

INFRA 1 – LOT 3
DRAWING

6100.0m Access Road to Adit 4

DESIGN NOTE:

ROAD WORKS

- ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
- NO DIMENSION SHALL BE MEASURED FROM THE DRAWINGS. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
- ALL DIMENSIONS/DETAILS SHALL BE CHECKED ALONG WITH THE RELEVANT DRAWINGS BEFORE STARTING EXECUTION OF WORKS. DISCREPANCY, IF ANY, SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF PROJECT AUTHORITY/CONSULTANT FOR REVIEW.
- THE FORMATION CUTTING WIDTH OF THE ROAD SHALL BE 8 METERS.
- THE FORMATION WIDTH IS DIVIDED INTO THREE PARTS; 1 METER DRAIN, 6 METER PAVEMENT WIDTH AND 1 METER SHOULDER AS INDICATED IN TYPICAL SECTION IN THE DRAWING.
- THE GRADIENT OF THE ROAD SHALL NOT EXCEED 10%. IN CASE THE GRADIENT EXCEEDS 10%, SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF PROJECT AUTHORITY/CONSULTANT FOR REVIEW.
- IN CASE OF CHANGE IN THE ALIGNMENT, CONTRACTOR AND PROJECT AUTHORITY SHALL IMMEDIATELY BRING TO THE NOTICE OF CONSULTANT FOR THE REVIEW AND POSSIBLE RE-ALIGNMENT.
- FOR THE NEW ALIGNMENT, THE TOPOGRAPHIC SURVEY SHALL BE CARRIED UPTO 20 METERS BOTH SIDE FROM THE CENTERLINE BEFORE EXCAVATION.
- THE CAMBER OF THE ROAD SHELL BE AS PER THE DESIGN AND DRAWINGS.
- THE CONSTRUCTION SHALL BE DONE AS PER THE DESIGN AND THE INSTRUCTION OF THE SITE ENGINEER.

HUME PIPE INSTALATION

- DO NOT MEASURE THE DIMENSIONS FROM THE DRAWING.
- THE PIPES SHALL BE LAID AFTER THE FOUNDATION IS WELL CURED AND APPROVED BY THE ENGINEER-IN-CHARGE.
- IN PLACES WHERE TWO OR MORE PIPES ARE TO BE LAID ADJACENT TO EACH OTHER, THE PIPES SHALL BE SEPARATED BY A DISTANCE OF A MINIMUM 450 MM OR EQUAL TO HALF THE DIAMETER OF THE PIPE.
- PROPER CARE SHALL BE TAKEN WHILE LIFTING, LOADING, UNLOADING, AND LOWERING OF CONCRETE PIPES AT A FACTORY OR SITE SO THAT THE PIPES DO NOT SUFFER ANY UNDUE STRUCTURAL STRAIN, ANY DAMAGE DUE TO FALL OR IMPACT.
- ANY PIPE FOUND DEFECTIVE OR DAMAGED DURING LAYING SHALL BE REMOVED AT THE COST OF THE CONTRACTOR.
- THE BACKFILLING OF THE TRENCHES SHALL BE CARRIED OUT IMMEDIATELY AFTER THE PIPES ARE PLACED, AND THE JOINTING MATERIAL HAS HARDENED.
- THE BACKFILLING UP TO 300 MM ABOVE THE TOP OF THE PIPE SHALL BE CARRIED OUT CAREFULLY, AND THE SOIL SHALL BE RAMMED, TAMPED, OR VIBRATED IN LAYERS NOT EXCEEDING 150 MM, PARTICULAR CARE BEING TAKEN TO CONSOLIDATE THE MATERIALS UNDER THE LAUNCHES OF THE PIPE THOROUGHLY.
- THE FILLING OF THE TRENCH ON BOTH SIDES OF THE PIPE SHALL BE CARRIED OUT SIMULTANEOUSLY SO THAT UNEQUAL PRESSURES DO NOT OCCUR.
- IN CASE OF THE HIGH EMBANKMENT, AFTER FILLING THE TRENCH UP TO THE TOP OF THE PIPE IN THE ABOVE-SAID MANNER, A LOOSE-FILL SHALL BE PLACED OVER THE PIPE TO A DEPTH EQUAL TO THE EXTERNAL DIAMETER OF THE PIPE AND COMPACTED.

CULVERT CONSTRUCTION:


- ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
- NO DIMENSION SHALL BE MEASURED FROM THE DRAWINGS. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
- THE FOUNDATION OF CULVERT TO LAID ON ORIGINAL SOIL MAINTAINING THE SLOPES AS SHOWN IN THE SECTION.
- USE M25 GRADE CONCRETE AND Fe500 STEEL FOR THE CONSTRUCTION OF CULVERT SLAB AND ABUTMENT.
- PROVIDE 30MM CLEAR COVER FOR SLAB AND 40MM FOR THE ABUTMENT.
- PROVIDE 100MM DIAMETER STEEL CHAIR @ 1METER CENTER TO CENTER FOR CULVERT SLAB AND FOOTING.
- THE HEIGHT OF ABUTMENT MAY CHANGE AS PER THE SITE CONDITION, ANY SUCH CHANGE SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF PROJECT AUTHORITY/CONSULTANT FOR REVIEW.
- THE DRAINAGE HOLE SHALL BE PROVIDED BOTH IN DECK SLAB AND THE ABUTMENT AS DETAILS SHOWN IN THE SECTIONS.
- THE BACKFILLING OF SHALL BE DONE IN LAYER OF 300MM PROVIDING PROPER FILTER MATERIALS AT DRAINAGE HOLES.
- DEVELOPMENT LENGTH OF REINFORCEMENT SHALL BE PROVIDED 57Ø OF THE REINFORCEMENT.
- ALL DIMENSIONS/DETAILS SHALL BE CHECKED ALONG WITH THE RELEVANT DRAWINGS BEFORE STARTING EXECUTION OF WORKS. DISCREPANCY, IF ANY, SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF PROJECT AUTHORITY/CONSULTANT FOR REVIEW.

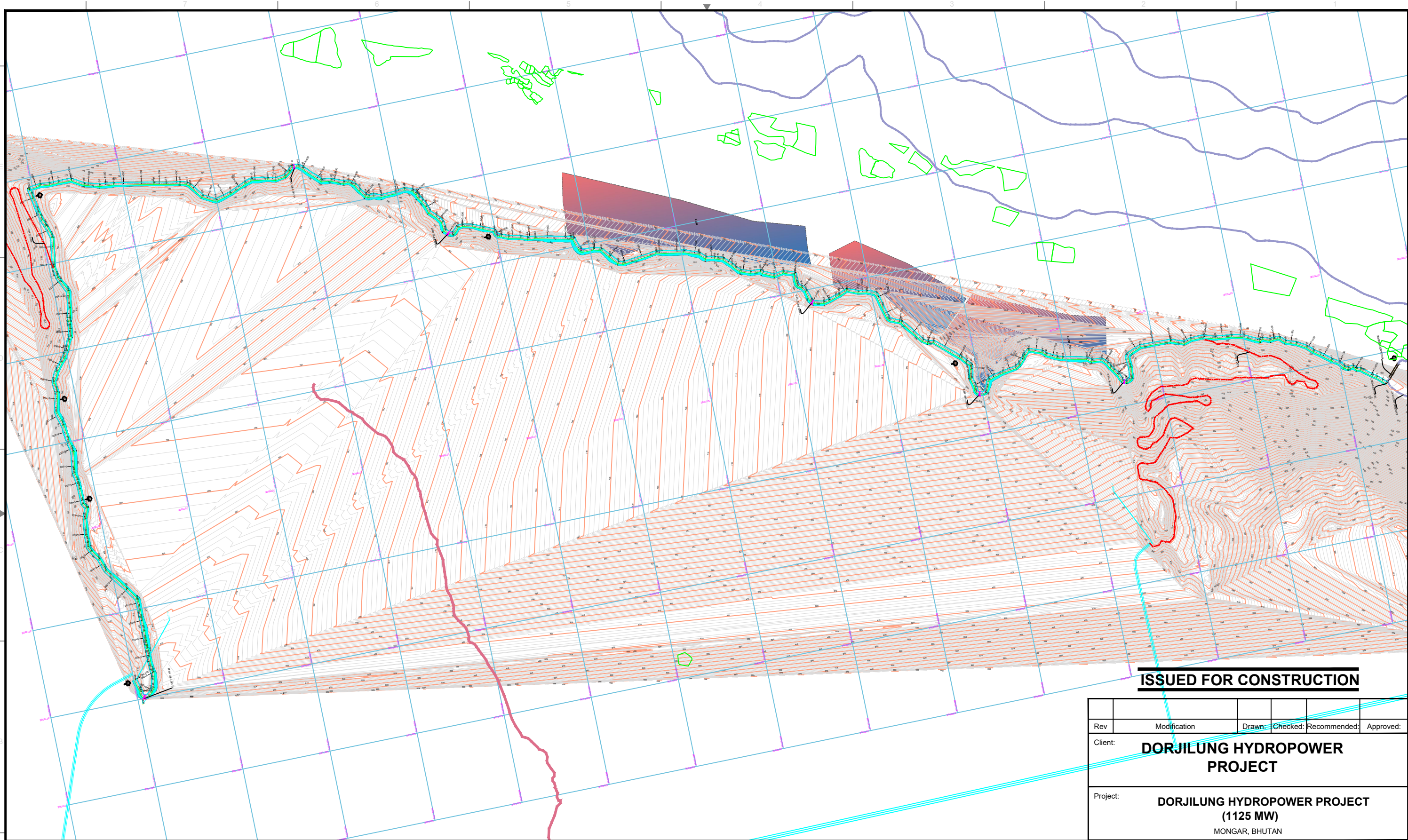
RETAINING WALL CONSTRUCTION:

- ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
- NO DIMENSION SHALL BE MEASURED FROM THE DRAWINGS. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
- THE HEIGHT OF THE RETAINING WALL SHALL NOT EXCEED ($H = 0.4B + 0.3$) AND IT IS TO BE DIVIDED INTO PANELS LENGTH NOT EXCEEDING 5M.
- THE FOUNDATION OF WALL TO LAID ON ORIGINAL SOIL MAINTAINING THE SLOPES AS SHOWN IN THE SECTION.
- THE BACKFILLING OF SHALL BE DONE IN LAYER OF 300MM PROVIDING PROPER FILTER MATERIALS AT WEEP HOLES.
- THE WEEP HOLE SHALL BE PROVIDED AT DISTANCE NOT EXCEEDING 1.5 METER C/C IN BOTH THE DIRECTION.
- ALL DIMENSIONS/DETAILS SHALL BE CHECKED ALONG WITH THE RELEVANT DRAWINGS BEFORE STARTING EXECUTION OF WORKS. DISCREPANCY, IF ANY, SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF PROJECT AUTHORITY/CONSULTANT FOR REVIEW.



ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 GENERAL PLAN SHEET 0 OF 75					
CONSULTANT:		NAME	SIG.		
	Designed				
	Drawn				
	Checked				
	Approved				
Issued Date		NOV 2024			
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-00			REV NA



ISSUED FOR CONSTRUCTION

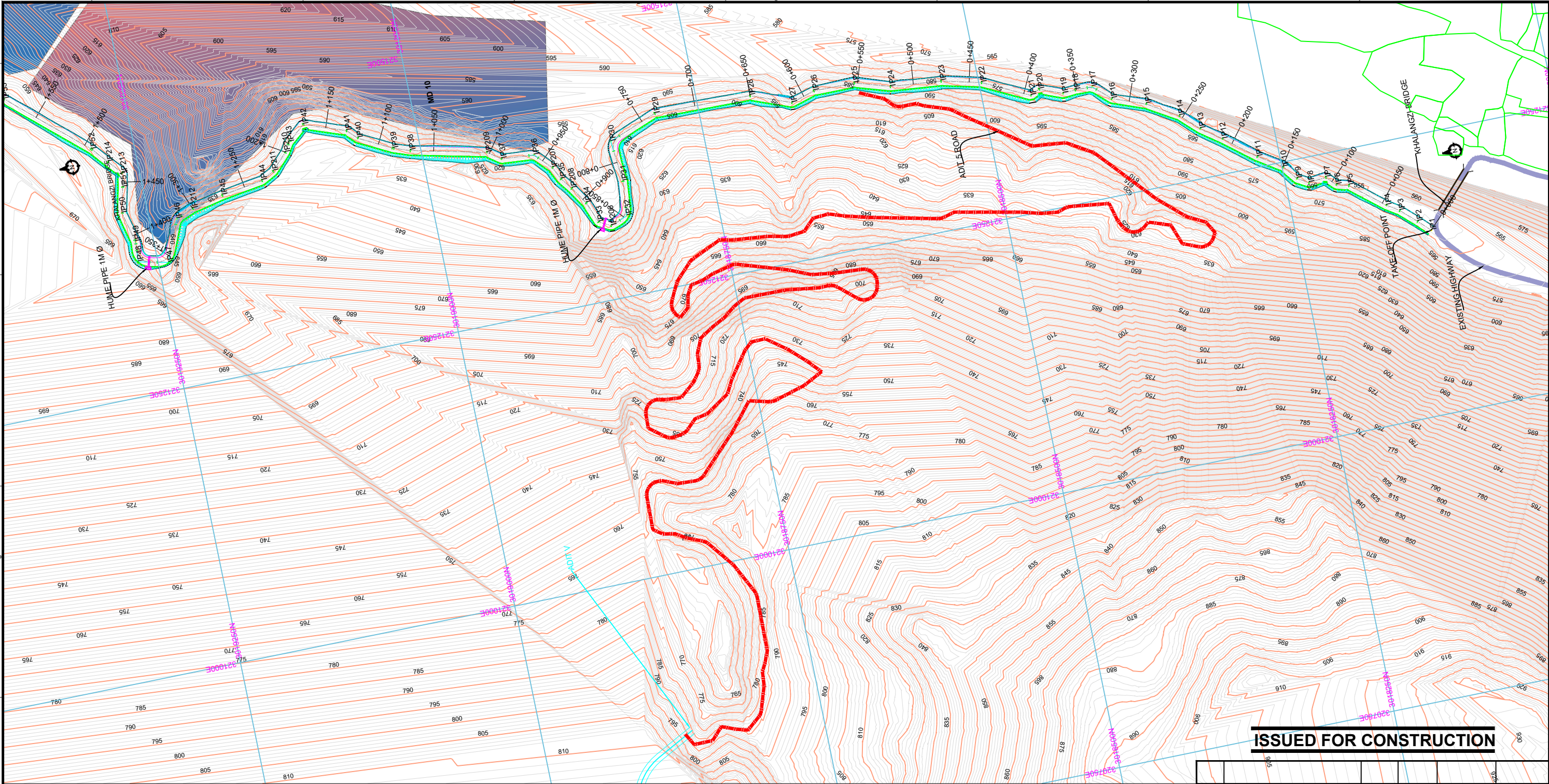
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Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 GENERAL PLAN SHEET 1 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-01		REV	NA

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SCALE 1 : 1000 0.1 0 0.1 0.2 0.3 0.4 0.5km




ISSUED FOR CONSTRUCTION

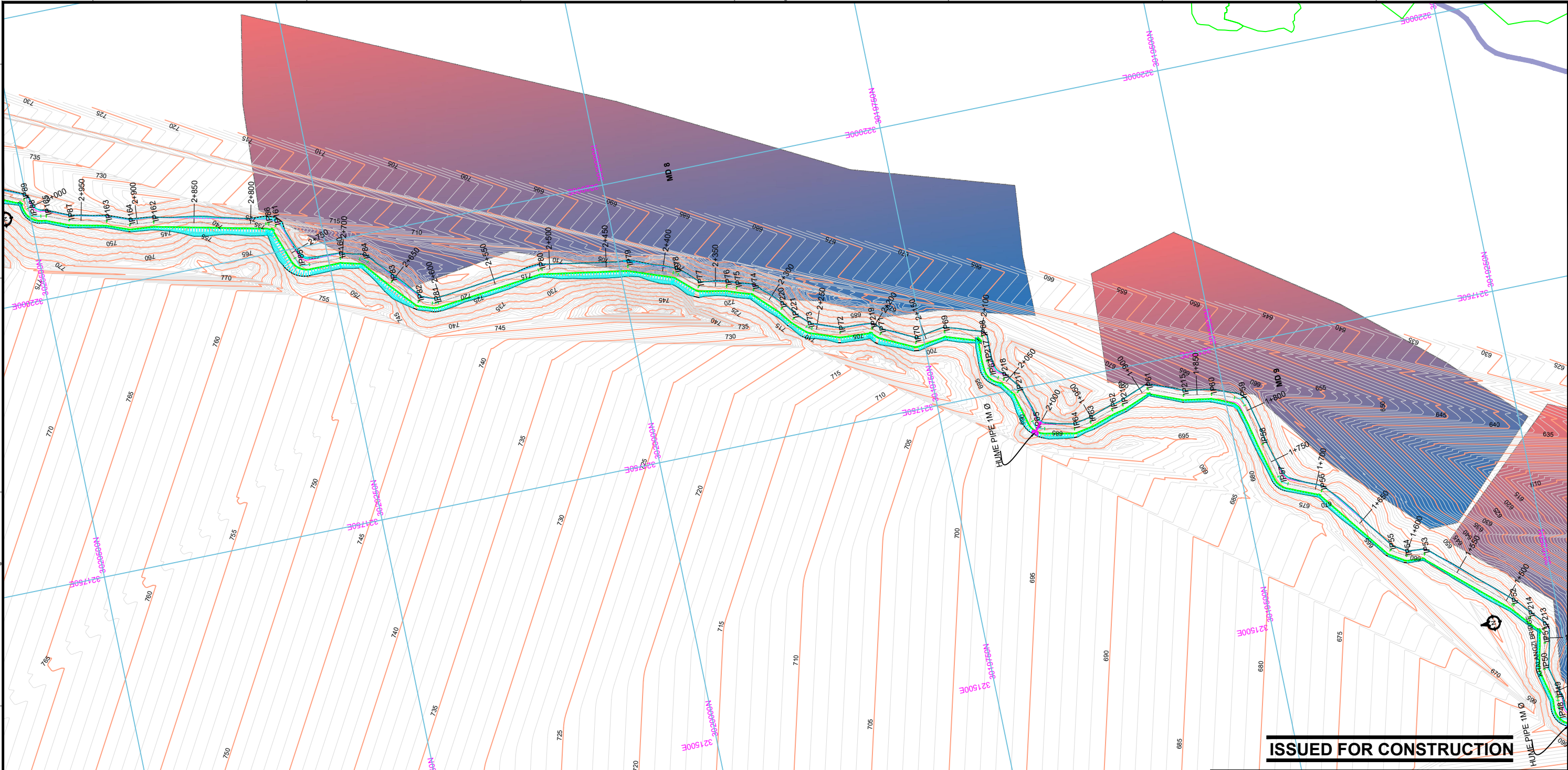
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SCALE 1 : 3,500

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: <div>DORJILUNG HYDROPOWER PROJECT</div>					
Project: <div>DORJILUNG HYDROPOWER PROJECT</div> <div>(1125 MW)</div> <div>MONGAR, BHUTAN</div>					
Title: <div>DORJILUNG ROAD ADIT 4</div> <div>GENERAL PLAN</div> <div>SHEET 1 OF 75</div>					
CONSULTANT:		NAME	SIG.		
 <div>Druk Green Consultancy</div>	Designed				
	Drawn				
	Checked				
	Approved				
	Issued Date	NOV 2024			
Original Size	Original Scale	DRAWING NO.		REV	
A3	AS SHOWN	DHPP-ROAD-ADIT-4-2024-01A		NA	



ISSUED FOR CONSTRUCTION

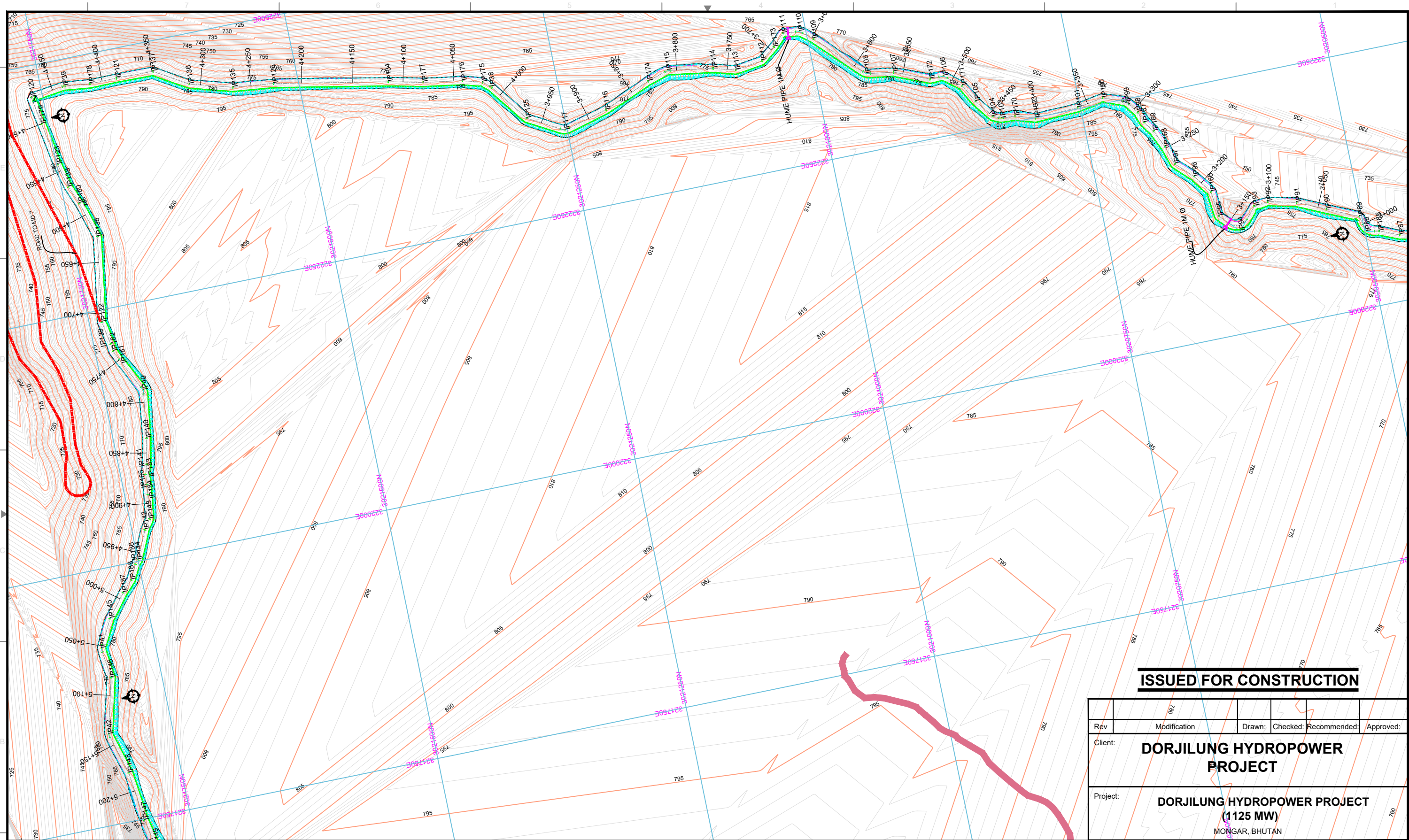
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Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 GENERAL PLAN SHEET 1 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	Original Scale	DRAWING NO.			REV
A3	AS SHOWN	DHPP-ROAD-ADIT-4-2024-01B			NA



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Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 GENERAL PLAN					
SHEET 1 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-01C	REV NA		

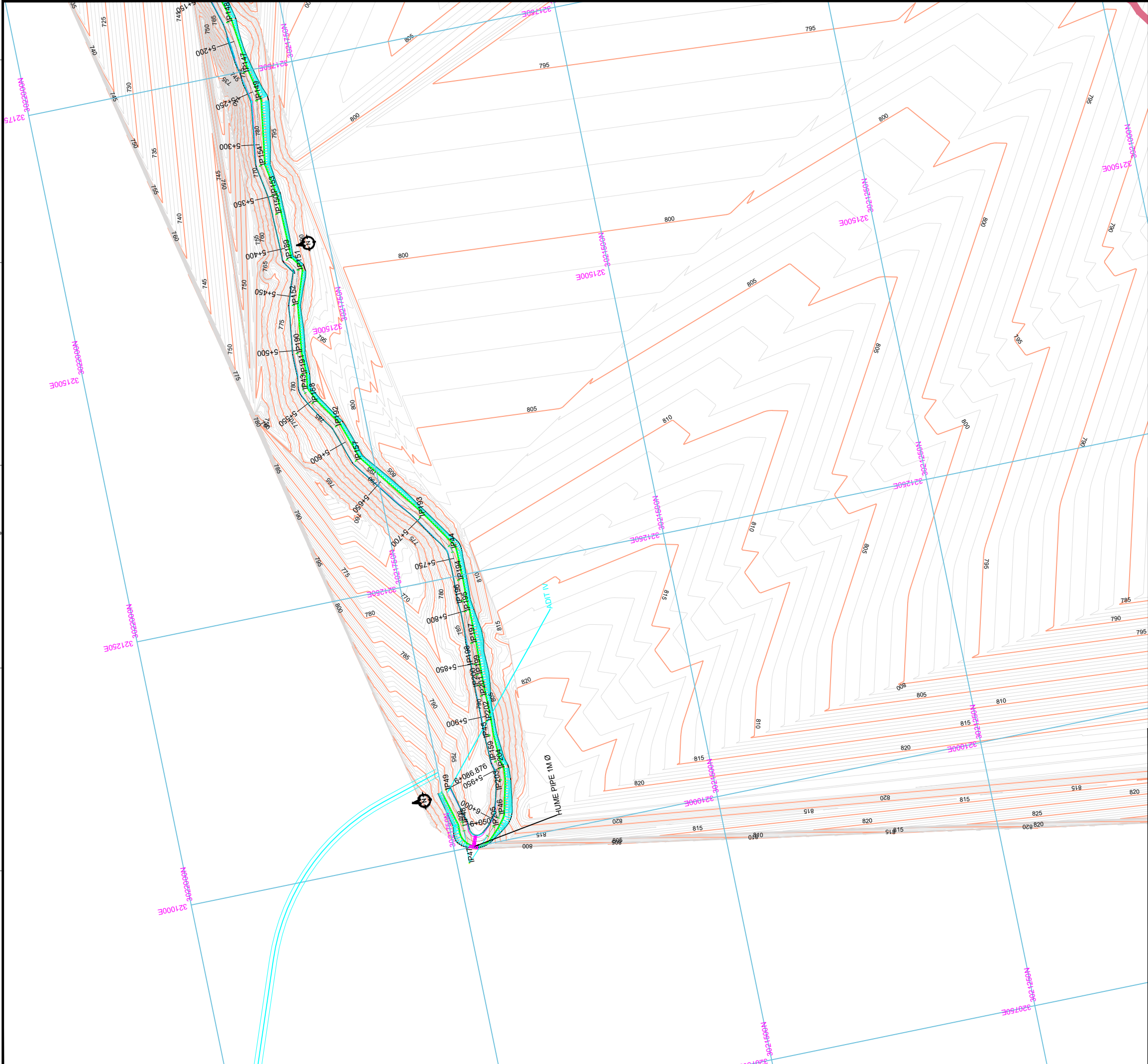
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SCALE 1 : 3,500






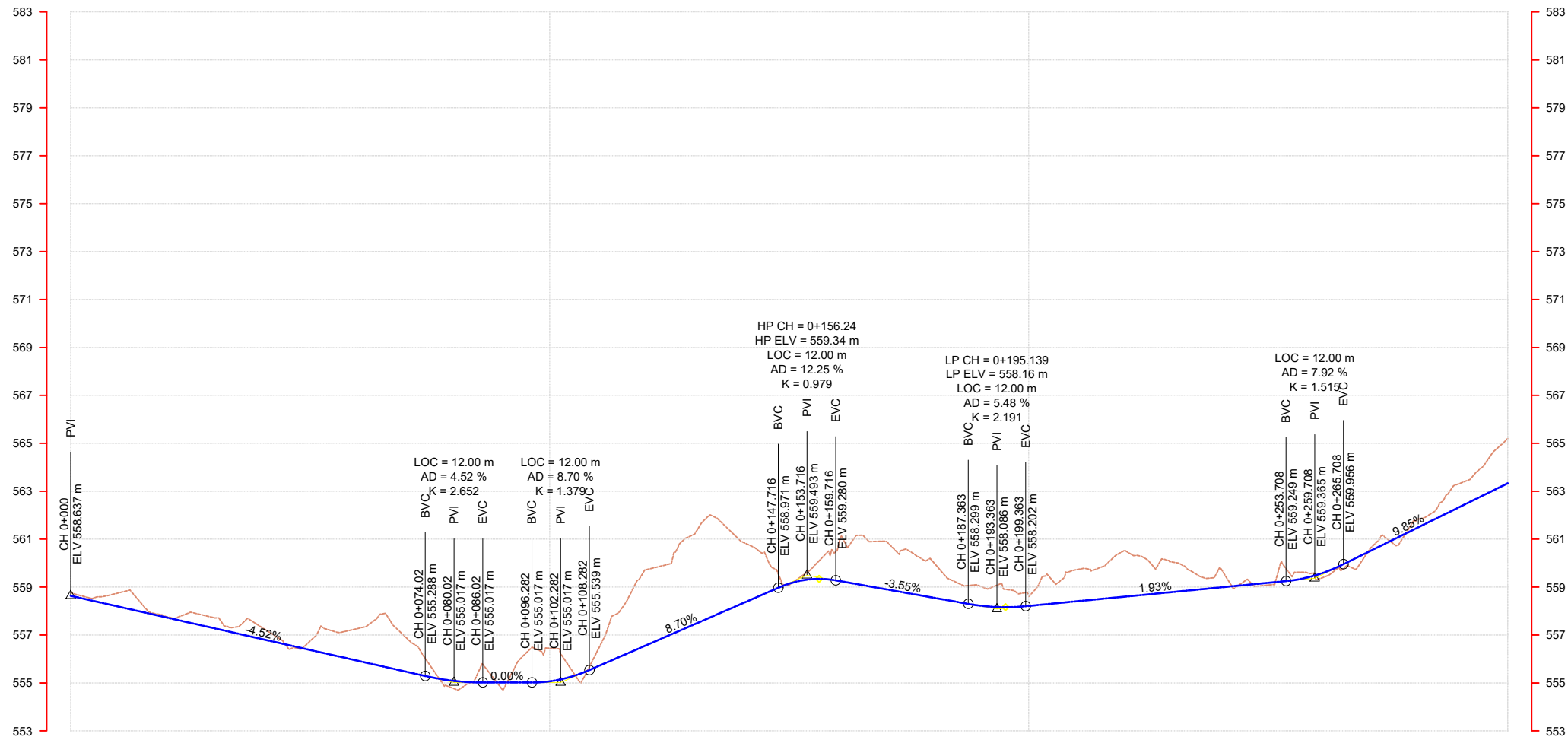
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Title: DORJILUNG ROAD ADIT 4 GENERAL PLAN SHEET 1 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-01D		REV	NA




CHAINAGE : 0+000 - 0+300

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
1	321163.698	3018130.890
2	321173.947	3018141.035
3	321186.619	3018154.780
4	321193.682	3018165.583
5	321217.642	3018194.736
6	321220.516	3018205.538
7	321228.825	3018213.571
8	321227.371	3018229.022
9	321232.928	3018238.967
10	321245.739	3018248.783
11	321259.450	3018269.592
12	321281.176	3018296.875
13	321294.056	3018314.602
14	321309.169	3018330.391
15	321325.304	3018357.328

DESIGN LEVEL(m)	558.637		558.185		557.732		557.280		556.827		556.375		555.922		555.470		555.085		555.017		555.067		555.688		556.559		557.429		558.299		559.143		559.270		558.915		558.560		558.221		558.643		558.214		558.407		558.600		558.792		558.985		559.178		559.501		560.228		561.364		562.348		563.333																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
EXISTING LEVEL(m)	558.774		558.757		557.763		557.717		557.303		556.751		557.275		556.898		554.765		554.753		556.451		556.356		559.720		561.187		560.908		559.087		560.514		560.916		560.063		559.027		558.643		559.727		560.528		560.044		559.810		559.084		559.295		560.228		561.646		563.328		565.200		566.333																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
CHAINAGE(Km)	0+000		0+010		0+020		0+030		0+040		0+050		0+060		0+070		0+080		0+090		0+100		0+110		0+120		0+130		0+140		0+150		0+160		0+170		0+180		0+190		0+200		0+210		0+220		0+230		0+240		0+250		0+260		0+270		0+280		0+290		0+300																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
HORIZONTAL SCHEMATIC	L=14.420		L=18.696		L=12.907		L=37.735		L=11.178		L=11.557		L=15.519		L=11.393		L=16.139		L=24.920		L=34.877		L=21.912		L=21.856		L=31.400		L=15.491																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

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Client: <div>DORJILUNG HYDROPOWER PROJECT</div>					
Project: <div>DORJILUNG HYDROPOWER PROJECT</div> <div>(1125 MW)</div> <div>MONGAR, BHUTAN</div>					
Title: <div>DORJILUNG ROAD ADIT 4</div> <div>PROFILE (0 TO 300 M)</div> <div>SHEET 2 OF 75</div>					
CONSULTANT:		NAME	SIG.		
 <div>འབྲས་རྒྱུ་འཕེལ་སྐྱོལ་ལྟན་འགྲུལ་གྲྭ་</div> <div>Drak Green Consultancy</div>		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	Original Scale	DRAWING NO.			REV
A3	AS SHOWN	DHPP-ROAD-ADIT-4-2024-02			NA

NOTE:

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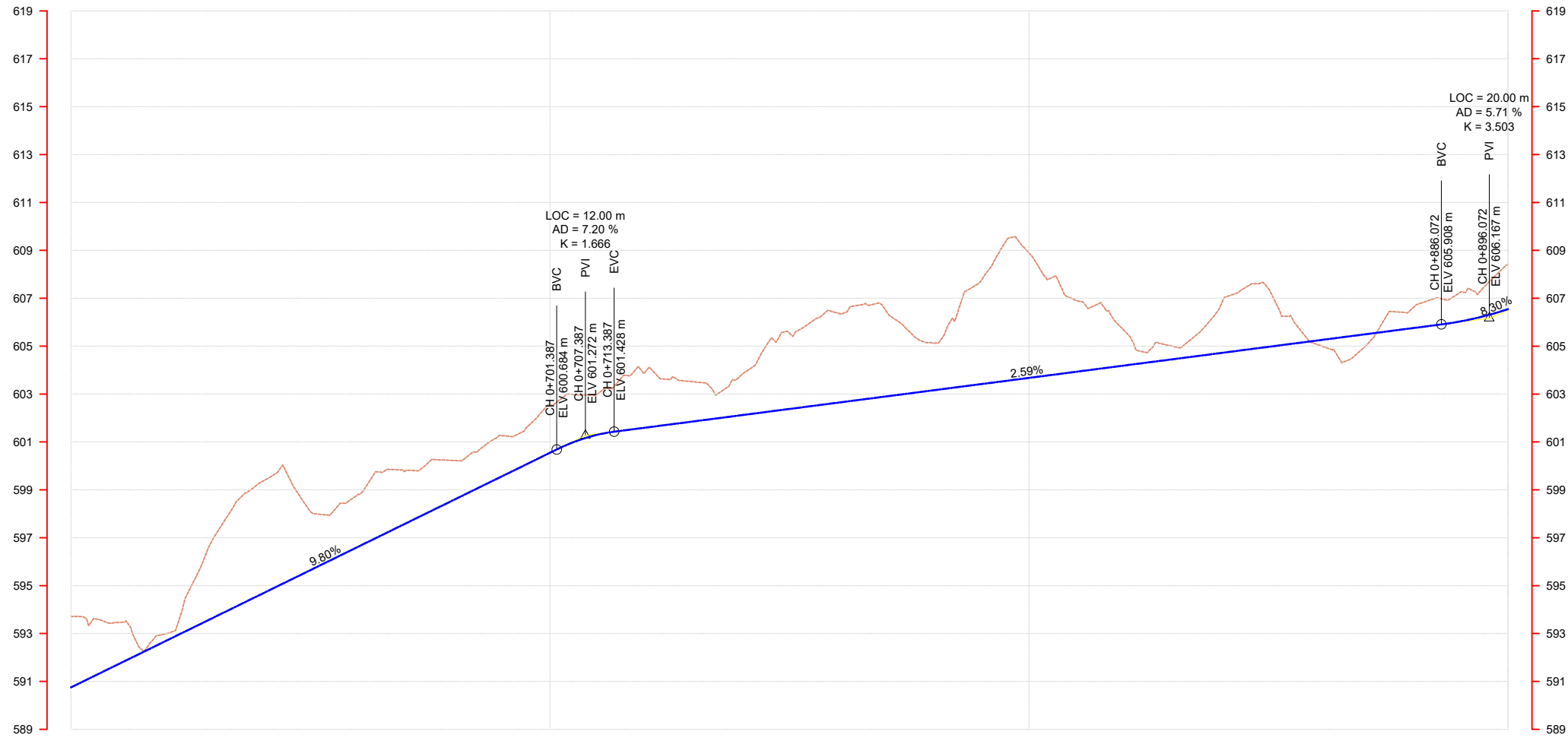
SCALE 1 : 1000 



CHAINAGE : 0+300 - 0+600

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
15	321325.304	3018357.328
16	321336.279	3018386.446
17	321350.129	3018401.577
18	321350.527	3018416.984
19	321349.557	3018428.202
20	321357.590	3018448.422
21	321353.574	3018456.593
22	321373.794	3018497.588
23	321382.311	3018532.696
24	321386.743	3018577.914
25	321396.438	3018609.006
26	321396.576	3018645.776

DESIGN LEVEL(m)	563.333		564.310		565.270		566.230		567.189		568.149		569.101		569.961		570.779		571.596		572.414		573.232		574.050		574.868		575.686		576.504		577.329		578.242		579.197		580.152		581.107		582.062		583.016		583.971		584.926		585.881		586.838		587.791		588.746		589.701		590.656																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
EXISTING LEVEL(m)	565.200		567.443		568.551		567.027		567.088		569.661		572.813		574.323		573.954		574.976		576.729		577.894		577.590		577.053		576.834		577.306		577.877		579.307		583.213		583.391		584.262		582.602		584.999		586.317		585.706		585.581		587.496		589.275		591.316		592.453		589.707																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
CHAINAGE(Km)	0+300		0+310		0+320		0+330		0+340		0+350		0+360		0+370		0+380		0+390		0+400		0+410		0+420		0+430		0+440		0+450		0+460		0+470		0+480		0+490		0+500		0+510		0+520		0+530		0+540		0+550		0+560		0+570		0+580		0+590		0+600																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
HORIZONTAL SCHEMATIC	L=15.627		L=16.027		L=8.585 R=12		L=10.927		L=11.260		L=21.757		L=9.105		L=45.710		L=36.127		L=45.435		L=32.568		L=36.770		L=10.102																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										</	




CHAINAGE : 0+600 - 0+900

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
26	321396.576	3018645.776
27	321390.329	3018666.923
28	321403.986	3018702.351
29	321405.613	3018789.014
30	321389.094	3018832.414
31	321351.981	3018828.935
32	321321.166	3018831.635
IP206	321315.241	3018847.028
33	321320.751	3018857.395
34	321339.529	3018864.812

DESIGN LEVEL(m)	590.751		591.731	592.710	593.690	594.670	595.650	596.629	597.609	598.589	599.569	600.548	601.527	602.506	603.485	604.464	605.443	606.422	607.401	608.380	609.359	610.338	611.317	612.296	613.275	614.254	615.233	616.212	617.191	618.170	619.149							
EXISTING LEVEL(m)	593.707		593.465	592.997	597.071	599.356	598.086	598.819	599.806	600.225	601.262	602.537	603.014	603.955	603.511	603.799	605.538	606.384	606.518	605.125	607.736	608.887	606.896	605.622	604.994	606.695	607.397	605.081	604.954	606.572	607.243	608.408						
CHAINAGE(Km)	0+600		0+610	0+620	0+630	0+640	0+650	0+660	0+670	0+680	0+690	0+700	0+710	0+720	0+730	0+740	0+750	0+760	0+770	0+780	0+790	0+800	0+810	0+820	0+830	0+840	0+850	0+860	0+870	0+880	0+890	0+900						
HORIZONTAL SCHEMATIC	L=11.948		L=37.969			L=86.678					L=37.309				L = 15.607 R = 12		L=28.148		L=23.444		L = 13.391 R = 12		L=9.004		L=11.741		L=20.190		L=4.571									
SUPER ELEVATION SCHEMATIC	0+600		SE:4%																0+791.645		0+803.445		0+817.659		SE:4%		0+832.303		0+835.103		0+841.603		0+845.191		0+863.498		0+900	


ISSUED FOR CONSTRUCTION

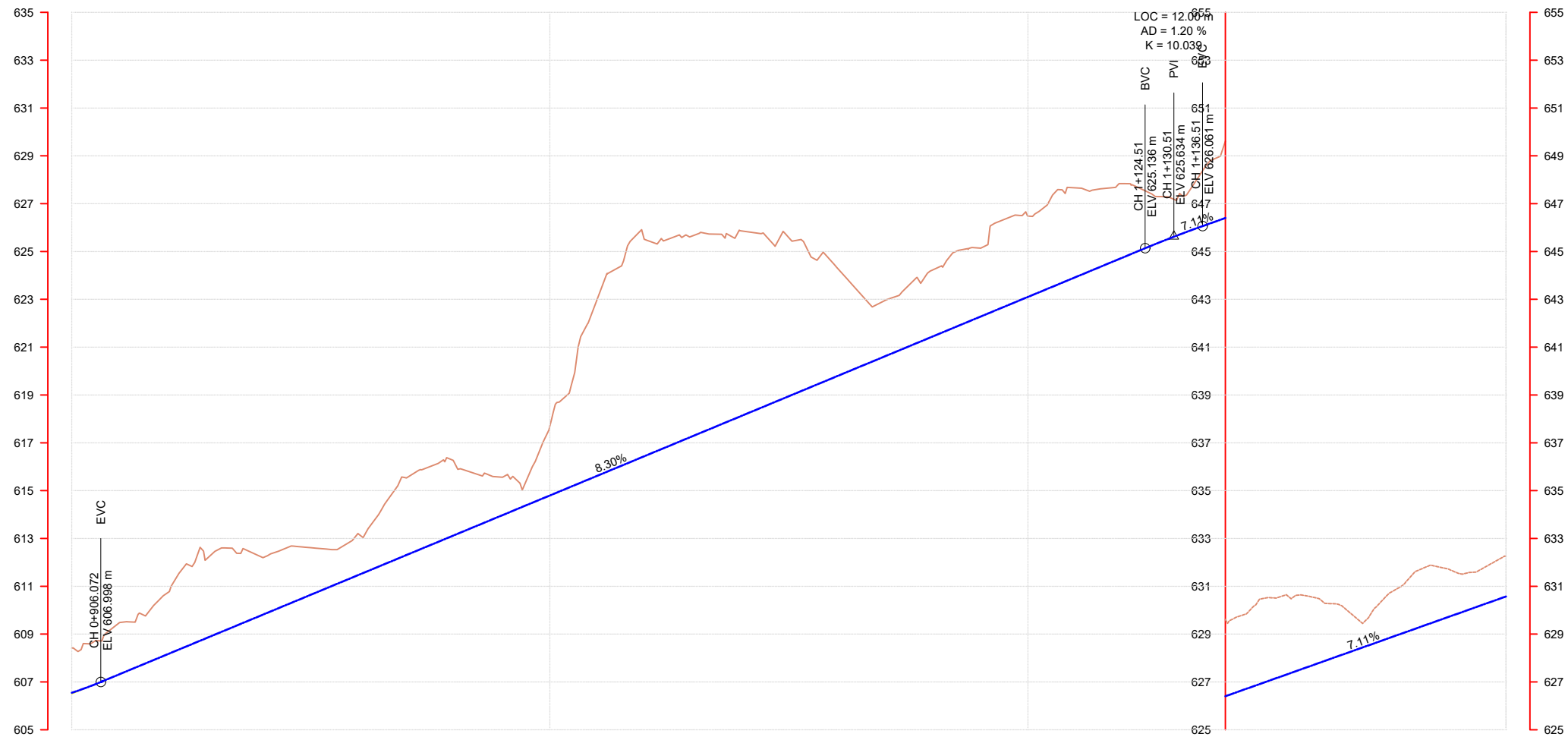
Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 PROFILE (600 TO 900 M) SHEET 4 OF 75					
 འབྲུག་རྒྱུ་ཁུངས་ལྟན་འགྲུལ་ Drak Green Consultancy		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-04			REV NA

NOTE:

- ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
- NO DIMENSION SHALL BE MEASURED FROM THE DRAWINGS. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
- ALL DIMENSIONS/DETAILS SHALL BE CHECKED ALONG WITH THE RELEVANT DRAWINGS BEFORE STARTING EXECUTION OF WORKS. DISCREPANCY, IF ANY, SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF PROJECT AUTHORITY/CONSULTANT FOR REVIEW.



