



Government of Nepal
Ministry of Urban Development
Department of Urban Development and Building Construction
Regional Urban Development Project
Project Coordination Office
Babarmahal, Kathmandu

DETAIL PROJECT REPORT

for

LUMBINI URBAN ROADS SUBPROJECT

VOLUME – III (DRAWINGS - PART 1/2)

LUMBINI URBAN ROADS, LUMBINI SANSKRITIK MUNICIPALITY

CH: 0+000 - 12+257.65 Km

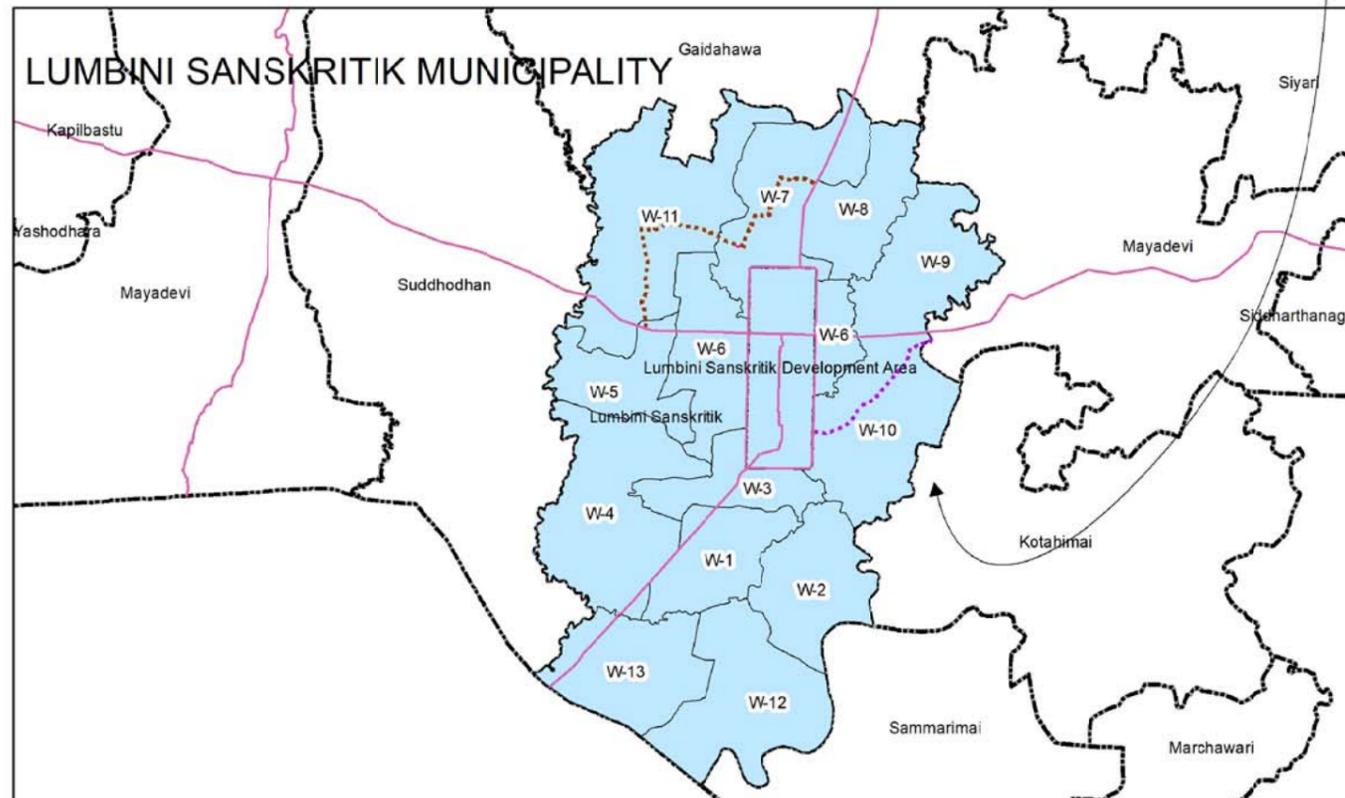
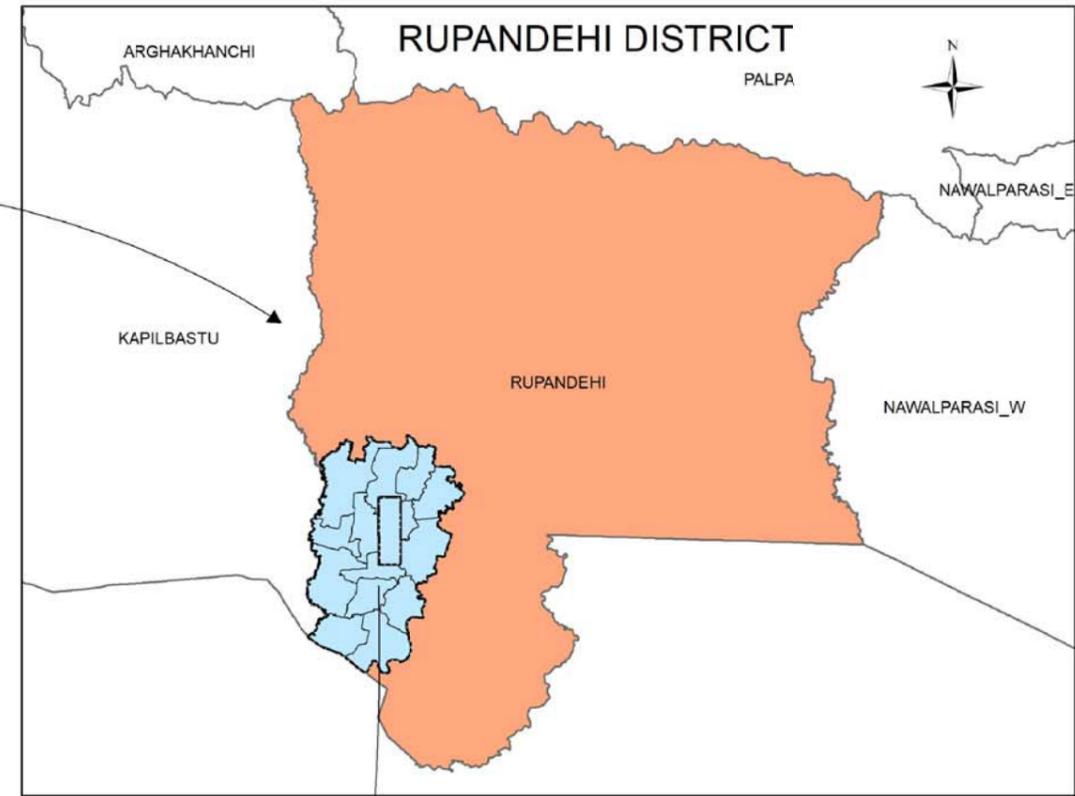
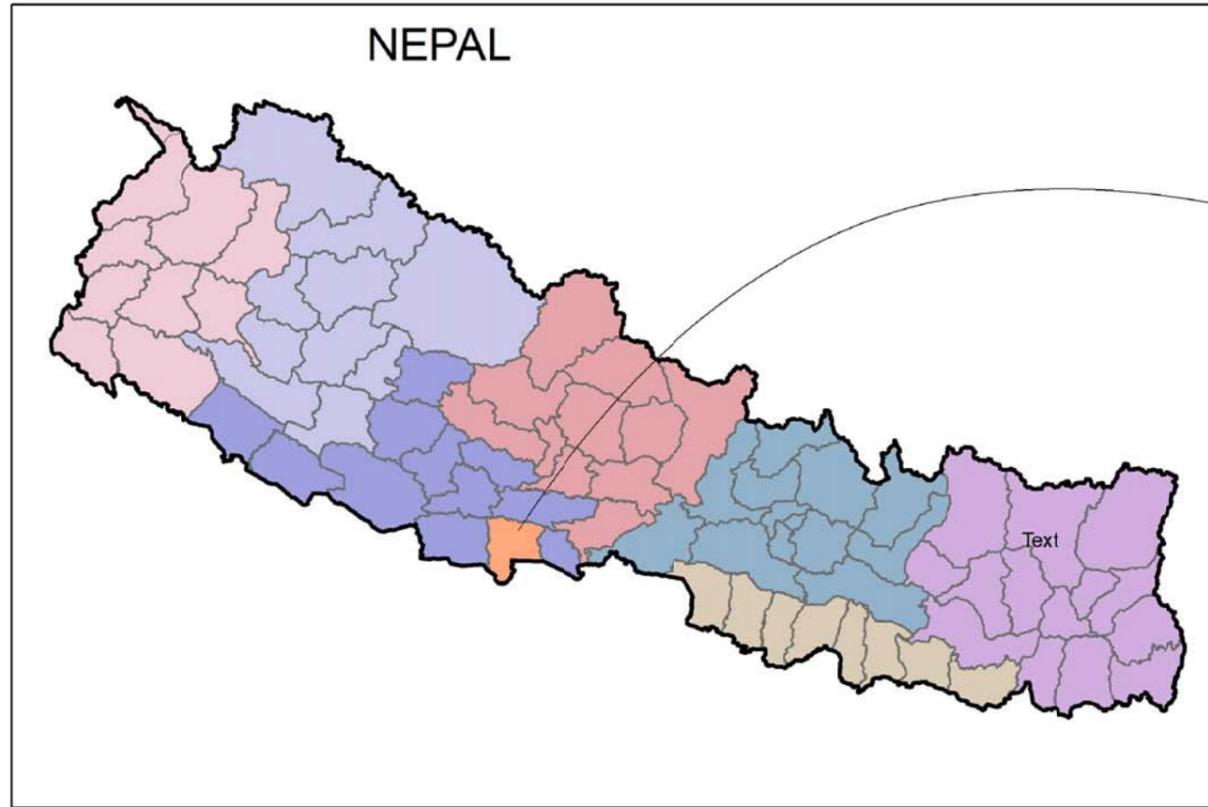
Pre-Feasibility Study, Feasibility Study and Preparation of Detail Project Report
of West Urban Corridor (WUC) Development Project
[Ref. No. RUDP/DUDBC/PDC/1-WC]

Consultant

DOHWA ENGINEERING *in association with* ERM (P.) Ltd., SILT Consultants (P.) Ltd., and DIGICON (P.) Ltd.

**1. LUMBINI BUS TERMINAL
ACCESS ROAD
CH: 0+000 TO CH: 3+931.603**

INDEX MAP OF LUMBINI SANSKRITIK MUNICIPALITY



Legend

- Proposed Urban Roads of Lumbini Sanskritik**
- ⋯ Bus Terminal Access Road
 - ⋯ Moglaha-Masina-Anihari-Bhaisaiya Road-1
 - ⋯ Moglaha-Masina-Anihari-Bhaisaiya Road-2
- Nepal Boundary
 - District Boundary
 - Municipality Boundary
 - Ward Boundary



Department of Urban Development & Building Construction (DUDBC)
Regional Urban Development Project (RUDP)
 Project Coordination Office
 Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
 DOHWA Engineering Co. Ltd.
 in Association with
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Consultant
Team Leader : YOO CHANGMIN
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Designed By : SABIN BAJRACHARYA

Client
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Scale
 NOT IN SCALE

INDEX MAP OF LUMBINI SANSKRITIK MUNICIPALITY

REV : DEC 2024
TITLE : INDEX MAP
DRG NO : LSM/RD/IM/01
SHEET NO : 01/01



Proposed Urban Roads Name List:

1. Lumbini Bus Terminal Access Road (3.94 Km)
2. Moglaha-Masina-Anihari-Bhaisaiya Road (8.04 Km)



Department of Urban Development & Building
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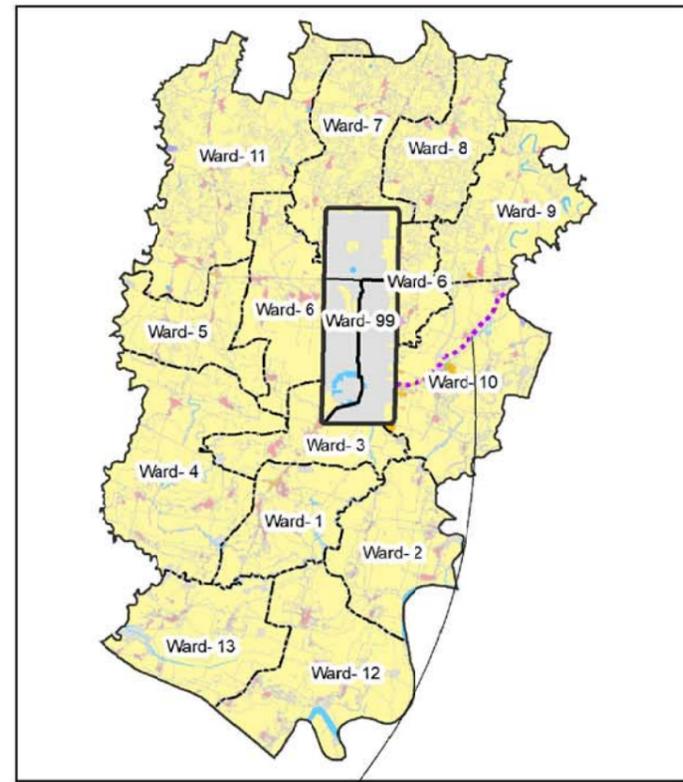
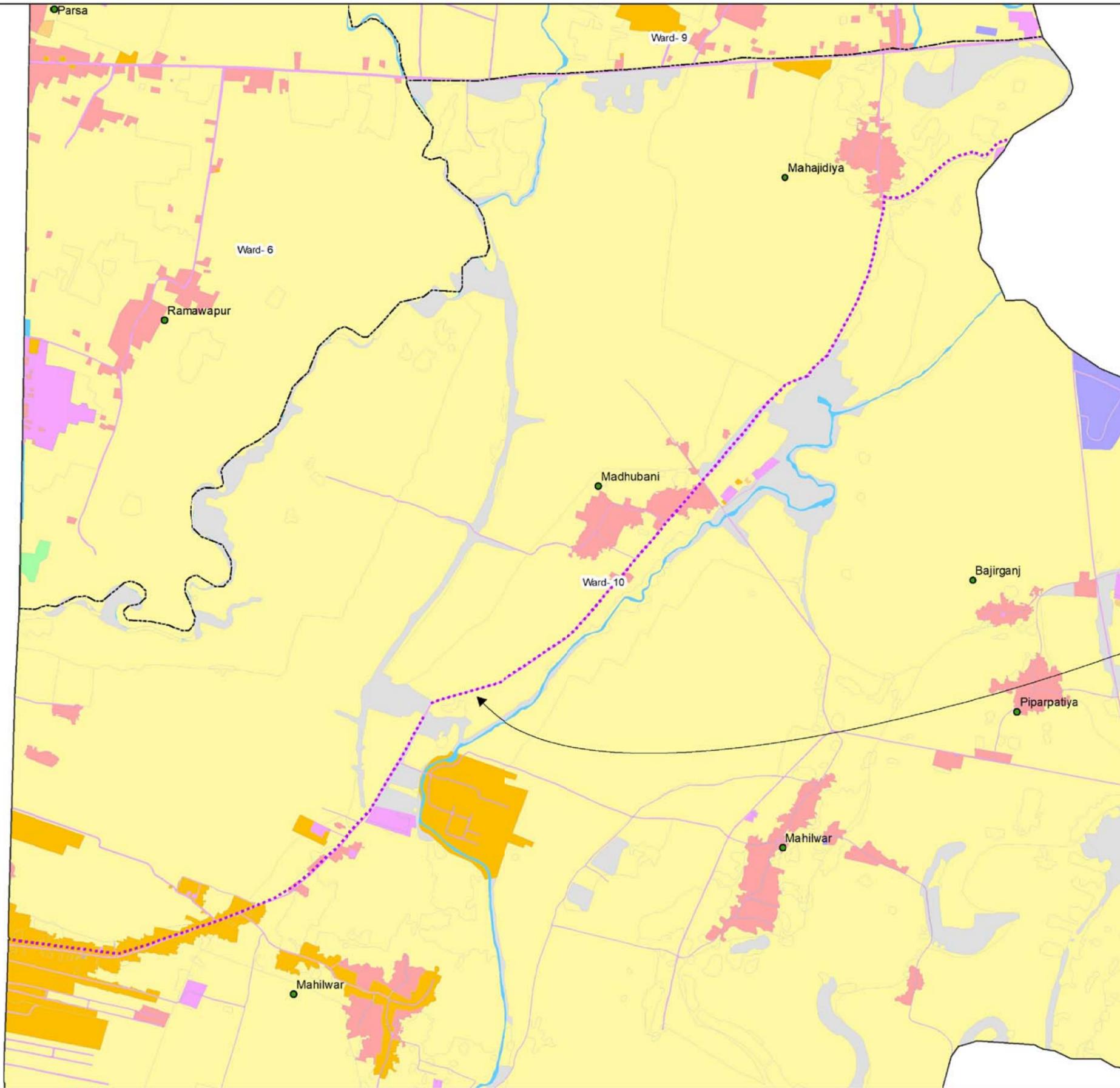
Consultant
Team Leader : YOO CHANGMIN
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Scale
NOT IN SCALE

**SATELLITE MAP OF LUMBINI
SANSKRITIK MUNICIPALITY**

REV : DEC 2024
TITLE : SATELLITE MAP
DRG NO : LSM/RD/IM/01
SHEET NO : 01/01



Legend

- Settlement
- Ward
- Proposed Urban Roads**
- Bus Terminal Access Road
- Moglaha-Masina-Anihari-Bhaisaiya Road
- Lumbini Sanskritik Landuse**
- Built-up
- Commercial Area
- Cultivation
- Cultural_Archeological Place
- Forest
- Waterbody
- Industrial Area
- Other
- Public Area



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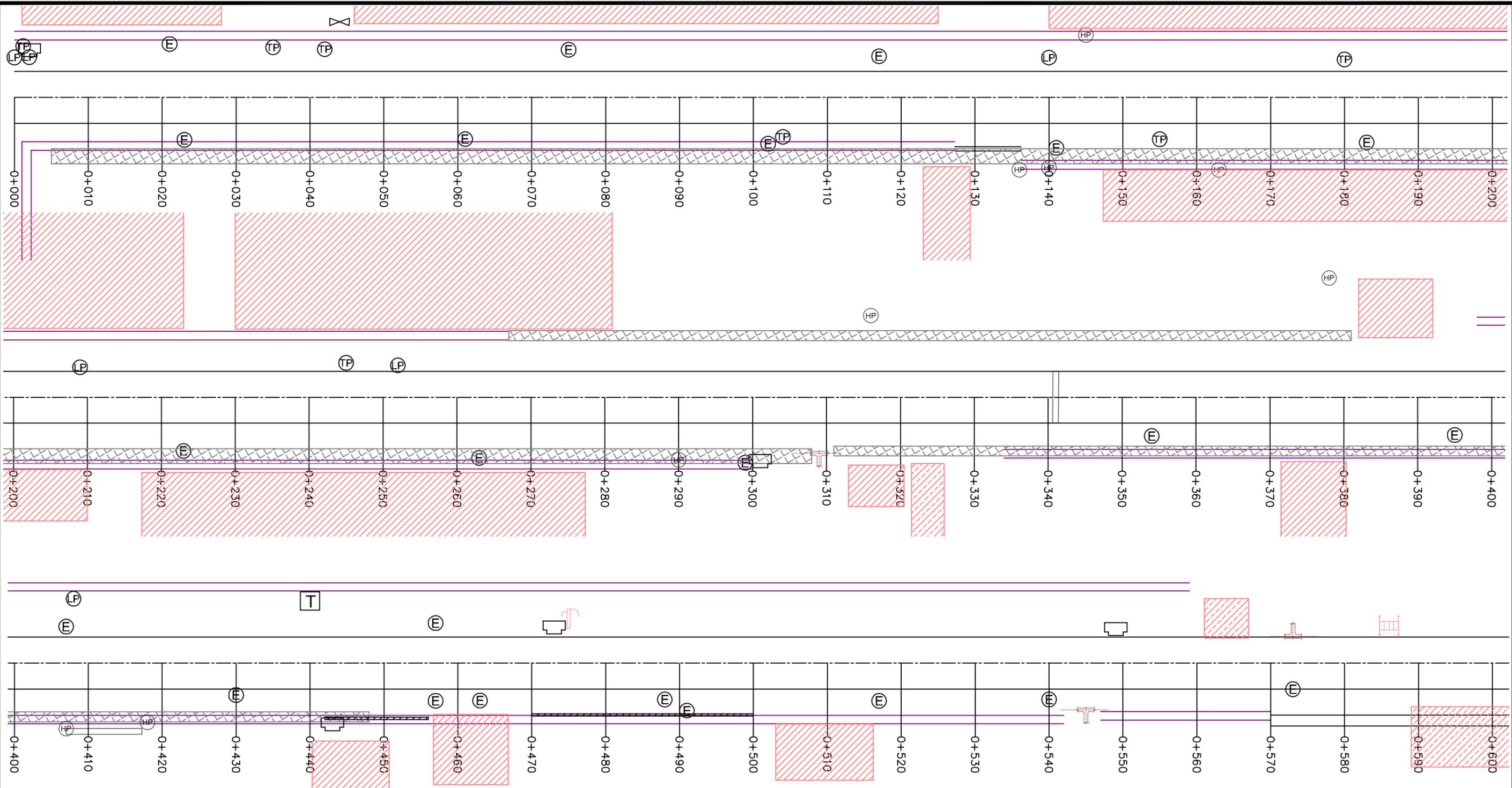
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Team Leader : YOO CHANGMIN
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Scale
 NOT IN SCALE

LOCATION MAP OF LUMBINI BUS TERMINAL ACCESS ROAD

REV : DEC 2024
 TITLE : LOCATION MAP
 DRG NO : LSM/RD/LM/01
 SHEET NO : 01/01



LEGEND

S.No	Description	Symbols	S.No	Description	Symbols	S.No	Description	Symbols
01	ACCESS_ROAD_LEFT		11	ELECTRIC_POLE		21	TRUSS/TEMPORARY BUILDING	
02	ACCESS_ROAD_RIGHT		12	HOARDING_BOARD		22	BOUNDARY WALL	
03	SLAB_CULVERT		13	BUILDING		23	TAP	
04	SLAB		14	TELEPHONE_POST		24	TEMPLE	
05	MASONRY_STONE_WALL		15	PIPE		25	TRANSFORMER	
06	CANAL		16	HAND_PUMP		26	RIVER	
07	DRAIN		17	BRIDGE		27	GATE	
08	EARTHEN_DRAIN		18	PIPE_CULVERT		28	COVERED_DRAIN	
09	CHAUTARA		19	LIGHT_POLE		29	TOILET	
10	FOOTPATH		20	POND / DITCH		30	STATUE	

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Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

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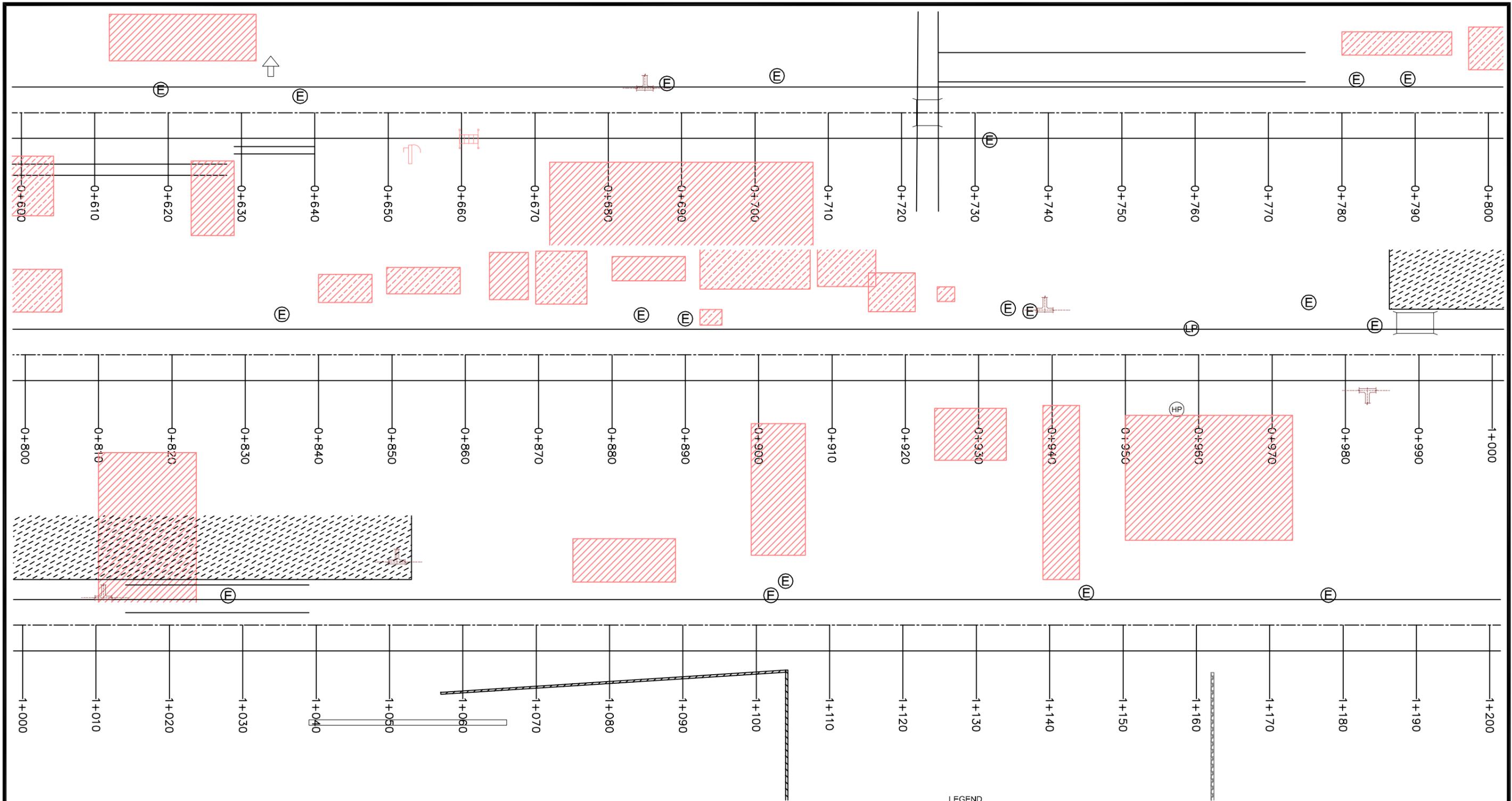
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Scale
1 : 500

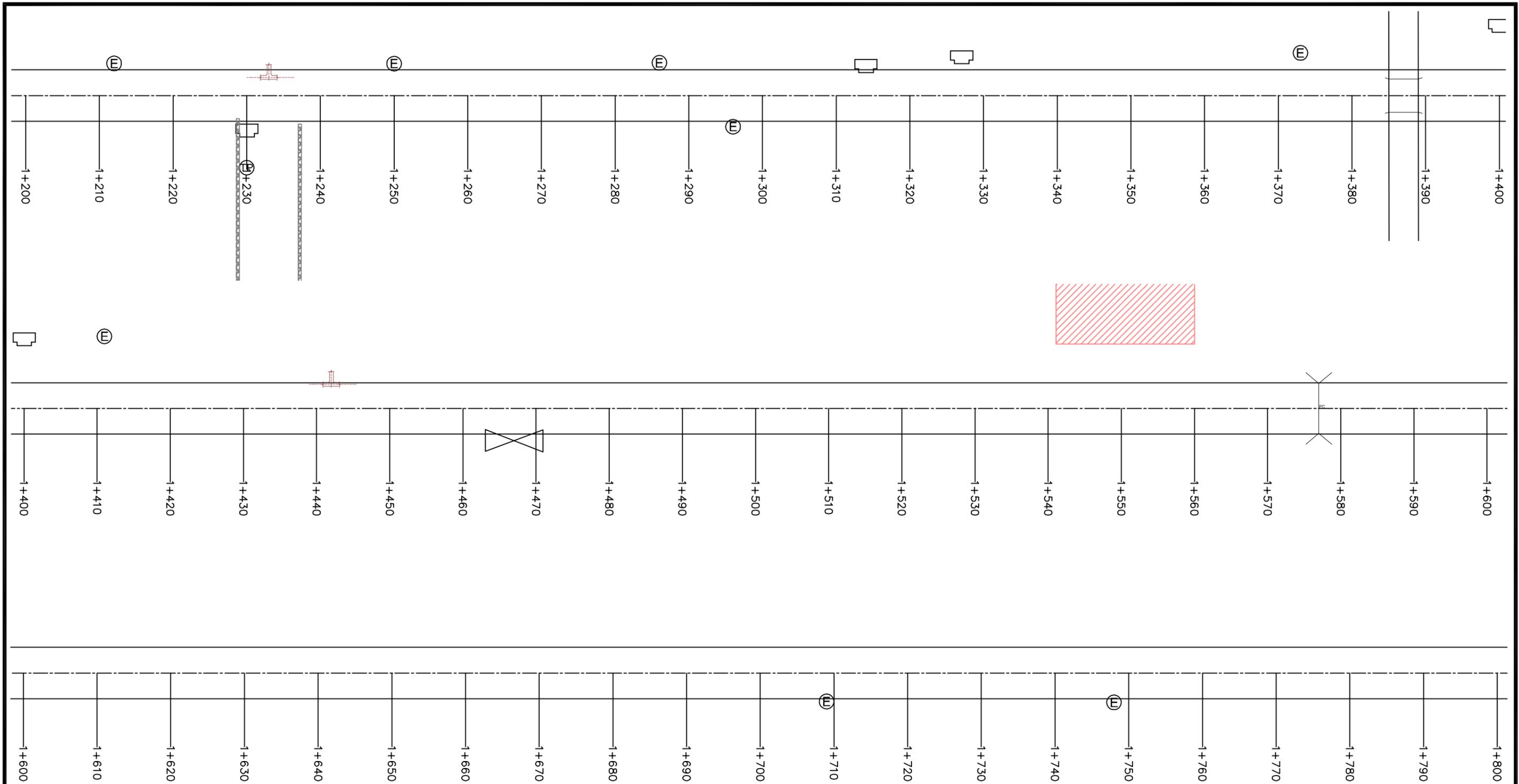
STRIP PLAN
LUMBINI BUS TERMINAL ACCESS ROAD
0+000 - 3+931.603

REV : DEC 2024
DRG NO : LSM/RD/SP/01
CHAINAGE : 0+000 to 0+600
SHEET NO : 01 of 07



LEGEND

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02	ACCESS_ROAD_RIGHT		12	HOARDING_BOARD		22	BOUNDARY WALL	
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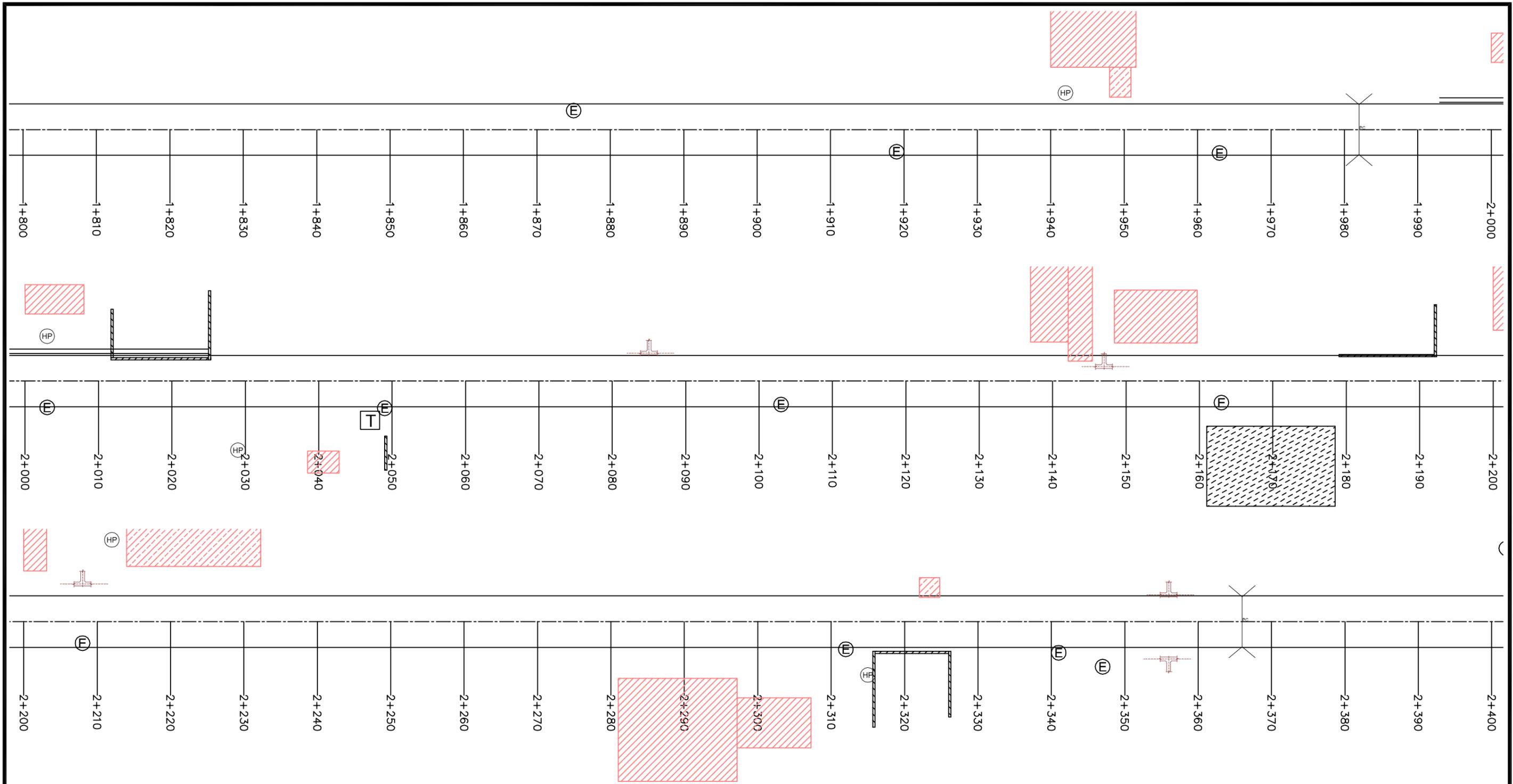
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Checked By :

Scale
 1 : 500

STRIP PLAN
 LUMBINI BUS TERMINAL ACCESS ROAD
 0+000 - 3+931.603

REV : DEC 2024
DRG NO : LSM/RD/SP/03
CHAINAGE : 1+200 to 1+800
SHEET NO : 03 of 07



LEGEND

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02	ACCESS_ROAD_RIGHT		12	HOARDING_BOARD		22	BOUNDARY WALL	
03	SLAB_CULVERT		13	BUILDING		23	TAP	
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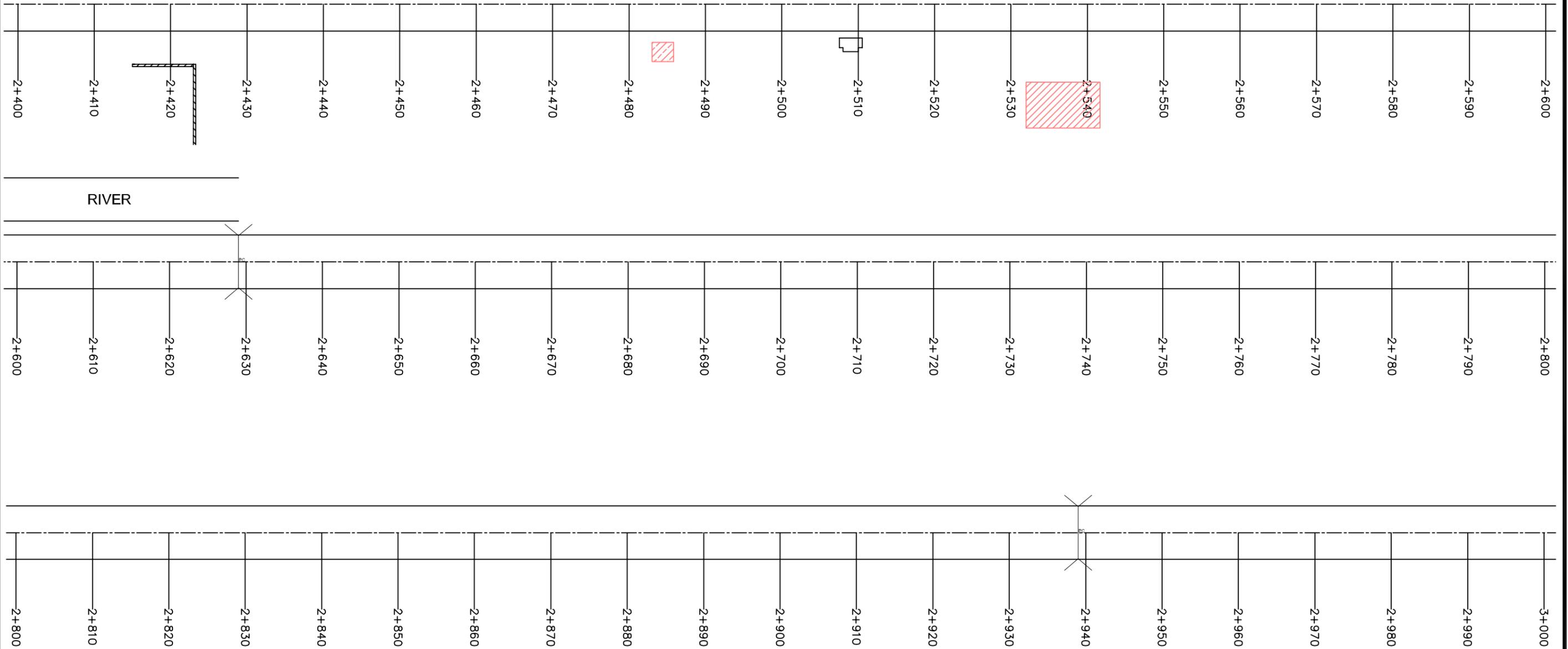
Client
Approved By :
Checked By :

Scale
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STRIP PLAN
 LUMBINI BUS TERMINAL ACCESS ROAD
 0+000 - 3+931.603

REV : DEC 2024
DRG NO : LSM/RD/SP/04
CHAINAGE : 1+800 to 2+400
SHEET NO : 04 of 07

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LEGEND

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02	ACCESS_ROAD_RIGHT		12	HOARDING_BOARD		22	BOUNDARY WALL	
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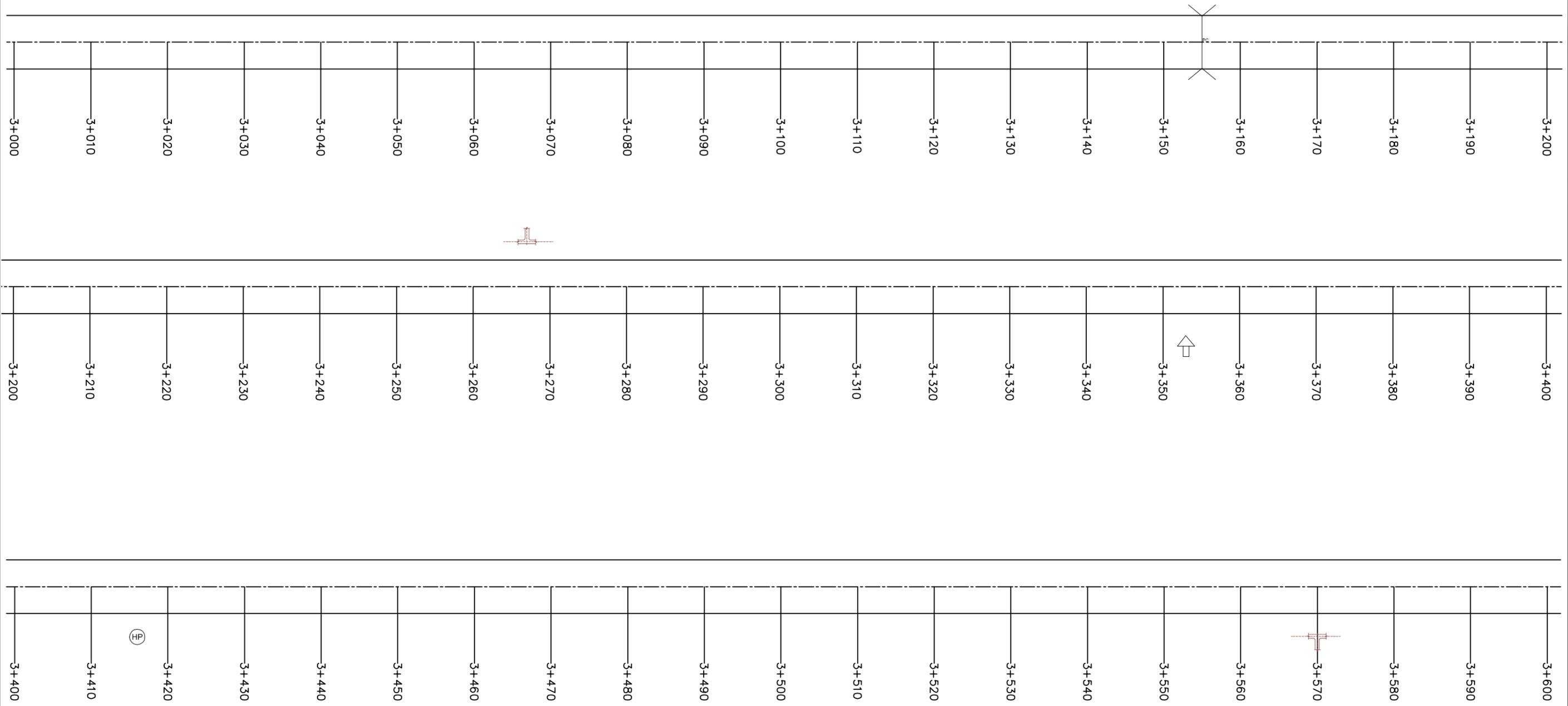
Consultant
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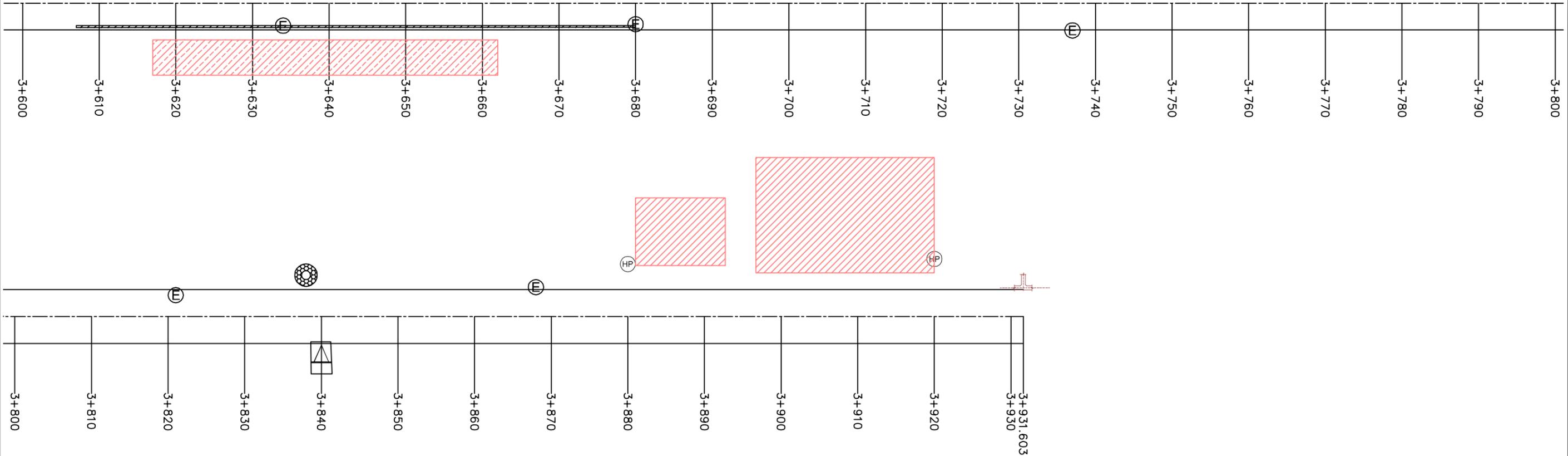
STRIP PLAN
 LUMBINI BUS TERMINAL ACCESS ROAD
 0+000 - 3+931.603

REV : DEC 2024
DRG NO : LSM/RD/SP/05
CHAINAGE : 2+400 to 3+000
SHEET NO : 05 of 07



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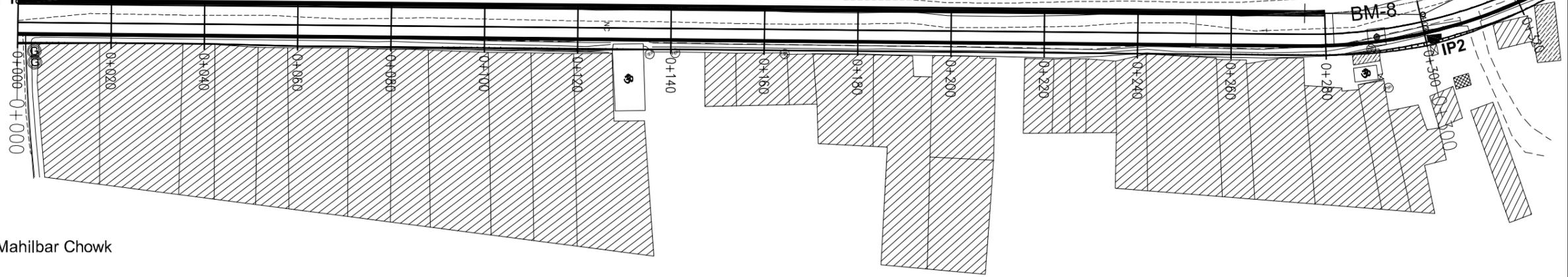
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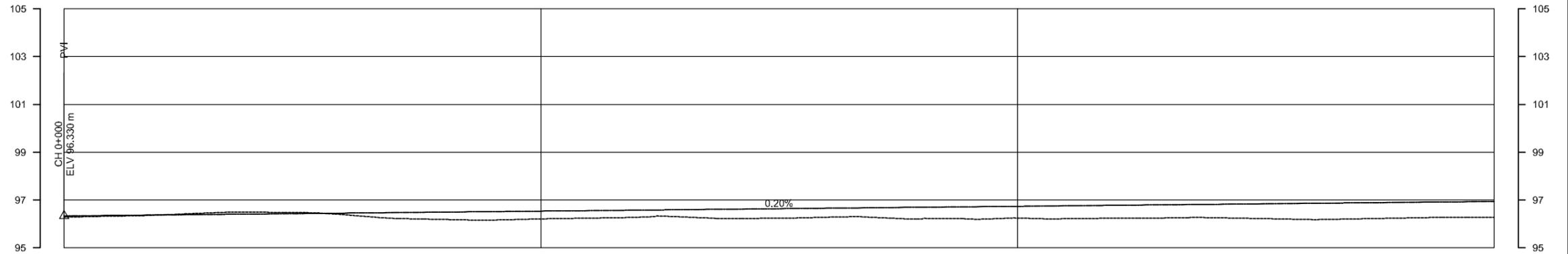
Lumbini Development Area

IP1

Mahilbar Chowk



IP No.	CO-ORDINATES(m)		WCB (CHMS)	DIST. (m)	DEF. ANG. (CHMS)	TAN. LEN. (m)	SIMPLE CURVE DATA				CHAINAGE		
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC	MC	EC	IP
1	42944.980	309371.704	86-56-42.18	-0.000	00-00-00.00	0.000	0.000	0.000	0.000	0+000.000	0+000.000	0+000.000	0+000.000
2	429743.882	309355.965	89-45-37.74	301.081	27-00-4.44	25.355	105.000	3.018	49.727	0+275.726	0+300.604	0+300.604	0+301.081



DESIGN LEVEL(m)	96.330	96.370	96.410	96.451	96.491	96.532	96.572	96.613	96.653	96.693	96.734	96.774	96.815	96.855	96.895	96.936
EXISTING LEVEL(m)	96.278	96.372	96.488	96.362	96.180	96.206	96.272	96.219	96.277	96.210	96.241	96.236	96.260	96.184	96.240	96.265
CHAINAGE(Km)	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300
HORIZONTAL SCHEMATIC	L=275.726															
SUPER ELEVATION SCHEMATIC	SE:2.5%															
CUT/FILL (m)	0.051	-0.002	-0.078	0.089	0.311	0.326	0.300	0.393	0.376	0.483	0.492	0.538	0.555	0.671	0.656	0.671

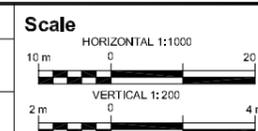


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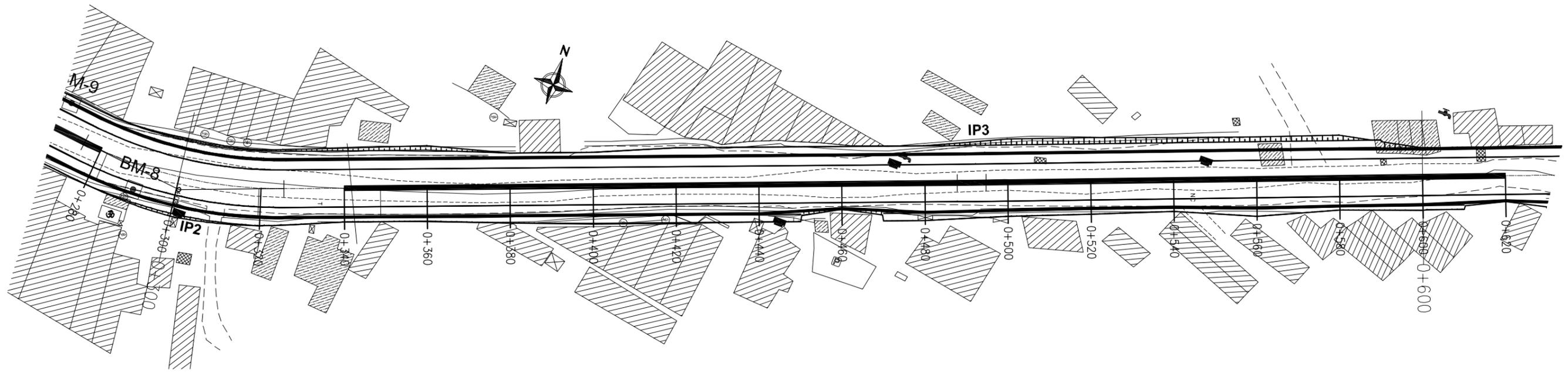
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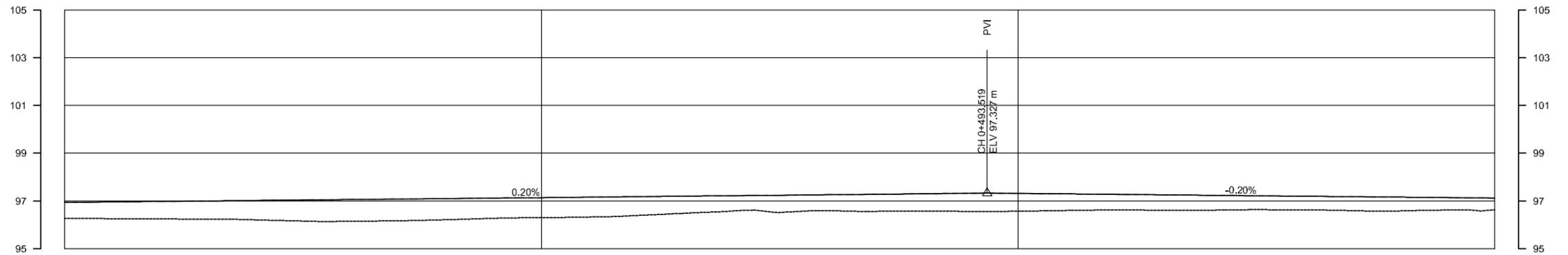


Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/RD/PP/01
CHAINAGE : 0+000 to 0+300
SHEET NO : 01/14



IP No.	COORDINATES(m)		WCB (CHMS)	DIST. (m)	DEF. ANG. (CHMS)	TAN. LEN. (m)	SIMPLE CURVE DATA				CHAINAGE			
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC	MC	EC	IP	
1	429743.862	3039335.985	89-46-37.74	301.081	27-09-4.44	25.955	105.000	3.016	49.757	0+300.604	0+325.483	0+301.081		
2	429743.862	3039335.985	89-46-37.74	301.081	27-09-4.44	25.955	105.000	3.016	49.757	0+325.483	0+350.362	0+325.483		
3	429823.238	3038401.144	89-39-45.71	181.160	05-15-57.03	3.460	1500.000	0.004	6.960	0+481.266	0+491.226	0+491.226		



DESIGN LEVEL(m)	96.936	96.976	97.017	97.057	97.097	97.138	97.178	97.219	97.259	97.299	97.314	97.275	97.236	97.197	97.158	97.119
EXISTING LEVEL(m)	96.265	96.244	96.206	96.145	96.212	96.295	96.389	96.574	96.586	96.571	96.567	96.621	96.611	96.622	96.580	96.619
CHAINAGE(Km)	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580	0+600
HORIZONTAL SCHEMATIC	L = 49.757 R = 105		L = 162.325						L = 6.960 R = 1500		L = 105.232					
SUPER ELEVATION SCHEMATIC	SE:4%		SE:4%		SE:4%		SE:4%		SE:2.5%		SE:2.5%		SE:2.5%		SE:2.5%	
CUT/FILL (m)	0.671	0.732	0.811	0.912	0.885	0.842	0.789	0.645	0.673	0.728	0.747	0.654	0.625	0.575	0.578	0.500

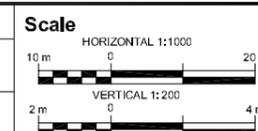


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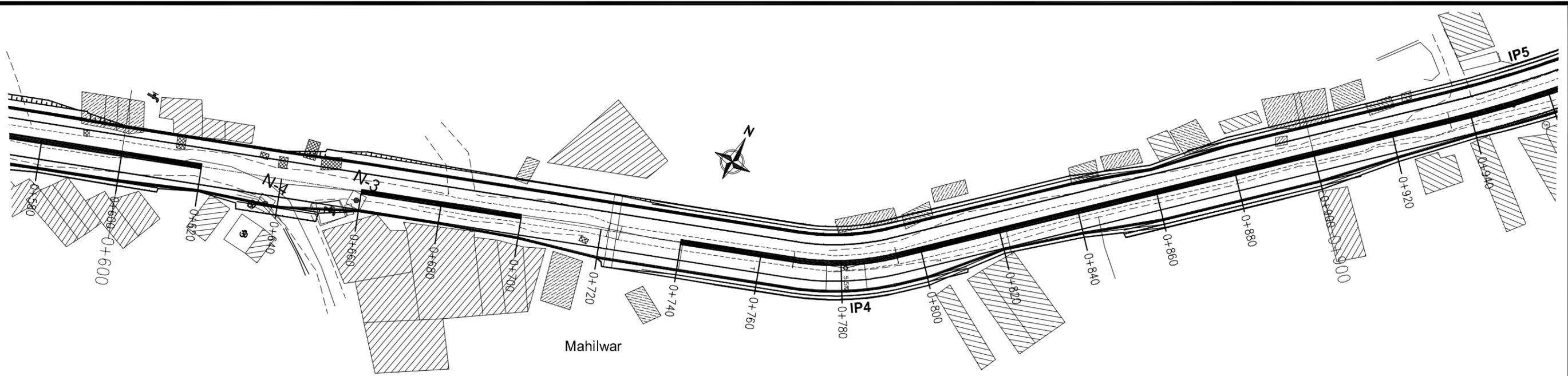
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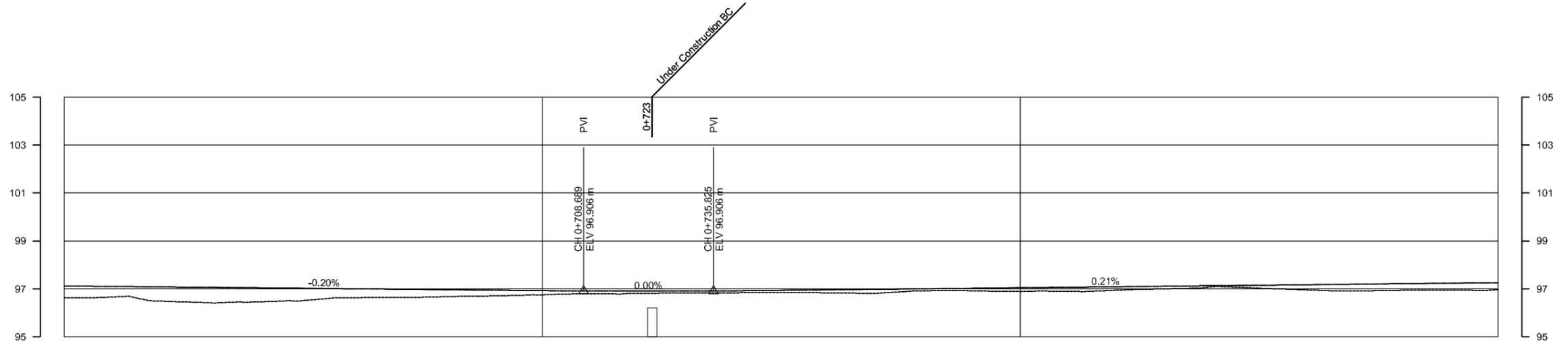


Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/RD/PP/02
CHAINAGE : 0+300 to 0+600
SHEET NO : 02/14



IP No.	COORDINATES(m)		W/CB (CHMS)	DIST. (m)	DEF. ANG. (CHMS)	TAN. LEN. (m)	SIMPLE CURVE DATA			CHAINAGE		
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC	MC	EC
1	42923.238	303940.464	69.39.40.71	191.160	00.16.57.03	3.480	1500.000	0.004	6.960	0+481.285	0+484.768	0+491.288
2	43015.820	303850.947	46.51.31.68	289.931	22.39.50.02	13.019	65.000	1.231	25.636	0+782.200	0+781.049	0+783.899
3	43016.872	303861.812	44.44.46.98	169.999	06.07.42.08	10.238	305.000	0.432	32.446	0+934.040	0+930.963	0+937.081



DESIGN LEVEL(m)	97.119	97.080	97.040	97.001	96.962	96.923	96.906	96.915	96.958	97.001	97.043	97.086	97.129	97.172	97.214	97.257
EXISTING LEVEL(m)	96.619	96.486	96.452	96.628	96.673	96.746	96.808	96.834	96.832	96.915	96.886	96.939	97.081	96.964	96.938	96.965
CHAINAGE(Km)	0+600	0+620	0+640	0+660	0+680	0+700	0+720	0+740	0+760	0+780	0+800	0+820	0+840	0+860	0+880	0+900
HORIZONTAL SCHEMATIC	L=168.200						L = 25.698 R = 65			L=106.101						
SUPER ELEVATION SCHEMATIC	SE:2.5%															
CUT/FILL (m)	0.500	0.593	0.588	0.374	0.289	0.177	0.098	0.081	0.126	0.086	0.157	0.147	0.048	0.218	0.276	0.293

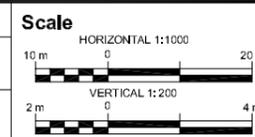


Department of Urban Development & Building Construction (DUDBC)
Regional Urban Development Project (RUDP)
 West Urban Corridor (WUC) Development Project
 Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
 DOHWA Engineering Co. Ltd.
 In Association with
ERMIC (P.) Ltd., SILT Consultants (P.) Ltd., and DIGICON (P.) Ltd.
 Mid- Baneshwor, Kathmandu
 Tel: 01-4589393

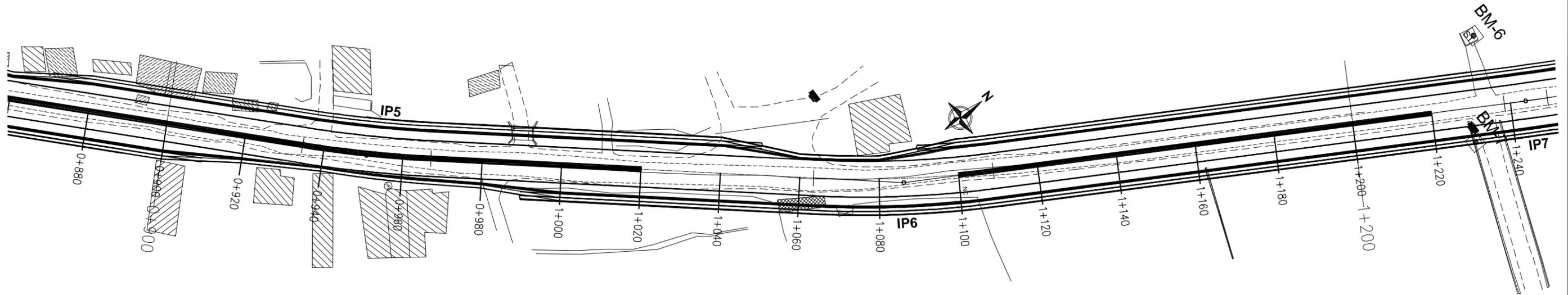
Consultant
Team Leader : YOO CHANGMIN
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Designed By : SABIN BAJRACHARYA

Client
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Checked By :

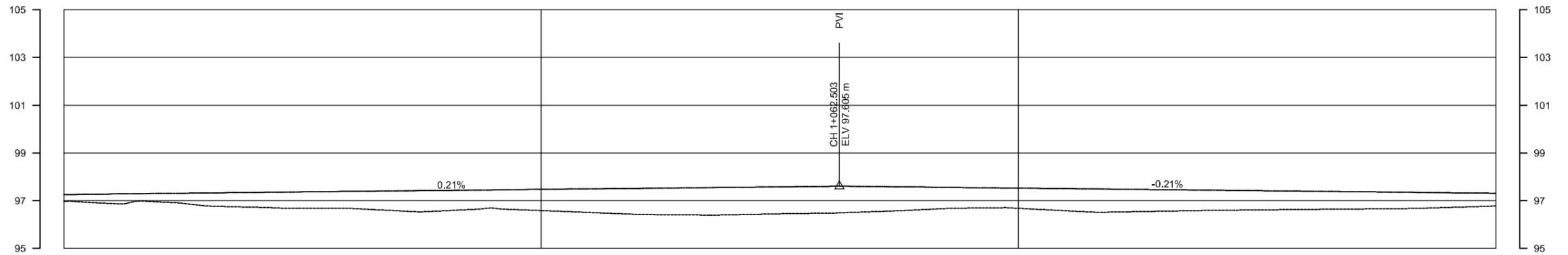


Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/RD/PP/03
CHAINAGE : 0+600 to 0+900
SHEET NO : 03/14



IP No.	COORDINATES(m)		WCB (CHMS)	DIST. (m)	DEF. ANG. (CHMS)	TAN. LEN. (m)	SIMPLE CURVE DATA				CHAINAGE			
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC	MC	EC	IP	
1	430318.872	3030919.192	40+45+48.98	169.999	06+06+42.68	16.238	305.000	0.432	32.446	0+934.640	0+950.863	0+967.086	0+983.309	0+999.532
2	430407.252	3030721.712	30+25+57.68	135.357	10+25+59.39	22.710	250.000	1.029	45.295	1+003.492	1+088.143	1+103.790	1+119.437	1+082.205
3	430407.260	3030867.660	29+29+23.36	137.833	09+59+34.43	34.452	700.000	0.021	10.808	1+238.458	1+243.913	1+249.368	1+254.823	1+243.873



