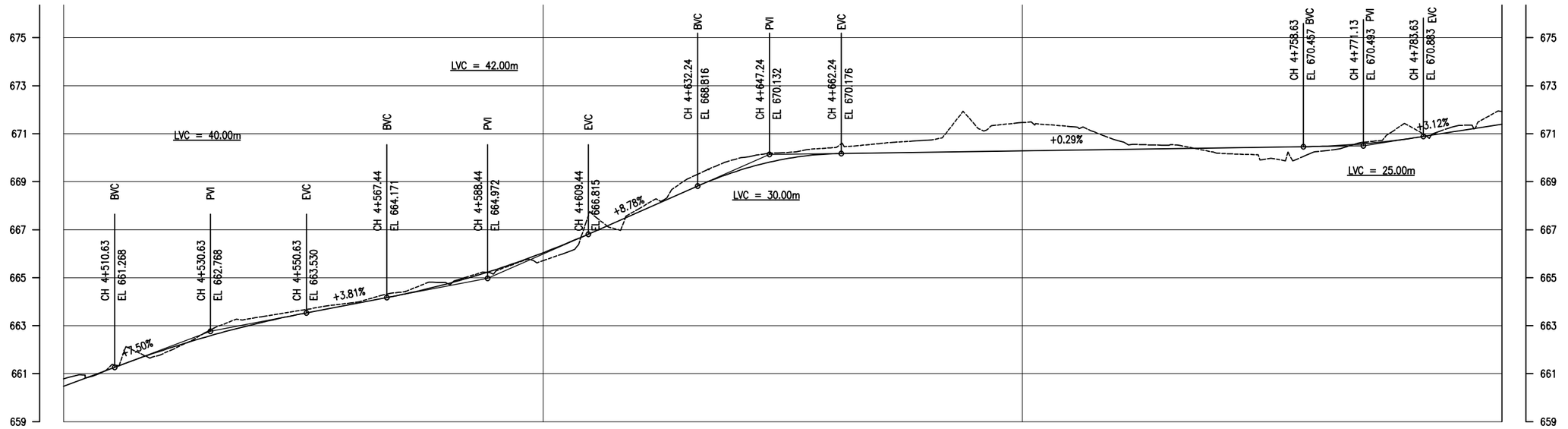

I.P. 9
I.P. 8
I.P. 11
I.P. 12
I.P. 14
I.P. 15
4+170.00
4+180.00
4+190.00
4+200.00
4+210.00
4+220.00
4+230.00
4+240.00
4+250.00
4+260.00
4+270.00
4+280.00
4+290.00
4+300.00
4+310.00
4+320.00
4+330.00
4+340.00
4+350.00
4+360.00
4+370.00


I.P. 15
I.P. 16
I.P. 18
I.P. 19
I.P. 20
4+320.00
4+330.00
4+340.00
4+350.00
4+360.00
4+370.00
4+380.00
4+390.00
4+400.00
4+410.00
4+420.00
4+430.00
4+440.00
4+450.00
4+460.00
4+470.00
4+480.00
4+490.00
4+500.00
4+510.00
4+520.00
4+530.00
4+540.00
4+550.00
4+560.00
4+570.00