SCALE 1 : 1000 




CHAINAGE : 0+900 - 1+200

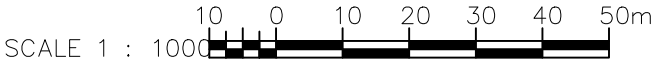
IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
34	321339.529	3018864.812
IP208	321355.049	3018874.856
35	321365.135	3018882.513
IP207	321376.456	3018888.071
36	321391.036	3018901.921
37	321393.417	3018931.090
IP209	321401.815	3018942.740
38	321417.087	3019009.348
39	321422.274	3019023.942
40	321437.328	3019053.018
41	321445.984	3019061.535
42	321459.210	3019098.306
43	321446.122	3019114.094
IP210	321437.918	3019119.078

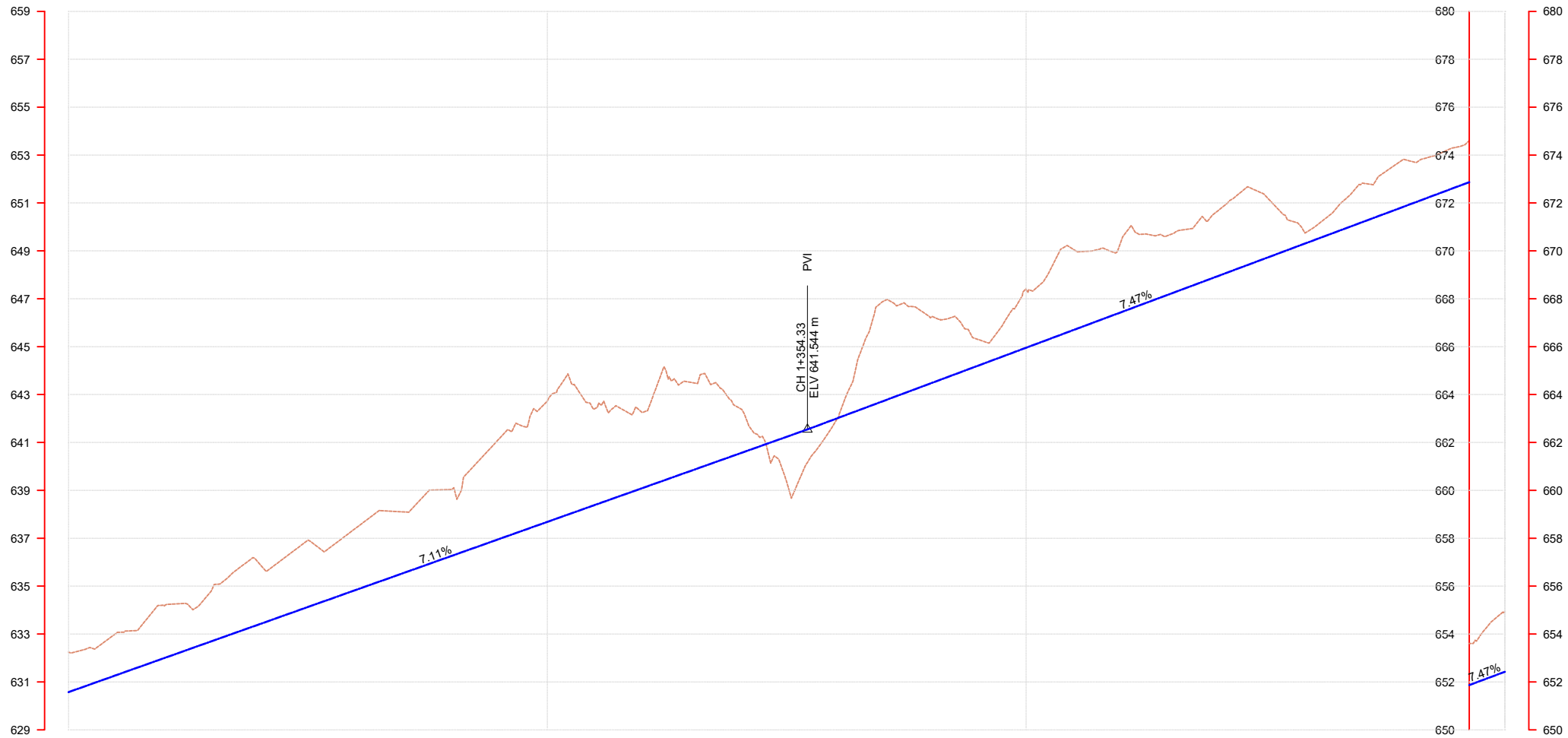
DESIGN LEVEL(m)	606.546																																607.324																																608.154																																608.985																																609.815																																610.645																																611.476																																612.306																																613.136																																613.967																																614.797																																615.627																																616.458																																617.288																																618.118																																618.949																																619.779																																620.610																																621.440																																622.270																																623.101																																623.931																																624.761																																625.577																																626.309																																627.019																																627.730																																628.441																																629.152																																629.863																																630.574																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						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Rev	Modification	Drawn:	Checked:	Recommended:	Approved:		
Client: DORJILUNG HYDROPOWER PROJECT							
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN							
Title: DORJILUNG ROAD ADIT 4 PROFILE (900 TO 1200M)							
SHEET 5 OF 75							
CONSULTANT: 	NAME	SIG.					
	Designed						
	Drawn						
	Checked						
	Approved						
Issued Date		NOV 2024					
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-05			REV NA		

- NOTE:
- ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
 - NO DIMENSION SHALL BE MEASURED FROM THE DRAWINGS. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
 - ALL DIMENSIONS/DETAILS SHALL BE CHECKED ALONG WITH THE RELEVANT DRAWINGS BEFORE STARTING EXECUTION OF WORKS. DISCREPANCY, IF ANY, SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF PROJECT AUTHORITY/CONSULTANT FOR REVIEW.






CHAINAGE : 1+200 - 1+500

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
IP210	321437.918	3019119.078
IP211	321423.592	3019132.992
44	321417.593	3019144.493
45	321411.914	3019181.817
IP212	321405.684	3019210.056
46	321399.345	3019225.782
47	321362.887	3019240.954
48	321368.704	3019267.268
49	321386.812	3019266.022
50	321414.329	3019272.671
51	321436.971	3019267.484
IP213	321449.671	3019265.199
IP214	321461.568	3019275.696
52	321475.688	3019287.841

DESIGN LEVEL(m)	630.574		631.284		631.995		632.706		633.417		634.128		634.839		635.549		636.260		636.971		637.682		638.393		639.103		639.814		640.525		641.236		641.967		642.714		643.461		644.208		644.954		645.701		646.448		647.195		647.942		648.688		649.435		650.182		650.929		651.676		652.422																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
EXISTING LEVEL(m)	632.249		633.038		634.164		634.875		635.908		636.917		637.421		638.099		639.035		641.164		642.723		642.418		642.254		643.509		642.448		639.356		641.811		646.876		646.207		645.298		647.393		649.048		649.491		649.672		650.664		651.301		649.963		651.785		652.762		653.332		654.940																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
CHAINAGE(Km)	1+200		1+210		1+220		1+230		1+240		1+250		1+260		1+270		1+280		1+290		1+300		1+310		1+320		1+330		1+340		1+350		1+360		1+370		1+380		1+390		1+400		1+410		1+420		1+430		1+440		1+450		1+460		1+470		1+480		1+490		1+500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
HORIZONTAL SCHEMATIC	L=19.971		L=12.972		L=37.754				L=28.918		L=11.930		L=9.519 R=12		L=24.417		L=16.728 R=12		L=17.064 R=12		L=6.668		L=17.064 R=12		L=5.967 R=12		L=26.459		L=23.228		L=12.904		L=15.866		L=17.797		L=6.246 R=12		L=6.246 R=12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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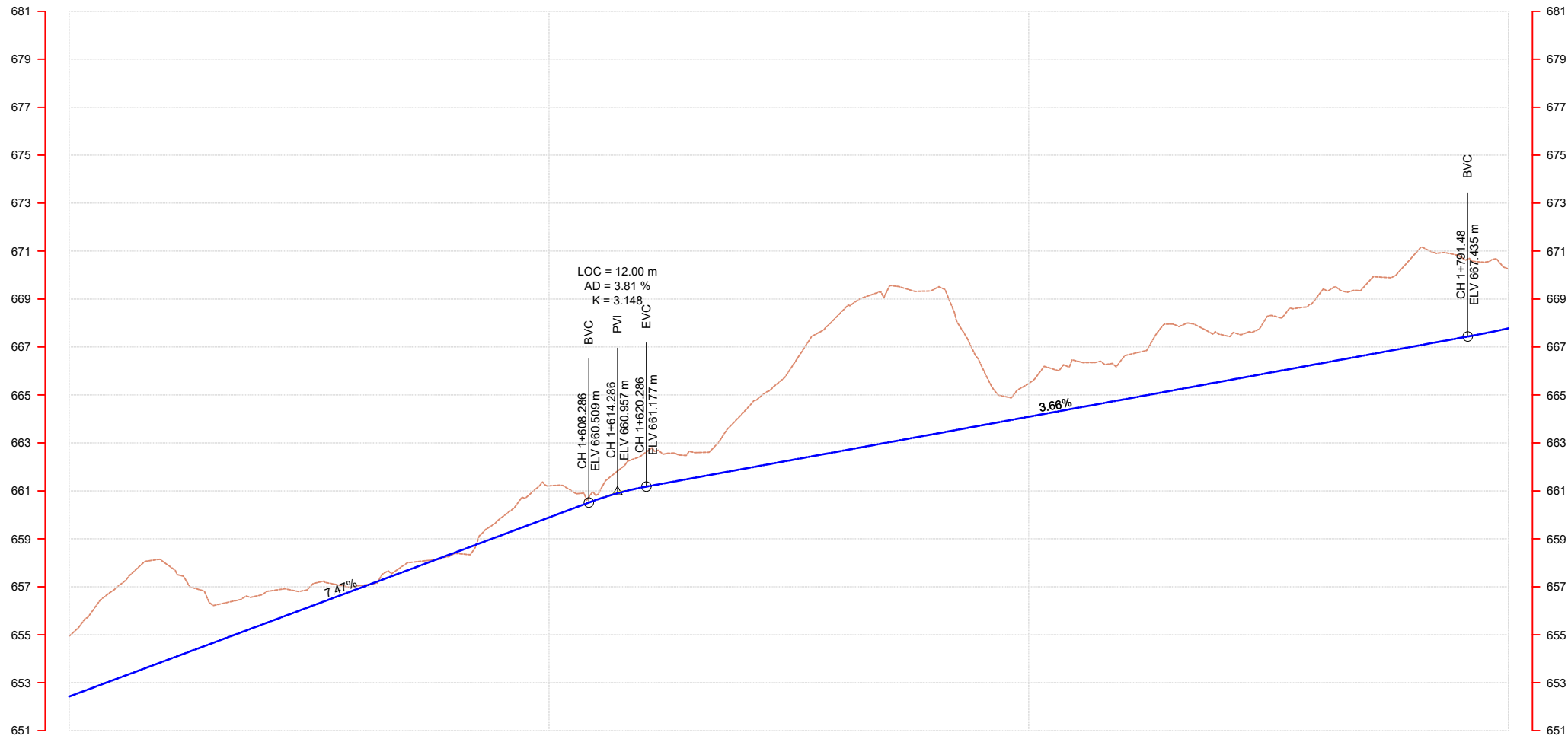
Rev					
	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 PROFILE (1200 TO 1500M)					
SHEET 6 OF 75					
CONSULTANT:  འགྲུལ་སྒོམ་ཚོད་དཔྱད་ལྟ་སྒྲིལ་། Druk Green Consultancy			NAME	SIG.	
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date		NOV 2024	
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-06			REV NA

NOTE:

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SCALE 1 : 1000



CHAINAGE : 1+500 - 1+800

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
52	321475.688	3019287.841
53	321535.277	3019355.395
54	321536.656	3019371.265
55	321544.642	3019384.026
56	321608.307	3019432.953
57	321622.447	3019466.278
58	321658.756	3019475.911
59	321701.817	3019485.791

DESIGN 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ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 PROFILE (1500 TO 1800M)					
SHEET 7 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-07			REV NA

- NOTE:
- ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
 - NO DIMENSION SHALL BE MEASURED FROM THE DRAWINGS. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
 - ALL DIMENSIONS/DETAILS SHALL BE CHECKED ALONG WITH THE RELEVANT DRAWINGS BEFORE STARTING EXECUTION OF WORKS. DISCREPANCY, IF ANY, SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF PROJECT AUTHORITY/CONSULTANT FOR REVIEW.



SCALE 1 : 1000



CHAINAGE : 1+800 - 2+100

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
59	321701.817	3019485.791
60	321711.200	3019511.052
IP215	321715.155	3019535.355
61	321727.031	3019565.345
IP216	321717.563	3019589.736
62	321715.299	3019599.699
63	321708.424	3019620.529
64	321705.707	3019635.514
65	321712.386	3019668.591
IP217	321747.687	3019677.802
IP218	321761.086	3019687.878
67	321766.469	3019698.396
IP217	321779.807	3019699.302
68	321801.749	3019698.725

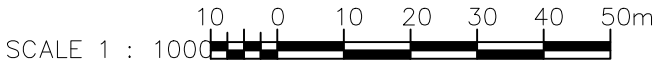
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HORIZONTAL SCHEMATIC	L=4.932																															
	L=11.875 R = 12																															
SUPER ELEVATION SCHEMATIC	1+800																															
	1+800																															
HORIZONTAL SCHEMATIC	L=20.473																															
	L=24.622																															
SUPER ELEVATION SCHEMATIC	1+820																															
	1+820																															
HORIZONTAL SCHEMATIC	L=32.256																															
	L=26.165																															
SUPER ELEVATION SCHEMATIC	1+840																															
	1+840																															
HORIZONTAL SCHEMATIC	L=26.253																															
	L=13.396 R = 12																															
SUPER ELEVATION SCHEMATIC	1+860																															
	1+860																															
HORIZONTAL SCHEMATIC	L=28.990																															
	L=16.765																															
SUPER ELEVATION SCHEMATIC	1+880																															
	1+880																															
HORIZONTAL SCHEMATIC	L=5.024																															
	L=12.360 R = 12																															
SUPER ELEVATION SCHEMATIC	1+900																															
	1+900																															
HORIZONTAL SCHEMATIC	L=6.577																															
	L=21.949																															
SUPER ELEVATION SCHEMATIC	1+920																															
	1+920																															
HORIZONTAL SCHEMATIC	L=21.936																															
	L=15.229																															
SUPER ELEVATION SCHEMATIC	1+940																															
	1+940																															
HORIZONTAL SCHEMATIC	L=26.253																															
	L=13.396 R = 12																															
SUPER ELEVATION SCHEMATIC	1+960																															
	1+960																															
HORIZONTAL SCHEMATIC	L=28.990																															
	L=16.765																															
SUPER ELEVATION SCHEMATIC	1+980																															
	1+980																															
HORIZONTAL SCHEMATIC	L=5.024																															
	L=12.360 R = 12																															
SUPER ELEVATION SCHEMATIC	1+1000																															
	1+1000																															

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 PROFILE (1800 TO 2100M) SHEET 8 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-08		REV NA	

NOTE:

- ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
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CHAINAGE : 2+100 - 2+400

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
68	321801.749	3019698.725
69	321812.370	3019730.588
70	321808.335	3019757.100
71	321822.291	3019786.101
IP219	321828.487	3019792.626
72	321830.236	3019820.908
73	321839.705	3019847.008
IP221	321850.778	3019858.534
IP220	321861.729	3019867.015
74	321882.806	3019888.092
75	321887.540	3019902.377
76	321890.545	3019910.816
77	321895.321	3019934.940
78	321911.005	3019952.312

DESIGN LEVEL(m)	685.773	686.722	687.670	688.619	689.568	690.517	691.466	692.415	693.363	694.312	695.261	696.210	697.159	698.067	698.801	699.392	699.973	700.554	701.135	701.715	702.296	702.877	703.458	704.038	704.619	705.200	705.780	706.361	706.942	707.523	708.103	
EXISTING LEVEL(m)	686.751	689.931	692.072	691.727	691.832	693.034	695.142	694.894	696.724	699.713	698.994	702.933	702.316	702.503	701.992	702.287	705.208	702.744	704.388	707.159	708.756	707.157	706.342	707.875	707.825	708.243	705.200	710.706	710.288	709.710	712.698	716.011
CHAINAGE(Km)	2+100	2+110	2+120	2+130	2+140	2+150	2+160	2+170	2+180	2+190	2+200	2+210	2+220	2+230	2+240	2+250	2+260	2+270	2+280	2+290	2+300	2+310	2+320	2+330	2+340	2+350	2+360	2+370	2+380	2+390	2+400	
HORIZONTAL SCHEMATIC	L=32.605		L=26.817		L=32.185		L=8.998		L=28.336		L=25.223		L=5.008 R=12		L=13.443		L=13.850		L=29.808		L=14.916		L=8.826		L=24.592		L=21.038		L=4.874 R=12		L=9.417	
	SE:4%																															
SUPER ELEVATION SCHEMATIC	2+400																															

ISSUED FOR CONSTRUCTION

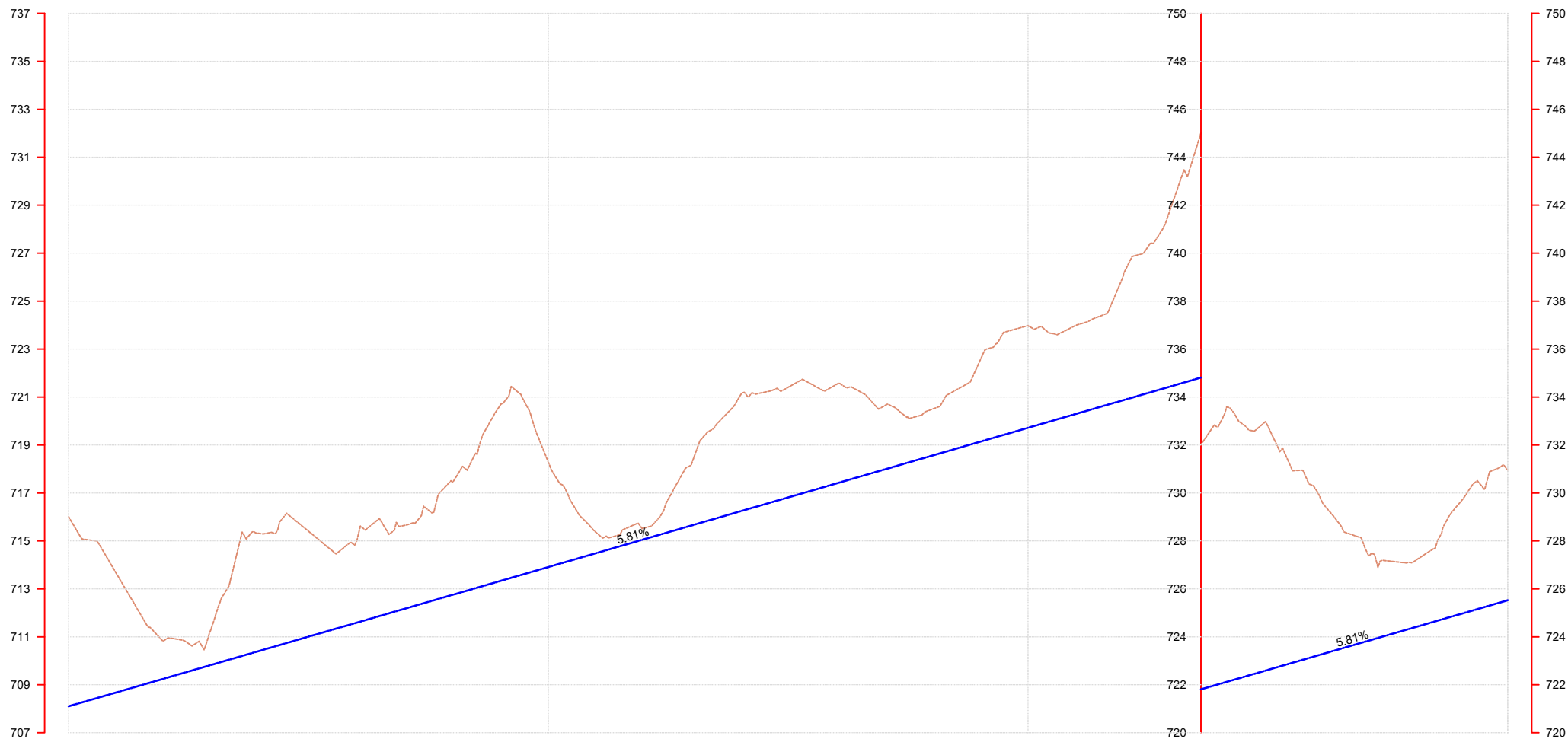
Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 PROFILE (2100 TO 2400 M) SHEET 9 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-09		REV NA	

NOTE:

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SCALE 1 : 1000




CHAINAGE : 2+400 - 2+700

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
78	321911.005	3019952.312
79	321925.455	3019992.532
80	321938.216	3020068.896
81	321927.431	3020165.432
82	321932.185	3020179.449
83	321954.127	3020199.086
84	321978.333	3020219.010
IP160	321983.520	3020239.573

DESIGN LEVEL(m)	708.103	708.684	709.265	709.846	710.426	711.007	711.588	712.169	712.749	713.330	713.911	714.491	715.072	715.653	716.234	716.814	717.395	717.976	718.557	719.137	719.718	720.299	720.879	721.460	722.041	722.622	723.202	723.783	724.364	724.945	725.525	
EXISTING LEVEL(m)	716.011	713.630	710.861	711.503	715.306	715.406	714.970	715.648	717.461	720.667	718.286	715.342	715.538	718.297	721.060	721.408	721.518	720.629	720.493	722.528	723.968	723.992	726.183	729.031	732.908	732.780	730.143	727.835	727.084	729.597	730.955	
CHAINAGE(Km)	2+400	2+410	2+420	2+430	2+440	2+450	2+460	2+470	2+480	2+490	2+500	2+510	2+520	2+530	2+540	2+550	2+560	2+570	2+580	2+590	2+600	2+610	2+620	2+630	2+640	2+650	2+660	2+670	2+680	2+690	2+700	
HORIZONTAL SCHEMATIC	L=30.953		L=75.751										L=92.792										L=12.129		L=29.445		L=27.408		L=7.620 R=12		L=15.319	
SUPER ELEVATION SCHEMATIC	SE:4%																															

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 PROFILE (2400 TO 2700M)					
SHEET 10 OF 75					
CONSULTANT:	NAME	SIG.			
	Designed				
	Drawn				
	Checked				
	Approved				
Issued Date		NOV 2024			
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-10		REV NA	

NOTE:

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SCALE 1 : 1000



CHAINAGE : 2+700 - 3+000

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
IP160	321983.520	3020239.573
85	321983.500	3020275.841
IP161	322022.937	3020289.673
86	322026.148	3020296.465
IP162	322047.926	3020394.360
IP164	322049.737	3020415.272
IP163	322057.147	3020434.703
87	322064.351	3020466.978
IP165	322072.255	3020486.079
88	322074.355	3020498.594

DESIGN LEVEL(m)	725.525		726.106		726.687		727.268		727.848		728.429		729.010		729.590		730.171		730.752		731.333		731.913		732.494		733.075		733.656		734.236		734.817		735.398		735.978		736.559		737.140		737.721		738.301		738.882		739.463		740.044		740.624		741.205		741.786		742.367		742.899																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
EXISTING LEVEL(m)	730.955		733.361		735.490		736.560		739.938		739.476		738.946		737.075		732.888		735.564		738.840		738.754		739.831		742.179		744.928		744.800		742.628		740.335		738.433		737.693		737.830		738.520		738.388		738.778		740.100		740.410		741.743		742.134		742.595		744.083																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
CHAINAGE(Km)	2+700		2+710		2+720		2+730		2+740		2+750		2+760		2+770		2+780		2+790		2+800		2+810		2+820		2+830		2+840		2+850		2+860		2+870		2+880		2+890		2+900		2+910		2+920		2+930		2+940		2+950		2+960		2+970		2+980		2+990		3+000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
HORIZONTAL SCHEMATIC	L=19.944		L=27.755				L = 14.808 R = 12		L=33.280				L=6.171 R=12		L=98.946										L=20.991		L=20.796		L=33.069		L=20.672		L=4.773 R = 12		L = 13.996 R = 12		L=6.171 R=12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
SUPER ELEVATION SCHEMATIC	SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE: 4%		SE	

ISSUED FOR CONSTRUCTION

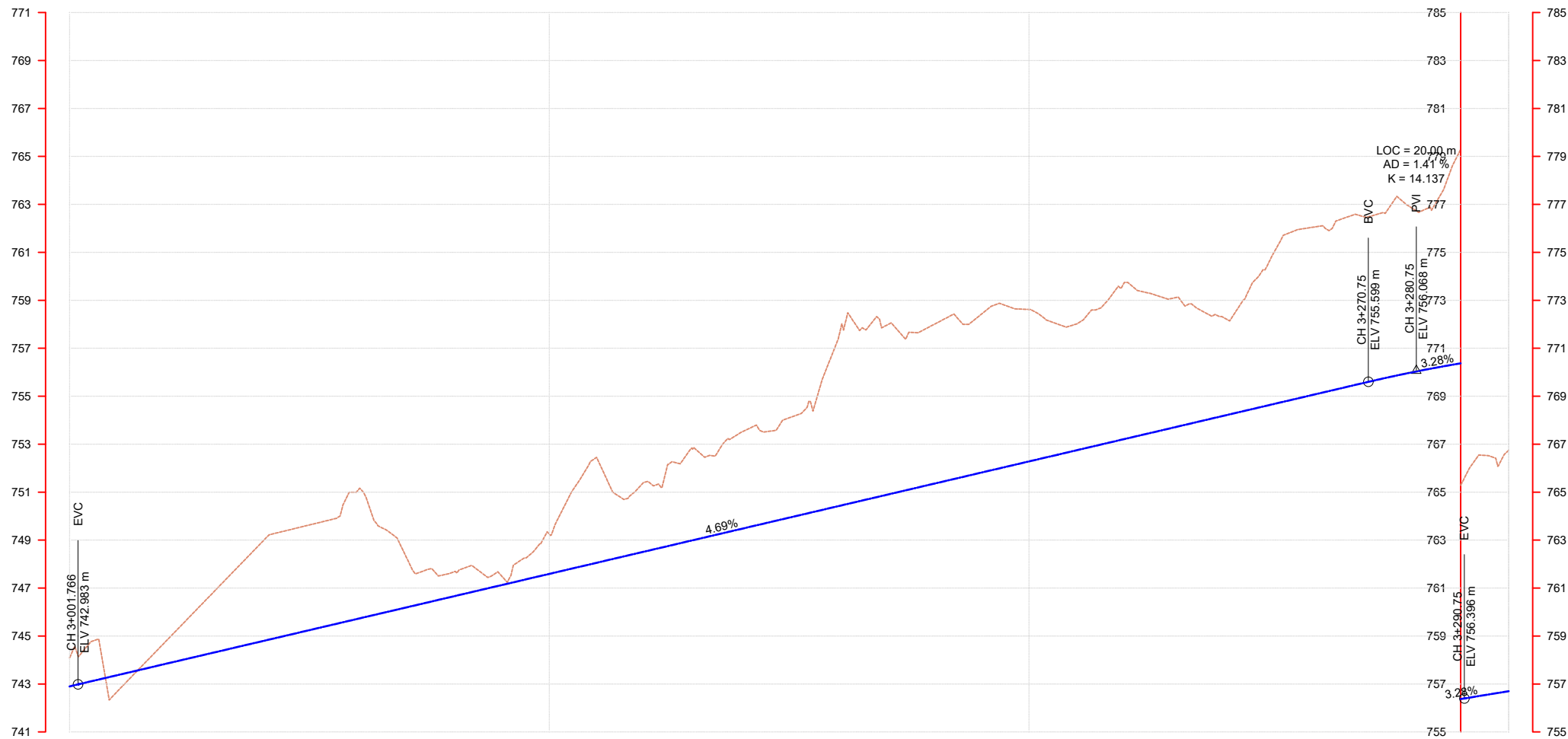
Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 PROFILE (2700 TO 3000M)					
SHEET 11 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-11			REV NA

NOTE:

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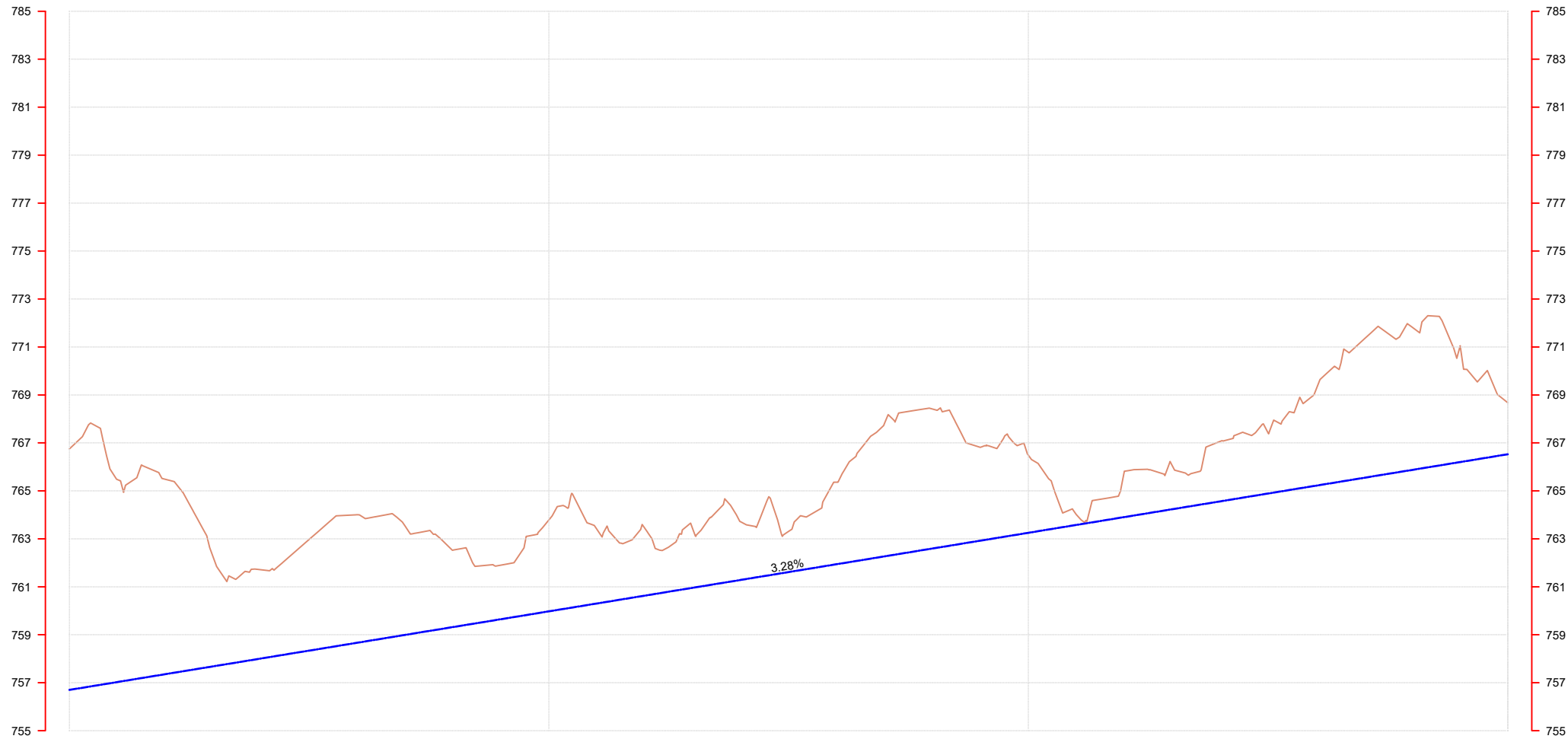
SCALE 1 : 1000



CHAINAGE : 3+000 - 3+300

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
88	322074.355	3020498.594
89	322090.286	3020502.463
90	322103.789	3020532.762
91	322116.303	3020560.138
92	322122.808	3020588.008
93	322120.996	3020601.758
94	322099.713	3020620.200
95	322118.568	3020638.067
IP166	322143.597	3020640.701
96	322161.546	3020653.875
97	322177.436	3020670.094
IP168	322196.290	3020676.187
IP169	322213.333	3020684.050
IP167	322223.666	3020691.542
98	322234.863	3020695.576

DESIGN LEVEL(m)	742.899																														743.369																														743.838																														744.307																														744.776																														745.245																														745.714																														746.183																														746.652																														747.121																														747.590																														748.059																														748.528																														748.998																														749.467																														749.936																														750.405																														750.874																														751.343																														751.812																														752.281																														752.750																														753.219																														753.688																														754.157																														754.626																														755.095																														755.564																														756.033																														756.502																														756.969																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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12</div></div>																														<div><div></div><div>L=12.733</div></div>																														<div><div></div><div>L=25.168</div></div>																														<div><div></div><div>L=22.264</div></div>																														<div><div></div><div>L=22.706</div></div>																														<div><div></div><div>L=19.814</div></div>																														<div><div></div><div>L=18.769</div></div>																														<div><div></div><div>L=12.763</div></div>																														<div><div></div><div>L=11.902</div></div>																														<div><div></div><div>L=48.19</div></div>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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CHAINAGE : 3+300 - 3+600

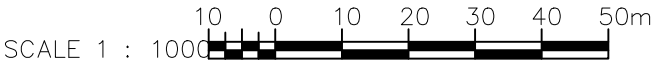
IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
98	322234.863	3020695.576
99	322247.172	3020704.510
100	322255.817	3020726.698
101	322251.207	3020752.716
102	322249.601	3020795.488
IP170	322255.611	3020814.919
103	322256.270	3020828.751
104	322259.728	3020836.490
105	322277.677	3020849.993
IP171	322295.379	3020859.790
106	322308.552	3020876.092
IP172	322308.099	3020889.513
107	322322.137	3020923.516
108	322326.089	3020950.192

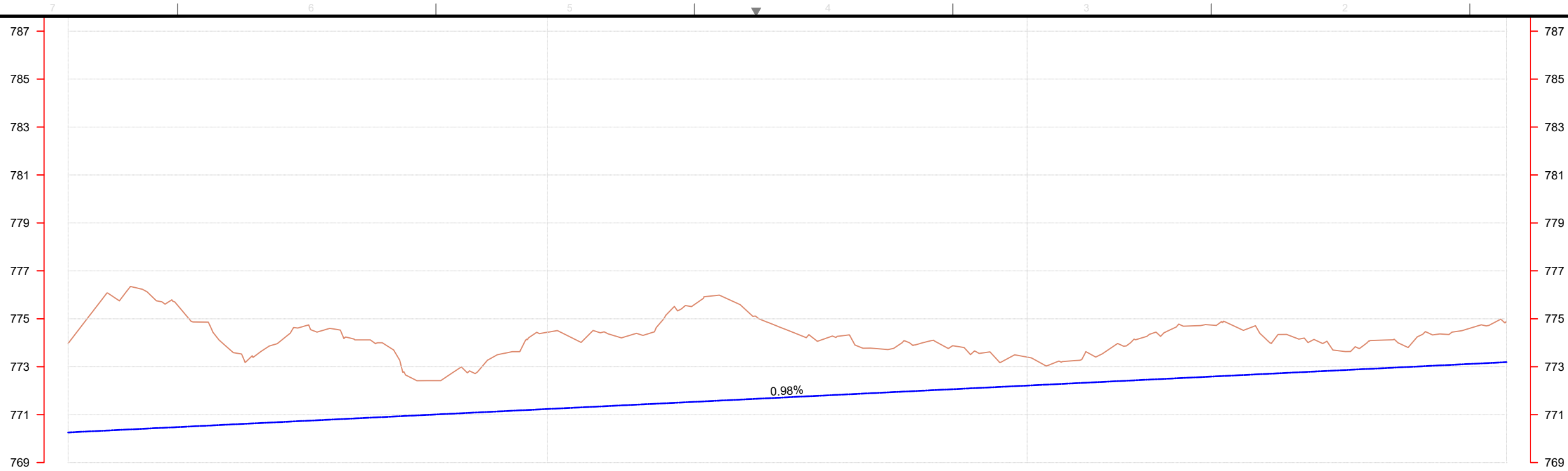
DESIGN LEVEL(m)	756.699																																757.026	757.354	757.682	758.009	758.337	758.664	758.992	759.319	759.647	759.975	760.302	760.630	760.957	761.285	761.612	761.940	762.268	762.595	762.923	763.250	763.578	763.905	764.233	764.561	764.888	765.216	765.543	765.871	766.198	766.526																																		
EXISTING LEVEL(m)	766.747																																765.471	765.484	762.229	761.709	762.973	764.002	763.535	762.527	761.902	763.784	763.400	763.445	763.415	763.708	763.309	765.360	767.812	768.412	766.815	766.490	764.012	765.785	766.056	767.064	767.424	769.217	771.323	771.834	770.992	768.668																																		
CHAINAGE(Km)	3+300																																3+310	3+320	3+330	3+340	3+350	3+360	3+370	3+380	3+390	3+400	3+410	3+420	3+430	3+440	3+450	3+460	3+470	3+480	3+490	3+500	3+510	3+520	3+530	3+540	3+550	3+560	3+570	3+580	3+590	3+600																																		
HORIZONTAL SCHEMATIC	L=8.865		L=6.858 R=12		L=20.288		L=26.423				L=42.802				L=20.339		L=11.586		L=4.311 R=12		L=6.215		L=22.461		L=20.232		L=16.488		L=8.561 R=12		L=8.956		L=36.787				L=22.971		L=7.716 R=12		L=9.982																																																							
SUPER ELEVATION SCHEMATIC	3+300																																SE:4%																																3+600																															

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 PROFILE (3300 TO 3600 M) SHEET 13 OF 73					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-13		REV NA	

- NOTE:
- ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
 - NO DIMENSION SHALL BE MEASURED FROM THE DRAWINGS. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
 - ALL DIMENSIONS/DETAILS SHALL BE CHECKED ALONG WITH THE RELEVANT DRAWINGS BEFORE STARTING EXECUTION OF WORKS. DISCREPANCY, IF ANY, SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF PROJECT AUTHORITY/CONSULTANT FOR REVIEW.