DESIGN LEVEL(m)	97.257	97.300	97.343	97.385	97.428	97.471	97.514	97.557	97.599	97.567	97.524	97.482	97.439	97.396	97.353	97.310
EXISTING LEVEL(m)	96.965	96.946	96.725	96.677	96.577	96.563	96.424	96.409	96.477	96.623	96.678	96.522	96.589	96.631	96.667	96.776
CHAINAGE(Km)	0+900	0+920	0+940	0+960	0+980	1+000	1+020	1+040	1+060	1+080	1+100	1+120	1+140	1+160	1+180	1+200
HORIZONTAL SCHEMATIC	L=34.640		L=32.446 R=305		L=96.409				L=45.295 R=250		L=91.210					
SUPER ELEVATION SCHEMATIC	SE:2.5%															
CUT/FILL (m)	0.293	0.354	0.618	0.708	0.851	0.888	1.089	1.148	1.123	0.944	0.846	0.960	0.849	0.765	0.686	0.534

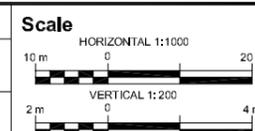


Department of Urban Development & Building Construction (DUBC)
Regional Urban Development Project (RUDP)
 West Urban Corridor (WUC) Development Project
 Babarmahal, Kathmandu, Nepal

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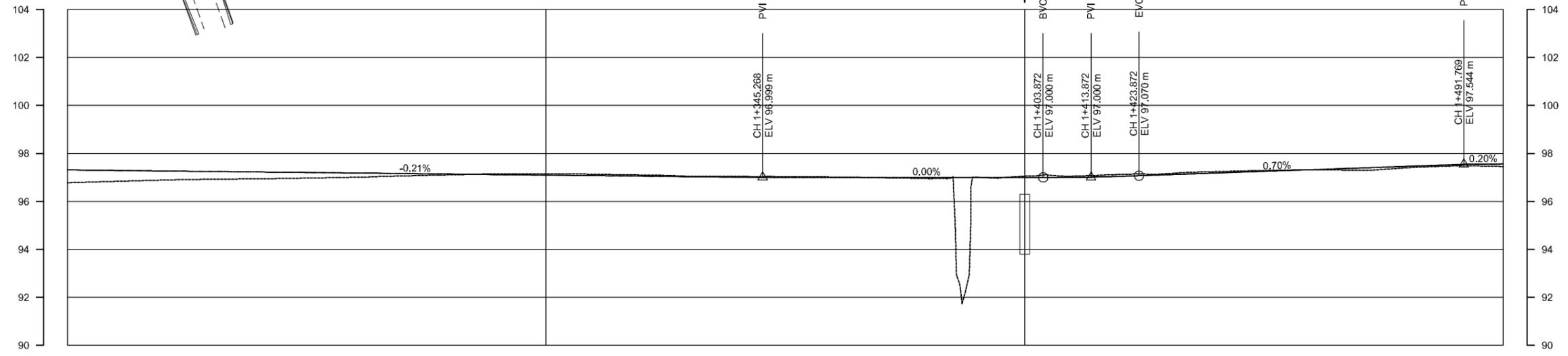
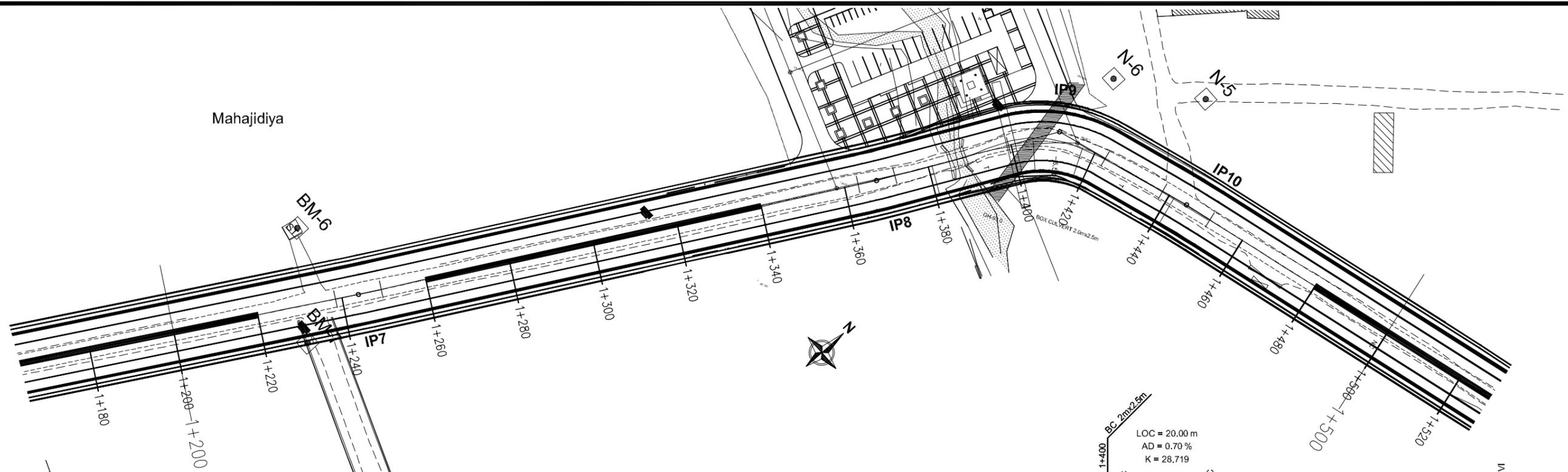
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



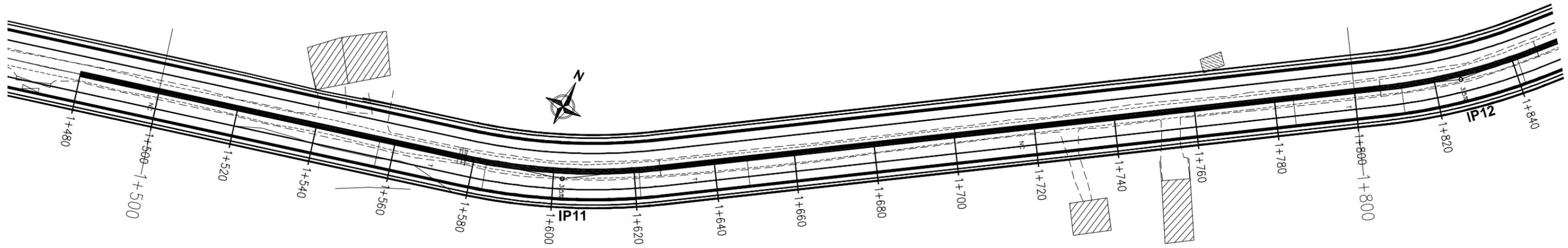
Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/RD/PP/14
CHAINAGE : 0+900 to 1+200
SHEET NO : 04/14

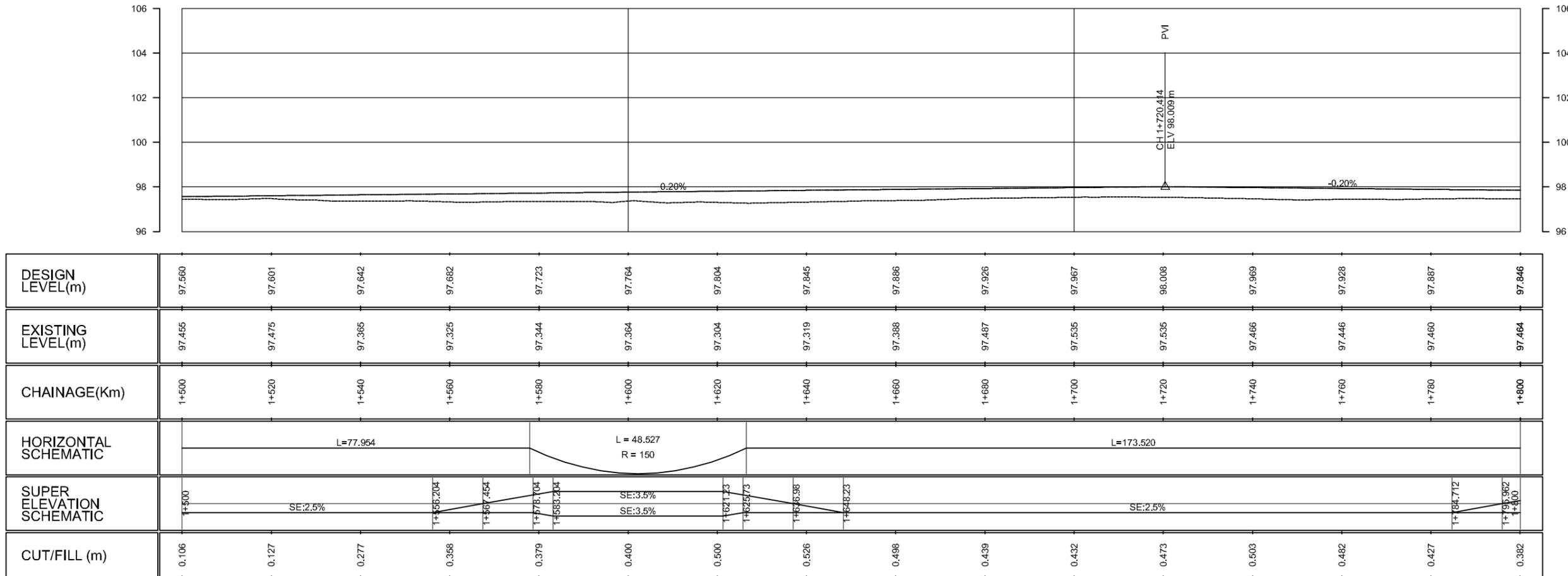


IP No.	COORDINATES(m)		WCB (CHMS)	DIST. (m)	DEF. ANG. (CHMS)	TAN. LEN. (m)	SIMPLE CURVE DATA			CHAINAGE			
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC	MC	EC	IP
7	43947.080	309867.669	20.20.23.56	167.853	00.55.34.43	5.456	700.000	0.021	10.909	11.243.913	11.249.367	11.243.913	11.243.913
8	43947.655	309865.511	27.01.47.68	123.663	02.27.36.70	4.401	205.000	0.047	8.631	11.363.174	11.367.575	11.371.076	11.367.575
9	43950.017	309804.633	71.46.53.03	44.144	44.44.15.17	12.346	30.000	2.441	23.425	11.388.372	11.411.055	11.422.797	11.417.718
10	43960.438	304075.912	74.11.2.08	34.133	02.24.59.06	8.433	305.000	0.068	12.863	11.438.151	11.444.562	11.451.014	11.444.563

DESIGN LEVEL(m)	EXISTING LEVEL(m)	CHAINAGE(Km)	HORIZONTAL SCHEMATIC	SUPER ELEVATION SCHEMATIC	CUT/FILL (m)
97.310	96.776	1+200		SE:2.5%	0.534
97.267	96.888	1+220	L=38.458		0.380
97.224	96.943	1+240	L=10.909 R=700		0.281
97.182	97.005	1+260	L=113.807		0.176
97.139	97.107	1+280			0.032
97.096	97.144	1+300			-0.048
97.053	97.100	1+320			-0.047
97.010	97.038	1+340			-0.028
96.999	97.017	1+360	L=8.601 R=206		-0.018
96.999	96.950	1+380	L=27.397		0.050
97.000	97.052	1+400	L=23.425 R=30		-0.053
97.045	97.130	1+420	L=15.354		-0.085
97.182	97.240	1+440	L=12.863 R=305		-0.058
97.322	97.313	1+460			0.009
97.462	97.404	1+480	L=48.986		0.058
97.560	97.455	1+500		SE:2.5%	0.106



IP No.	COORDINATES(m)		WCB (CHMS)	DIST. (m)	DEF. ANG. (CHMS)	TAN. LEN. (m)	SIMPLE CURVE DATA			CHAINAGE			
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC	MC	EC	IP
10	43090.438	3040015.612	74+11+2.08	34.133	02+24+50.08	6.433	305.000	0.068	12.863	14+38+151	14+44+692	14+51+014	1+444.593
11	43072.309	3040058.554	85+35+53.30	187.849	18+32+3.79	24.477	150.000	1.884	48.527	14+77+054	14+82+217	14+88+680	1+802.421
12	43087.757	3040185.284	40+20+4.13	224.025	15+18+45.17	20.188	150.000	1.349	40.891	14+80+402	14+82+598	14+83+953	1+826.028

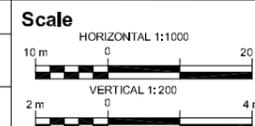


Department of Urban Development & Building Construction (DUDBC)
Regional Urban Development Project (RUDP)
 West Urban Corridor (WUC) Development Project
 Babarmahal, Kathmandu, Nepal

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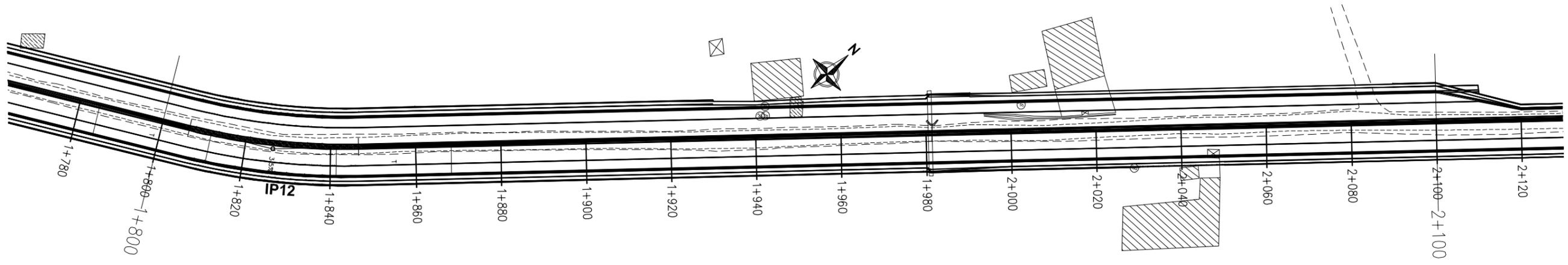
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :

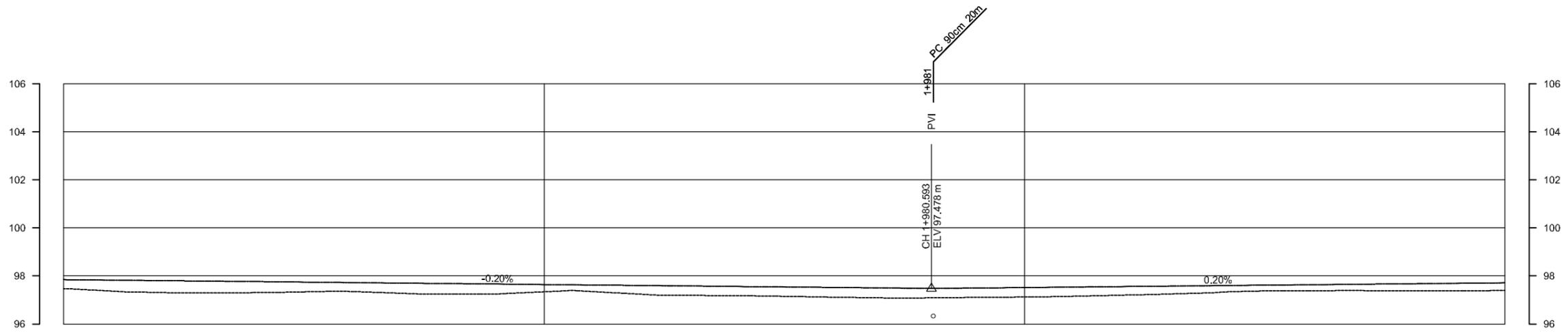


Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/RD/PP/06
CHAINAGE : 1+500 to 1+800
SHEET NO : 06/14



IP No.	COORDINATES(m)		WCB (D-M-S)	DIST. (m)	DEF. ANG. (D-M-S)	TAN. LEN. (m)	SIMPLE CURVE DATA			CHAINAGE			
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC	MC	EC	IP
12	439837.757	3040185.284	40+28+7.13	224.025	15-16+31.17	20.166	150.000	1.349	40.091	1+800.462	1+826.506	1+846.553	1+826.628
13	437246.745	3040248.478	40+46+25.27	478.480	06+26+21.14	1.443	350.000	0.003	2.887	2+301.404	2+302.648	2+304.281	2+302.888



DESIGN LEVEL(m)	EXISTING LEVEL(m)	CHAINAGE(Km)	HORIZONTAL SCHEMATIC	SUPER ELEVATION SCHEMATIC	CUT/FILL (m)
97.846	97.464	1+800	L=6.462	SE:3.5%	0.382
97.805	97.310	1+820			0.496
97.765	97.306	1+840	L = 40.091 R = 150	SE:3.5%	0.459
97.724	97.352	1+860			0.372
97.683	97.245	1+880	L=253.447	SE:2.5%	0.438
97.642	97.341	1+900			0.301
97.601	97.241	1+920			0.361
97.561	97.183	1+940			0.377
97.520	97.115	1+960			0.405
97.479	97.086	1+980			0.393
97.516	97.123	2+000			0.393
97.555	97.199	2+020			0.356
97.596	97.310	2+040			0.285
97.634	97.377	2+060			0.256
97.674	97.379	2+080			0.295
97.713	97.403	2+100			0.310

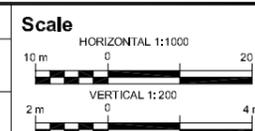


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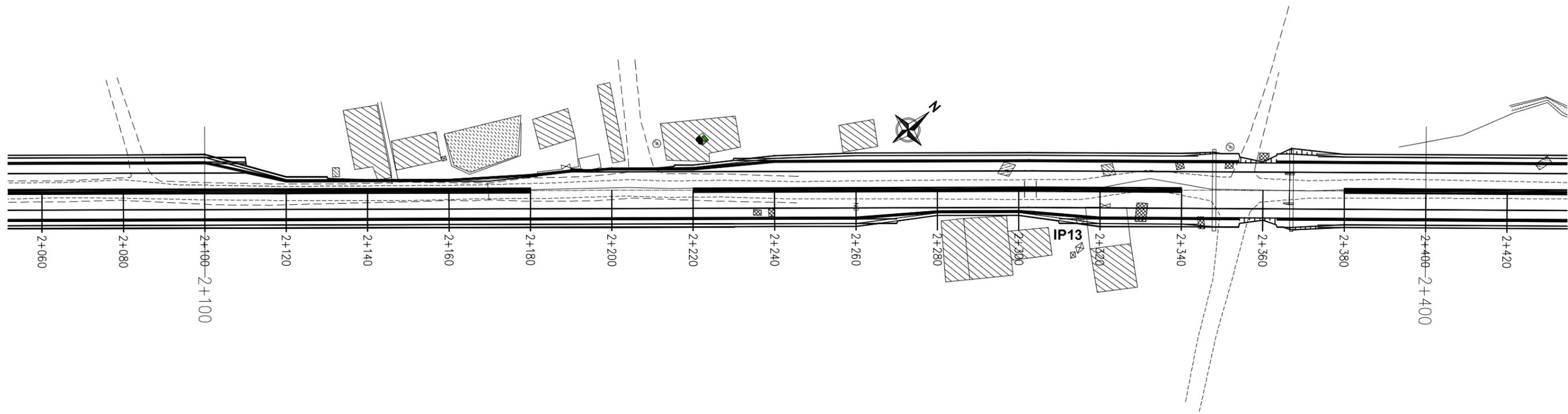
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

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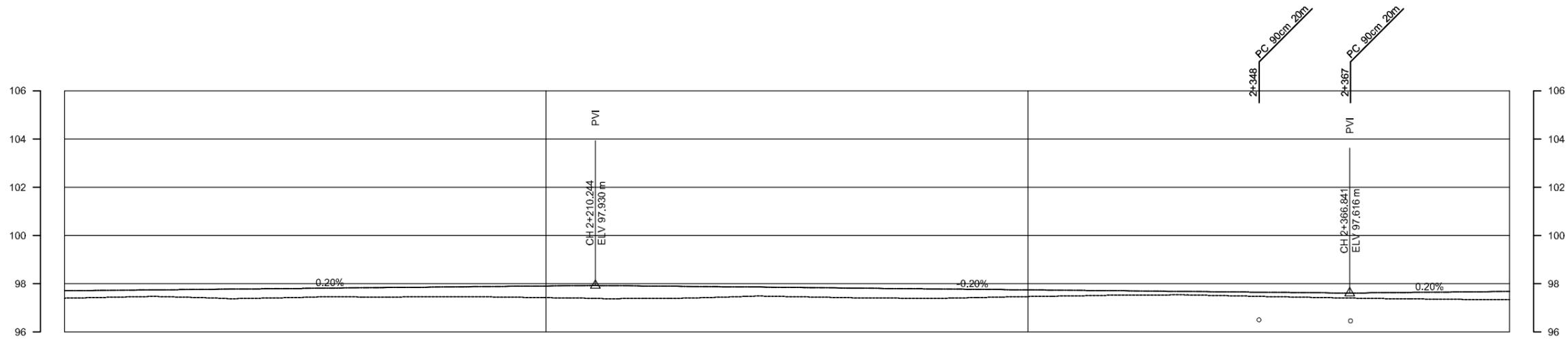


Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

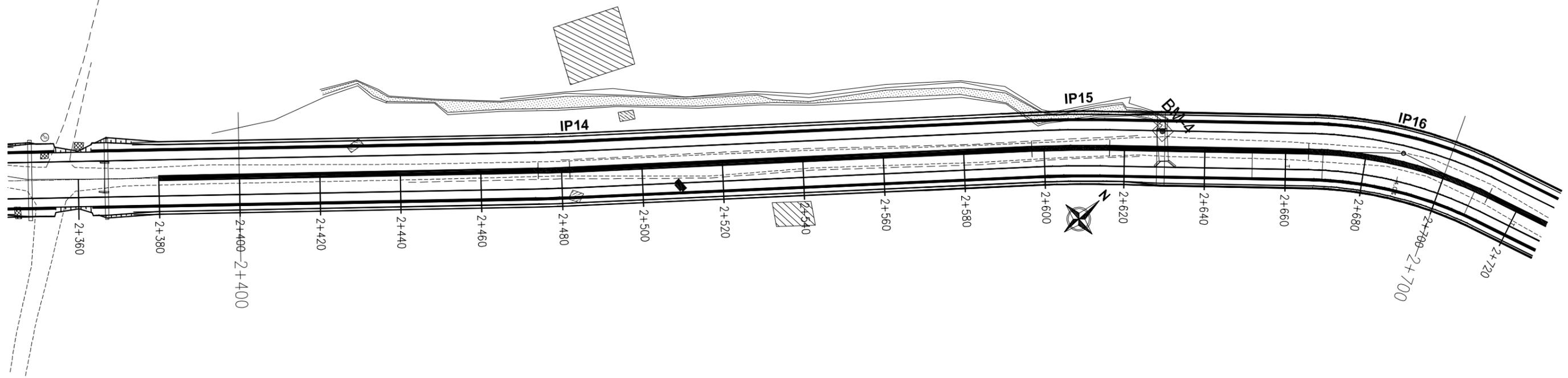
REV : DEC 2024
DRG NO : LSM/RD/PP/07
CHAINAGE : 1+800 to 2+100
SHEET NO : 07/14



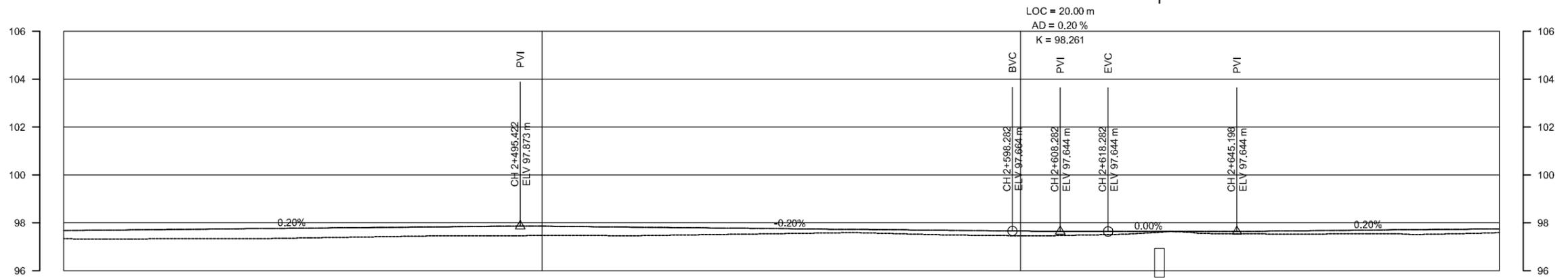
IP No.	CO-ORDINATES(m)		WCB (D-M-S)	DIST. (m)	DEF. ANG. (D-M-S)	TAN. LEN. (m)	SIMPLE CURVE DATA				CHAINAGE				
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC (m)	MC (m)	EC (m)	IP (m)		
13	431360.687	304056.479	00+66-25.27	476.460	00-28-21.11	1371.1	350.000	0.003	2.887	1501.404	1474.188	1302.848	1302.848	1302.848	1302.848
14	431360.687	304088.145	38+184+8.16	175.272	00-28-26.11	1371.1	305.000	0.025	7.861	1474.188	1474.188	1474.188	1474.188	1474.188	1474.188



DESIGN LEVEL(m)	97.713	97.752	97.792	97.831	97.870	97.909	97.948	97.987	98.026	98.065	98.104	98.143	98.182	98.221	98.260	98.299	98.338	98.377	98.416	98.455	98.494	98.533	98.572	98.611	98.650	98.689	98.728	98.767	98.806	98.845	98.884	98.923	98.962	98.999	99.038	99.077	99.116	99.155	99.194	99.233	99.272	99.311	99.350	99.389	99.428	99.467	99.506	99.545	99.584	99.623	99.662	99.701	99.740	99.779	99.818	99.857	99.896	99.935	99.974	100.013	100.052	100.091	100.130	100.169	100.208	100.247	100.286	100.325	100.364	100.403	100.442	100.481	100.520	100.559	100.598	100.637	100.676	100.715	100.754	100.793	100.832	100.871	100.910	100.949	100.988	101.027	101.066	101.105	101.144	101.183	101.222	101.261	101.300	101.339	101.378	101.417	101.456	101.495	101.534	101.573	101.612	101.651	101.690	101.729	101.768	101.807	101.846	101.885	101.924	101.963	102.002	102.041	102.080	102.119	102.158	102.197	102.236	102.275	102.314	102.353	102.392	102.431	102.470	102.509	102.548	102.587	102.626	102.665	102.704	102.743	102.782	102.821	102.860	102.899	102.938	102.977	103.016	103.055	103.094	103.133	103.172	103.211	103.250	103.289	103.328	103.367	103.406	103.445	103.484	103.523	103.562	103.601	103.640	103.679	103.718	103.757	103.796	103.835	103.874	103.913	103.952	103.991	104.030	104.069	104.108	104.147	104.186	104.225	104.264	104.303	104.342	104.381	104.420	104.459	104.498	104.537	104.576	104.615	104.654	104.693	104.732	104.771	104.810	104.849	104.888	104.927	104.966	105.005	105.044	105.083	105.122	105.161	105.200	105.239	105.278	105.317	105.356	105.395	105.434	105.473	105.512	105.551	105.590	105.629	105.668	105.707	105.746	105.785	105.824	105.863	105.902	105.941	105.980	106.019	106.058	106.097	106.136	106.175	106.214	106.253	106.292	106.331	106.370	106.409	106.448	106.487	106.526	106.565	106.604	106.643	106.682	106.721	106.760	106.799	106.838	106.877	106.916	106.955	106.994	107.033	107.072	107.111	107.150	107.189	107.228	107.267	107.306	107.345	107.384	107.423	107.462	107.501	107.540	107.579	107.618	107.657	107.696	107.735	107.774	107.813	107.852	107.891	107.930	107.969	108.008	108.047	108.086	108.125	108.164	108.203	108.242	108.281	108.320	108.359	108.398	108.437	108.476	108.515	108.554	108.593	108.632	108.671	108.710	108.749	108.788	108.827	108.866	108.905	108.944	108.983	109.022	109.061	109.100	109.139	109.178	109.217	109.256	109.295	109.334	109.373	109.412	109.451	109.490	109.529	109.568	109.607	109.646	109.685	109.724	109.763	109.802	109.841	109.880	109.919	109.958	109.997	110.036	110.075	110.114	110.153	110.192	110.231	110.270	110.309	110.348	110.387	110.426	110.465	110.504	110.543	110.582	110.621	110.660	110.699	110.738	110.777	110.816	110.855	110.894	110.933	110.972	111.011	111.050	111.089	111.128	111.167	111.206	111.245	111.284	111.323	111.362	111.401	111.440	111.479	111.518	111.557	111.596	111.635	111.674	111.713	111.752	111.791	111.830	111.869	111.908	111.947	111.986	112.025	112.064	112.103	112.142	112.181	112.220	112.259	112.298	112.337	112.376	112.415	112.454	112.493	112.532	112.571	112.610	112.649	112.688	112.727	112.766	112.805	112.844	112.883	112.922	112.961	112.999	113.038	113.077	113.116	113.155	113.194	113.233	113.272	113.311	113.350	113.389	113.428	113.467	113.506	113.545	113.584	113.623	113.662	113.701	113.740	113.779	113.818	113.857	113.896	113.935	113.974	114.013	114.052	114.091	114.130	114.169	114.208	114.247	114.286	114.325	114.364	114.403	114.442	114.481	114.520	114.559	114.598	114.637	114.676	114.715	114.754	114.793	114.832	114.871	114.910	114.949	114.988	115.027	115.066	115.105	115.144	115.183	115.222	115.261	115.300	115.339	115.378	115.417	115.456	115.495	115.534	115.573	115.612	115.651	115.690	115.729	115.768	115.807	115.846	115.885	115.924	115.963	116.002	116.041	116.080	116.119	116.158	116.197	116.236	116.275	116.314	116.353	116.392	116.431	116.470	116.509	116.548	116.587	116.626	116.665	116.704	116.743	116.782	116.821	116.860	116.899	116.938	116.977	117.016	117.055	117.094	117.133	117.172	117.211	117.250	117.289	117.328	117.367	117.406	117.445	117.484	117.523	117.562	117.601	117.640	117.679	117.718	117.757	117.796	117.835	117.874	117.913	117.952	117.991	118.030	118.069	118.108	118.147	118.186	118.225	118.264	118.303	118.342	118.381	118.420	118.459	118.498	118.537	118.576	118.615	118.654	118.693	118.732	118.771	118.810	118.849	118.888	118.927	118.966	119.005	119.044	119.083	119.122	119.161	119.200	119.239	119.278	119.317	119.356	119.395	119.434	119.473	119.512	119.551	119.590	119.629	119.668	119.707	119.746	119.785	119.824	119.863	119.902	119.941	119.980	120.019	120.058	120.097	120.136	120.175	120.214	120.253	120.292	120.331	120.370	120.409	120.448	120.487	120.526	120.565	120.604	120.643	120.682	120.721	120.760	120.799	120.838	120.877	120.916	120.955	120.994	121.033	121.072	121.111	121.150	121.189	121.228	121.267	121.306	121.345	121.384	121.423	121.462	121.501	121.540	121.579	121.618	121.657	121.696	121.735	121.774	121.813	121.852	121.891	121.930	121.969	122.008	122.047	122.086	122.125	122.164	122.203	122.242	122.281	122.320	122.359	122.398	122.437	122.476	122.515	122.554	122.593	122.632	122.671	122.710	122.749	122.788	122.827	122.866	122.905	122.944	122.983	123.022	123.061	123.100	123.139	123.178	123.217	123.256	123.295	123.334	123.373	123.412	123.451	123.490	123.529	123.568	123.607	123.646	123.685	123.724	123.763	123.802	123.841	123.880	123.919	123.958	123.997	124.036	124.075	124.114	124.153	124.192	124.231	124.270	124.309	124.348	124.387	124.426	124.465	124.504	124.543	124.582	124.621	124.660	124.699	124.738	124.777	124.816	124.855	124.894	124.933	124.972	125.011	125.050	125.089	125.128	125.167	125.206	125.245	125.284	125.323	125.362	125.401	125.440	125.479	125.518	125.557	125.596	125.635	125.674	125.713	125.752	125.791	125.830	125.869	125.908	125.947	125.986	126.025	126.064	126.103	126.142	126.181	126.220	126.259	126.298	126.337	126.376	126.415	126.454	126.493	126.532	126.571	126.610	126.649	126.688	126.727	126.766	126.805	126.844	126.883	126.922	126.961	127.000	127.039	127.078	127.117	127.156	127.195	127.234	127.273	127.312	127.351	127.390	127.429	127.468	127.507	127.546	127.585	127.624	127.663	127.702	127.741	127.780	127.819	127.858	127.897	127.936	127.975	128.014	128.053	128.092	128.131	128.170	128.209	128.248	128.287	128.326	128.365	128.404	128.443	128.482	128.521	128.560	128.599	128.638	128.677	128.716	128.755	128.794	128.833	128.872	128.911	128.950	128.989	129.028	129.067	129.106	129.145	129.184	129.223	129.262	129.301	129.340	129.379	129.418	129.457	129.496	129.535	129.574	129.613	129.652	129.691	129.730	129.769	129.808	129.847	129.886	129.925	129.964	130.003	130.042	130.081	130.120	130.159	130.198	130.237	130.276	130.315	130.354	130.393	130.432	130.471	130.510	130.549	130.588	130.627	130.666	130.705	130.744	130.783	130.822	130.861	130.900	130.939	130.978	131.017	131.056	131.095	131.134	131.173	131.212	131.251	131.290	131.329	131.368	131.407	131.446	131.485	131.524	131.563	131.602	131.641	131.680	131.719	131.758	131.797	131.836	131.875	131.914	131.953	131.992	132.031	132.070	132.109	132.148	132.18
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IP No.	CO-ORDINATES(m)		WCB (D.M.S)	DIST. (m)	DEF ANG. (D.M.S)	TAN LEN. (m)	SIMPLE CURVE DATA			CHAINAGE			
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC (m)	MC	EC	IP
14	431380.087	3040881.145	38-18-48.16	175.272	01-28-36.11	3.931	305.000	0.02%	7.661	2+474.189	2+479.119	2+482.050	2+478.120
15	431442.146	3040780.591	42-57-38.38	128.526	03-37-49.22	9.666	305.000	0.15%	19.325	2+596.979	2+609.842	2+616.304	2+606.645
16	431488.476	3040984.050	68-16-34.31	82.656	25-18-55.83	23.561	105.000	2.51%	46.393	2+665.713	2+688.310	2+712.106	2+699.295



DESIGN LEVEL(m)	97.682	97.722	97.762	97.803	97.843	97.864	97.823	97.783	97.742	97.701	97.661	97.644	97.644	97.674	97.714	97.754
EXISTING LEVEL(m)	97.338	97.337	97.351	97.405	97.466	97.472	97.469	97.524	97.582	97.520	97.466	97.518	97.555	97.523	97.536	97.594
CHAINAGE(Km)	2+400	2+420	2+440	2+460	2+480	2+500	2+520	2+540	2+560	2+580	2+600	2+620	2+640	2+660	2+680	2+700
HORIZONTAL SCHEMATIC	L=74.189		L=74.189		L=74.189		L=114.930		L=114.930		L=19.325 R=305		L=49.409		L=46.393 R=105	
SUPER ELEVATION SCHEMATIC	SE:2.5%															
CUT/FILL (m)	0.344	0.385	0.412	0.398	0.377	0.392	0.355	0.258	0.160	0.181	0.195	0.125	0.088	0.151	0.178	0.160

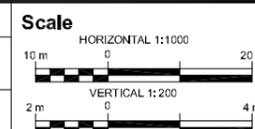


Department of Urban Development & Building Construction (DUDBC)
Regional Urban Development Project (RUDP)
 West Urban Corridor (WUC) Development Project
 Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
 DOHWA Engineering Co. Ltd.
 In Association with
 ERM (P.) Ltd., SILT Consultants (P.) Ltd., and
 DIGICON (P.) Ltd.
 Mid- Baneshwor, Kathmandu
 Tel: 01-4589393

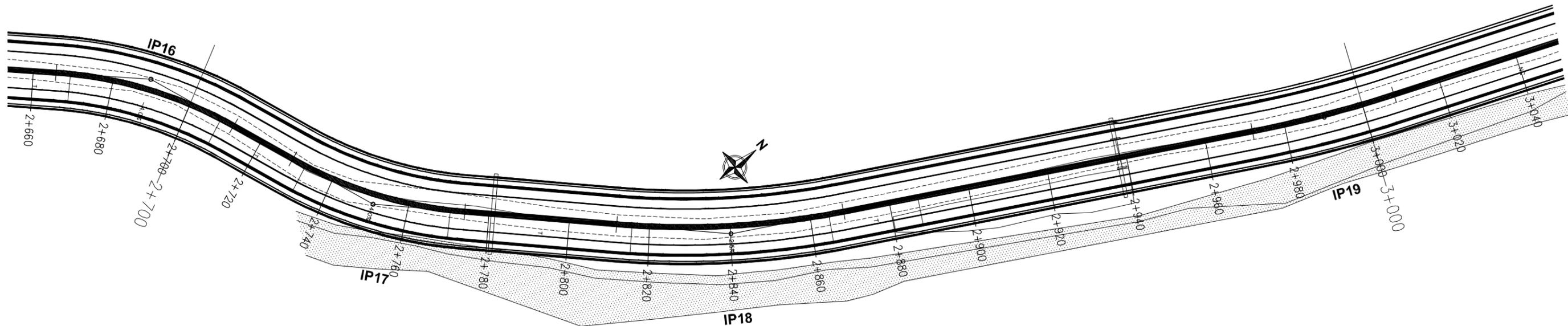
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :

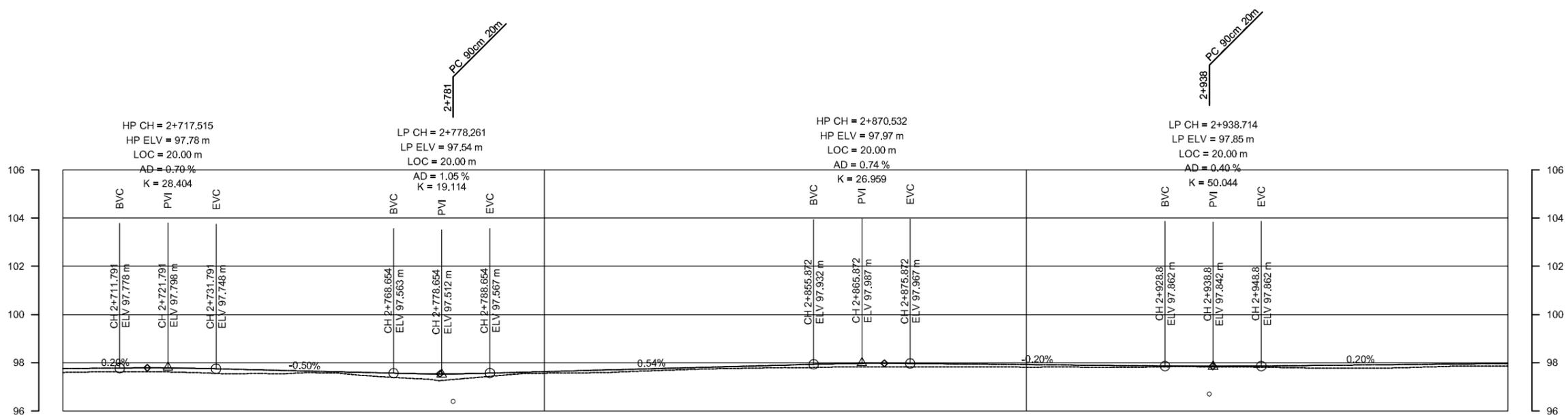


Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/RD/PP/09
CHAINAGE : 2+400 to 2+700
SHEET NO : 09/14



IP No.	CO-ORDINATES(m)		WCB (D+MS)	DIST. (m)	DEF. ANG. (D+MS)	TAN. LEN. (m)	SIMPLE CURVE DATA				CHAINAGE			
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC (m)	MC (m)	EC (m)	IP (m)	
16	431439.476	304084.150	65-15-54.31	82.656	25-15-55.93	23.561	195.000	2.815	46.393	2+686.910	2+712.106	2+686.295	2+686.295	
17	431457.252	304084.469	43-41-1.98	63.270	24-35-52.33	22.866	195.000	2.465	45.068	2+728.998	2+751.442	2+751.795	2+751.795	
18	431618.866	3040928.001	27-52-1.21	89.237	15-49-53.77	26.477	205.000	1.868	56.692	2+811.650	2+840.146	2+840.327	2+840.327	
19	431689.064	3041061.728	21-52-24.80	150.136	06-49-36.41	16.192	395.000	0.542	36.341	2+971.811	2+990.081	2+990.251	2+990.103	



DESIGN LEVEL(m)	97.764	97.763	97.707	97.606	97.539	97.628	97.737	97.846	97.951	97.969	97.919	97.879	97.852	97.885	97.925	97.965
EXISTING LEVEL(m)	97.594	97.624	97.551	97.509	97.286	97.562	97.650	97.762	97.817	97.829	97.815	97.809	97.830	97.768	97.802	97.856
CHAINAGE(Km)	2+700	2+720	2+740	2+760	2+780	2+800	2+820	2+840	2+860	2+880	2+900	2+920	2+940	2+960	2+980	3+000
HORIZONTAL SCHEMATIC	L = 46.393, R = 105		L = 16.302		L = 45.068, R = 105		L = 37.874		L = 56.592, R = 205		L = 103.469		L = 36.341, R = 305			
SUPER ELEVATION SCHEMATIC	SE: -4%		SE: -4%		SE: 4%		SE: 4%		SE: 2.5%		SE: 2.5%		SE: 2.5%		SE: 2.5%	
CUT/FILL (m)	0.160	0.158	0.166	0.097	0.253	0.067	0.087	0.084	0.134	0.129	0.104	0.070	0.023	0.117	0.123	0.110

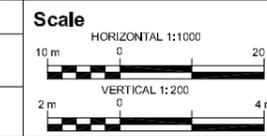


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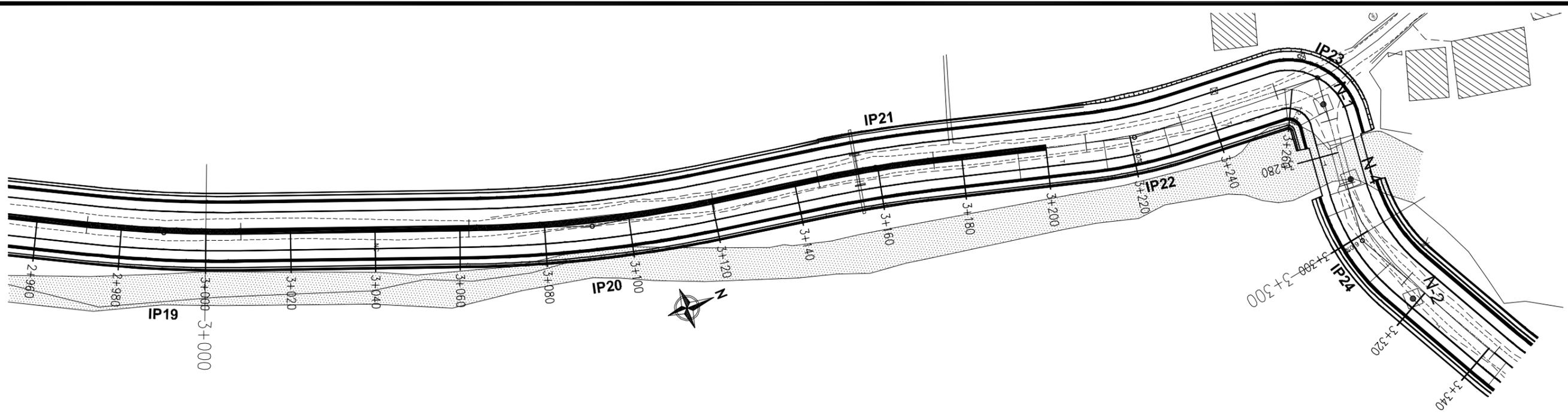
Consultant
Team Leader : YOO CHANGMIN
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Checked By :

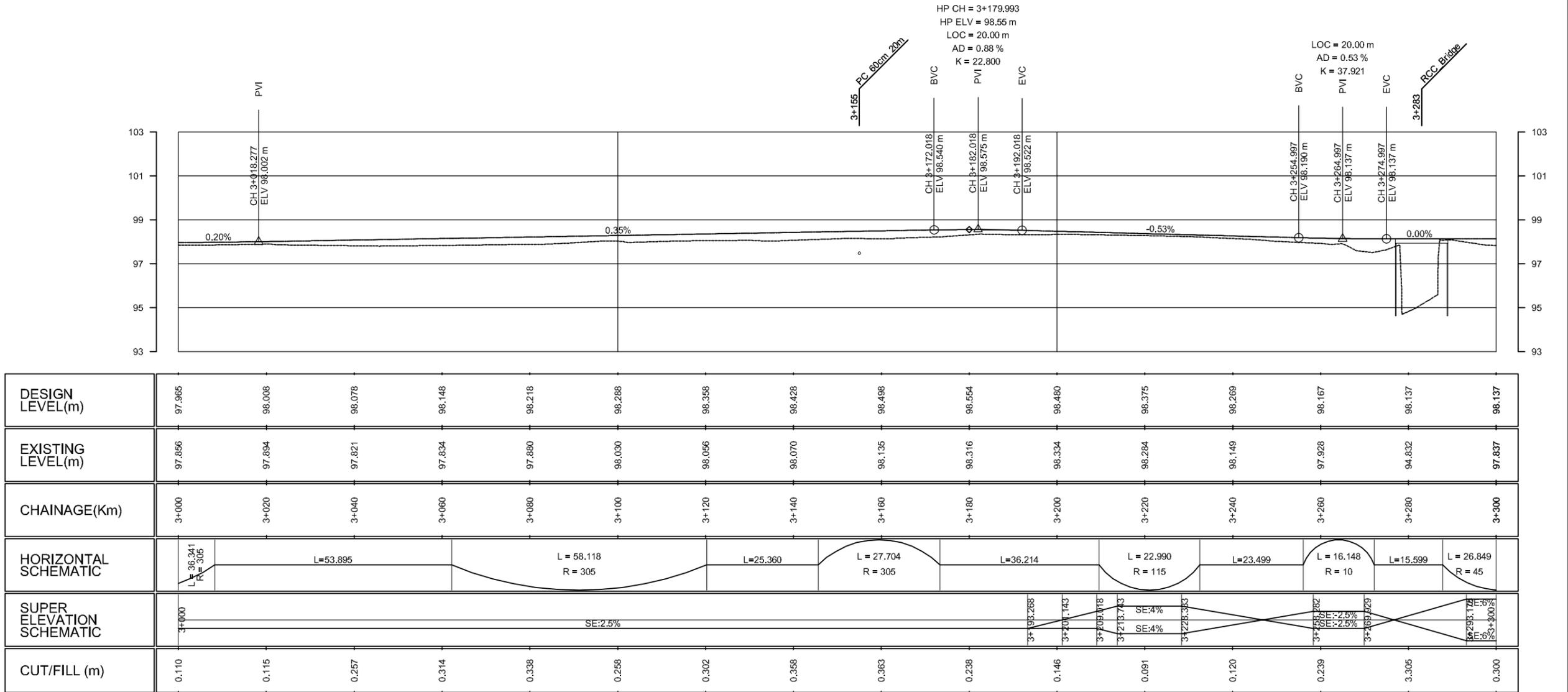


Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

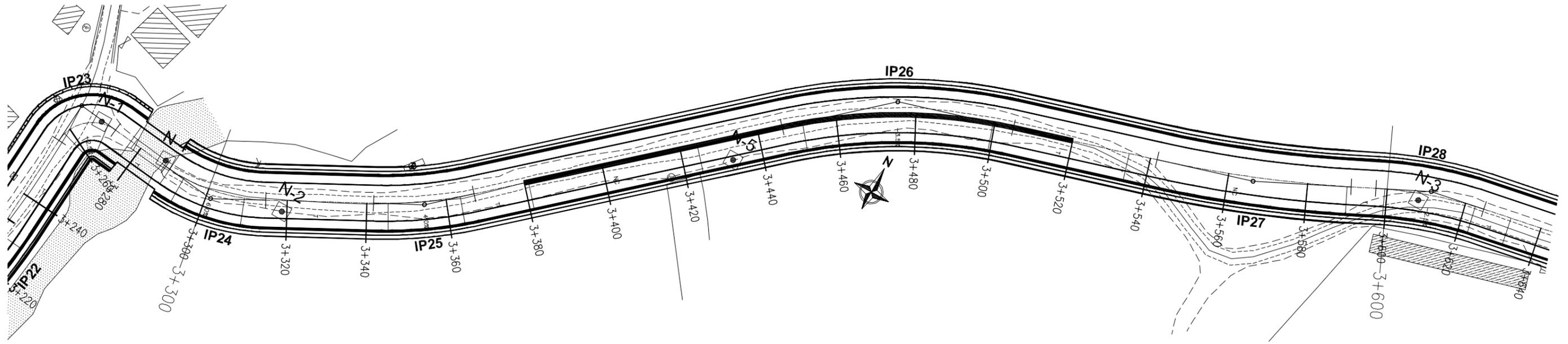
REV : DEC 2024
DRG NO : LSM/RD/PP/10
CHAINAGE : 2+700 to 3+000
SHEET NO : 10/14



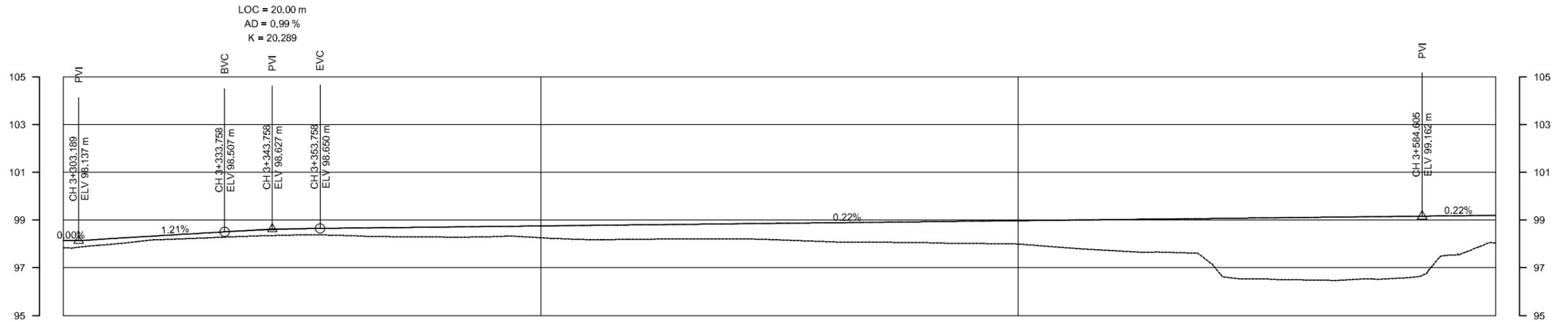
IP No.	COORDINATES(m)		WCB (CHMS)	DIST. (m)	DEF. ANG. (CHMS)	TAN. LEN. (m)	SIMPLE CURVE DATA			CHAINAGE			
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC	MC	EC	IP
18	431680.064	3041061.726	21.02-24.80	150.139	06-40-38.41	18.192	305.000	0.542	36.341	2+971.911	2+980.081	3+008.551	2+990.100
20	431725.090	3041156.213	10.07-20.70	101.294	10-55-03.09	29.147	305.000	1.300	65.118	3+022.146	3+031.295	3+120.265	3+091.294
21	431737.425	3041223.016	15-19-36.45	86.389	05-12-15.75	13.862	305.000	0.315	27.704	3+145.025	3+154.477	3+173.229	3+159.486
22	431753.710	3041282.935	05-52-21.27	61.699	11-27-15.18	11.533	115.000	0.577	22.890	3+206.543	3+221.038	3+232.533	3+221.076
23	431756.782	3041328.314	06-25-32.93	45.482	02-31-11.66	10.450	10.000	4.464	16.148	3+256.032	3+264.106	3+272.179	3+265.481
24	431786.420	3041323.873	02-12-27.46	39.886	04-11-15.47	13.837	45.000	2.079	26.849	3+287.778	3+301.203	3+314.627	3+301.616



DESIGN LEVEL(m)	EXISTING LEVEL(m)	CHAINAGE(Km)	HORIZONTAL SCHEMATIC	SUPER ELEVATION SCHEMATIC	CUT/FILL (m)
97.965	97.856	3+000	L=36.341 R=305		0.110
98.008	97.894	3+020	L=53.895	SE:2.5%	0.115
98.078	97.921	3+040			0.257
98.148	97.834	3+060			0.314
98.218	97.880	3+080	L=58.118 R=305		0.338
98.288	98.030	3+100			0.258
98.358	98.056	3+120	L=25.360		0.302
98.428	98.070	3+140	L=27.704 R=305		0.368
98.498	98.135	3+160			0.363
98.554	98.316	3+180	L=36.214		0.238
98.480	98.334	3+200			0.146
98.375	98.284	3+220	L=22.990 R=115	SE:4%	0.091
98.269	98.149	3+240	L=23.499	SE:4%	0.120
98.167	97.928	3+260	L=16.148 R=10	SE:2.5%	0.239
98.137	94.832	3+280	L=15.599	SE:2.5%	3.305
98.137	97.837	3+300	L=26.849 R=45	SE:2.5%	0.300



IP No.	COORDINATES(m)		WCB (D-M-S)	DIST. (m)	DEF. ANG. (D-M-S)	TAN. LEN. (m)	SIMPLE CURVE DATA			CHAINAGE			
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC	MC	EC	IP
24	431786.520	3041323.871	63-12-27.48	39.886	34-11-54.42	13.837	45.000	2.079	26.849	3+287.778	3+301.203	3+314.627	3+320.616
25	431843.324	3041346.911	48-19-40.04	53.886	15-52-41.42	12.779	105.000	0.725	25.433	3+341.709	3+354.225	3+367.742	3+374.488
26	431924.161	3041428.761	75-10-10.80	121.607	24-59-35.56	29.734	135.000	3.238	58.534	3+446.235	3+475.502	3+504.769	3+520.970
27	432022.189	3041456.206	65-55-28.72	91.349	08-14-59.88	24.667	395.000	0.986	48.227	3+541.717	3+566.330	3+590.944	3+606.394
28	432062.455	3041475.906	79-02-37.50	44.819	15-07-2.18	13.935	105.000	0.821	27.707	3+597.161	3+611.015	3+624.869	3+631.095



CHAINAGE(Km)	DESIGN LEVEL(m)	EXISTING LEVEL(m)	CUT/FILL (m)
3+300	98.137	97.837	0.300
3+320	98.340	98.175	0.165
3+340	98.572	98.330	0.243
3+360	98.663	98.345	0.319
3+380	98.708	98.284	0.424
3+400	98.752	98.256	0.496
3+420	98.797	98.197	0.600
3+440	98.841	98.210	0.631
3+460	98.886	98.095	0.790
3+480	98.930	98.055	0.875
3+500	98.974	97.995	0.980
3+520	99.019	97.715	1.304
3+540	99.063	97.248	1.815
3+560	99.108	96.491	2.617
3+580	99.152	96.566	2.587
3+600	99.196	98.043	1.153

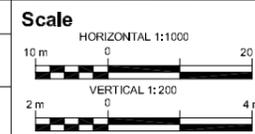


Department of Urban Development & Building Construction (DUBC)
Regional Urban Development Project (RUDP)
 West Urban Corridor (WUC) Development Project
 Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
 DOHWA Engineering Co. Ltd.
 In Association with
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 Mid-Baneshwor, Kathmandu
 Tel: 01-4589393

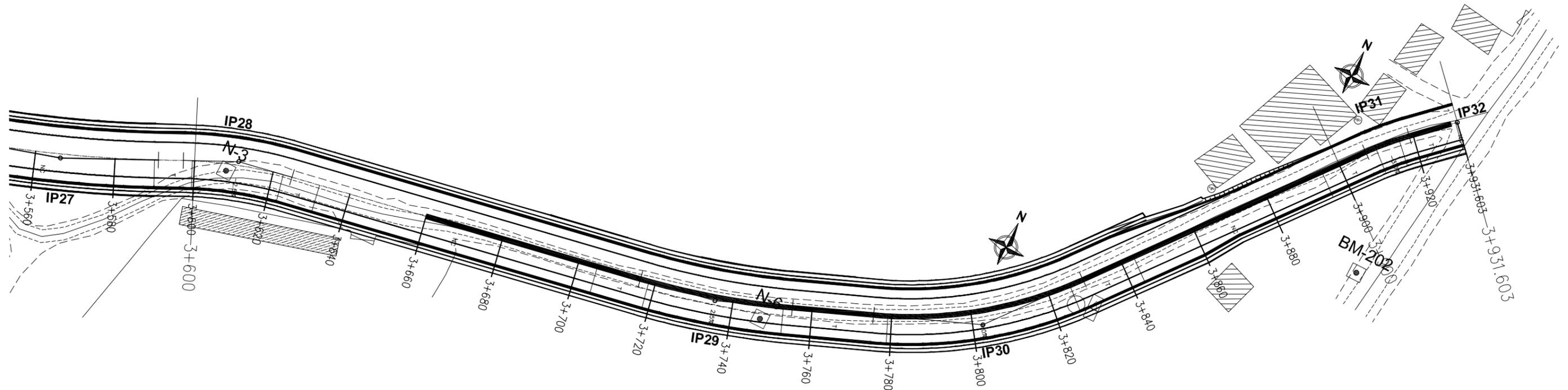
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :

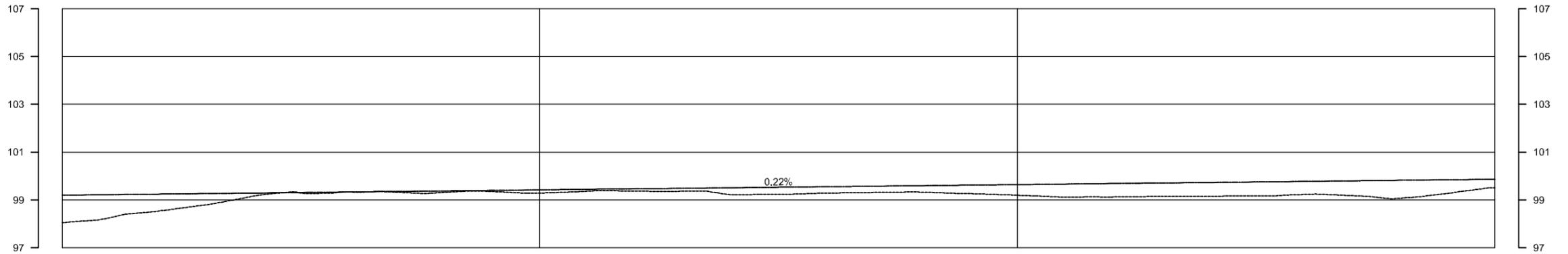


Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/RD/PP/12
CHAINAGE : 3+300 to 3+600
SHEET NO : 12/14



IP No.	CO-ORDINATES(m)		WCB (D+M-S)	DIST. (m)	DEF. ANG. (D+M-S)	TAN. LEN. (m)	SIMPLE CURVE DATA				CHAINAGE			
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC	MC	EC	IP	
26	432032.255	3041475.905	79-02-37.80	44.810	15-07-3.10	13.935	105.000	0.921	27.707	3+567.161	3+571.015	3+574.868	3+578.722	3+582.575
27	432186.888	3041488.603	67-54-22.77	124.885	11-08-15.13	19.500	200.000	0.948	38.877	3+716.118	3+735.557	3+754.996	3+774.435	3+793.874
30	432247.466	3041525.014	38-26-19.33	67.659	29-26-53.44	27.680	105.000	5.562	53.941	3+775.475	3+802.445	3+829.415	3+856.385	3+883.355
31	432316.750	3041612.203	46-46-52.35	111.966	06-16-35.02	5.811	80.000	0.211	11.602	3+907.391	3+913.192	3+918.993	3+924.794	3+930.595



DESIGN LEVEL(m)	99.196	99.241	99.285	99.330	99.374	99.418	99.463	99.507	99.551	99.596	99.640	99.684	99.729	99.773	99.818	99.862
EXISTING LEVEL(m)	98.043	98.528	99.157	99.327	99.311	99.287	99.367	99.217	99.290	99.323	99.196	99.123	99.150	99.227	99.066	99.504
CHAINAGE(Km)	3+600	3+620	3+640	3+660	3+680	3+700	3+720	3+740	3+760	3+780	3+800	3+820	3+840	3+860	3+880	3+900
HORIZONTAL SCHEMATIC	L = 27.707 R = 105		L = 91.250				L = 38.877 R = 200		L = 20.479		L = 53.941 R = 105		L = 70.584			
SUPER ELEVATION SCHEMATIC	SE: 2.5% SE: 2.5%		SE: 2.5%				SE: 2.5% SE: 2.5%		SE: 4% SE: 4%		SE: 4% SE: 4%		SE: 2.5%			
CUT/FILL (m)	1.153	0.713	0.128	0.002	0.063	0.131	0.096	0.290	0.261	0.272	0.444	0.562	0.579	0.546	0.751	0.358

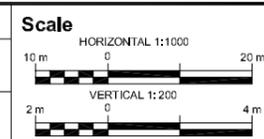


Department of Urban Development & Building Construction (DUDBC)
Regional Urban Development Project (RUDP)
 West Urban Corridor (WUC) Development Project
 Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
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 Tel: 01-4589393

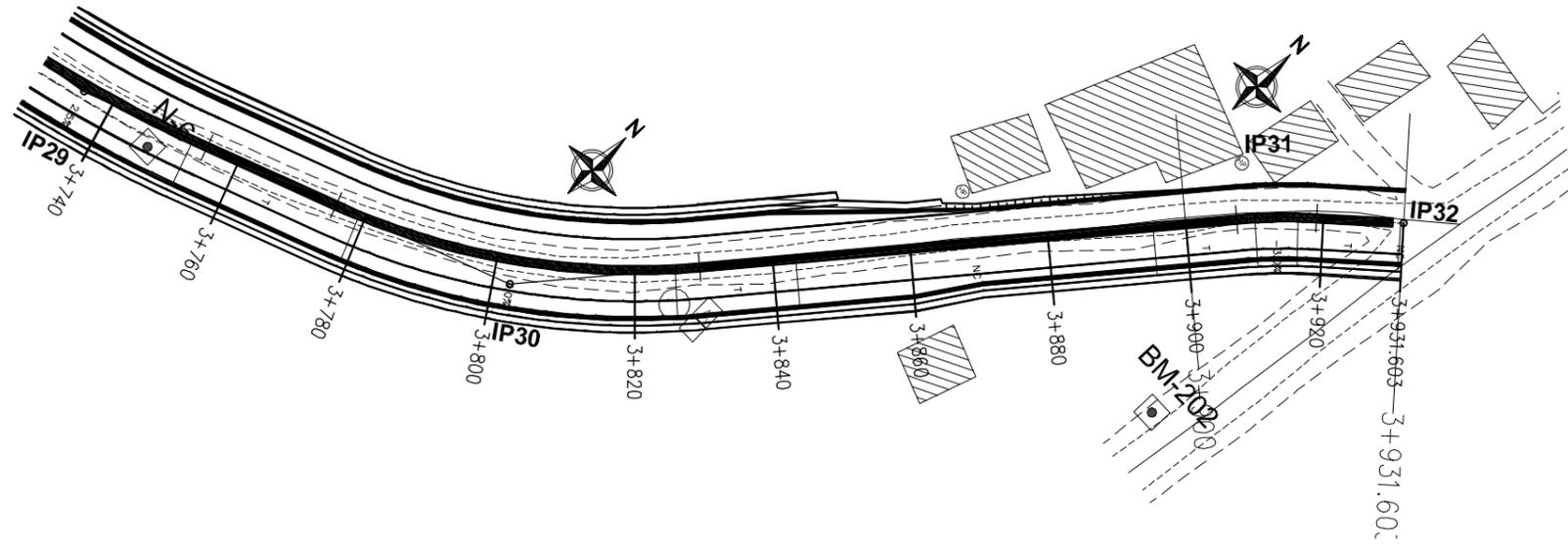
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :

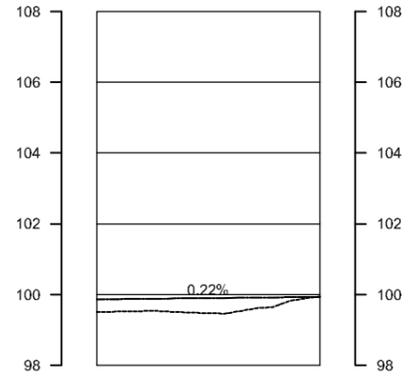


Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/RD/PP/13
CHAINAGE : 3+600 to 3+900
SHEET NO : 13/14



IP No.	CO-ORDINATES(m)		WCB (D-M-S)	DIST. (m)	DEF. ANG. (D-M-S)	TAN. LEN. (m)	SIMPLE CURVE DATA				CHAINAGE			
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC	MC	EC	IP	
31	423216.750	3041812.203	46-46-52.35	111.966	08-16-35.02	5.811	80.000	0.211	11.602	0.000	3+907.391	3+913.192	3+918.992	3+915.202
32	423230.175	3041824.818	00-00-00.00	18.422	00-00-00.00	0.000	0.000	0.000	0.000	0.000	3+931.603	3+931.603	3+931.603	3+931.603



DESIGN LEVEL(m)	99.862	99.906	99.932
EXISTING LEVEL(m)	99.504	99.525	99.948
CHAINAGE(Km)	3+900	3+920	3+931.6
HORIZONTAL SCHEMATIC			
SUPER ELEVATION SCHEMATIC			
CUT/FILL (m)	0.358	0.382	-0.016

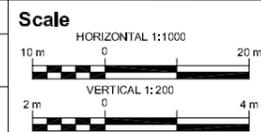


Department of Urban Development & Building Construction (DUDBC)
Regional Urban Development Project (RUDP)
 West Urban Corridor (WUC) Development Project
 Babarmahal, Kathmandu, Nepal

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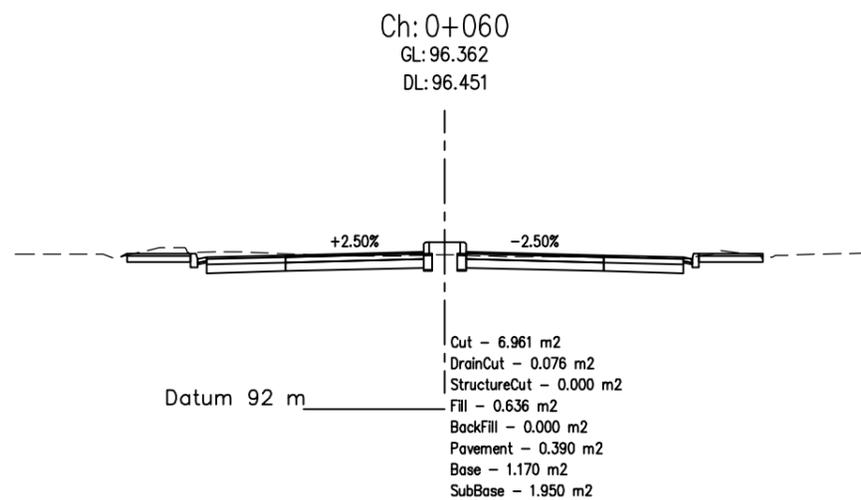
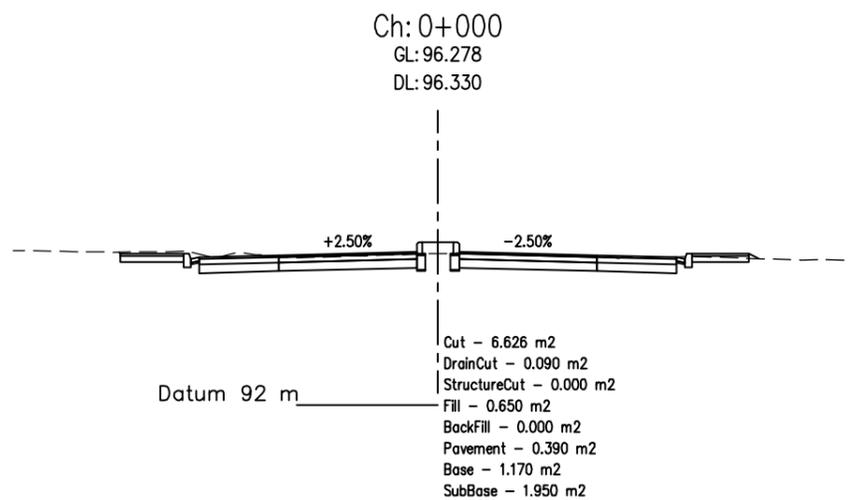
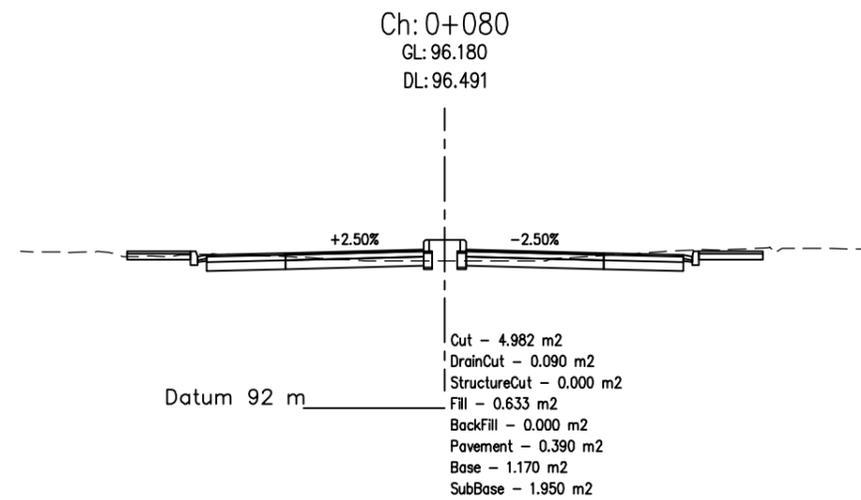
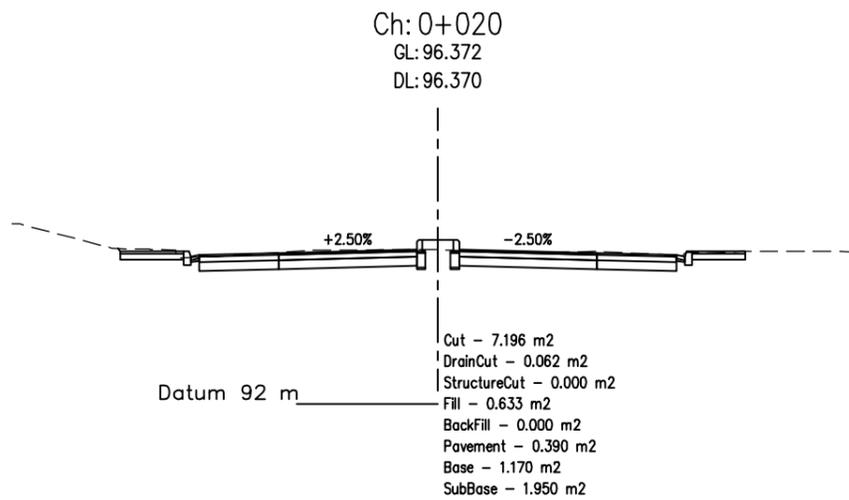
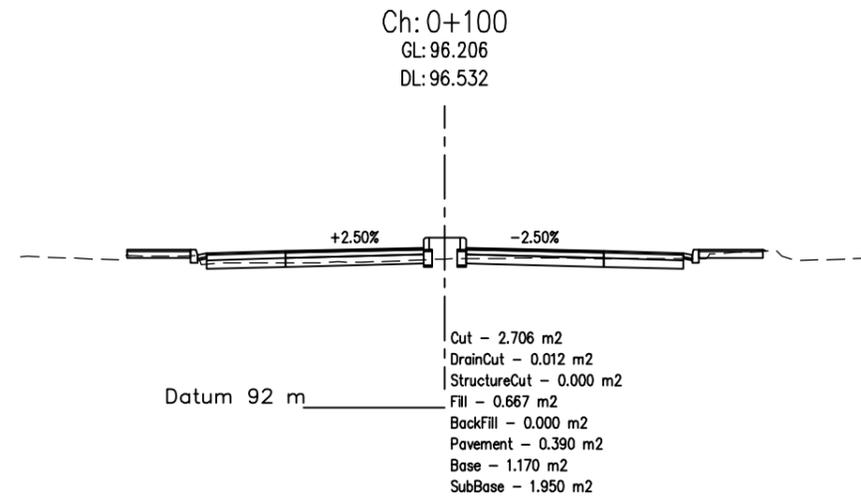
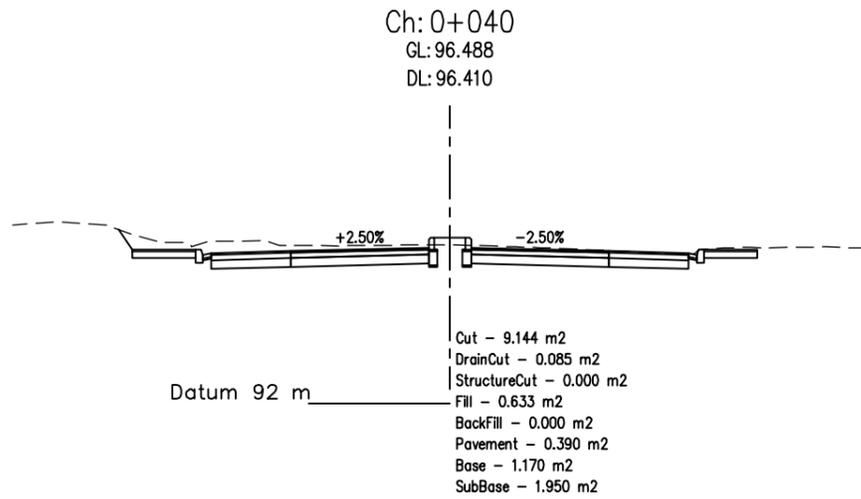
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/RD/PP/14
CHAINAGE : 3+900 to 3+931.603
SHEET NO : 14/14

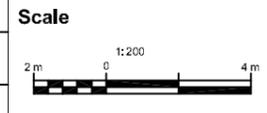


Department of Urban Development & Building
Construction (DUDBC)
Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

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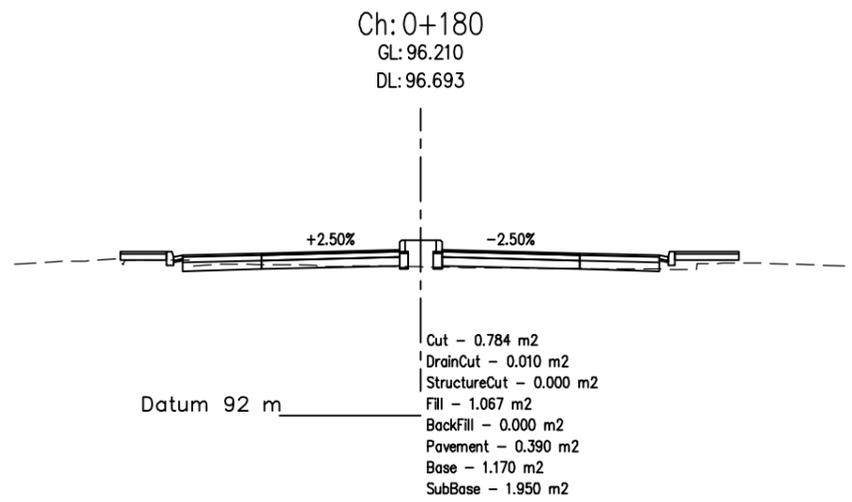
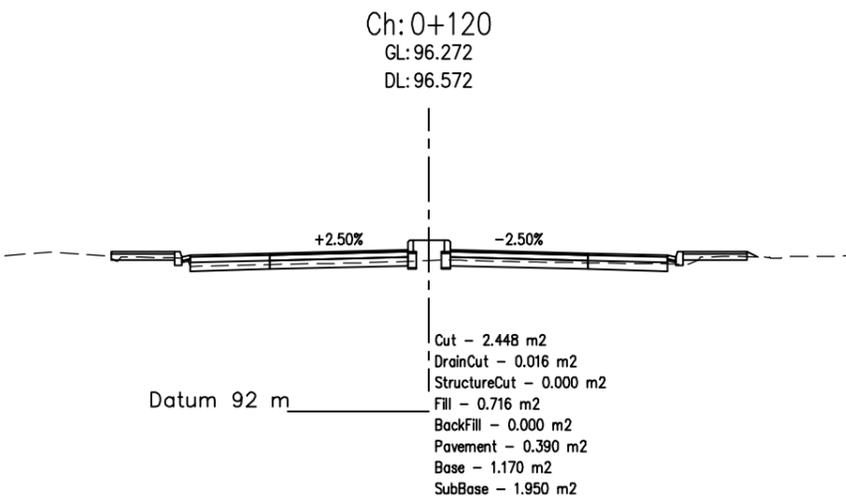
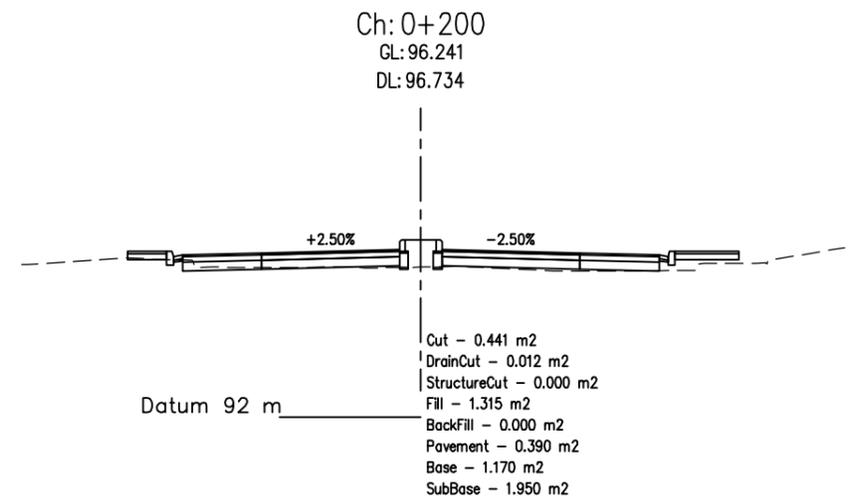
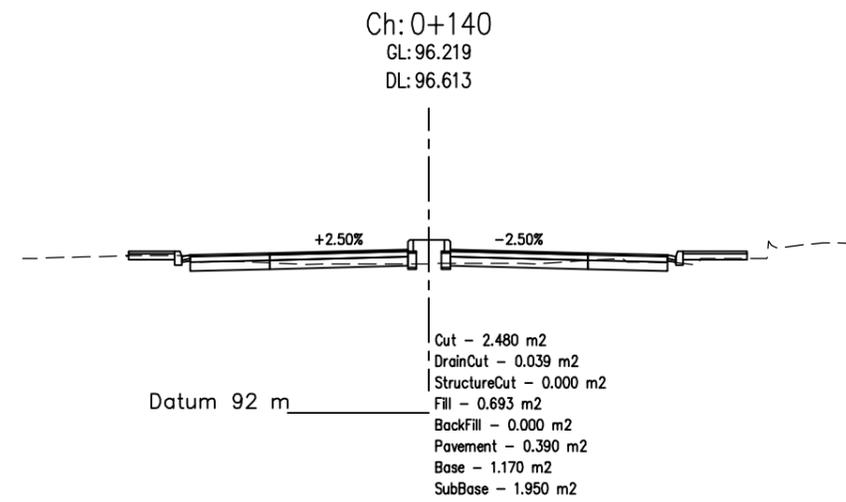
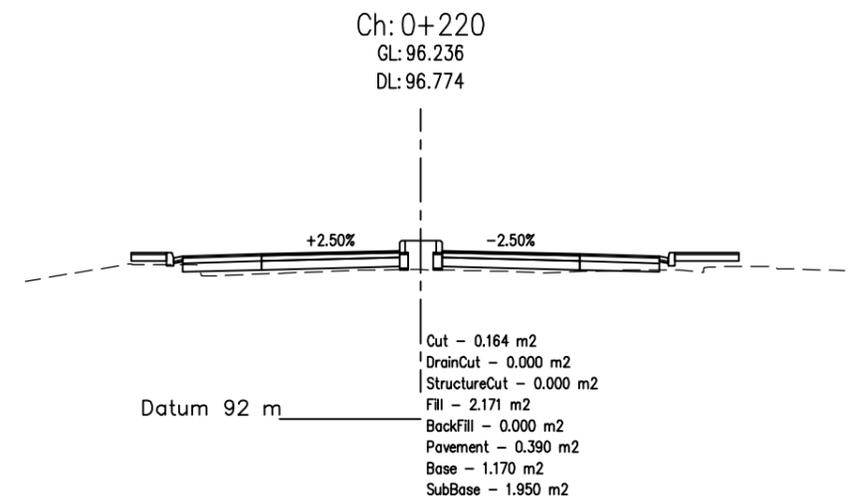
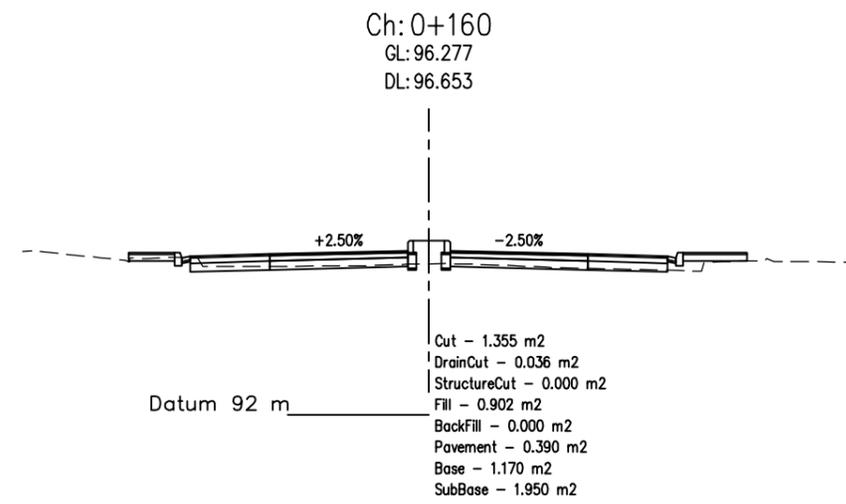
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/1
CHAINAGE : 0+000-0+100
SHEET NO : 1



Department of Urban Development & Building Construction (DUDBC)
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West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

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Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

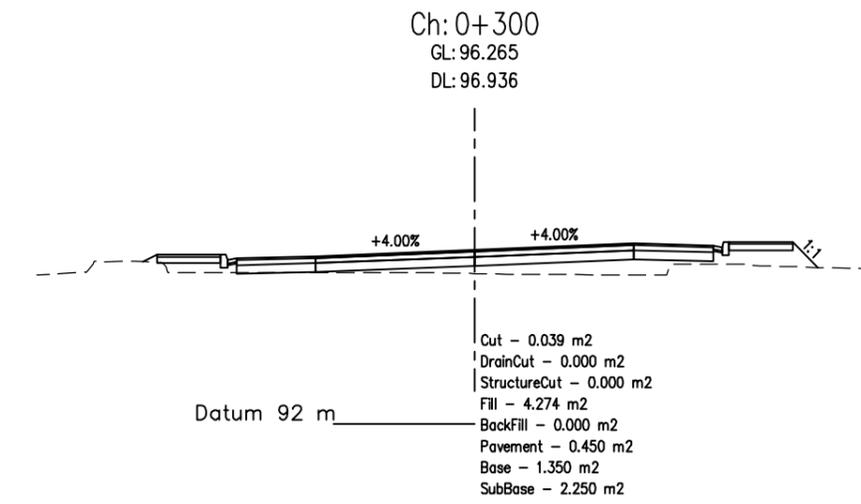
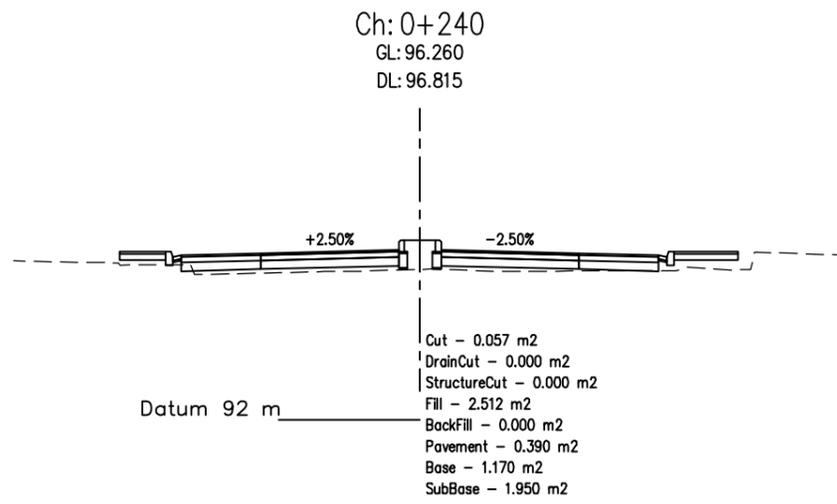
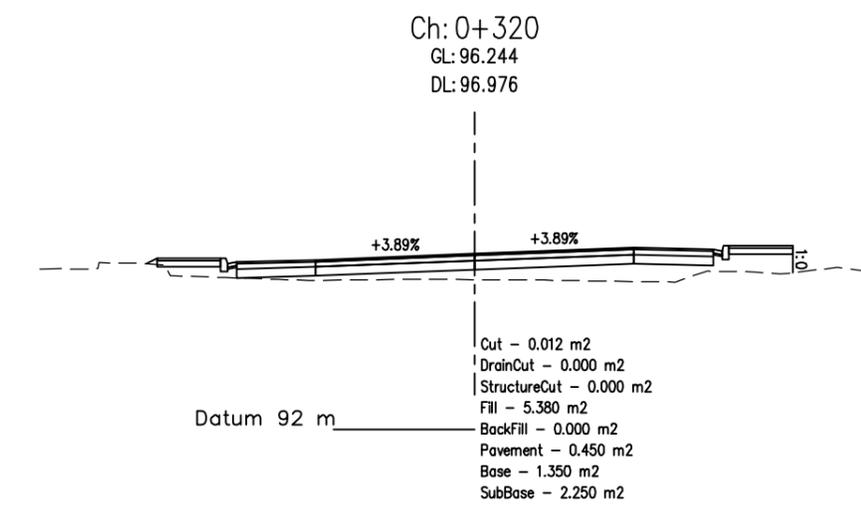
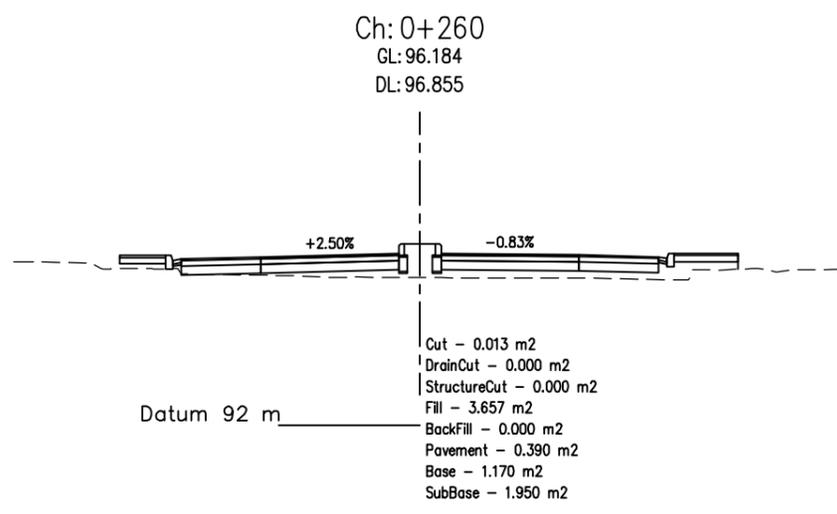
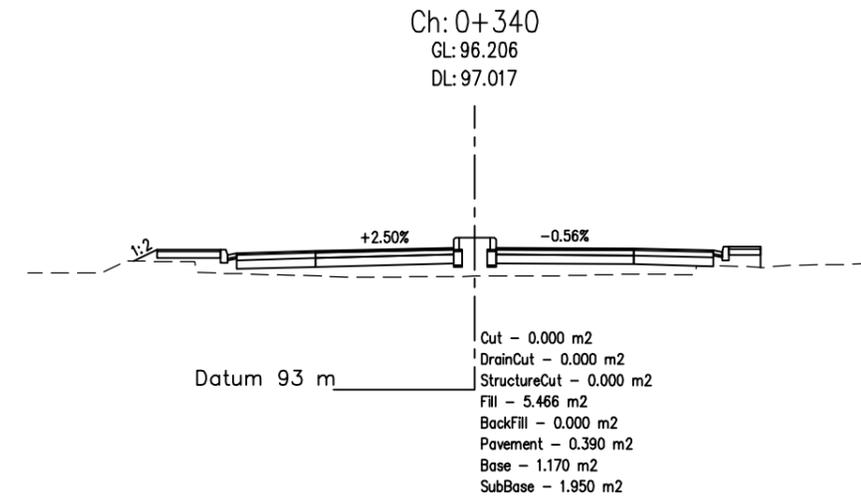
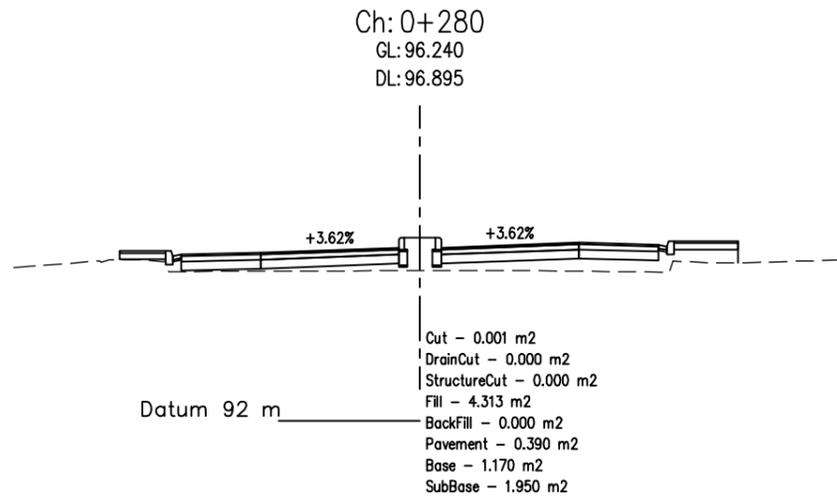
Client
Approved By :
Checked By :

Scale



Cross-Section
LUMBINI BUS TERMINAL ACCESS
ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/2
CHAINAGE : 0+120-0+220
SHEET NO : 2

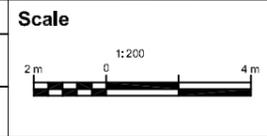


Department of Urban Development & Building Construction (DUDBC)
Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

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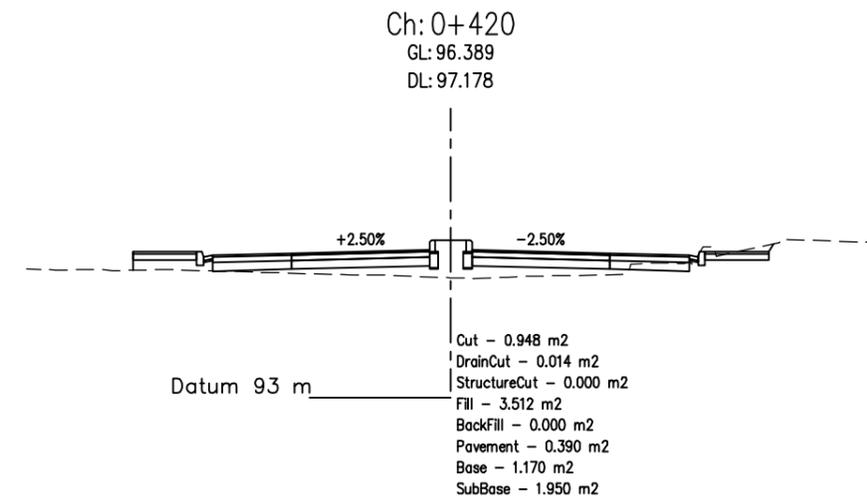
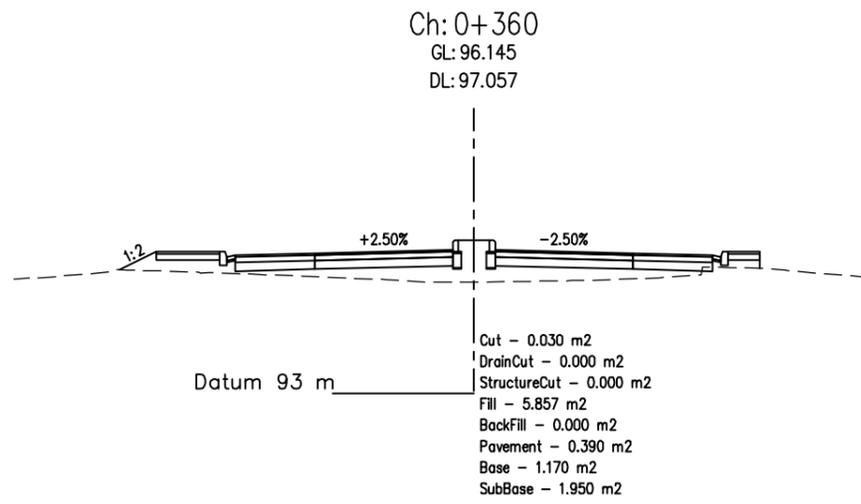
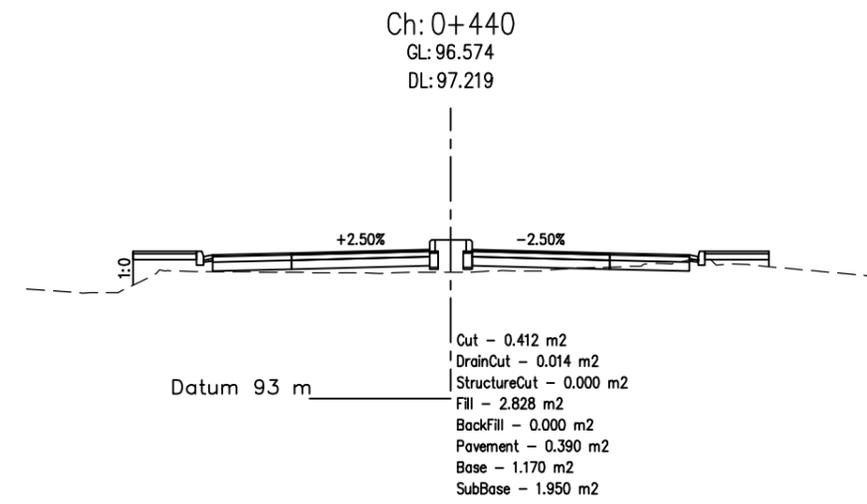
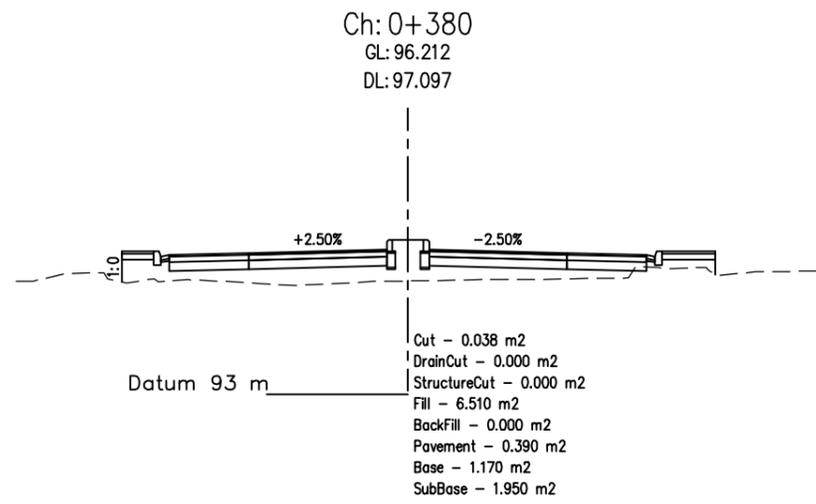
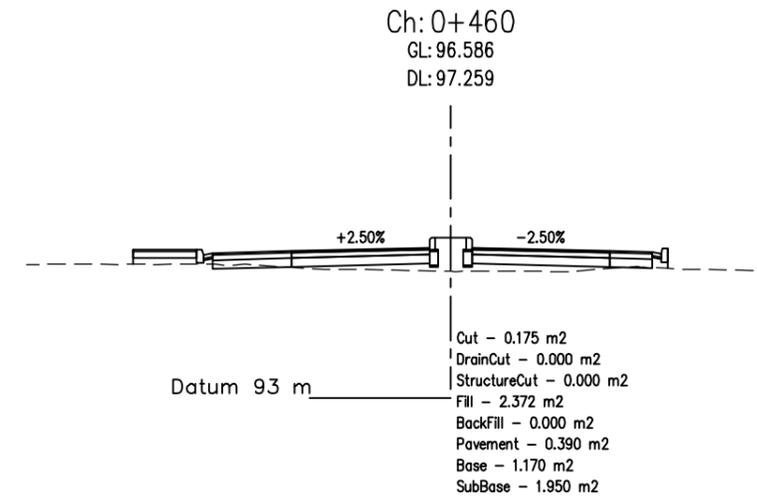
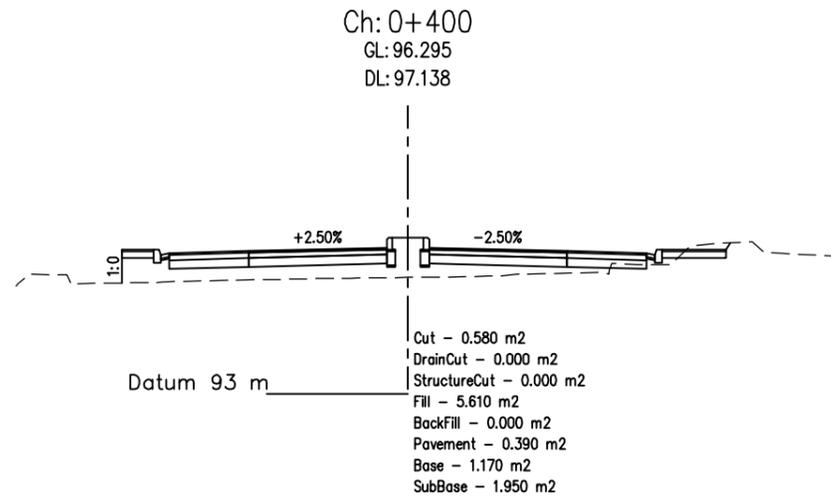
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/3
CHAINAGE : 0+240-0+340
SHEET NO : 3



Department of Urban Development & Building
Construction (DUDBC)
Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

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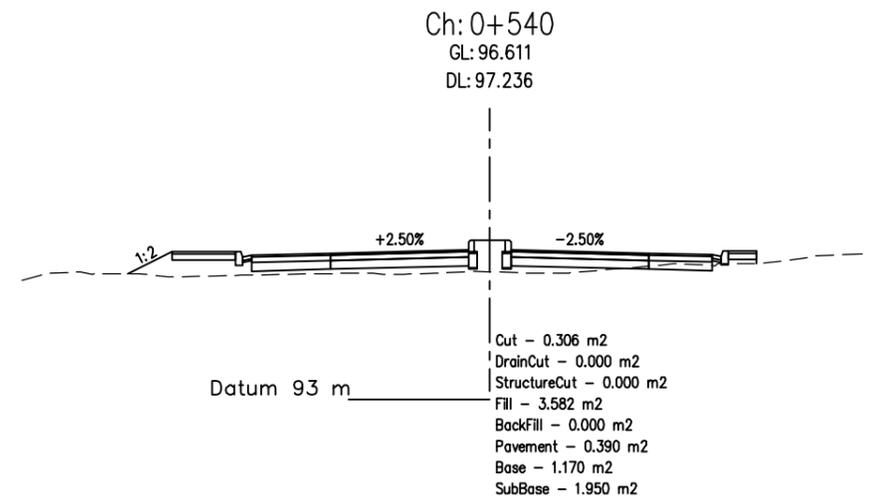
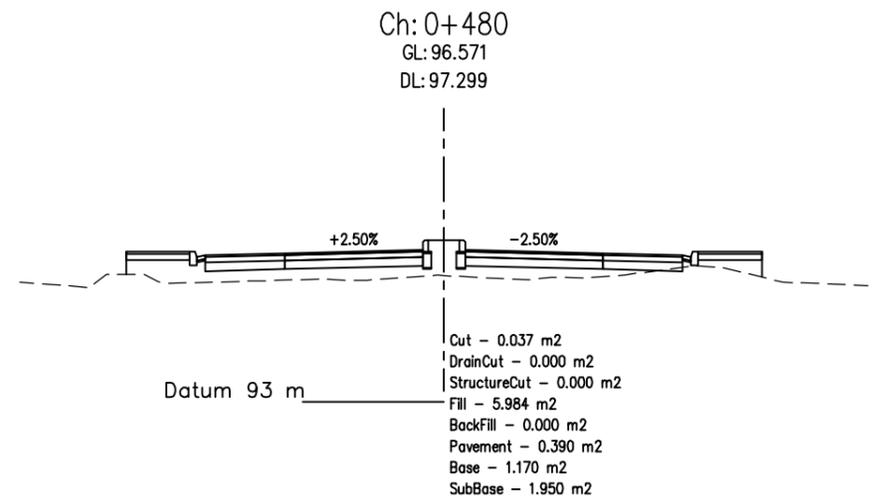
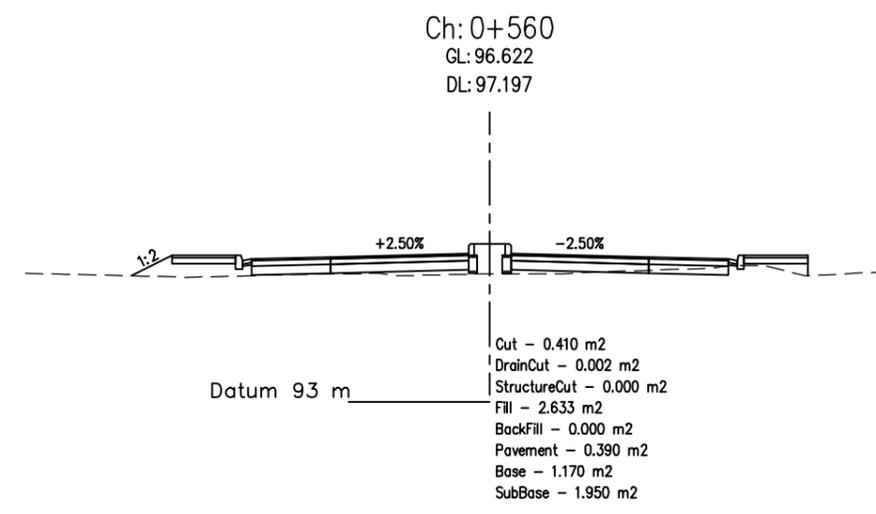
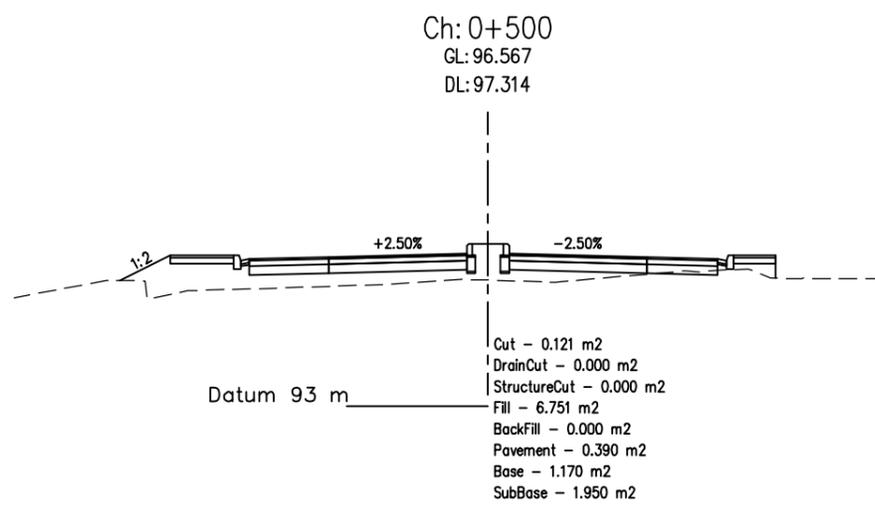
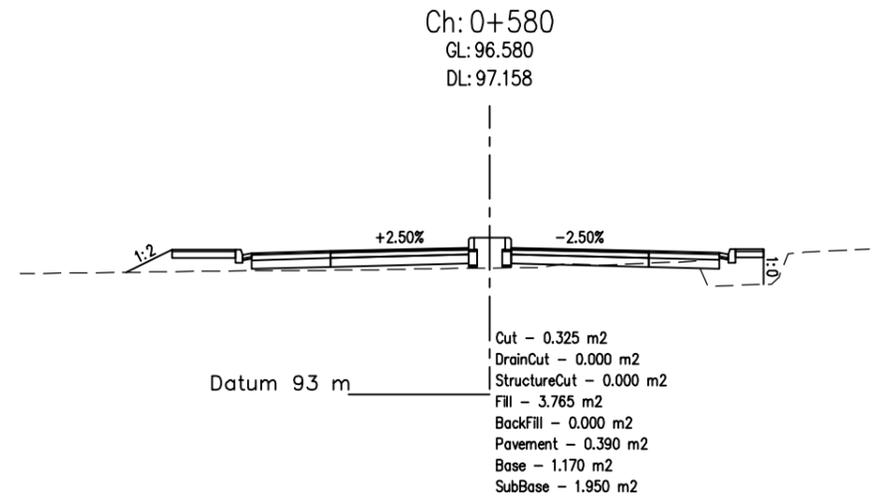
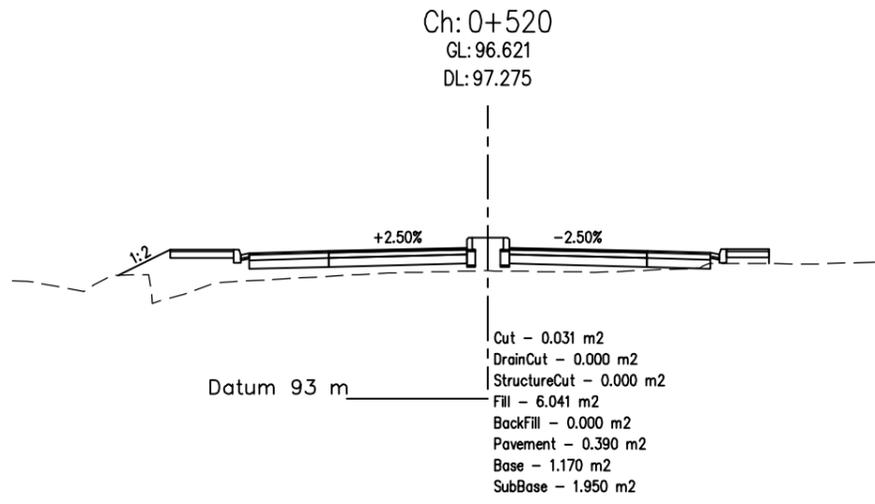
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
**LUMBINI BUS TERMINAL ACCESS
ROAD**
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/4
CHAINAGE : 0+360-0+460
SHEET NO : 4

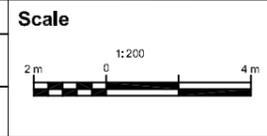


Department of Urban Development & Building Construction (DUDBC)
Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
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in Association with
ERM (P.) Ltd., SILT Consultants (P.) Ltd., and
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Mid- Baneshwor, Kathmandu
Tel: 01- 4589393

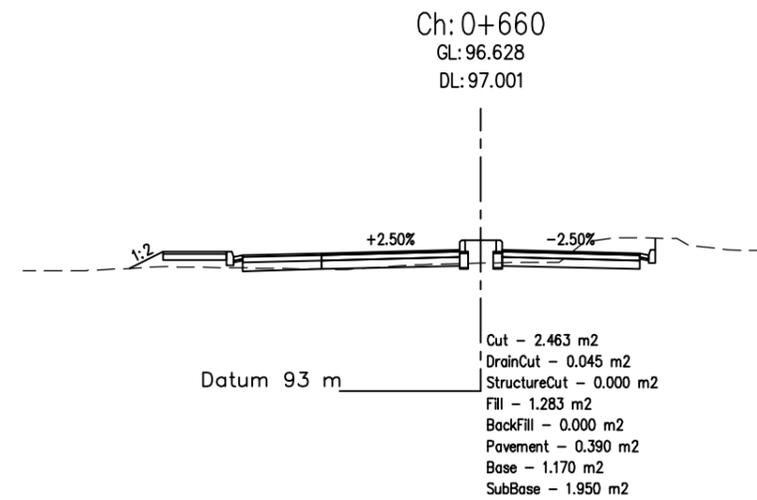
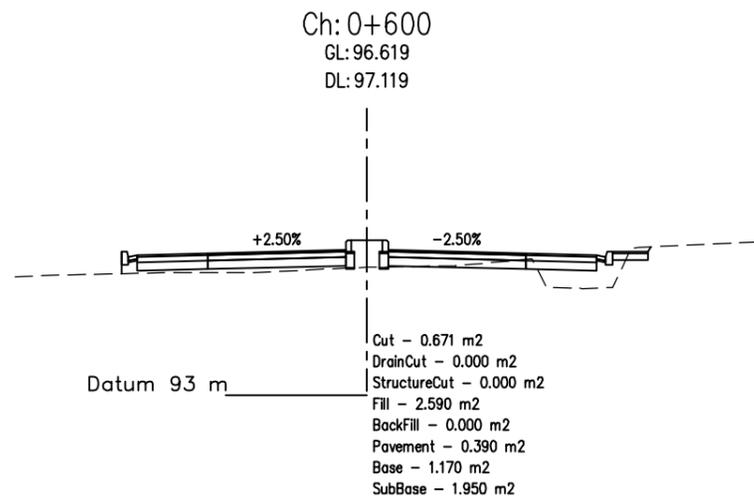
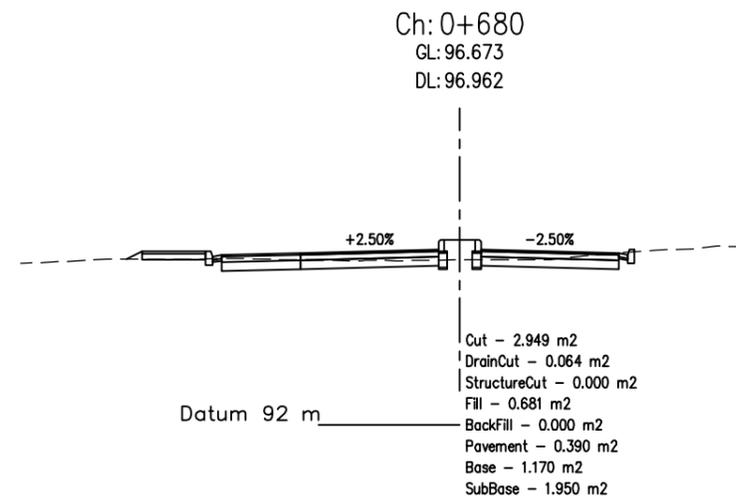
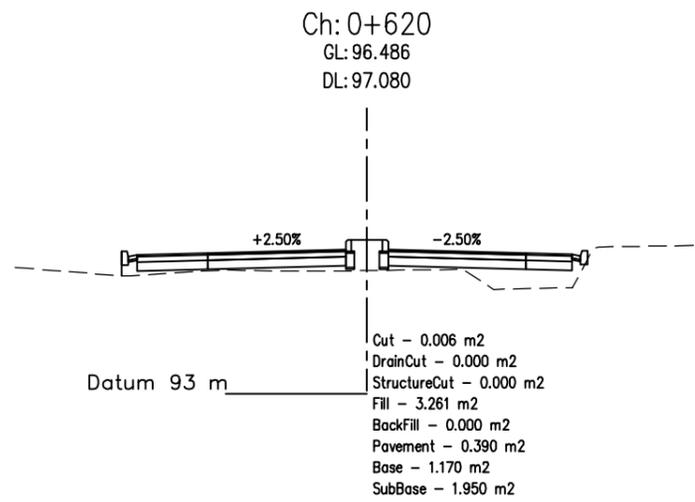
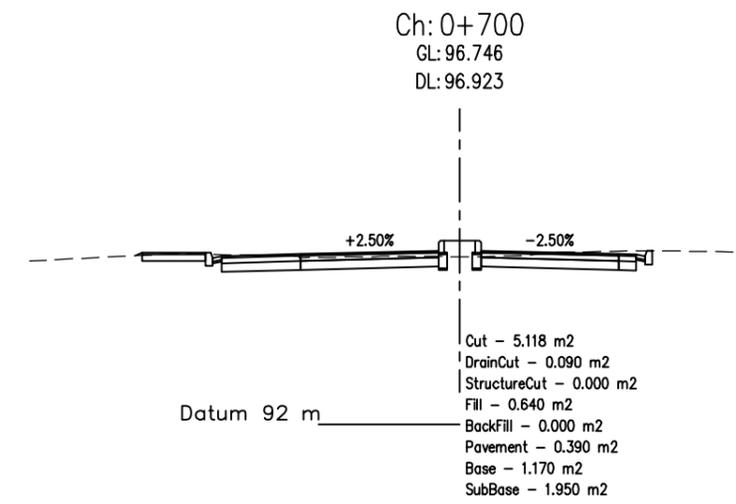
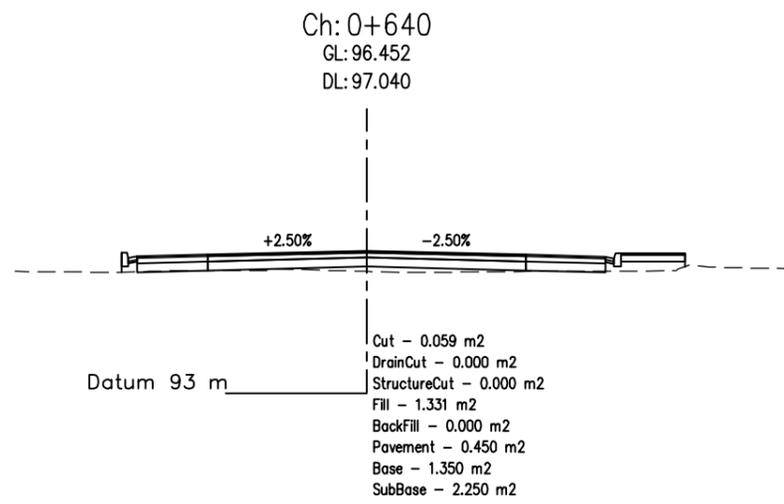
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/5
CHAINAGE : 0+480-0+580
SHEET NO : 5



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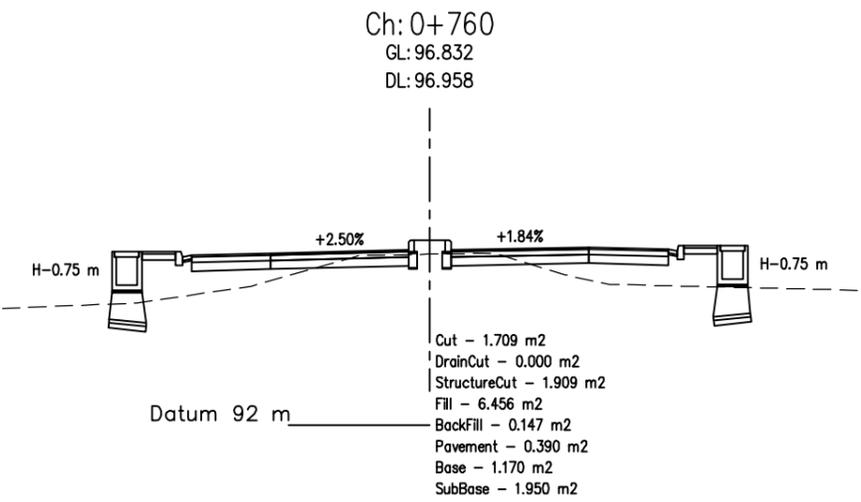
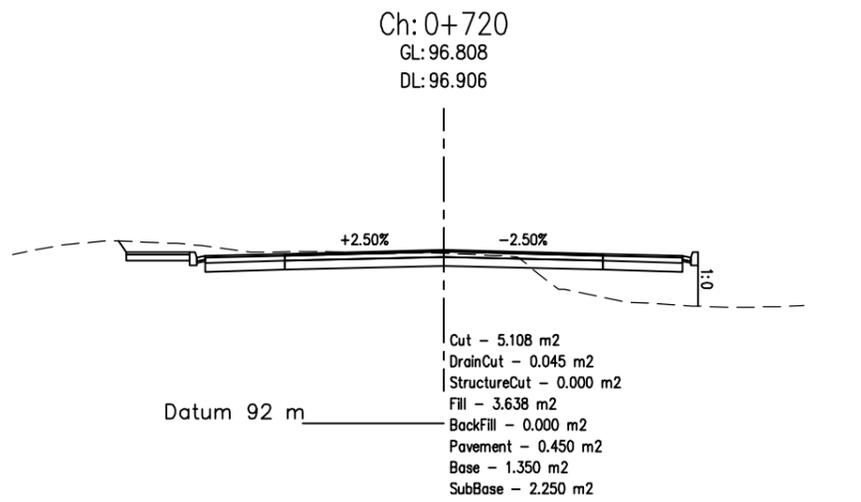
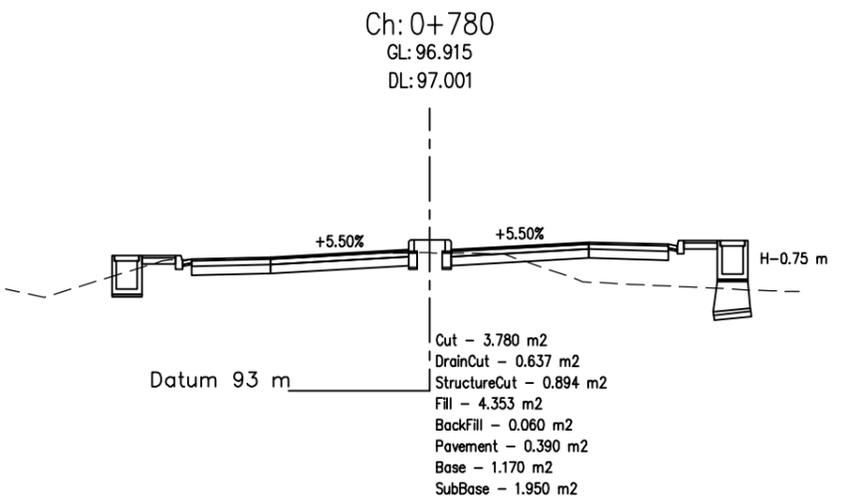
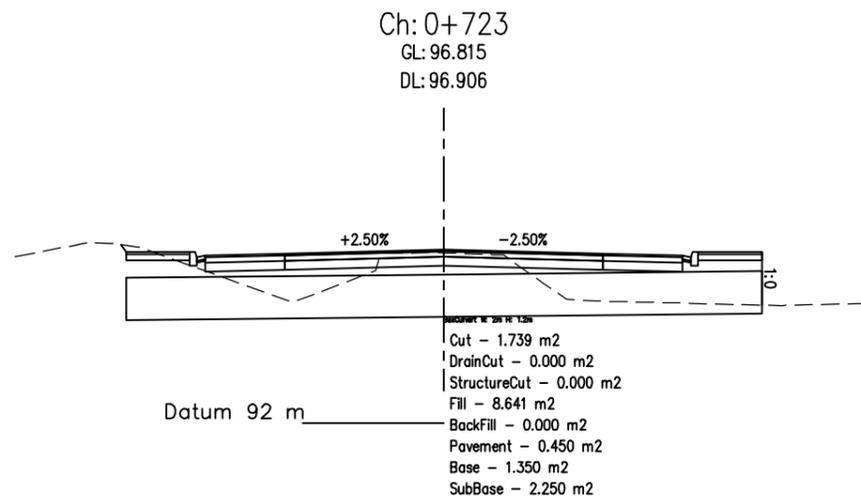
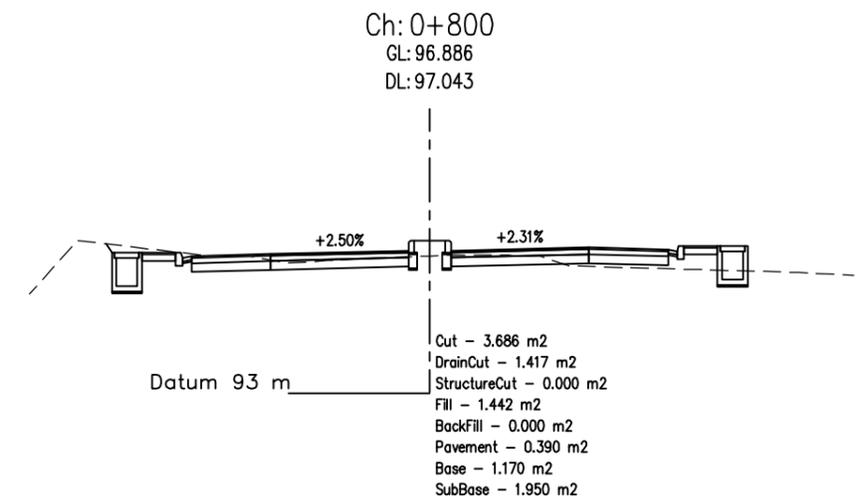
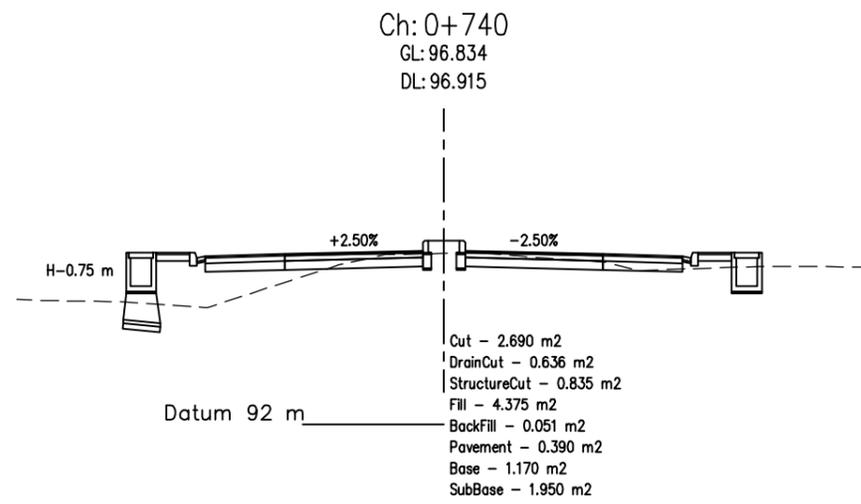
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS
ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/6
CHAINAGE : 0+600-0+700
SHEET NO : 6