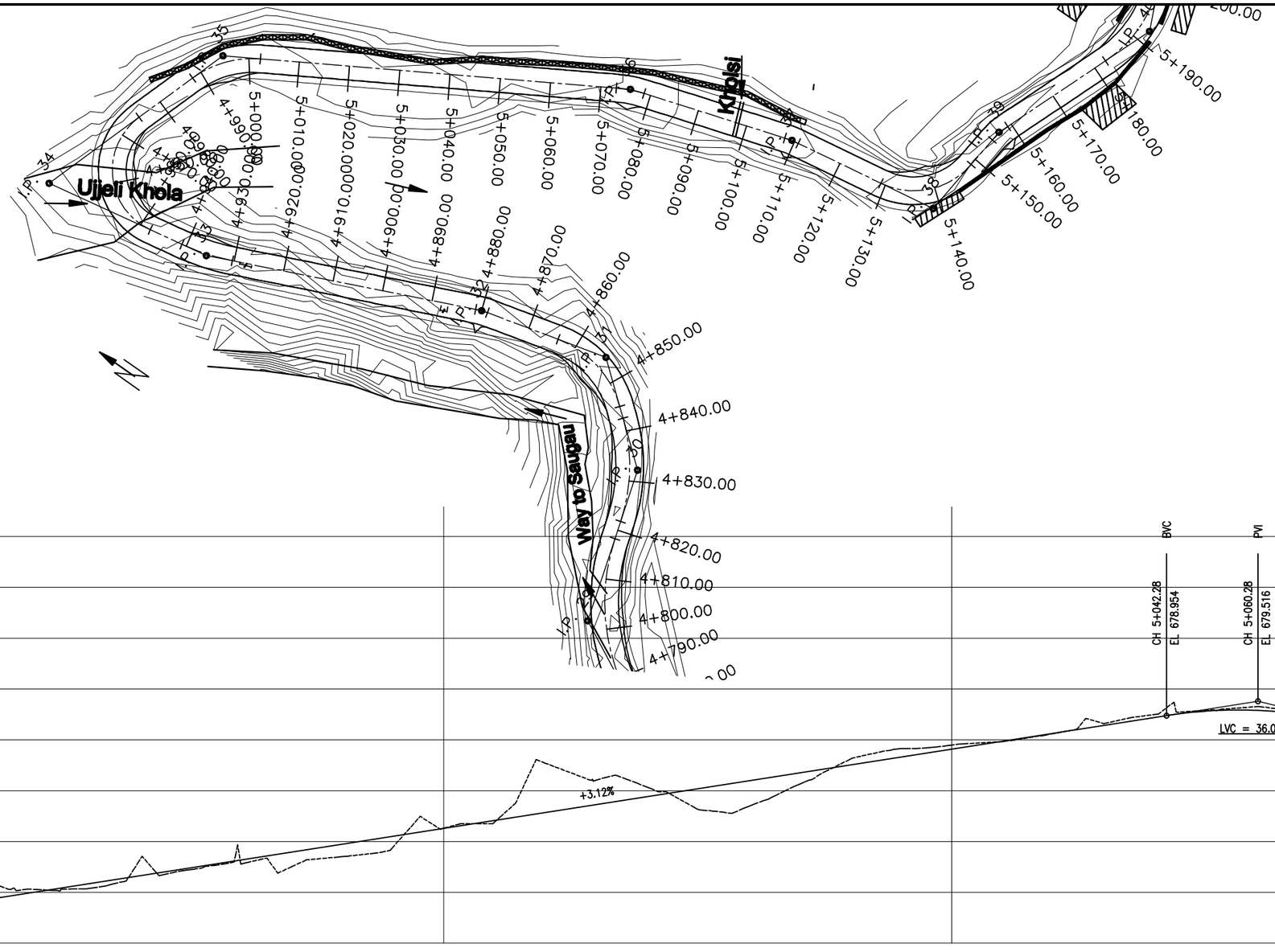

LVC = 40.00m
BVC
CH 4+251.98
EL 634.704
PVI
CH 4+271.98
EL 636.603
EVC
CH 4+291.98
EL 638.998
+9.49%
+11.96%
LVC = 50.00m
BVC
CH 4+366.27
EL 647.883
PVI
CH 4+391.27
EL 650.874
EVC
CH 4+416.27
EL 653.389
CH 4+422.63
EL 654.028
+10.06%
LVC = 50.00m
PVI
CH 4+447.63
EL 656.543
EVC
CH 4+472.63
EL 658.418
+10.06%
+7.90%