DESIGN LEVEL(m)	770.259		770.356		770.454		770.552		770.650		770.748		770.845		770.943		771.041		771.139		771.236		771.334		771.432		771.530		771.627		771.725		771.823		771.921		772.018		772.116		772.214		772.312		772.409		772.507		772.605		772.703		772.800		772.898		772.996		773.094		773.191	
EXISTING LEVEL(m)	773.974		775.844		775.643		774.535		773.604		774.736		774.118		772.789		772.725		773.521		774.440		774.478		774.313		775.513		775.606		774.528		774.232		773.733		774.088		773.557		773.402		773.255		773.867		774.553		774.802		774.120		774.124		773.862		773.925		774.484		774.896	
CHAINAGE(Km)	3+900		3+910		3+920		3+930		3+940		3+950		3+960		3+970		3+980		3+990		4+000		4+010		4+020		4+030		4+040		4+050		4+060		4+070		4+080		4+090		4+100		4+110		4+120		4+130		4+140		4+150		4+160		4+170		4+180		4+190		4+200	
HORIZONTAL SCHEMATIC	L=21.127		L = 9.240 R = 12		L=34.840		L=45.568						L=8.067		L=19.938		L=38.780				L=34.337				L=85.374																																					
SUPER ELEVATION SCHEMATIC	SE:4%																																																													

CHAINAGE : 3+900 - 4+200

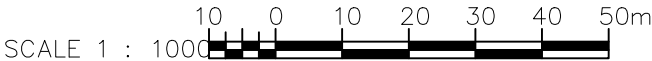
IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
116	322342.967	3021208.719
117	322331.276	3021252.191
IP125	322350.562	3021286.895
IP38	322388.086	3021315.094
IP175	322394.158	3021322.319
IP176	322399.592	3021341.502
IP177	322405.767	3021379.787
IP134	322413.259	3021413.297
IP126	322434.440	3021524.468

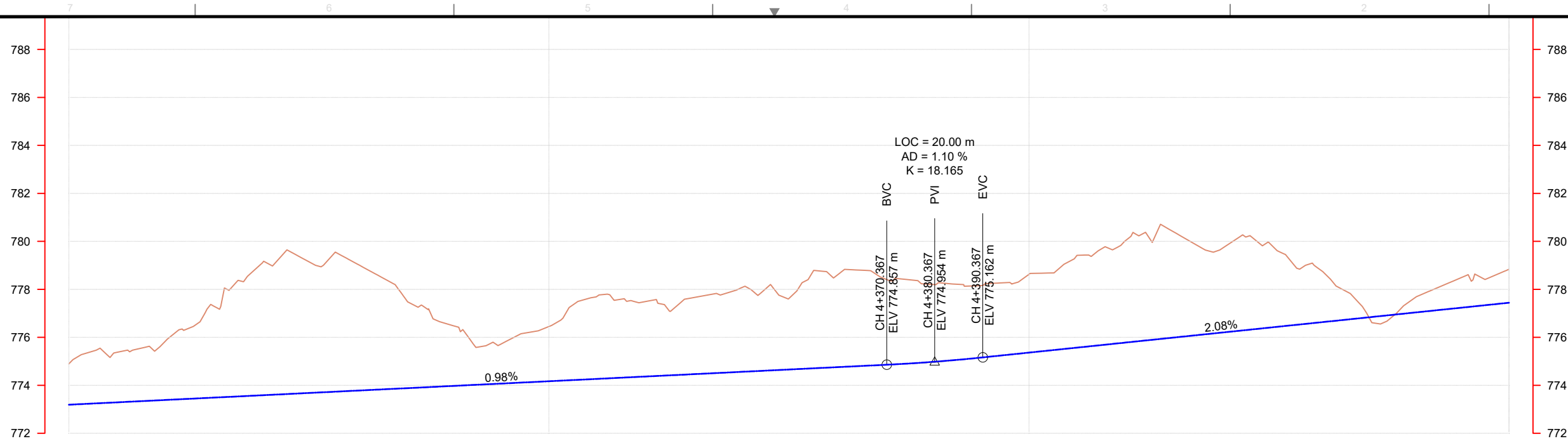
ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: <div>DORJILUNG HYDROPOWER PROJECT</div>					
Project: <div>DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN</div>					
Title: <div>DORJILUNG ROAD ADIT 4 PROFILE (3900 TO 4200M)</div>					
SHEET 15 OF 75					
CONSULTANT: <div><div>འགྲོ་ཁྲིལ་གྲྭ་ལྟགས་ལེགས་སྐྱོང་སྒྲིག་འཛུགས་ལ.སྒྲིག་འཛུགས་ལ</div></div>					

NOTE:

- ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
- NO DIMENSION SHALL BE MEASURED FROM THE DRAWINGS. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
- ALL DIMENSIONS/DETAILS SHALL BE CHECKED ALONG WITH THE RELEVANT DRAWINGS BEFORE STARTING EXECUTION OF WORKS. DISCREPANCY, IF ANY, SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF PROJECT AUTHORITY/CONSULTANT FOR REVIEW.





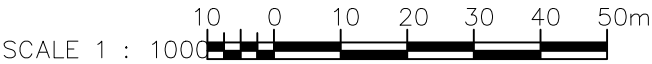
DESIGN LEVEL(m)	773.191		773.289		773.387		773.485		773.582		773.680		773.778		773.876		773.973		774.071		774.169		774.267		774.364		774.462		774.560		774.658		774.755		774.853		774.976		775.155		775.363		775.570		775.778		775.986		776.194		776.402		776.610		776.817		777.025		777.233		777.441	
EXISTING LEVEL(m)	774.896		775.373		775.820		777.321		779.046		779.148		779.062		777.638		776.489		775.718		776.448		777.705		777.486		777.651		778.056		777.620		778.584		778.438		778.201		778.153		778.626		779.414		780.011		780.411		779.673		779.944		778.914		777.114		777.593		778.485		778.835	
CHAINAGE(Km)	4+200		4+210		4+220		4+230		4+240		4+250		4+260		4+270		4+280		4+290		4+300		4+310		4+320		4+330		4+340		4+350		4+360		4+370		4+380		4+390		4+400		4+410		4+420		4+430		4+440		4+450		4+460		4+470		4+480		4+490		4+500	
HORIZONTAL SCHEMATIC			L=27.796				L=40.169				L=43.157				L=37.955				L=36.625				L=26.677				L=24.469				L=12.974				L=32.291				L=27.887																							
SUPER ELEVATION SCHEMATIC	4+200		SE:4%																																																4+500											

CHAINAGE : 4+200 - 4+500


IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
IP126	322434.440	3021524.468
IP135	322438.803	3021564.399
IP136	322450.659	3021605.895
IP137	322470.090	3021638.499
IP121	322470.810	3021675.117
IP178	322470.563	3021701.793
IP39	322473.548	3021727.584
IP120	322469.081	3021761.073
IP179	322441.417	3021756.298

NOTE:

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- ALL DIMENSIONS/DETAILS SHALL BE CHECKED ALONG WITH THE RELEVANT DRAWINGS BEFORE STARTING EXECUTION OF WORKS. DISCREPANCY, IF ANY, SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF PROJECT AUTHORITY/CONSULTANT FOR REVIEW.



ISSUED FOR CONSTRUCTION

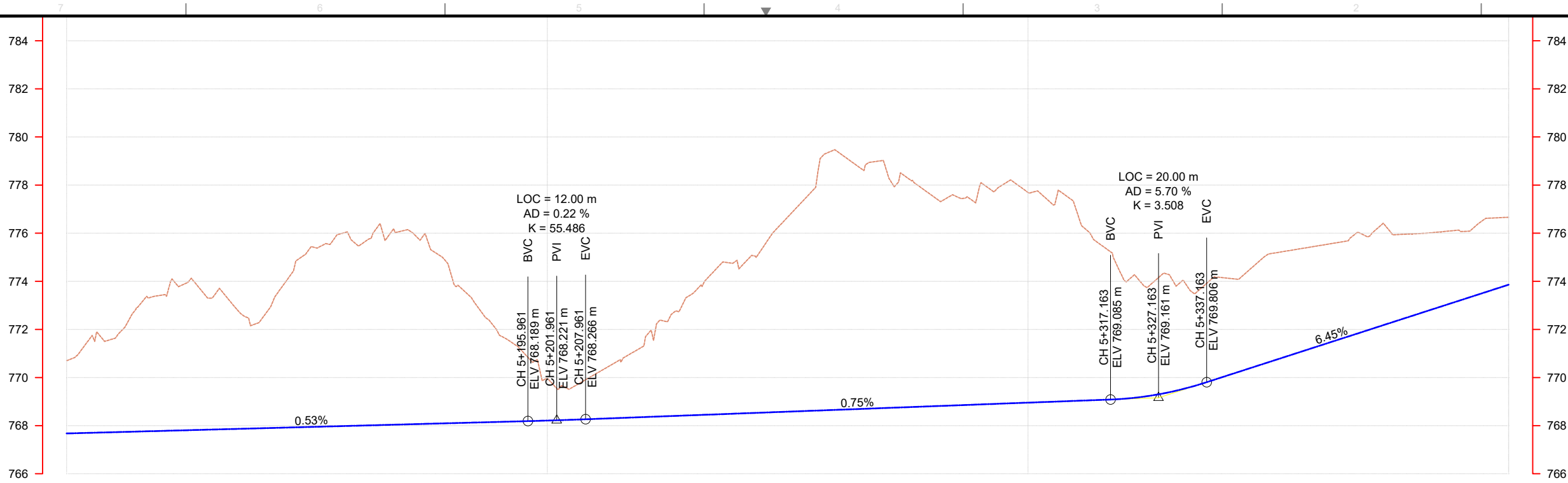
Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 PROFILE (4200 TO 4500 M) SHEET 16 OF 75					
CONSULTANT: 		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date: NOV 2024			
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-16			REV NA



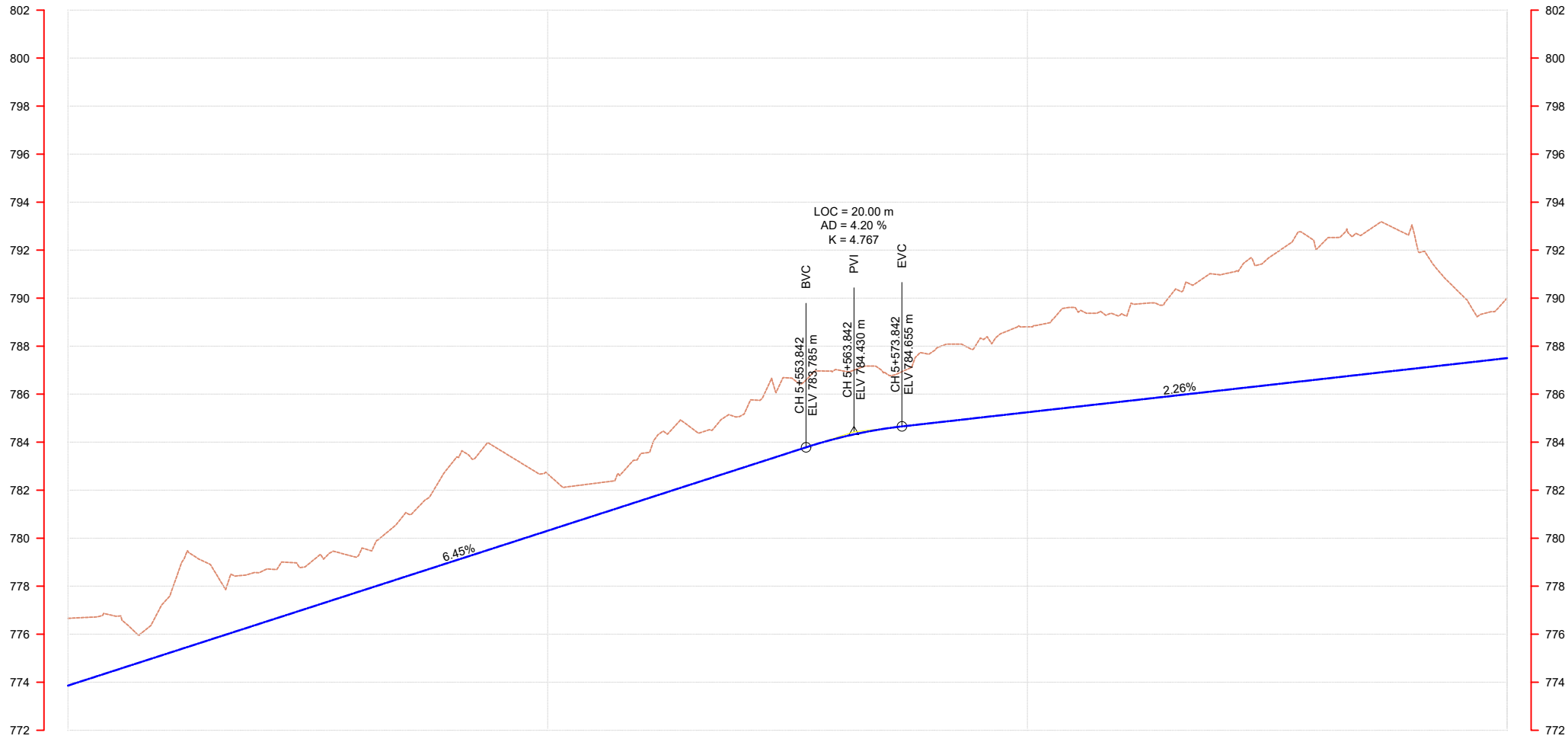
CHAINAGE : 4+800 - 5+100

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
IP40	322164.139	3021711.035
IP140	322117.127	3021717.457
IP141	322092.015	3021722.479
IP183	322082.382	3021725.526
IP185	322072.379	3021726.308
IP184	322062.416	3021727.419
IP143	322038.684	3021730.671
IP142	322028.927	3021737.340
IP144	322001.263	3021749.690
IP186	321997.599	3021753.231
IP188	321983.479	3021760.517
IP187	321972.693	3021770.768
IP145	321950.155	3021788.593
IP41	321923.191	3021803.001
IP146	321892.974	3021799.379

DESIGN LEVEL(m)	782.471		781.837		781.204		780.571		779.938		779.305		778.671		778.038		777.405		776.772		776.139		775.506		774.872		774.239		773.606		772.973		772.340		771.706		771.073		770.440		769.807		769.174		768.541		767.907		767.274		766.641		766.008		765.375		764.742		764.109		763.479		762.846		762.213		761.580		760.947		760.314		759.681		759.048		758.415		757.782		757.149		756.516		755.883		755.250		754.617		753.984		753.351		752.718		752.085		751.452		750.819		750.186		749.553		748.920		748.287		747.654		747.021		746.388		745.755		745.122		744.489		743.856		743.223		742.590		741.957		741.324		740.691		740.058		739.425		738.792		738.159		737.526		736.893		736.260		735.627		734.994		734.361		733.728		733.095		732.462		731.829		731.196		730.563		729.930		729.297		728.664		728.031		727.398		726.765		726.132		725.499		724.866		724.233		723.600		722.967		722.334		721.701		721.068		720.435		719.802		719.169		718.536		717.903		717.270		716.637		716.004		715.371		714.738		714.105		713.472		712.839		712.206		711.573		710.940		710.307		709.674		709.041		708.408		707.775		707.142		706.509		705.876		705.243		704.610		703.977		703.344		702.711		702.078		701.445		700.812		700.179		699.546		698.913		698.280		697.647		697.014		696.381		695.748		695.115		694.482		693.849		693.216		692.583		691.950		691.317		690.684		690.051		689.418		688.785		688.152		687.519		686.886		686.253		685.620		684.987		684.354		683.721		683.088		682.455		681.822		681.189		680.556		679.923		679.290		678.657		678.024		677.391		676.758		676.125		675.492		674.859		674.226		673.593		672.960		672.327		671.694		671.061		670.428		669.795		669.162		668.529		667.896		667.263		666.630		665.997		665.364		664.731		664.098		663.465		662.832		662.199		661.566		660.933		660.300		659.667		659.034		658.401		657.768		657.135		656.502		655.869		655.236		654.603		653.970		653.337		652.704		652.071		651.438		650.805		650.172		649.539		648.906		648.273		647.640		647.007		646.374		645.741		645.108		644.475		643.842		643.209		642.576		641.943		641.310		640.677		640.044		639.411		638.778		638.145		637.512		636.879		636.246		635.613		634.980		634.347		633.714		633.081		632.448		631.815		631.182		630.549		629.916		629.283		628.650		628.017		627.384		626.751		626.118		625.485		624.852		624.219		623.586		622.953		622.320		621.687		621.054		620.421		619.788		619.155		618.522		617.889		617.256		616.623		615.990		615.357		614.724		614.091		613.458		612.825		612.192		611.559		610.926		610.293		609.660		609.027		608.394		607.761		607.128		606.495		605.862		605.229		604.596		603.963		603.330		602.697		602.064		601.431		600.798		600.165		599.532		598.899		598.266		597.633		597.000		596.367		595.734		595.101		594.468		593.835		593.202		592.569		591.936		591.303		590.670		590.037		589.404		588.771		588.138		587.505		586.872		586.239		585.606		584.973		584.340		583.707		583.074		582.441		581.808		581.175		580.542		579.909		579.276		578.643		578.010		577.377		576.744		576.111		575.478		574.845		574.212		573.579		572.946		572.313		571.680		571.047		570.414		569.781		569.148		568.515		567.882		567.249		566.616		565.983		565.350		564.717		564.084		563.451		562.818		562.185		561.552		560.919		560.286		559.653		559.020		558.387		557.754		557.121		556.488		555.855		555.222		554.589		553.956		553.323		552.690		552.057		551.424		550.791		550.158		549.525		548.892		548.259		547.626		546.993		546.360		545.727		545.094		544.461		543.828		543.195		542.562		541.929		541.296		540.663		540.030		539.397		538.764		538.131		537.498		536.865		536.232		535.599		534.966		534.333		533.700		533.067		532.434		531.801		531.168		530.535		529.902		529.269		528.636		528.003		527.370		526.737		526.104		525.471		524.838		524.205		523.572		522.939		522.306		521.673		521.040		520.407		519.774		519.141		518.508		517.875		517.242		516.609		515.976		515.343		514.710		514.077		513.444		512.811		512.178		511.545		510.912		510.279		509.646		509.013		508.380		507.747		507.114		506.481		505.848		505.215		504.582		503.949		503.316		502.683		502.050		501.417		500.784		500.151		499.518		498.885		498.252		497.619		496.986		496.353		495.720		495.087		494.454		493.821		493.188		492.555		491.922		491.289		490.656		490.023		489.390		488.757		488.124		487.491		486.858		486.225		485.592		484.959		484.326		483.693		483.060		482.427		481.794		481.161		480.528		479.895		479.262		478.629		477.996		477.363		476.730		476.097		475.464		474.831		474.198		473.565		472.932		472.299		471.666		471.033		470.400		469.767		469.134		468.501		467.868		467.235		466.602		465.969		465.336		464.703		464.070		463.437		462.804		462.171		461.538		460.905		460.272		459.639		459.006		458.373		457.740		457.107		456.474		455.841		455.208		454.575		453.942		453.309		452.676		452.043		451.410		450.777		450.144		449.511		448.878		448.245		447.612		446.979		446.346		445.713		445.080		444.447		443.814		443.181		442.548		441.915		441.282		440.649		440.016		439.383		438.750		438.117		437.484		436.851		436.218		435.585		434.952		434.319		433.686		433.053		432.420		431.787		431.154		430.521		429.888		429.255		428.622		427.989		427.356		426.723		426.090		425.457		424.824		424.191		423.558		422.925		422.292		421.659		421.026		420.393		419.760		419.127		418.494		417.861		417.228		416.595		415.962		415.329		414.696		414.063		413.430		412.797		412.164		411.531		410.898		410.265		409.632		408.999		408.366		407.733		407.100		406.467		405.834		405.201		404.568		403.935		403.302		402.669		402.036		401.403		400.770		400.137		399.504		398.871		398.238		397.605		396.972		396.339		395.706		395.073		394.440		393.807		393.174		392.541		391.908		391.275		390.642		390.009		389.376		388.743		388.110		387.477		386.844		386.211		385.578		384.945		384.312		383.679		383.046		382.413		381.780		381.147		380.514		379.881		379.248		378.615		377.982		377.349		376.716		376.083		375.450		374.817		374.184		373.551		372.918		372.285		371.652		371.019		370.386		369.753		369.120		368.487		367.854		367.221		366.588		365.955		365.322		364.689		364.056		363.423		362.790		362.157		361.524		360.891		360.258		359.625		358.992		358.359		357.726		357.093		356.460		355.827		355.194		354.561		353.928		353.295		352.662		352.029		351.396		350.763		350.130		349.497		348.864		348.231		347.598		346.965		346.332		345.699		345.066		344.433		343.800		343.167		342.534		341.901		341.268		340.635		340.002		339.369		338.736		338.103		337.470		336.837		336.204		335.571		334.938		334.305		333.672		333.039		332.406		331.773		331.140		330.507		329.874		329.241		328.608		327.975		327.342		326.709		326.076		325.443		324.810		324.177		323.544		322.911		322.278		321.645		321.012		320.379		319.746		319.113		318.480		317.847		317.214		316.581		315.948		315.315		314.682		314.049		313.416		312.783		312.150		311.517		310.884		310.251		309.618		308.985		308.352		307.719		307.086		306.453		305.820		305.187		304.554		303.921		303.288		302.655		302.022		301.389		300.756		300.123		299.490		298.857		298.224		297.591		296.958		296.325		295.692		295.059		294.426		293.793		293.160		292.527		291.894		291.261		290.628		290.000		289.372		288.744		288.116		287.488		286.860		286.232		285.604		285.000		284.396		283.792		283.188		282.584		281.980		281.376		280.772		280.168		279.564		278.960		278.356		277.752		277.148		276.544		275.940		275.336		274.732		274.128		273.524		272.920		272.316		271.712		271.108		270.504		269.900		269.296		268.692		268.088		267.484		266.880		266.276		265.672		265.068		264.464		263.860		263.256		262.652		262.04	
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DESIGN LEVEL(m)	767.676	767.730	767.783	767.837	767.890	767.943	767.997	768.050	768.104	768.157	768.212	768.266	768.319	768.372	768.425	768.478	768.531	768.584	768.637	768.690	768.743	768.796	768.849	768.902	768.955	769.008	769.061	769.114	769.167	769.220	769.273	769.326	769.379	769.432	769.485	769.538	769.591	769.644	769.697	769.750	769.803	769.856	769.909	769.962	770.015	770.068	770.121	770.174	770.227	770.280	770.333	770.386	770.439	770.492	770.545	770.598	770.651	770.704	770.757	770.810	770.863	770.916	770.969	771.022	771.075	771.128	771.181	771.234	771.287	771.340	771.393	771.446	771.499	771.552	771.605	771.658	771.711	771.764	771.817	771.870	771.923	771.976	772.029	772.082	772.135	772.188	772.241	772.294	772.347	772.400	772.453	772.506	772.559	772.612	772.665	772.718	772.771	772.824	772.877	772.930	772.983	773.036	773.089	773.142	773.195	773.248	773.301	773.354	773.407	773.460	773.513	773.566	773.619	773.672	773.725	773.778	773.831	773.884	773.937	773.990	774.043	774.096	774.149	774.202	774.255	774.308	774.361	774.414	774.467	774.520	774.573	774.626	774.679	774.732	774.785	774.838	774.891	774.944	774.997	775.050	775.103	775.156	775.209	775.262	775.315	775.368	775.421	775.474	775.527	775.580	775.633	775.686	775.739	775.792	775.845	775.898	775.951	776.004	776.057	776.110	776.163	776.216	776.269	776.322	776.375	776.428	776.481	776.534	776.587	776.640	776.693	776.746	776.799	776.852	776.905	776.958	777.011	777.064	777.117	777.170	777.223	777.276	777.329	777.382	777.435	777.488	777.541	777.594	777.647	777.700	777.753	777.806	777.859	777.912	777.965	778.018	778.071	778.124	778.177	778.230	778.283	778.336	778.389	778.442	778.495	778.548	778.601	778.654	778.707	778.760	778.813	778.866	778.919	778.972	779.025	779.078	779.131	779.184	779.237	779.290	779.343	779.396	779.449	779.502	779.555	779.608	779.661	779.714	779.767	779.820	779.873	779.926	779.979	780.032	780.085	780.138	780.191	780.244	780.297	780.350	780.403	780.456	780.509	780.562	780.615	780.668	780.721	780.774	780.827	780.880	780.933	780.986	781.039	781.092	781.145	781.198	781.251	781.304	781.357	781.410	781.463	781.516	781.569	781.622	781.675	781.728	781.781	781.834	781.887	781.940	781.993	782.046	782.099	782.152	782.205	782.258	782.311	782.364	782.417	782.470	782.523	782.576	782.629	782.682	782.735	782.788	782.841	782.894	782.947	783.000	783.053	783.106	783.159	783.212	783.265	783.318	783.371	783.424	783.477	783.530	783.583	783.636	783.689	783.742	783.795	783.848	783.901	783.954	784.007	784.060	784.113	784.166	784.219	784.272	784.325	784.378	784.431	784.484	784.537	784.590	784.643	784.696	784.749	784.802	784.855	784.908	784.961	785.014	785.067	785.120	785.173	785.226	785.279	785.332	785.385	785.438	785.491	785.544	785.597	785.650	785.703	785.756	785.809	785.862	785.915	785.968	786.021	786.074	786.127	786.180	786.233	786.286	786.339	786.392	786.445	786.498	786.551	786.604	786.657	786.710	786.763	786.816	786.869	786.922	786.975	787.028	787.081	787.134	787.187	787.240	787.293	787.346	787.399	787.452	787.505	787.558	787.611	787.664	787.717	787.770	787.823	787.876	787.929	787.982	788.035	788.088	788.141	788.194	788.247	788.300	788.353	788.406	788.459	788.512	788.565	788.618	788.671	788.724	788.777	788.830	788.883	788.936	788.989	789.042	789.095	789.148	789.201	789.254	789.307	789.360	789.413	789.466	789.519	789.572	789.625	789.678	789.731	789.784	789.837	789.890	789.943	790.000	790.053	790.106	790.159	790.212	790.265	790.318	790.371	790.424	790.477	790.530	790.583	790.636	790.689	790.742	790.795	790.848	790.901	790.954	791.007	791.060	791.113	791.166	791.219	791.272	791.325	791.378	791.431	791.484	791.537	791.590	791.643	791.696	791.749	791.802	791.855	791.908	791.961	792.014	792.067	792.120	792.173	792.226	792.279	792.332	792.385	792.438	792.491	792.544	792.597	792.650	792.703	792.756	792.809	792.862	792.915	792.968	793.021	793.074	793.127	793.180	793.233	793.286	793.339	793.392	793.445	793.498	793.551	793.604	793.657	793.710	793.763	793.816	793.869	793.922	793.975	794.028	794.081	794.134	794.187	794.240	794.293	794.346	794.399	794.452	794.505	794.558	794.611	794.664	794.717	794.770	794.823	794.876	794.929	794.982	795.035	795.088	795.141	795.194	795.247	795.300	795.353	795.406	795.459	795.512	795.565	795.618	795.671	795.724	795.777	795.830	795.883	795.936	795.989	796.042	796.095	796.148	796.201	796.254	796.307	796.360	796.413	796.466	796.519	796.572	796.625	796.678	796.731	796.784	796.837	796.890	796.943	796.996	797.049	797.102	797.155	797.208	797.261	797.314	797.367	797.420	797.473	797.526	797.579	797.632	797.685	797.738	797.791	797.844	797.897	797.950	798.003	798.056	798.109	798.162	798.215	798.268	798.321	798.374	798.427	798.480	798.533	798.586	798.639	798.692	798.745	798.798	798.851	798.904	798.957	799.010	799.063	799.116	799.169	799.222	799.275	799.328	799.381	799.434	799.487	799.540	799.593	799.646	799.699	799.752	799.805	799.858	799.911	799.964	800.017	800.070	800.123	800.176	800.229	800.282	800.335	800.388	800.441	800.494	800.547	800.600	800.653	800.706	800.759	800.812	800.865	800.918	800.971	801.024	801.077	801.130	801.183	801.236	801.289	801.342	801.395	801.448	801.501	801.554	801.607	801.660	801.713	801.766	801.819	801.872	801.925	801.978	802.031	802.084	802.137	802.190	802.243	802.296	802.349	802.402	802.455	802.508	802.561	802.614	802.667	802.720	802.773	802.826	802.879	802.932	802.985	803.038	803.091	803.144	803.197	803.250	803.303	803.356	803.409	803.462	803.515	803.568	803.621	803.674	803.727	803.780	803.833	803.886	803.939	803.992	804.045	804.098	804.151	804.204	804.257	804.310	804.363	804.416	804.469	804.522	804.575	804.628	804.681	804.734	804.787	804.840	804.893	804.946	805.000	805.053	805.106	805.159	805.212	805.265	805.318	805.371	805.424	805.477	805.530	805.583	805.636	805.689	805.742	805.795	805.848	805.901	805.954	806.007	806.060	806.113	806.166	806.219	806.272	806.325	806.378	806.431	806.484	806.537	806.590	806.643	806.696	806.749	806.802	806.855	806.908	806.961	807.014	807.067	807.120	807.173	807.226	807.279	807.332	807.385	807.438	807.491	807.544	807.597	807.650	807.703	807.756	807.809	807.862	807.915	807.968	808.021	808.074	808.127	808.180	808.233	808.286	808.339	808.392	808.445	808.498	808.551	808.604	808.657	808.710	808.763	808.816	808.869	808.922	808.975	809.028	809.081	809.134	809.187	809.240	809.293	809.346	809.399	809.452	809.505	809.558	809.611	809.664	809.717	809.770	809.823	809.876	809.929	809.982	810.035	810.088	810.141	810.194	810.247	810.300	810.353	810.406	810.459	810.512	810.565	810.618	810.671	810.724	810.777	810.830	810.883	810.936	810.989	811.042	811.095	811.148	811.201	811.254	811.307	811.360	811.413	811.466	811.519	811.572	811.625	811.678	811.731	811.784	811.837	811.890	811.943	811.996	812.049	812.102	812.155	812.208	812.261	812.314	812.367	812.420	812.473	812.526	812.579	812.632	812.685	812.738	812.791	812.844	812.897	812.950	813.003	813.056	813.109	813.162	813.215	813.268	813.321	813.374	813.427	813.480	813.533	813.586	813.639	813.692	813.745	813.798	813.851	813.904	813.957	814.010	814.063	814.116	814.169	814.222	814.275	814.328	814.381	814.434	814.487	814.540	814.593	814.646	814.699	814.752	814.805	814.858	814.911	814.964	815.017	815.070	815.123	815.176	815.229	815.282	815.335	815.388	815.441	815.494	815.547	815.600	815.653	815.706	815.759	815.812	815.865	815.918	815.971	816.024	816.077	816.130	816.183	816.236	816.289	816.342	816.395	816.448	816.501	816.554	816.607	816.660	816.713	816.766	816.819	816.872	816.925	816.978	817.031	817.084	817.137	817.190	817.243	817.296	817.349	817.402	817.455	817.508	817.561	817.614	817.667	817.720	817.773	817.826	817.879	817.932	817.985	818.038	818.091	818.144	818.197	818.250	818.303	818.356	818.409	818.462	818.515	818.568	818.621	818.674	818.727	818.780	818.833	818.886	818.939	818.992	819.045	819.098	819.151	819.204	819.257	819.310	819.363	819.416	819.469	819.522	819.575	819.628	819.681	819.734	819.787	819.840	819.893	819.946	820.000	820.053	820.106	820.159	820.212	820.265	820.318	820.371	820.424	820.477	820.530	820.583	820.636	820.689	820.742	820.795	820.848	820.901	820.954	821.007	821.060	821.113	821.166	821.219	821.272	821.32
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CHAINAGE : 5+400 - 5+700

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
IP189	321570.413	3021791.475
IP151	321558.721	3021783.447
IP152	321527.393	3021794.397
IP190	321482.748	3021799.893
IP191	321462.597	3021799.379
IP43	321448.456	3021801.499
IP158	321434.789	3021794.912
IP192	321409.183	3021777.951
IP157	321374.109	3021766.198
IP193	321311.001	3021718.589

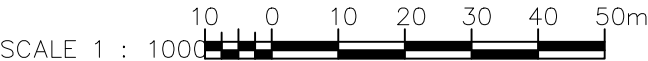
DESIGN LEVEL(m)	773.860 774.505 775.150 775.795 776.440 777.085 777.730 778.376 779.021 779.666 780.311 780.956 781.601 782.246 782.892 783.537 784.182 784.827 785.472 786.117 786.762 787.407 788.052 788.697 790.053 790.408 790.763 791.118 791.473 791.828 792.183 792.538 792.893 793.248 793.603 793.958 794.313 794.668 795.023 795.378 795.733 796.088 796.443 796.798 797.153 797.508 797.863 798.218 798.573 798.928 799.283 799.638 799.993 800.348 800.703 801.058 801.413 801.768 802.123 802.478 802.833 803.188 803.543 803.898 804.253 804.608 804.963 805.318 805.673 806.028 806.383 806.738 807.093 807.448 807.803 808.158 808.513 808.868 809.223 809.578 809.933 810.288 810.643 810.998 811.353 811.708 812.063 812.418 812.773 813.128 813.483 813.838 814.193 814.548 814.903 815.258 815.613 815.968 816.323 816.678 817.033 817.388 817.743 818.098 818.453 818.808 819.163 819.518 819.873 820.228 820.583 820.938 821.293 821.648 822.003 822.358 822.713 823.068 823.423 823.778 824.133 824.488 824.843 825.198 825.553 825.908 826.263 826.618 826.973 827.328 827.683 828.038 828.393 828.748 829.103 829.458 829.813 830.168 830.523 830.878 831.233 831.588 831.943 832.298 832.653 833.008 833.363 833.718 834.073 834.428 834.783 835.138 835.493 835.848 836.203 836.558 836.913 837.268 837.623 837.978 838.333 838.688 839.043 839.398 839.753 840.108 840.463 840.818 841.173 841.528 841.883 842.238 842.593 842.948 843.303 843.658 844.013 844.368 844.723 845.078 845.433 845.788 846.143 846.498 846.853 847.208 847.563 847.918 848.273 848.628 848.983 850.000	
EXISTING LEVEL(m)	776.663 776.749 777.321 778.800 778.578 778.900 779.209 780.961 783.122 783.678 782.676 782.289 783.544 784.586 785.070 786.680 787.027 786.885 787.737 788.280 788.805 789.598 789.302 790.158 790.975 791.628 792.151 792.678 792.956 792.240 790.005	
CHAINAGE(Km)	5+400 5+410 5+420 5+430 5+440 5+450 5+460 5+470 5+480 5+490 5+500 5+510 5+520 5+530 5+540 5+550 5+560 5+570 5+580 5+590 5+600 5+610 5+620 5+630 5+640 5+650 5+660 5+670 5+680 5+690 5+700	
HORIZONTAL SCHEMATIC	L=10.506 L=14.182 L=33.186 L=44.982 L=20.158 L=10.601 L=7.175 L=11.473 L=30.713 L=36.991 L=79.053	
SUPER ELEVATION SCHEMATIC	SE:4%	

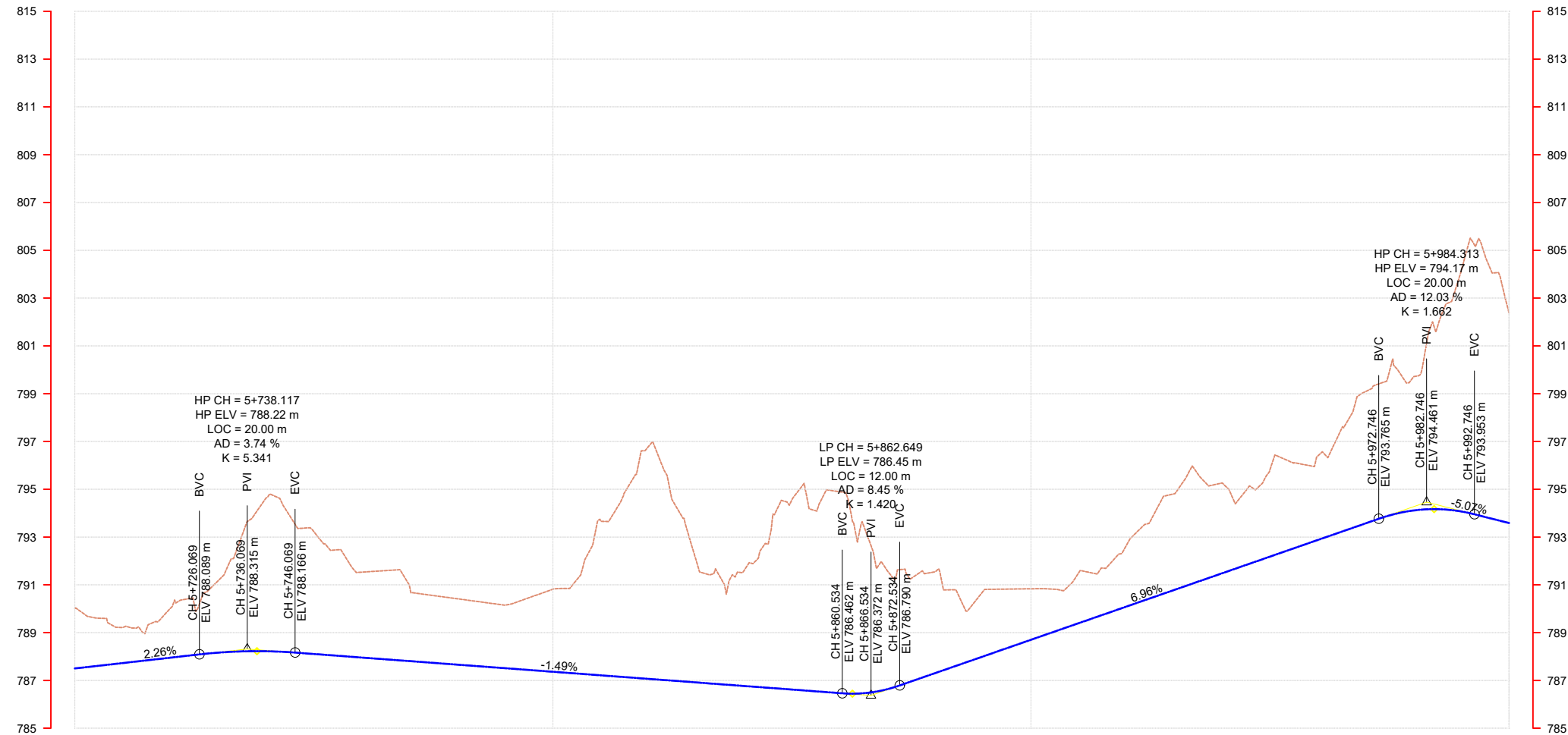
ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 PROFILE (5400 TO 5700 M) SHEET 20 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-20		REV NA	

NOTE:

- ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
- NO DIMENSION SHALL BE MEASURED FROM THE DRAWINGS. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
- ALL DIMENSIONS/DETAILS SHALL BE CHECKED ALONG WITH THE RELEVANT DRAWINGS BEFORE STARTING EXECUTION OF WORKS. DISCREPANCY, IF ANY, SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF PROJECT AUTHORITY/CONSULTANT FOR REVIEW.