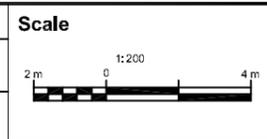


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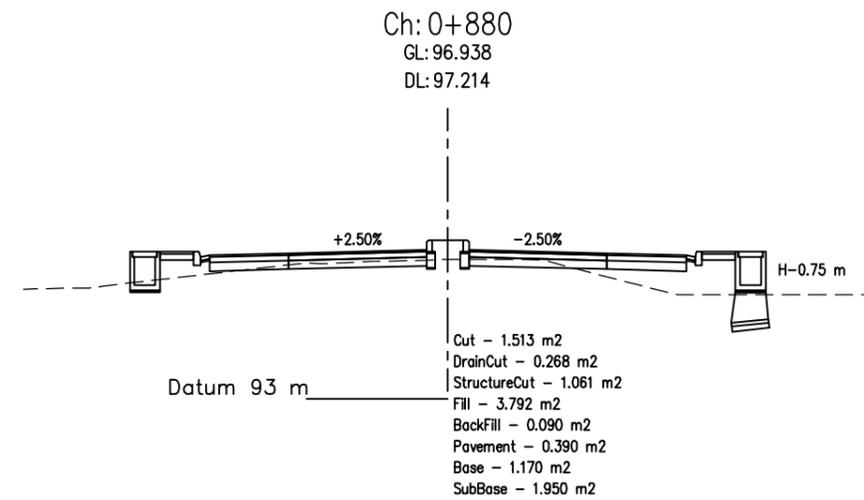
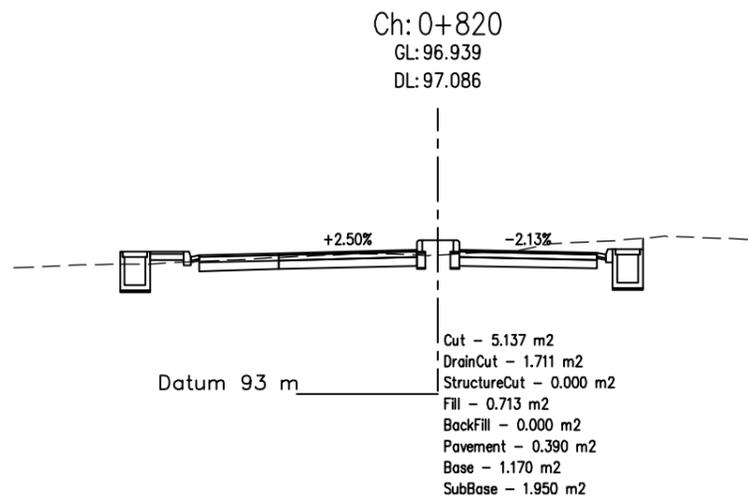
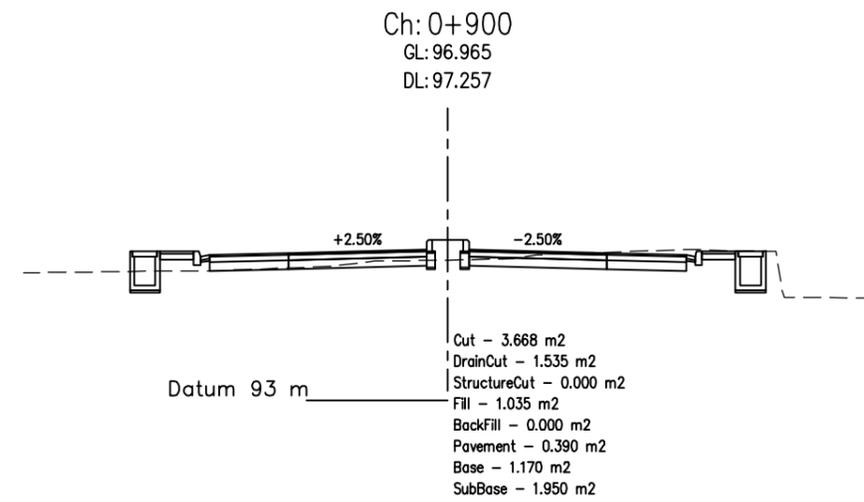
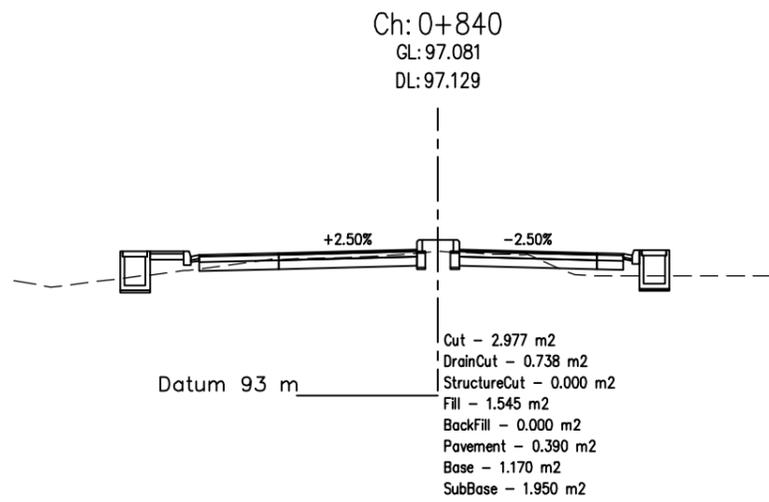
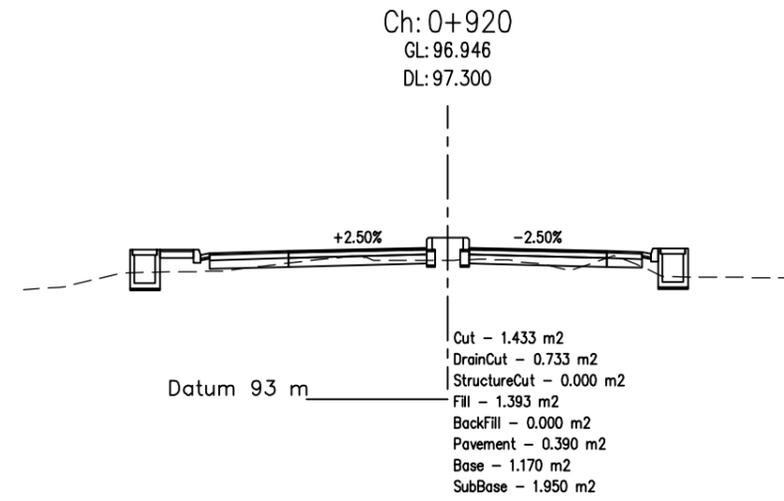
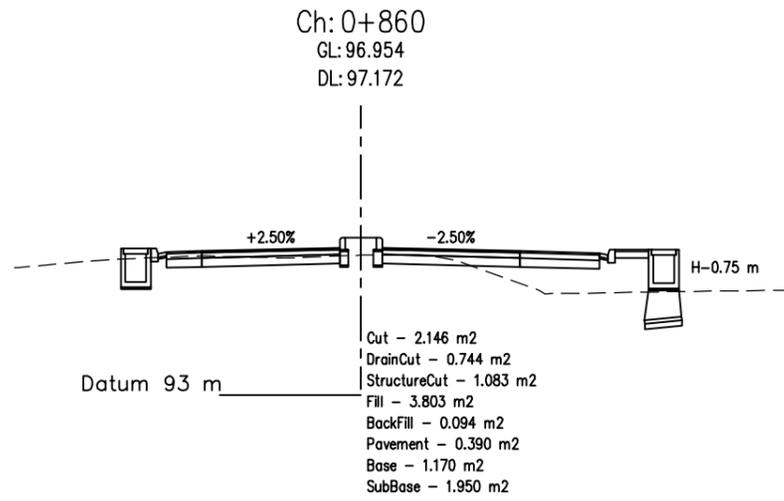
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/7
CHAINAGE : 0+720-0+800
SHEET NO : 7



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Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

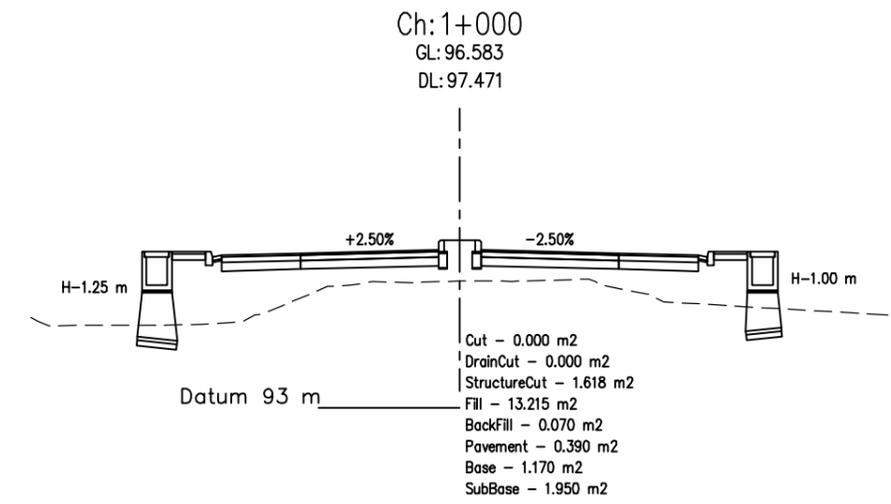
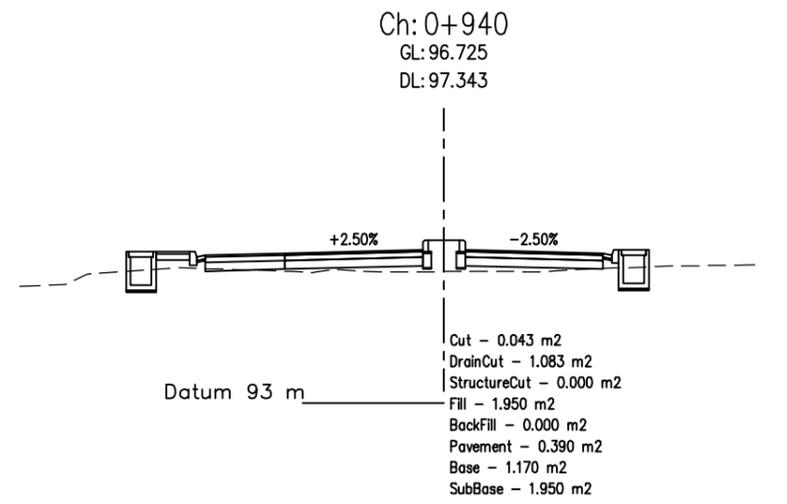
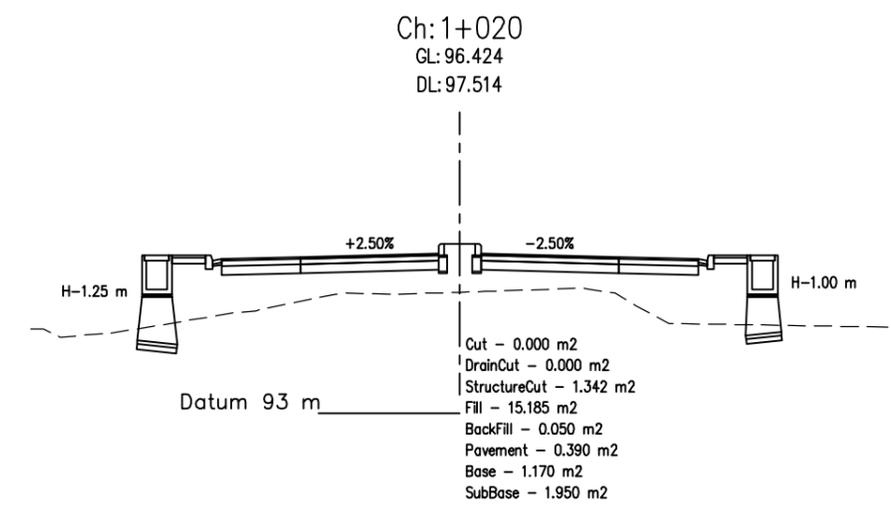
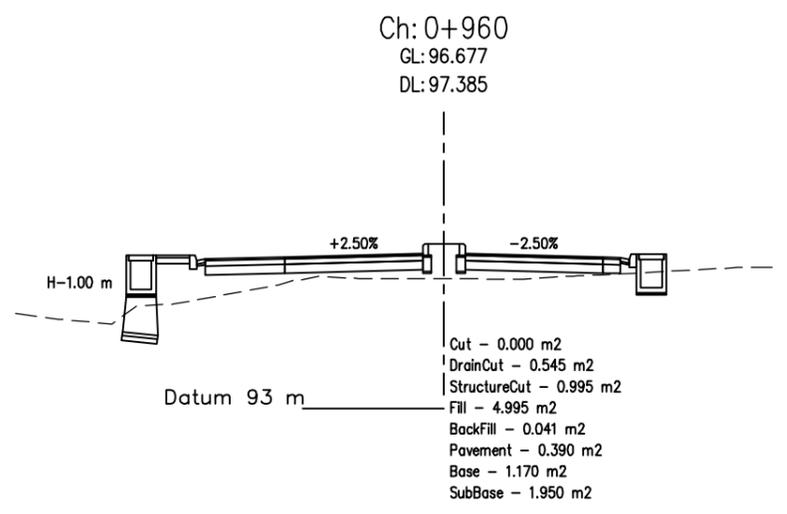
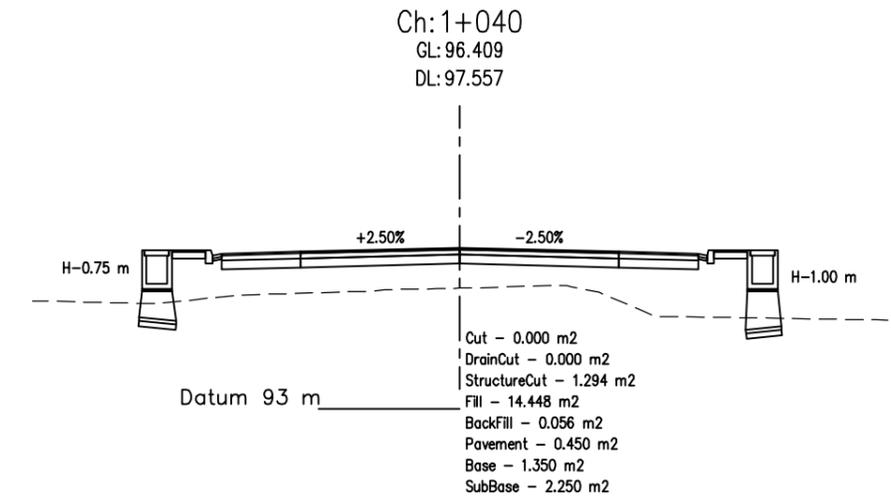
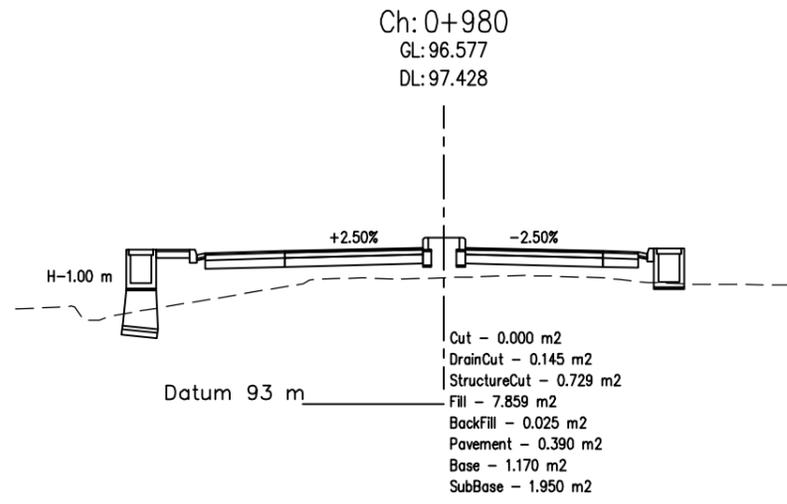
Client
Approved By :
Checked By :

Scale



Cross-Section
LUMBINI BUS TERMINAL ACCESS
ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/8
CHAINAGE : 0+820-0+920
SHEET NO : 8

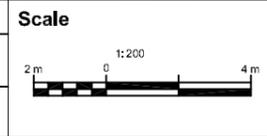


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Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
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Mid- Baneshwor, Kathmandu
Tel: 01- 4589393

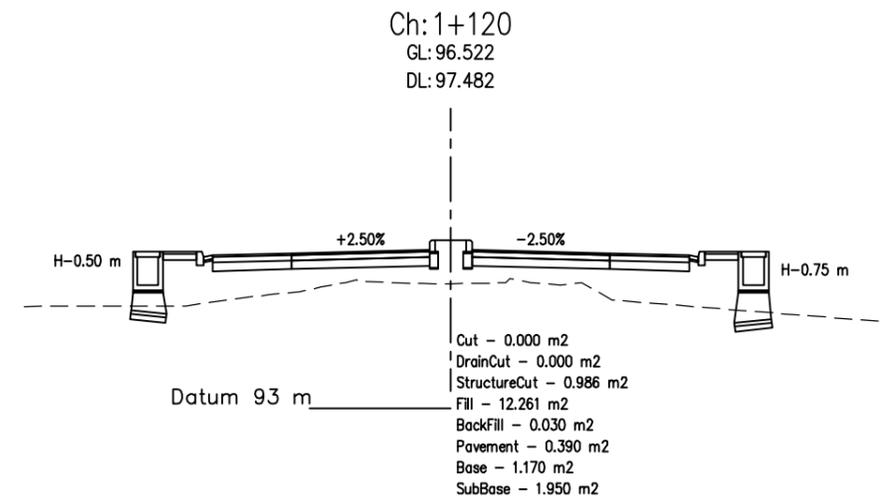
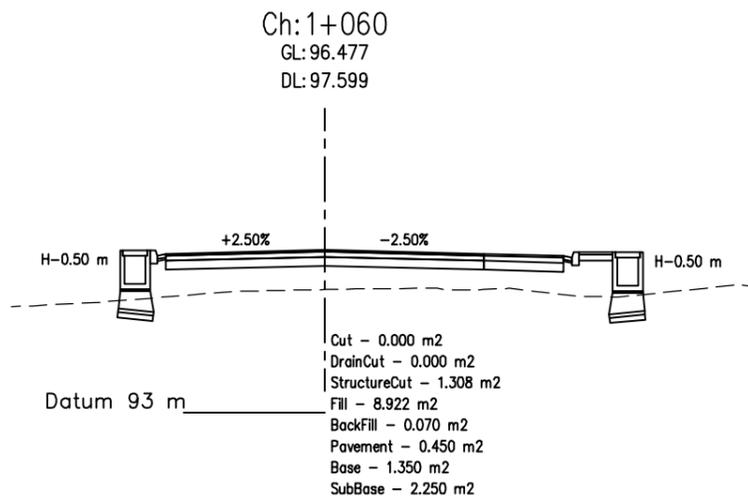
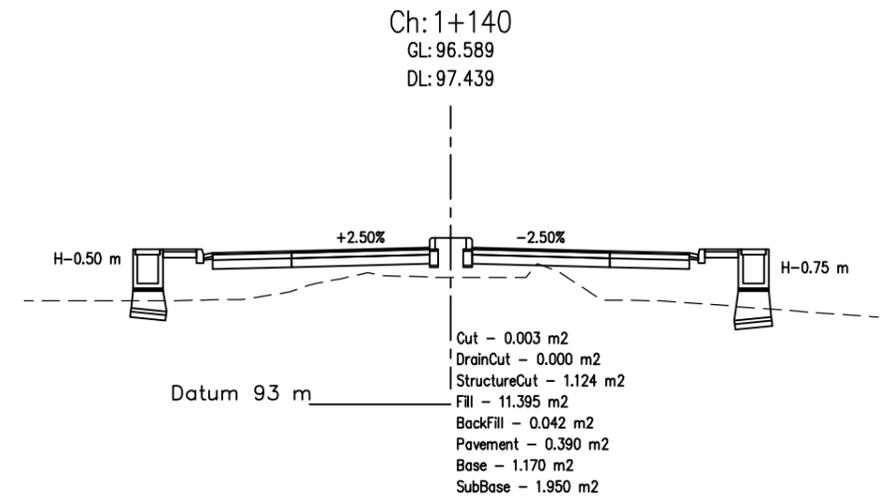
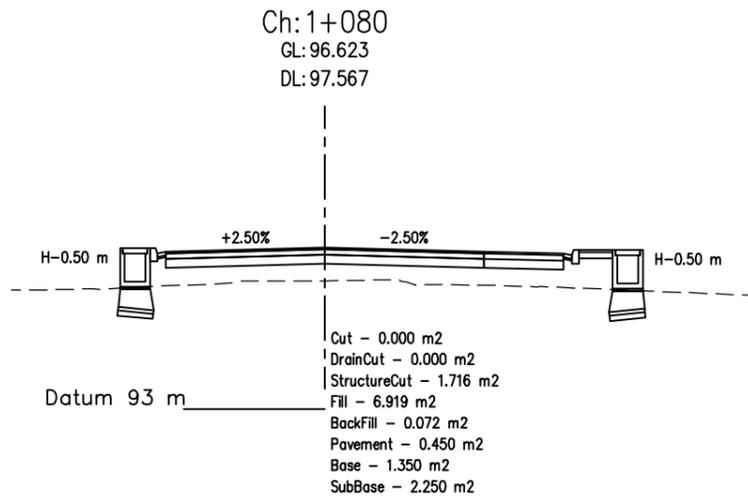
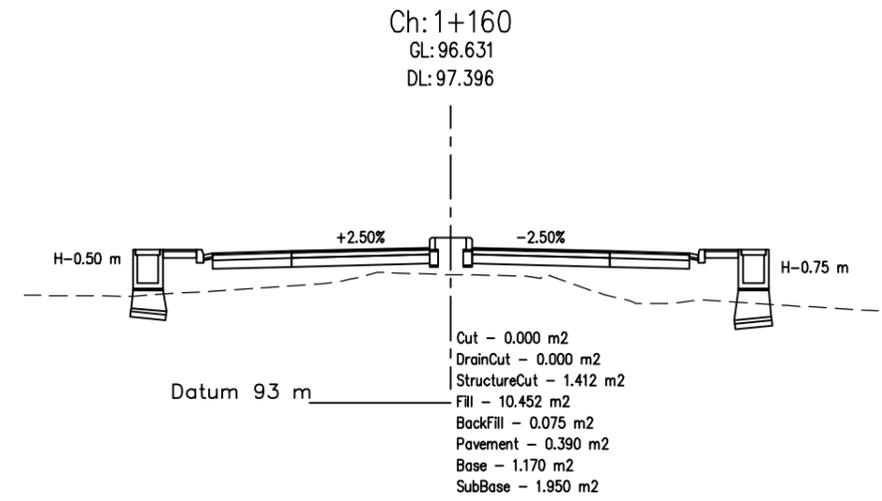
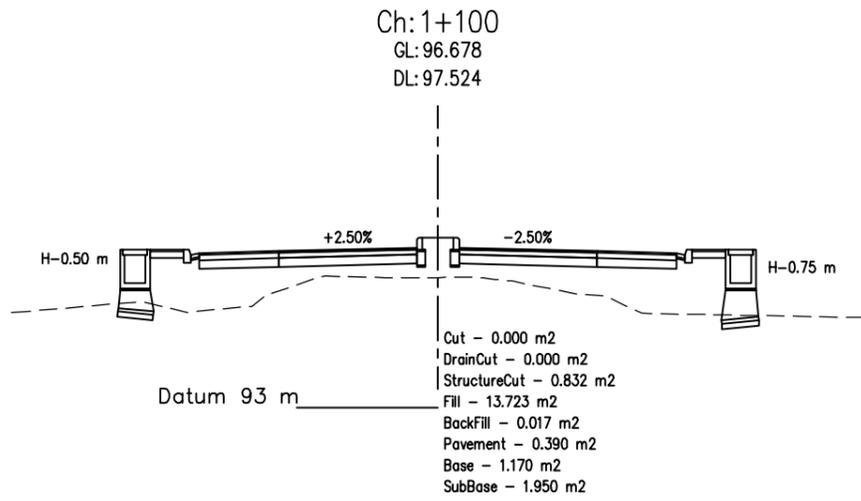
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/9
CHAINAGE : 0+940-1+040
SHEET NO : 9

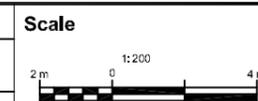


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Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

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Mid- Baneshwor, Kathmandu
Tel: 01- 4589393

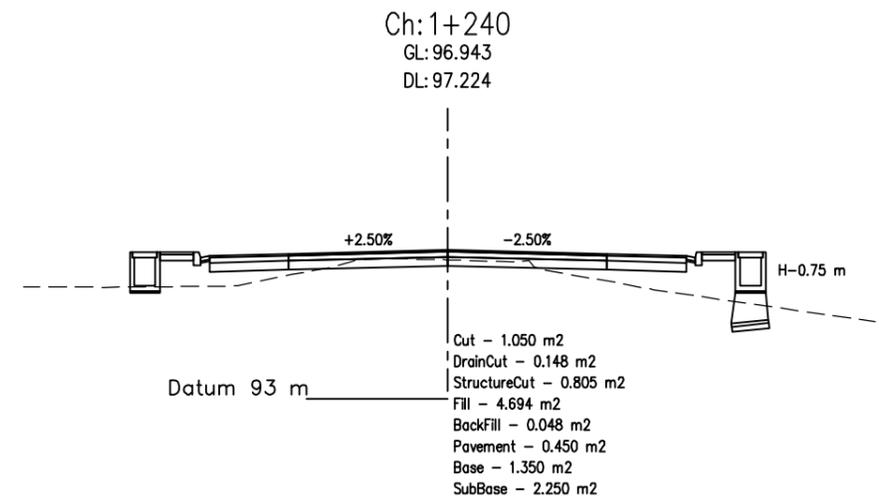
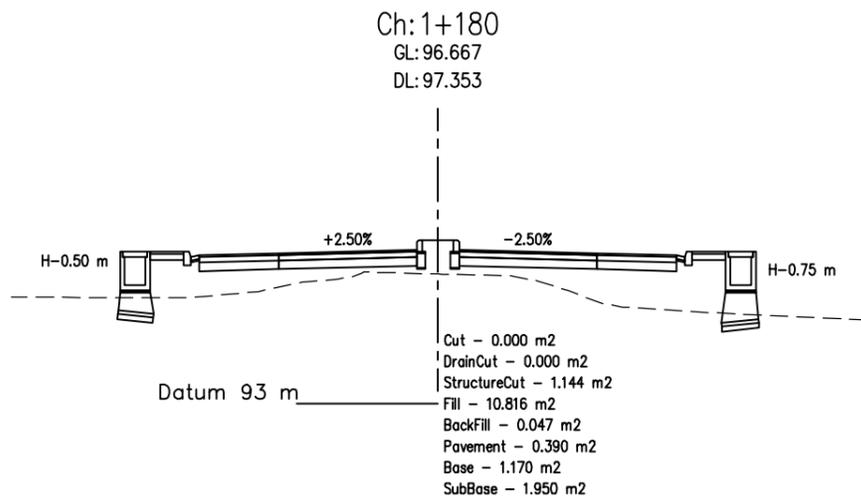
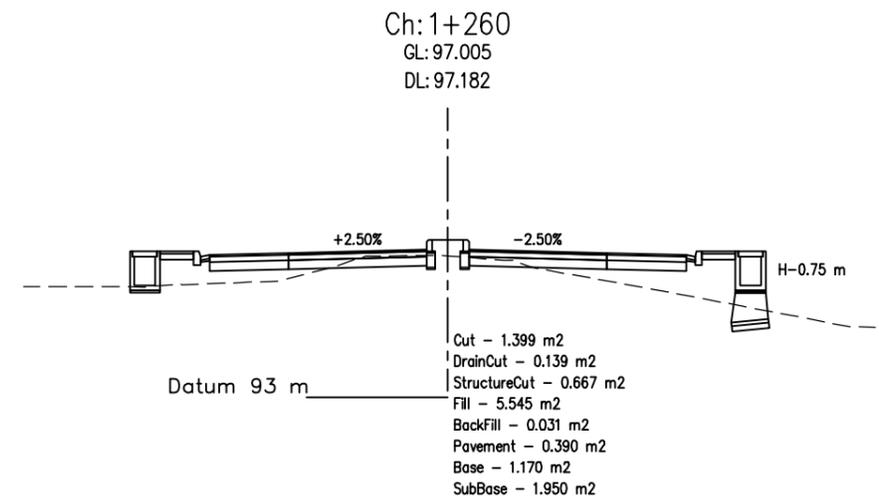
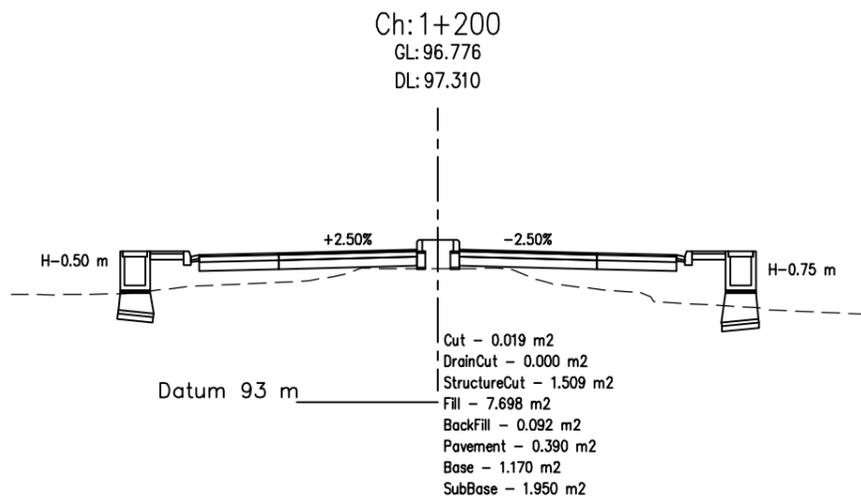
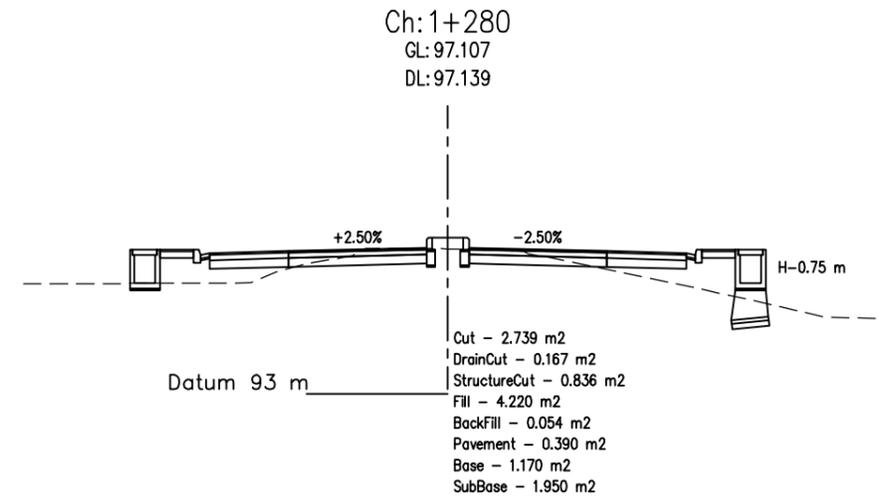
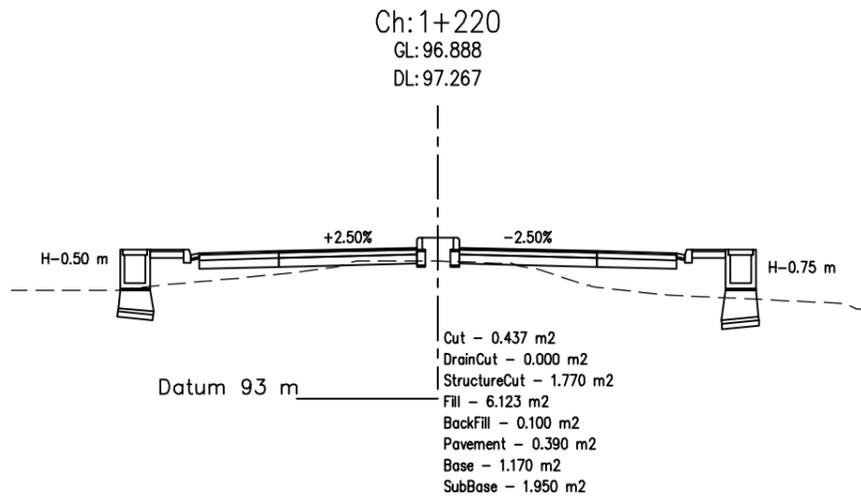
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/10
CHAINAGE : 1+060-1+160
SHEET NO : 10

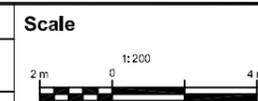


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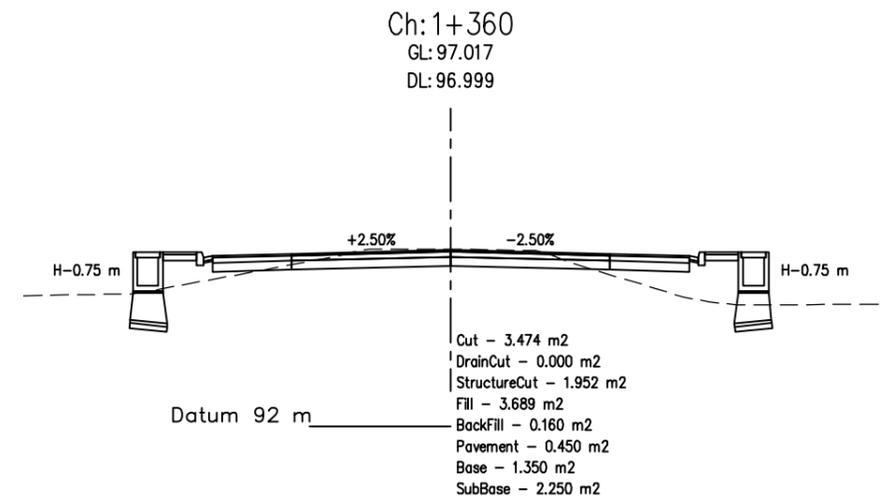
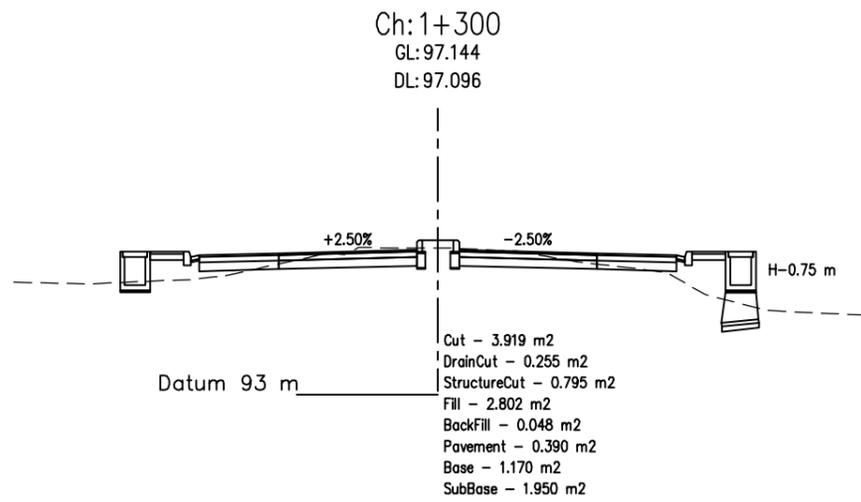
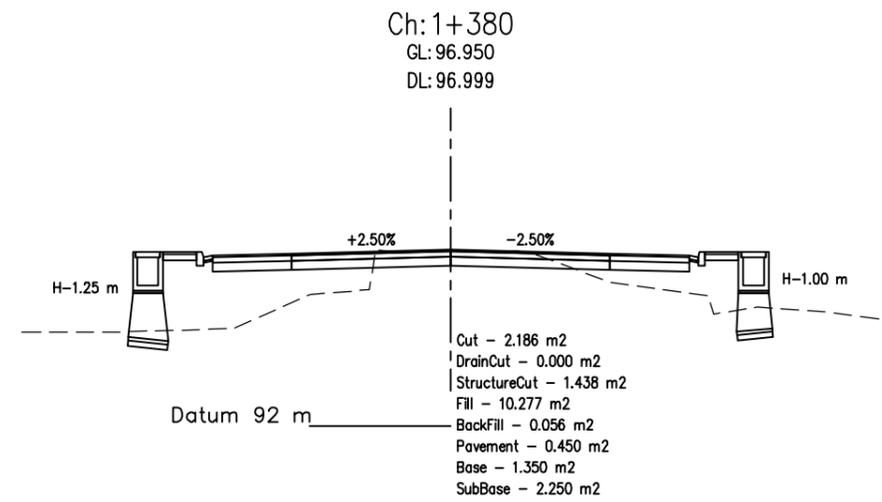
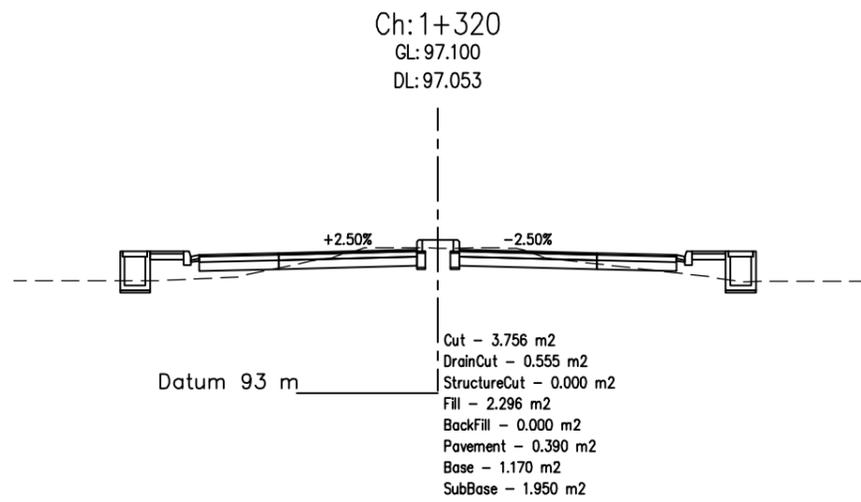
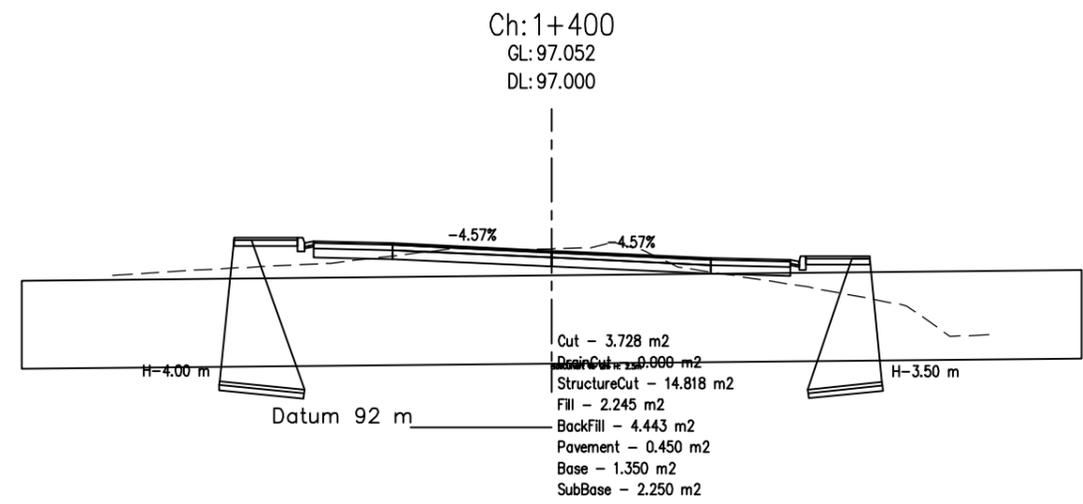
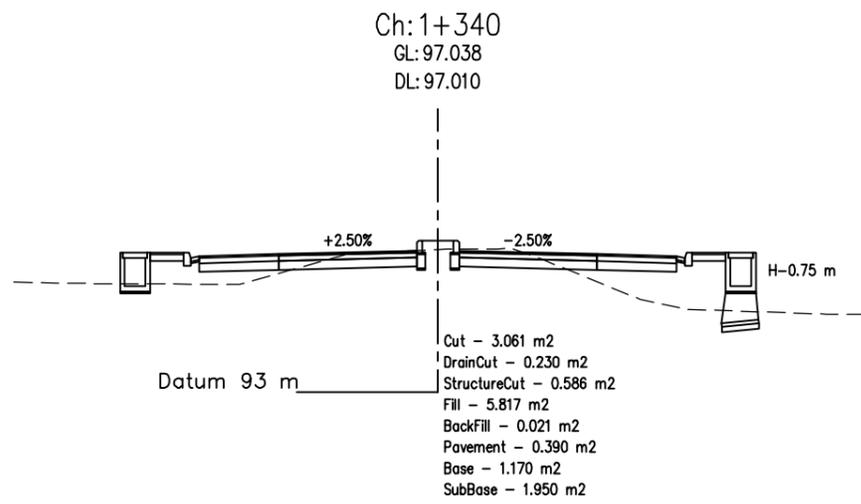
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/11
CHAINAGE : 1+180-1+280
SHEET NO : 11

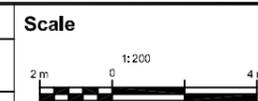


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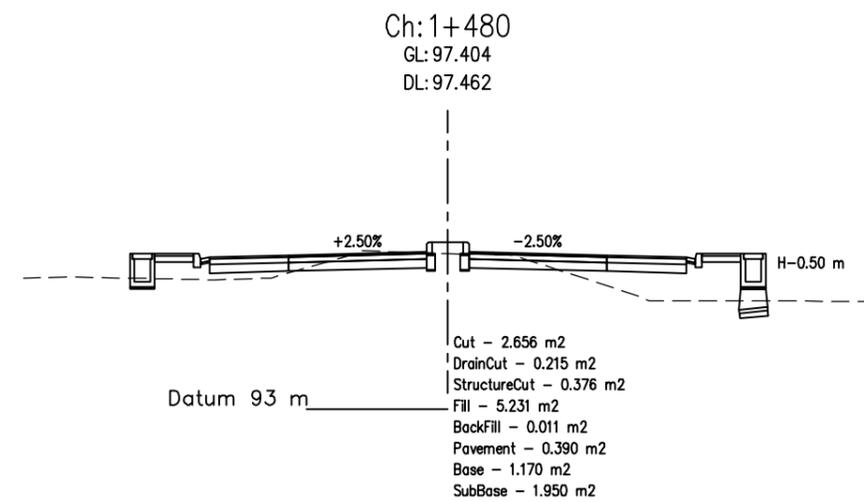
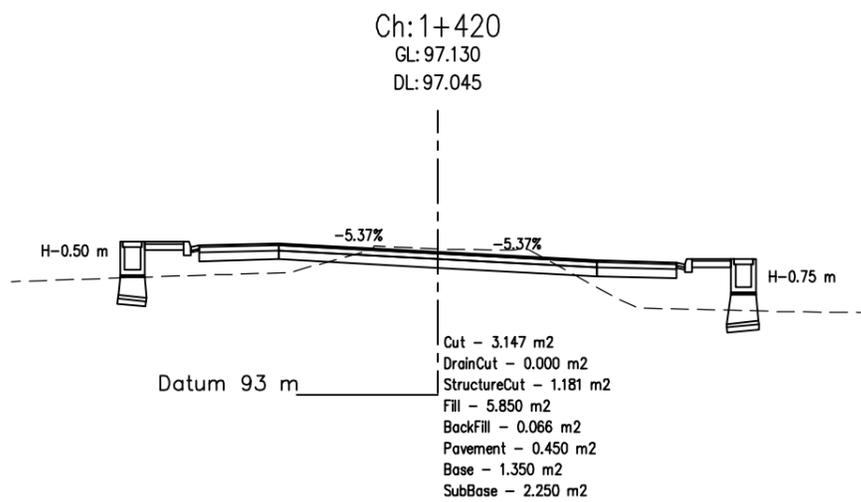
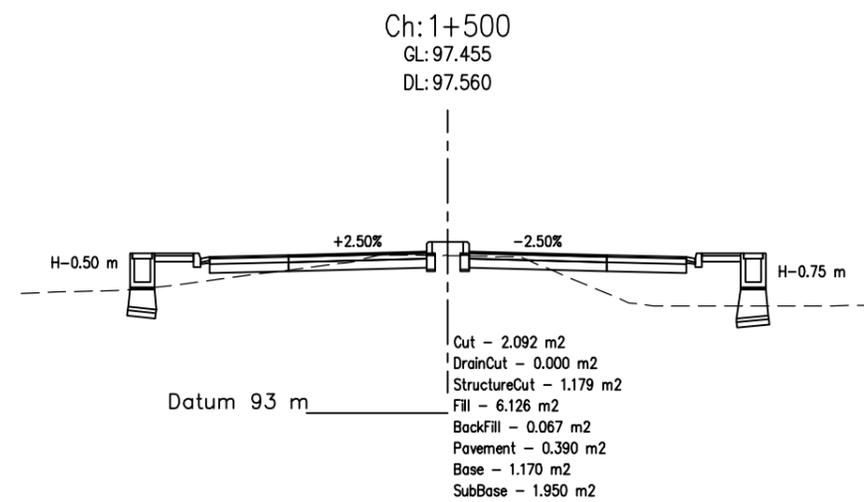
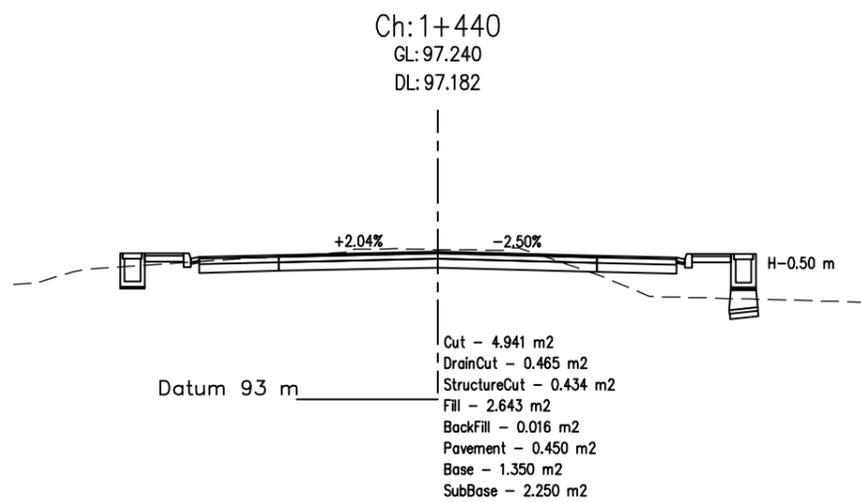
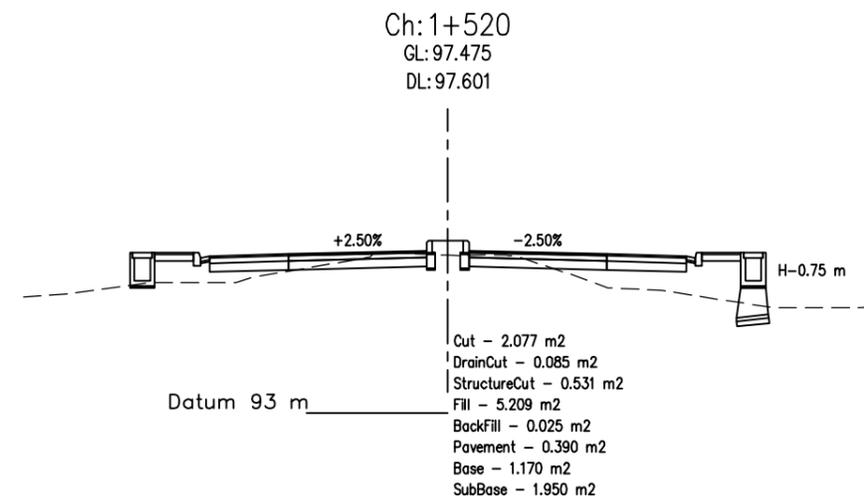
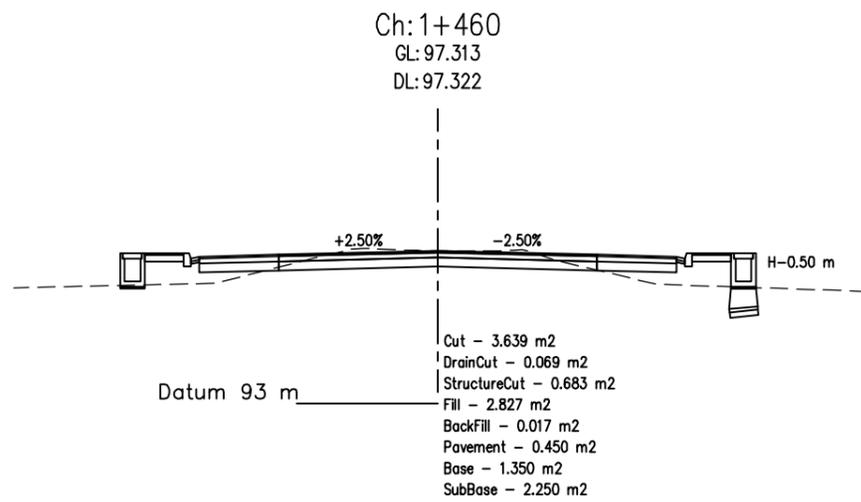
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/12
CHAINAGE : 1+300-1+400
SHEET NO : 12

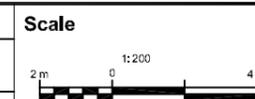


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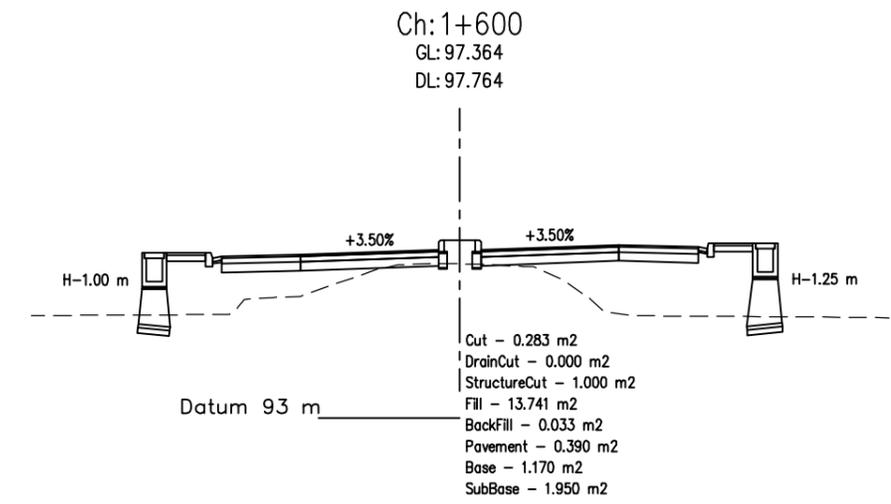
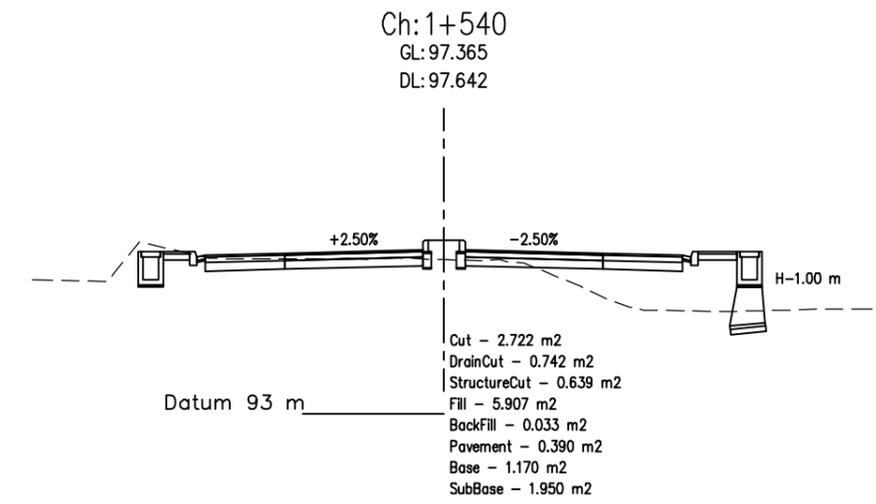
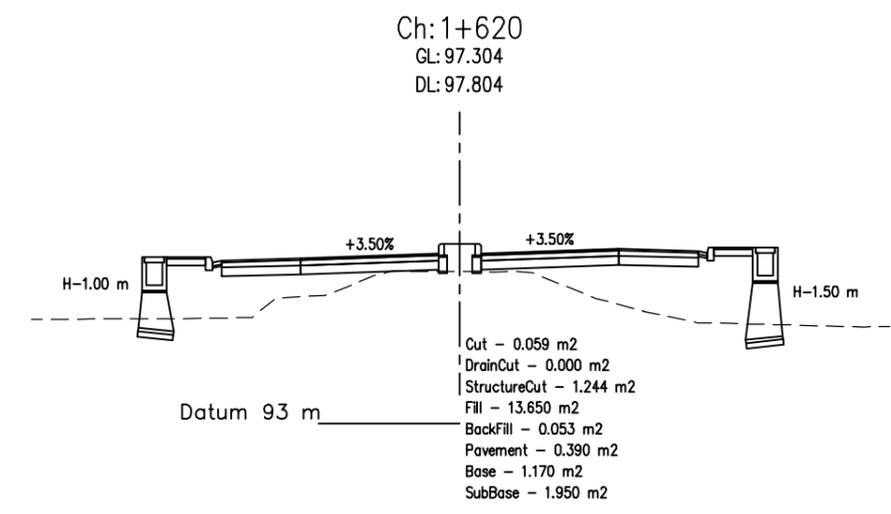
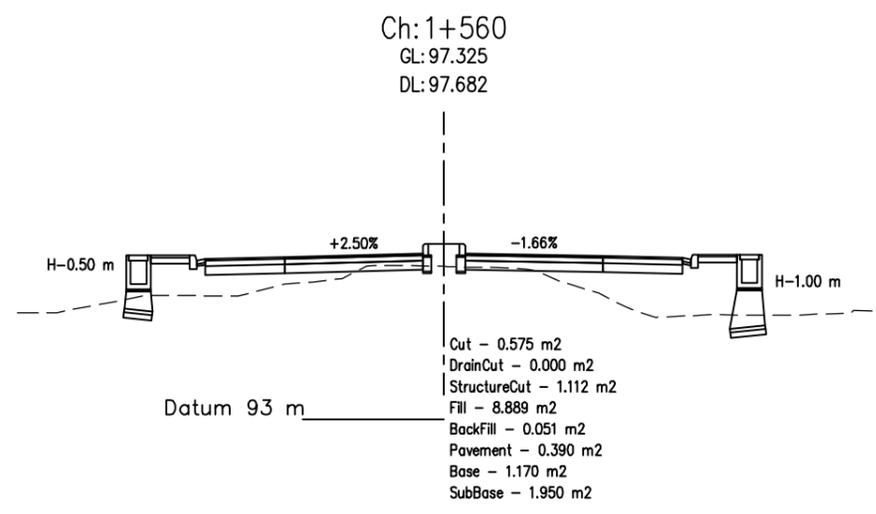
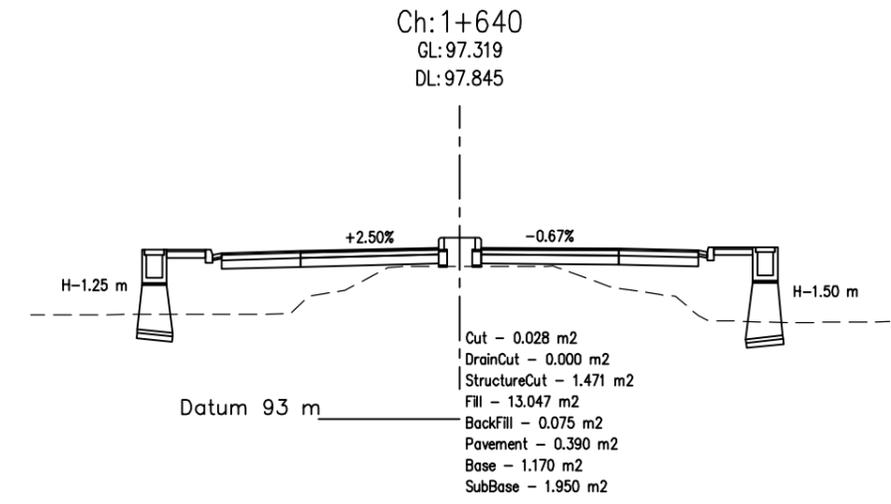
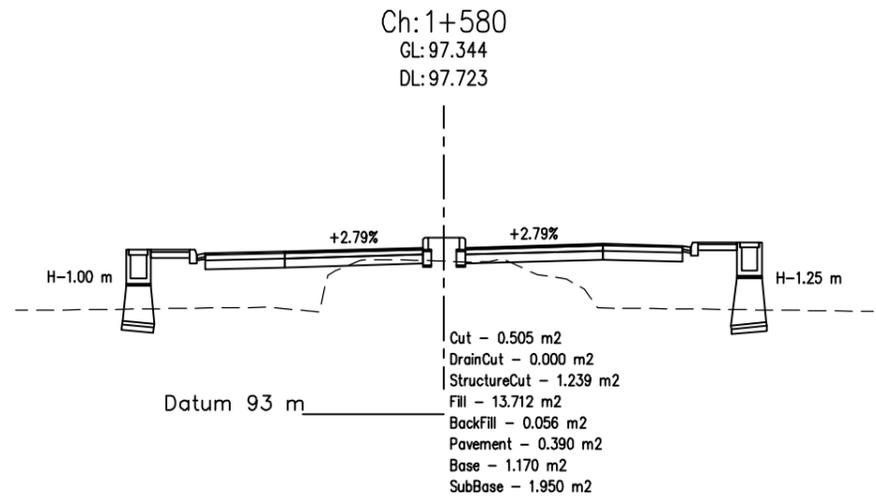
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
**LUMBINI BUS TERMINAL ACCESS
ROAD**
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/13
CHAINAGE : 1+420-1+520
SHEET NO : 13

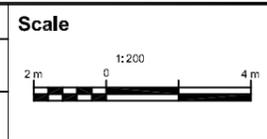


Department of Urban Development & Building Construction (DUDBC)
Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
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in Association with
ERM (P.) Ltd., SILT Consultants (P.) Ltd., and
DIGICON (P.) Ltd.
Mid-Baneshwor, Kathmandu
Tel: 01-4589393

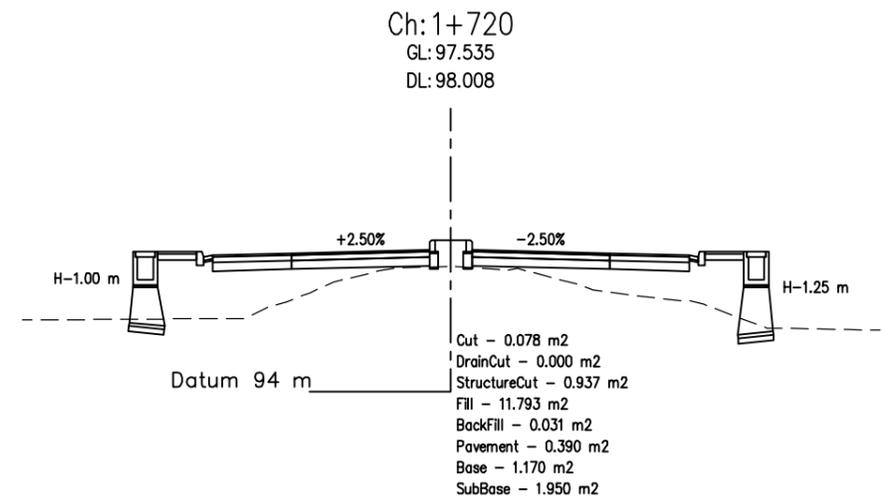
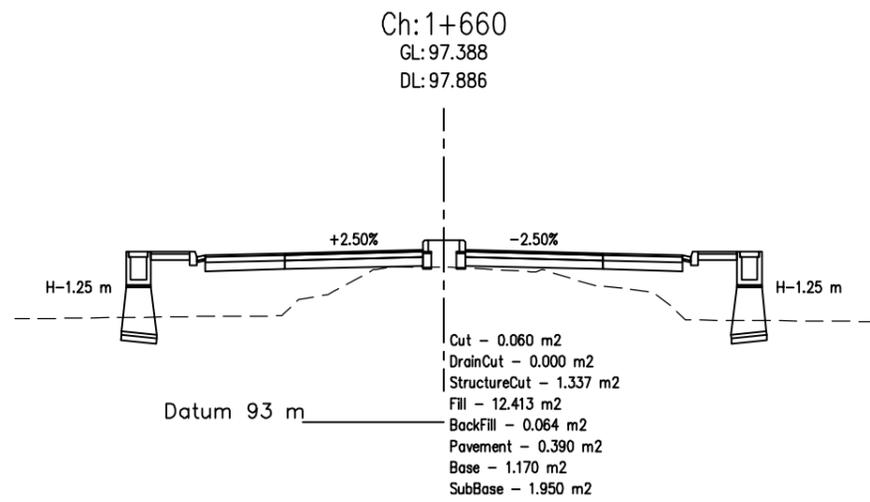
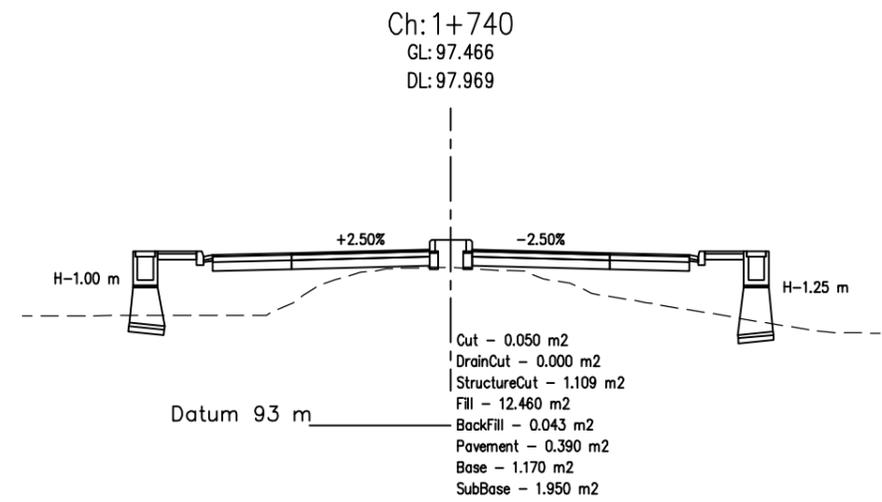
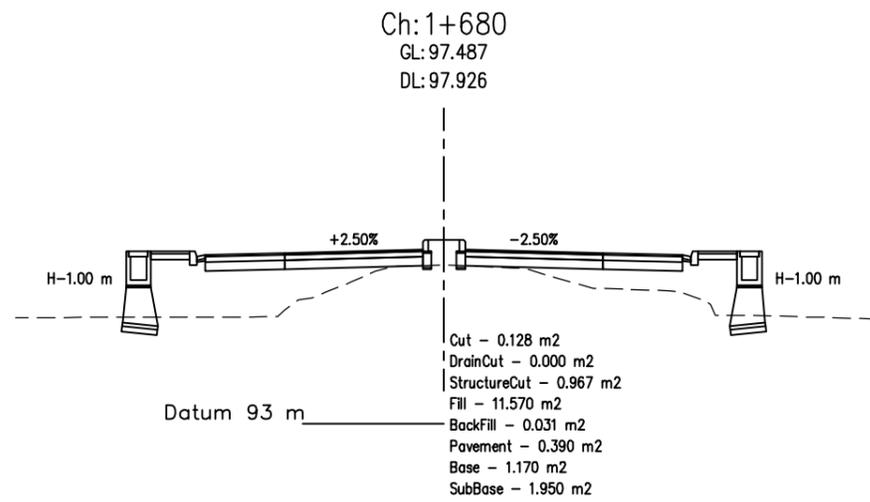
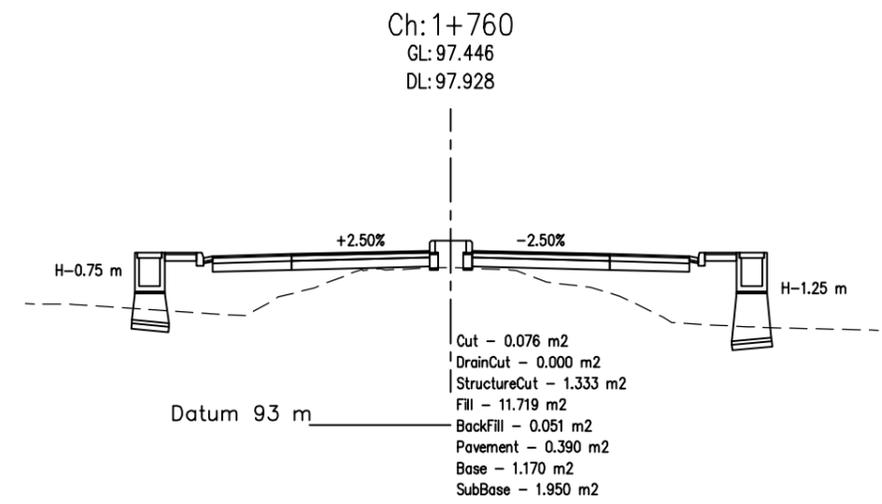
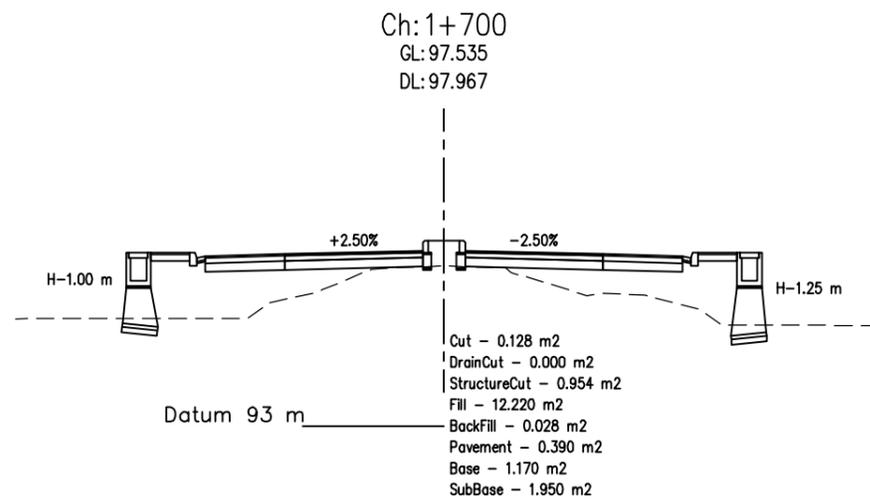
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/14
CHAINAGE : 1+540-1+640
SHEET NO : 14