| | | |

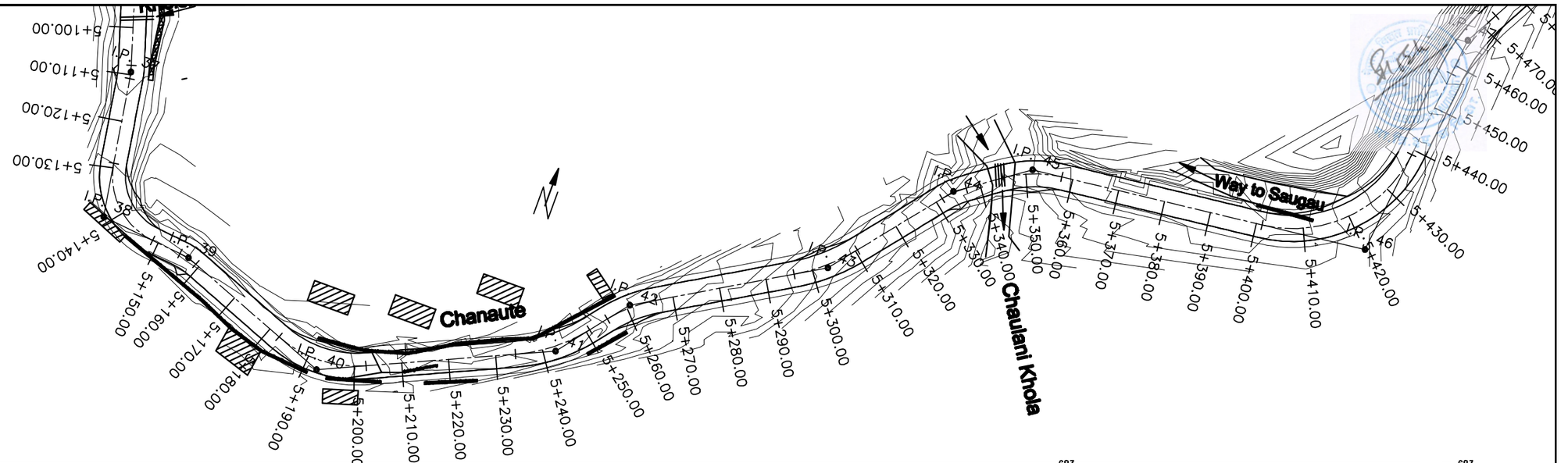

Kholsi
Kholsi
Way to Saugau
I.P. 19
I.P. 20
I.P. 20.1
I.P. 21
I.P. 22
I.P. 23
I.P. 24
I.P. 25
I.P. 26
I.P. 27
I.P. 28
I.P. 29
I.P. 30
R=20
R=30
R=25
R=35
R=20
R=20
R=15
R=40
4+480.00
4+490.00
4+500.00
4+510.00
4+520.00
4+530.00
4+540.00
4+550.00
4+560.00
4+570.00
4+580.00
4+590.00
4+600.00
4+610.00
4+620.00
4+630.00
4+640.00
4+650.00
4+660.00
4+670.00
4+680.00
4+690.00
4+700.00
4+710.00
4+720.00
4+730.00
4+740.00
4+750.00
4+760.00
4+770.00
4+780.00
4+790.00
4+800.00
4+810.00
4+820.00
4+830.00
4+840.00
4+850.00
4+860.0