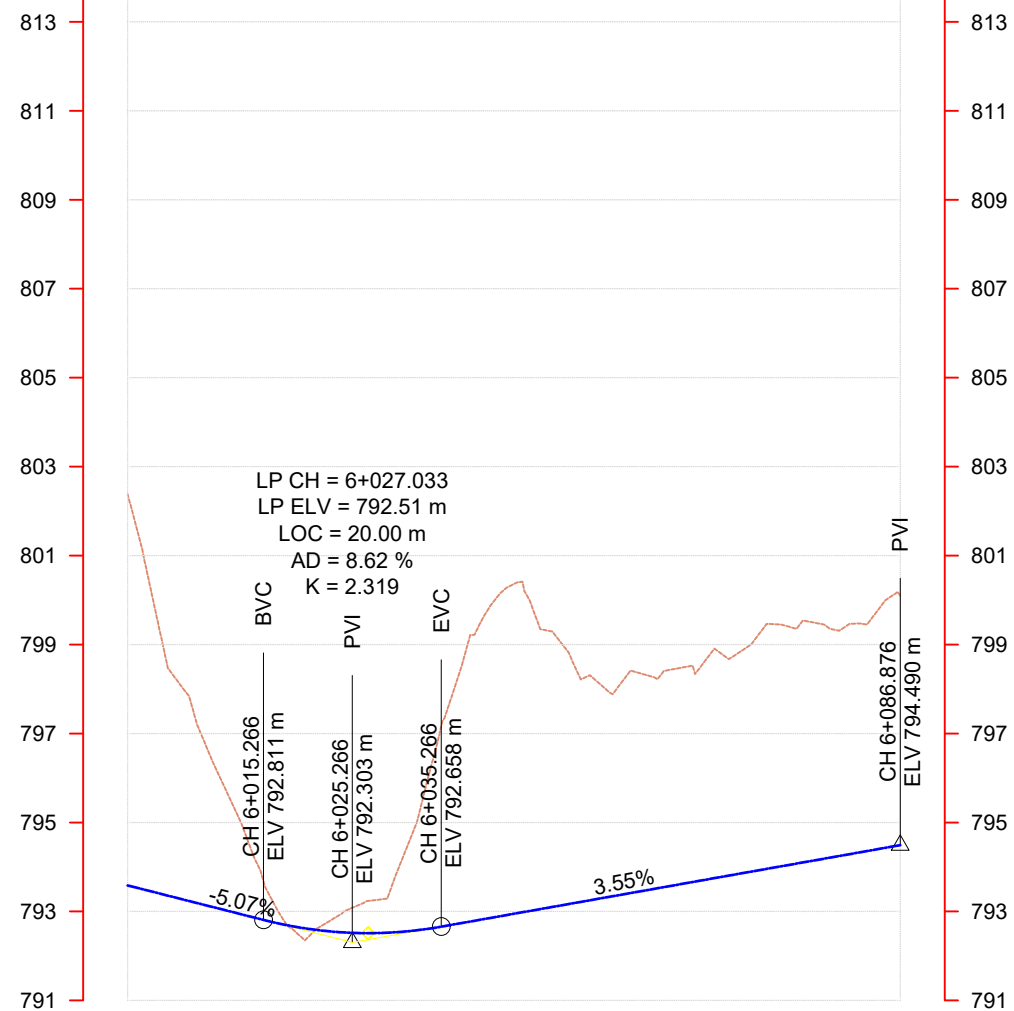




CHAINAGE : 5+700 - 6+000

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
IP193	321311.001	3021718.589
IP44	321275.968	3021695.721
IP194	321245.999	3021695.330
IP196	321226.177	3021695.865
IP195	321216.153	3021695.145
IP197	321186.101	3021695.227
IP198	321166.125	3021695.814
IP199	321156.163	3021696.122
IP200	321146.139	3021696.400
IP201	321136.104	3021696.215
IP202	321112.125	3021696.153
IP45	321098.622	3021696.729
IP159	321073.716	3021695.597
IP204	321066.491	3021693.518
IP203	321055.994	3021694.445
IP46	321024.110	3021701.896

DESIGN LEVEL(m)	787.501		787.727		787.952		788.163		788.222		788.107		787.958		787.809		787.661		787.512		787.363		787.214		787.065		786.916		786.767		786.618		786.470		786.321		786.172		786.023		785.874		785.725		785.576		785.427		785.278		785.129		784.980		784.831		784.682		784.533		784.384		784.235		784.086		783.937		783.788		783.639		783.490		783.341		783.192		783.043		782.894		782.745		782.596		782.447		782.298		782.149		781.999		781.850		781.701		781.552		781.403		781.254		781.105		780.956		780.807		780.658		780.509		780.360		780.211		780.062		779.913		779.764		779.615		779.466		779.317		779.168		779.019		778.870		778.721		778.572		778.423		778.274		778.125		777.976		777.827		777.678		777.529		777.380		777.231		777.082		776.933		776.784		776.635		776.486		776.337		776.188		776.039		775.890		775.741		775.592		775.443		775.294		775.145		775.096		774.947		774.798		774.649		774.500		774.351		774.202		774.053		773.904		773.755		773.606		773.457		773.308		773.159		773.010		772.861		772.712		772.563		772.414		772.265		772.116		771.967		771.818		771.669		771.520		771.371		771.222		771.073		770.924		770.775		770.626		770.477		770.328		770.179		770.030		769.881		769.732		769.583		769.434		769.285		769.136		768.987		768.838		768.689		768.540		768.391		768.242		768.093		767.944		767.795		767.646		767.497		767.348		767.199		767.050		766.901		766.752		766.603		766.454		766.305		766.156		766.007		765.858		765.709		765.560		765.411		765.262		765.113		764.964		764.815		764.666		764.517		764.368		764.219		764.070		763.921		763.772		763.623		763.474		763.325		763.176		763.027		762.878		762.729		762.580		762.431		762.282		762.133		761.984		761.835		761.686		761.537		761.388		761.239		761.090		760.941		760.792		760.643		760.494		760.345		760.196		760.047		759.898		759.749		759.600		759.451		759.302		759.153		759.004		758.855		758.706		758.557		758.408		758.259		758.110		757.961		757.812		757.663		757.514		757.365		757.216		757.067		756.918		756.769		756.620		756.471		756.322		756.173		756.024		755.875		755.726		755.577		755.428		755.279		755.130		754.981		754.832		754.683		754.534		754.385		754.236		754.087		753.938		753.789		753.640		753.491		753.342		753.193		753.044		752.895		752.746		752.597		752.448		752.299		752.150		752.001		751.852		751.703		751.554		751.405		751.256		751.107		750.958		750.809		750.660		750.511		750.362		750.213		750.064		749.915		749.766		749.617		749.468		749.319		749.170		749.021		748.872		748.723		748.574		748.425		748.276		748.127		747.978		747.829		747.680		747.531		747.382		747.233		747.084		746.935		746.786		746.637		746.488		746.339		746.190		746.041		745.892		745.743		745.594		745.445		745.296		745.147		745.098		744.949		744.800		744.651		744.502		744.353		744.204		744.055		743.906		743.757		743.608		743.459		743.310		743.161		743.012		742.863		742.714		742.565		742.416		742.267		742.118		741.969		741.820		741.671		741.522		741.373		741.224		741.075		740.926		740.777		740.628		740.479		740.330		740.181		740.032		739.883		739.734		739.585		739.436		739.287		739.138		738.989		738.840		738.691		738.542		738.393		738.244		738.095		737.946		737.797		737.648		737.499		737.350		737.201		737.052		736.903		736.754		736.605		736.456		736.307		736.158		736.009		735.860		735.711		735.562		735.413		735.264		735.115		734.966		734.817		734.668		734.519		734.370		734.221		734.072		733.923		733.774		733.625		733.476		733.327		733.178		733.029		732.880		732.731		732.582		732.433		732.284		732.135		731.986		731.837		731.688		731.539		731.390		731.241		731.092		730.943		730.794		730.645		730.496		730.347		730.198		730.049		729.900		729.751		729.602		729.453		729.304		729.155		729.006		728.857		728.708		728.559		728.410		728.261		728.112		727.963		727.814		727.665		727.516		727.367		727.218		727.069		726.920		726.771		726.622		726.473		726.324		726.175		726.026		725.877		725.728		725.579		725.430		725.281		725.132		724.983		724.834		724.685		724.536		724.387		724.238		724.089		723.940		723.791		723.642		723.493		723.344		723.195		723.046		722.897		722.748		722.599		722.450		722.301		722.152		722.003		721.854		721.705		721.556		721.407		721.258		721.109		720.960		720.811		720.662		720.513		720.364		720.215		720.066		719.917		719.768		719.619		719.470		719.321		719.172		719.023		718.874		718.725		718.576		718.427		718.278		718.129		717.980		717.831		717.682		717.533		717.384		717.235		717.086		716.937		716.788		716.639		716.490		716.341		716.192		716.043		715.894		715.745		715.596		715.447		715.298		715.149		715.000		714.851		714.702		714.553		714.404		714.255		714.106		713.957		713.808		713.659		713.510		713.361		713.212		713.063		712.914		712.765		712.616		712.467		712.318		712.169		712.020		711.871		711.722		711.573		711.424		711.275		711.126		710.977		710.828		710.679		710.530		710.381		710.232		710.083		709.934		709.785		709.636		709.487		709.338		709.189		709.040		708.891		708.742		708.593		708.444		708.295		708.146		707.997		707.848		707.699		707.550		707.401		707.252		707.103		706.954		706.805		706.656		706.507		706.358		706.209		706.060		705.911		705.762		705.613		705.464		705.315		705.166		705.017		704.868		704.719		704.570		704.421		704.272		704.123		703.974		703.825		703.676		703.527		703.378		703.229		703.080		702.931		702.782		702.633		702.484		702.335		702.186		702.037		701.888		701.739		701.590		701.441		701.292		701.143		700.994		700.845		700.696		700.547		700.398		700.249		700.100		699.951		699.802		699.653		699.504		699.355		699.206		699.057		698.908		698.759		698.610		698.461		698.312		698.163		698.014		697.865		697.716		697.567		697.418		697.269		697.120		696.971		696.822		696.673		696.524		696.375		696.226		696.077		695.928		695.779		695.630		695.481		695.332		695.183		695.034		694.885		694.736		694.587		694.438		694.289		694.140		693.991		693.842		693.693		693.544		693.395		693.246		693.097		692.948		692.799		692.650		692.501		692.352		692.203		692.054		691.905		691.756		691.607		691.458		691.309		691.160		691.011		690.862		690.713		690.564		690.415		690.266		690.117		690.068		689.919		689.770		689.621		689.472		689.323		689.174		689.025		688.876		688.727		688.578		688.429		688.280		688.131		687.982		687.833		687.684		687.535		687.386		687.237		687.088		686.939		686.790		686.641		686.492		686.343		686.194		686.045		685.896		685.747		685.598		685.449		685.300		685.151		685.002		684.853		684.704		684.555		684.406		684.257		684.108		683.959		683.810		683.661		683.512		683.363		683.214		683.065		682.916		682.767		682.618		682.469		682.320		682.171		682.022		681.873		681.724		681.575		681.426		681.277		681.128		680.979		680.830		680.681		680.532		680.383		680.234		680.085		679.936		679.787		679.638		679.489		679.340		679.191		679.042		678.893		678.744		678.595		678.446		678.297		678.148		677.999		677.850		677.701		677.552		677.403		677.254		677.105		676.956		676.807		676.658		676.509		676.360		676.211		676.062		675.913		675.764		675.615		675.466		675.317		675.168		675.019		674.870		674.721		674.572		674.423		674.274		674.125		673.976		673.827		673.678		673.529		673.380		673.231		673.082		672.933		672.784		672.635		672.486		672.337		672.188		672.039		671.890		671.741		671.592		671.443		671.294		671.145		670.996		670.847		670.698		670.549		670.400		670.251		670.102		670.000		669.900		669.800		669.700		669.600		669.500		669.400		669.300		669.200		669.100		669.000		668.900		668.800		668.700		668.600		668.500		668.400		668.300		668.200		668.100		668.000		667.900		667.800		667.700		667.60	
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CHAINAGE : 6+000 - 6+086.876

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
IP46	321024.110	3021701.896
IP205	321014.807	3021709.553
IP47	320986.113	3021738.617
IP48	321023.328	3021737.135

DESIGN LEVEL(m)	793.585			793.078	792.619	792.531	792.826	793.181	793.536	793.891	794.246	794.490
EXISTING LEVEL(m)	802.381			796.180	792.364	793.742	799.617	798.628	798.329	798.987	799.310	800.094
CHAINAGE(Km)	6+000			6+010	6+020	6+030	6+040	6+050	6+060	6+070	6+080	6+086.88
HORIZONTAL SCHEMATIC												
SUPER ELEVATION SCHEMATIC												


NOTE:

1. ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. NO DIMENSION SHALL BE MEASURED FROM THE DRAWINGS. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
3. ALL DIMENSIONS/DETAILS SHALL BE CHECKED ALONG WITH THE RELEVANT DRAWINGS BEFORE STARTING EXECUTION OF WORKS. DISCREPANCY, IF ANY, SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF PROJECT AUTHORITY/CONSULTANT FOR REVIEW.



SCALE 1 : 1000

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: <div>DORJILUNG HYDROPOWER PROJECT</div>					
Project: <div>DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN</div>					
Title: <div>DORJILUNG ROAD ADIT 4 PROFILE (6000 to 6086.876) SHEET 22 OF 75</div>					
<div>CONSULTANT:</div> <div><div>འཕུལ་གྲོལ་མཁོ་སྒྲུབ་སྒྲུབ་ཁྲུག་ Druk Green Consultancy</div></div>		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-22			REV NA



- NOTE:
1. ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
 2. NO DIMENSION SHALL BE MEASURED FROM THE DRAWINGS. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
 3. ALL DIMENSIONS/DETAILS SHALL BE CHECKED ALONG WITH THE RELEVANT DRAWINGS BEFORE STARTING EXECUTION OF WORKS. DISCREPANCY, IF ANY, SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF PROJECT AUTHORITY/CONSULTANT FOR REVIEW.



SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 23 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-23			REV NA

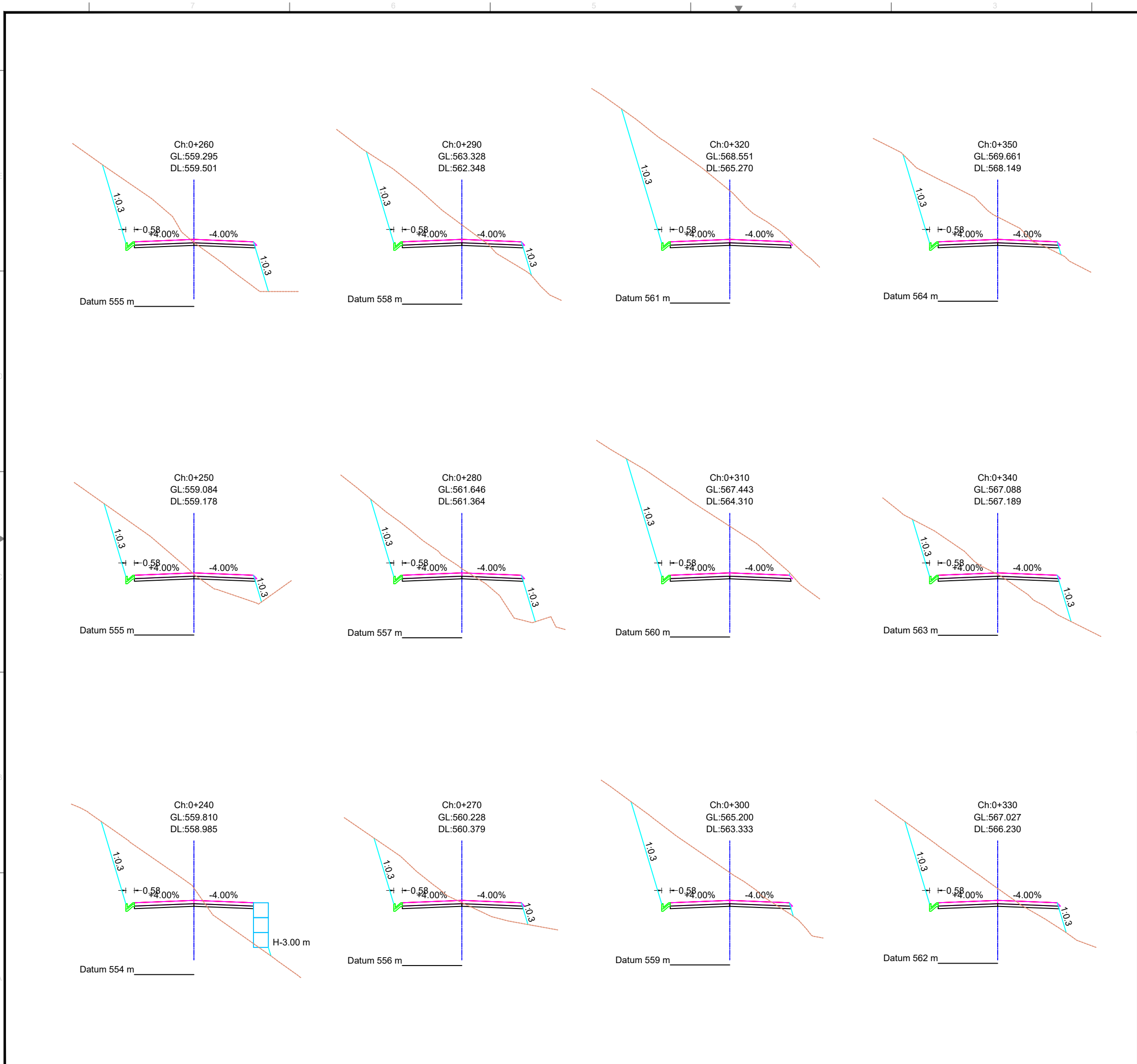
- NOTE:
1. ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 24 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-24			REV NA




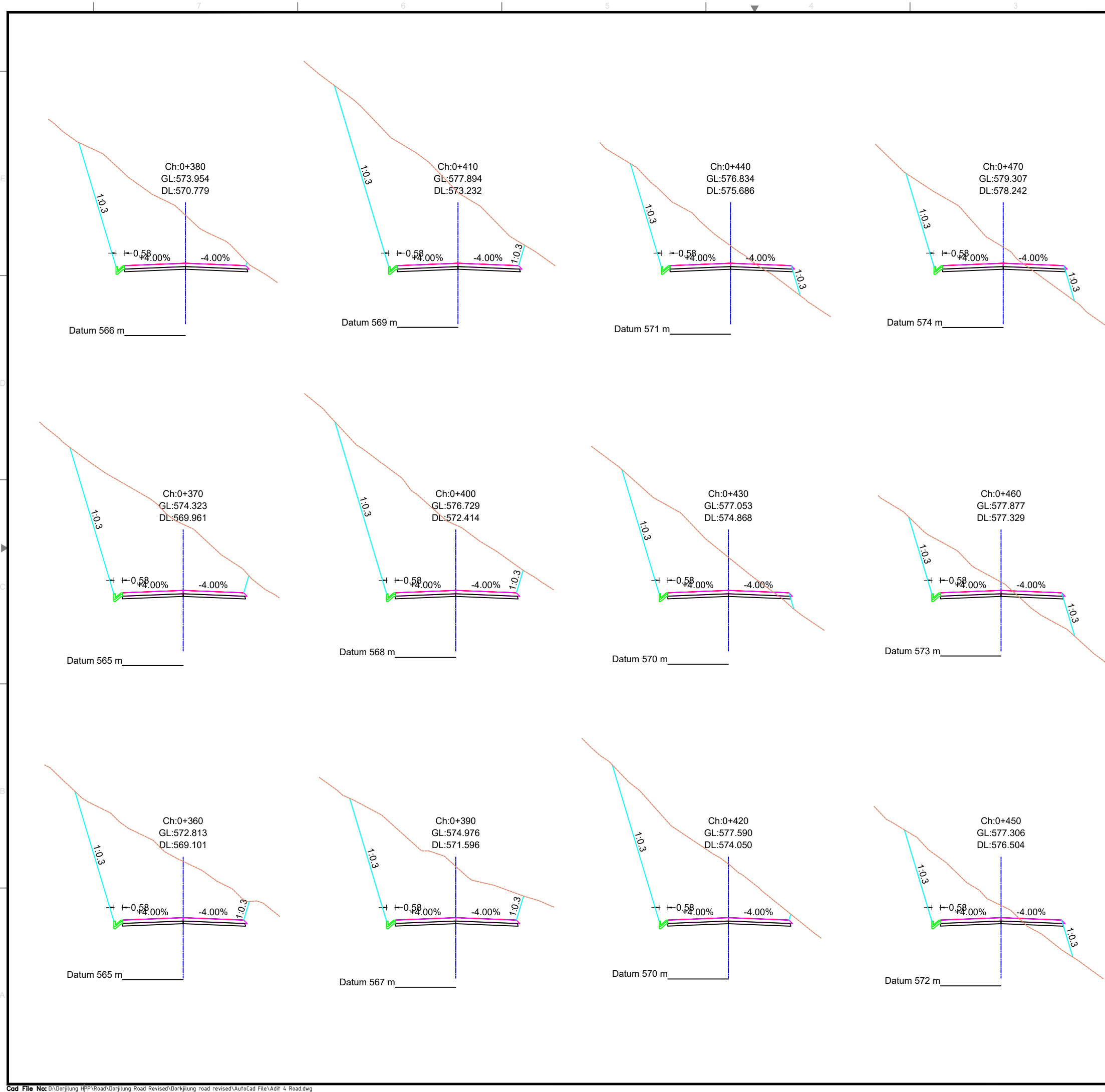
- NOTE:
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION					
SHEET 25 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-25			REV NA



- NOTE:
1. ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 26 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	Original Scale	DRAWING NO.			REV
A3	AS SHOWN	DHPP-ROAD-ADIT-4-2024-26			NA

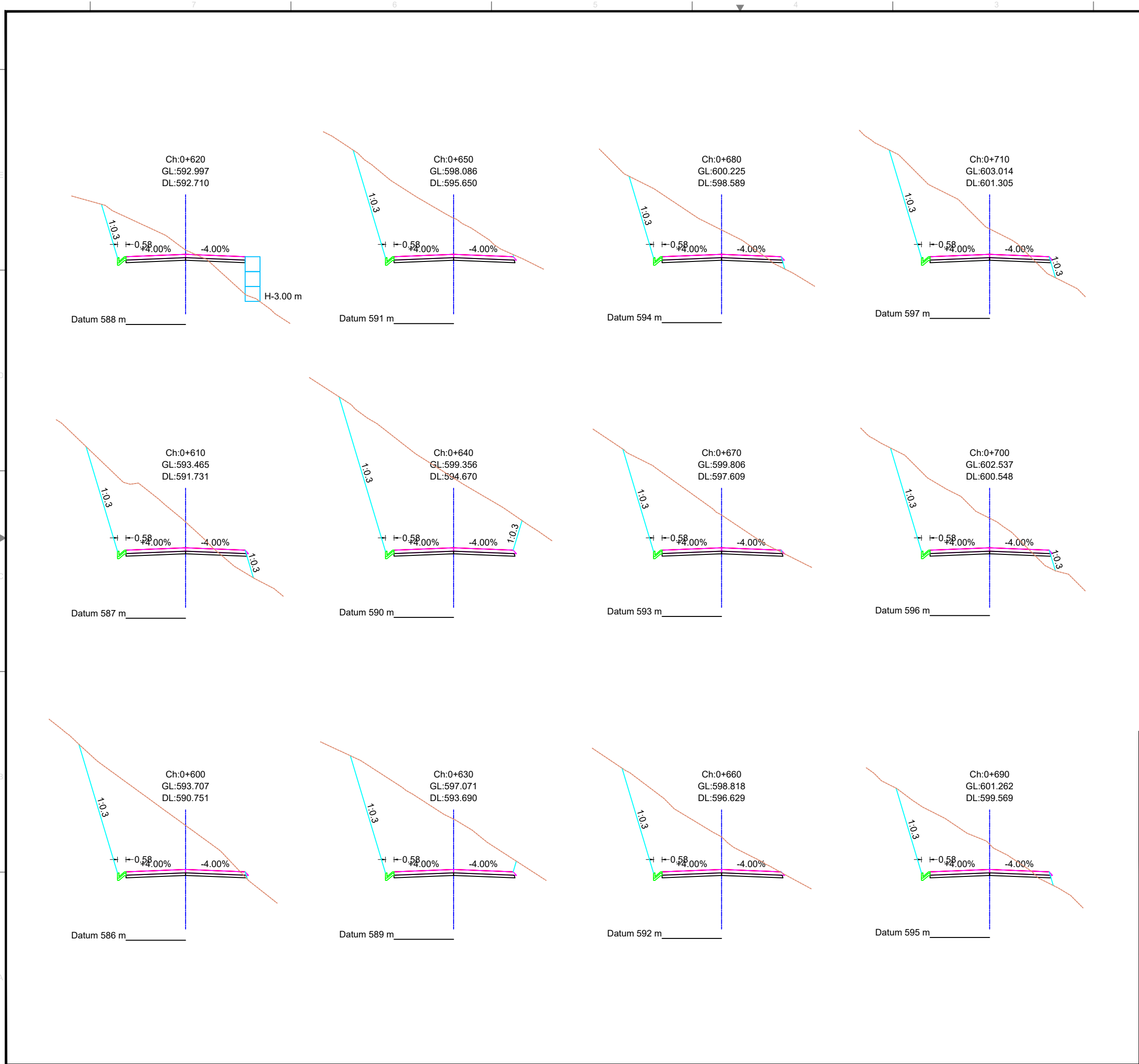
- NOTE:
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 27 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-27		REV	NA



- NOTE:
1. ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 28 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	A3	Original Scale	AS SHOWN	DRAWING NO.	DHPP-ROAD-ADIT-4-2024-28
				REV	NA

- NOTE:
1. ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
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ISSUED FOR CONSTRUCTION


Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
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Client: **DORJILUNG HYDROPOWER PROJECT**

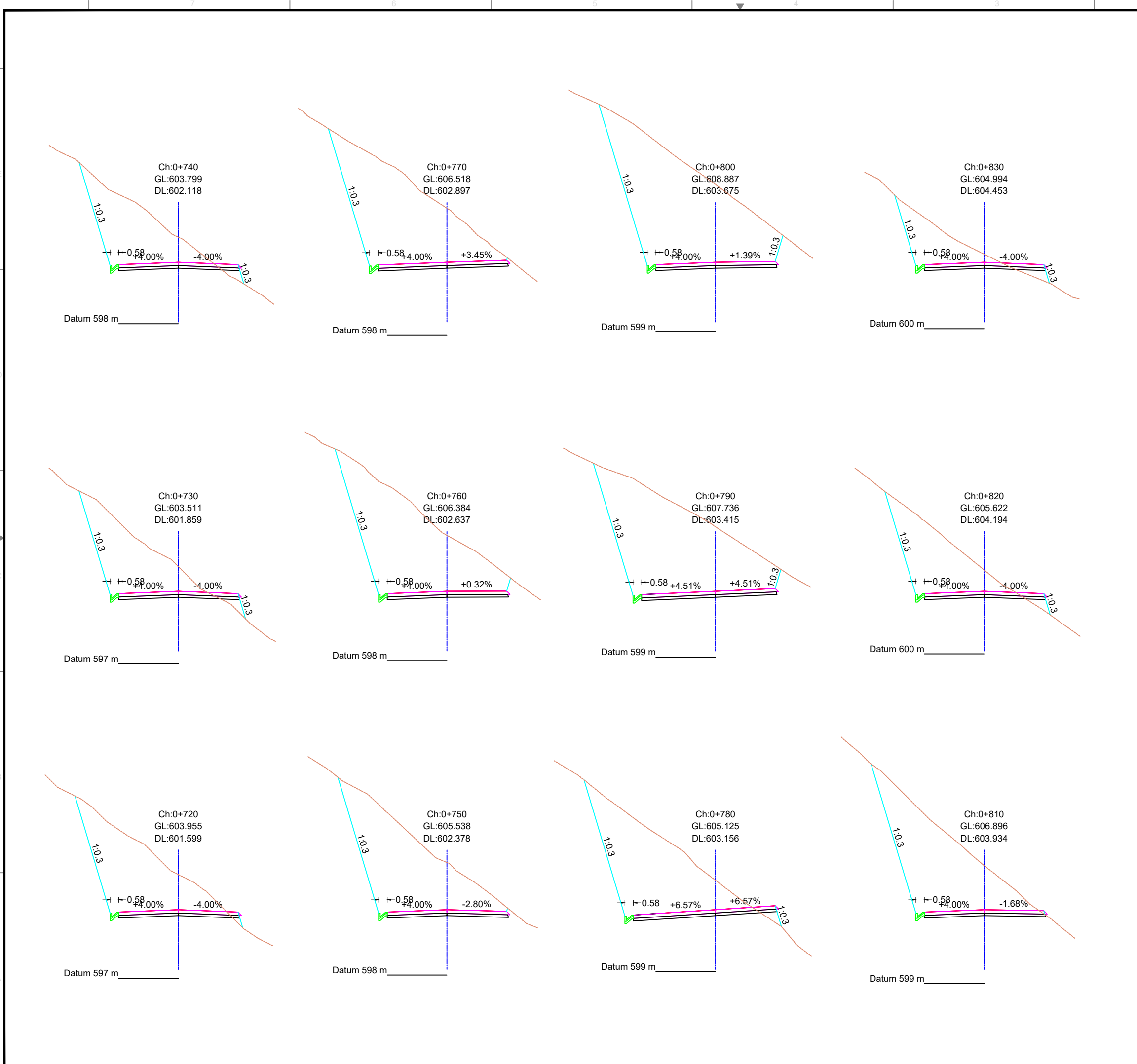
Project: **DORJILUNG HYDROPOWER PROJECT (1125 MW)**
MONGAR, BHUTAN

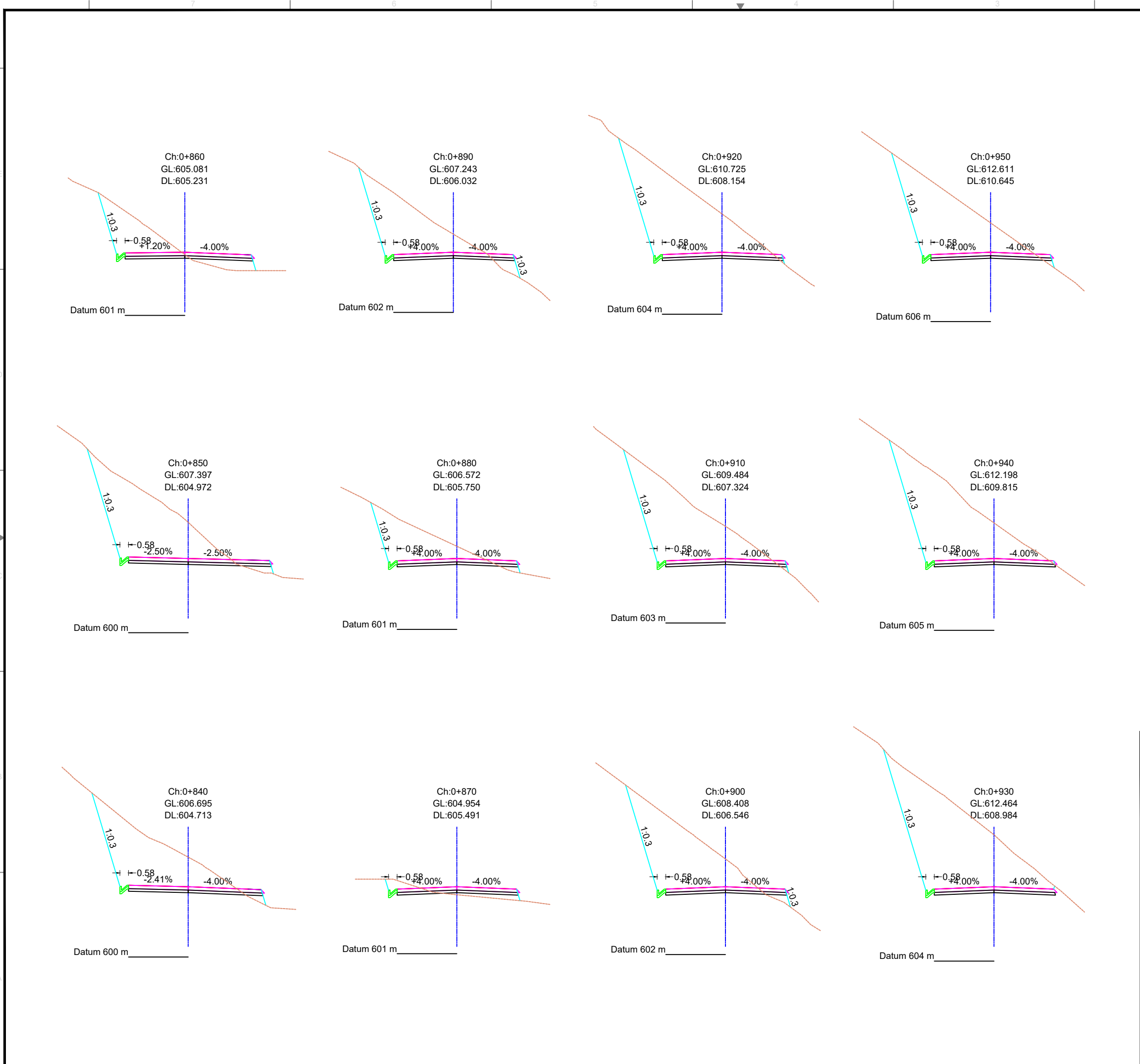
Title: **DORJILUNG ROAD ADIT 4 CROSS SECTION**

SHEET 29 OF 75

CONSULTANT: 	NAME	SIG.
	Designed	
	Drawn	
	Checked	
	Approved	
Issued Date NOV 2024		

Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-29	REV NA
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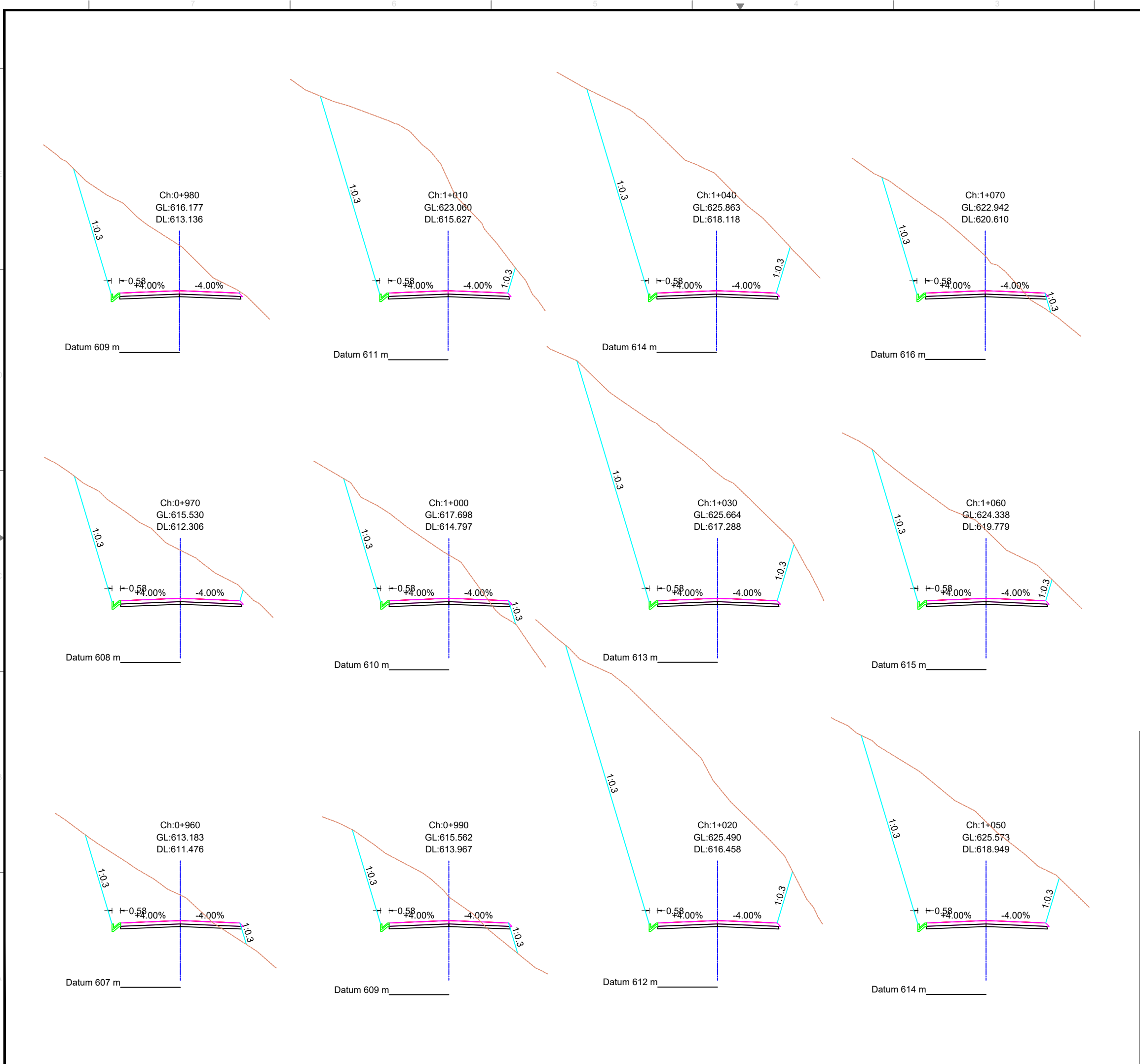
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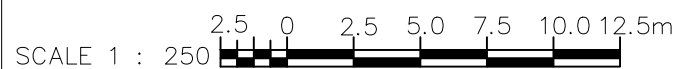
SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 30 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	A3	Original Scale	AS SHOWN	DRAWING NO.	DHPP-ROAD-ADIT-4-2024-30
				REV	NA

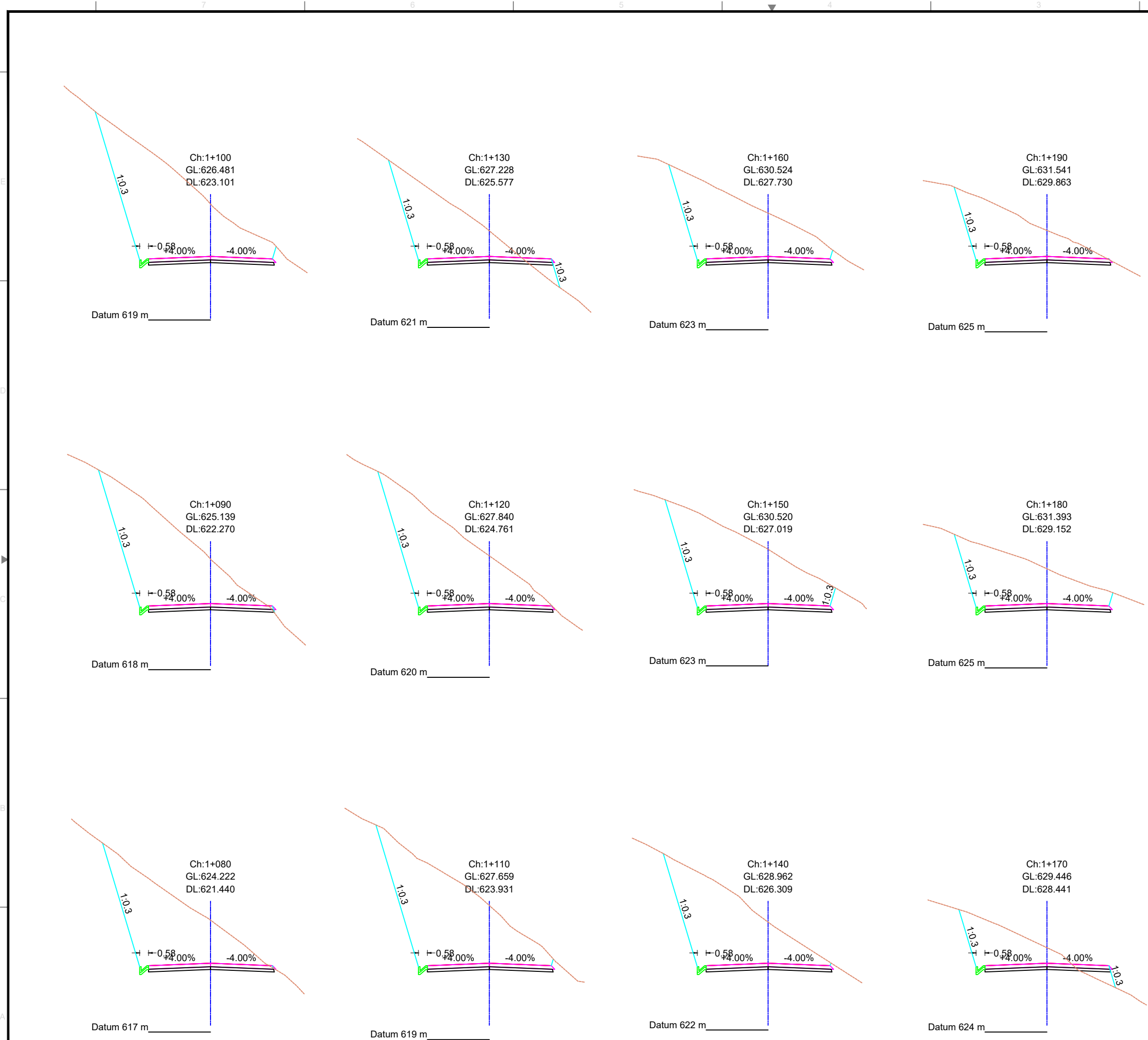


- NOTE:
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ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 31 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-31	REV NA		