Department of Urban Development & Building
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Babarmahal, Kathmandu, Nepal

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Tel: 01- 4589393

Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

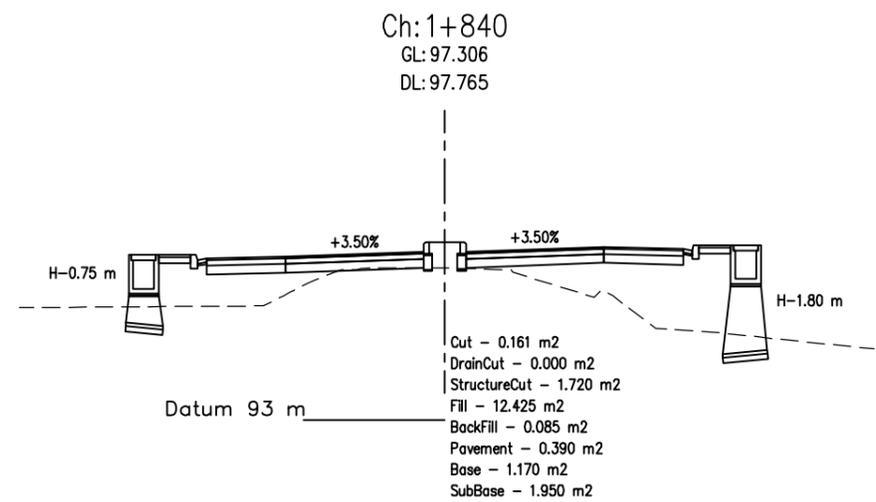
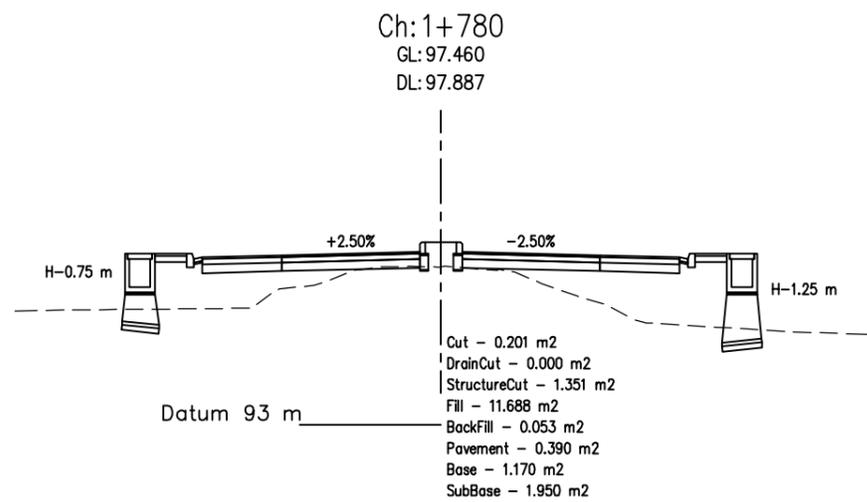
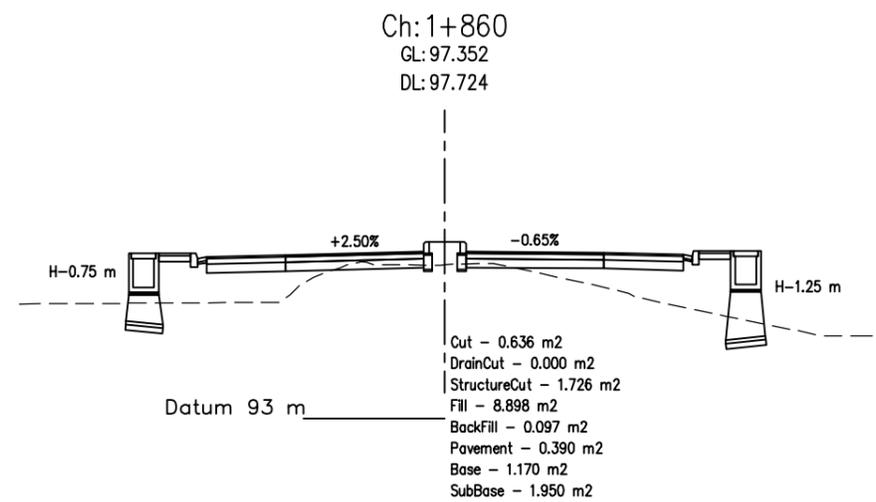
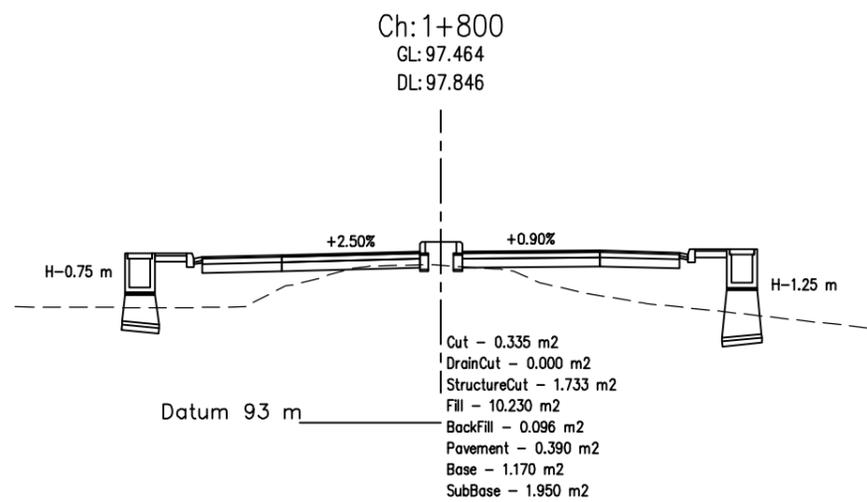
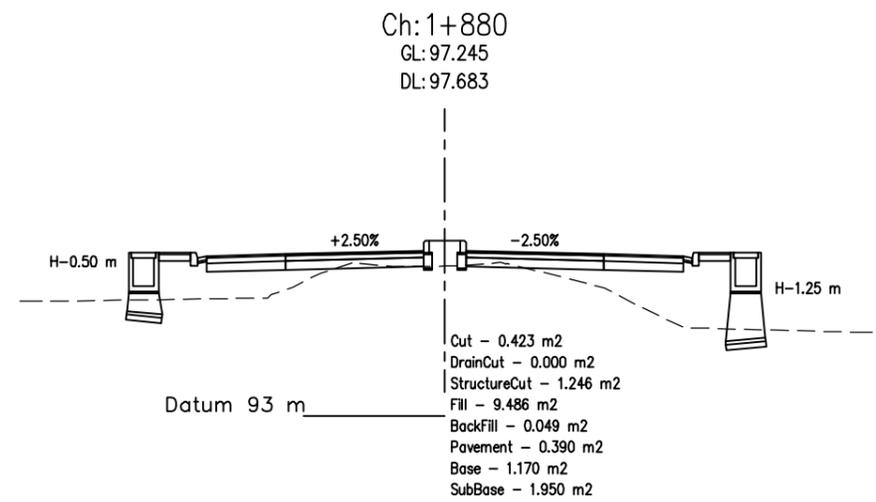
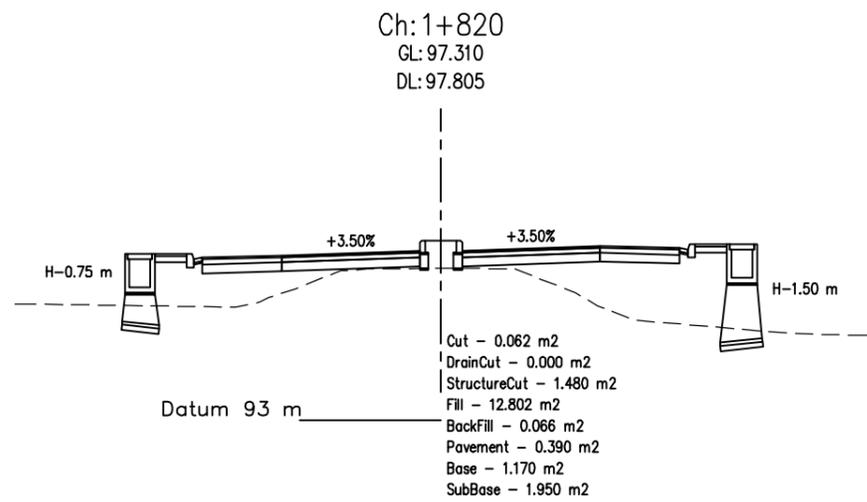
Client
Approved By :
Checked By :

Scale



Cross-Section
LUMBINI BUS TERMINAL ACCESS
ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/15
CHAINAGE : 1+660-1+760
SHEET NO : 15

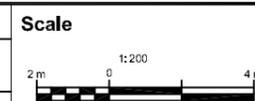


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Tel: 01- 4589393

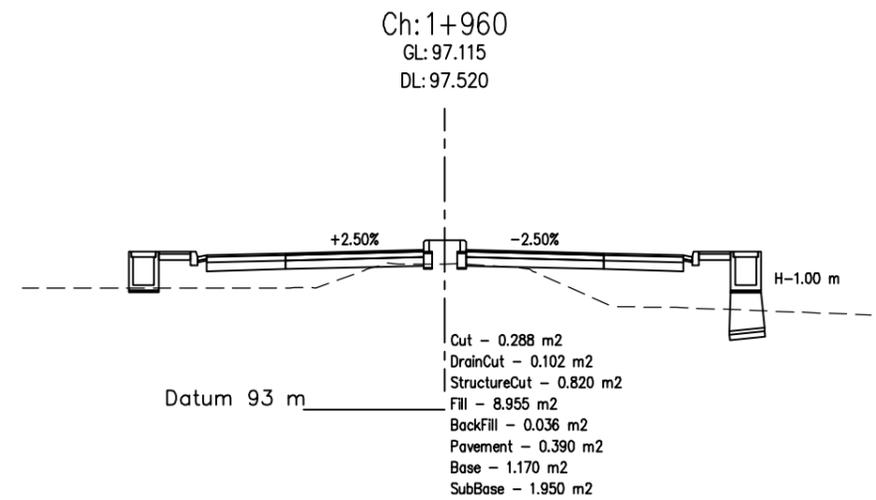
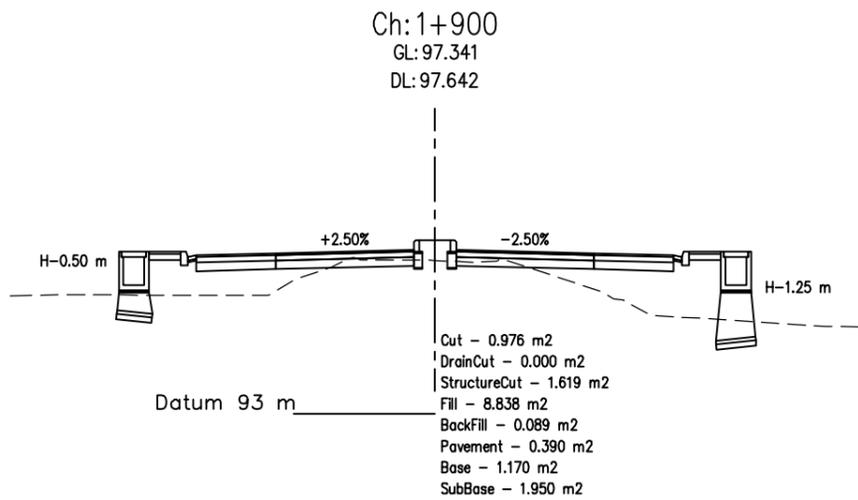
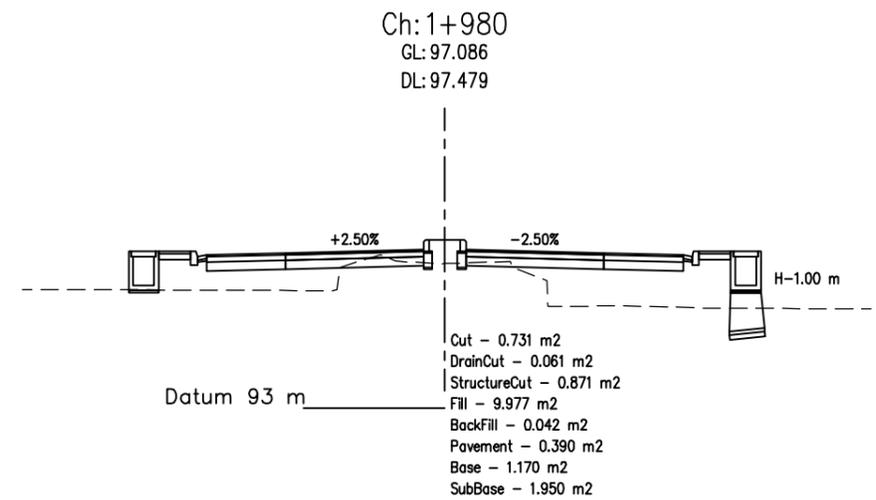
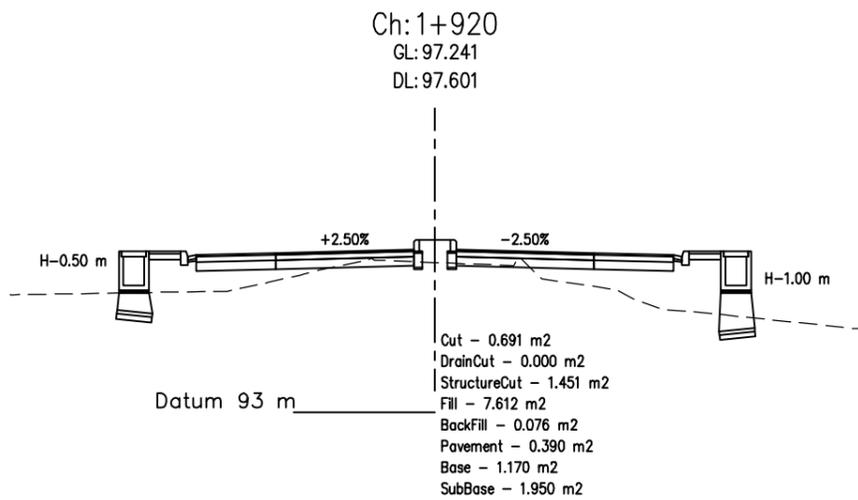
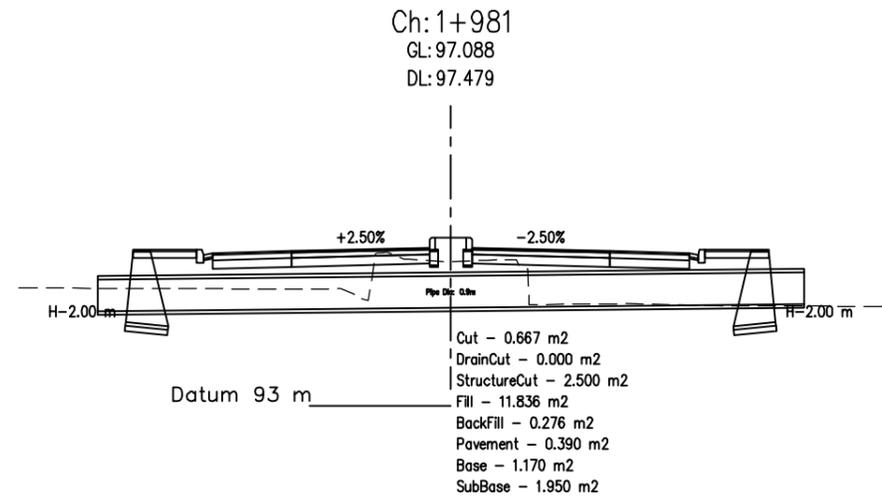
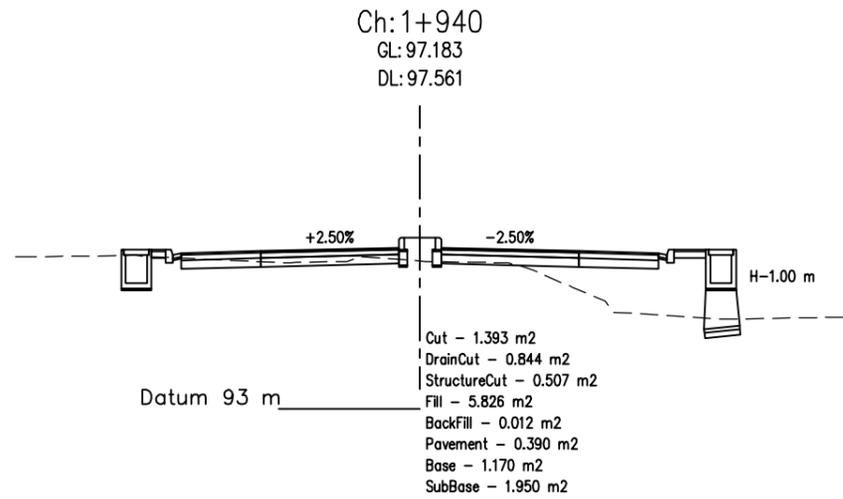
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS
ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/16
CHAINAGE : 1+780-1+880
SHEET NO : 16

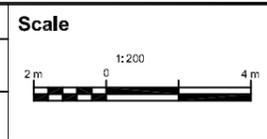


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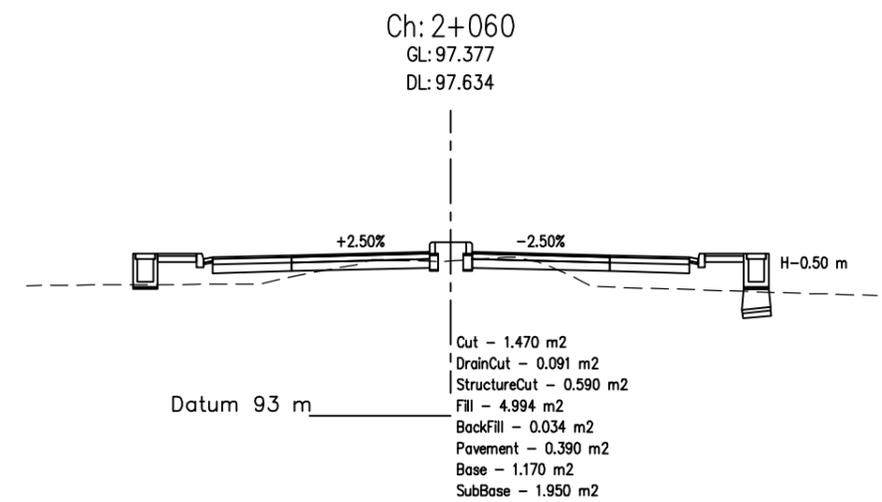
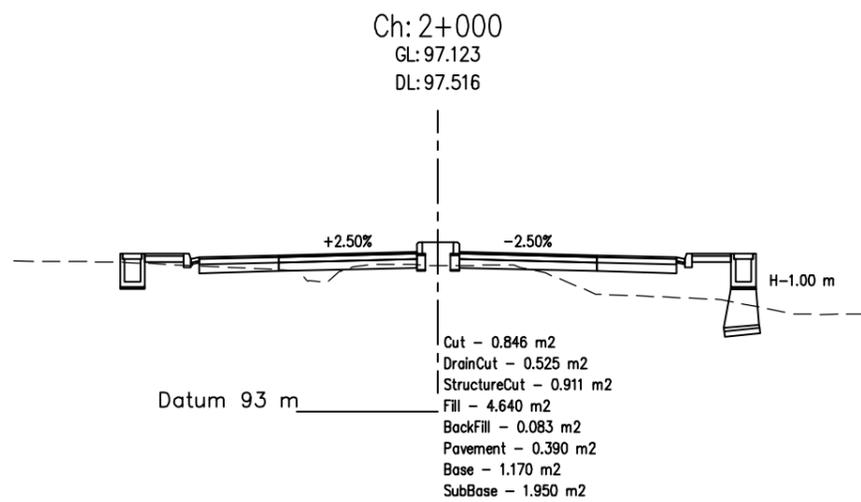
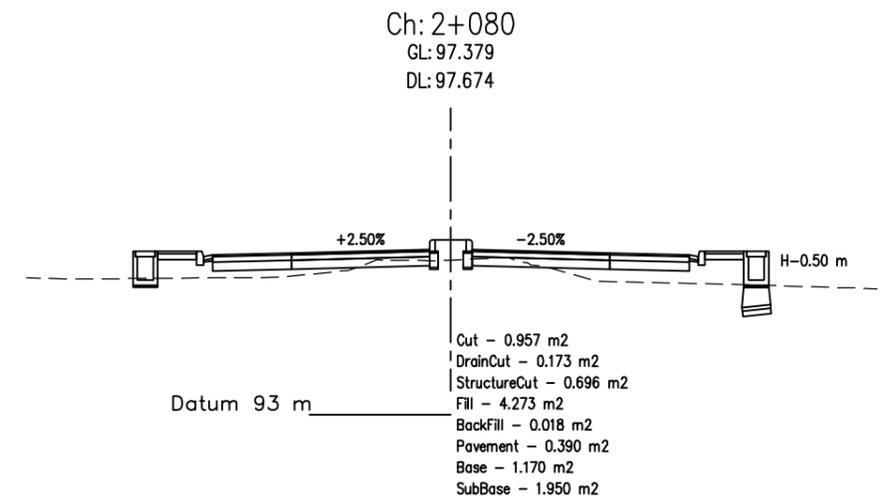
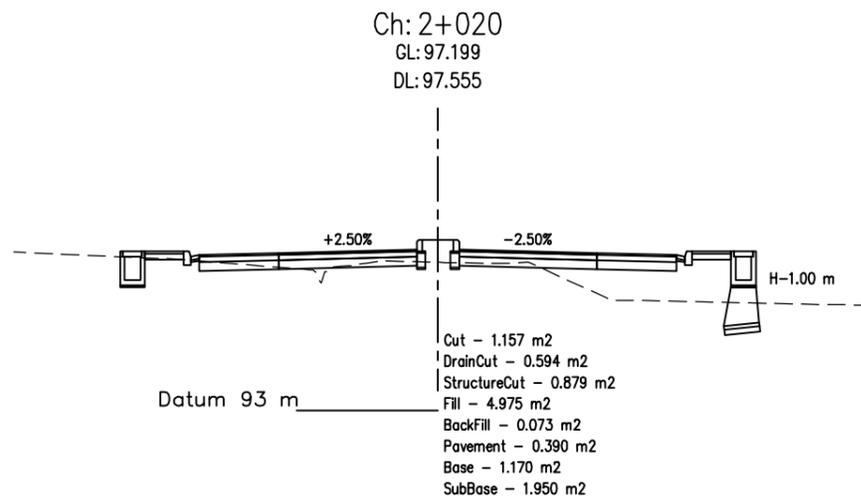
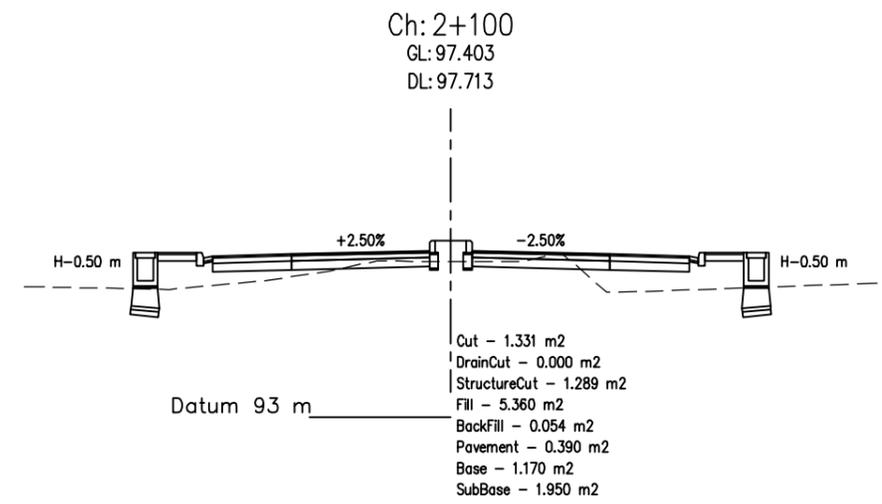
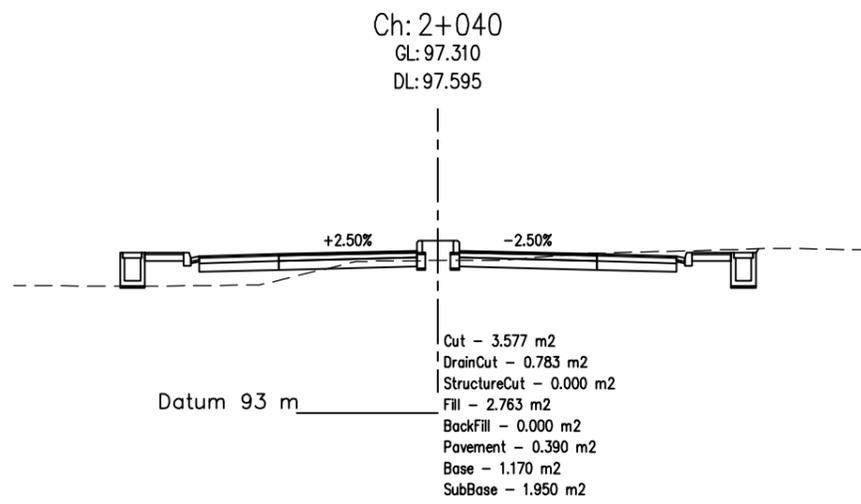
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/17
CHAINAGE : 1+900-1+981
SHEET NO : 17

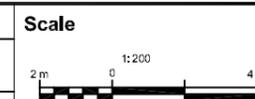


Department of Urban Development & Building
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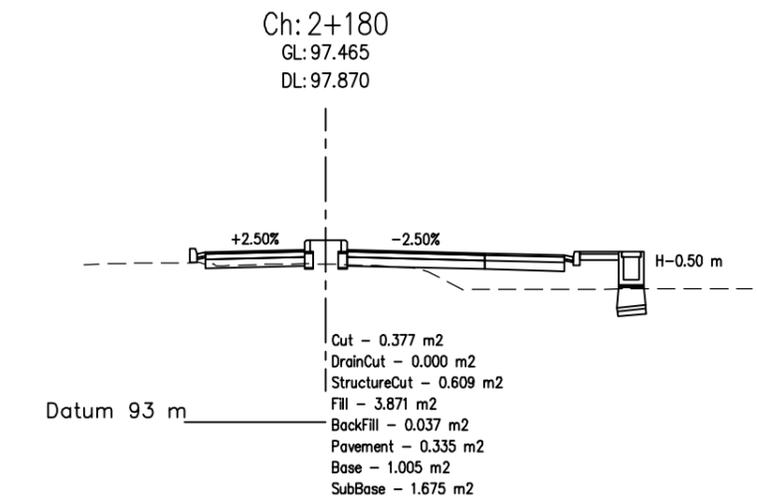
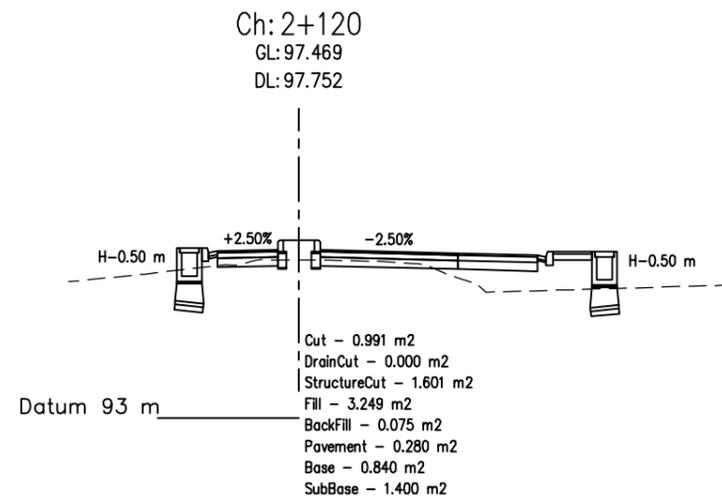
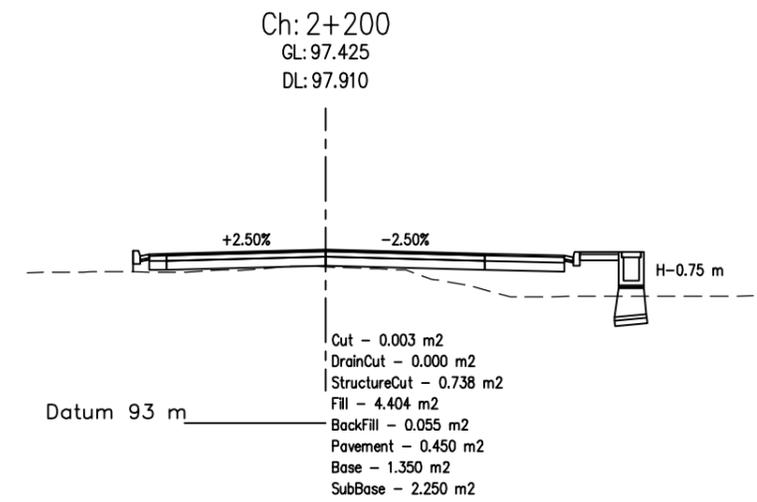
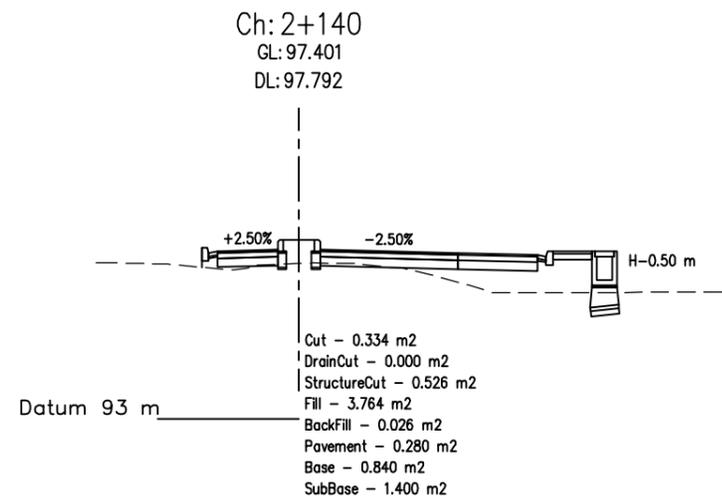
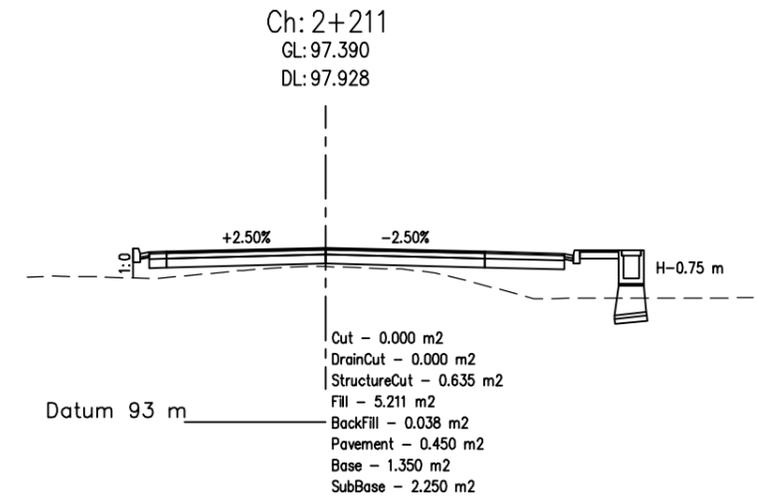
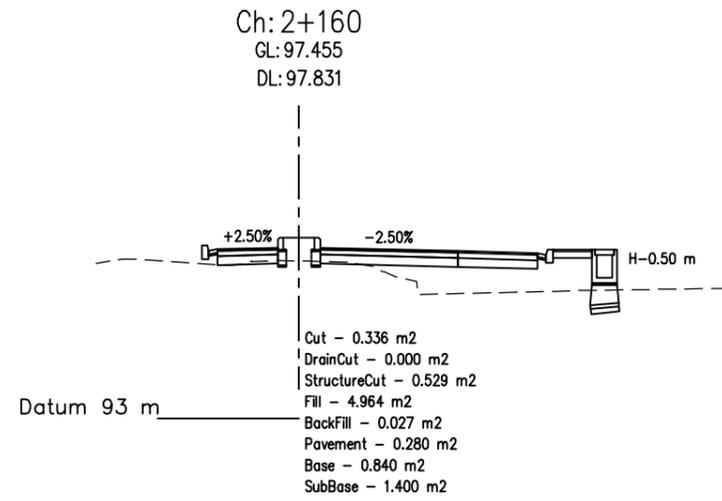
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS
ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/18
CHAINAGE : 2+000-2+100
SHEET NO : 18

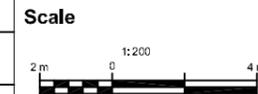


Department of Urban Development & Building
Construction (DUDBC)
Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
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Mid- Baneshwor, Kathmandu
Tel: 01- 4589393

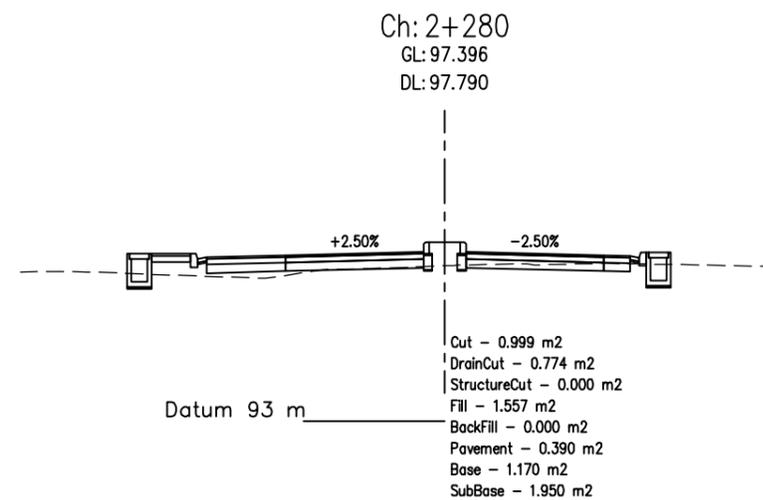
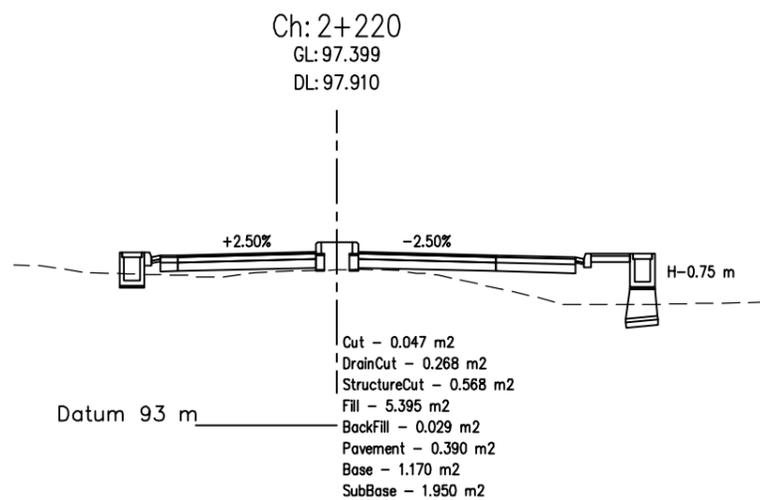
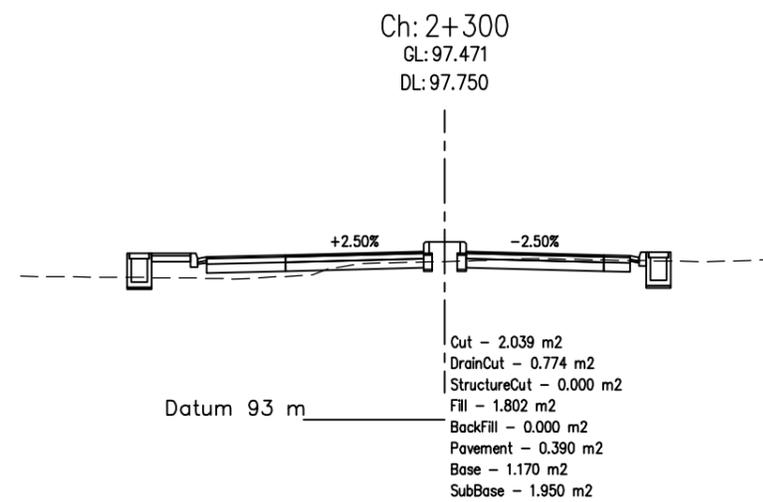
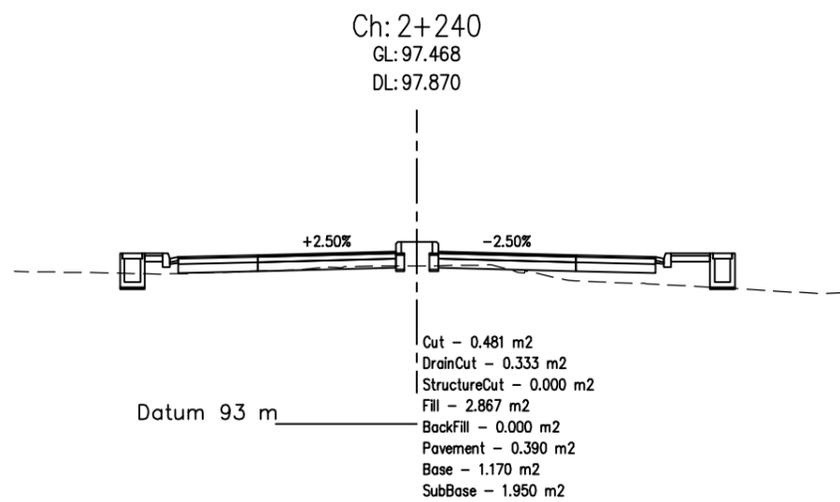
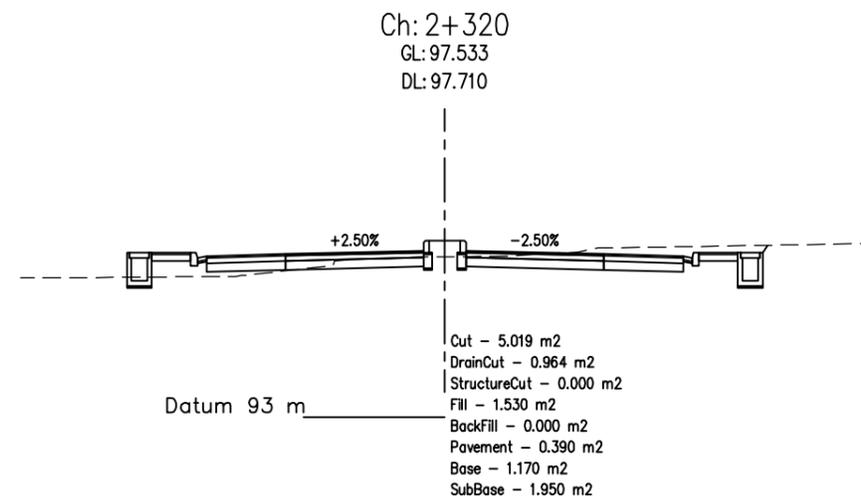
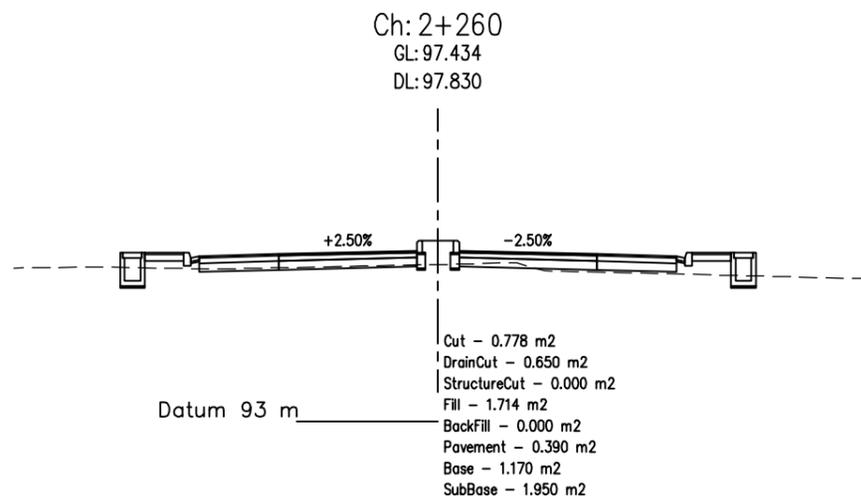
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/19
CHAINAGE : 2+120-2+211
SHEET NO : 19



Department of Urban Development & Building
Construction (DUDBC)
Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

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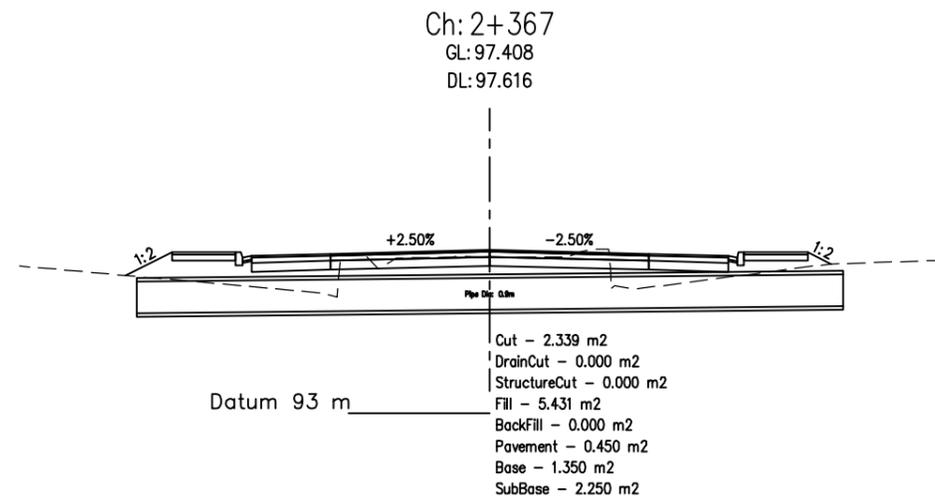
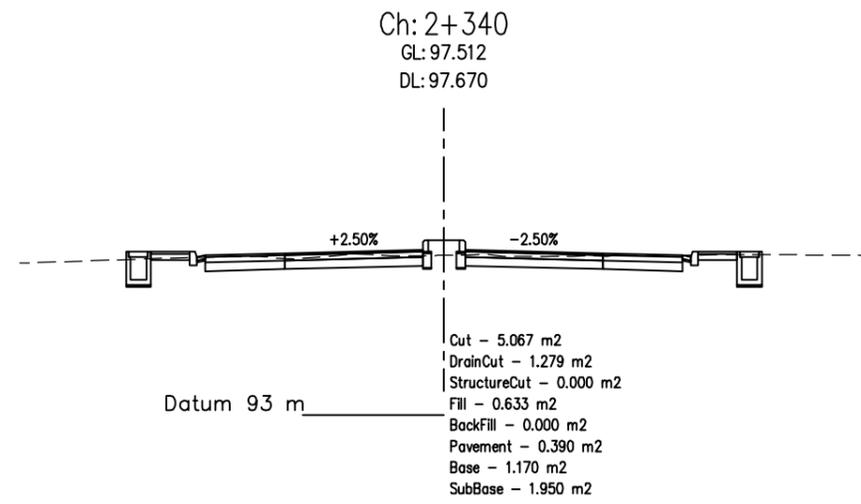
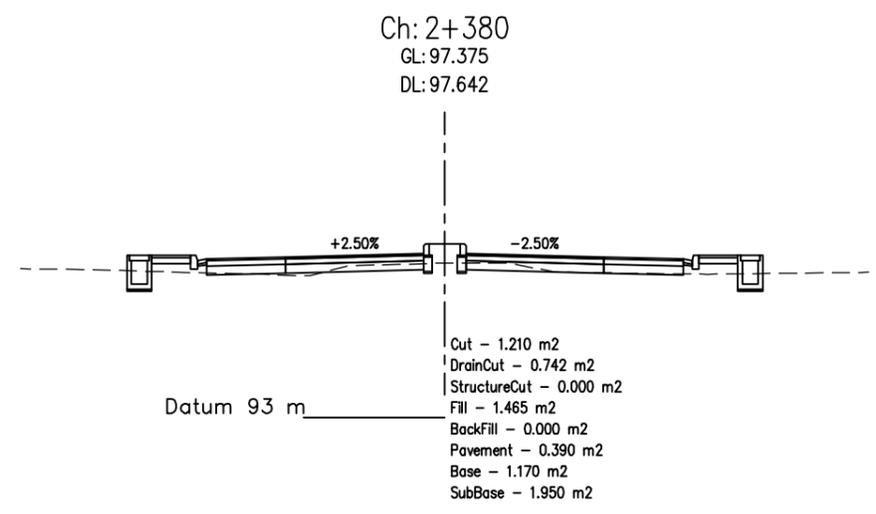
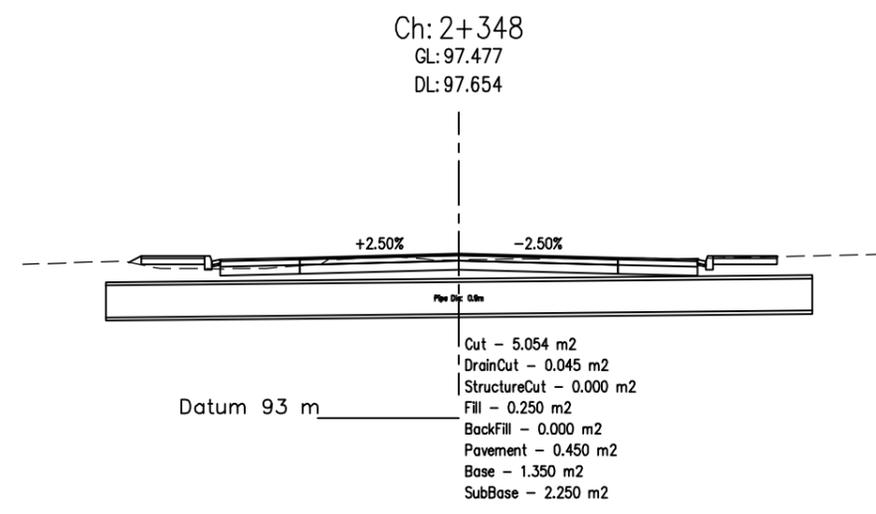
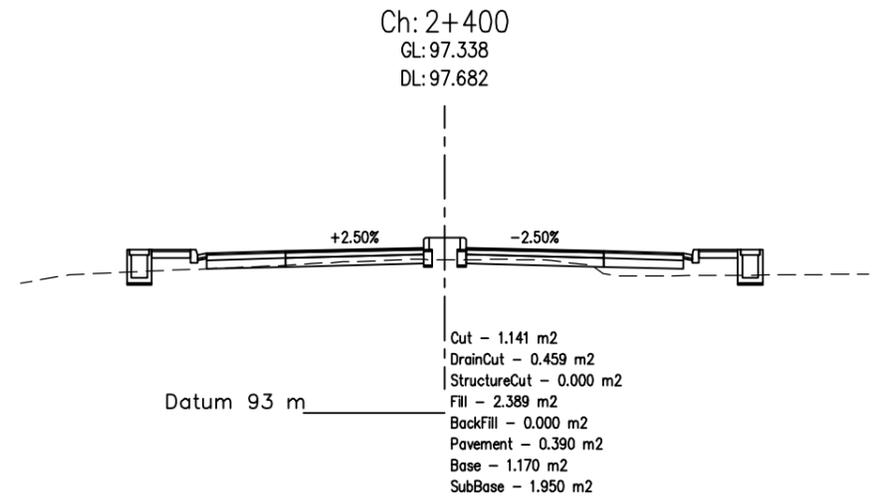
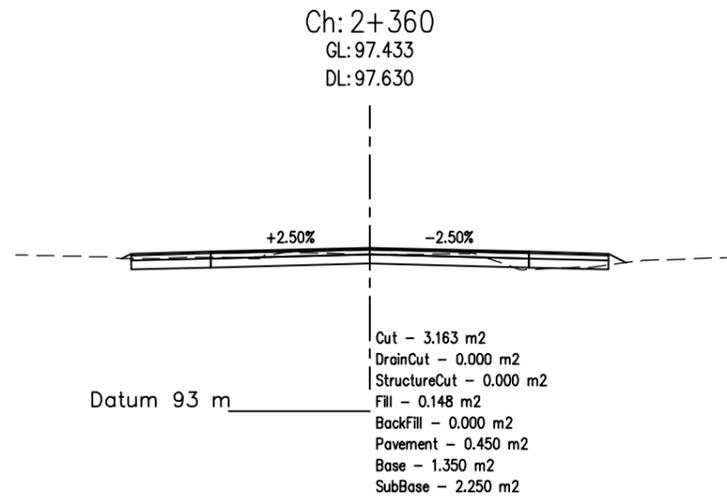
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/20
CHAINAGE : 2+220-2+320
SHEET NO : 20

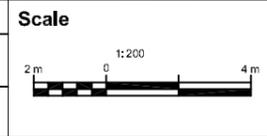


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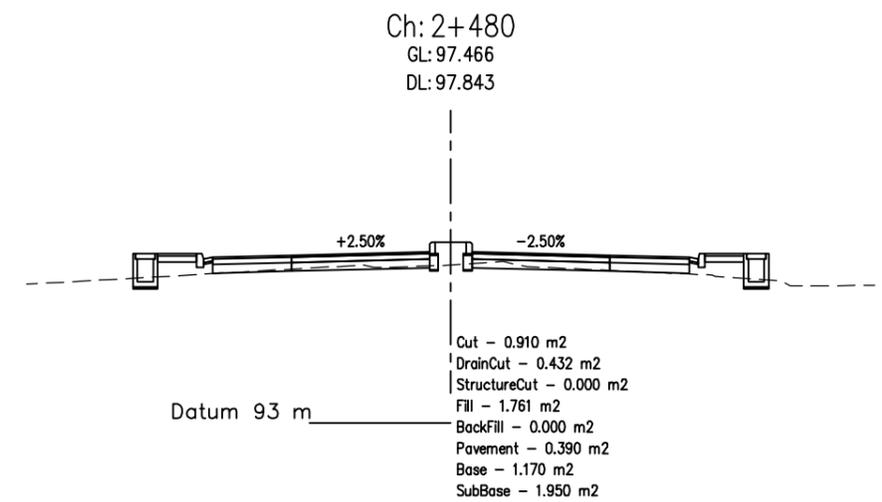
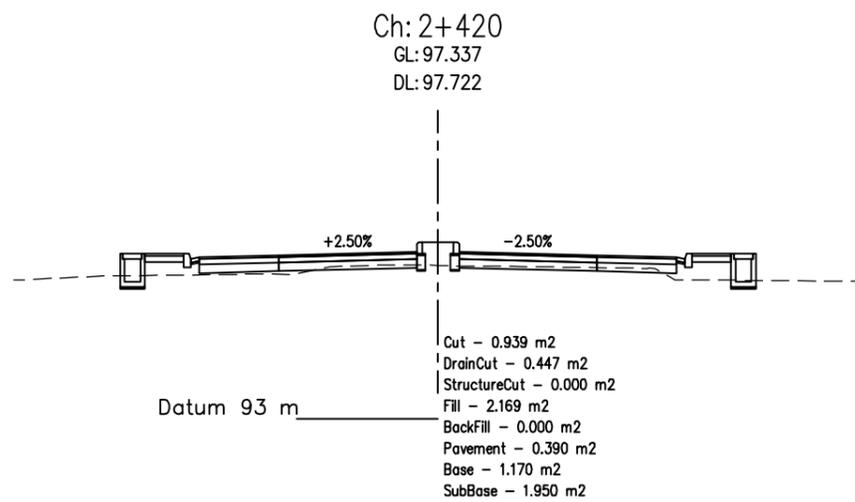
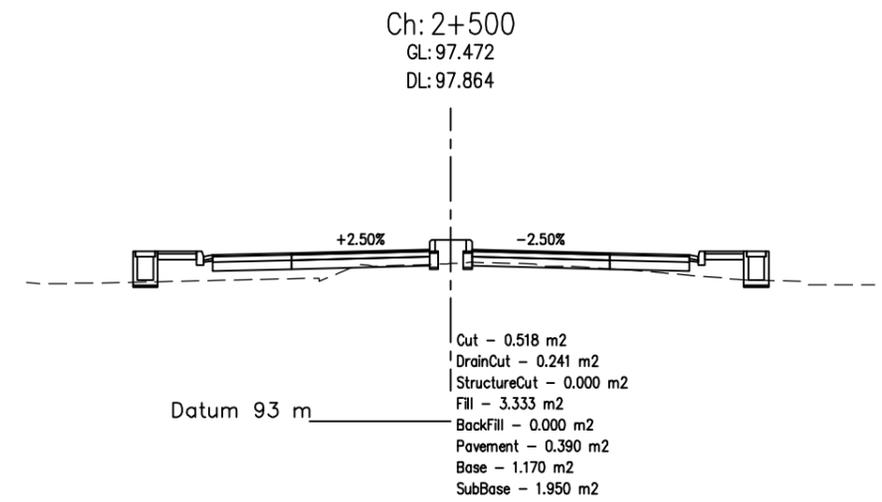
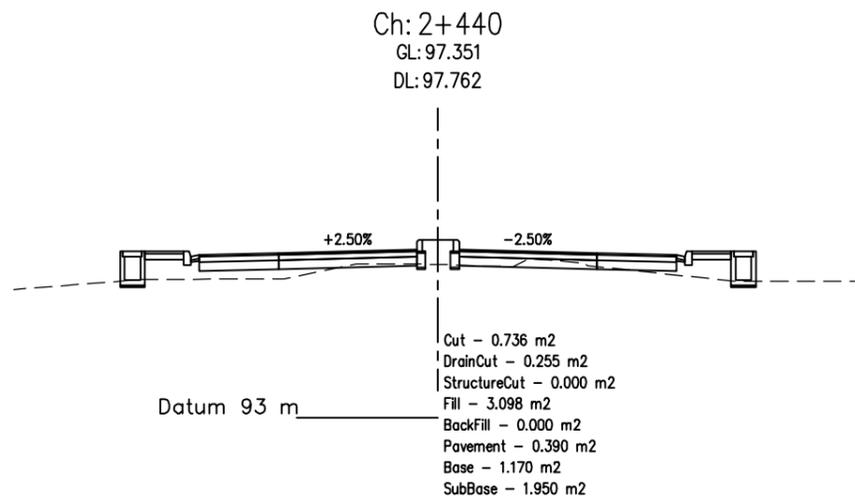
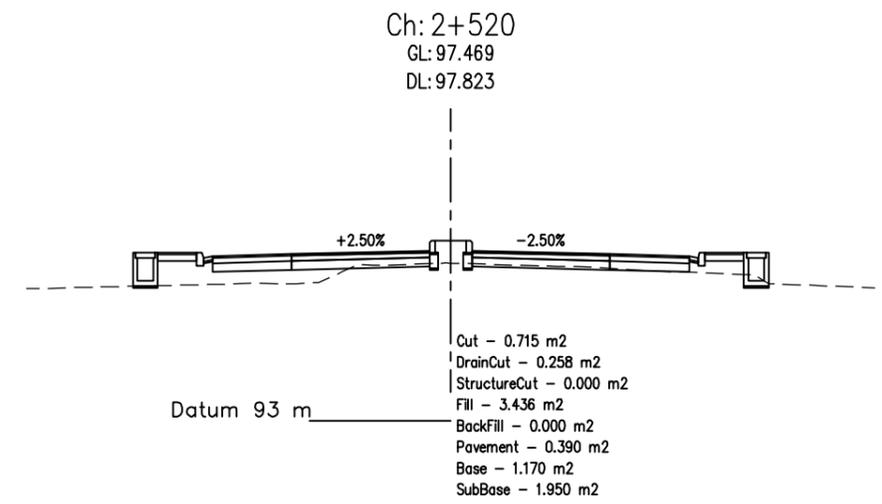
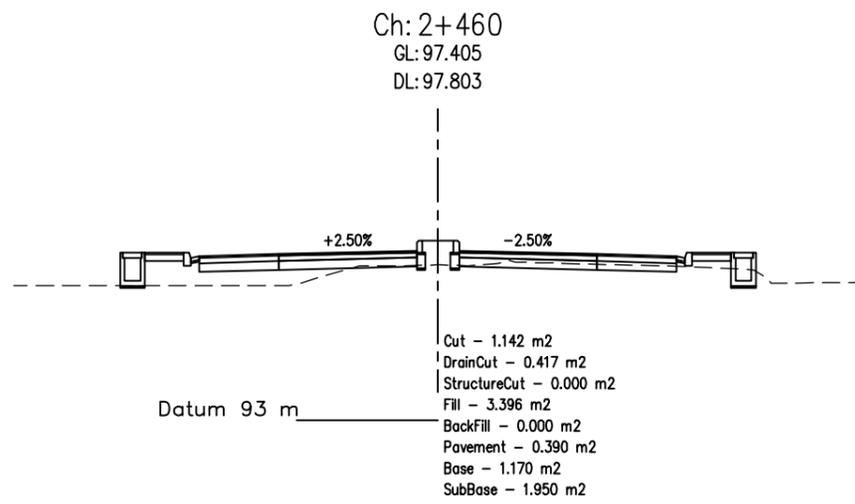
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/21
CHAINAGE : 2+340-2+400
SHEET NO : 21

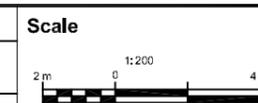


Department of Urban Development & Building
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Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

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Tel: 01- 4589393

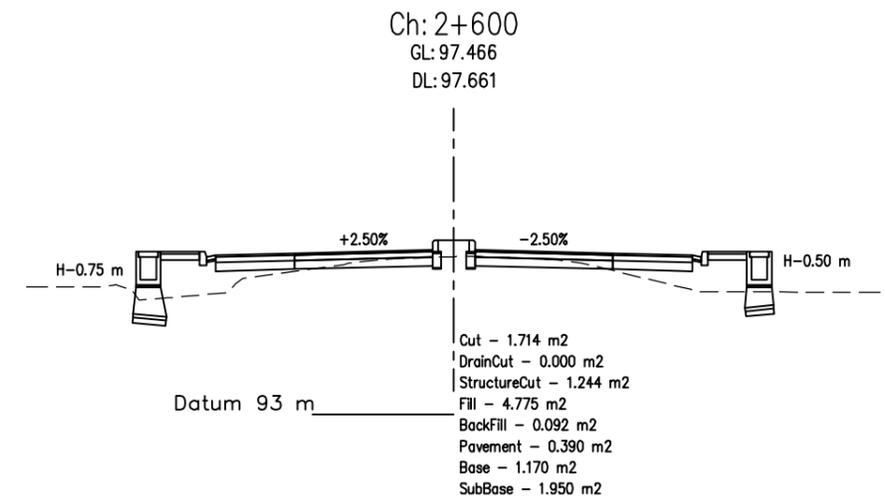
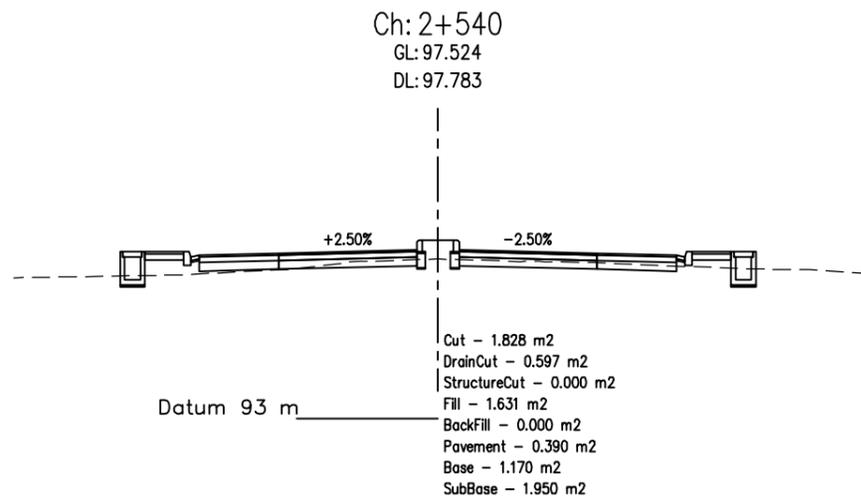
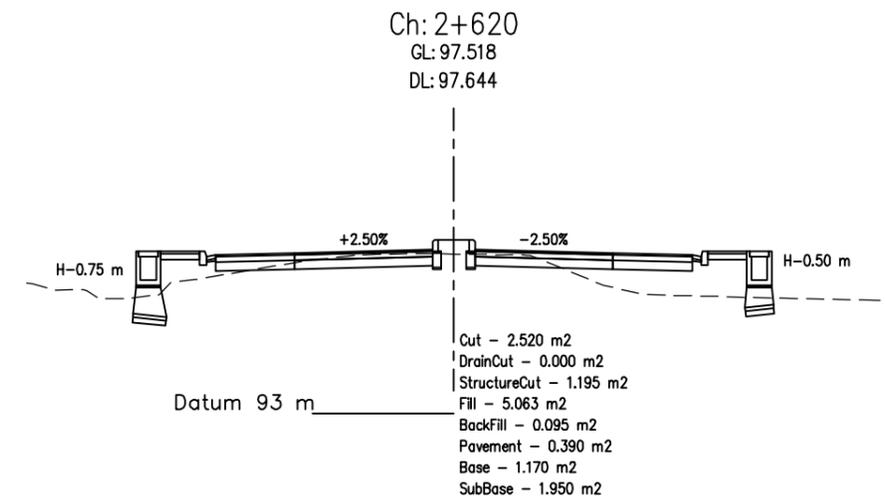
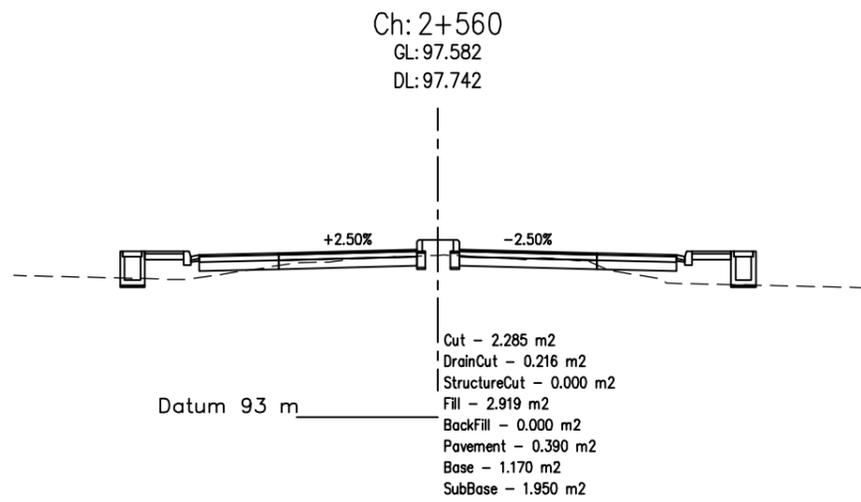
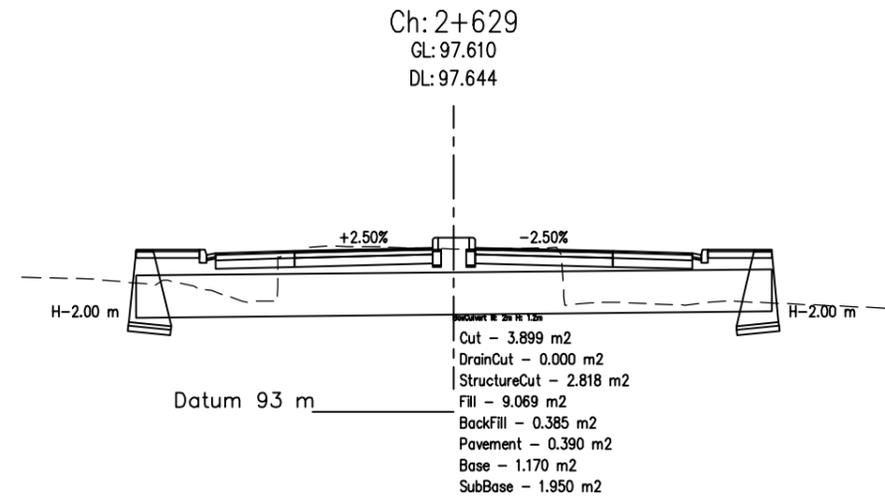
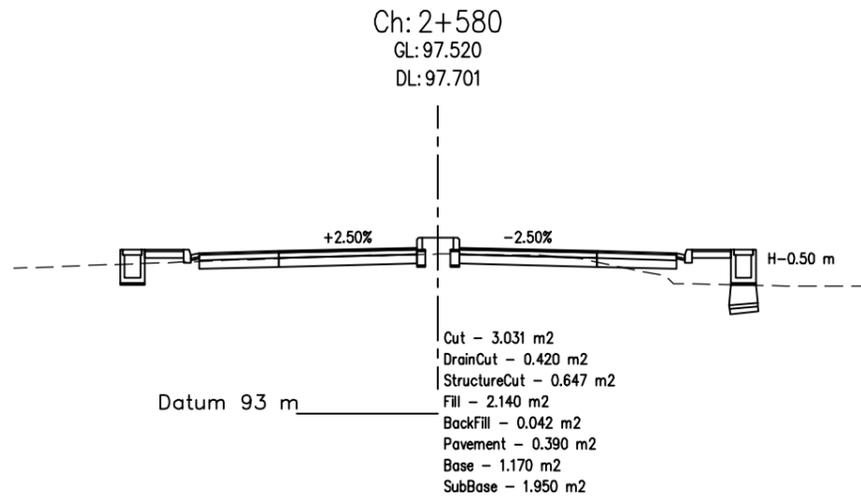
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS
ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/22
CHAINAGE : 2+420-2+520
SHEET NO : 22