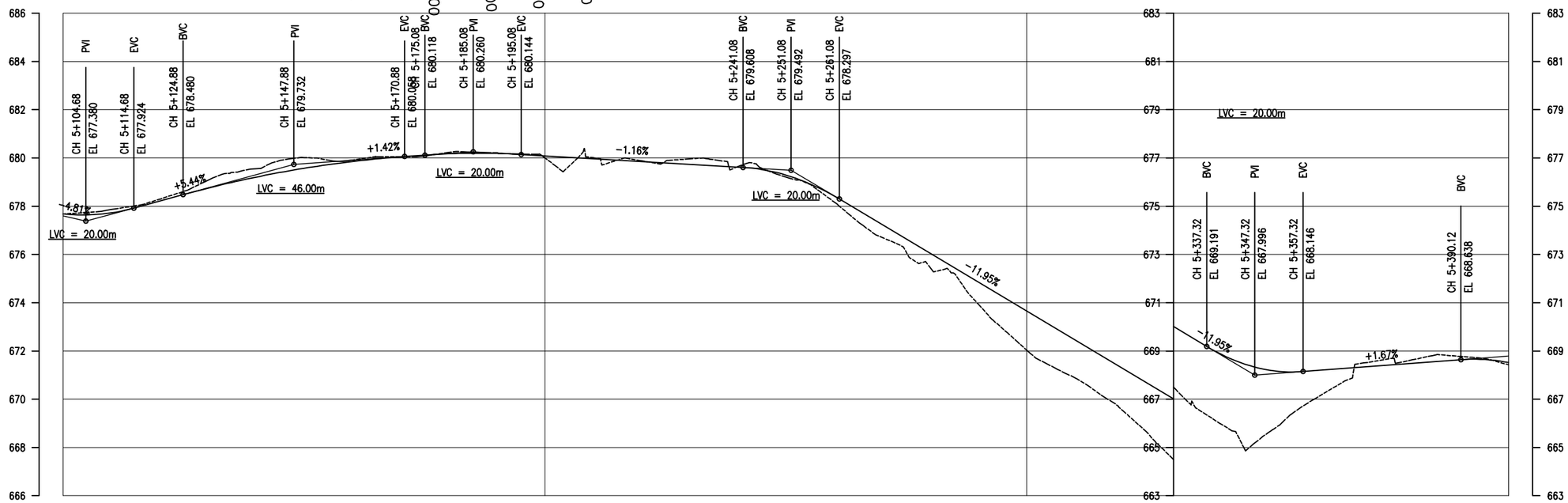

LVC = 40.00m
LVC = 42.00m
LVC = 30.00m
LVC = 25.00m
BVC
PVI
EVC
CH 4+510.63
EL 661.268
CH 4+530.63
EL 662.768
CH 4+550.63
EL 663.530
CH 4+567.44
EL 664.171
CH 4+588.44
EL 664.972
CH 4+609.44
EL 666.815
CH 4+632.24
EL 668.816
CH 4+647.24
EL 670.132
CH 4+662.24
EL 670.176
CH 4+758.63
EL 670.457
CH 4+771.13
EL 670.493
CH 4+783.63
EL 670.883
+7.50%
+3.81%
+8.78%
+0.29%
+3.12%
675
673
671
669
667
665
663
661
659