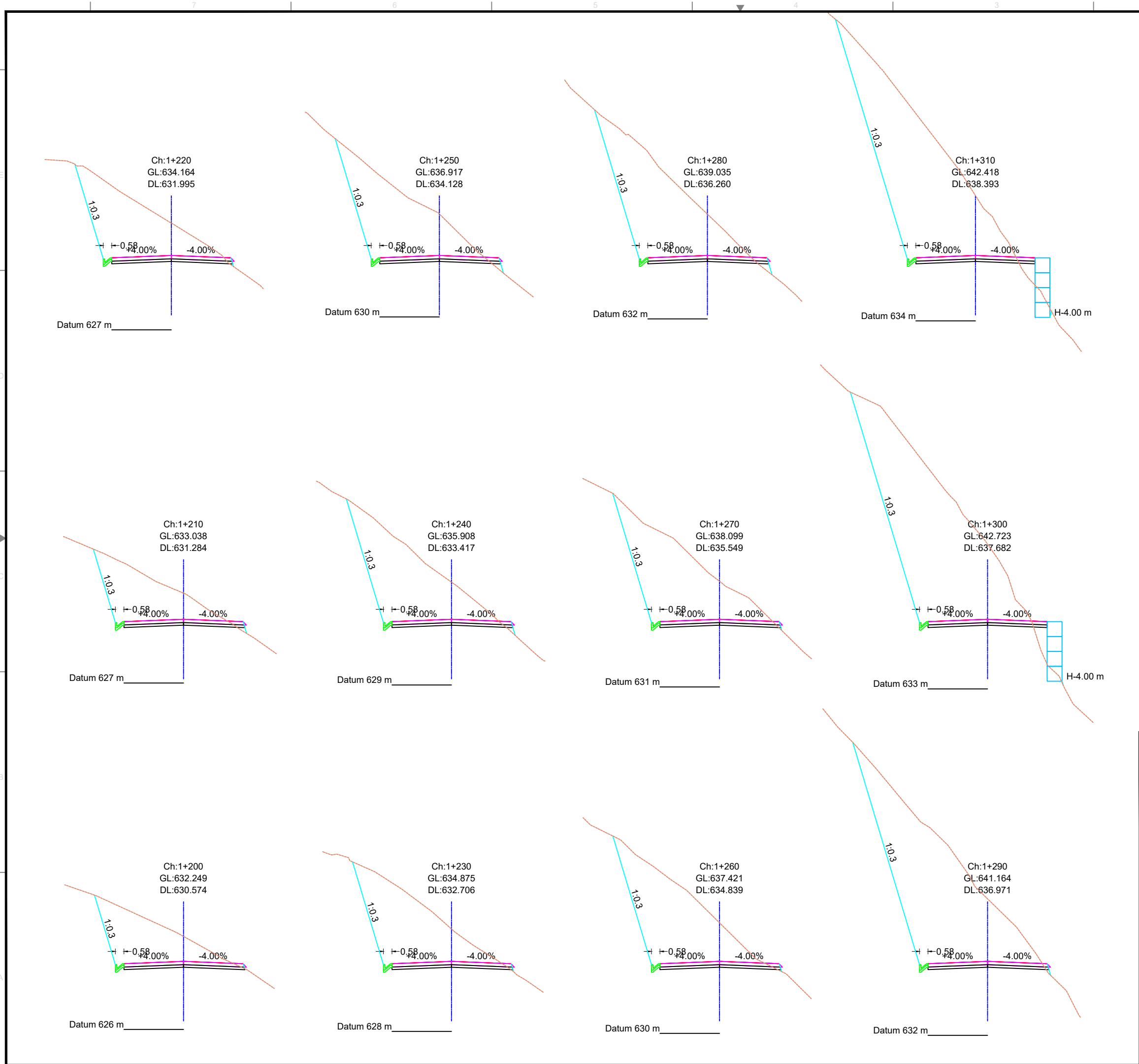
- NOTE:
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 32 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	A3	Original Scale	AS SHOWN	DRAWING NO.	DHPP-ROAD-ADIT-4-2024-32
				REV	NA



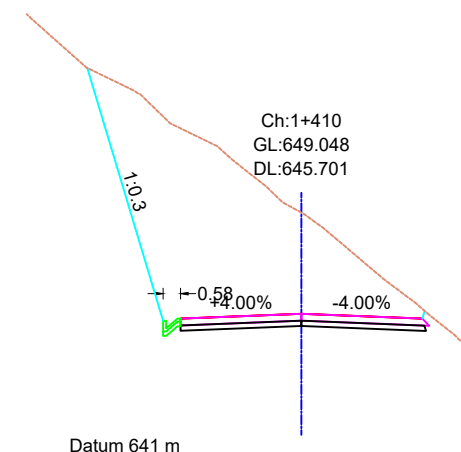
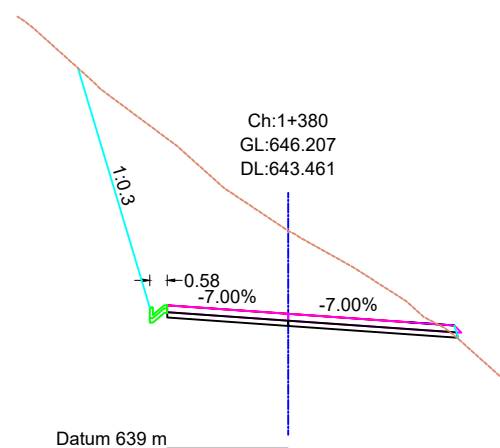
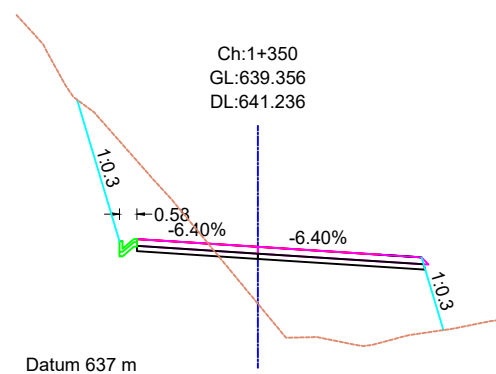
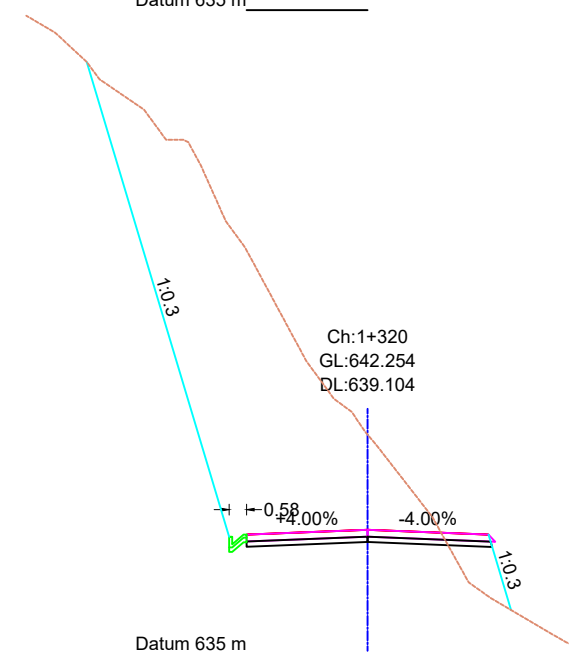
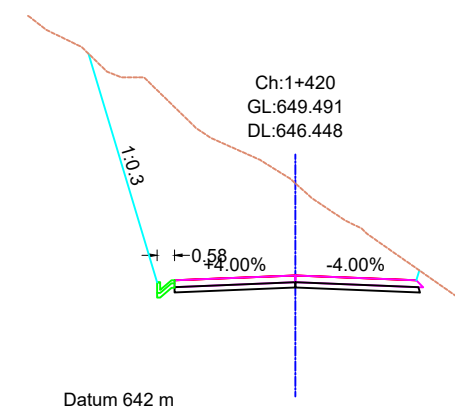
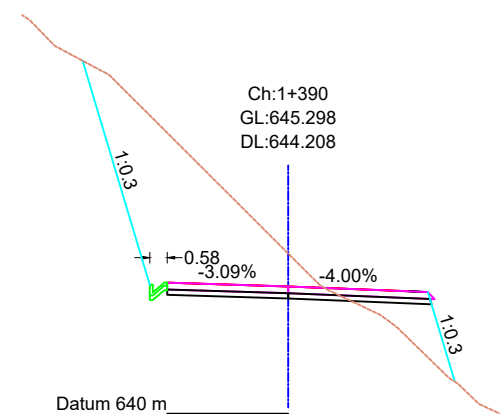
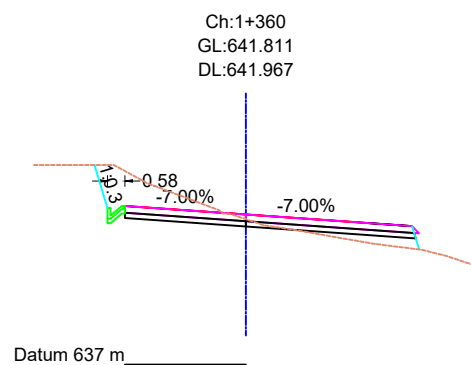
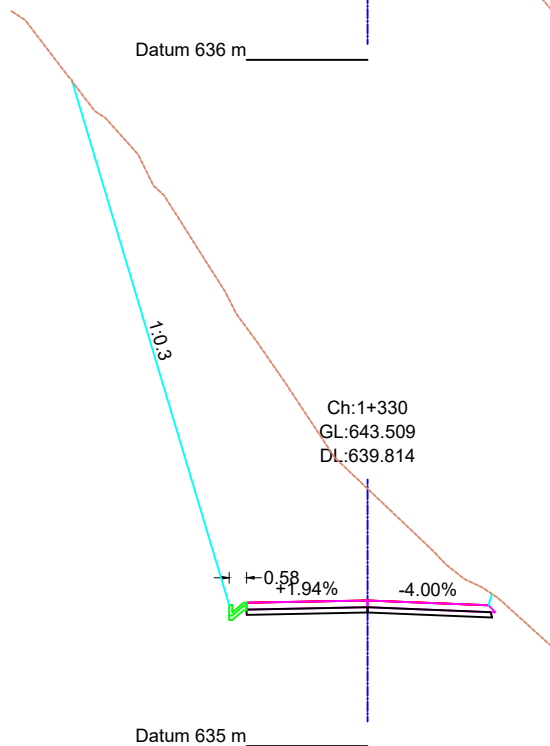
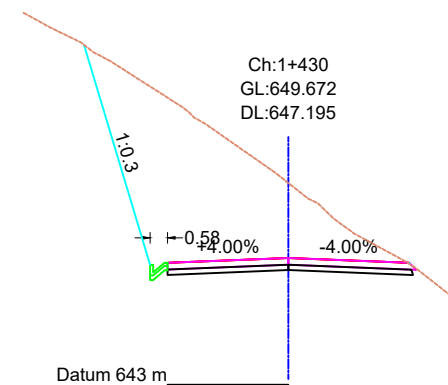
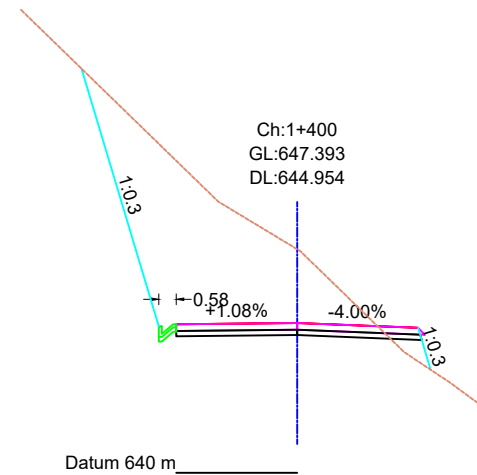
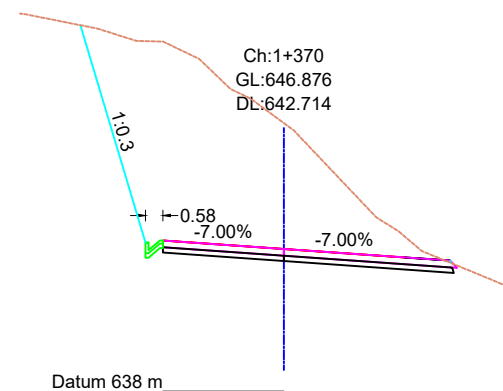
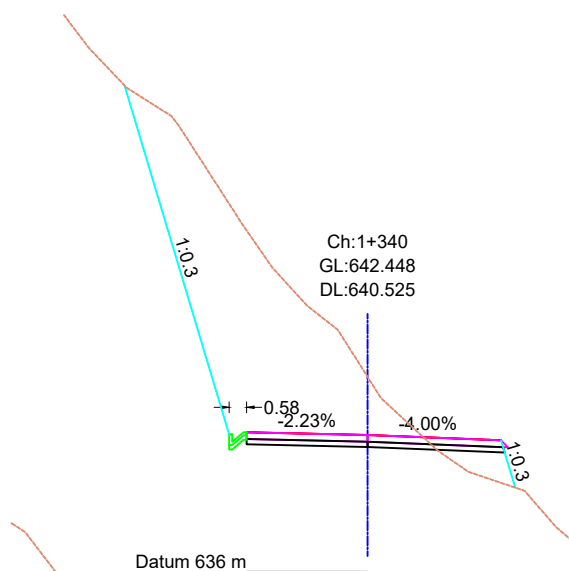
- NOTE:
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 33 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	A3	Original Scale	AS SHOWN	DRAWING NO.	REV
				DHPP-ROAD-ADIT-4-2024-33	NA




NOTE:

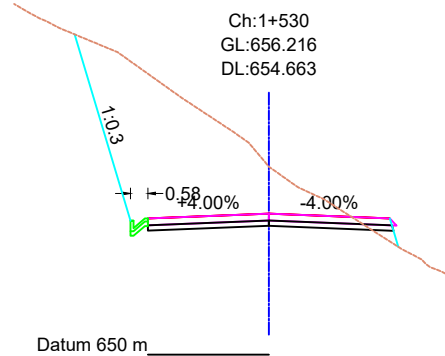
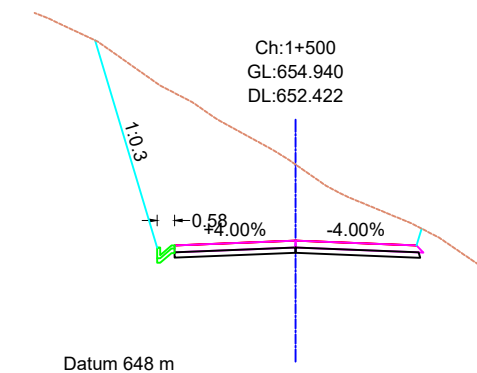
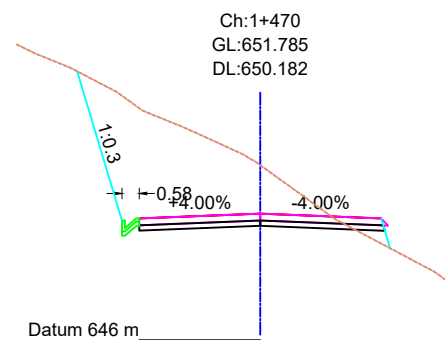
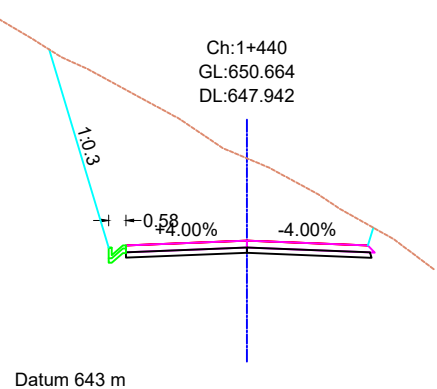
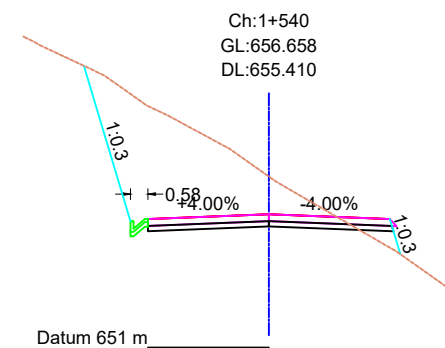
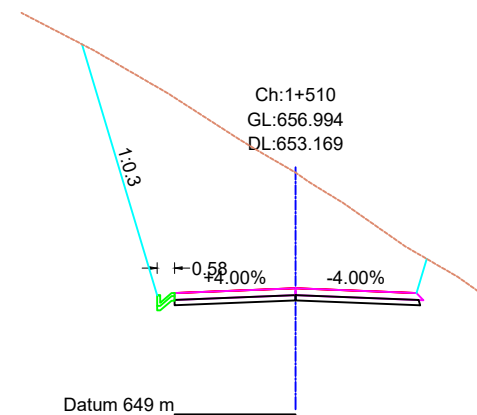
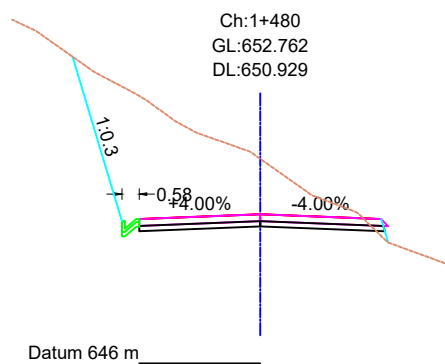
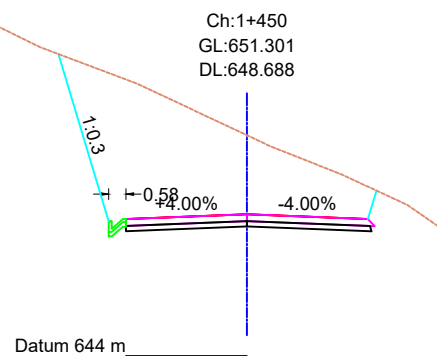
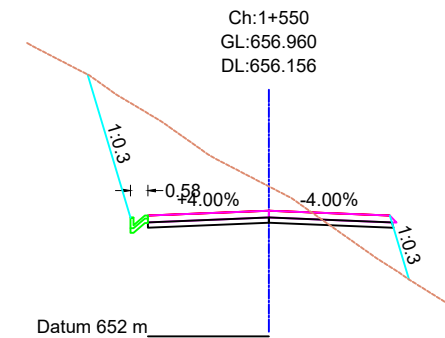
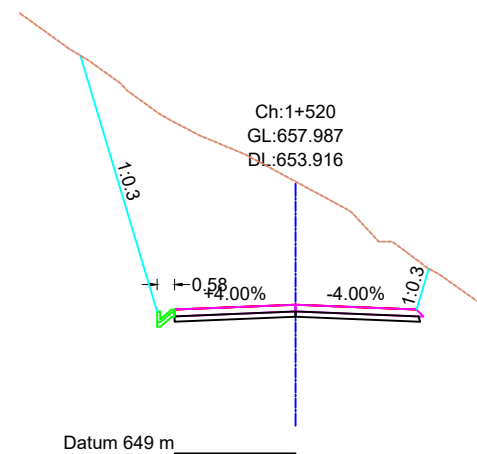
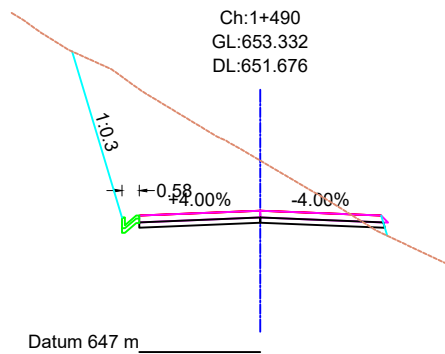
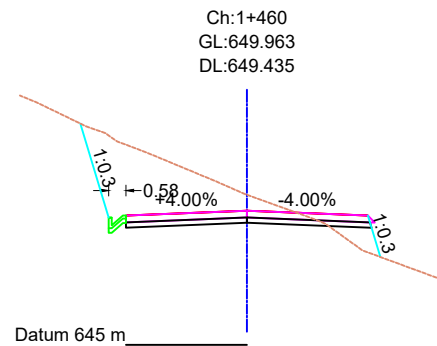


SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 34 OF 75					
CONSULTANT:  འབྲུག་རྒྱུ་རྒྱུ་ལྟ་སྟེན་ལྟ་སྟེན་ Druk Green Consultancy		NAME Designed Drawn Checked Approved Issued Date		SIG. NOV 2024	
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-34		REV NA	

- NOTE:
1. ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 35 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-35			REV NA

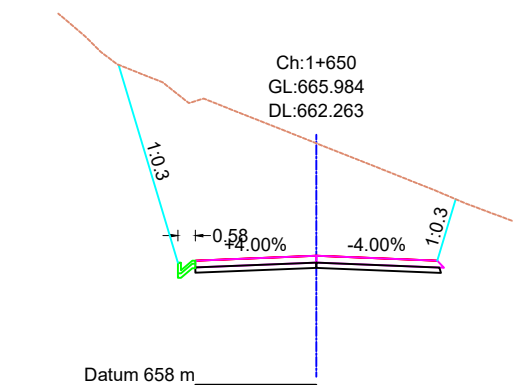
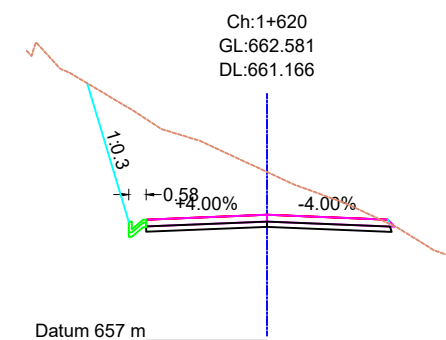
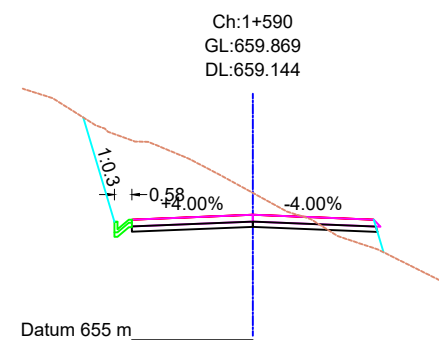
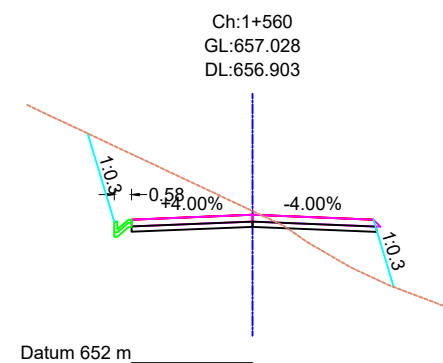
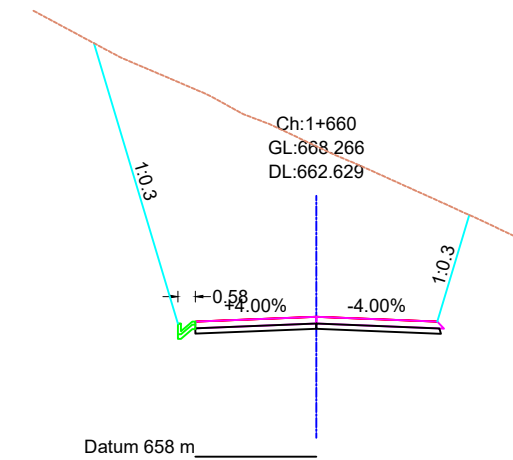
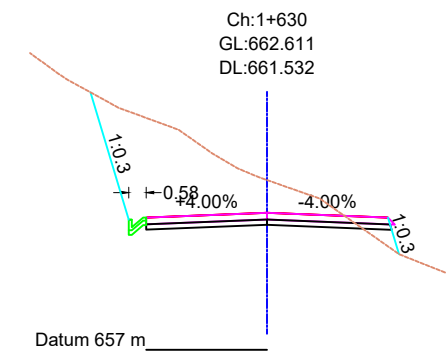
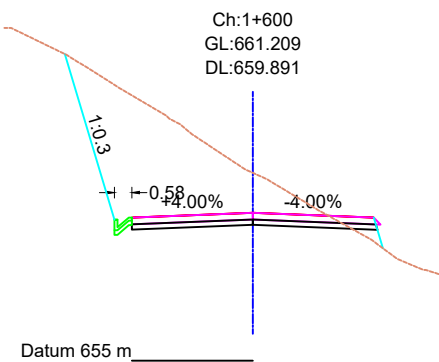
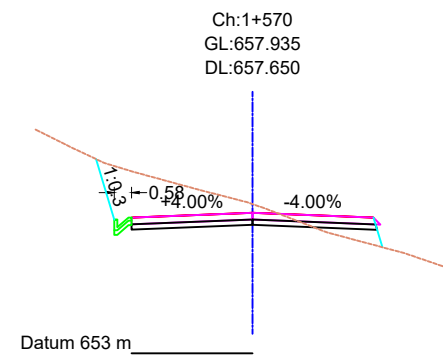
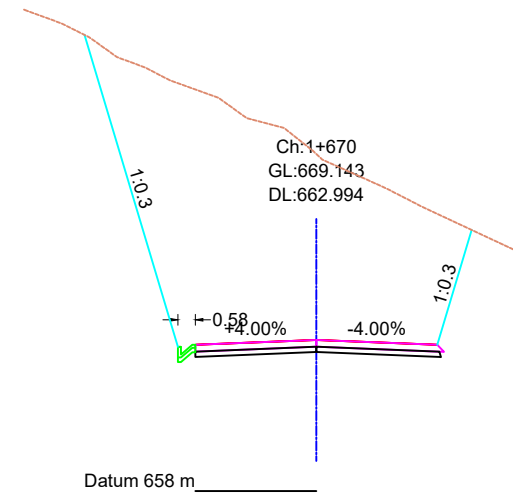
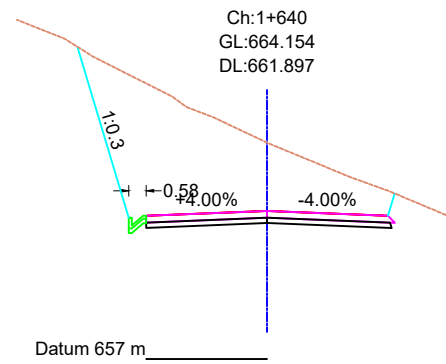
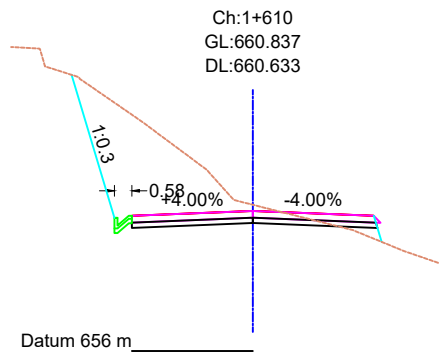
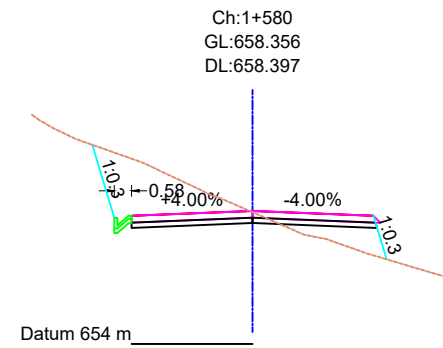
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 36 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-36			REV NA





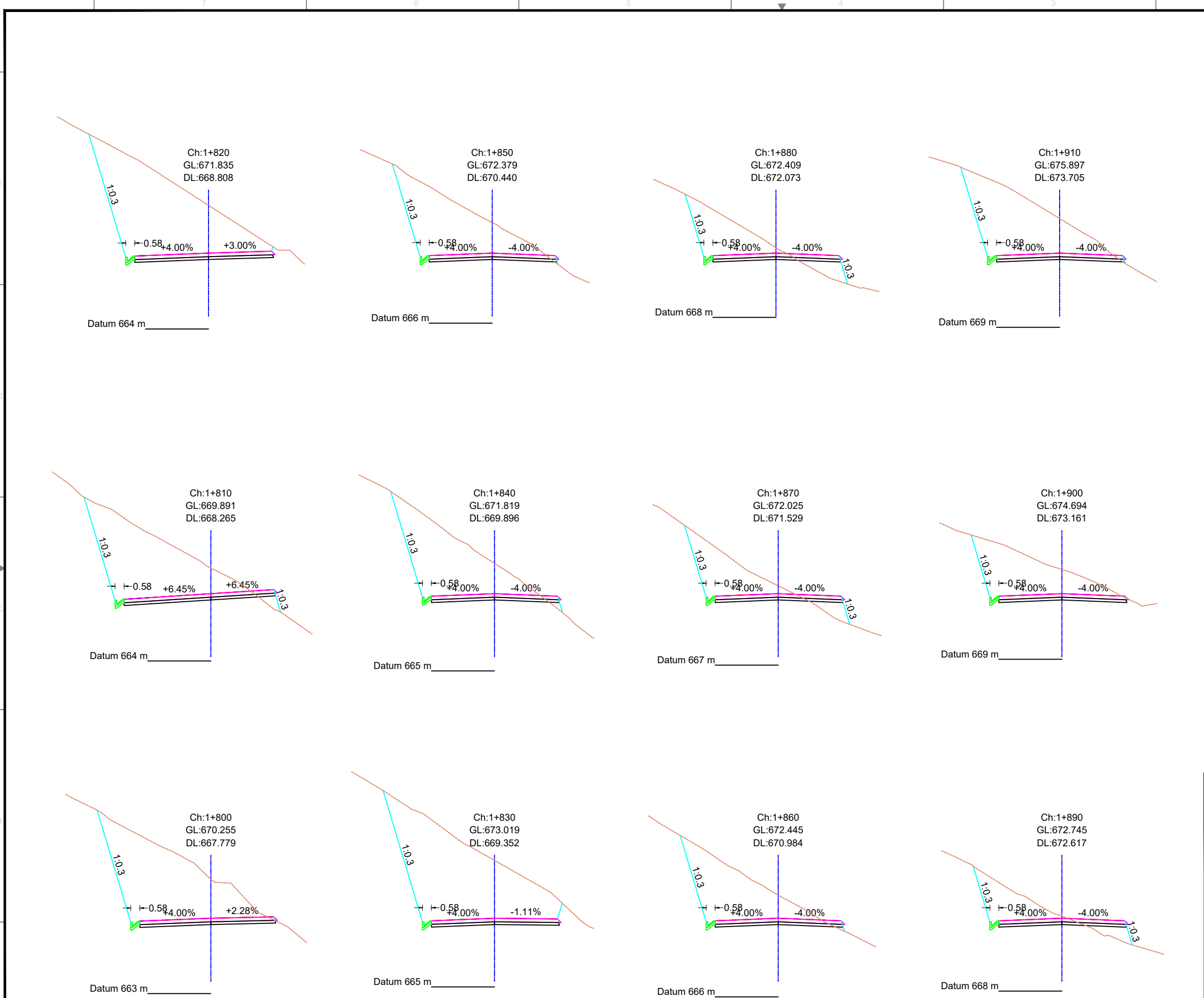
- NOTE:
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 37 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-37			REV NA



- NOTE:
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 38 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-38			REV NA

- NOTE:
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 39 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-39			REV NA



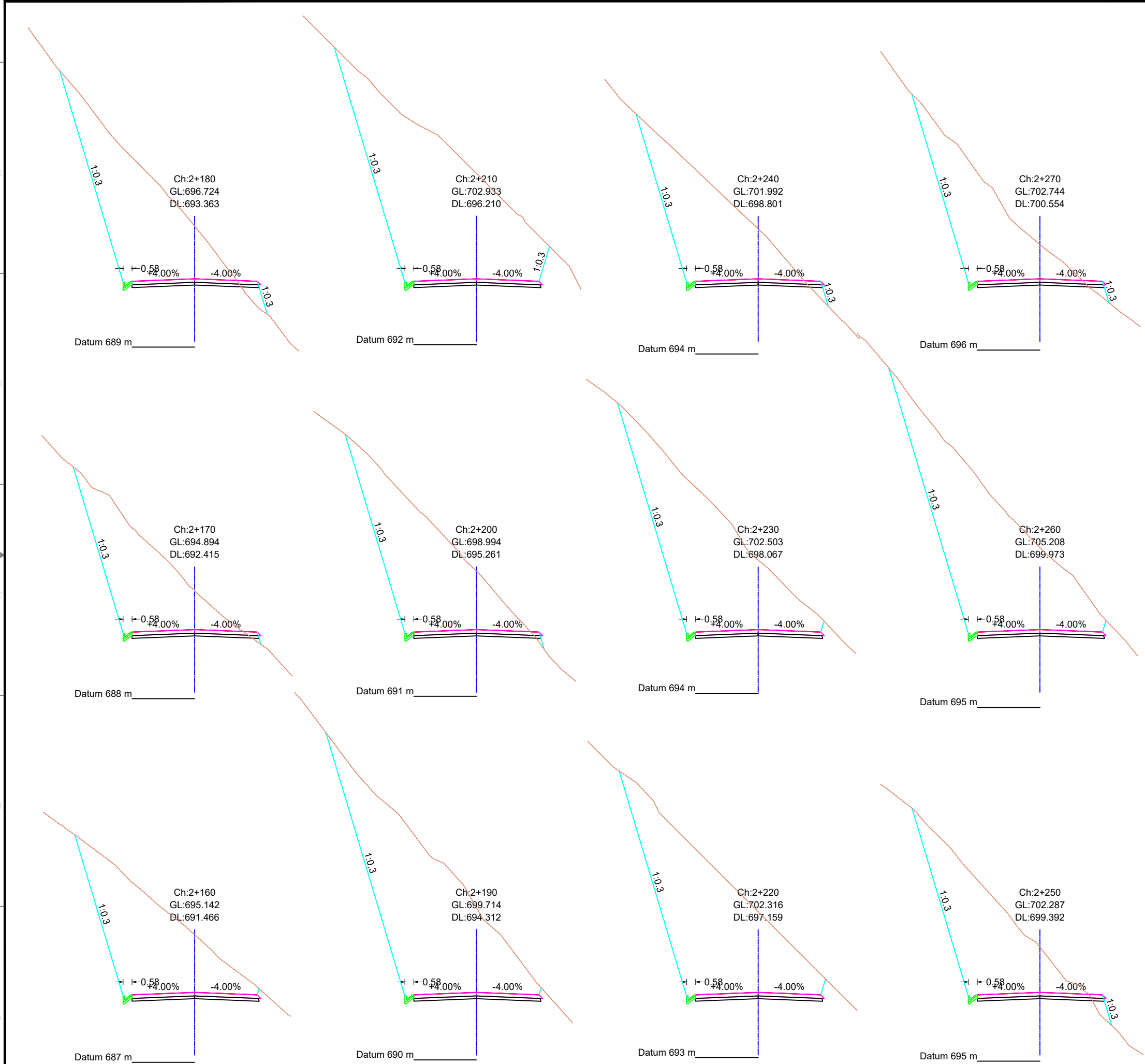
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 40 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-40			REV NA



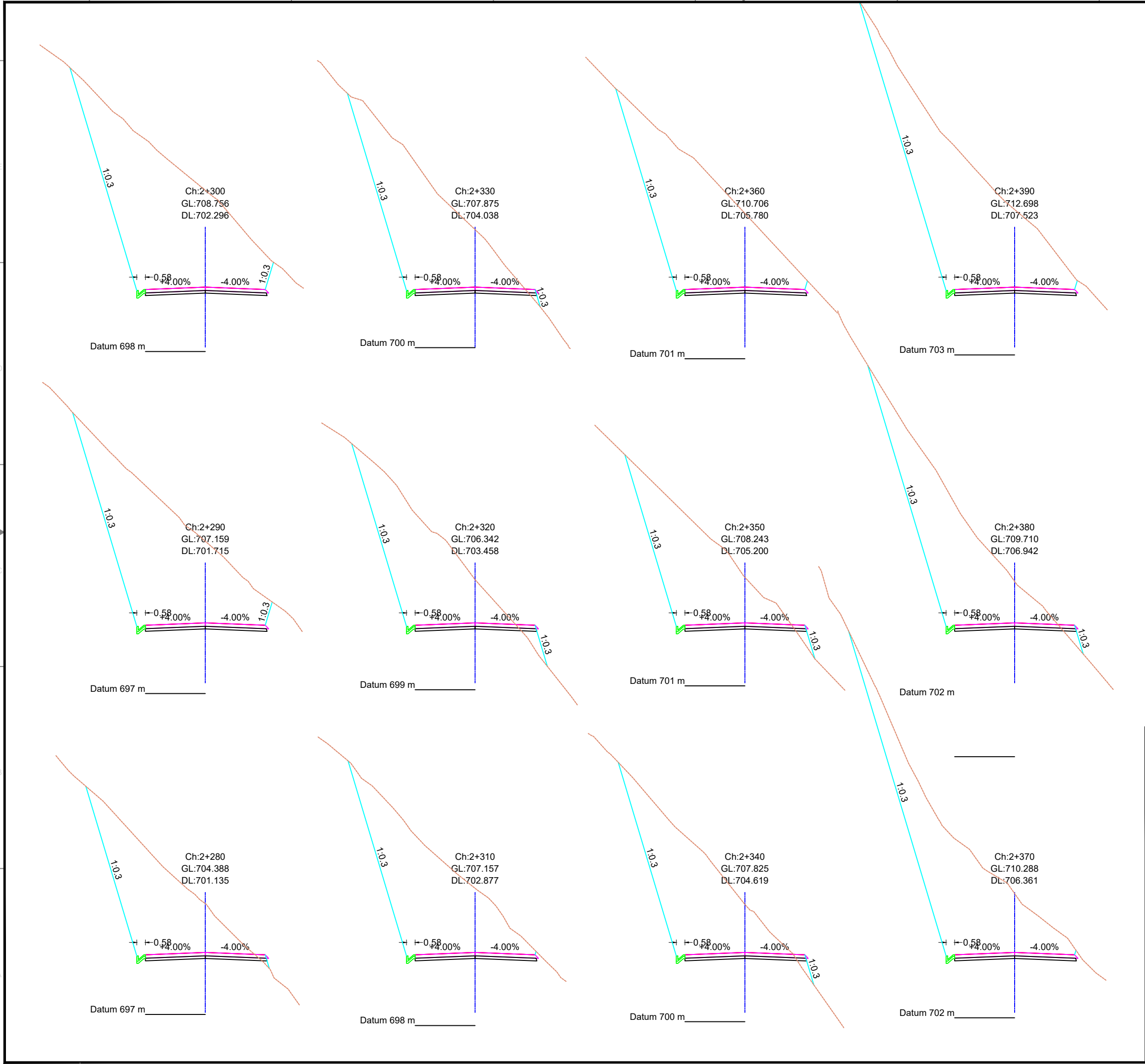
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 41 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	Original Scale	DRAWING NO.			REV
A3	AS SHOWN	DHPP-ROAD-ADIT-4-2024-41			NA



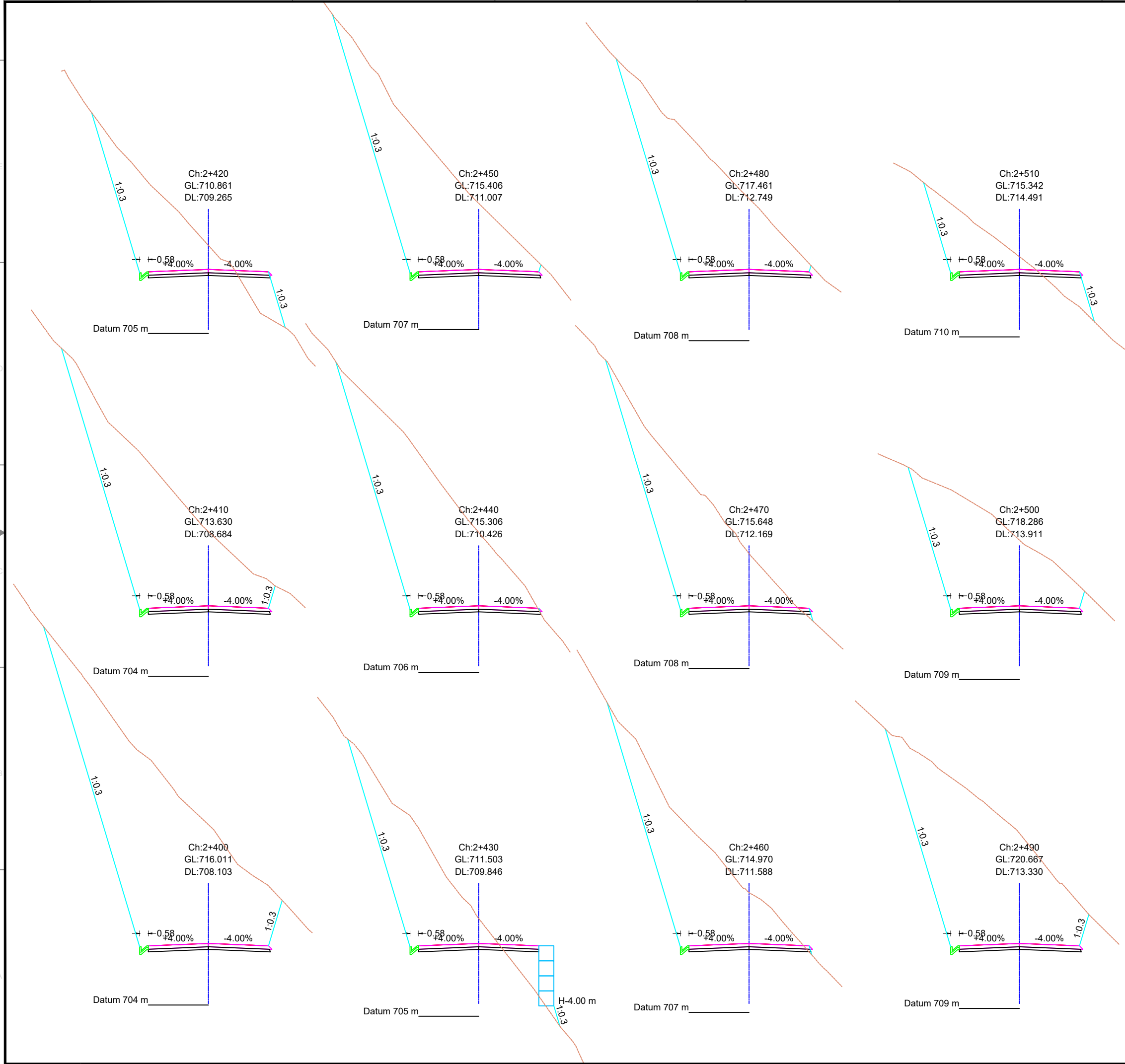
- NOTE:
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION					
SHEET 42 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	Original Scale	DRAWING NO.			REV
A3	AS SHOWN	DHPP-ROAD-ADIT-4-2024-42			NA



- NOTE:
1. ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION					
SHEET 43 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	Original Scale	DRAWING NO.			REV
A3	AS SHOWN	DHPP-ROAD-ADIT-4-2024-43			NA