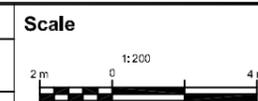


Department of Urban Development & Building
Construction (DUDBC)
Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
DOHWA Engineering Co. Ltd.
in Association with
ERM (P.) Ltd., SILT Consultants (P.) Ltd., and
DIGICON (P.) Ltd.
Mid- Baneshwor, Kathmandu
Tel: 01- 4589393

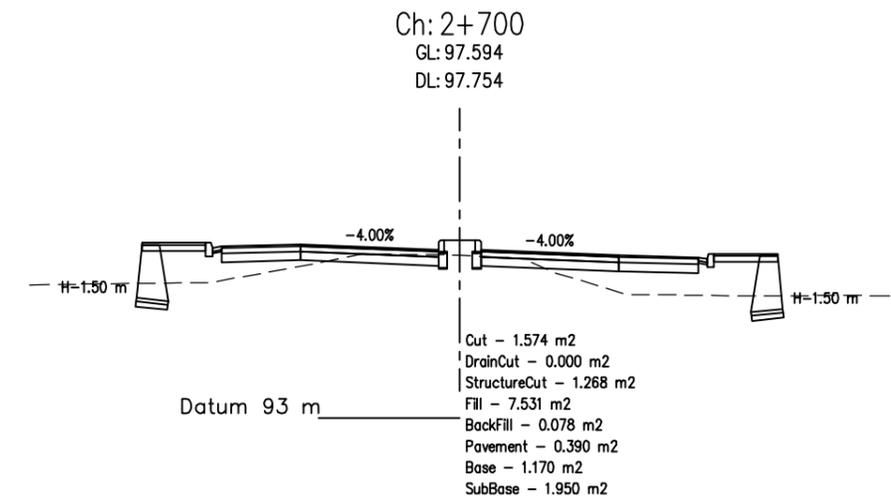
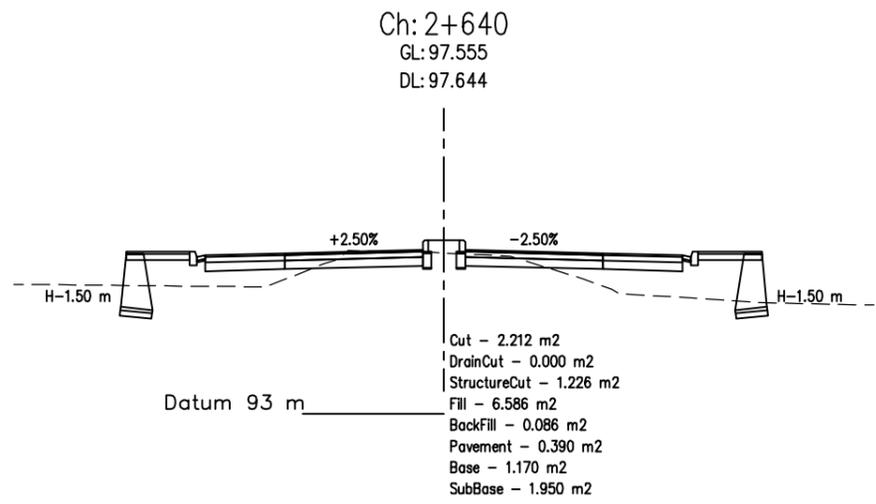
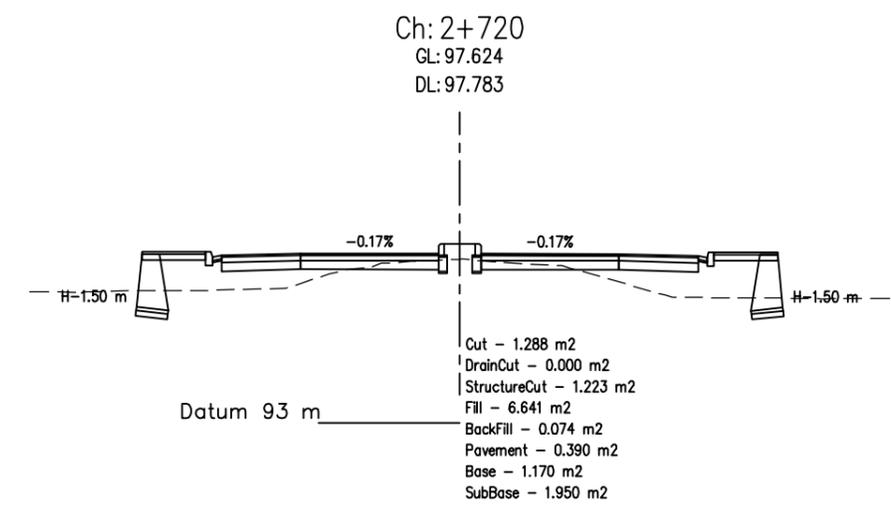
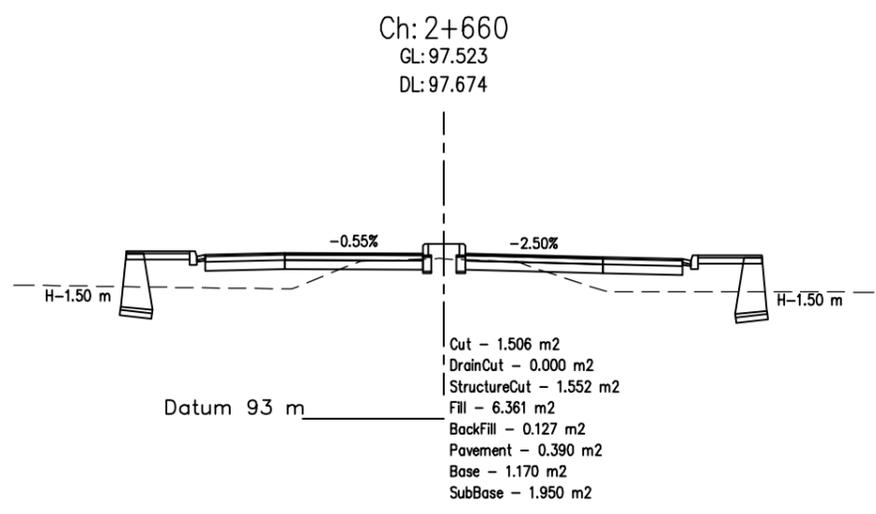
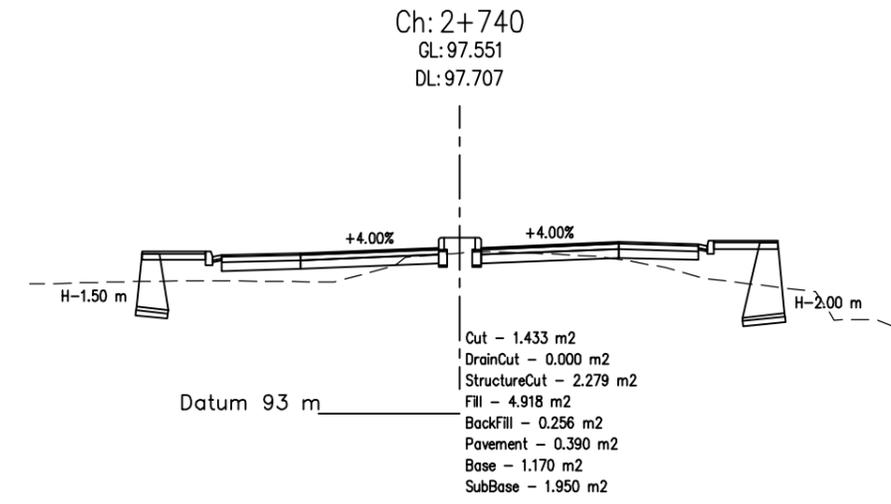
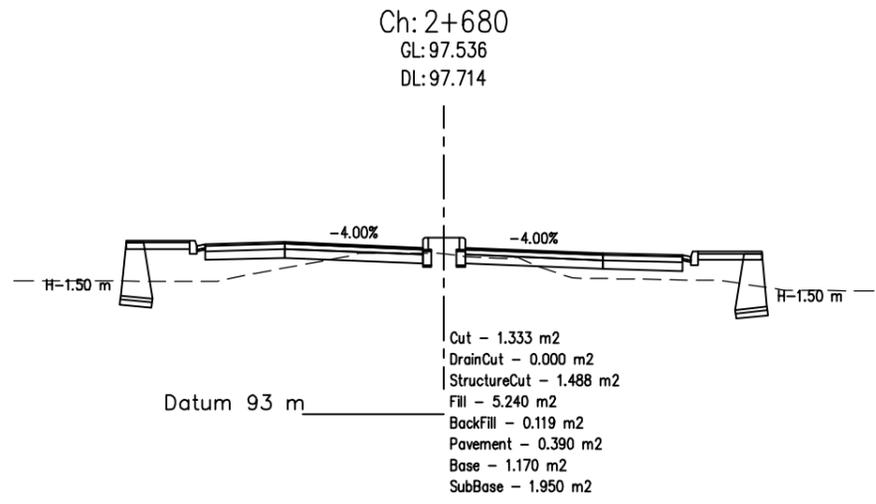
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/23
CHAINAGE : 2+540-2+629
SHEET NO : 23

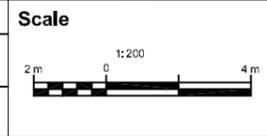


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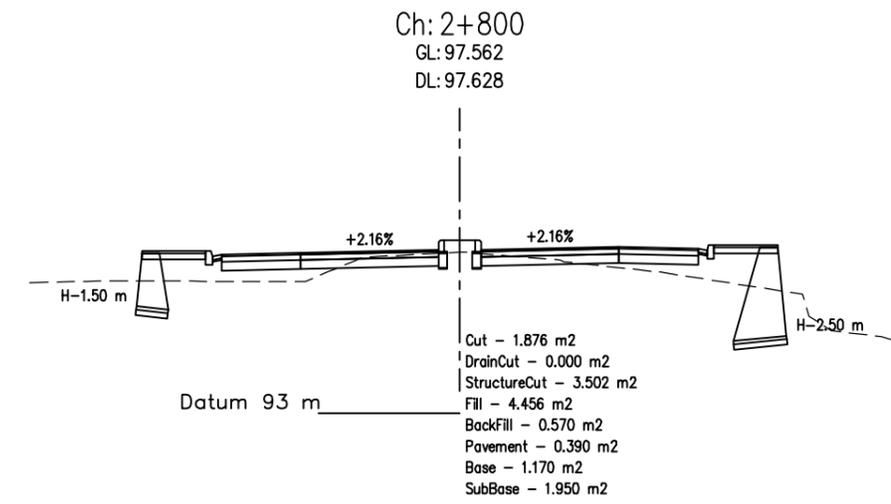
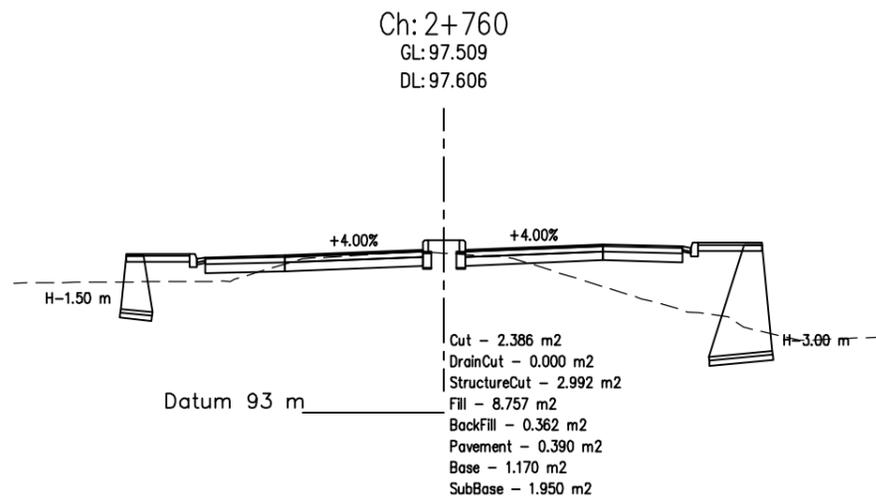
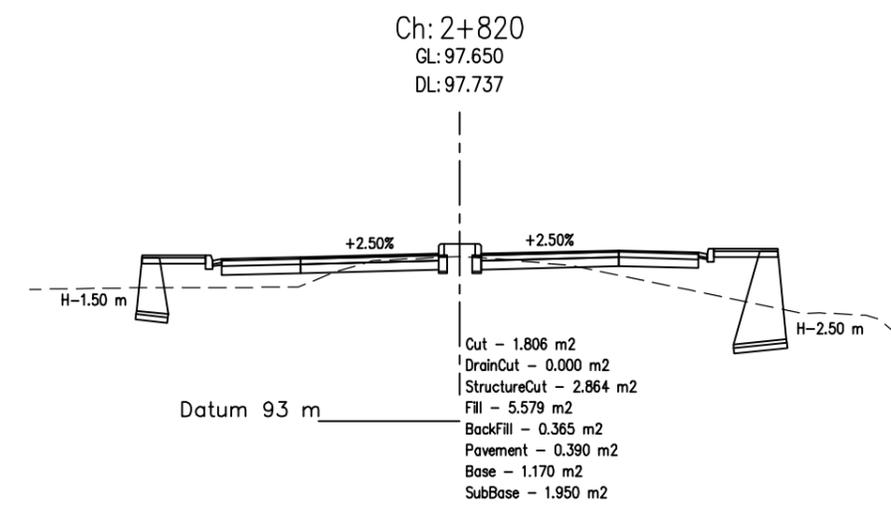
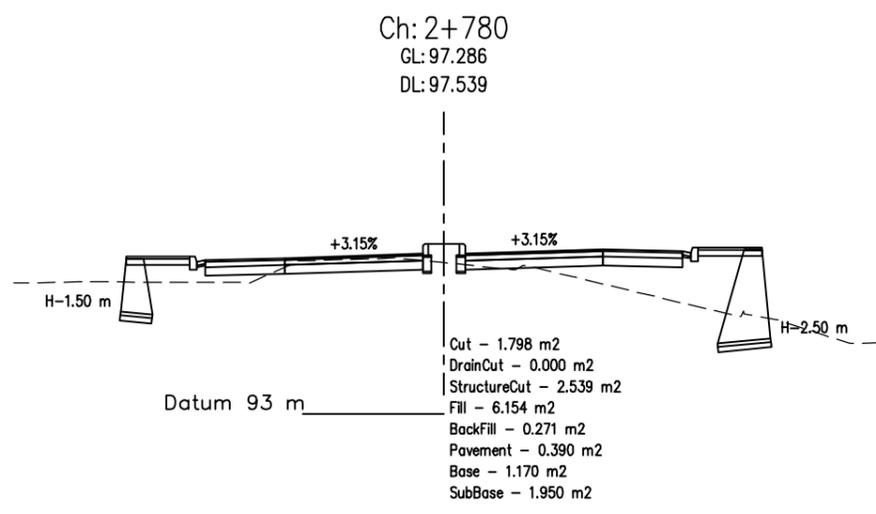
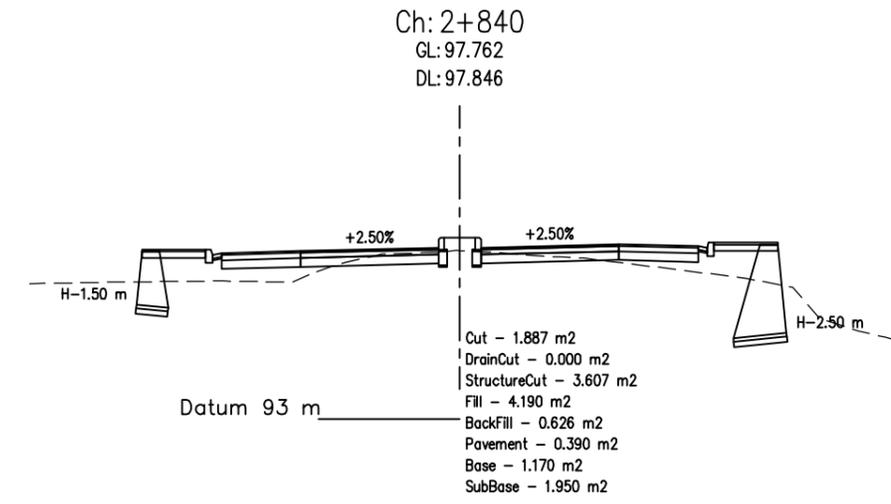
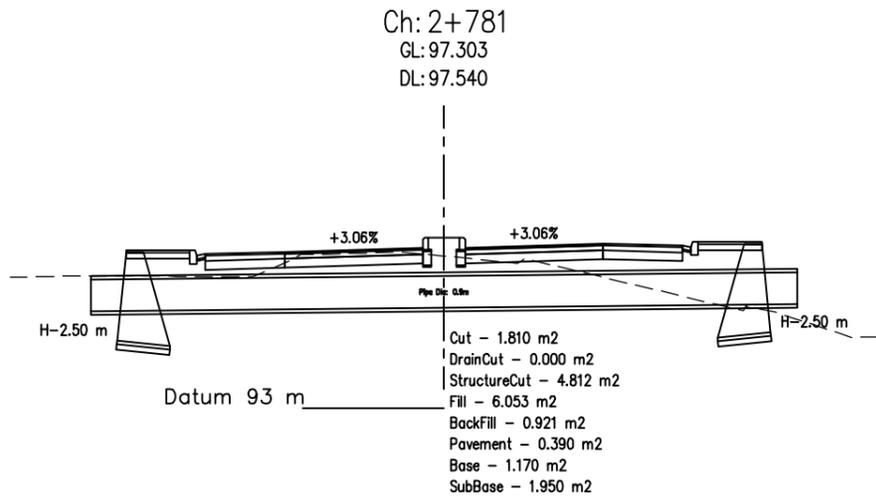
Consultant
Team Leader : YOO CHANGMIN
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Client
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Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/24
CHAINAGE : 2+640-2+740
SHEET NO : 24

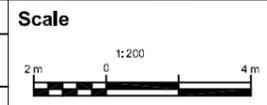


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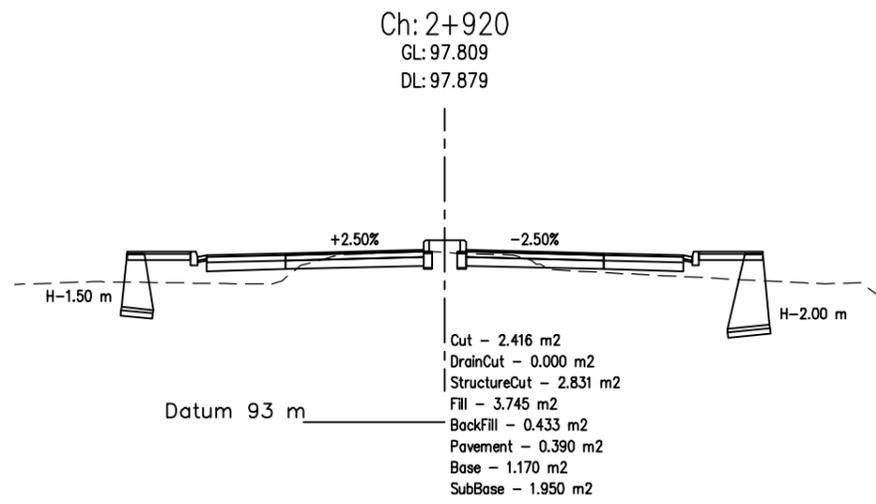
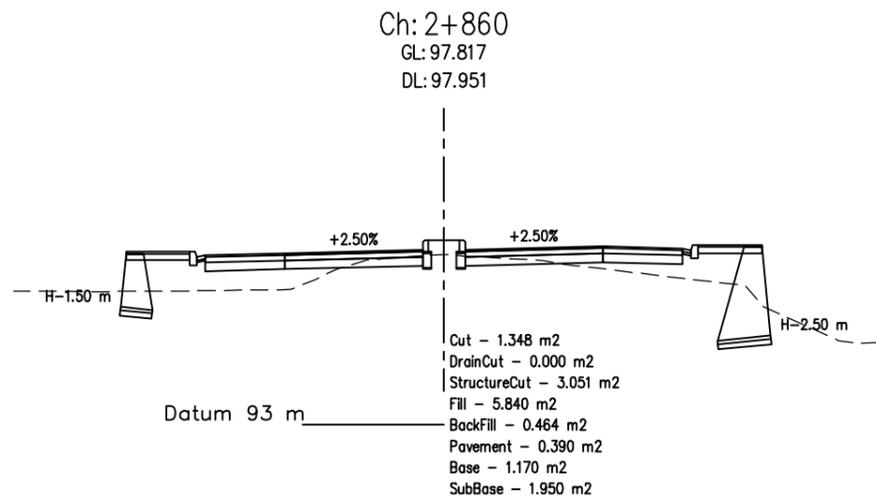
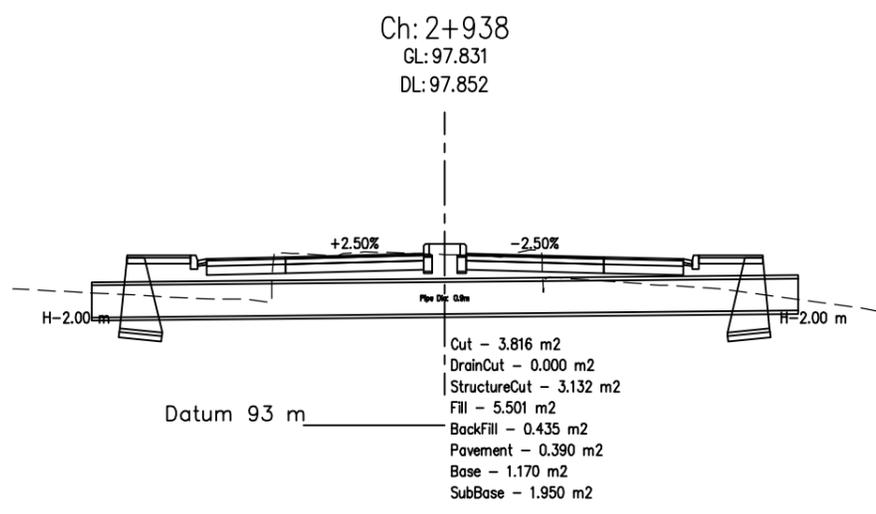
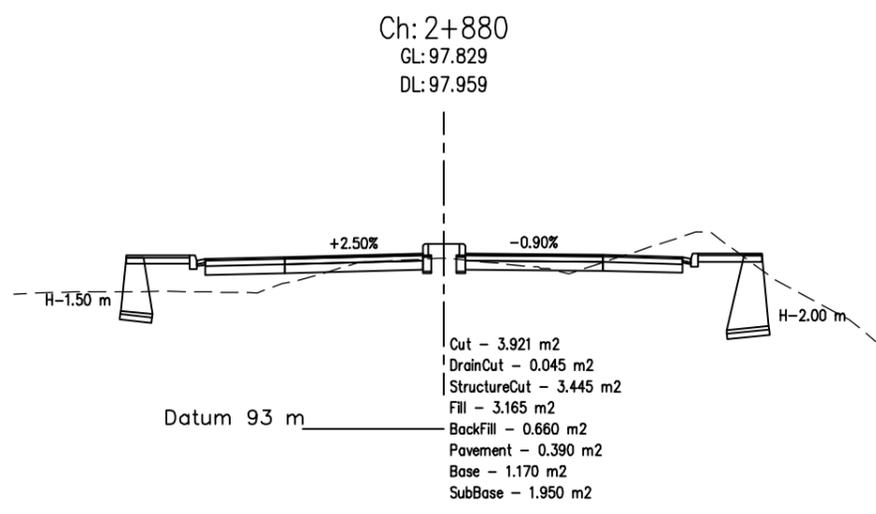
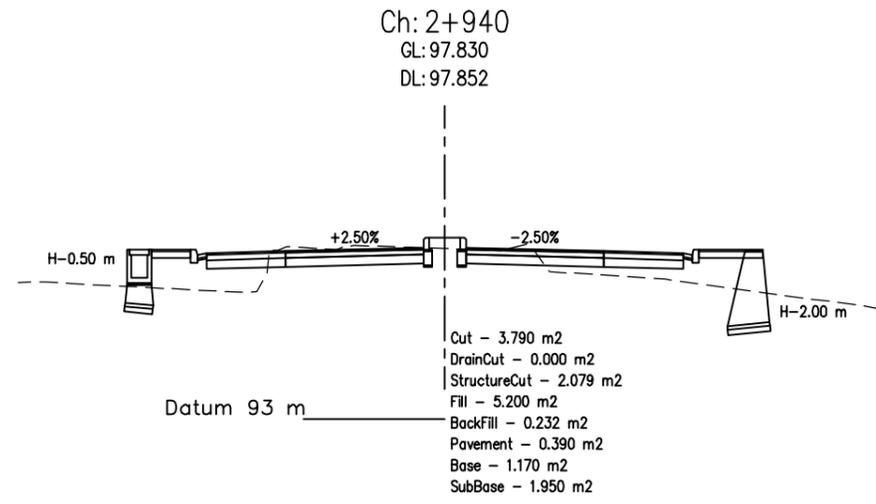
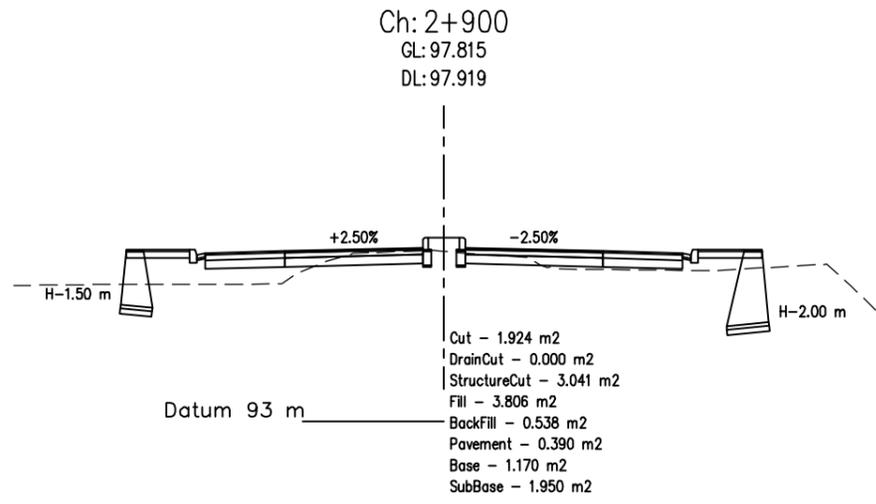
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
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Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/25
CHAINAGE : 2+760-2+840
SHEET NO : 25

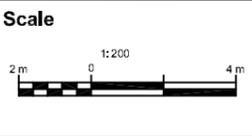


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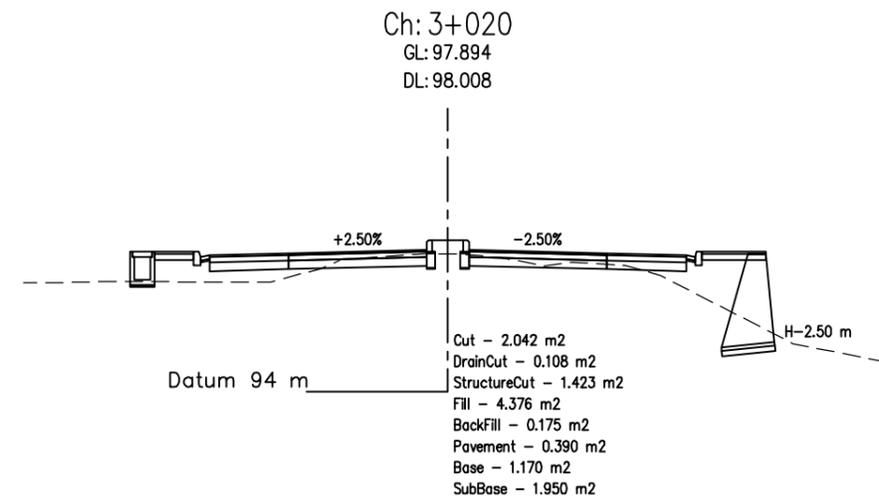
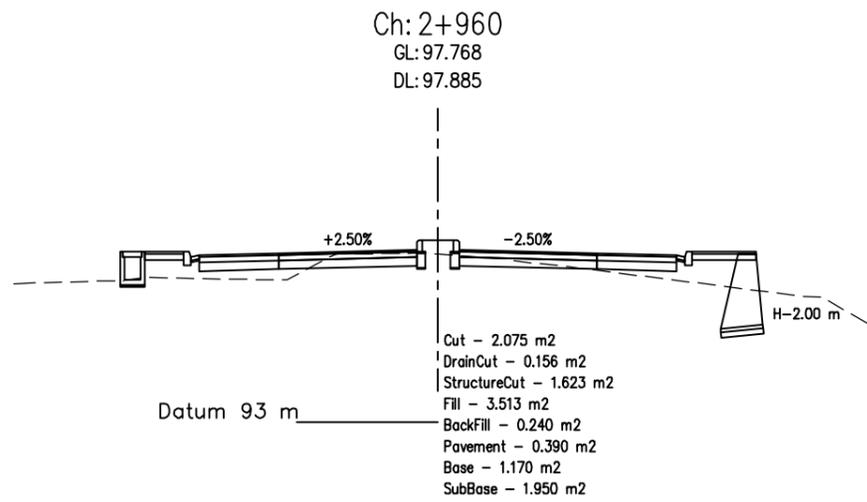
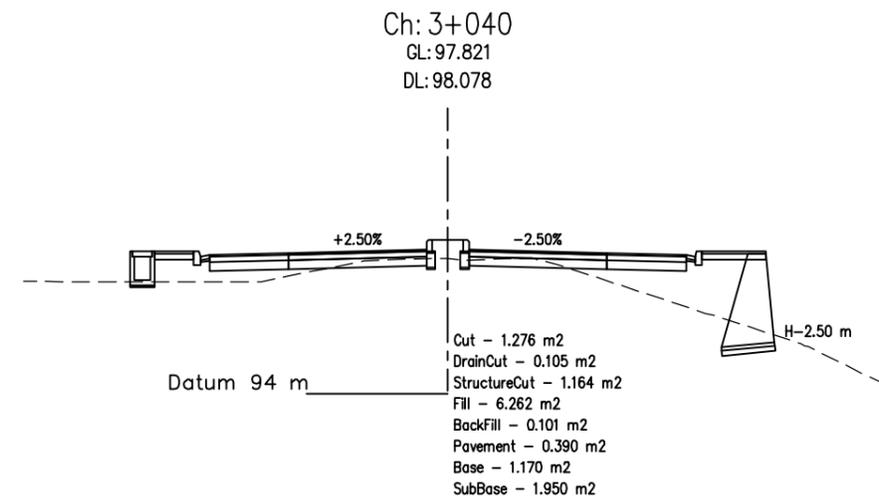
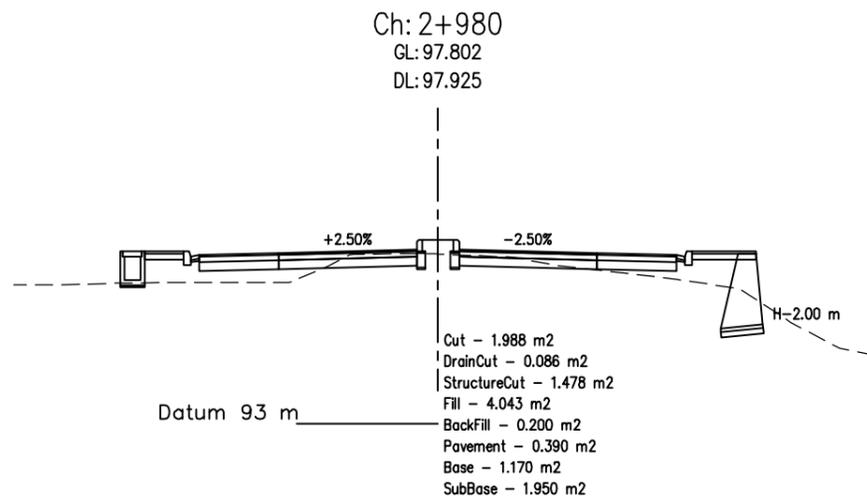
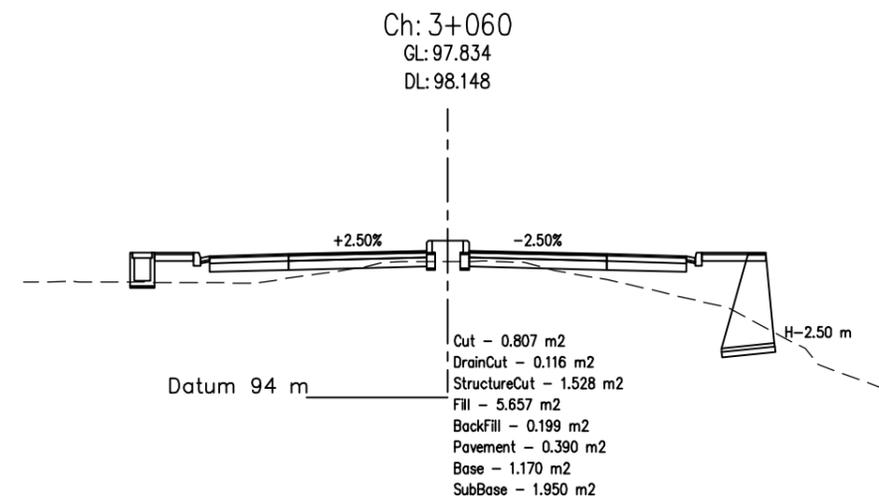
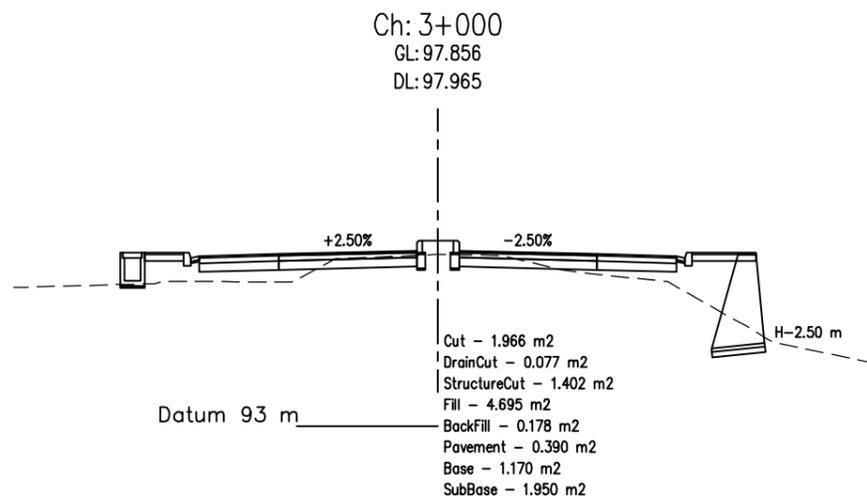
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/26
CHAINAGE : 2+860-2+940
SHEET NO : 26



Department of Urban Development & Building
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Regional Urban Development Project (RUDP)
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Tel: 01-4589393

Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

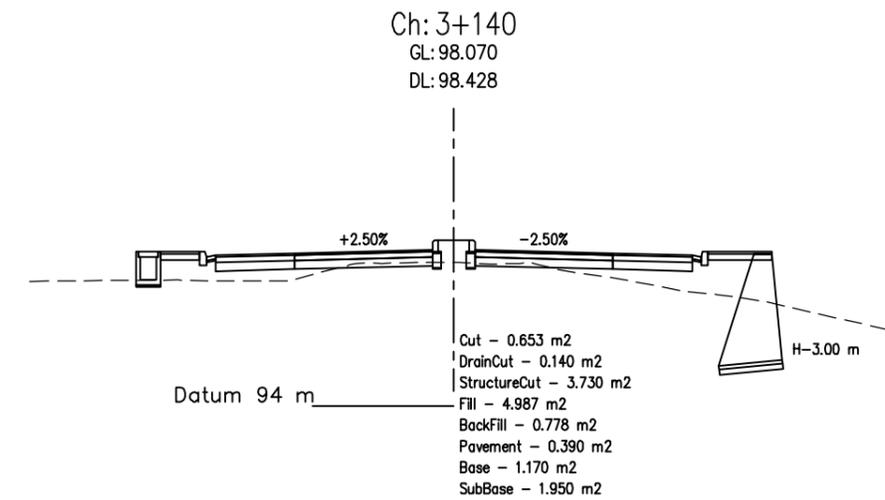
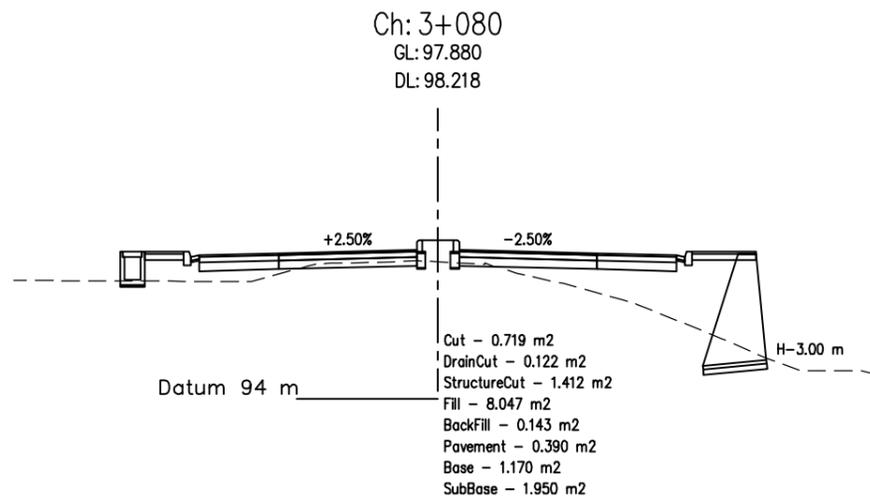
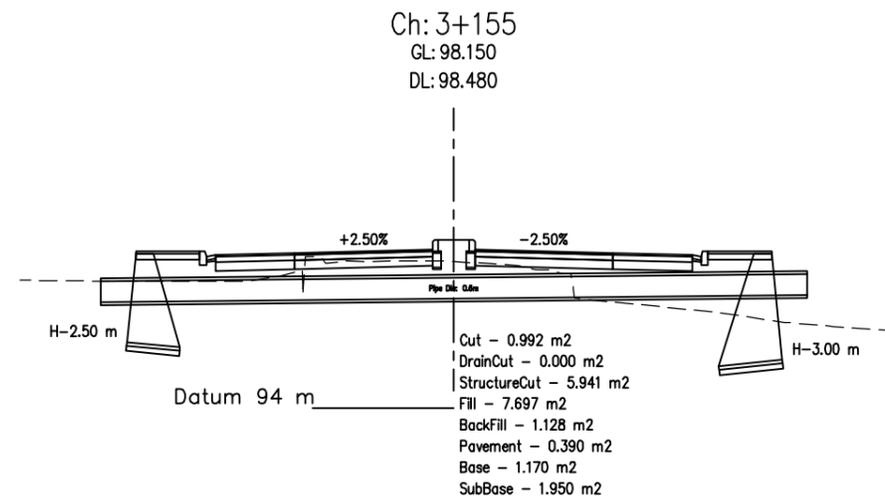
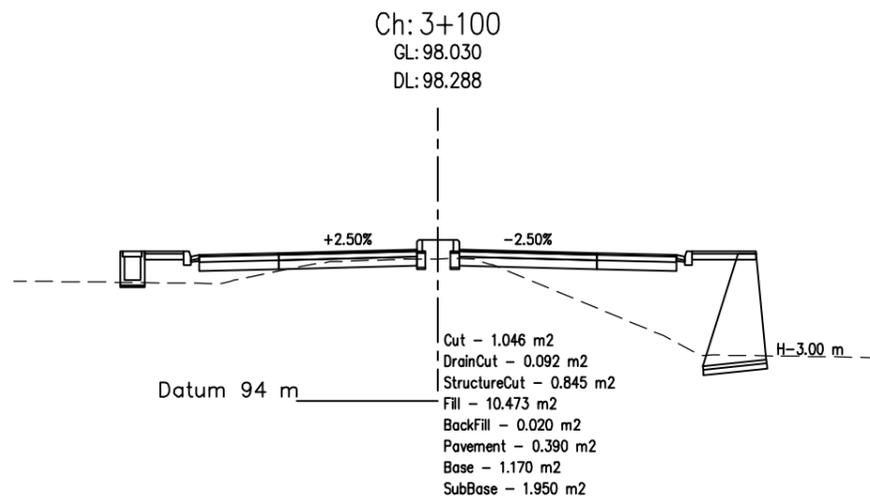
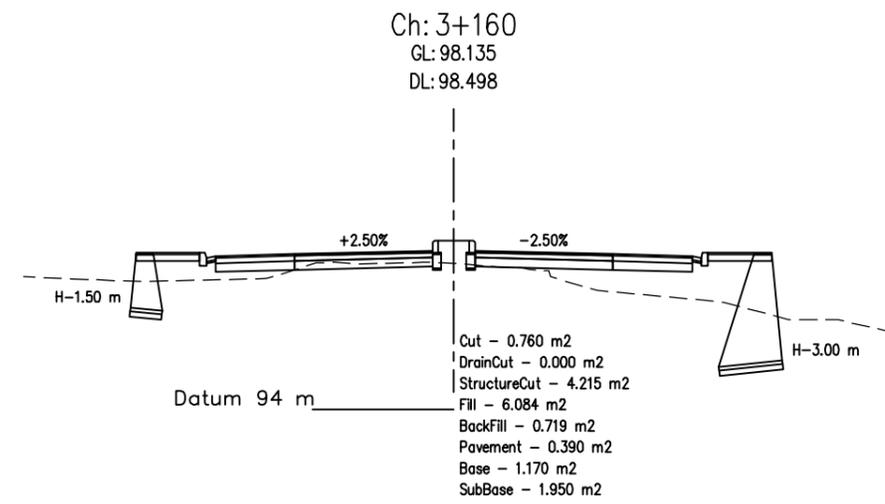
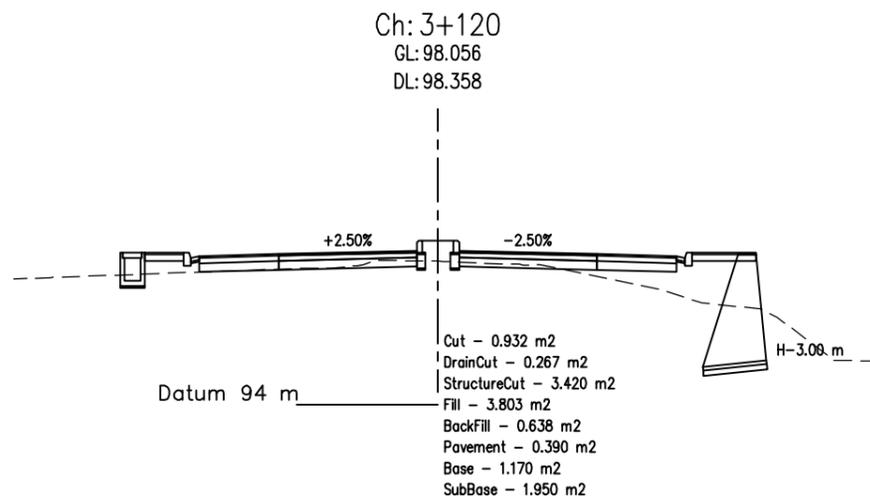
Client
Approved By :
Checked By :

Scale



Cross-Section
LUMBINI BUS TERMINAL ACCESS
ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/27
CHAINAGE : 2+960-3+060
SHEET NO : 27



Department of Urban Development & Building
Construction (DUDBC)
Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

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Mid- Baneshwor, Kathmandu
Tel: 01- 4589393

Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

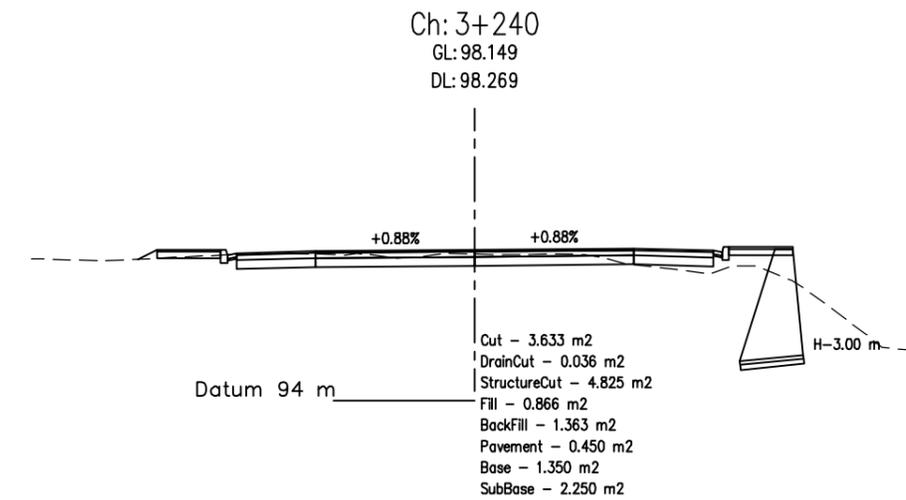
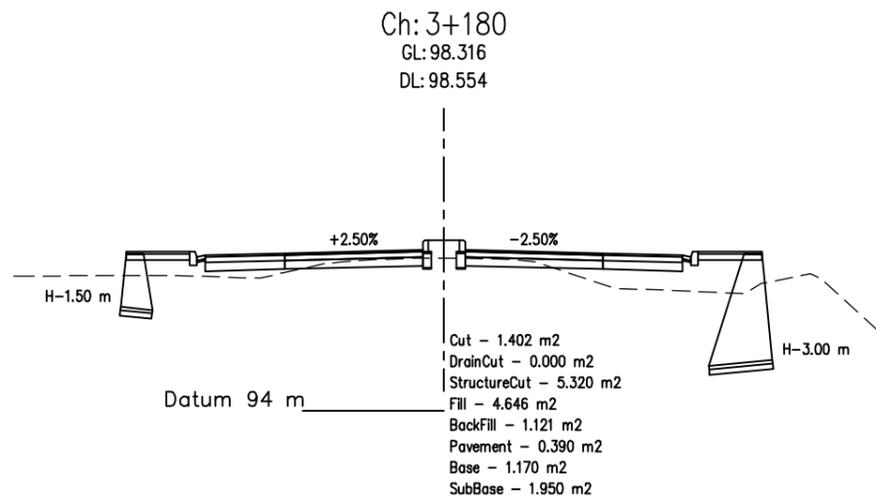
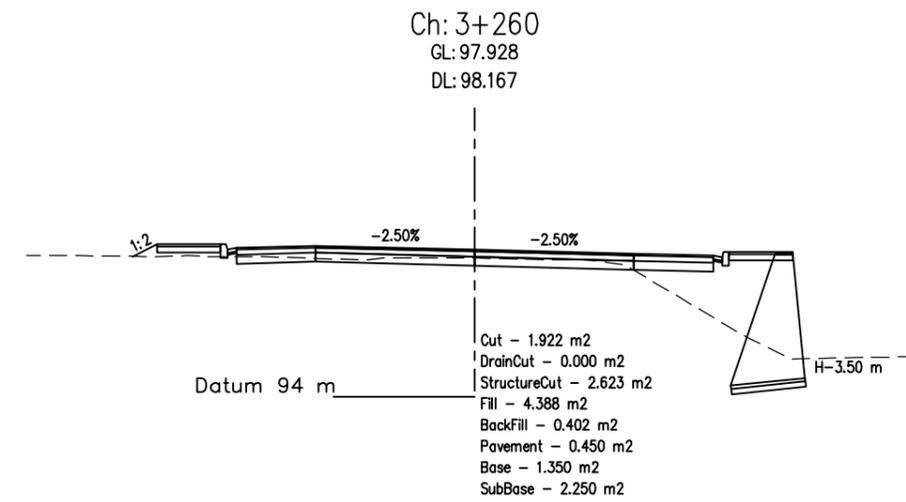
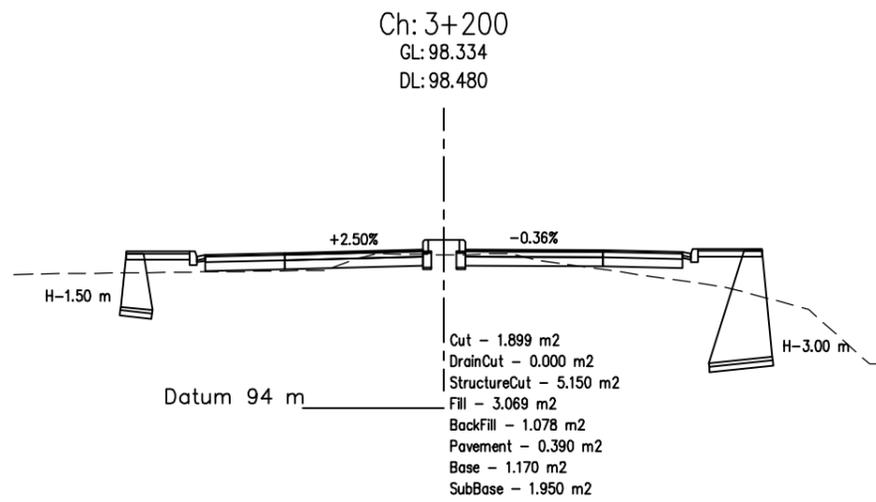
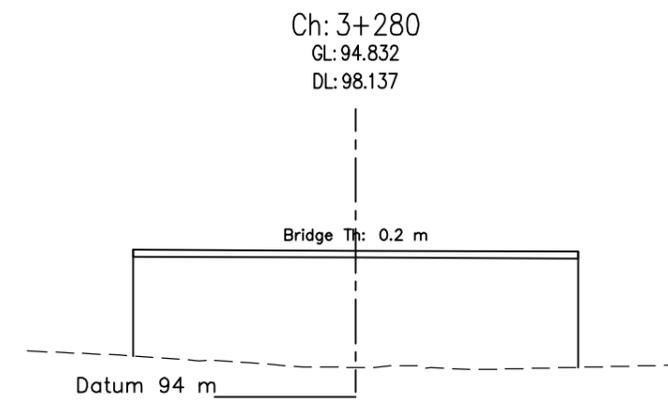
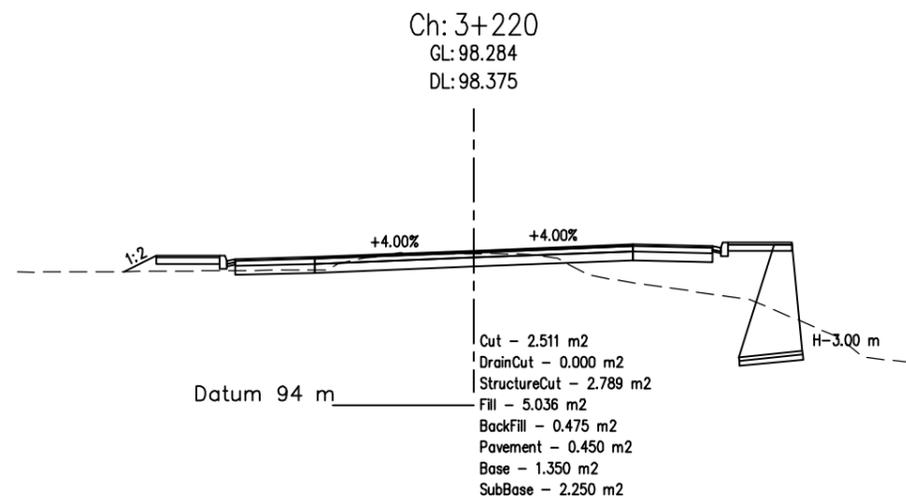
Client
Approved By :
Checked By :

Scale



Cross-Section
**LUMBINI BUS TERMINAL ACCESS
ROAD**
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/28
CHAINAGE : 3+080-3+160
SHEET NO : 28

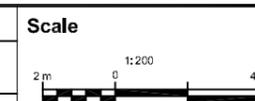


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Tel: 01-4589393

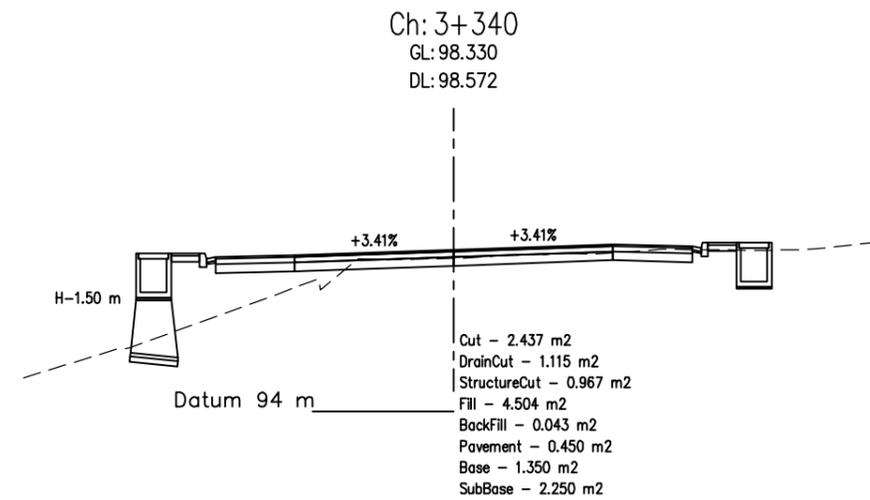
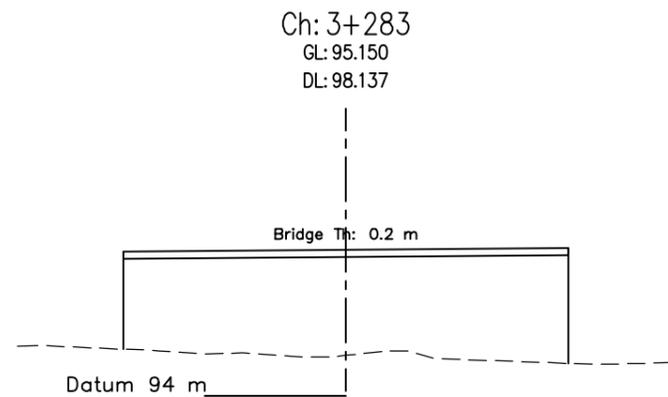
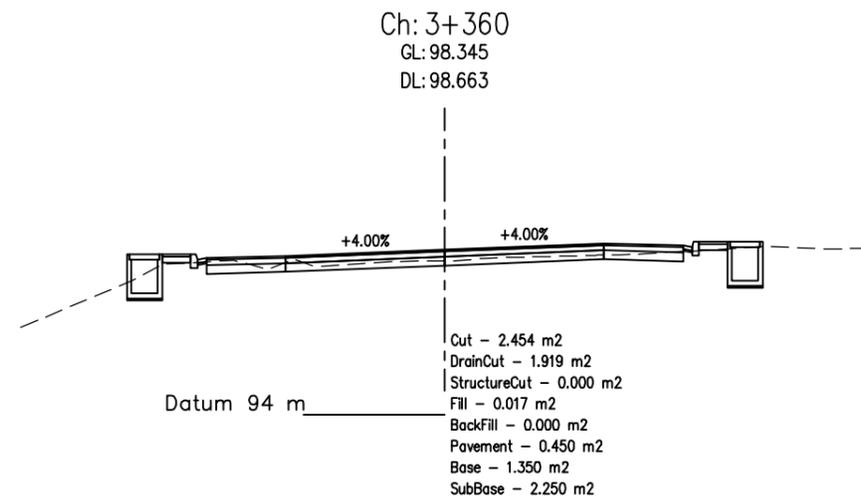
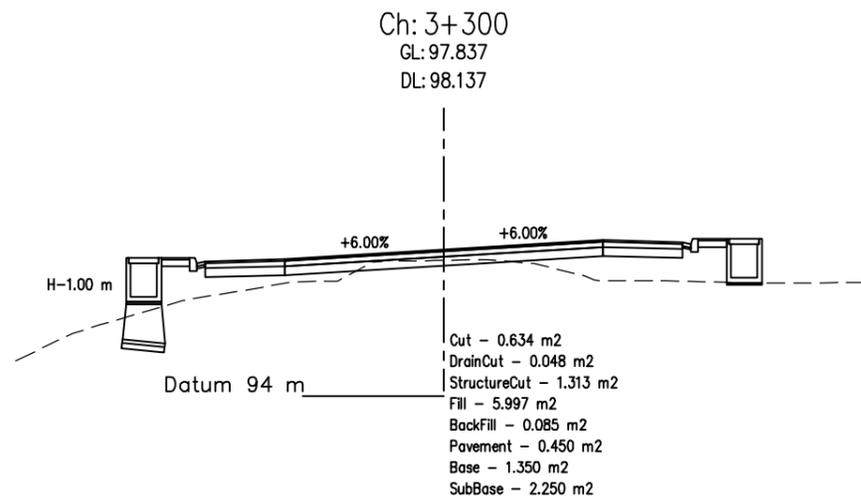
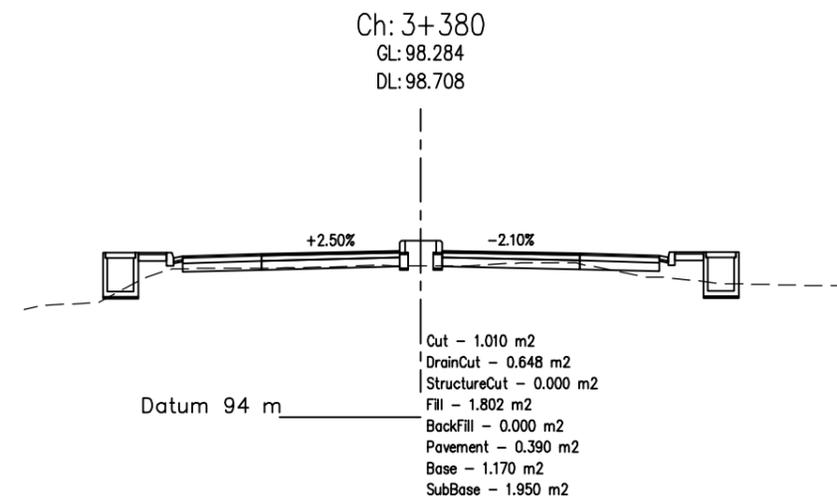
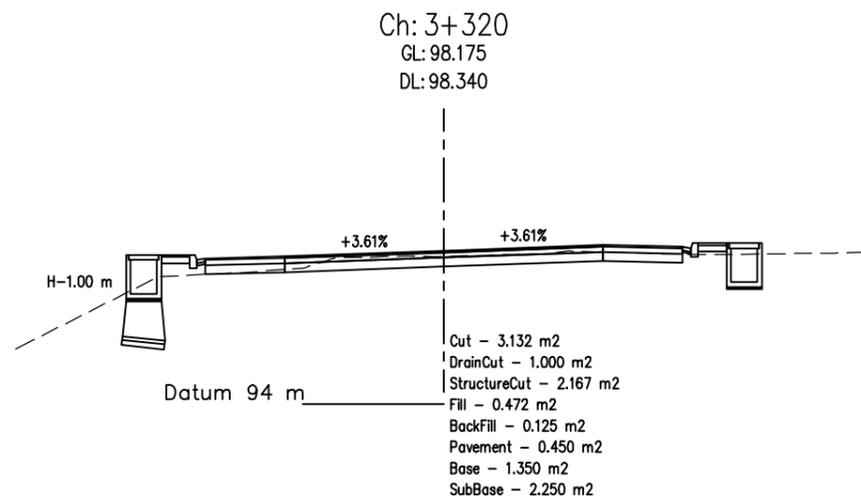
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
**LUMBINI BUS TERMINAL ACCESS
ROAD**
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/29
CHAINAGE : 3+180-3+280
SHEET NO : 29