| | | |

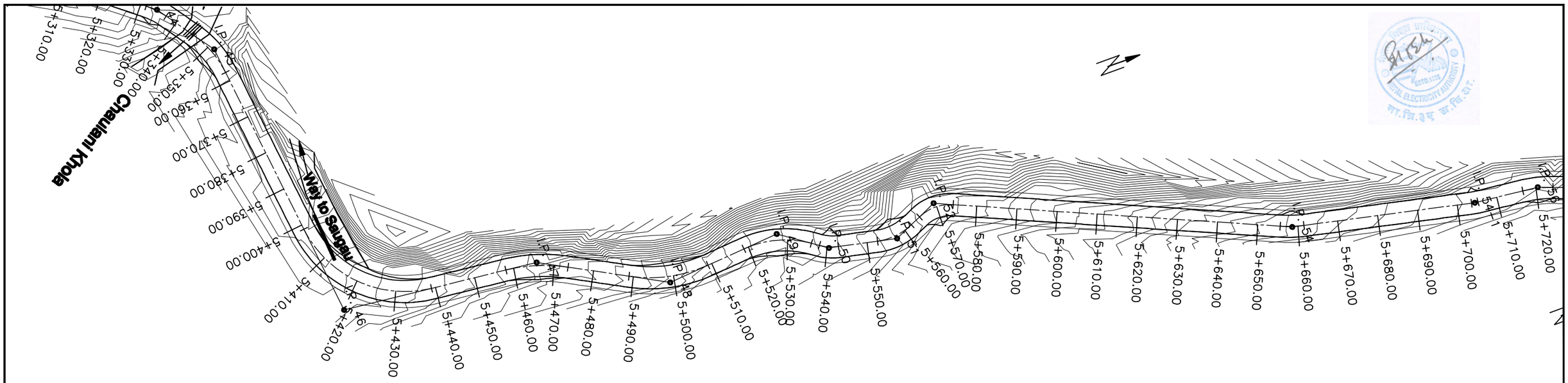

Ujjeli Khola
Khola
Way to Sangam
IP-34
IP-33
IP-32
IP-31
IP-30
IP-29
4+990.00
5+000.00
5+010.00
5+020.00
5+030.00
4+900.00
4+890.00
4+880.00
4+870.00
4+860.00
4+850.00
4+840.00
4+830.00
4+820.00
4+810.00
4+800.00
4+790.00
5+040.00
5+050.00
5+060.00
5+070.00
5+080.00
5+090.00
5+100.00
5+110.00
5+120.00
5+130.00
5+140.00
5+150.00
5+160.00
5+170.00
5+180.00
5+190.00
5+200.00
BVC
PVI
EVC
BVC
CH 5+042.28
EL 678.954
CH 5+060.28
EL 679.516
CH 5+078.28
EL 678.650
CH 5+094.68
EL 677.861
+3.12%
-1.81%
LVC = 36.00m
686
684
682
680
678
676
674
672
670