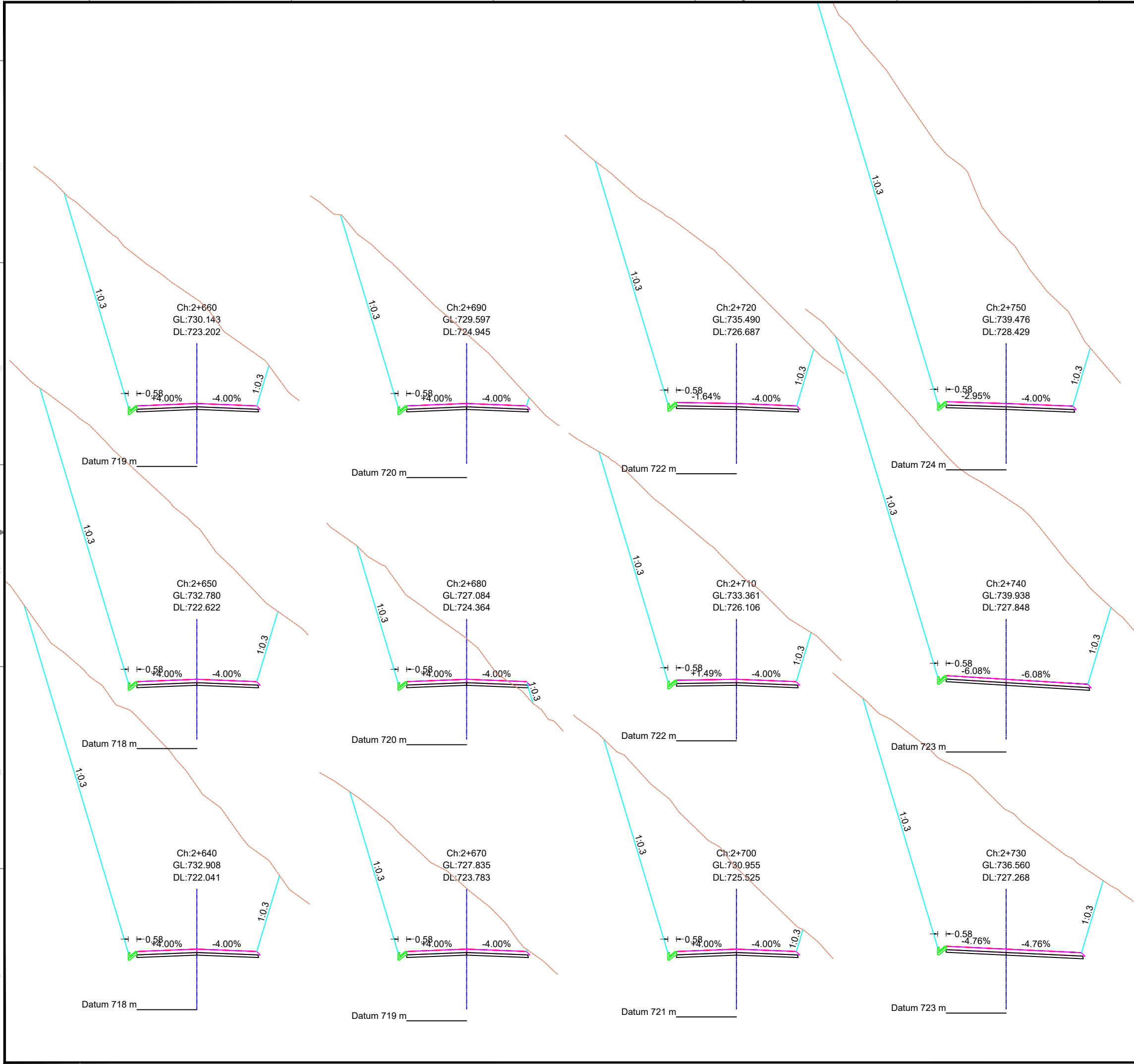
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION


Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION					
SHEET 44 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	Original Scale	DRAWING NO.			REV
A3	AS SHOWN	DHPP-ROAD-ADIT-4-2024-44			NA



- NOTE:
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ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 45 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-45			REV NA




- NOTE:
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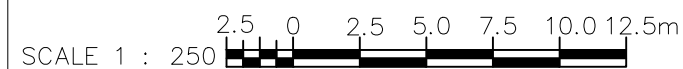


SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 46 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-46			REV NA

- NOTE:
1. ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
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ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 47 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-47		REV	NA




- NOTE:
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 48 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-48			REV NA




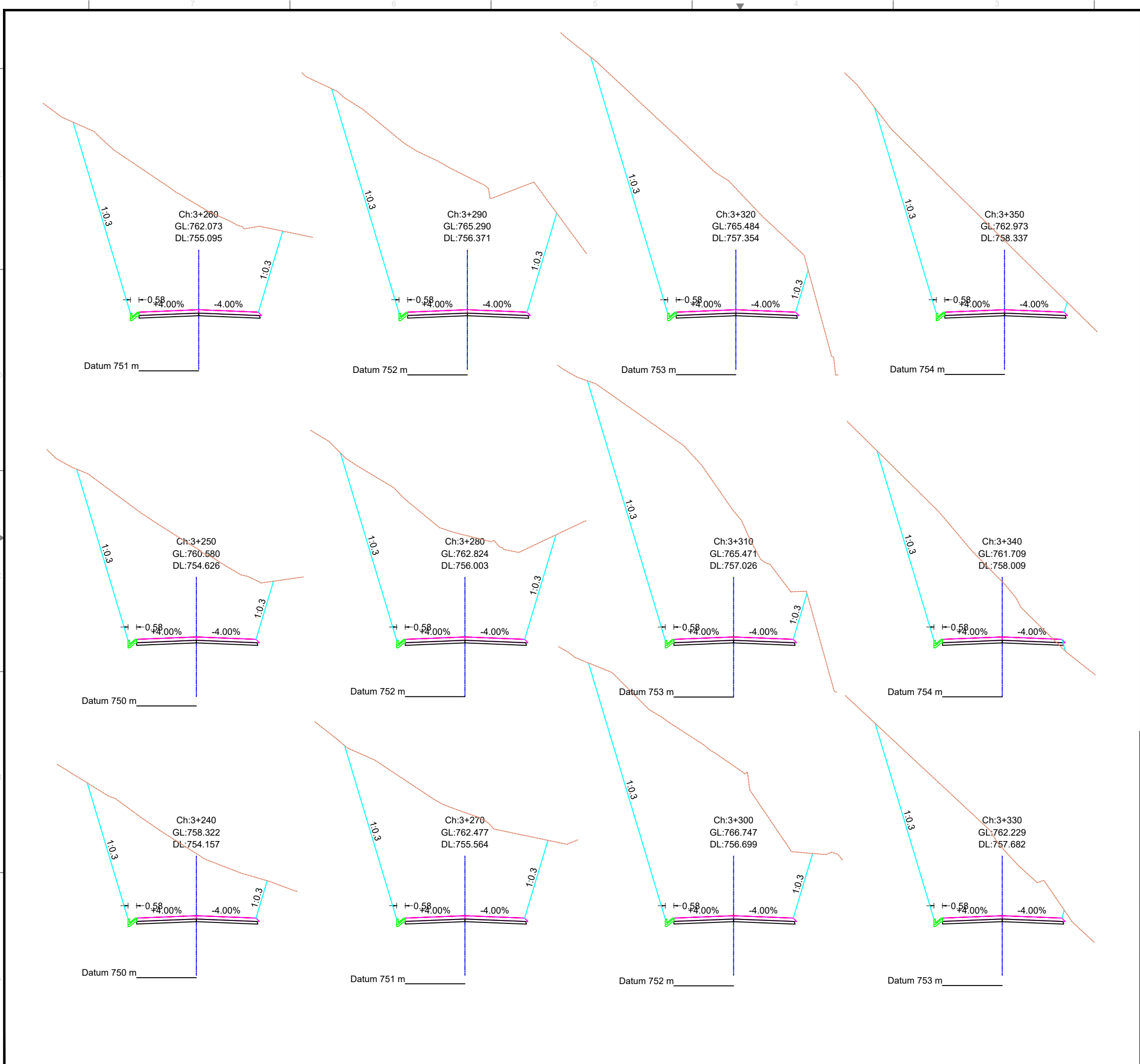
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 49 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-49		REV	NA



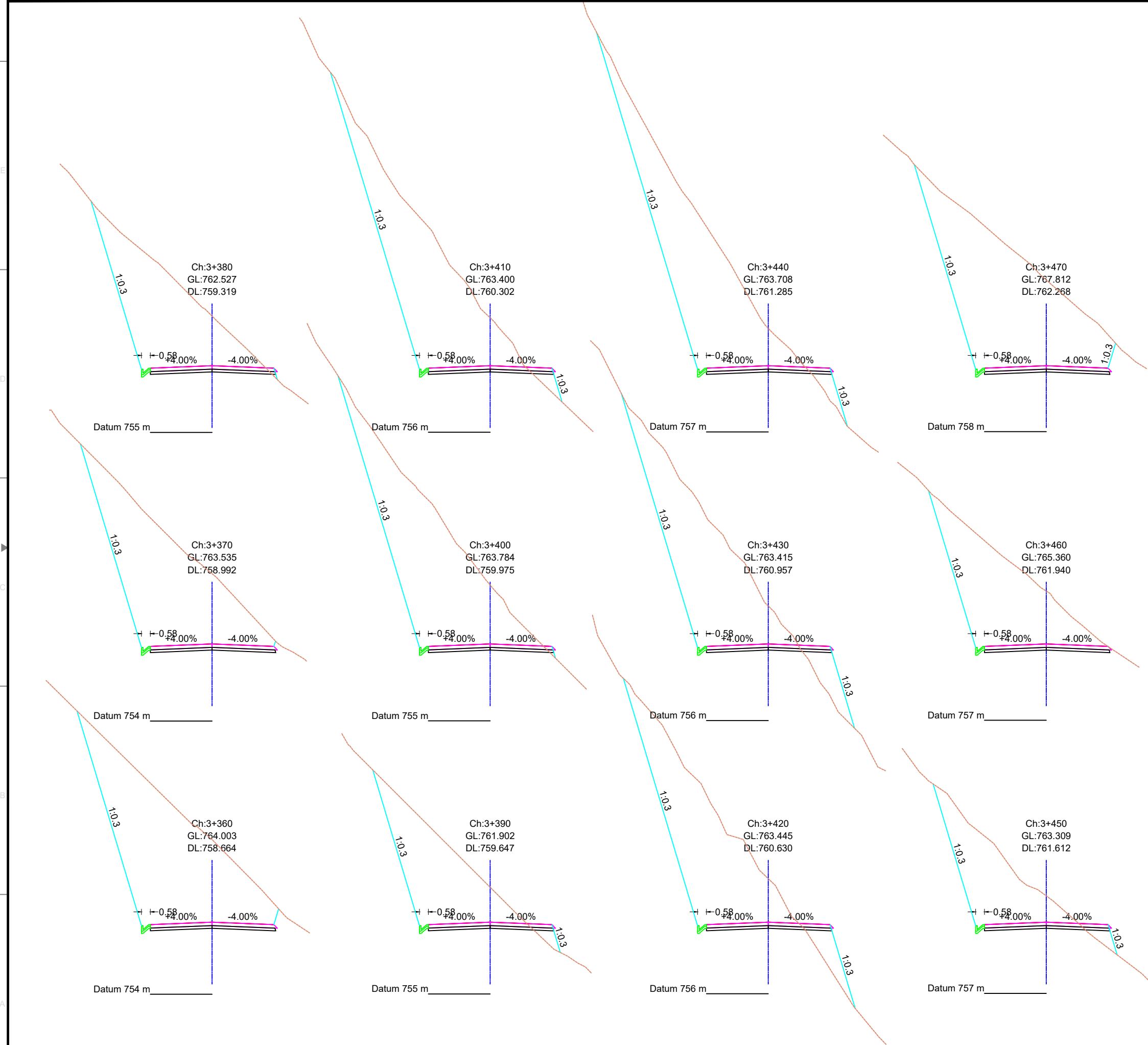
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 50 OF 73					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-50			REV NA



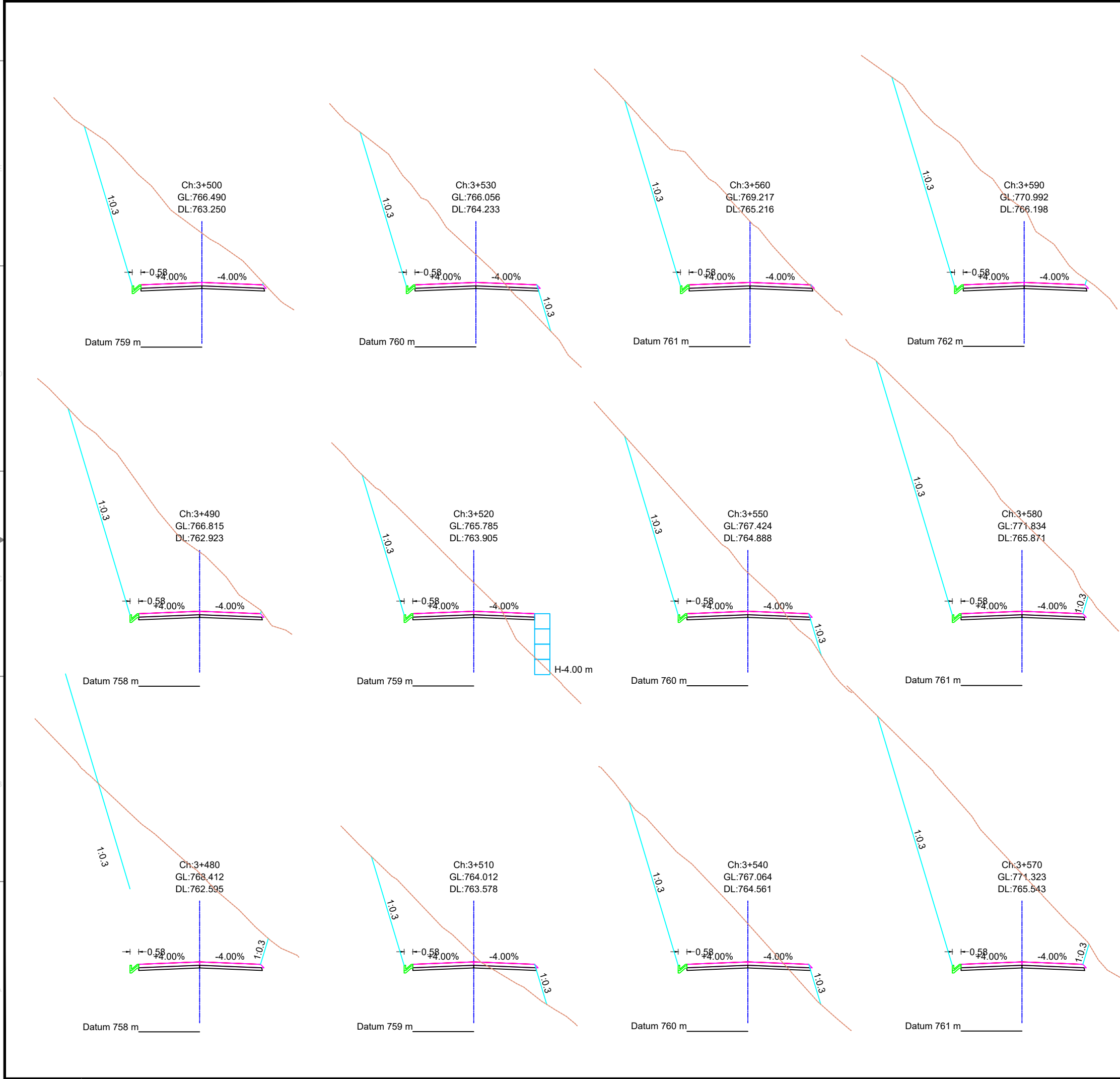
- NOTE:
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 51 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-51			REV NA



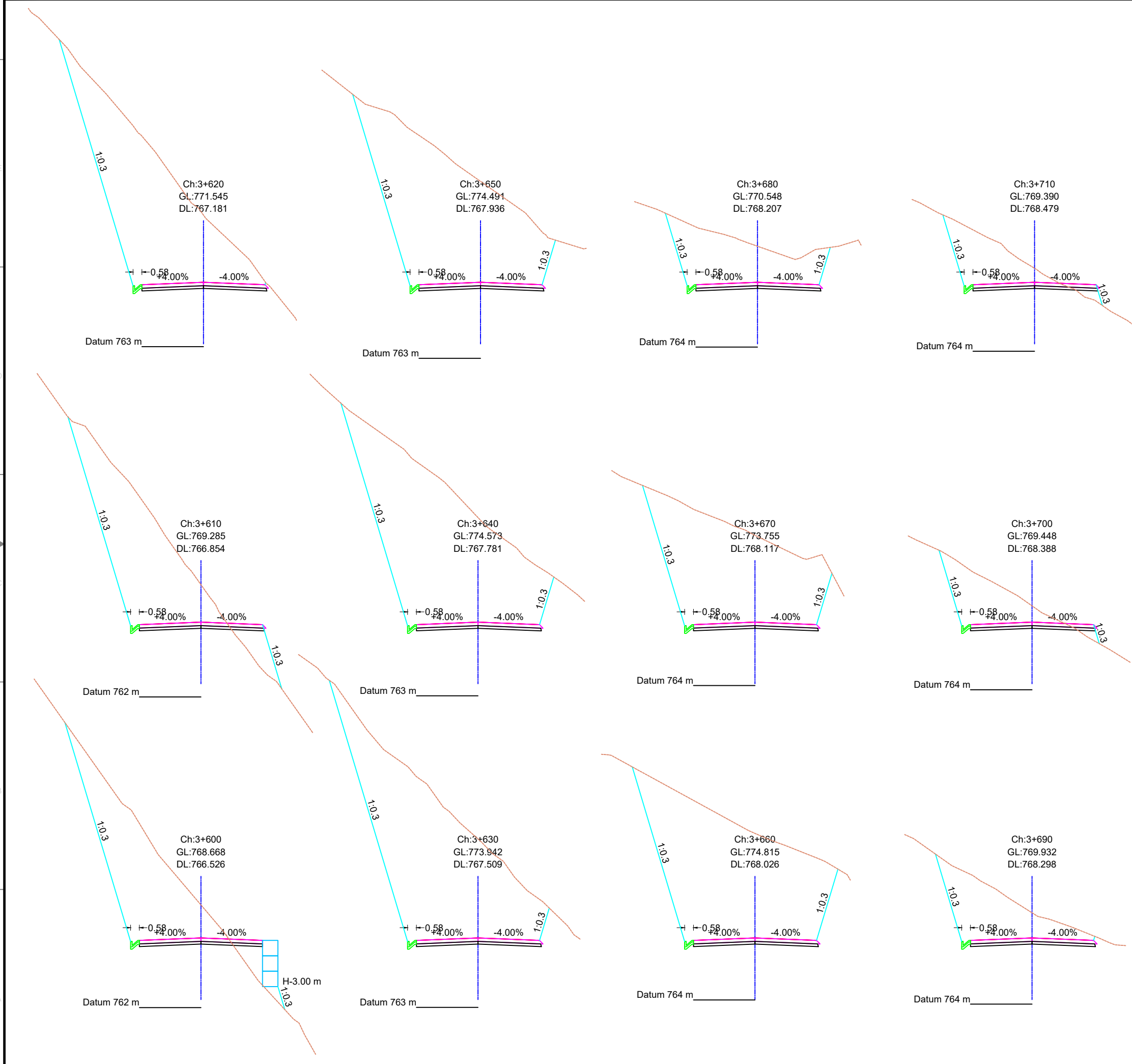
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 52 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-52			REV NA




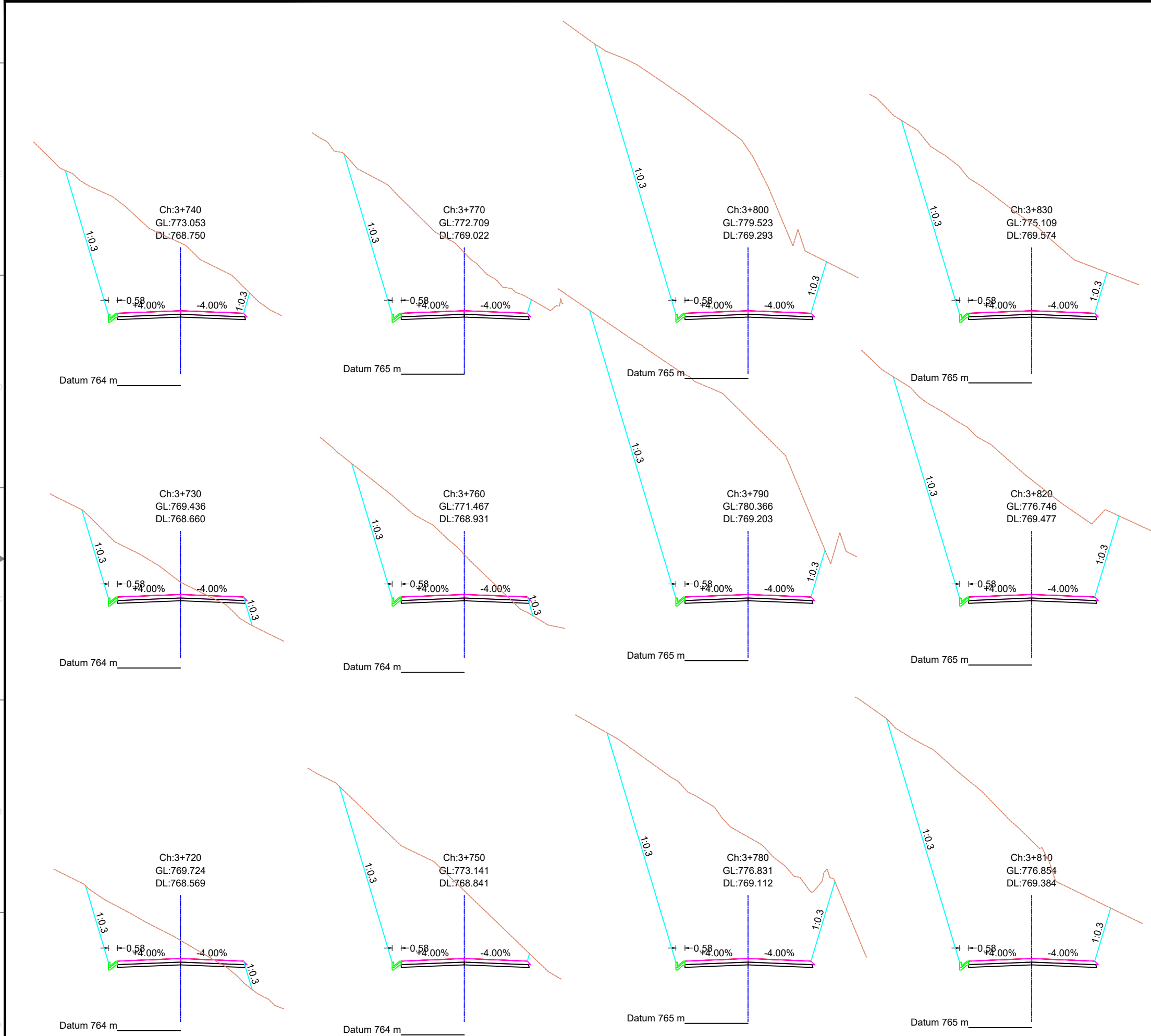
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 53 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-53			REV NA



- NOTE:
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SCALE 1 : 250


ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 54 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-54			REV NA

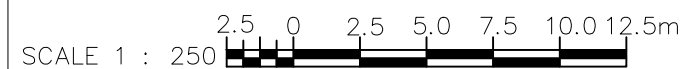
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ISSUED FOR CONSTRUCTION

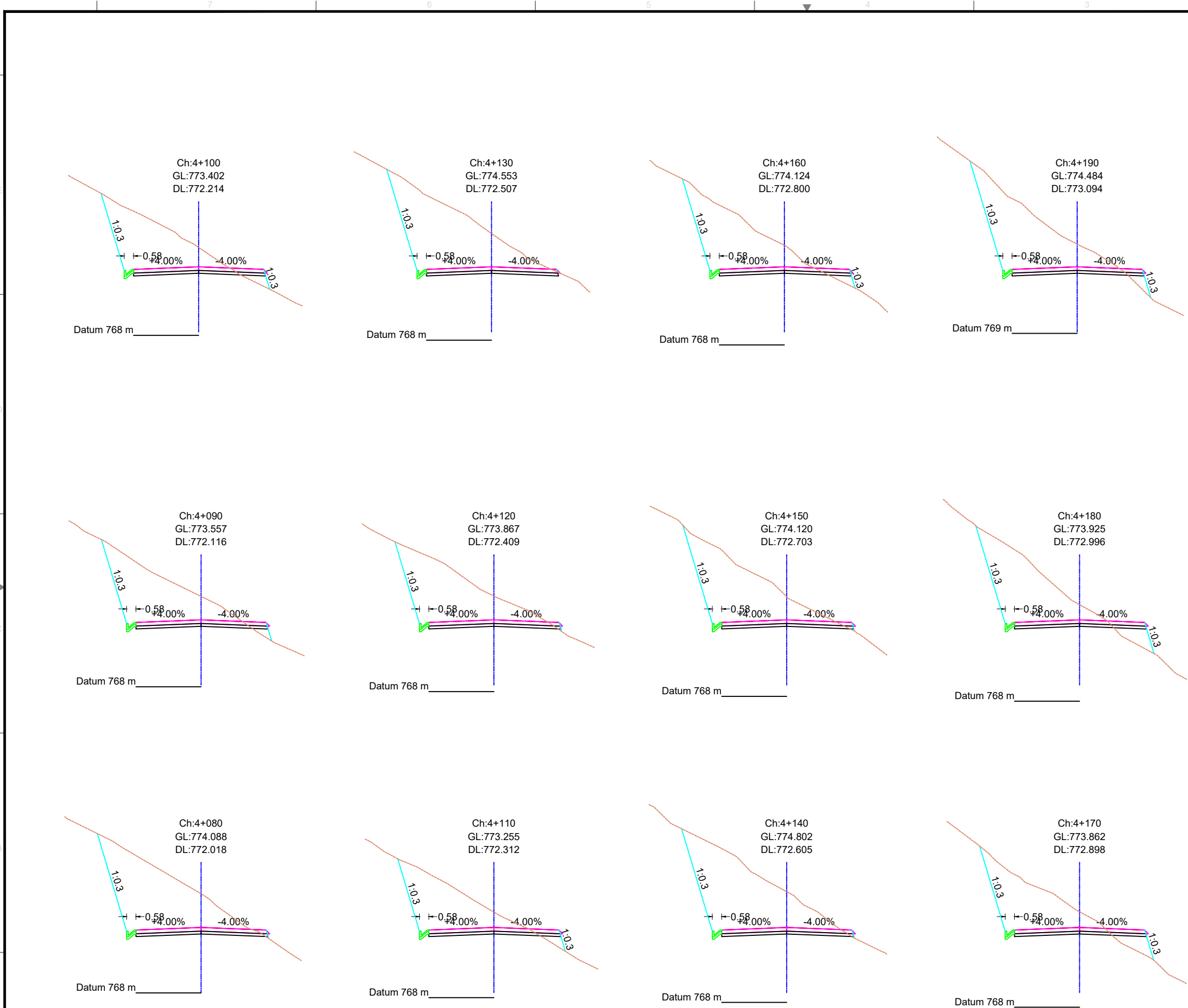
Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 55 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-55			REV NA

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ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 56 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-56			REV NA



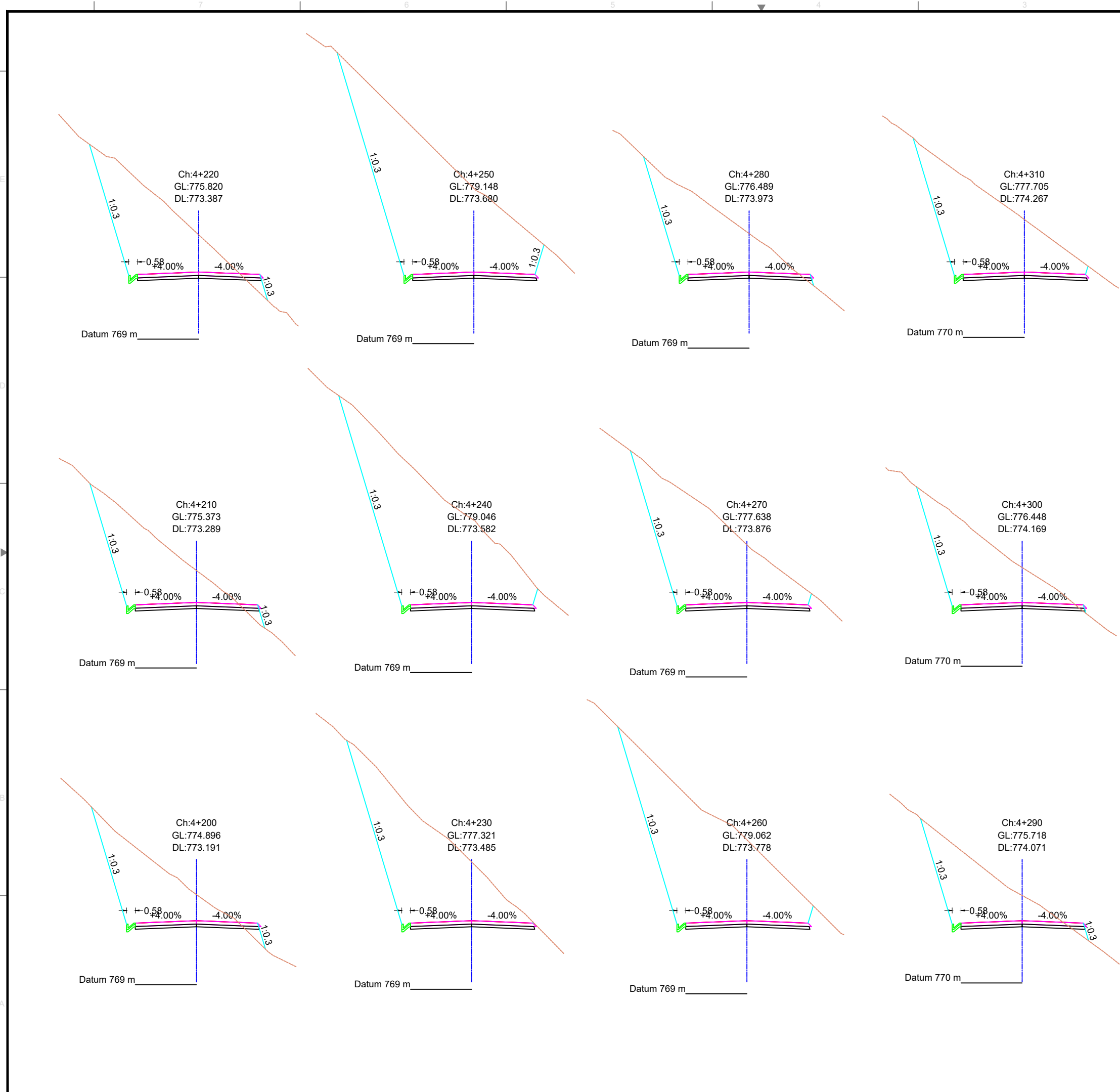
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION					
SHEET 57 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	Original Scale	DRAWING NO.		REV	
A3	AS SHOWN	DHPP-ROAD-ADIT-4-2024-57		NA	



- NOTE:
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 58 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-58		REV NA	

- NOTE:
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 59 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-59			REV NA



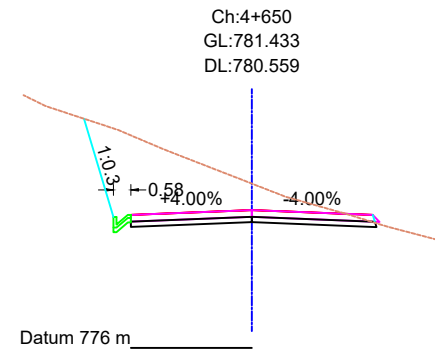
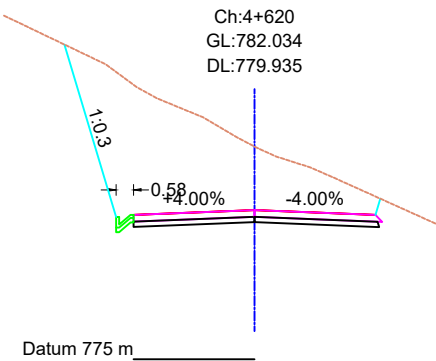
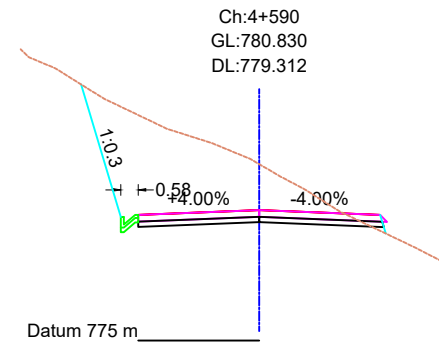
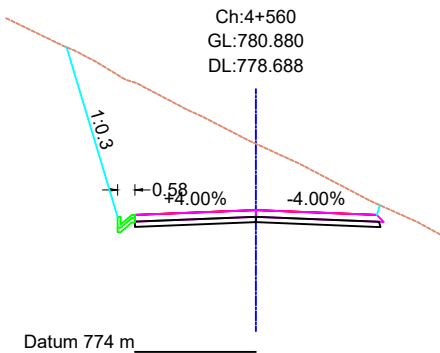
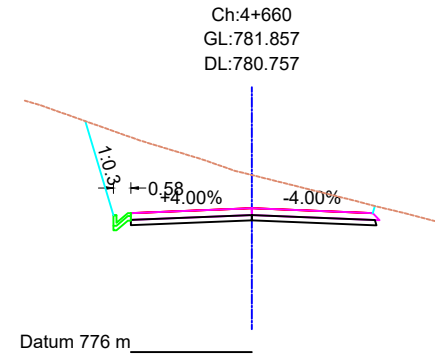
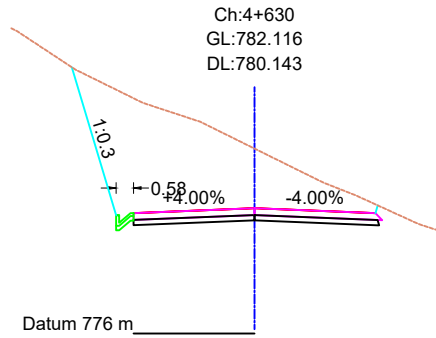
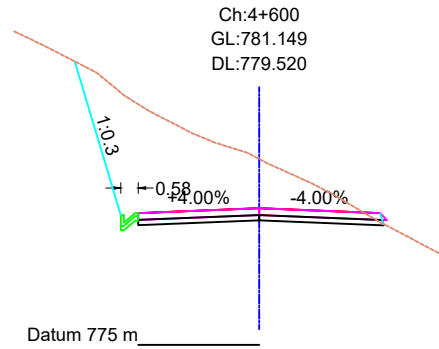
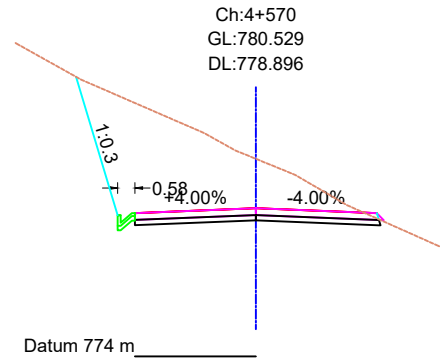
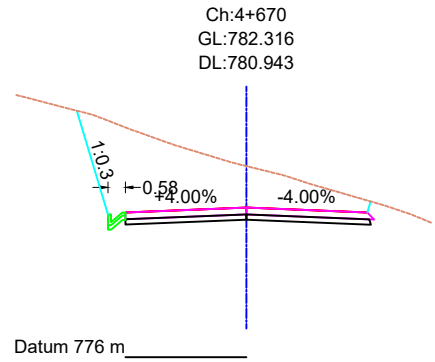
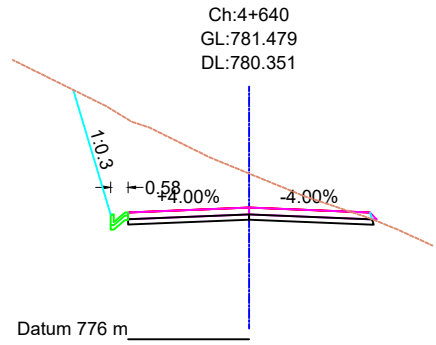
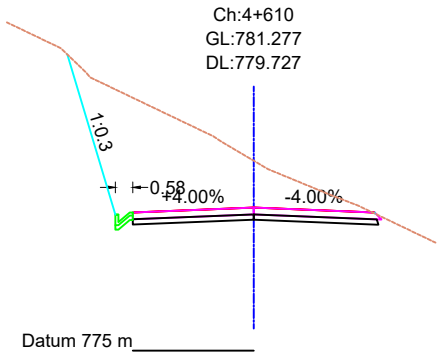
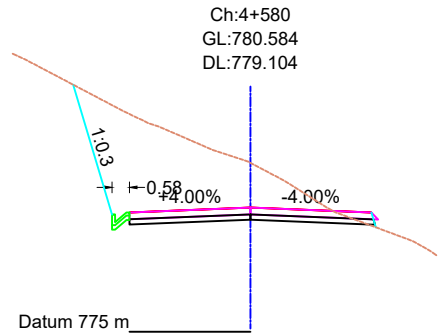
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 60 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-60			REV NA



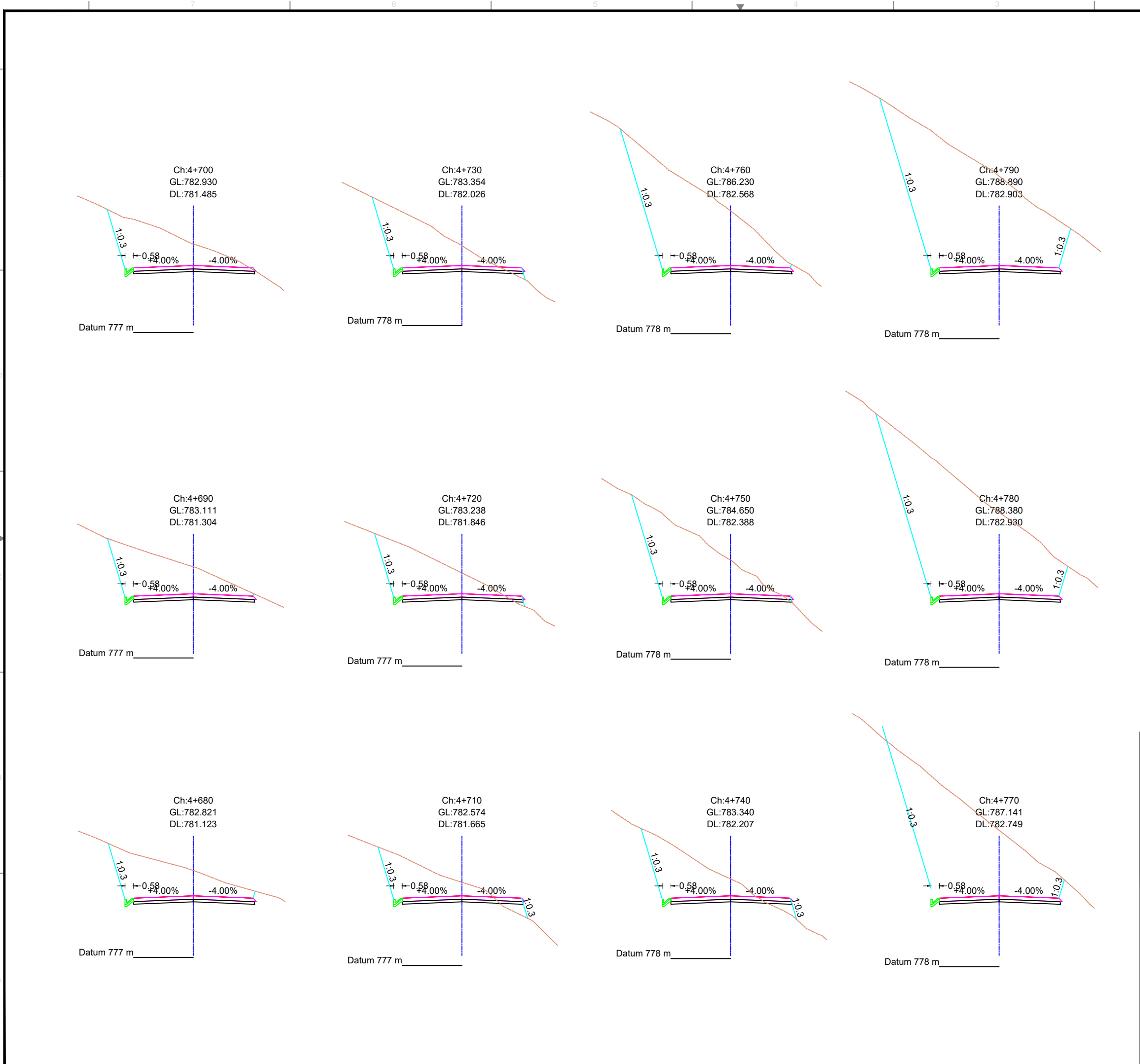
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 61 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-61			REV NA



- NOTE:
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 62 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	Original Scale	DRAWING NO.			REV
A3	AS SHOWN	DHPP-ROAD-ADIT-4-2024-62			NA