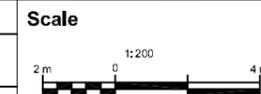


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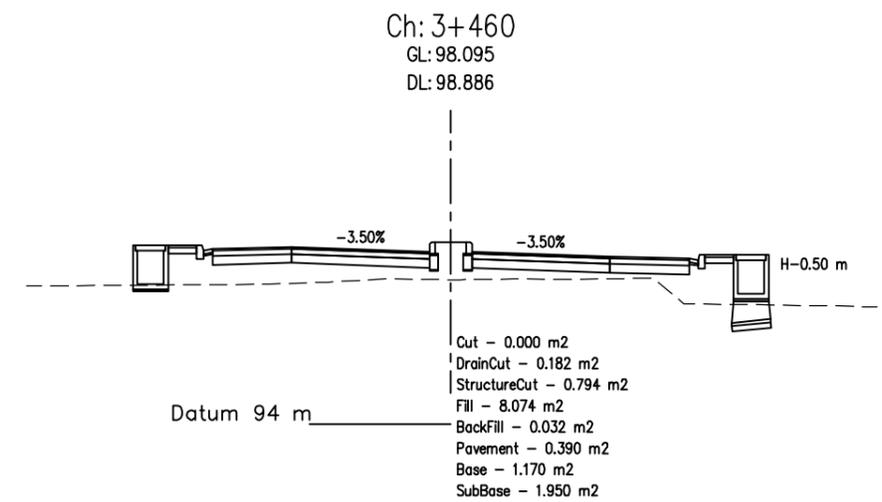
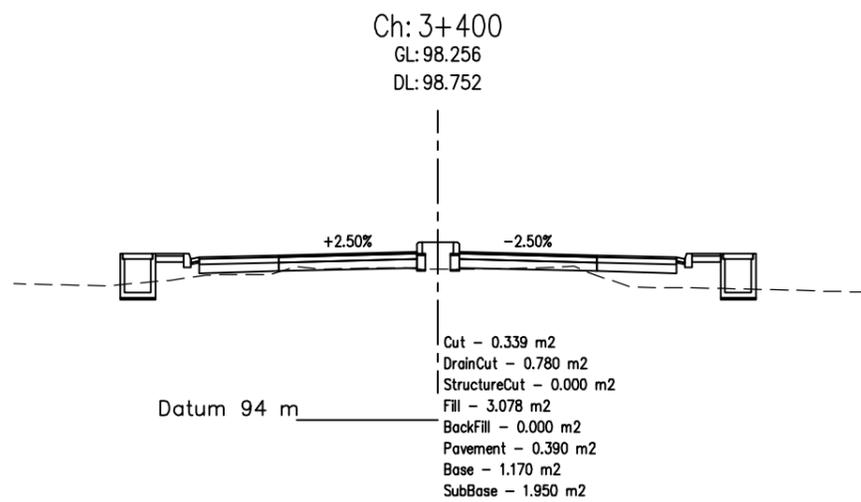
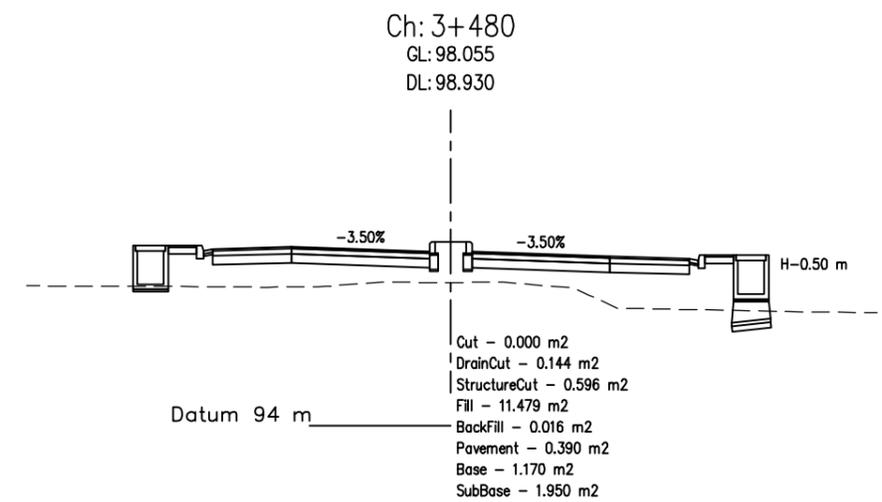
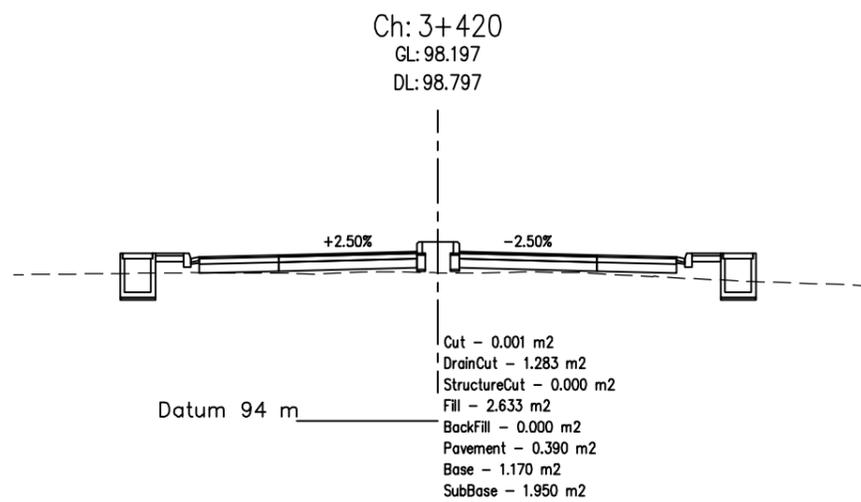
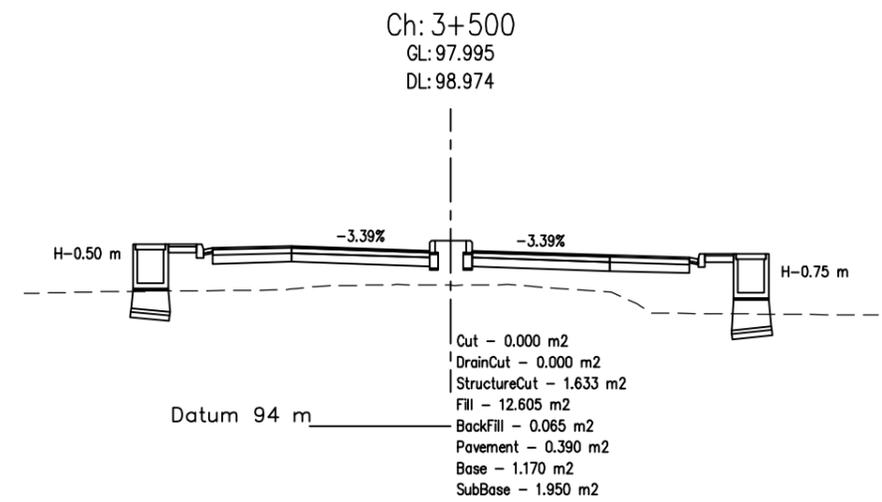
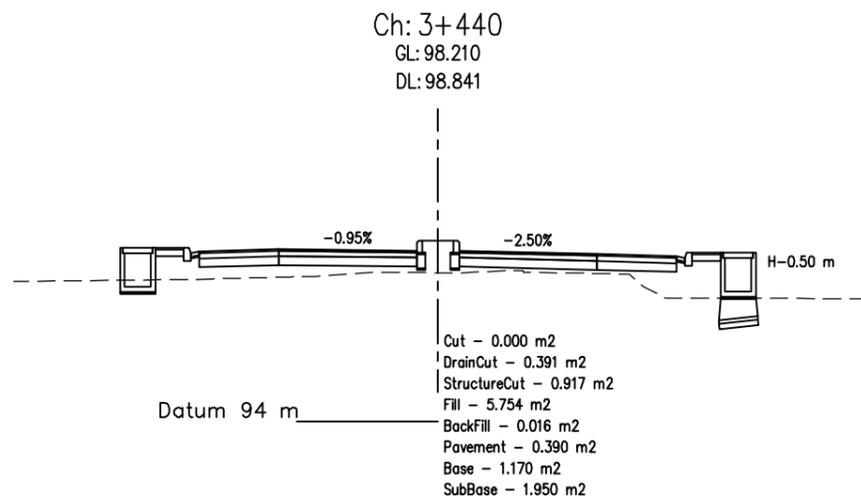
Consultant
Team Leader : YOO CHANGMIN
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Designed By : SABIN BAJRACHARYA

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Checked By :



Cross-Section
**LUMBINI BUS TERMINAL ACCESS
ROAD**
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/30
CHAINAGE : 3+283-3+380
SHEET NO : 30

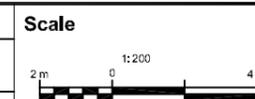


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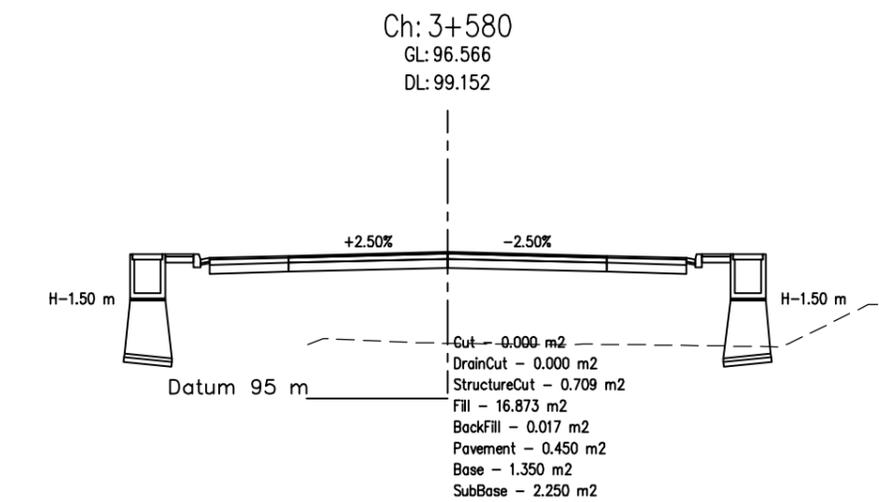
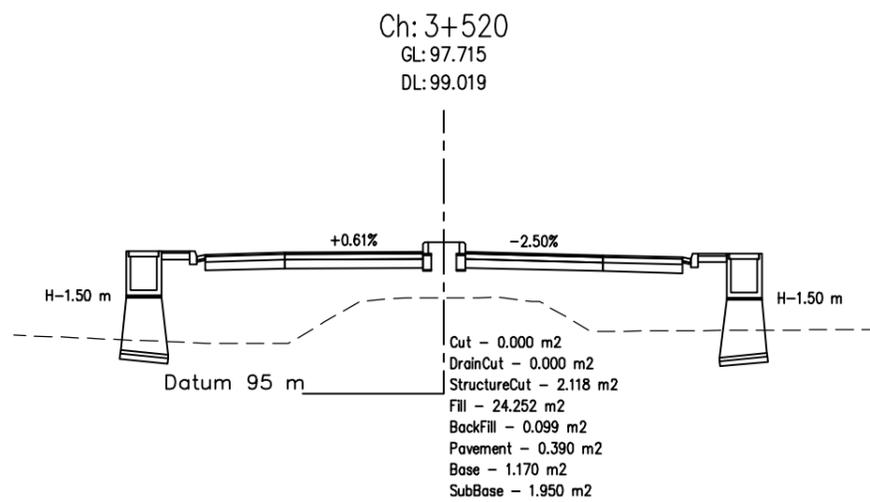
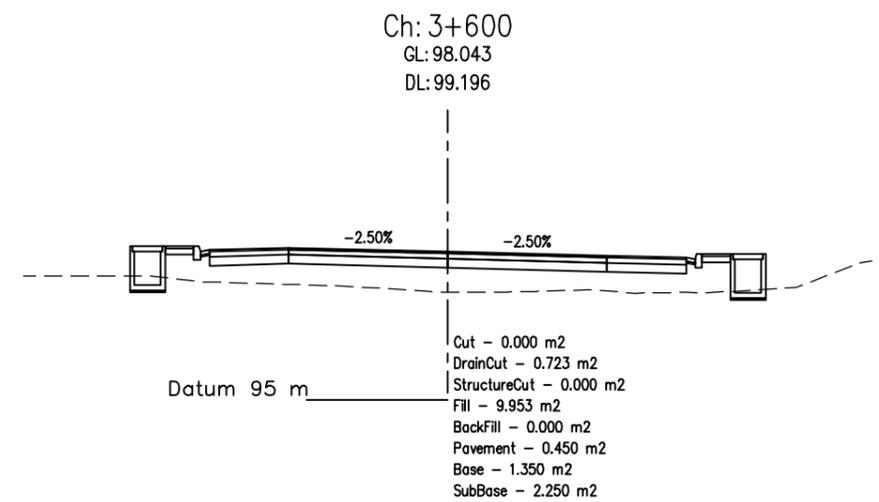
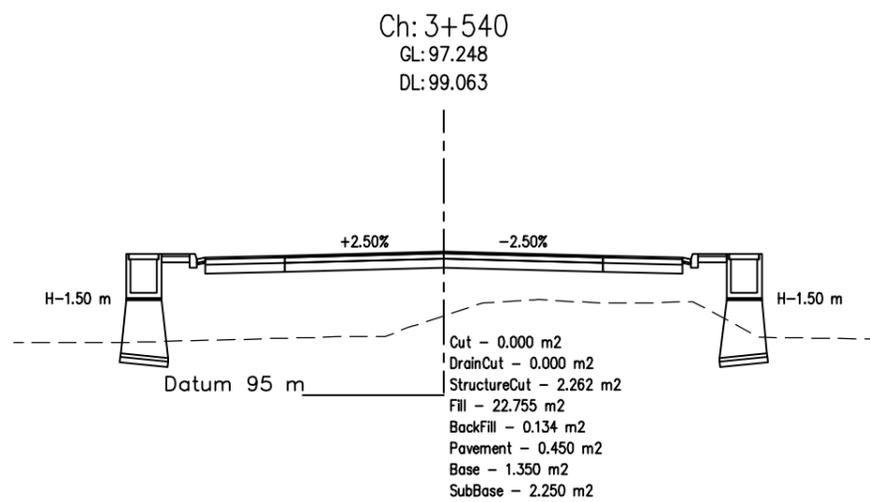
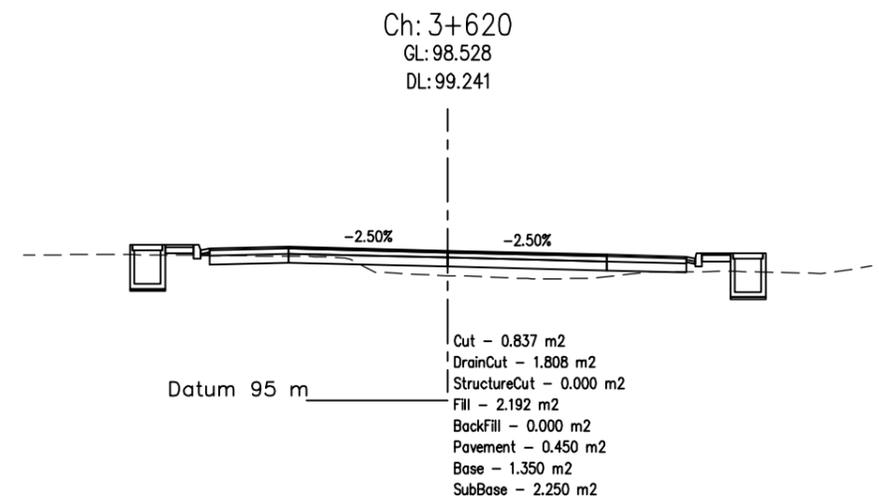
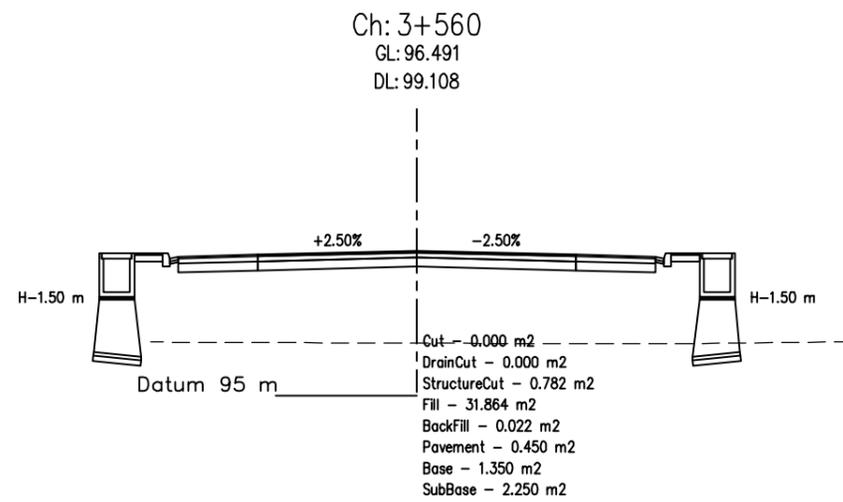
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/31
CHAINAGE : 3+400-3+500
SHEET NO : 31



Department of Urban Development & Building
Construction (DUDBC)
Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
DOHWA Engineering Co. Ltd.
in Association with
ERMIC (P.) Ltd., SILT Consultants (P.) Ltd., and
DIGICON (P.) Ltd.
Mid- Baneshwor, Kathmandu
Tel: 01- 4589393

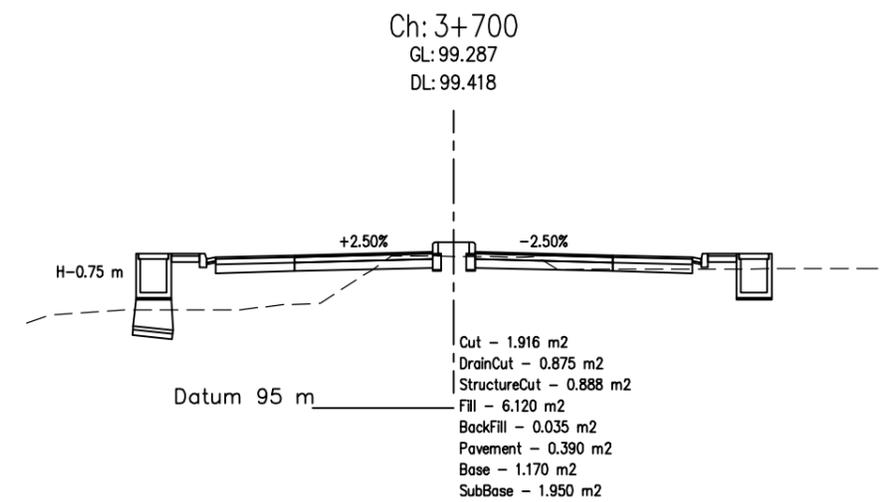
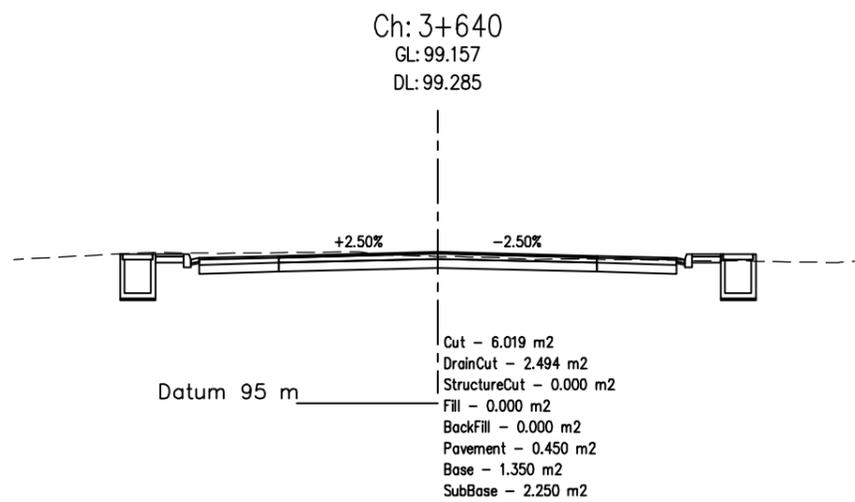
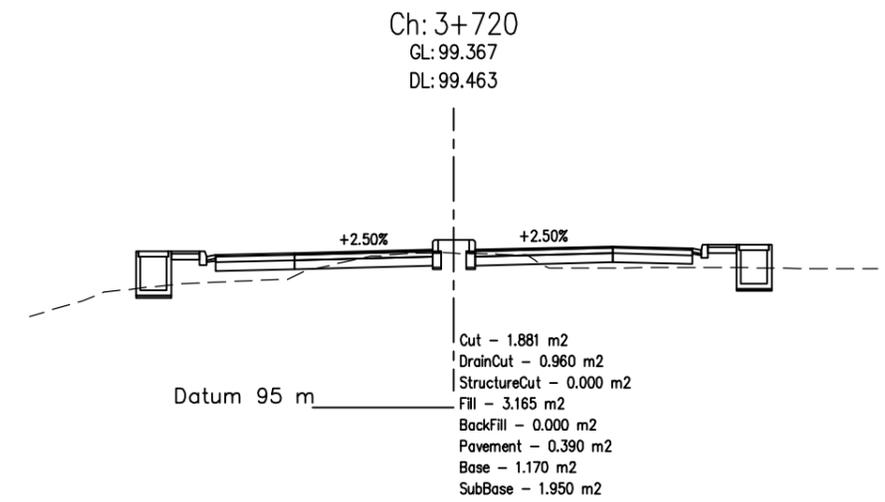
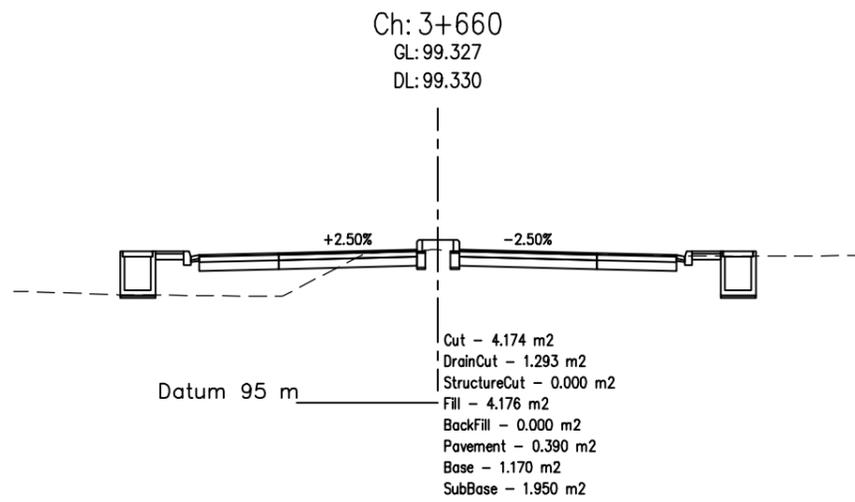
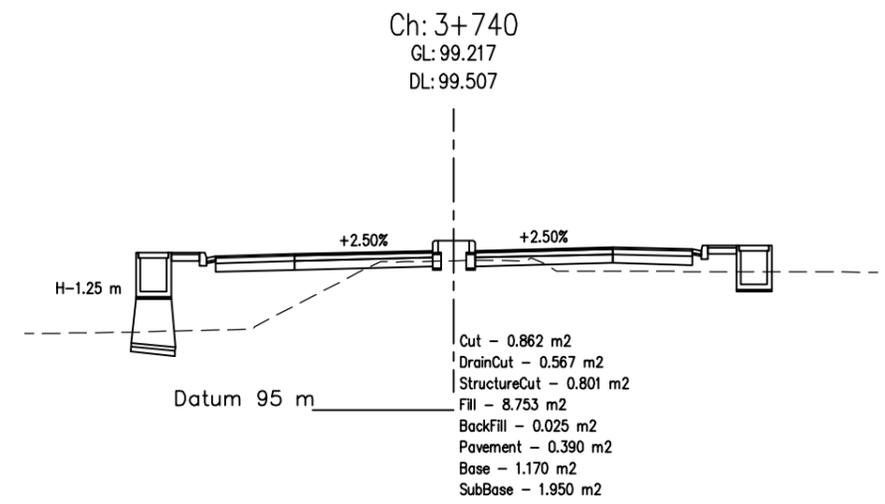
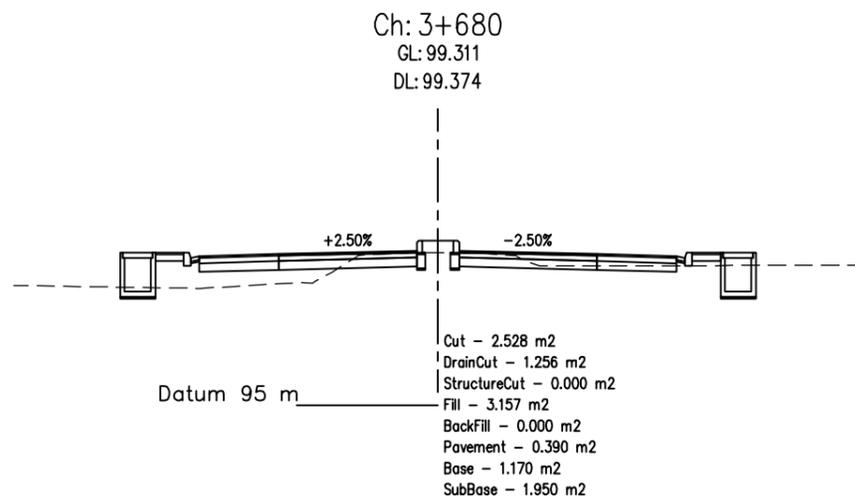
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/32
CHAINAGE : 3+520-3+620
SHEET NO : 32



Department of Urban Development & Building
Construction (DUDBC)
Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
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Tel: 01- 4589393

Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

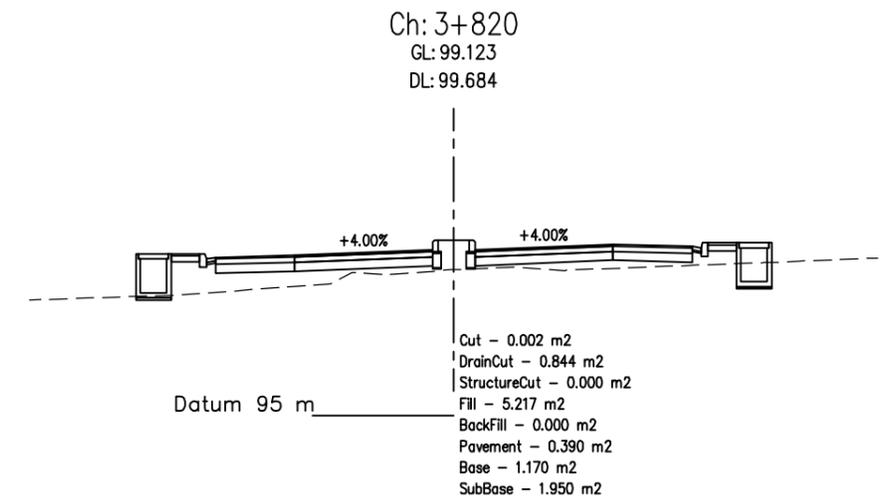
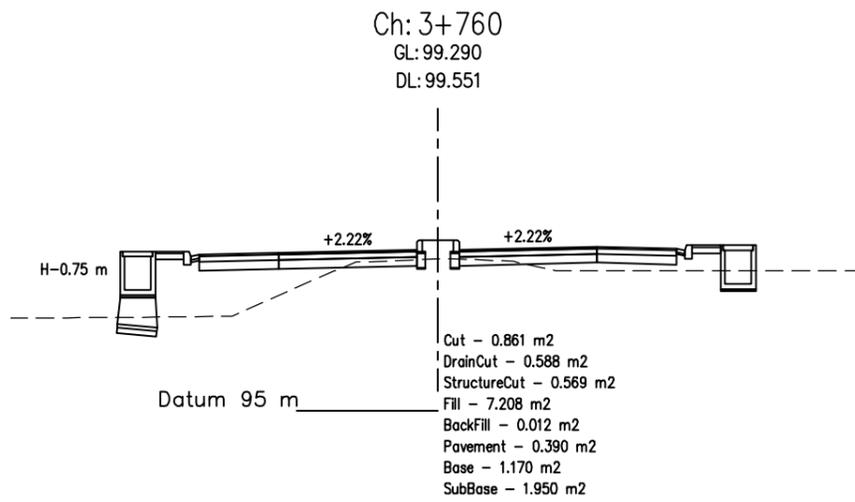
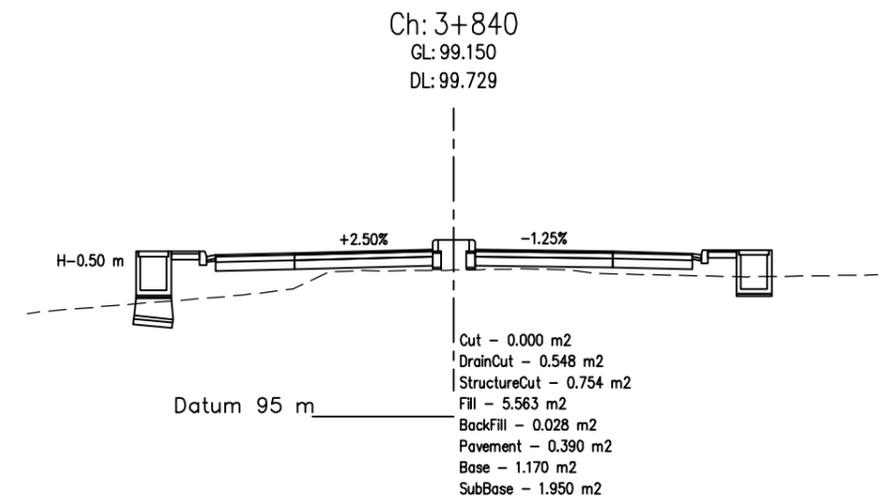
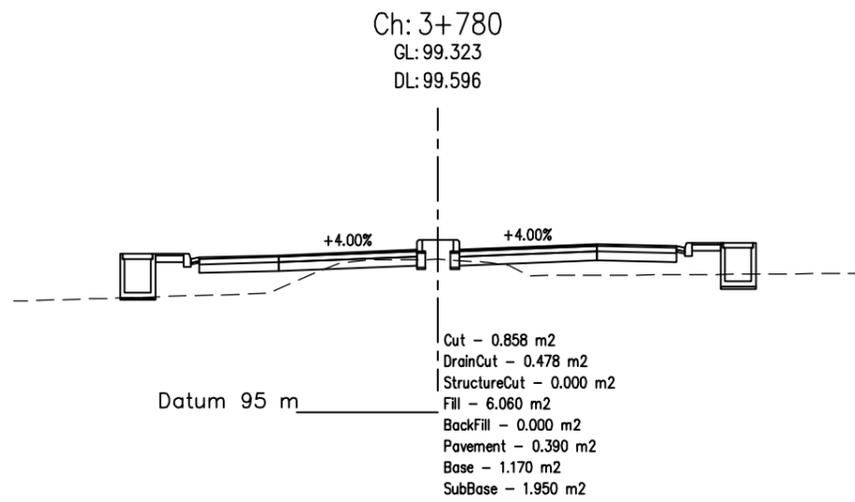
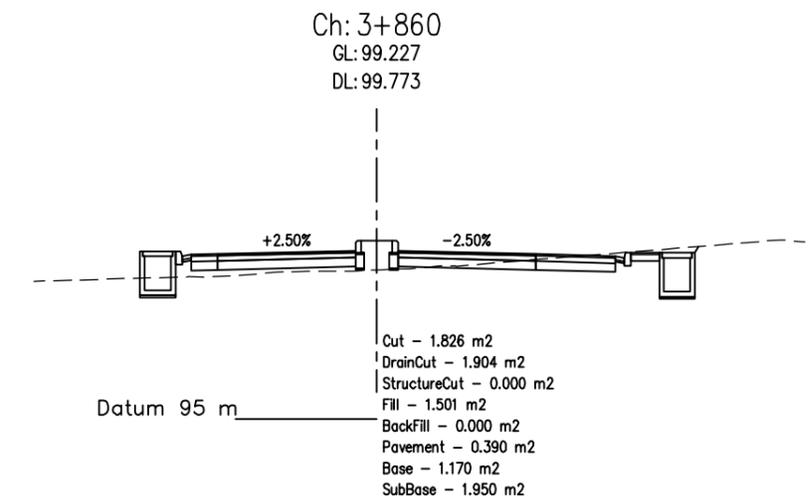
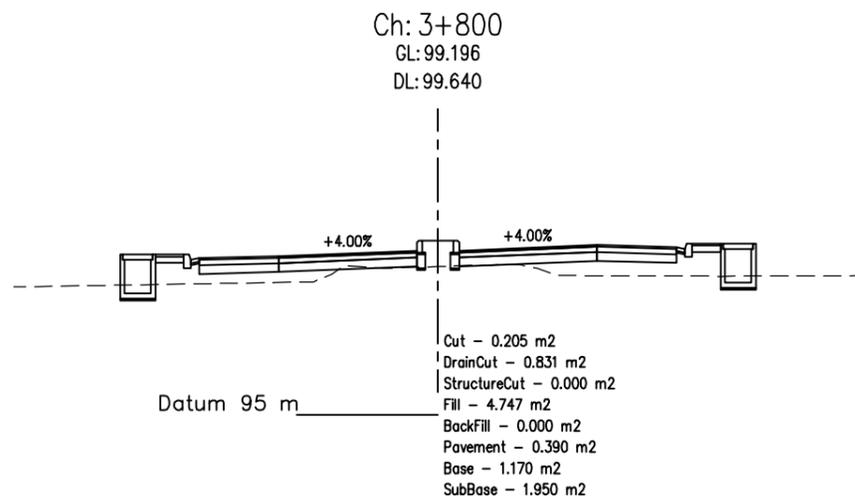
Client
Approved By :
Checked By :

Scale



Cross-Section
**LUMBINI BUS TERMINAL ACCESS
ROAD**
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/33
CHAINAGE : 3+640-3+740
SHEET NO : 33

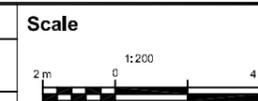


Department of Urban Development & Building
Construction (DUDBC)
Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
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Tel: 01- 4589393

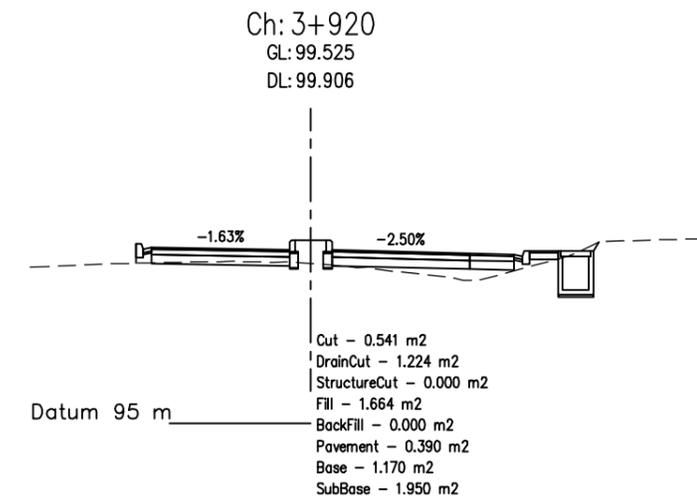
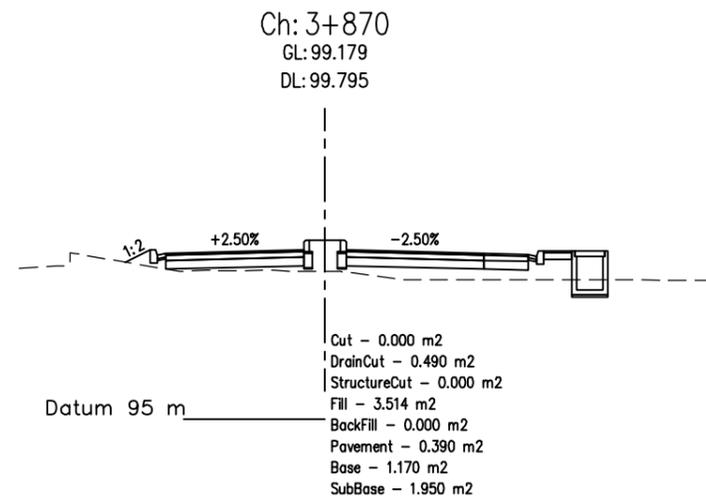
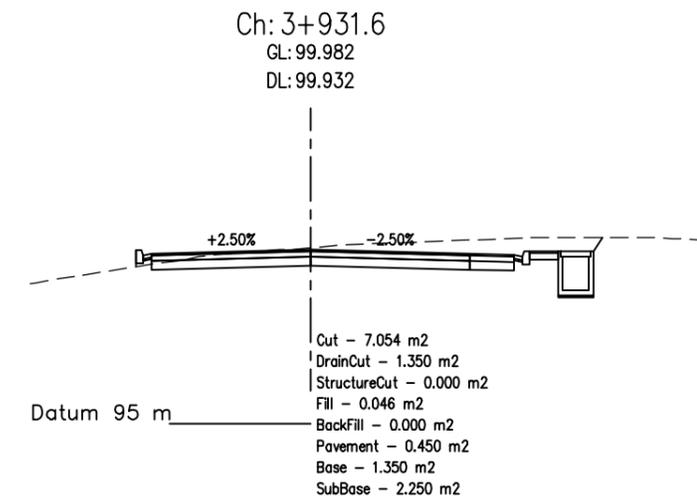
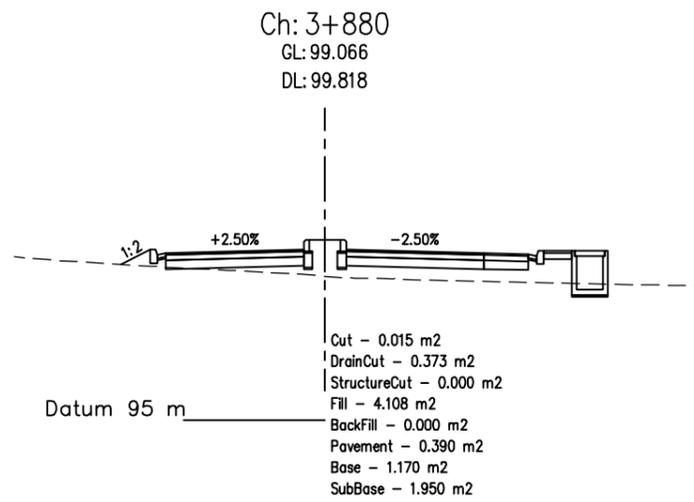
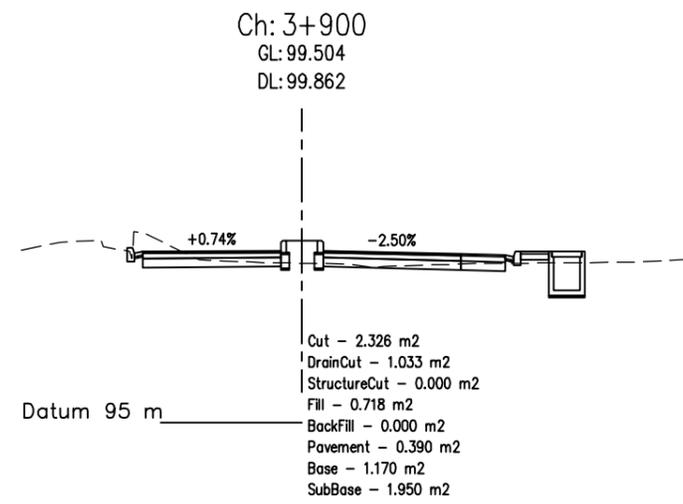
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :



Cross-Section
LUMBINI BUS TERMINAL ACCESS
ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/34
CHAINAGE : 3+760-3+860
SHEET NO : 34



Department of Urban Development & Building
Construction (DUDBC)
Regional Urban Development Project (RUDP)
West Urban Corridor (WUC) Development Project
Babarmahal, Kathmandu, Nepal

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Mid- Baneshwor, Kathmandu
Tel: 01- 4589393

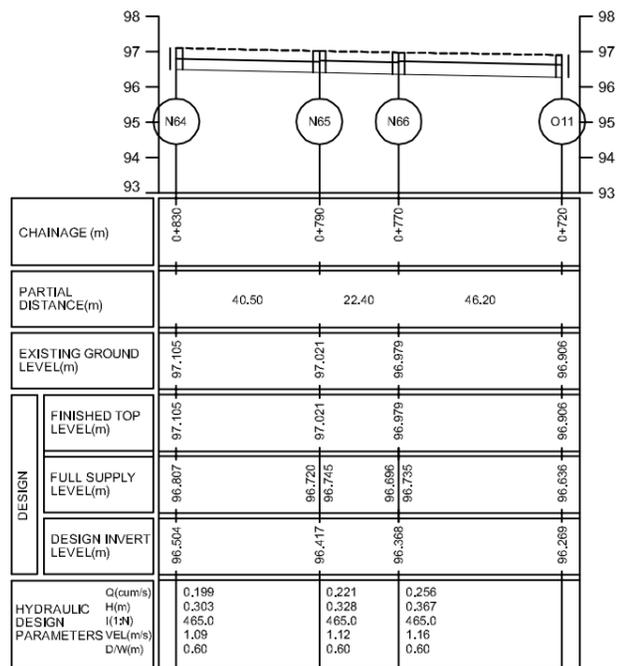
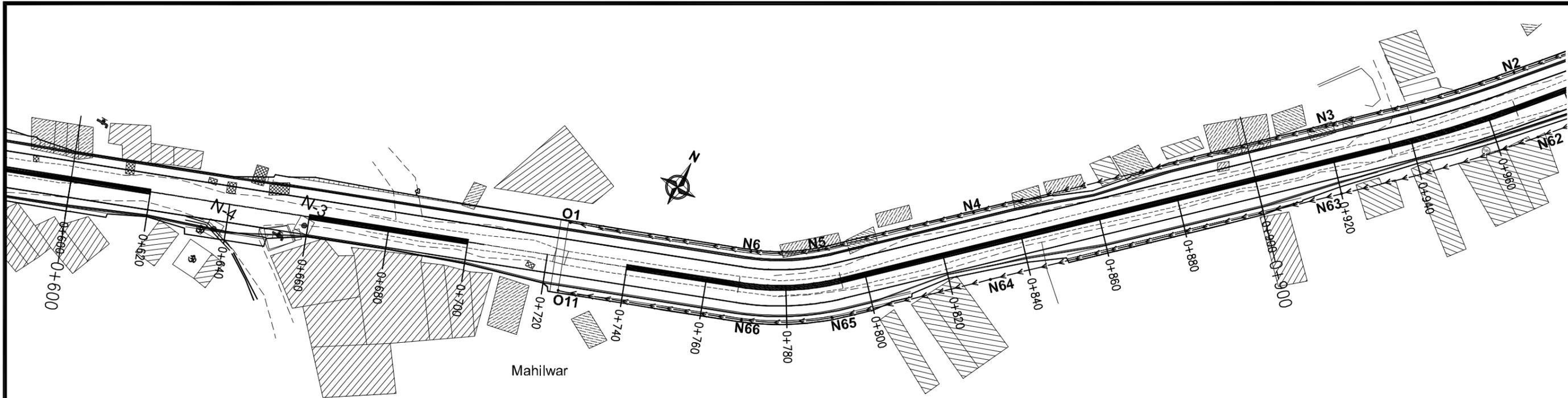
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : SABIN BAJRACHARYA

Client
Approved By :
Checked By :

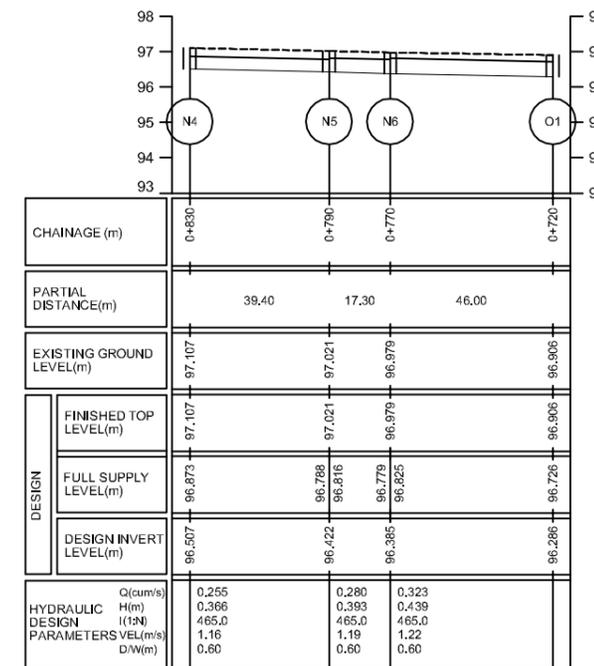


Cross-Section
LUMBINI BUS TERMINAL ACCESS
ROAD
CH 0+000 - 3+931.603Km

REV : DEC 2024
DRG NO : LSM/RD/CS/35
CHAINAGE : 3+870-3+931.6
SHEET NO : 35



BRANCH NUMBER: N61-O11



BRANCH NUMBER: N1-O1

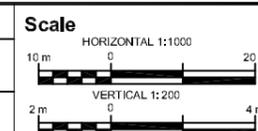


Department of Urban Development & Building Construction (DUDBC)
Regional Urban Development Project (RUDP)
 West Urban Corridor (WUC) Development Project
 Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
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 In Association with
ERM (P.) Ltd., SILT Consultants (P.) Ltd., and DIGICON (P.) Ltd.
 Mid- Baneshwor, Kathmandu
 Tel: 01-4589393

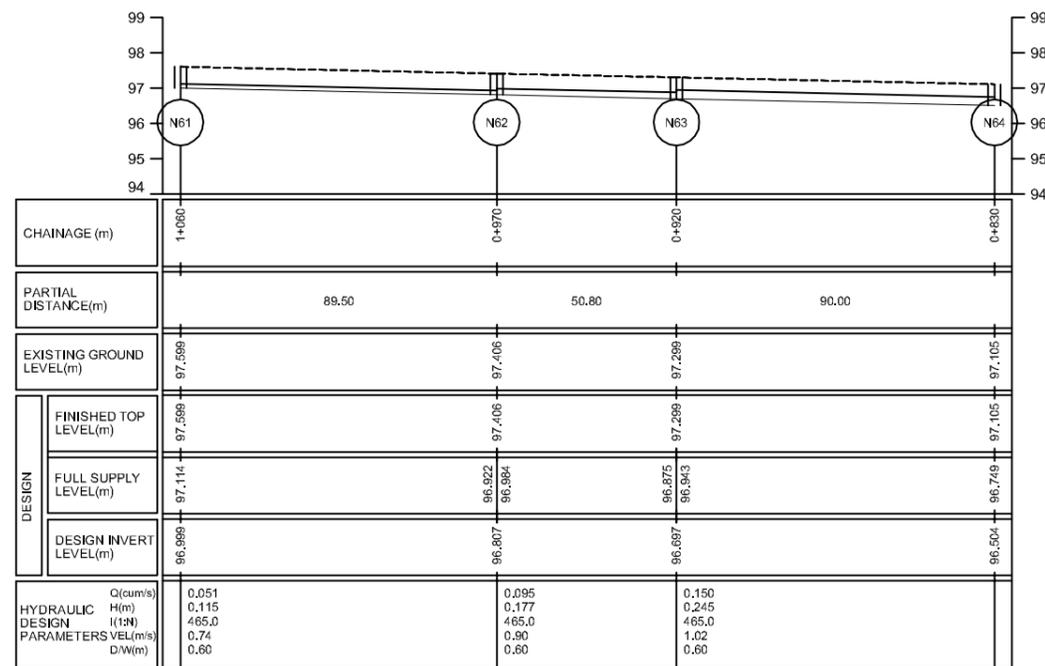
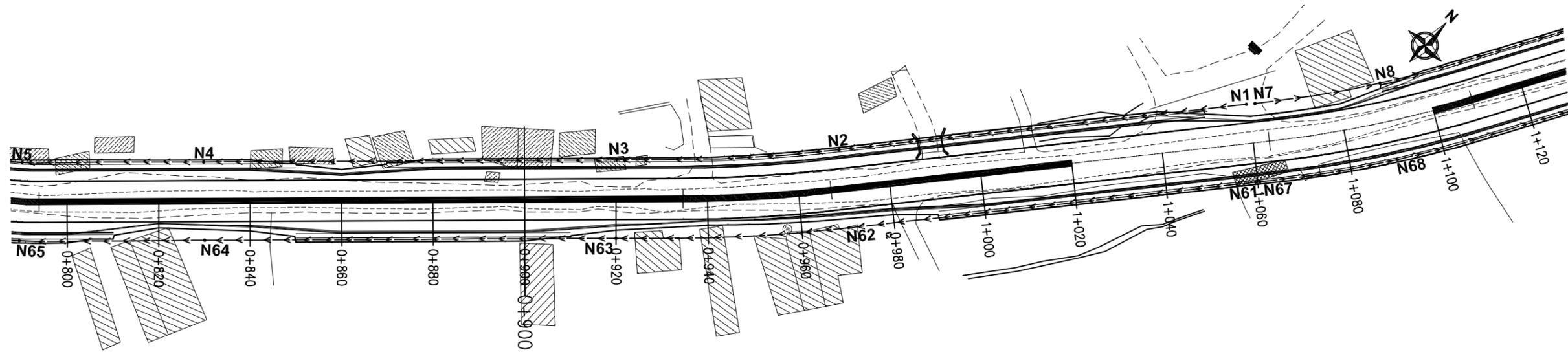
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : ROCKY KRISHNA TANDUKAR

Client
Approved By :
Checked By :

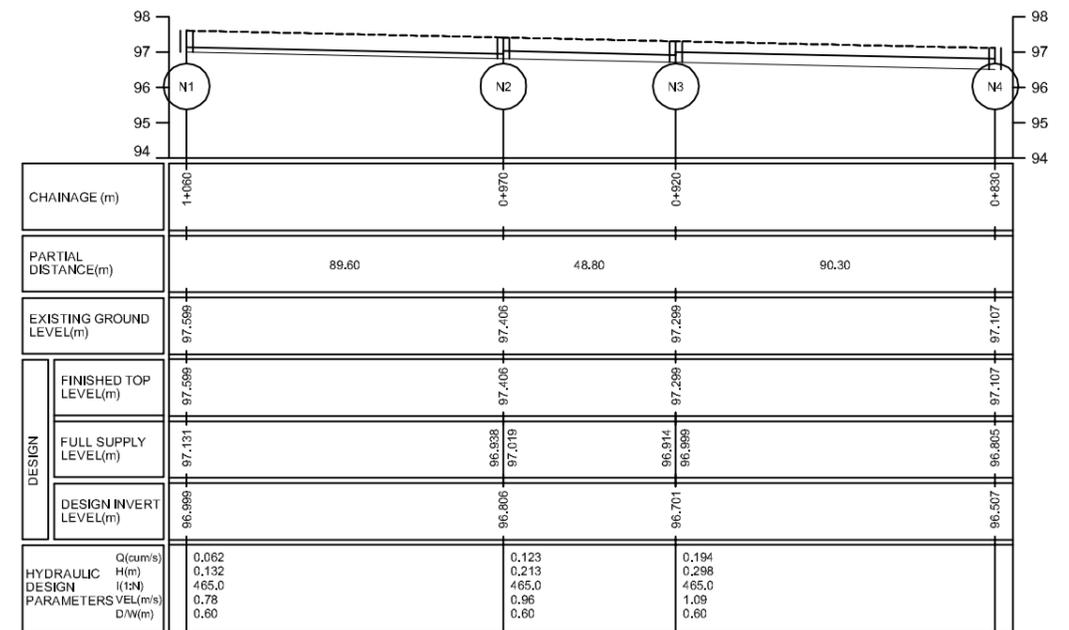


Drain Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/DD/PP/01
CHAINAGE : 0+720 to 0+830
SHEET NO : 01/14



BRANCH NUMBER: N61-O11



BRANCH NUMBER: N1-O1

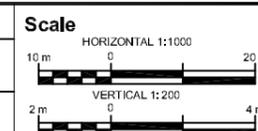


Department of Urban Development & Building Construction (DUBBC)
Regional Urban Development Project (RUDP)
 West Urban Corridor (WUC) Development Project
 Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
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 In Association with
 ERM (P.) Ltd., SILT Consultants (P.) Ltd., and
 DIGICON (P.) Ltd.
 Mid- Baneshwor, Kathmandu
 Tel: 01-4589393

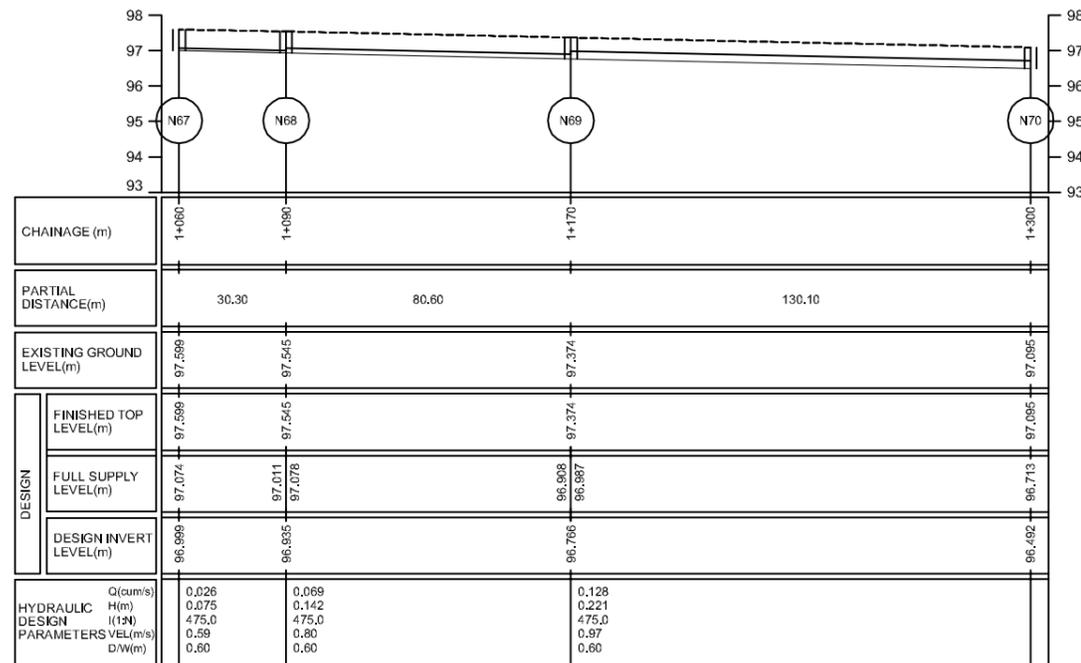
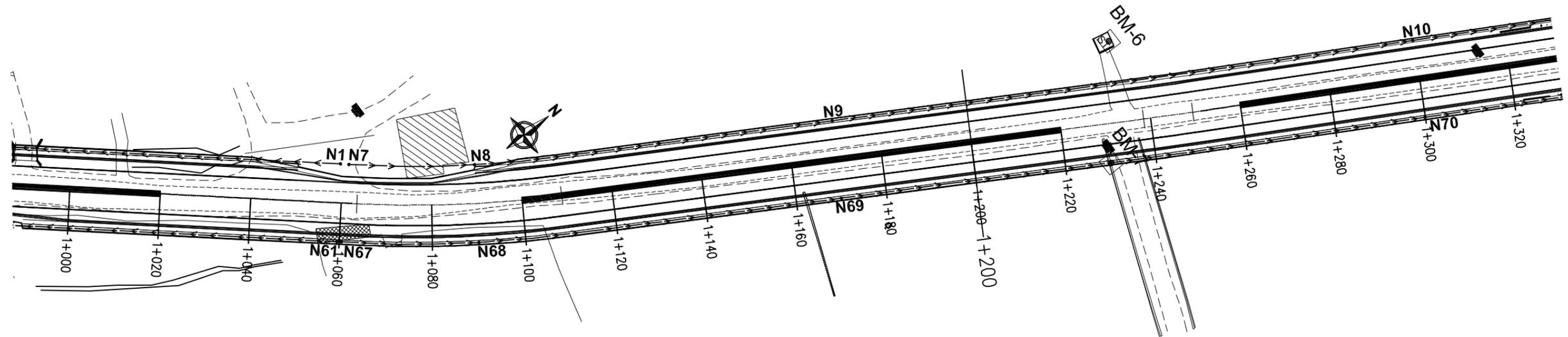
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : ROCKY KRISHNA TANDUKAR

Client
Approved By :
Checked By :

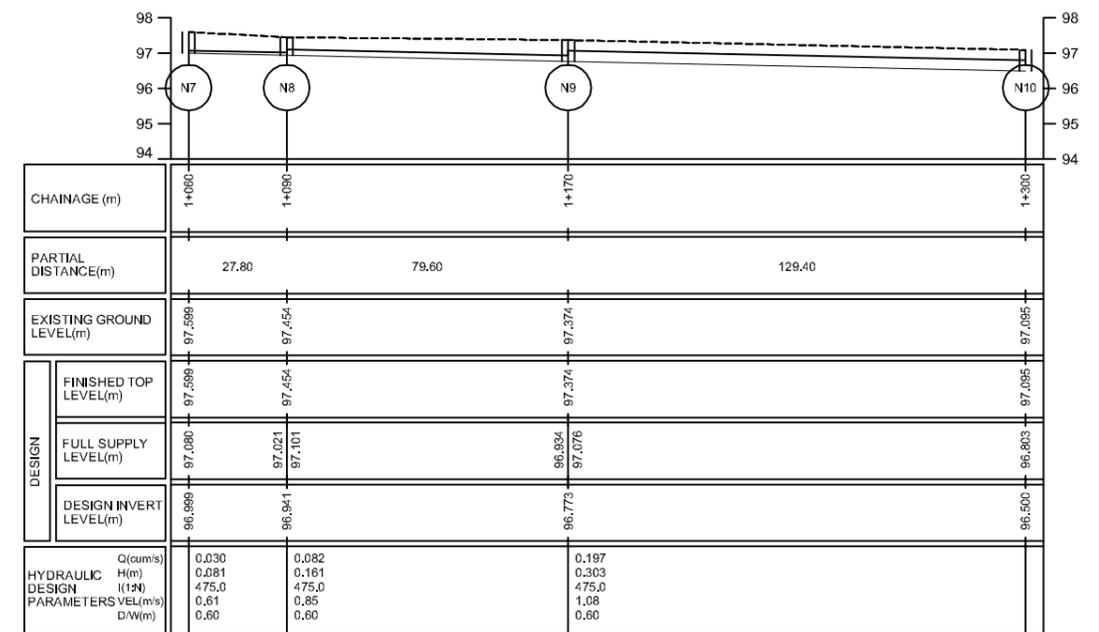


Drain Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/DD/PP/02
CHAINAGE : 0+830 to 1+060
SHEET NO : 02/14



BRANCH NUMBER: N67-O12



BRANCH NUMBER: N7-O2

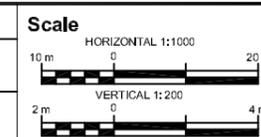


Department of Urban Development & Building Construction (DUDBC)
Regional Urban Development Project (RUDP)
 West Urban Corridor (WUC) Development Project
 Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
 DOHWA Engineering Co. Ltd.
 In Association with
 ERM (P.) Ltd., SILT Consultants (P.) Ltd., and
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 Tel: 01-4589393

Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : ROCKY KRISHNA TANDUKAR

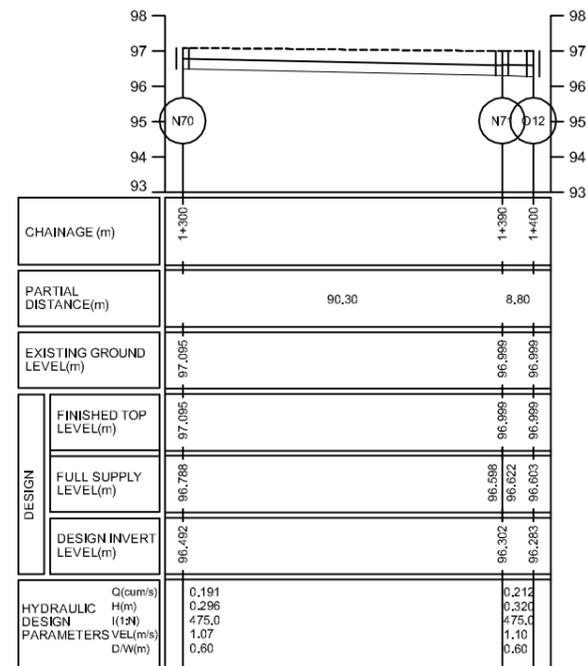
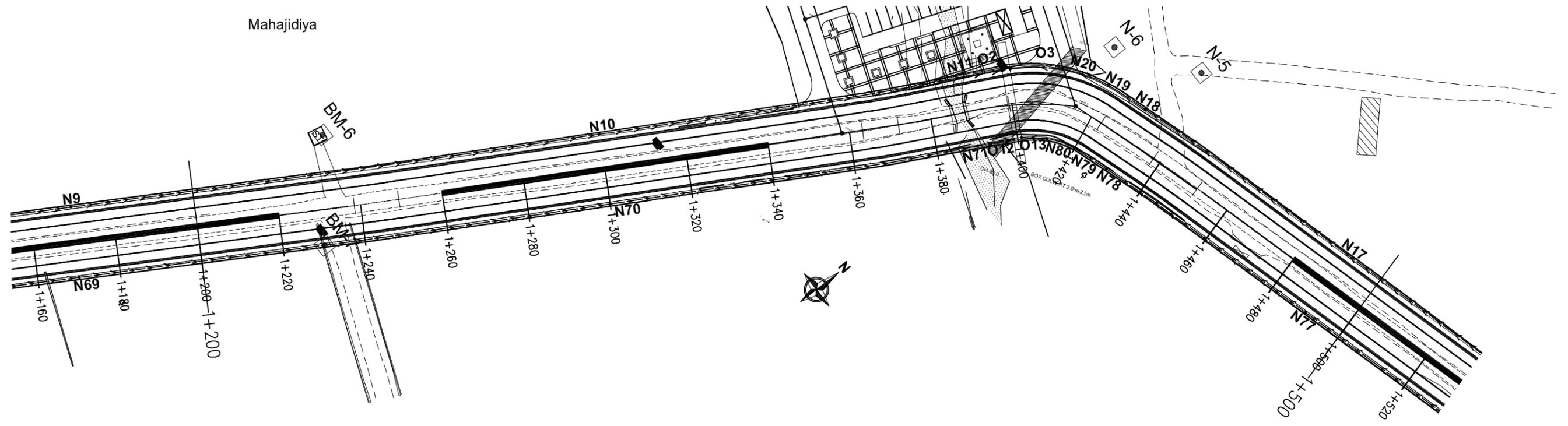
Client
Approved By :
Checked By :



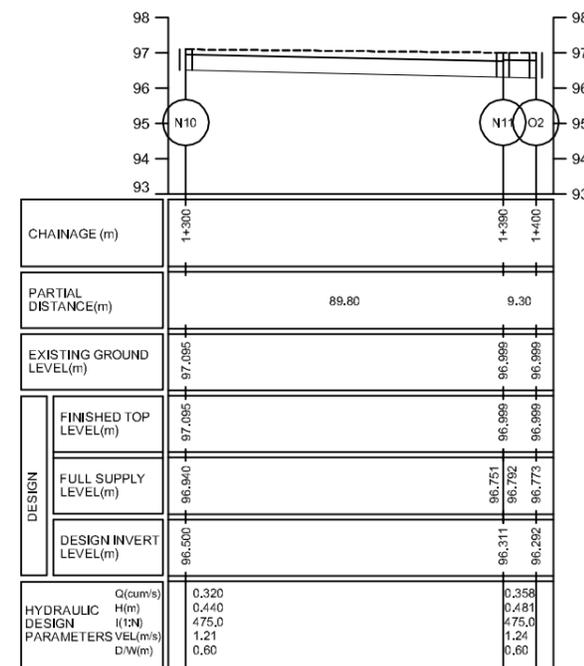
Drain Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/DD/PP/03
CHAINAGE : 1+060 to 1+300
SHEET NO : 03/14