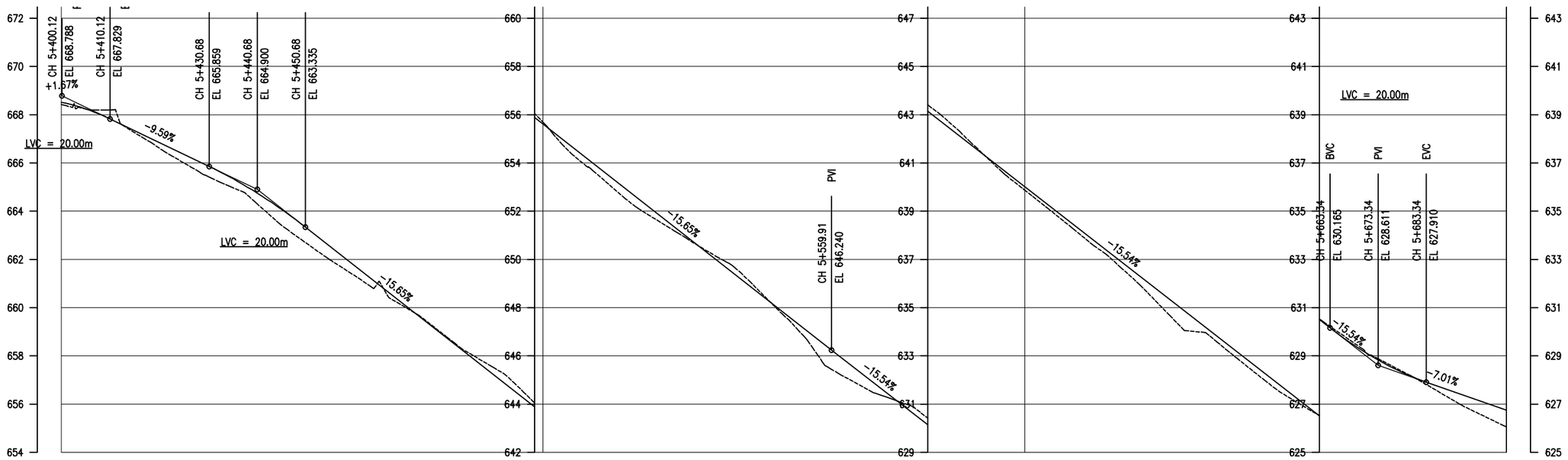
| | | |


Chanaute
Chaulani Khola
Way to Saugau
5+100.00
5+110.00
5+120.00
5+130.00
5+140.00
5+150.00
5+160.00
5+170.00
5+180.00
5+190.00
5+200.00
5+210.00
5+220.00
5+230.00
5+240.00
5+250.00
5+260.00
5+270.00
5+280.00
5+290.00
5+300.00
5+310.00
5+320.00
5+330.00
5+340.00
5+350.00
5+360.00
5+370.00
5+380.00
5+390.00
5+400.00
5+410.00
5+420.00
5+430.00
5+440.00
5+450.00
5+460.00
5+470.00
IP-37
IP-38
IP-39
IP-40
IP-41
IP-42
IP-43
IP-44
IP-45

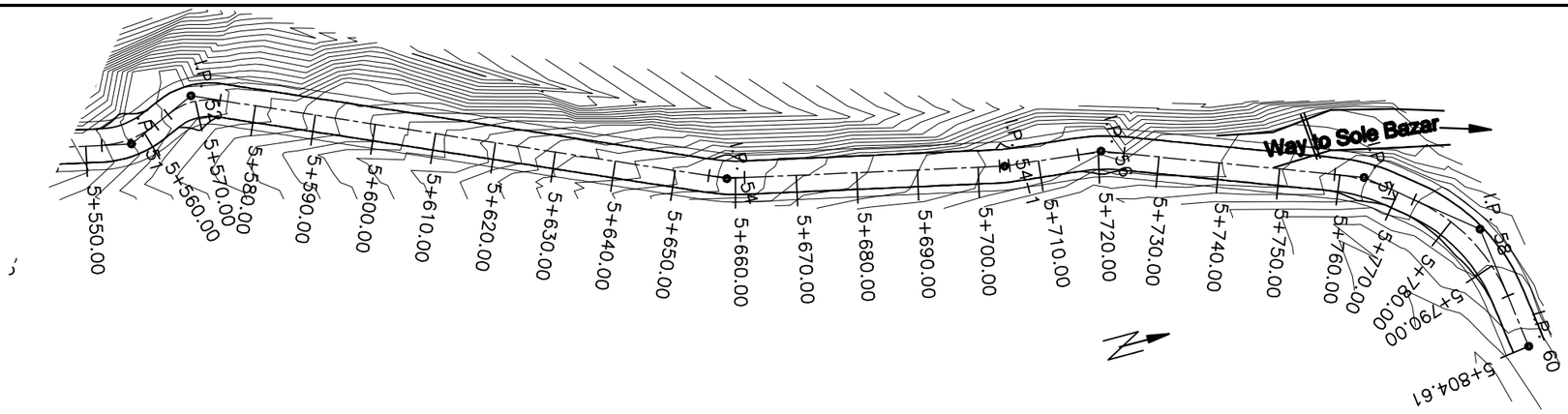

CH 5+104.68 EL 677.380
CH 5+114.68 EL 677.924
CH 5+124.88 EL 678.480
CH 5+147.88 EL 679.732
CH 5+170.88 EL 680.058
CH 5+175.08 EL 680.118
CH 5+185.08 EL 680.260
CH 5+195.08 EL 680.144
CH 5+241.08 EL 679.608
CH 5+251.08 EL 679.492
CH 5+261.08 EL 678.297
CH 5+337.32 EL 669.191
CH 5+347.32 EL 667.996
CH 5+357.32 EL 668.146
CH 5+390.12 EL 668.638
PVI
EVC
BVC
+5.44%
+1.42%
-1.16%
-11.95%
+1.67%
LVC = 46.00m
LVC = 20.00m