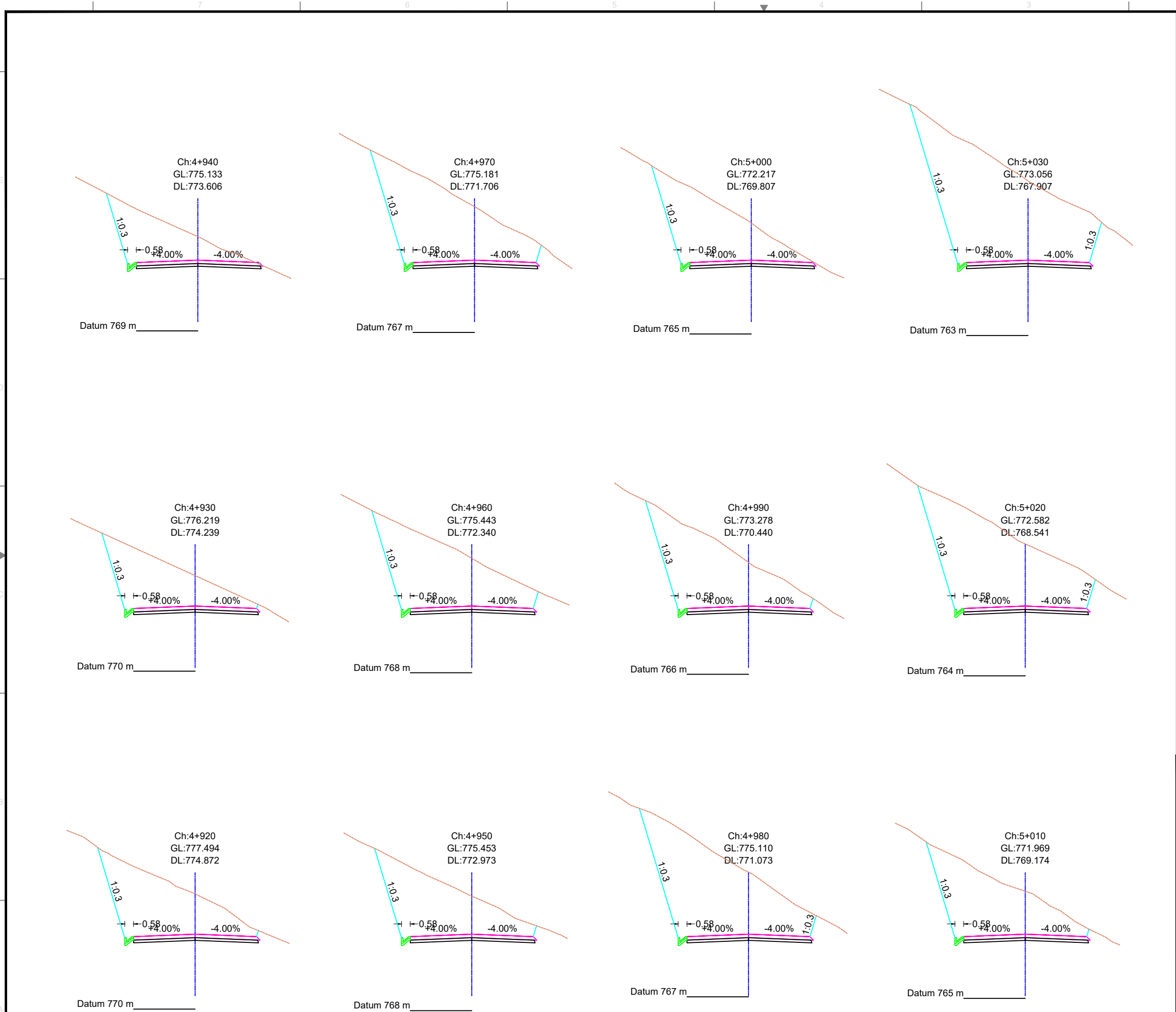
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION					
SHEET 63 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
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		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-63			REV NA



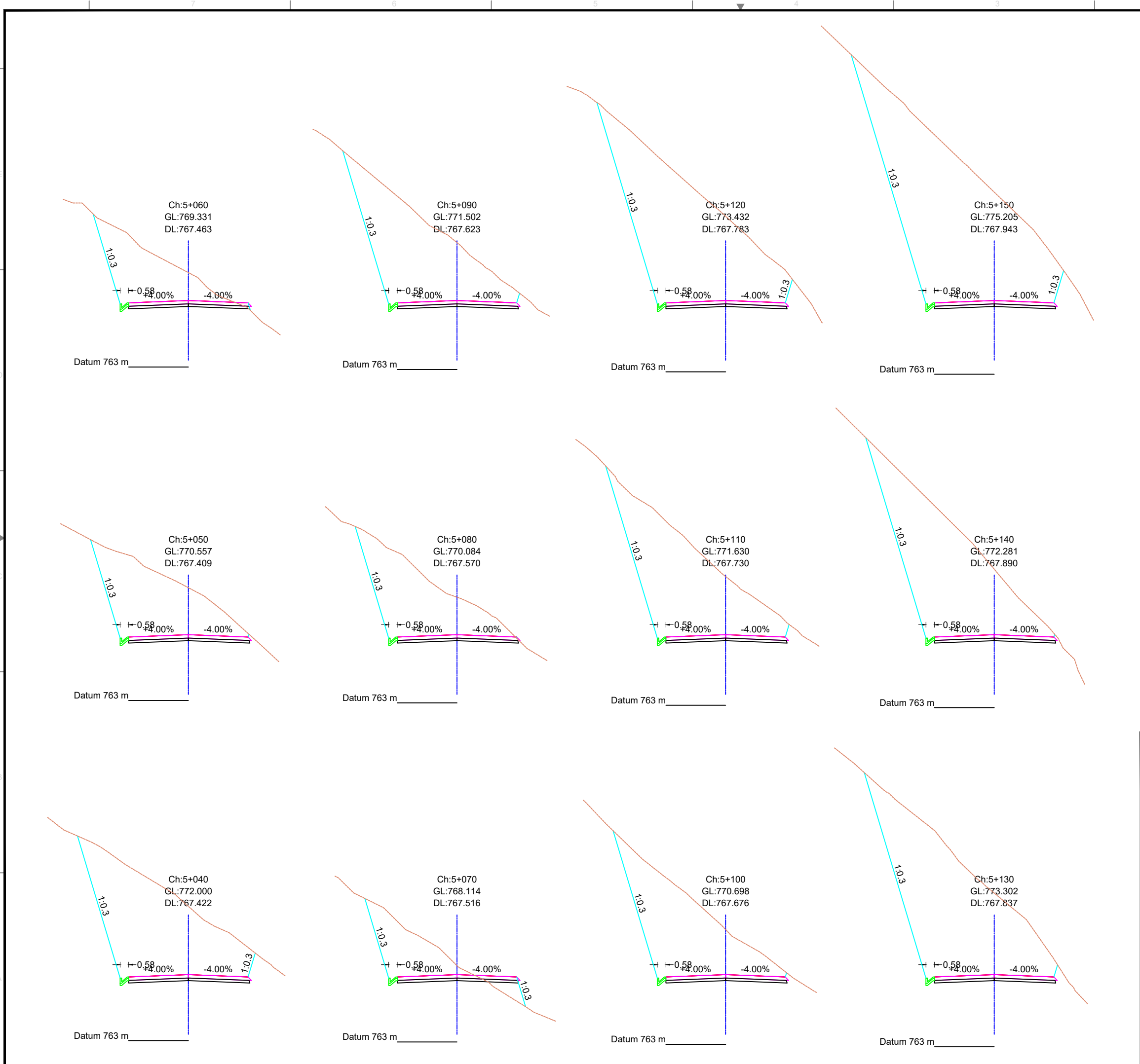
- NOTE:
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 64 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	Original Scale	DRAWING NO.			REV
A3	AS SHOWN	DHPP-ROAD-ADIT-4-2024-64			NA



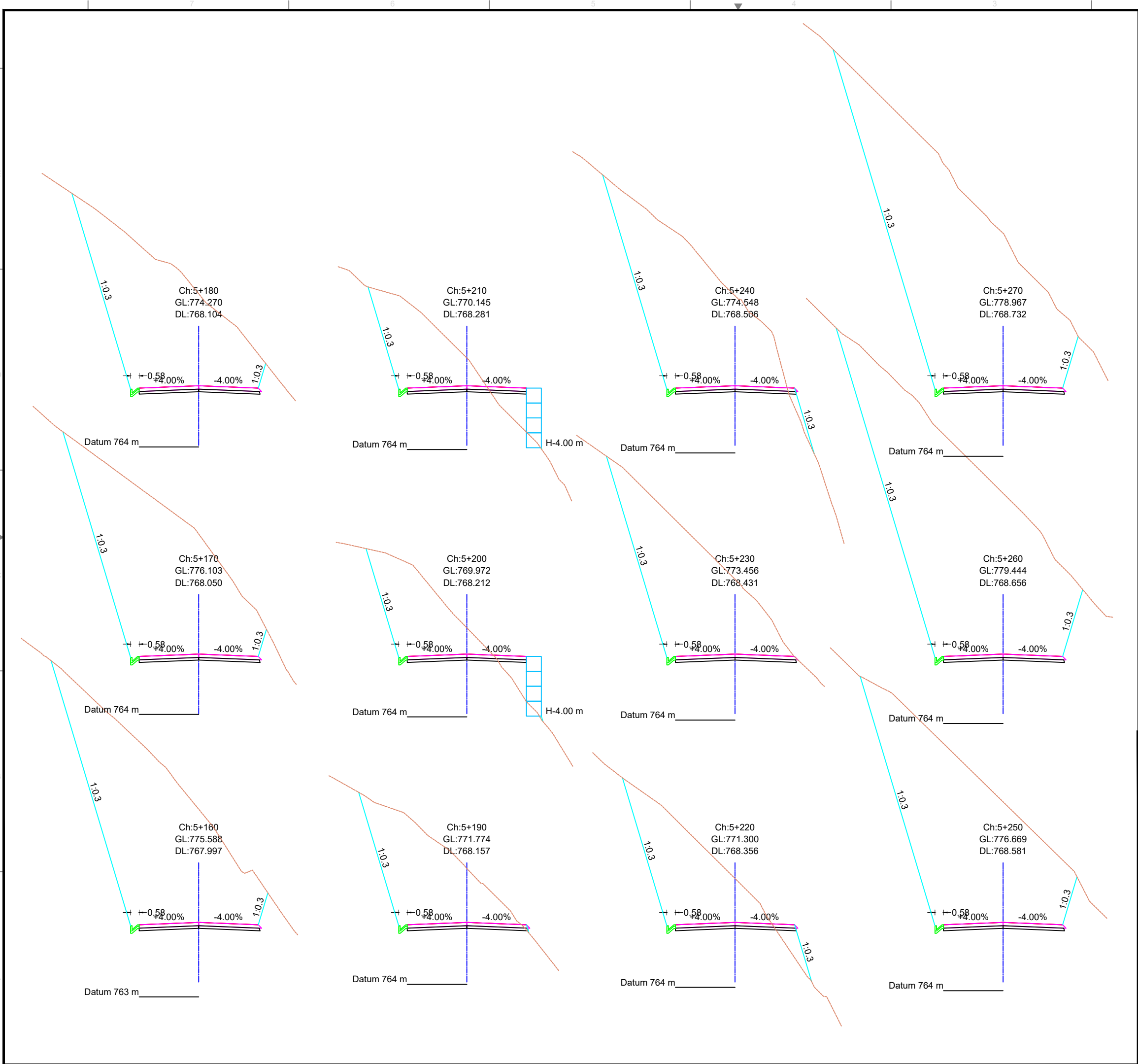
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION					
SHEET 65 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	A3	Original Scale	AS SHOWN	DRAWING NO.	REV
		DHPP-ROAD-ADIT-4-2024-65		NA	




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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 66 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-66			REV NA

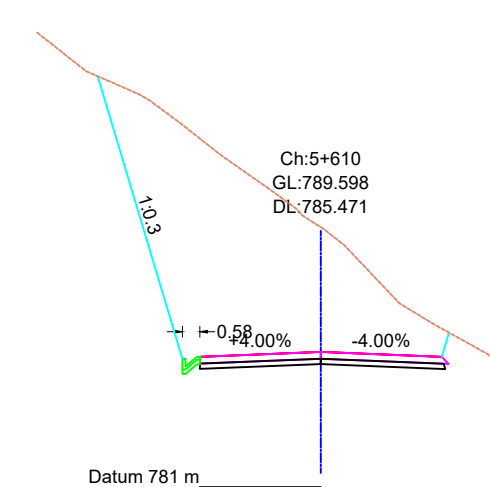
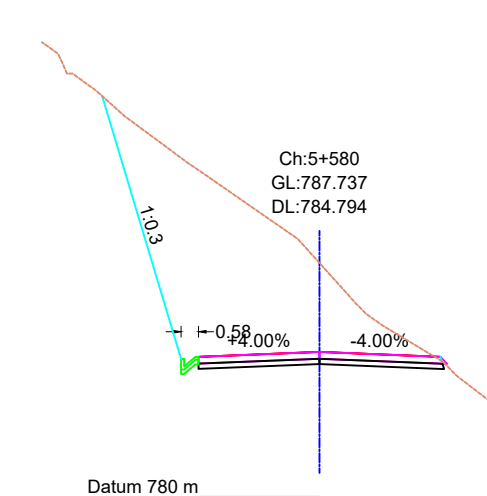
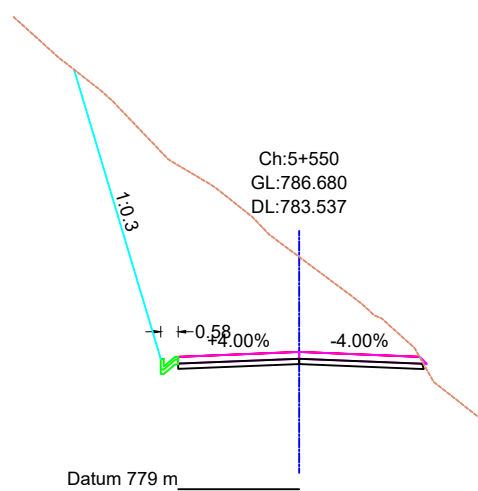
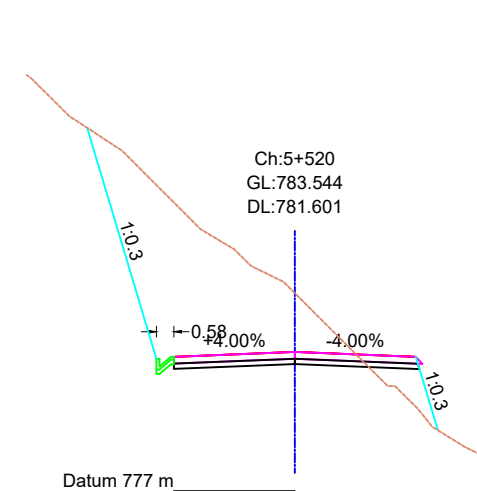
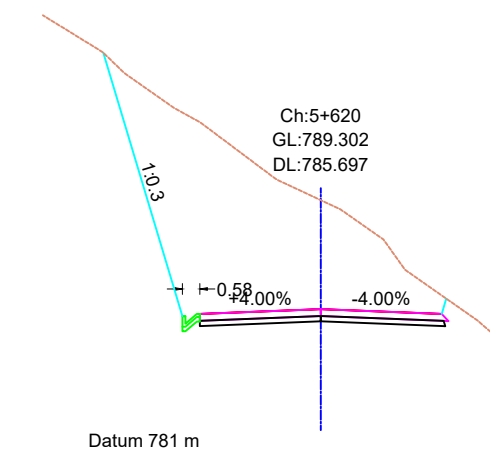
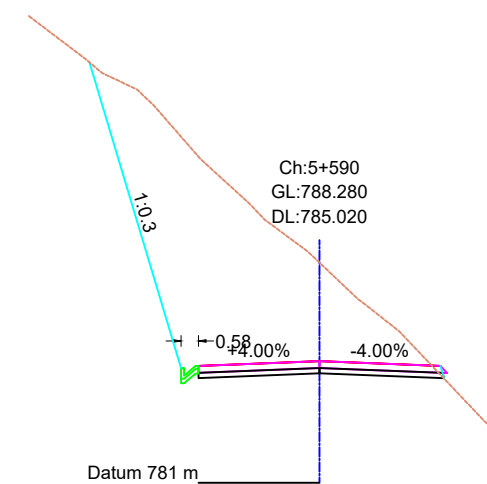
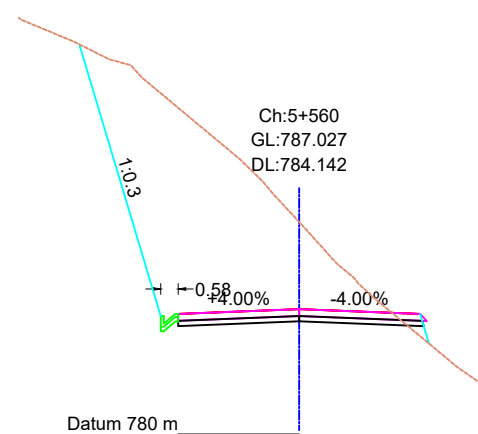
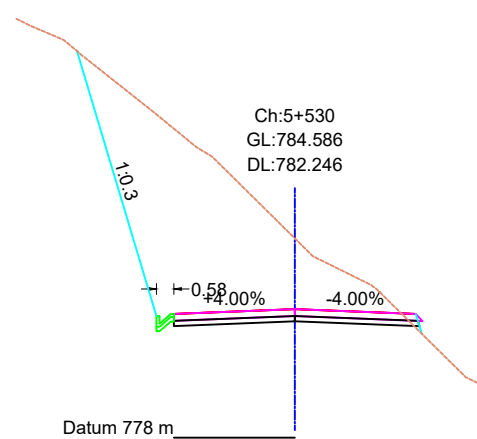
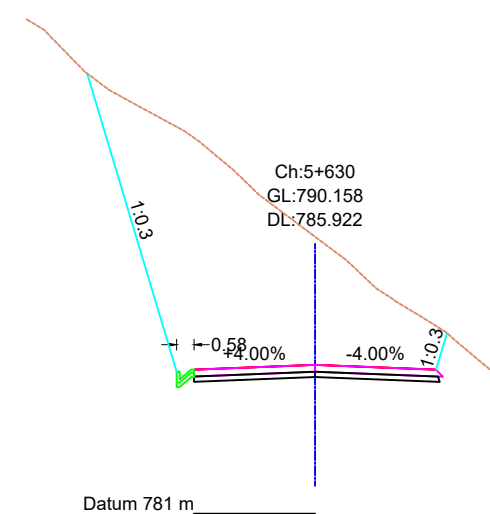
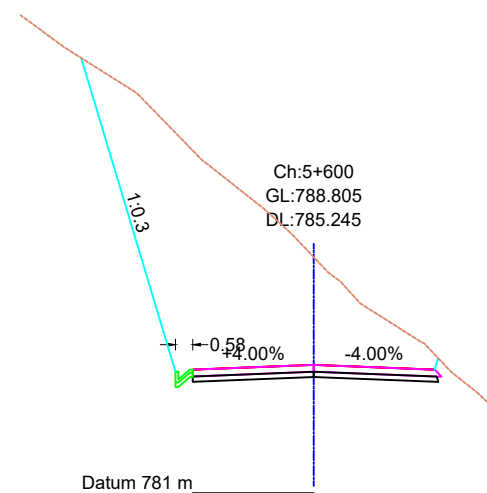
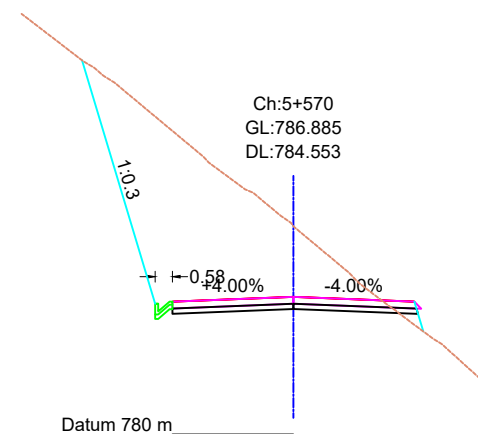
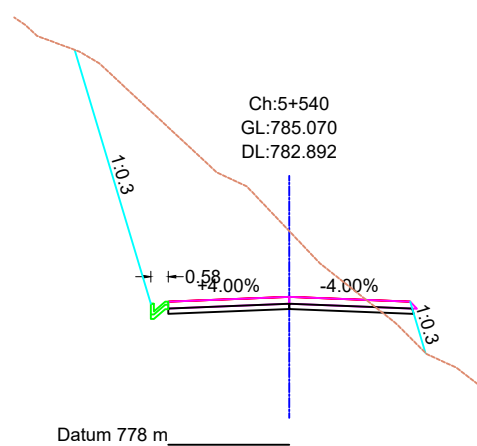
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 68 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-68			REV NA




NOTE:

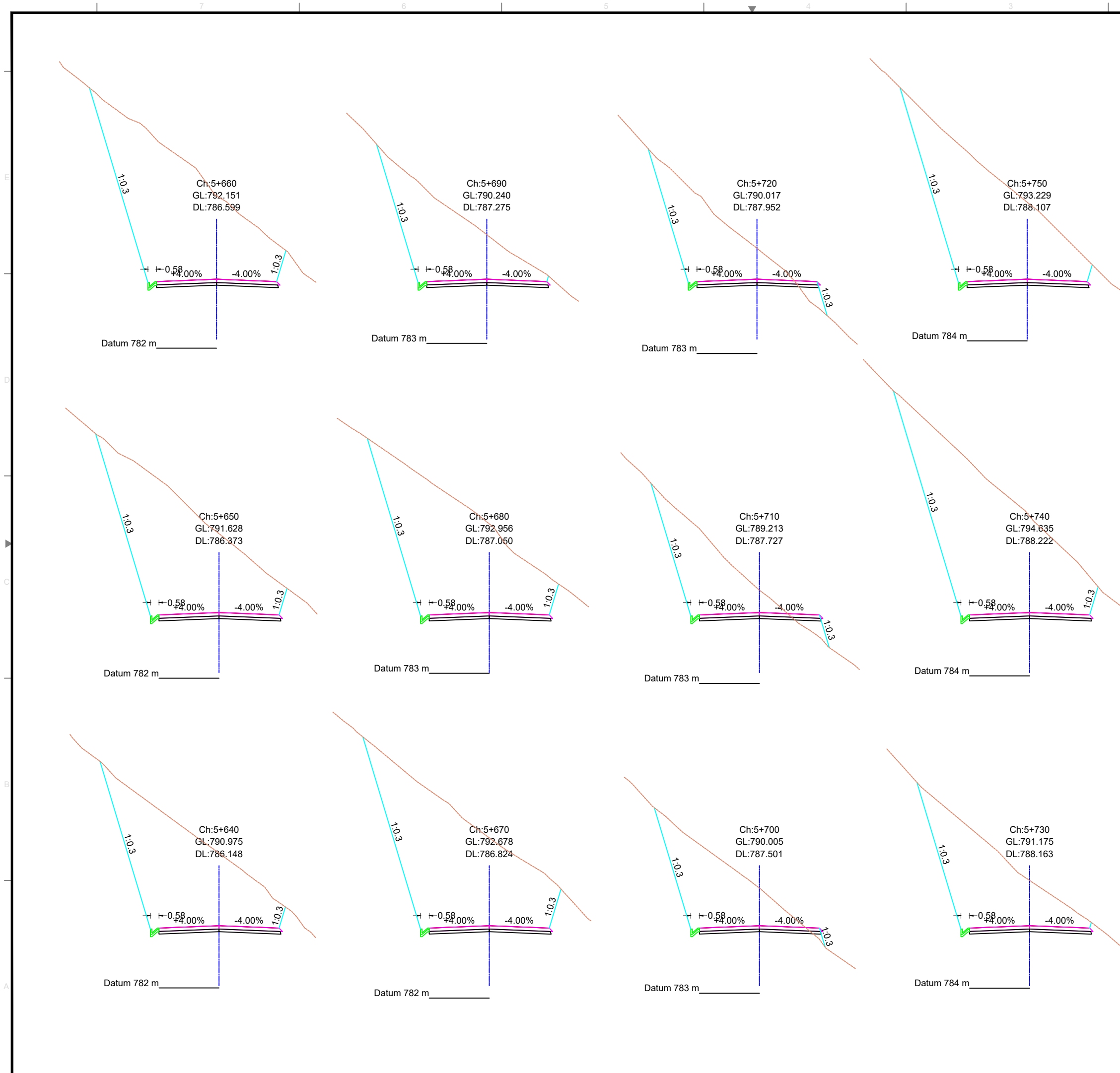
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 69 OF 75					
CONSULTANT:  འབྲས་སྤྱོད་ཚོད་ལྟ་བུ་ Drink Green Consultancy			NAME	SIG.	
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-69			REV NA



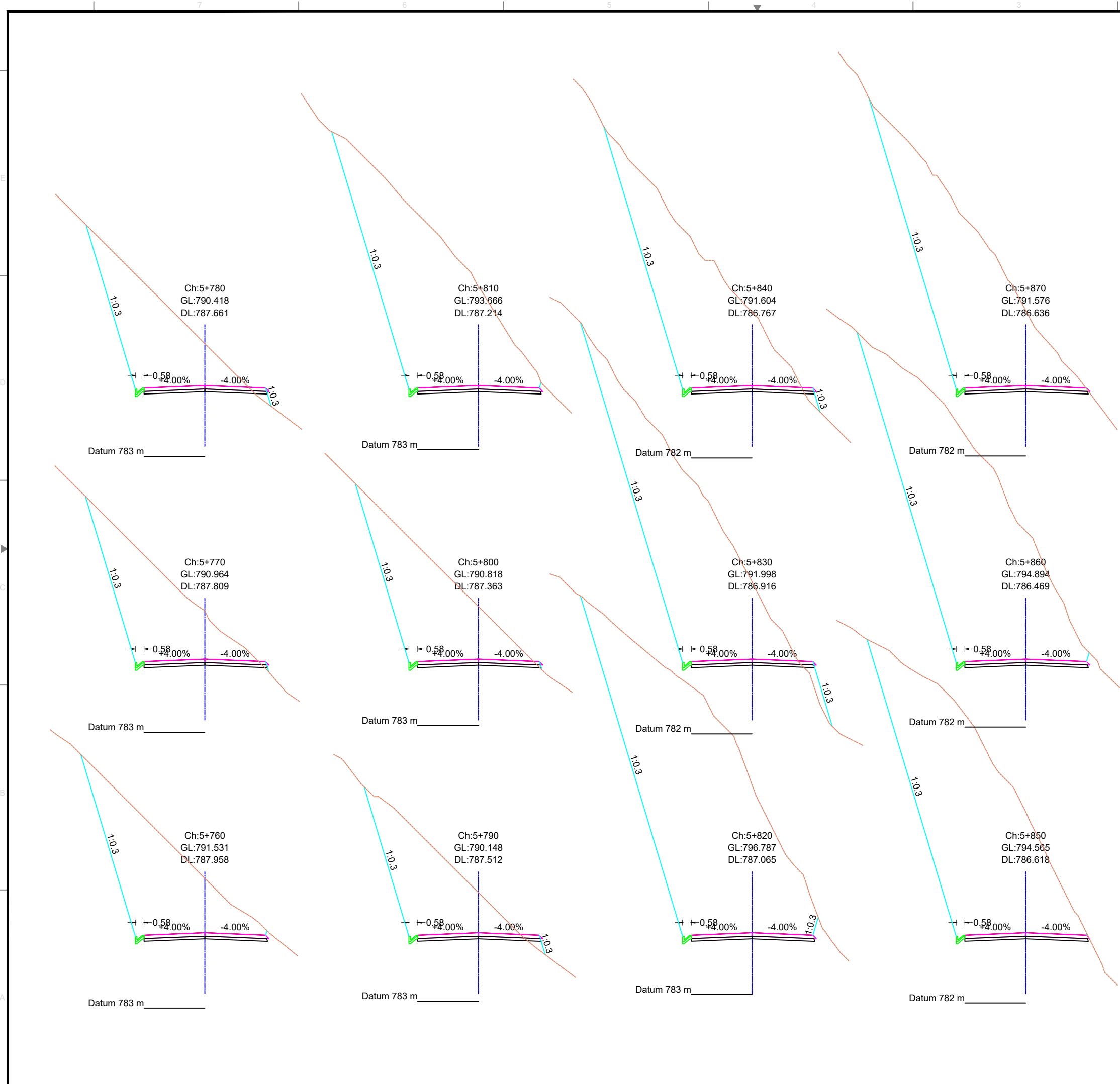
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 70 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	Original Scale	DRAWING NO.			REV
A3	AS SHOWN	DHPP-ROAD-ADIT-4-2024-70			NA



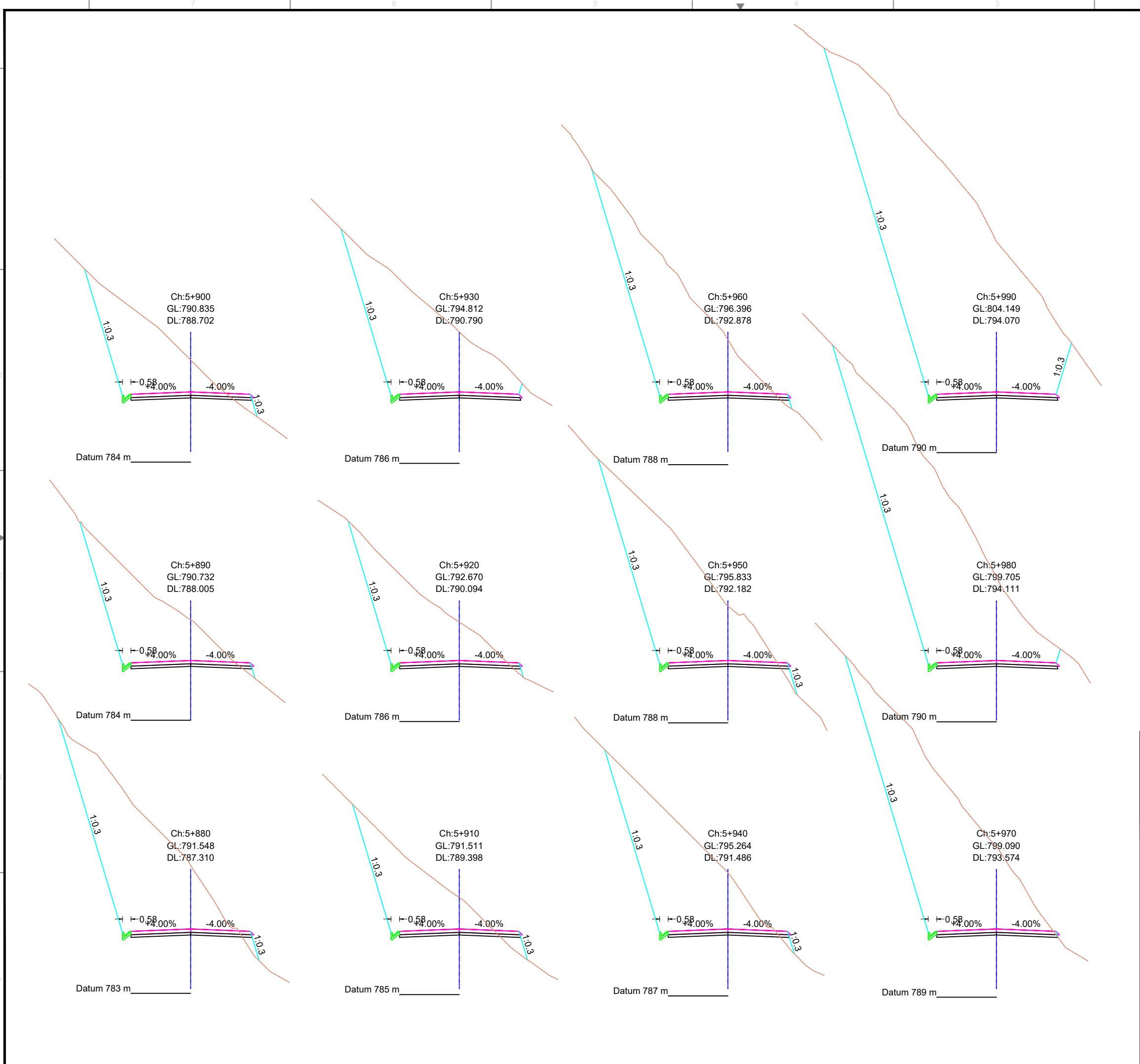
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 71 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-71			REV NA



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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 72 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	Original Scale	DRAWING NO.			REV
A3	AS SHOWN	DHPP-ROAD-ADIT-4-2024-72			NA




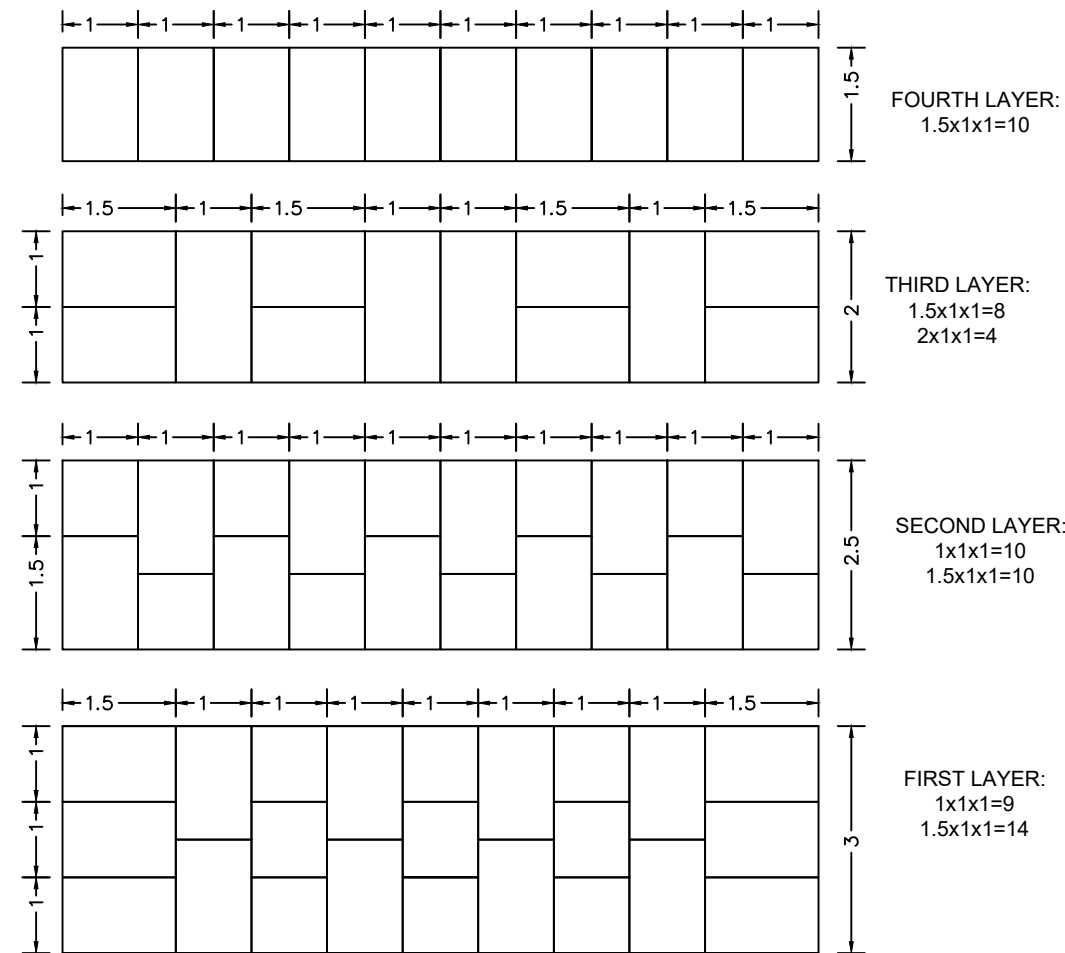
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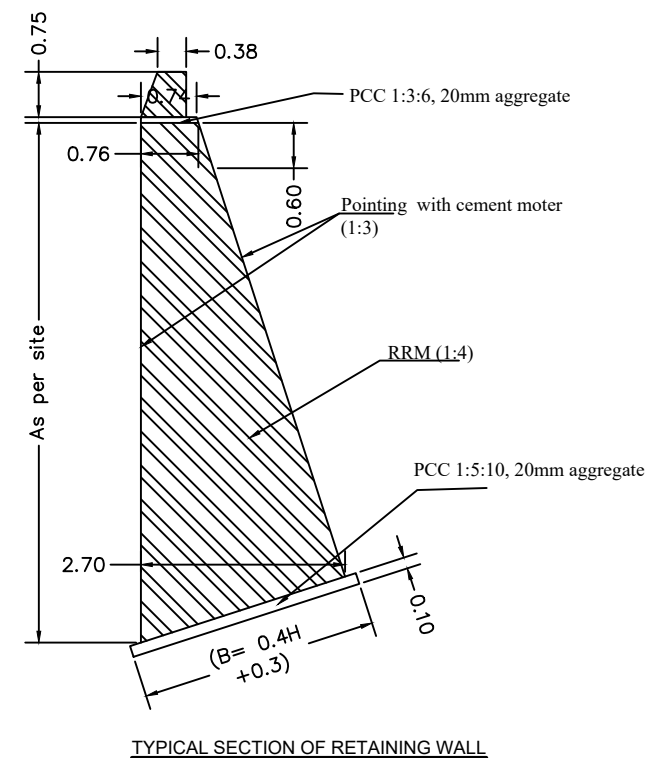
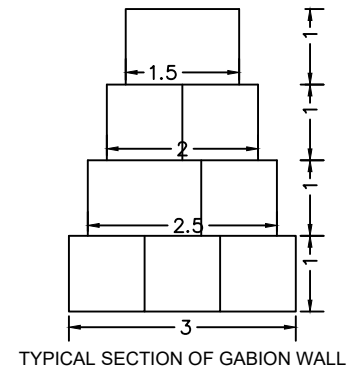
SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 73 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-73			REV NA



GABION WALL PLAN.



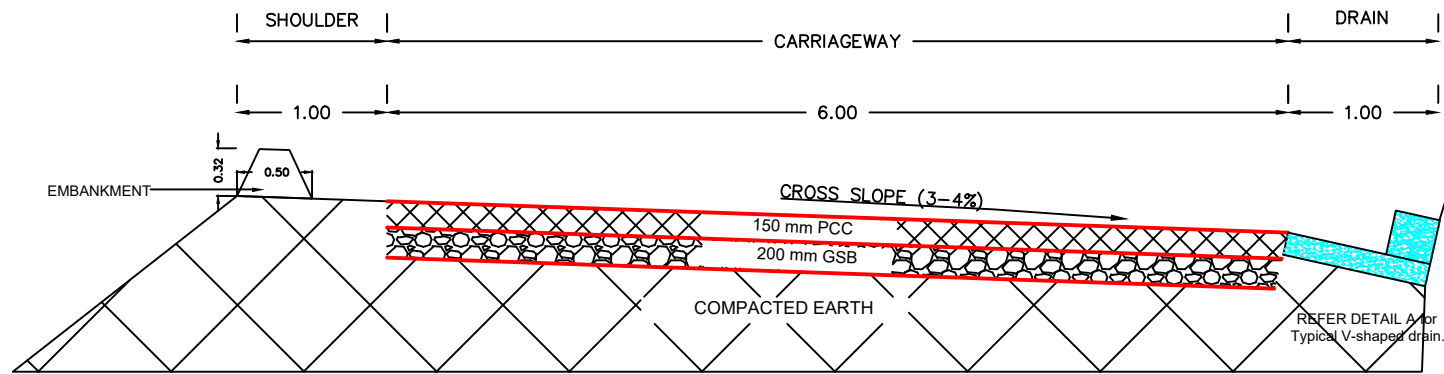
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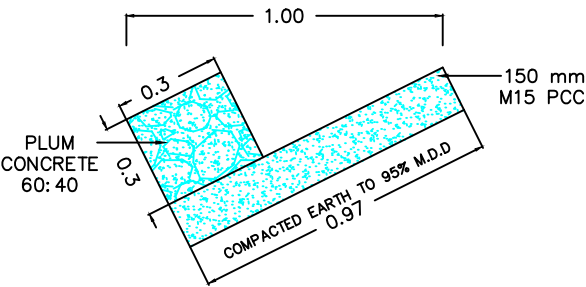
SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION					
SHEET 74 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	Original Scale	DRAWING NO.	REV		
A3	AS SHOWN	DHPP-ROAD-ADIT-4-2024-74	NA		



Typical One-way Camber Cross Slope in Super Elevated Sections for Double Lane.