Mahajidiya



BRANCH NUMBER: N67-O12



BRANCH NUMBER: N7-O2

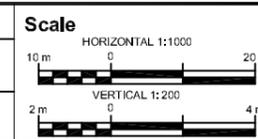


Department of Urban Development & Building Construction (DUDBC)
Regional Urban Development Project (RUDP)
 West Urban Corridor (WUC) Development Project
 Babarmahal, Kathmandu, Nepal

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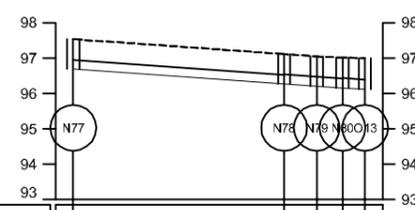
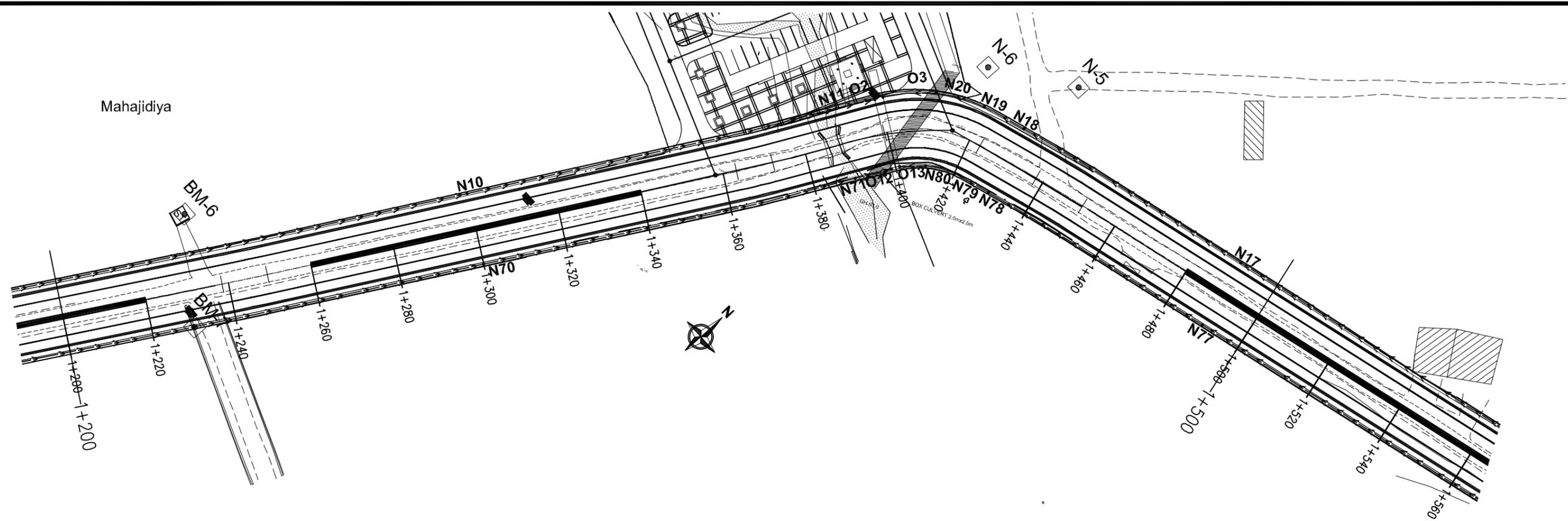
Consultant
 Team Leader : YOO CHANGMIN
 Reviewed By : YAGYA BAHADUR MALLA
 Designed By : ROCKY KRISHNA TANDUKAR

Client
 Approved By :
 Checked By :



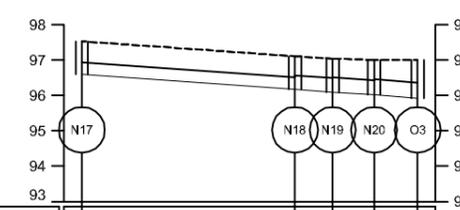
Drain Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

REV : DEC 2024
 DRG NO : LSM/DD/PP/04
 CHAINAGE : 1+300 to 1+400
 SHEET NO : 04/14



CHAINAGE (m)	1+490	1+430	1+420	1+410	1+400
PARTIAL DISTANCE(m)		59.60	9.20	7.30	6.30
EXISTING GROUND LEVEL(m)	97.531	97.112	97.045	97.006	96.989
DESIGN	FINISHED TOP LEVEL(m)	97.531	97.112	97.045	97.006
	FULL SUPPLY LEVEL(m)	96.948	96.528	96.475	96.426
	DESIGN INVERT LEVEL(m)	96.680	96.270	96.205	96.153
HYDRAULIC DESIGN PARAMETERS	Q(cum/s) H(m) I(‰) VEL(m/s) D(W)(m)	0.198 0.258 142.0 1.73 0.45	0.210 0.270 142.0 1.73 0.45	0.219 0.278 142.0 1.74 0.45	0.217 0.277 142.0 1.74 0.45

BRANCH NUMBER: N72-O13



CHAINAGE (m)	1+490	1+430	1+420	1+410	1+400
PARTIAL DISTANCE(m)		60.30	10.70	11.80	12.30
EXISTING GROUND LEVEL(m)	97.531	97.112	97.045	97.006	96.989
DESIGN	FINISHED TOP LEVEL(m)	97.531	97.112	97.045	97.006
	FULL SUPPLY LEVEL(m)	96.942	96.517	96.490	96.435
	DESIGN INVERT LEVEL(m)	96.588	96.174	96.088	96.016
HYDRAULIC DESIGN PARAMETERS	Q(cum/s) H(m) I(‰) VEL(m/s) D(W)(m)	0.286 0.343 142.0 1.85 0.45	0.336 0.391 142.0 1.91 0.45	0.366 0.419 142.0 1.94 0.45	0.390 0.441 142.0 1.96 0.45

BRANCH NUMBER: N12-O3

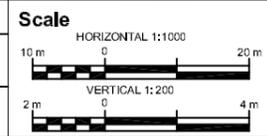


Department of Urban Development & Building Construction (DUDBC)
Regional Urban Development Project (RUDP)
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 Babarmahal, Kathmandu, Nepal

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 Tel: 01-4589393

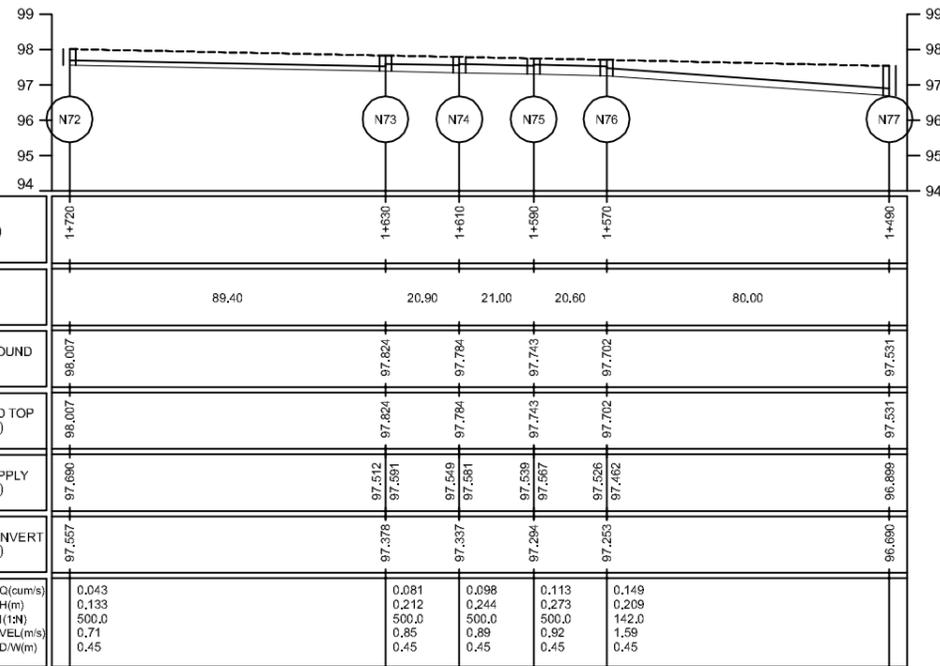
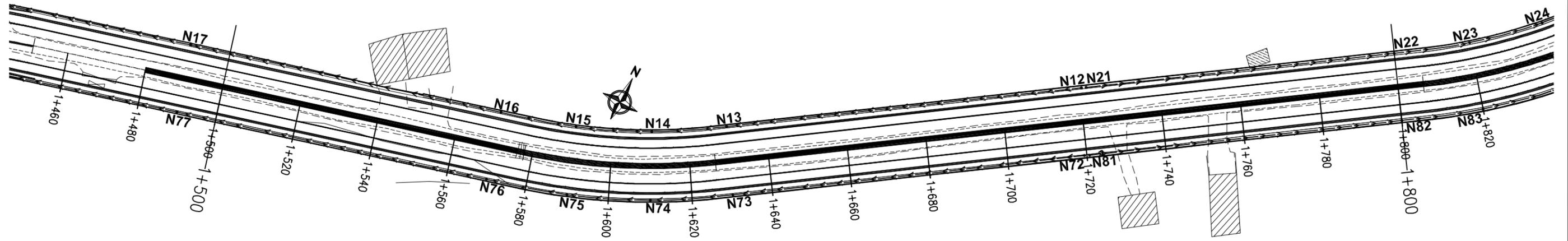
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : ROCKY KRISHNA TANDUKAR

Client
Approved By :
Checked By :

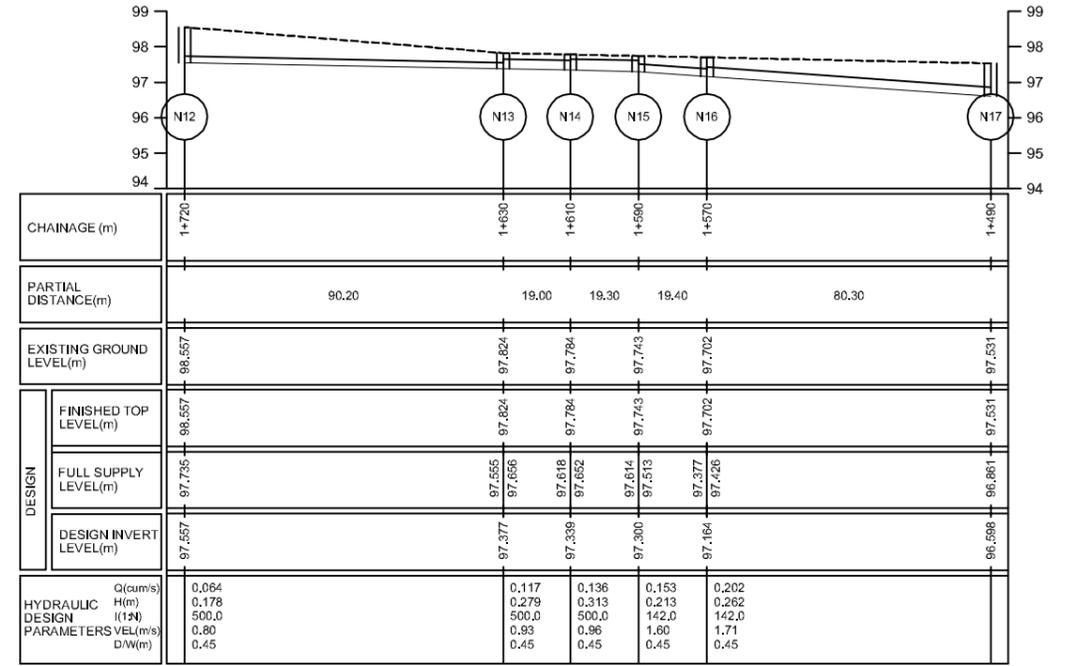


Drain Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/DD/PP/05
CHAINAGE : 1+400 to 1+490
SHEET NO : 05/14



BRANCH NUMBER: N72-O13



BRANCH NUMBER: N12-O3

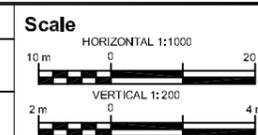


Department of Urban Development & Building Construction (DUBC)
Regional Urban Development Project (RUDP)
 West Urban Corridor (WUC) Development Project
 Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
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 Mid- Baneshwor, Kathmandu
 Tel: 01-4589393

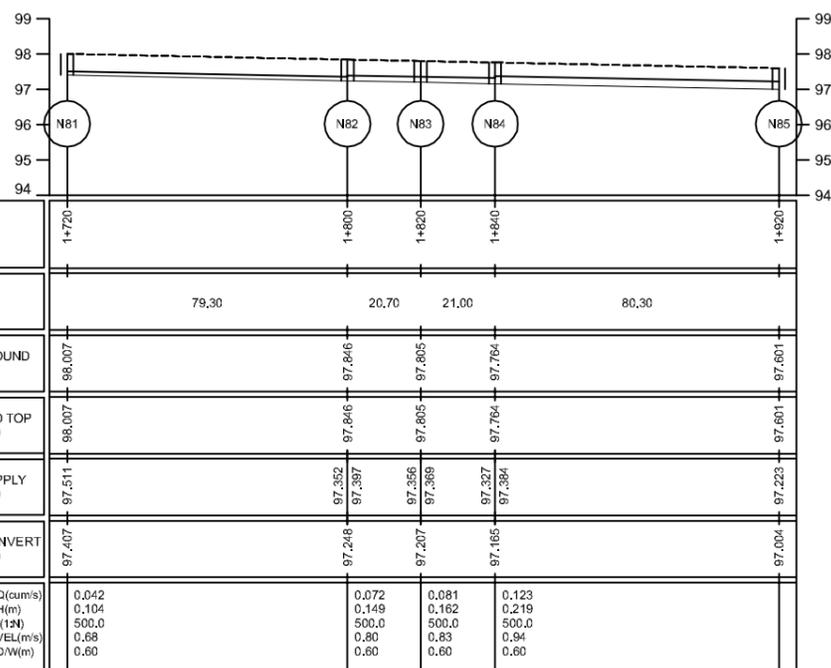
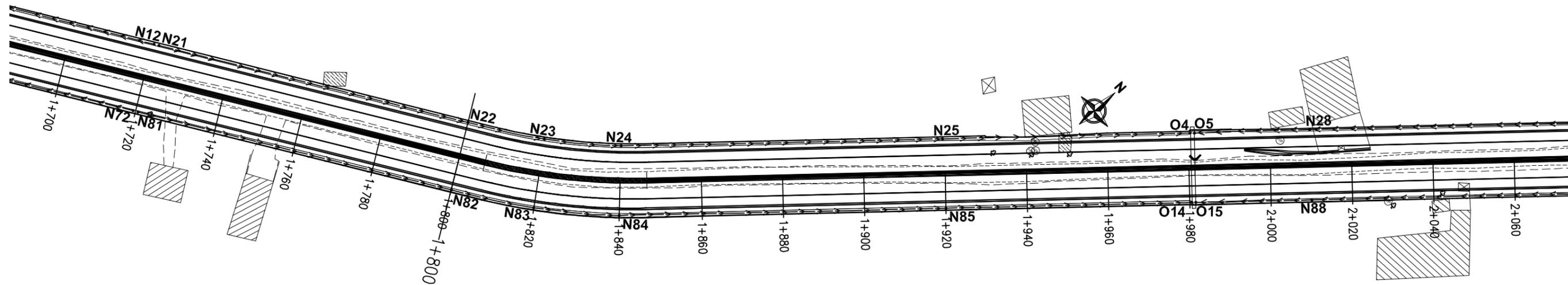
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : ROCKY KRISHNA TANDUKAR

Client
Approved By :
Checked By :

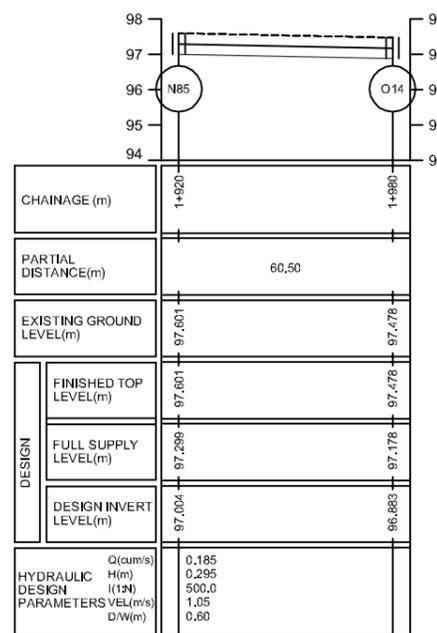


Drain Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

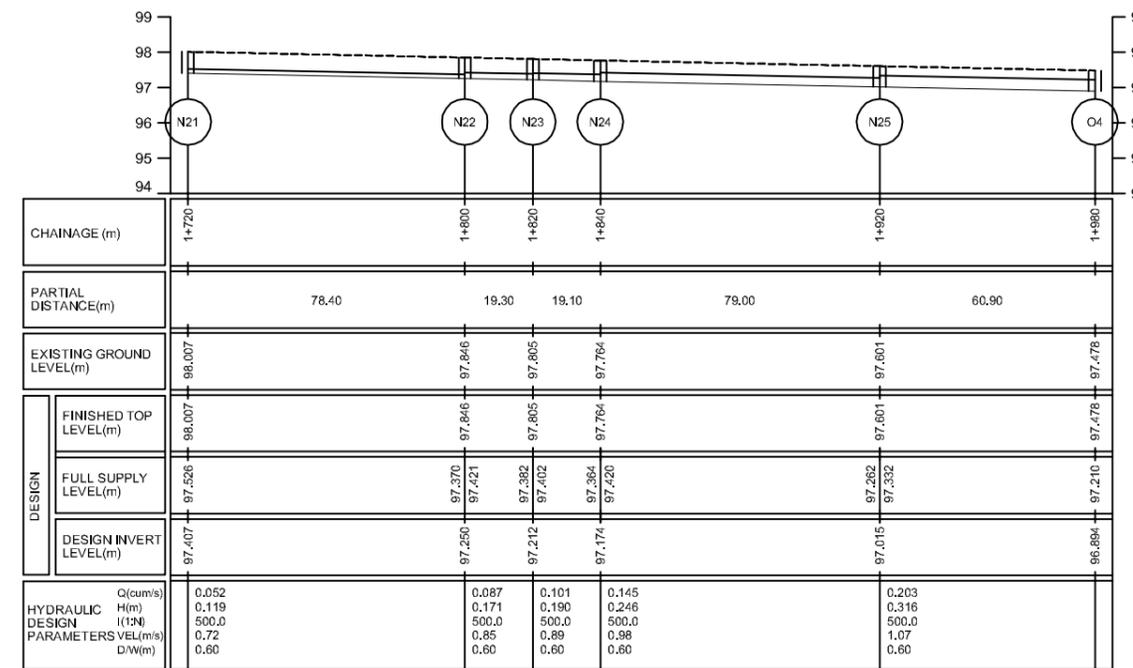
REV : DEC 2024
DRG NO : LSM/DD/PP/06
CHAINAGE : 1+490 to 1+720
SHEET NO : 06/14



BRANCH NUMBER: N81-O14



BRANCH NUMBER: N81-O14



BRANCH NUMBER: N21-O4

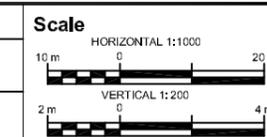


Department of Urban Development & Building Construction (DUDBC)
Regional Urban Development Project (RUDP)
 West Urban Corridor (WUC) Development Project
 Babarmahal, Kathmandu, Nepal

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 Tel: 01-4589393

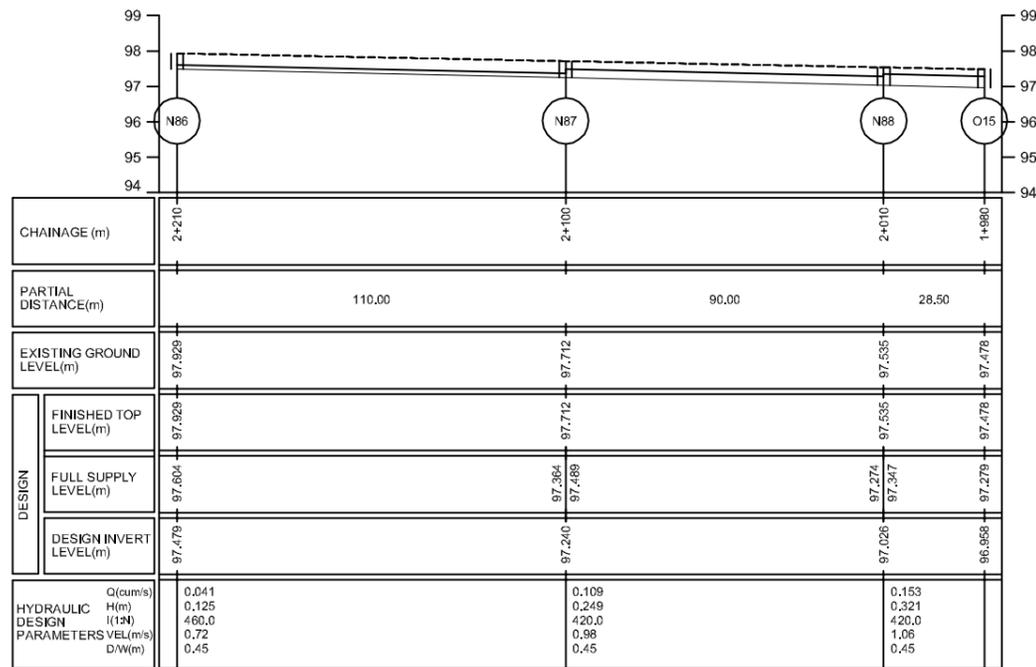
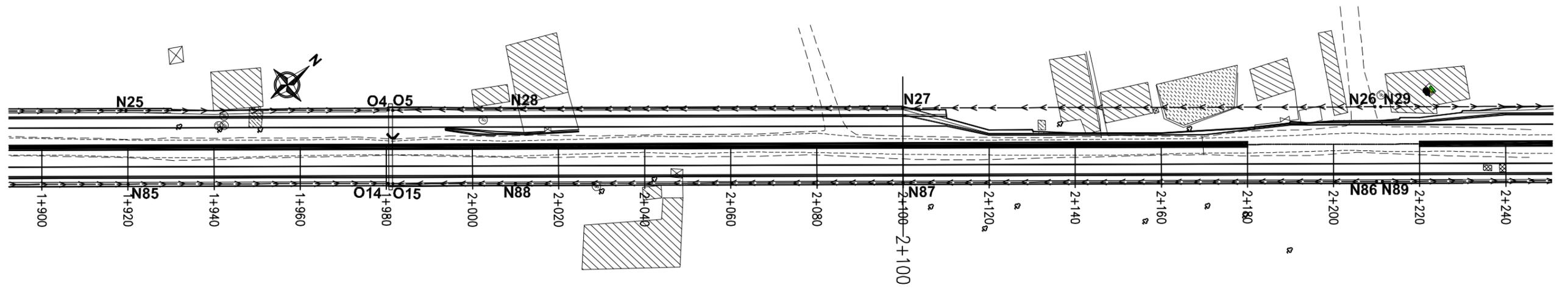
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : ROCKY KRISHNA TANDUKAR

Client
Approved By :
Checked By :

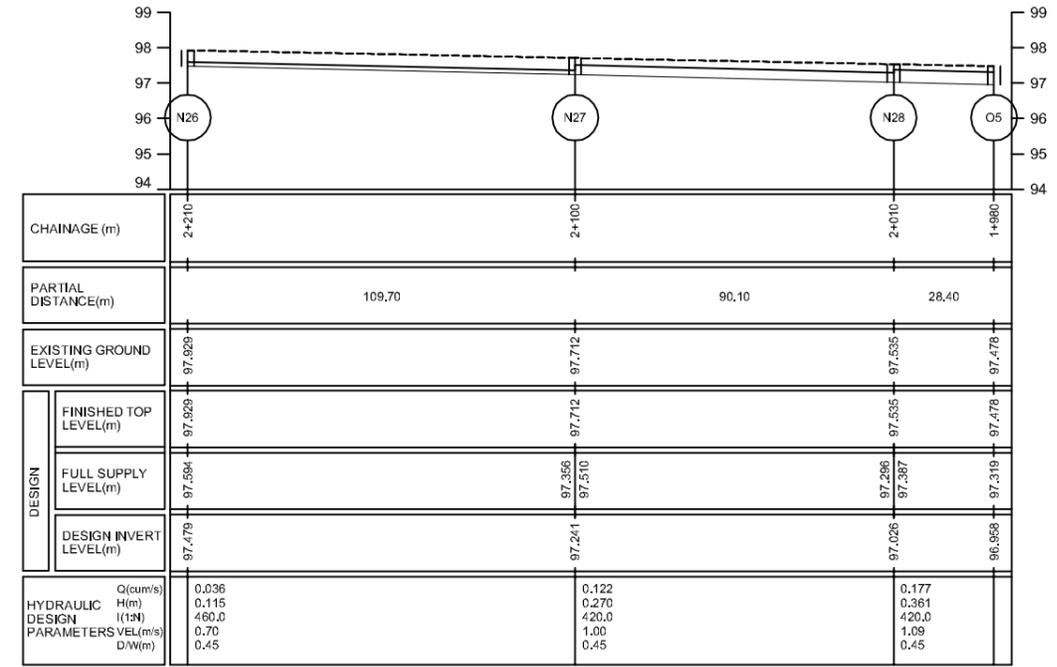


Drain Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/DD/PP/07
CHAINAGE : 1+720 to 1+980
SHEET NO : 07/14



BRANCH NUMBER: N86-O15



BRANCH NUMBER: N26-O5

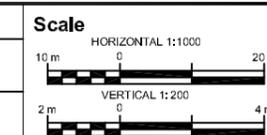


Department of Urban Development & Building Construction (DUDBC)
Regional Urban Development Project (RUDP)
 West Urban Corridor (WUC) Development Project
 Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
 DOHWA Engineering Co. Ltd.
 In Association with
 ERM (P.) Ltd., SILT Consultants (P.) Ltd., and
 DIGICON (P.) Ltd.
 Mid- Baneshwor, Kathmandu
 Tel: 01-4589393

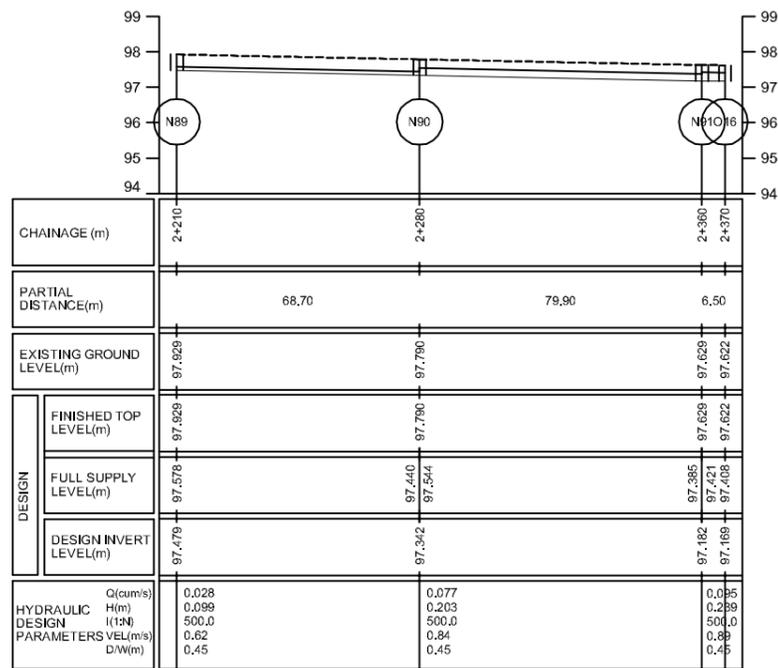
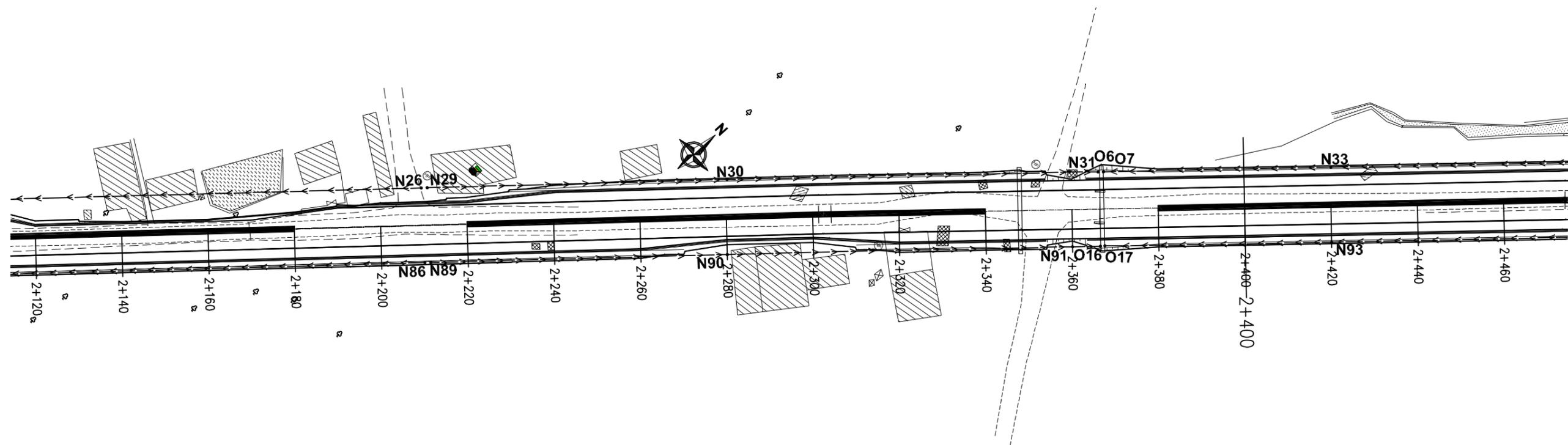
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : ROCKY KRISHNA TANDUKAR

Client
Approved By :
Checked By :

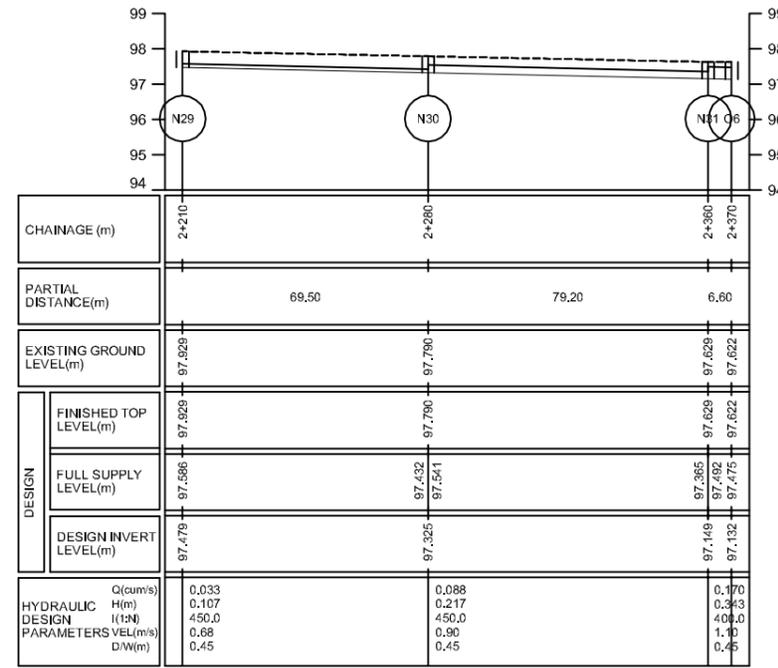


Drain Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/DD/PP/08
CHAINAGE : 1+980 to 2+210
SHEET NO : 08/14



BRANCH NUMBER: N89-O16



BRANCH NUMBER: N29-O6

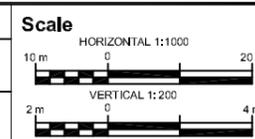


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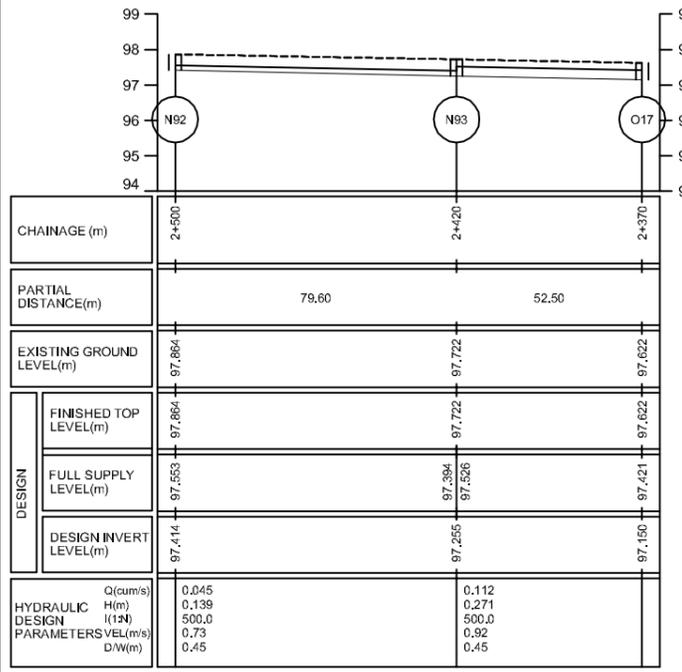
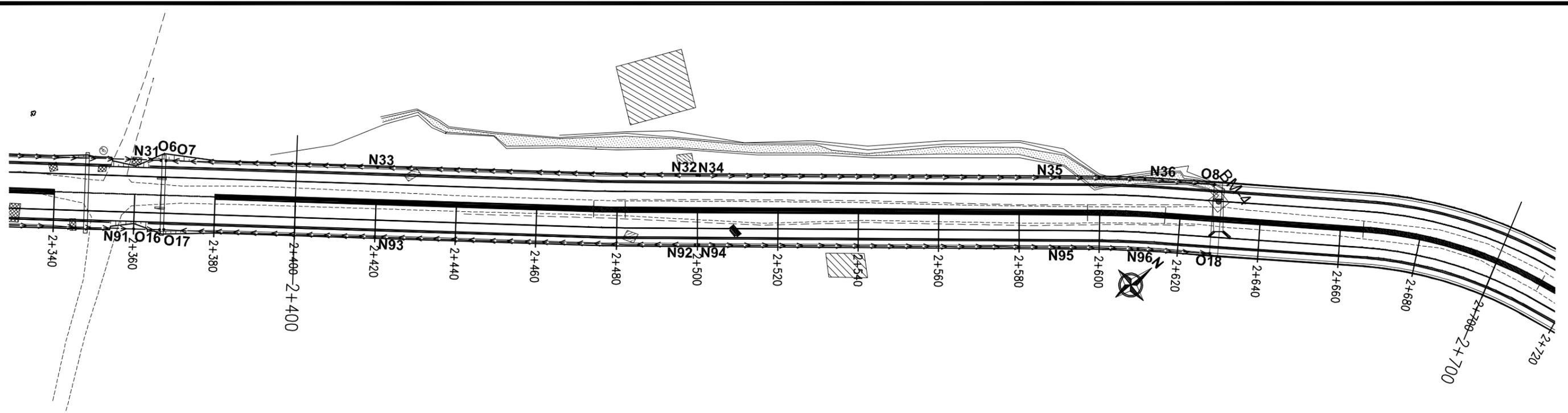
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : ROCKY KRISHNA TANDUKAR

Client
Approved By :
Checked By :

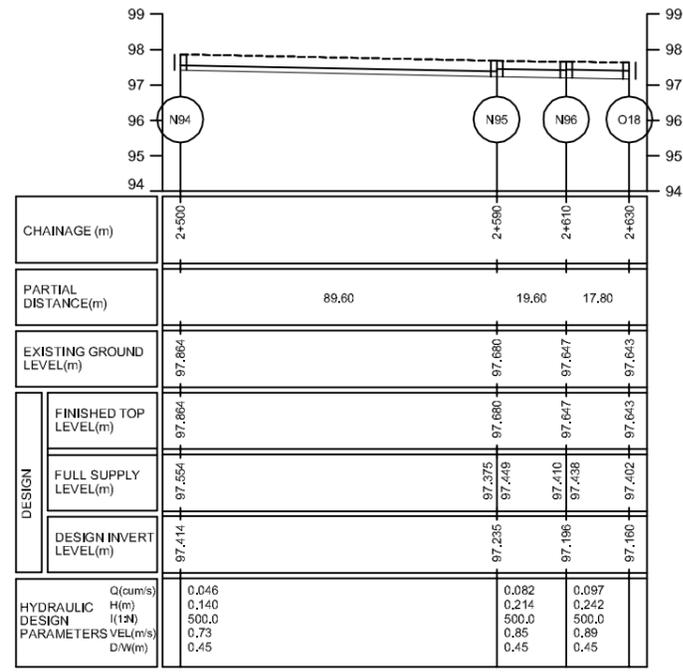


Drain Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

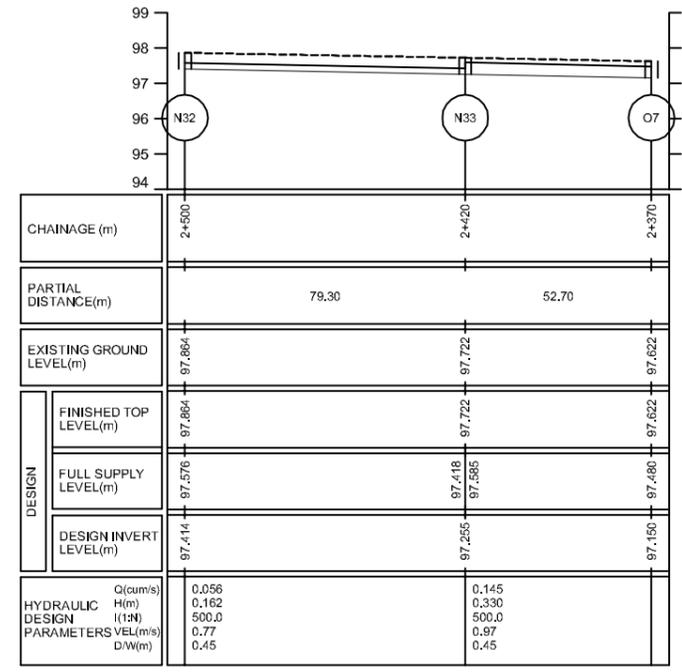
REV : DEC 2024
DRG NO : LSM/DD/PP/09
CHAINAGE : 2+210 to 2+370
SHEET NO : 09/14



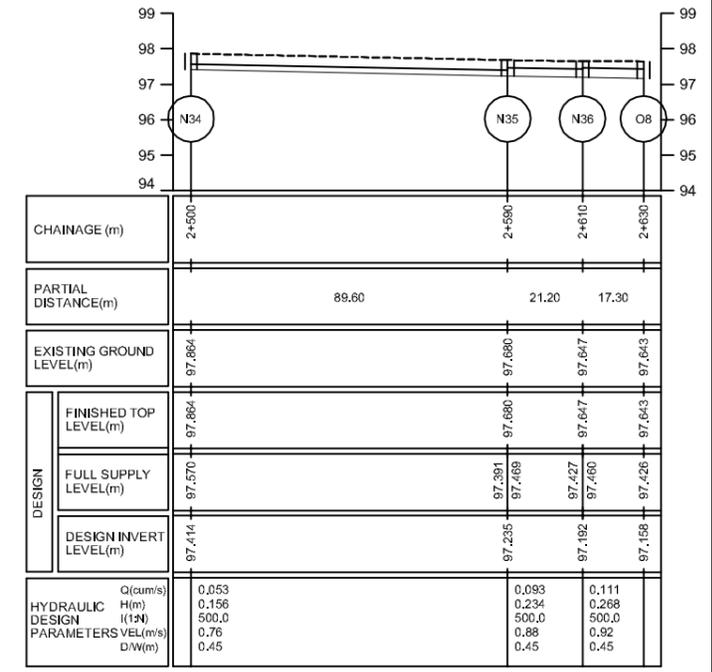
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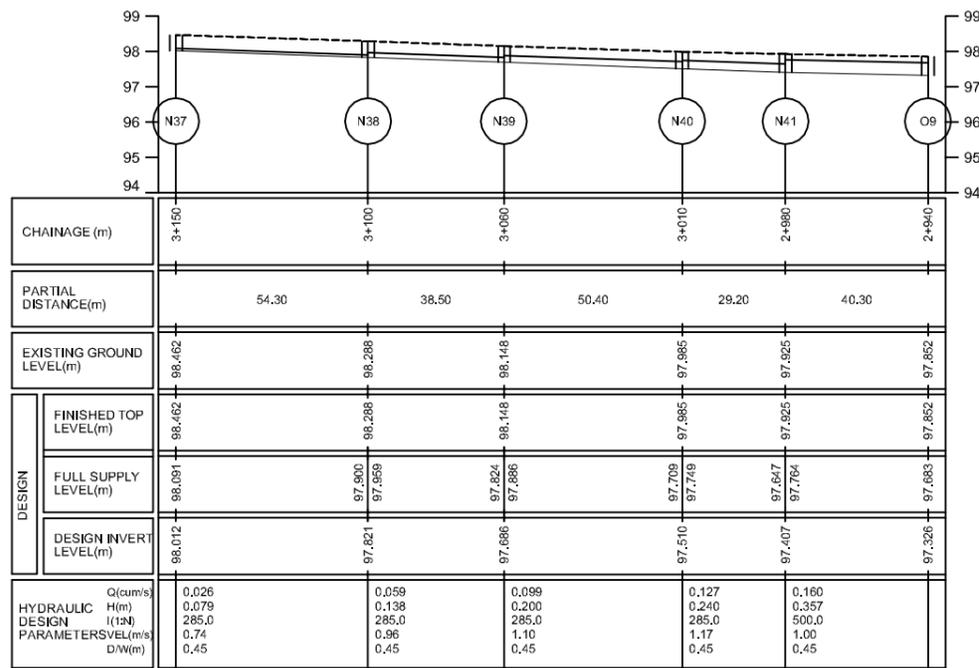
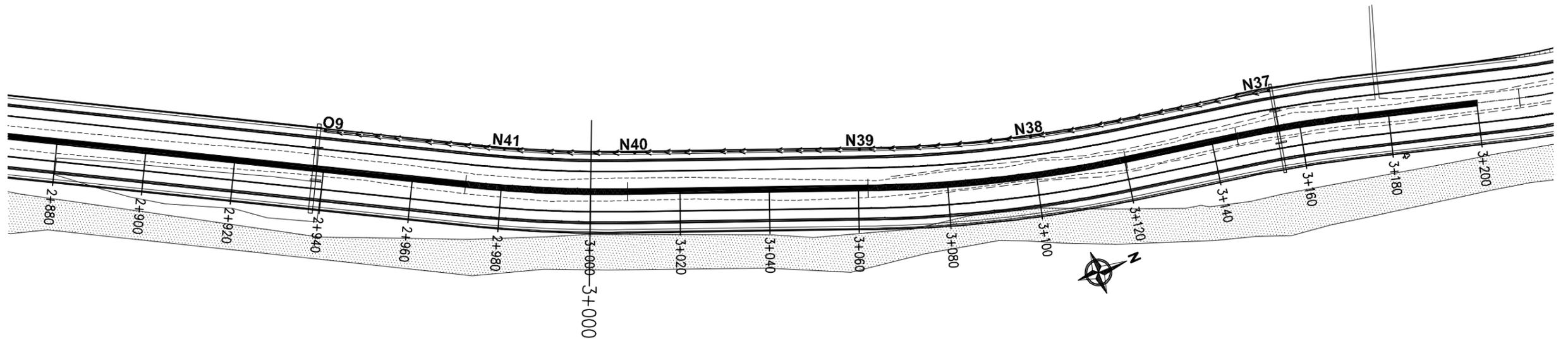
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BRANCH NUMBER: N32-O7



BRANCH NUMBER: N34-O8



BRANCH NUMBER: N37-O9

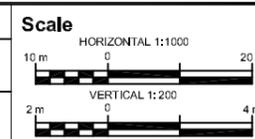


Department of Urban Development & Building Construction (DUDBC)
Regional Urban Development Project (RUDP)
 West Urban Corridor (WUC) Development Project
 Babarmahal, Kathmandu, Nepal

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 Tel: 01-4589393

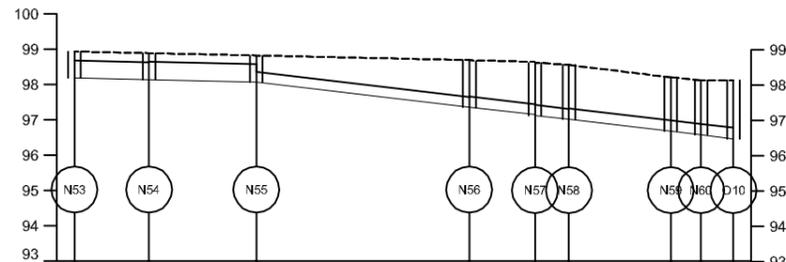
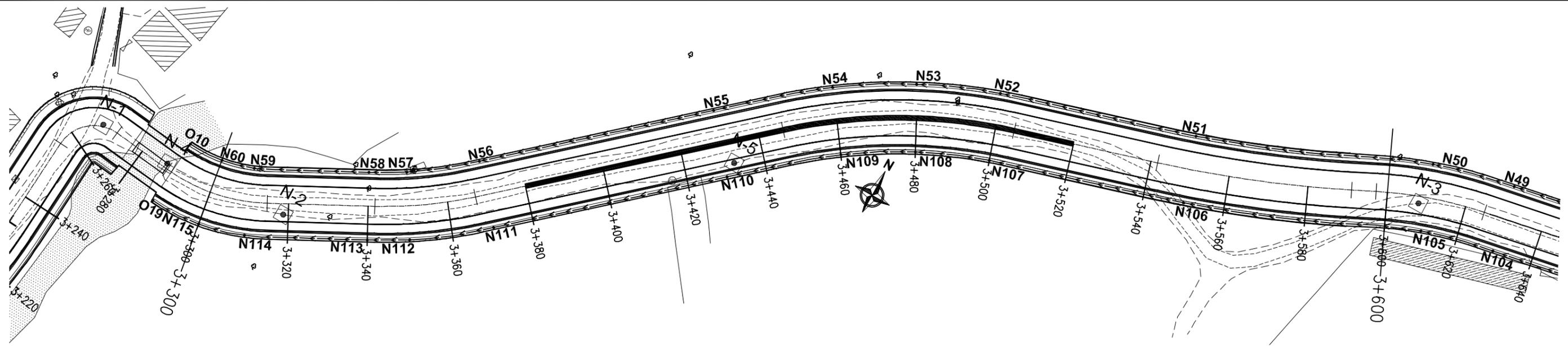
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : ROCKY KRISHNA TANDUKAR

Client
Approved By :
Checked By :



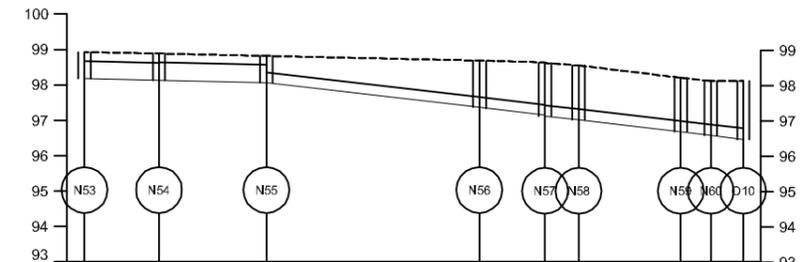
Drain Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/DD/PP/11
CHAINAGE : 2+940 to 3+150
SHEET NO : 11/14



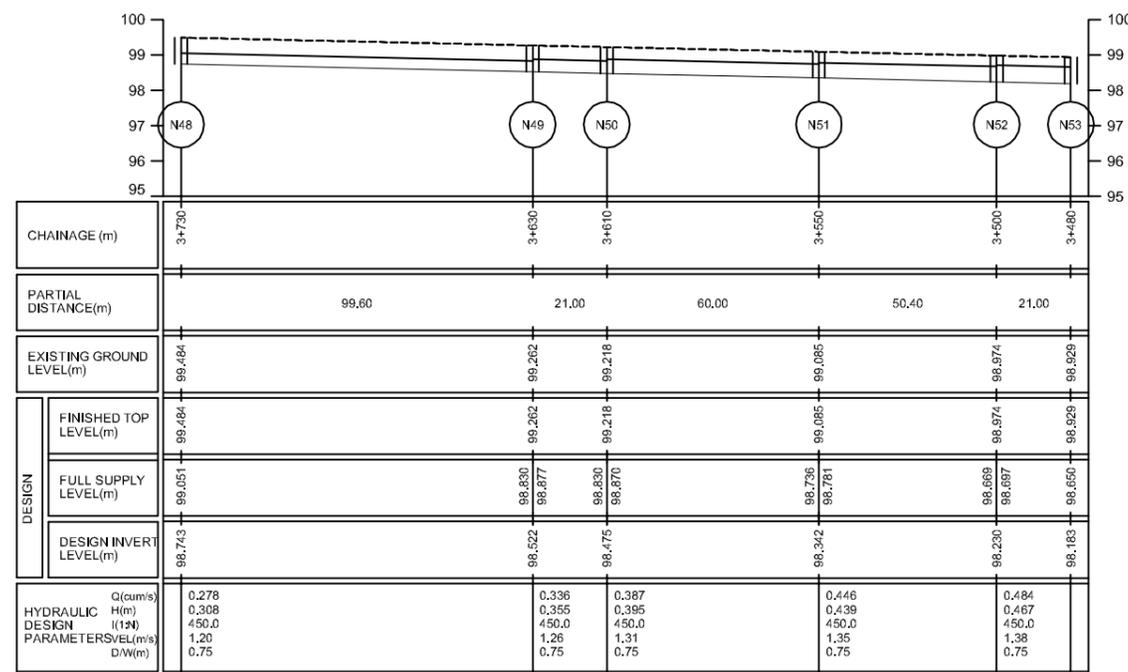
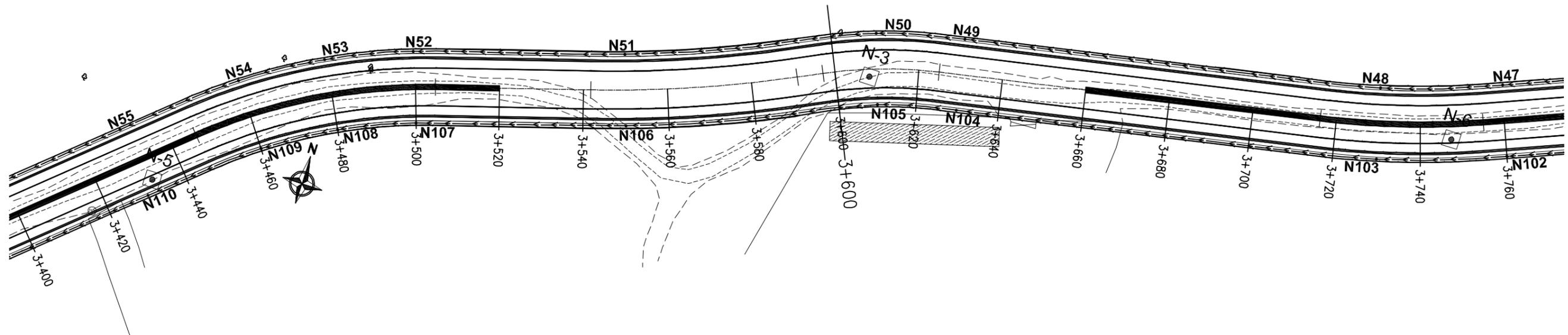
DESIGN	FINISHED TOP LEVEL(m)		FULL SUPPLY LEVEL(m)		DESIGN INVERT LEVEL(m)		
	Left	Right	Left	Right	Left	Right	
EXISTING GROUND LEVEL(m)	98.929	98.885	98.818	98.685	98.637	98.572	
CHAINAGE (m)	3+480	3+460	3+430	3+370	3+350	3+340	
PARTIAL DISTANCE(m)	21.10	30.40	60.30	18.50	9.60	28.90	
HYDRAULIC DESIGN PARAMETERS	Q(cum/s) 0.506 H(m) 0.484 I(1%) 450.0 DESIGN VEL(m/s) 1.39 D/W(m) 0.75	0.534 0.505 450.0 1.41 0.75	0.582 0.288 85.0 2.70 0.75	0.606 0.297 85.0 2.73 0.75	0.618 0.301 85.0 2.74 0.75	0.635 0.307 85.0 2.76 0.75	0.647 0.314 85.0 2.77 0.75

BRANCH NUMBER: N42-O10

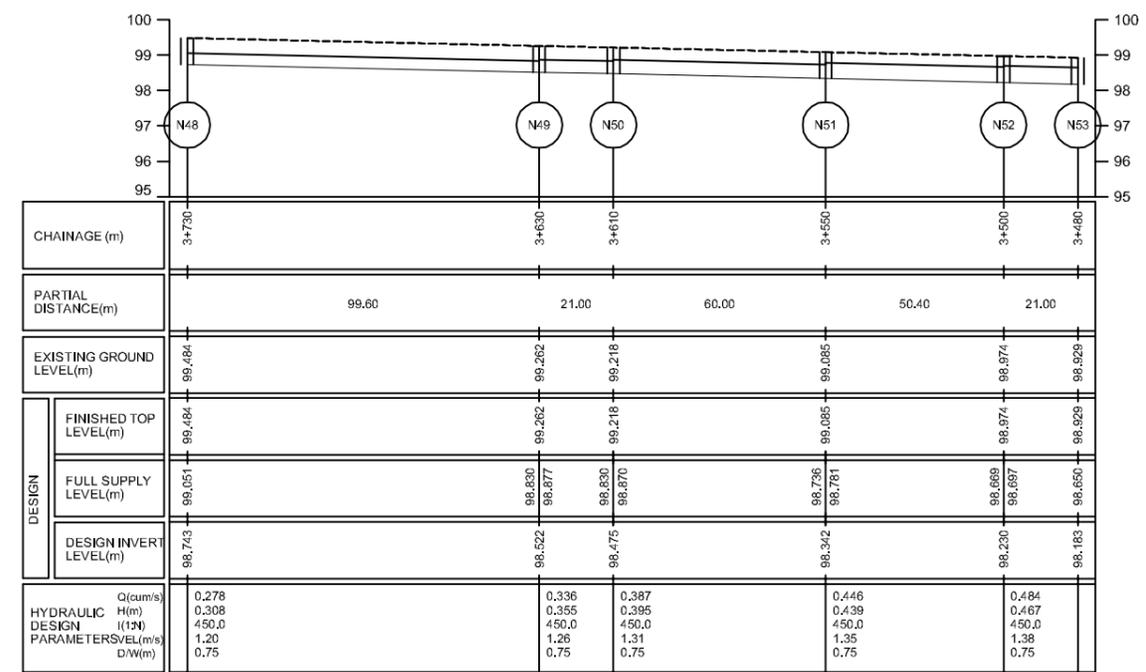


DESIGN	FINISHED TOP LEVEL(m)		FULL SUPPLY LEVEL(m)		DESIGN INVERT LEVEL(m)		
	Left	Right	Left	Right	Left	Right	
EXISTING GROUND LEVEL(m)	98.929	98.885	98.818	98.685	98.637	98.572	
CHAINAGE (m)	3+480	3+460	3+430	3+370	3+350	3+340	
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BRANCH NUMBER: N42-O10



BRANCH NUMBER: N42-O10



BRANCH NUMBER: N42-O10

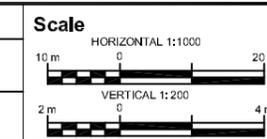


Department of Urban Development & Building Construction (DUBC)
Regional Urban Development Project (RUDP)
 West Urban Corridor (WUC) Development Project
 Babarmahal, Kathmandu, Nepal

Reviewed & Designed By :
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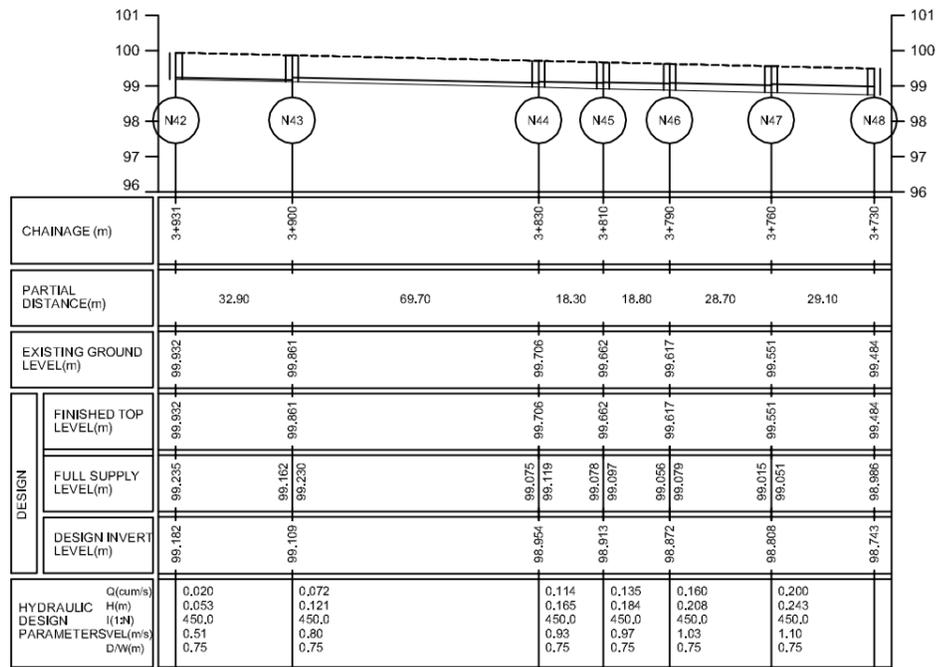
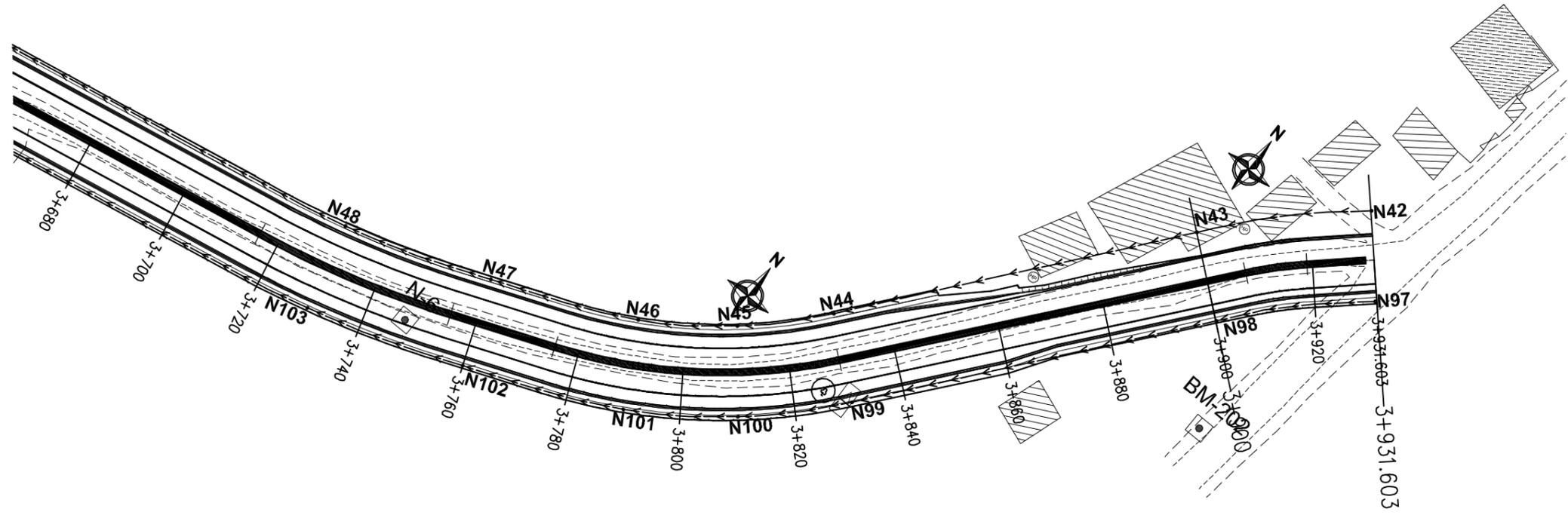
Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : ROCKY KRISHNA TANDUKAR

Client
Approved By :
Checked By :

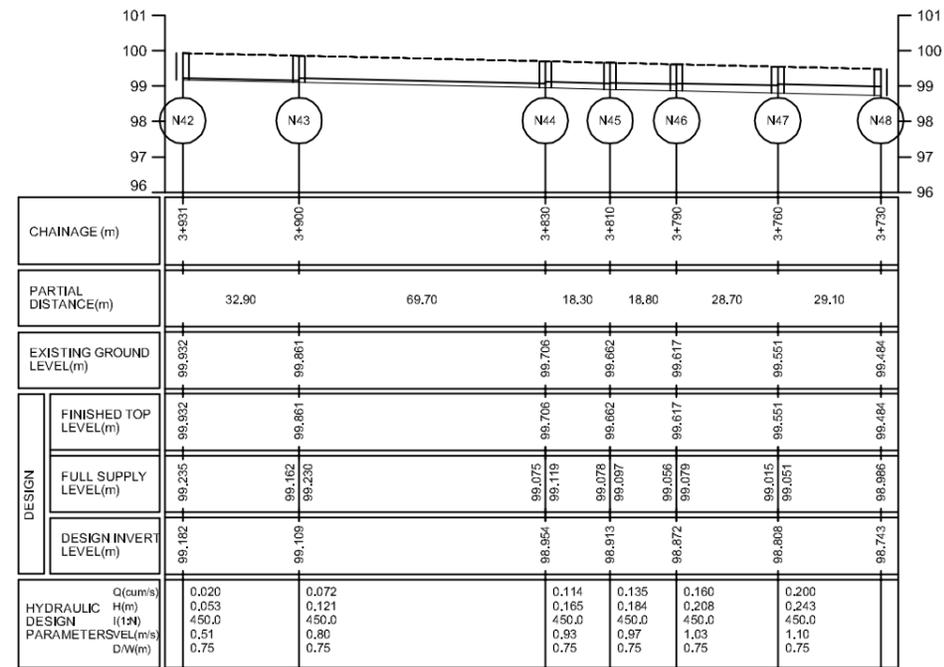


Drain Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/DD/PP/13
CHAINAGE : 3+480 to 3+730
SHEET NO : 13/14



BRANCH NUMBER: N42-O10



BRANCH NUMBER: N42-O10

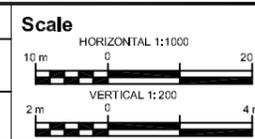


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Consultant
Team Leader : YOO CHANGMIN
Reviewed By : YAGYA BAHADUR MALLA
Designed By : ROCKY KRISHNA TANDUKAR

Client
Approved By :
Checked By :



Drain Plan & Profile
LUMBINI BUS TERMINAL ACCESS ROAD
 CH 0+000 - 3+931.603 Km

REV : DEC 2024
DRG NO : LSM/DD/PP/14
CHAINAGE : 3+730 to 3+931
SHEET NO : 14/14