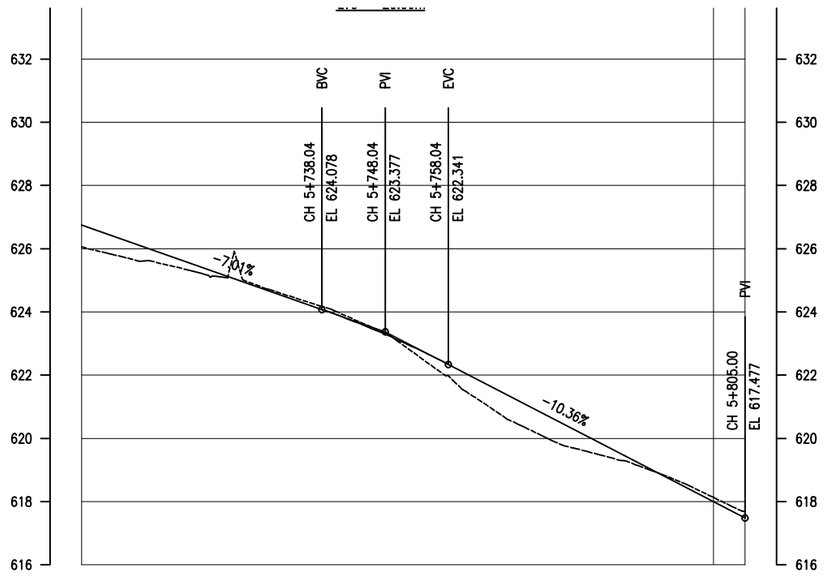
| | | |


Chaulani Khola
Way to Saipatu
IP-46
IP-47
IP-48
IP-49
IP-50
IP-51
IP-52
IP-54
5+400.00
5+410.00
5+420.00
5+430.00
5+440.00
5+450.00
5+460.00
5+470.00
5+480.00
5+490.00
5+500.00
5+510.00
5+520.00
5+530.00
5+540.00
5+550.00
5+560.00
5+570.00
5+580.00
5+590.00
5+600.00
5+610.00
5+620.00
5+630.00
5+640.00
5+650.00
5+660.00
5+670.00
5+680.00
5+690.00
5+700.00
5+710.00
5+720.00


CH 5+400.12
EL 668.788
+1.57%
CH 5+410.12
EL 667.829
-9.59%
LVC = 20.00m
CH 5+430.68
EL 665.859
CH 5+440.68
EL 664.900
CH 5+450.68
EL 663.335
LVC = 20.00m
-15.65%
-15.65%
PVI
CH 5+559.91
EL 646.240
-15.54%
-15.54%
LVC = 20.00m
BVC
PVI
EVC
CH 5+663.34
EL 630.165
CH 5+673.34
EL 628.611
CH 5+683.34
EL 627.910
-15.54%
-7.01%

| | | |





DESIGN LEVEL (m)		626.743	626.042	625.342	624.641	623.937	623.120	622.138	621.102	620.067	619.031	617.995	617.477
EXISTING LEVEL (m)		626.053	625.617	625.160	624.687	624.041	623.077	621.595	620.361	619.586	619.002	618.133	617.690
CHAINAGE (km)		5+700.00	5+710.00	5+720.00	5+730.00	5+740.00	5+750.00	5+760.00	5+770.00	5+780.00	5+790.00	5+800.00	5+805.00
HORIZONTAL ALIGNMENT	RIGHT			IP-56 R=30.00				IP-57 R=30.00		IP-58 R=30.00		IP-60 R=0.00	
	LEFT	R=15.00 IP-19725											

NEPAL ELECTRICITY AUTHORITY **UPPER TRISHULI 3A HYDRO ELECTRIC PROJECT**	**UPGRADING EXISTING ROAD** **TRISHULI COLONY TO CHAMPANI**	**DESIGNED BY :** **DRAWN BY :** **CHECKED BY :** **APPROVED BY :**	**SCALE** HORIZONTAL SCALE 1:1000 10m 0 20m VERTICAL SCALE 1:200 2.0m 0 4m	**PLAN & PROFILE** **CH 5+700.00-5+805.00**	**DATE:** **DRG NO : 7** **SHEET NO : 1**