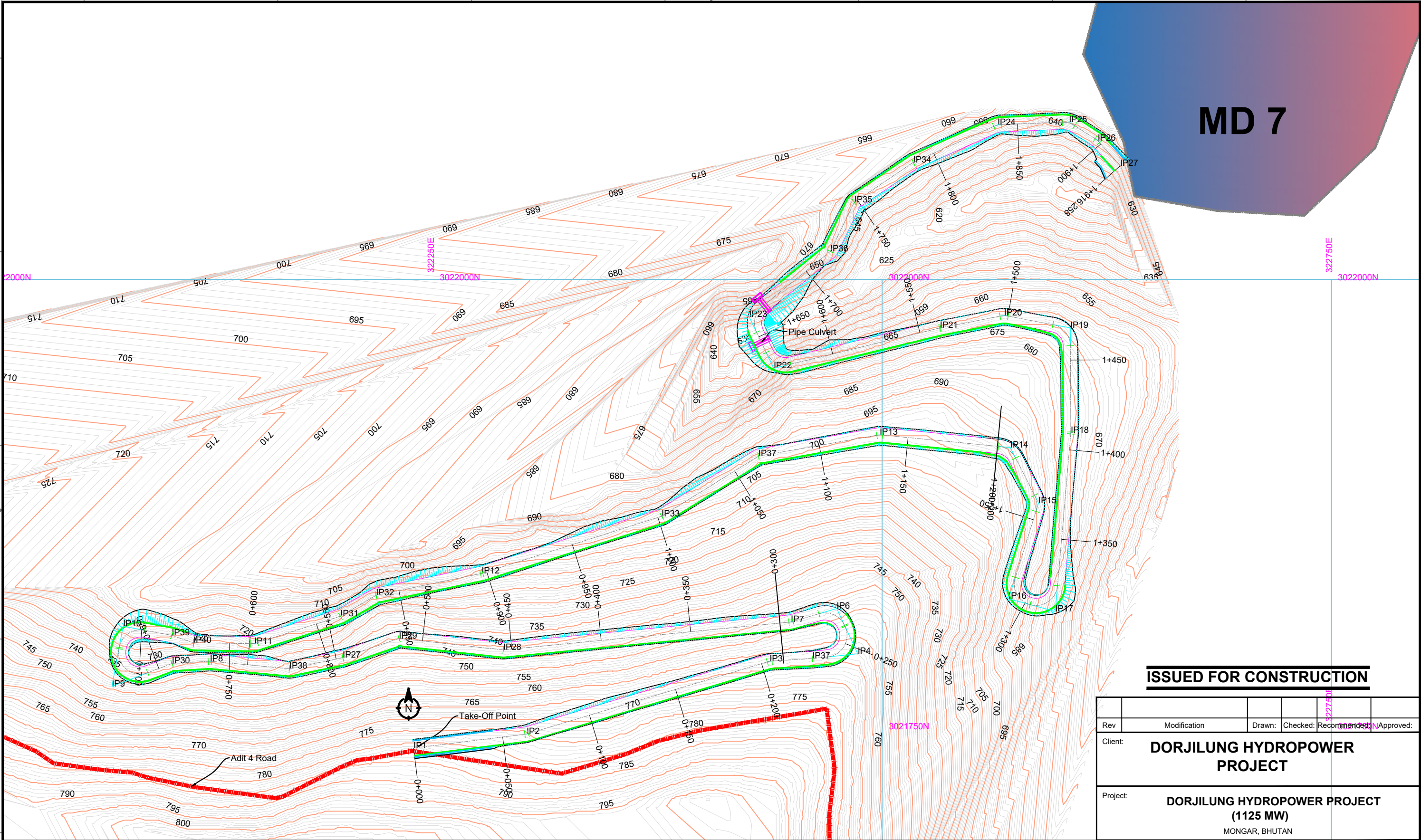
DETAIL A: Typical V-shaped drain



ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: DORJILUNG ROAD ADIT 4 CROSS SECTION SHEET 75 OF 75					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-ADIT-4-2024-75			REV NA

1930.0m Access Road to MD 7



ISSUED FOR CONSTRUCTION

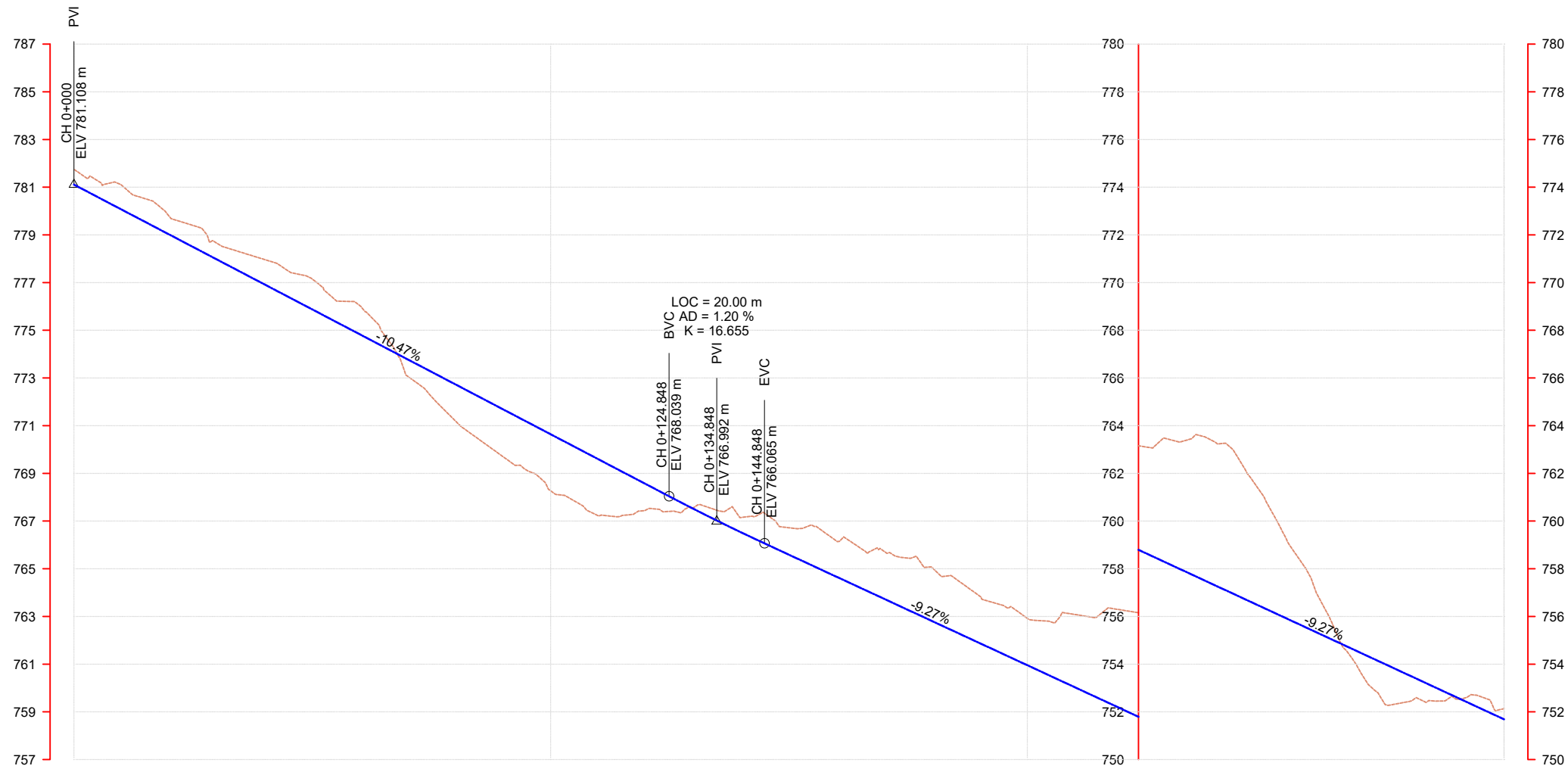
Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 GENERAL PLAN SHEET 1 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	A3	Original Scale	AS SHOWN	DRAWING NO.	DHPP-ROAD-MD-7-2024-01
				REV	NA

NOTE:

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SCALE 1 : 2000



CHAINAGE : 0+000 - 0+300

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
1	322239.133	3021739.113
2	322302.087	3021746.973
3	322437.367	3021787.497
IP37	322461.132	3021789.014
4	322486.414	3021791.668
6	322474.729	3021816.866
7	322449.236	3021809.325

DESIGN LEVEL(m)	781.108	781.083	780.061	779.015	777.968	776.921	775.874	774.827	773.780	772.734	771.687	770.640	769.593	768.546	767.508	766.522	765.588	764.661	763.735	762.808	761.881	760.954	760.028	759.101	758.174	757.247	756.321	755.394	754.467	753.541	752.614	751.687	
EXISTING LEVEL(m)	781.750	781.083	779.776	778.648	777.966	777.148	776.030	774.827	773.072	771.202	769.702	768.268	767.222	767.466	767.568	767.150	766.720	766.159	765.724	765.053	763.855	762.920	763.081	763.263	763.413	763.236	760.859	757.331	753.623	752.429	752.535	752.135	
CHAINAGE(Km)	0+000	0+010	0+020	0+030	0+040	0+050	0+060	0+070	0+080	0+090	0+100	0+110	0+120	0+130	0+140	0+150	0+160	0+170	0+180	0+190	0+200	0+210	0+220	0+230	0+240	0+250	0+260	0+270	0+280	0+290	0+300		
HORIZONTAL SCHEMATIC																																	
SUPER ELEVATION SCHEMATIC																																	

NOTE:

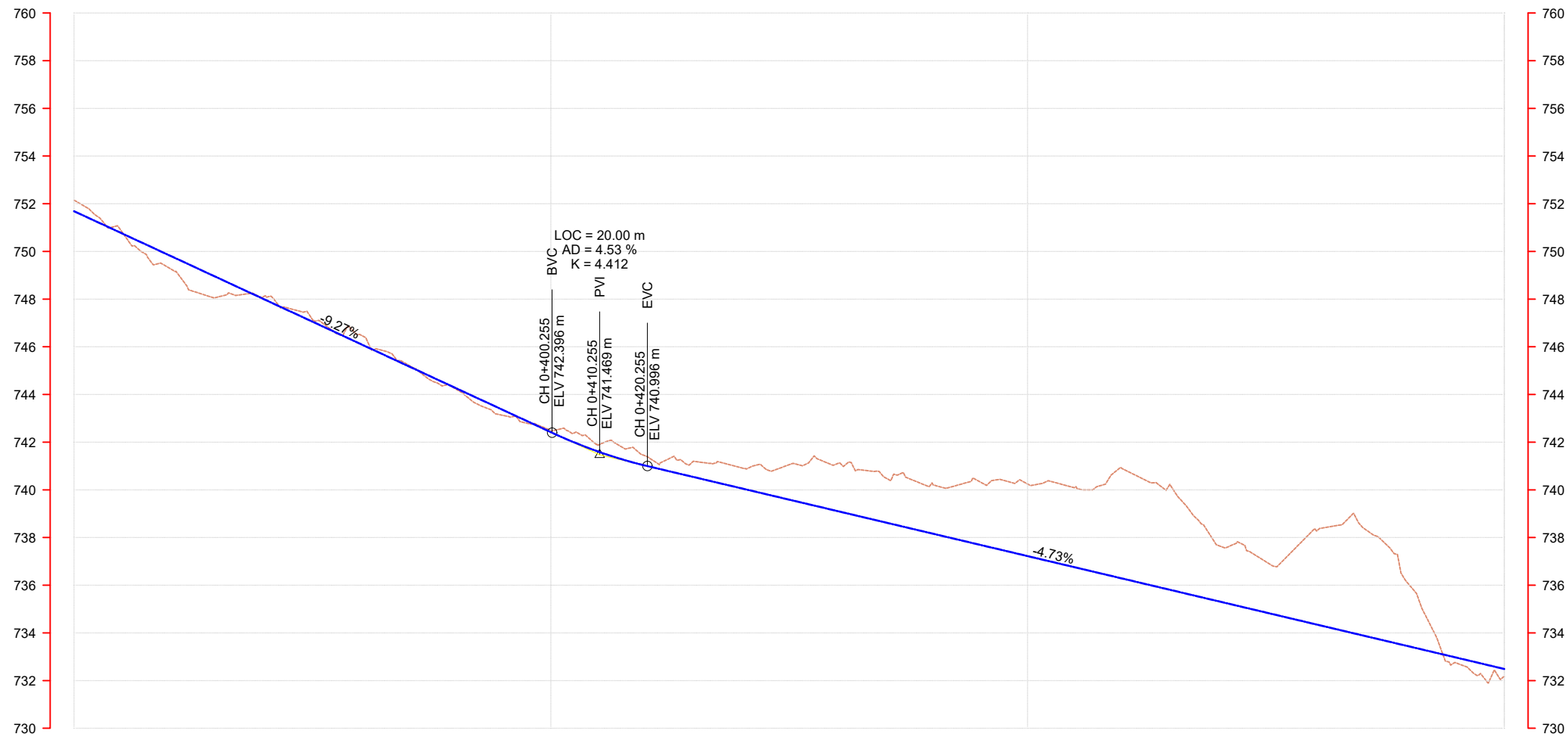
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SCALE 1 : 1000

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 PROFILE (0 TO 300 M) SHEET 2 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-MD-7-2024-02			REV NA



CHAINAGE : 0+300 - 0+600

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
7	322449.236	3021809.325
IP28	322289.080	3021793.805
IP29	322231.053	3021800.188
IP27	322199.718	3021789.453
IP38	322170.010	3021783.325
8	322125.766	3021787.497

DESIGN LEVEL(m)	751.687	750.760	749.834	748.907	747.980	747.053	746.127	745.200	744.273	743.347	742.420	741.601	741.008	740.535	740.061	739.588	739.115	738.641	738.168	737.695	737.221	736.748	736.274	735.801	735.328	734.854	734.381	733.908	733.434	732.961	732.487			
EXISTING LEVEL(m)	752.135	750.833	749.299	748.082	748.128	747.142	746.507	745.249	744.239	743.122	742.497	741.879	741.411	741.197	740.924	741.053	741.089	740.526	740.280	740.340	740.246	740.114	740.876	740.183	737.668	736.985	738.326	738.490	736.032	732.732	732.182			
CHAINAGE(Km)	0+300	0+310	0+320	0+330	0+340	0+350	0+360	0+370	0+380	0+390	0+400	0+410	0+420	0+430	0+440	0+450	0+460	0+470	0+480	0+490	0+500	0+510	0+520	0+530	0+540	0+550	0+560	0+570	0+580	0+590	0+600			
HORIZONTAL SCHEMATIC		L=154.743															L=58.377					L=33.122			L=30.334			L=23.423						
SUPER ELEVATION SCHEMATIC	0+300	SE 2.5%																																0+600

ISSUED FOR CONSTRUCTION

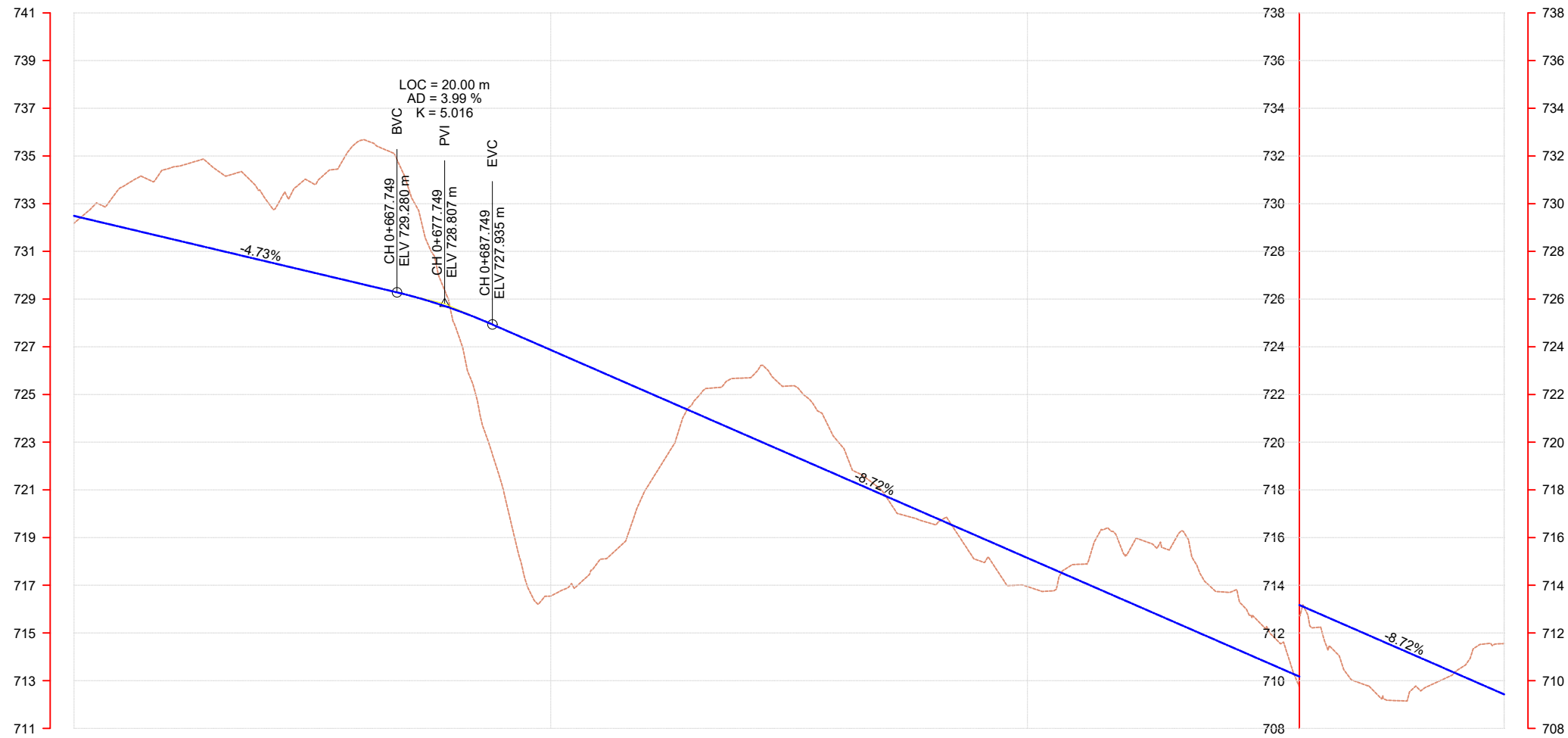
Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: <div>DORJILUNG HYDROPOWER PROJECT</div>					
Project: <div>DORJILUNG HYDROPOWER PROJECT</div> <div>(1125 MW)</div> <div>MONGAR, BHUTAN</div>					
Title: <div>ROAD TO MUCKDUMP 7</div> <div>PROFILE (300 TO 600 M)</div> <div>SHEET 3 OF 22</div>					
CONSULTANT:			NAME	SIG.	
 <div>འབྲུག་རྒྱུ་རྩེ་འཕེལ་བྱེད་སྒྲོལ་ Druk Green Consultancy</div>		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-MD-7-2024-03			REV NA

NOTE:

- ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
- NO DIMENSION SHALL BE MEASURED FROM THE DRAWINGS. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
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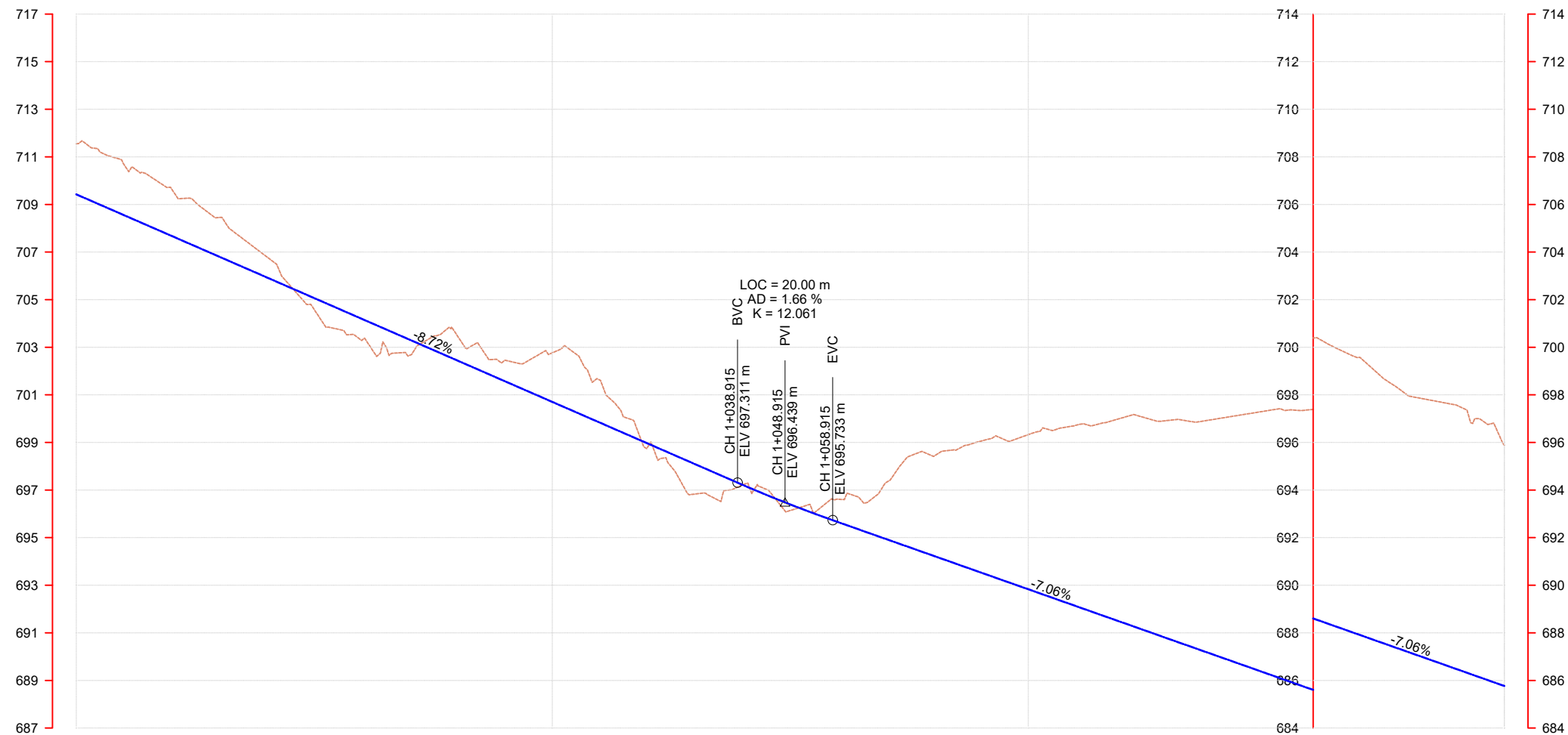
SCALE 1 : 1000



CHAINAGE : 0+600 - 0+900

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
8	322125.766	3021787.497
IP30	322104.656	3021786.233
9	322071.187	3021773.500
10	322077.414	3021806.962
IP39	322104.513	3021801.898
IP40	322116.625	3021797.793
11	322150.430	3021797.245
IP31	322198.413	3021812.592
IP32	322218.287	3021824.197
12	322277.026	3021836.387

DESIGN LEVEL(m)	732.487		732.182		732.014		731.541		731.067		730.594		730.121		729.647		729.169		728.551		727.739		726.867		725.995		725.122		724.250		723.378		722.506		721.634		720.762		719.890		719.018		718.146		717.274		716.402		715.530		714.658		713.786		712.914		712.041		711.169		710.297		709.425																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
EXISTING LEVEL(m)	732.182		733.686		734.480		734.400		733.243		733.862		735.647		733.751		727.852		721.045		716.544		717.992		721.035		724.716		725.686		725.355		723.087		720.822		719.578		718.021		716.945		717.871		718.400		718.557		716.731		715.171		712.221		709.883		709.417		710.407		711.555																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
CHAINAGE(Km)	0+600		0+610		0+620		0+630		0+640		0+650		0+660		0+670		0+680		0+690		0+700		0+710		0+720		0+730		0+740		0+750		0+760		0+770		0+780		0+790		0+800		0+810		0+820		0+830		0+840		0+850		0+860		0+870		0+880		0+890		0+900																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
HORIZONTAL SCHEMATIC	L=20.092		L=20.224		L=14.438		L=25.420 R=12		L=18.859 R=12		L=15.559		L=12.789		L=31.837		L=48.405		L=23.015		L=59.373																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			



CHAINAGE : 0+900 - 1+200

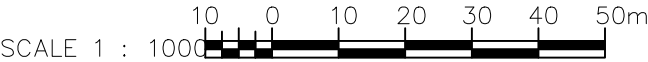
IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
12	322277.026	3021836.387
IP33	322377.281	3021868.229
IP37	322431.174	3021901.663
13	322498.630	3021913.559
14	322571.347	3021906.460

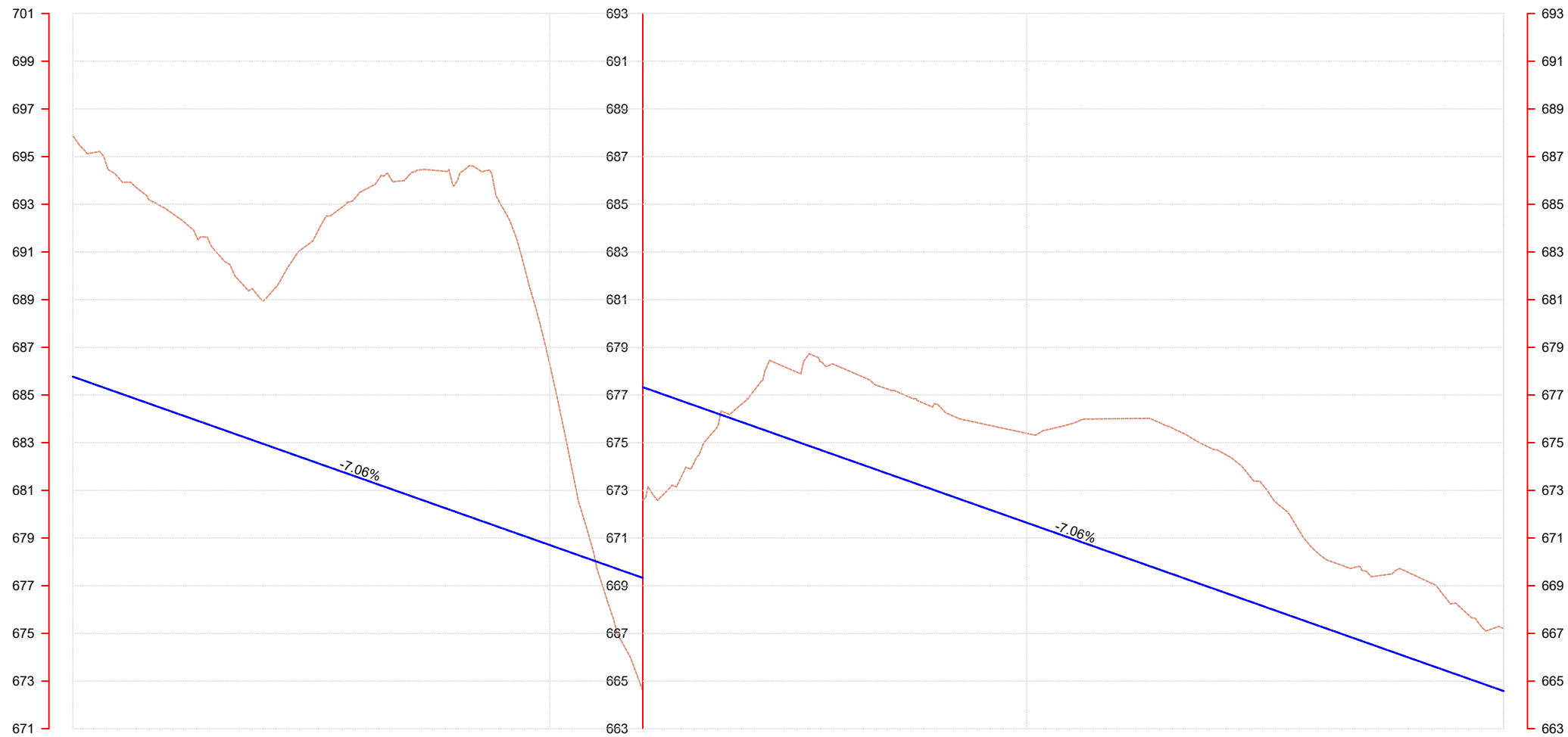
DESIGN LEVEL(m)	709.425	708.553	707.681	706.809	705.937	705.065	704.193	703.321	702.449	701.577	700.705	699.832	698.960	698.088	697.217	696.395	695.656	694.950	694.243	693.537	692.831	692.125	691.418	690.712	690.006	689.300	688.593	687.887	687.181	686.475	685.768
EXISTING LEVEL(m)	711.555	710.689	709.663	708.450	706.805	704.583	703.290	702.656	703.502	702.447	702.764	701.620	698.788	696.832	697.225	696.140	695.616	697.300	698.422	699.053	699.326	699.719	700.049	699.938	700.004	700.328	700.391	699.519	697.947	697.564	695.883
CHAINAGE(Km)	0+900	0+910	0+920	0+930	0+940	0+950	0+960	0+970	0+980	0+990	1+000	1+010	1+020	1+030	1+040	1+050	1+060	1+070	1+080	1+090	1+100	1+110	1+120	1+130	1+140	1+150	1+160	1+170	1+180	1+190	1+200
HORIZONTAL SCHEMATIC	L=102.227										L=63.423					L=66.856					L=64.231										
SUPER ELEVATION SCHEMATIC	SE 2.5%																														

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 PROFILE (900 TO 1200M)					
SHEET 5 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	A3	Original Scale	AS SHOWN	DRAWING NO.	DHPP-ROAD-MD-7-2024-05
				REV	NA

- NOTE:
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CHAINAGE : 1+200 - 1+500

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
14	322571.347	3021906.460
15	322587.086	3021875.530
16	322570.389	3021822.291
17	322596.392	3021815.174
18	322605.037	3021914.574
19	322604.747	3021973.036
20	322567.900	3021980.000

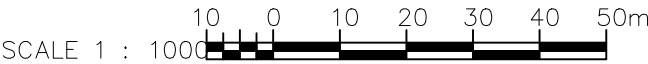
DESIGN LEVEL(m)	685.768	685.062	684.356	683.650	682.943	682.237	681.531	680.825	680.118	679.412	678.706	678.000	677.293	676.587	675.881	675.175	674.468	673.762	673.056	672.350	671.643	670.937	670.231	669.525	668.818	668.112	667.406	666.700	665.993	665.287	664.581
EXISTING LEVEL(m)	695.883	694.010	692.738	691.017	688.952	691.412	693.453	694.106	693.801	692.897	686.295	677.658	672.671	674.061	676.578	678.113	678.247	677.304	676.514	675.824	675.390	675.830	676.008	675.674	674.690	673.105	670.559	669.783	669.558	668.259	667.202
CHAINAGE(Km)	1+200	1+210	1+220	1+230	1+240	1+250	1+260	1+270	1+280	1+290	1+300	1+310	1+320	1+330	1+340	1+350	1+360	1+370	1+380	1+390	1+400	1+410	1+420	1+430	1+440	1+450	1+460	1+470	1+480	1+490	1+500
HORIZONTAL SCHEMATIC	L=12.033 R=12		L=23.233		L=9.296 R=12		L=38.452		L=19.291 R=12		L=21.014 R=12		L=84.838		L=48.018		L=16.549 R=12		L=25.300		L=4.554 R=12										
SUPER ELEVATION SCHEMATIC	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	SE:2.5%	

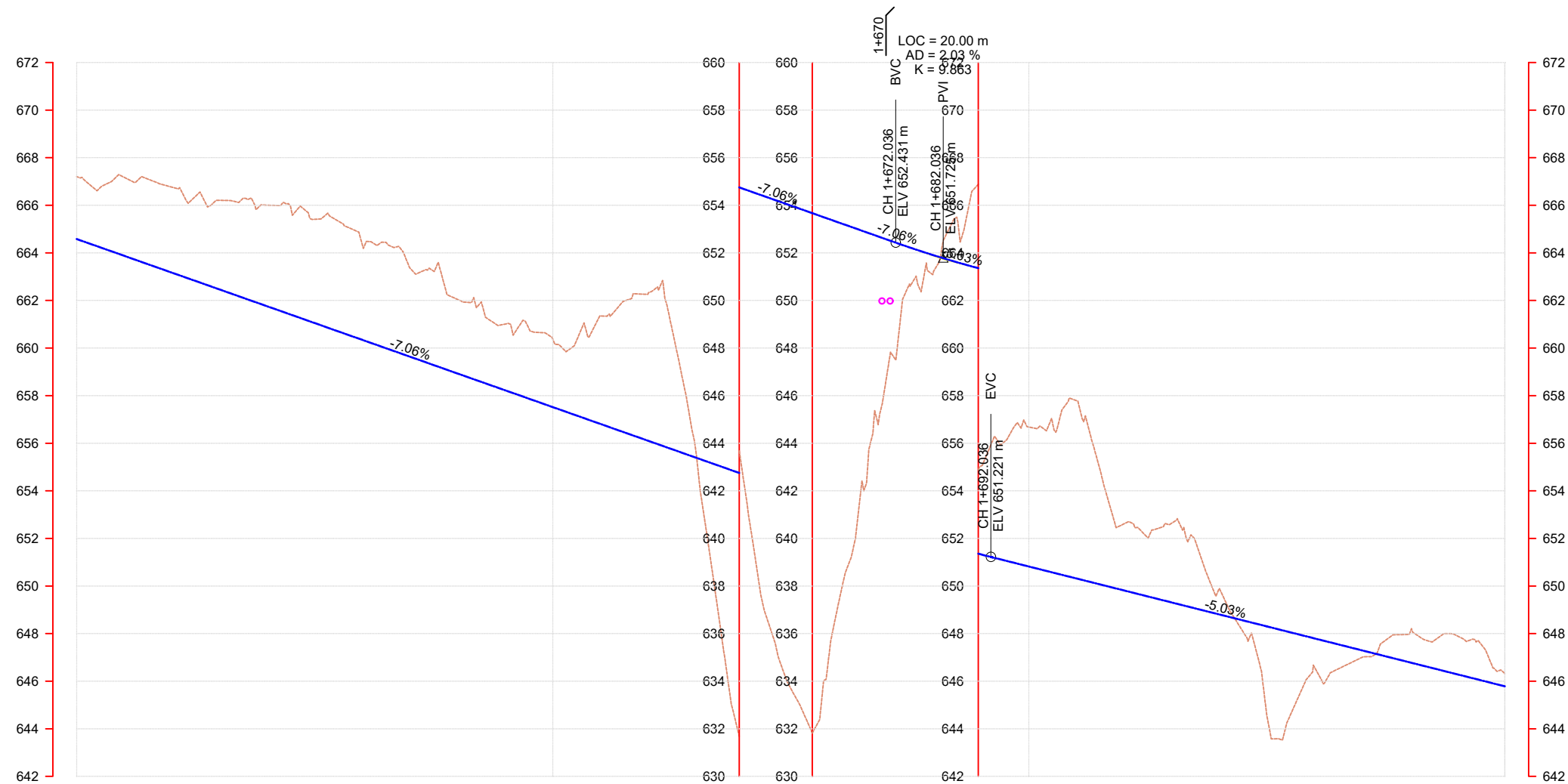
ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 PROFILE (1200 TO 1500M)					
SHEET 6 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-MD-7-2024-06			REV NA

NOTE:

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CHAINAGE : 1+500 - 1+800

IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
20	322567.900	3021980.000
21	322532.213	3021973.036
22	322439.642	3021950.566
23	322425.990	3021979.134
IP36	322471.140	3022015.614
IP35	322484.486	3022043.032
IP34	322517.344	3022065.227

[illegible]

ISSUED FOR CONSTRUCTION

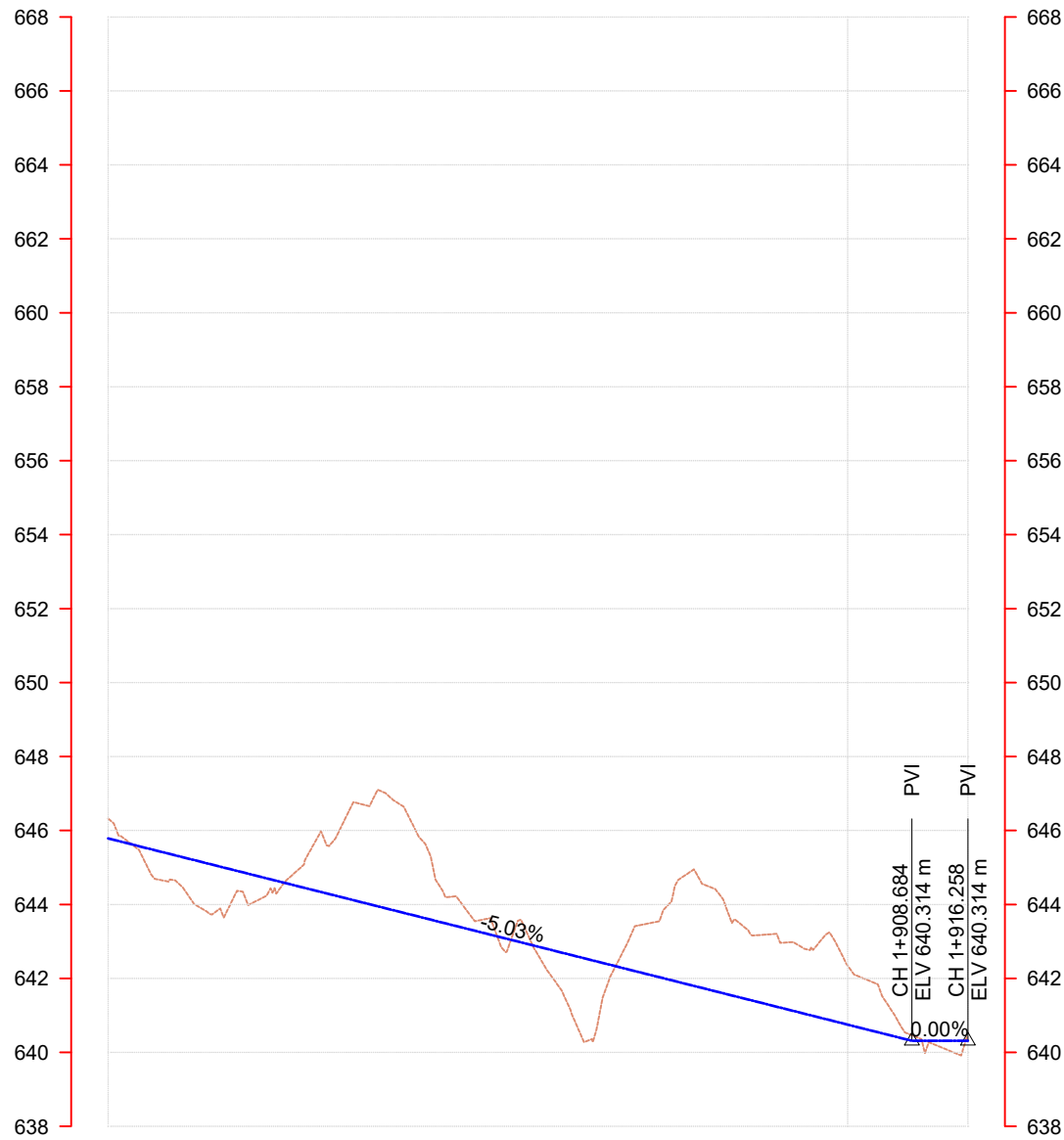
Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: <div>DORJILUNG HYDROPOWER PROJECT</div>					
Project: <div>DORJILUNG HYDROPOWER PROJECT</div> <div>(1125 MW)</div> <div>MONGAR, BHUTAN</div>					
Title: <div>ROAD TO MUCKDUMP 7</div> <div>PROFILE (1500 TO 1800M)</div> <div>SHEET 7 OF 22</div>					
<div>CONSULTANT:</div> <div><div>འབྲུག་སྐོར་ཁྲིམས་ཚན་རྒྱུ། Druk Green Consultancy</div></div>		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-MD-7-2024-07			REV NA

NOTE:

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SCALE 1 : 1000



CHAINAGE : 1+800 - 1+916.258

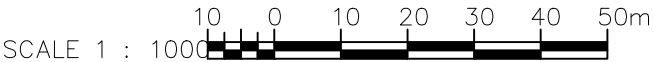
IP No.	CO-ORDINATES(m)	
	EASTING	NORTHING
IP34	322517.344	3022065.227
24	322564.273	3022086.117
25	322604.022	3022087.712
26	322619.979	3022077.413
27	322632.526	3022063.314

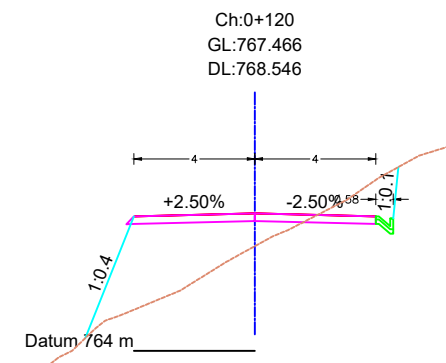
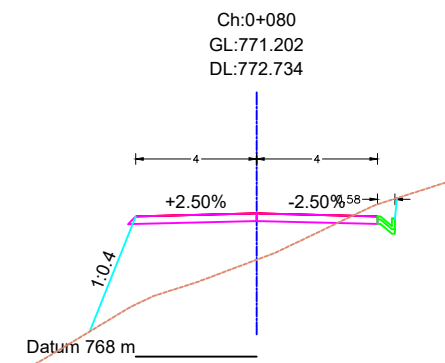
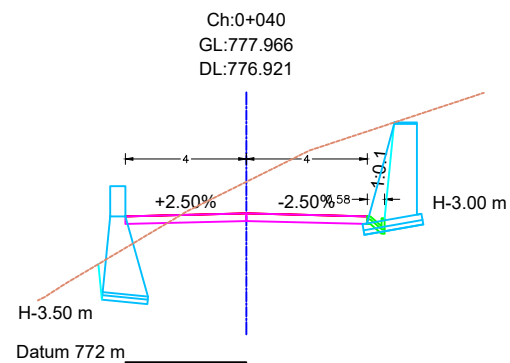
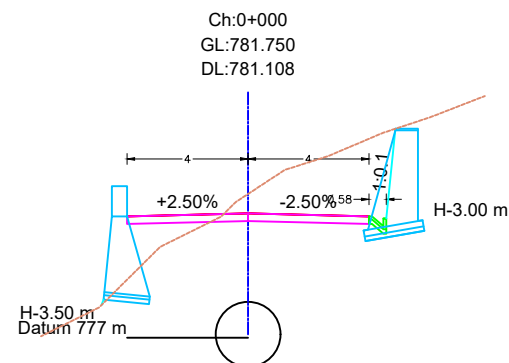
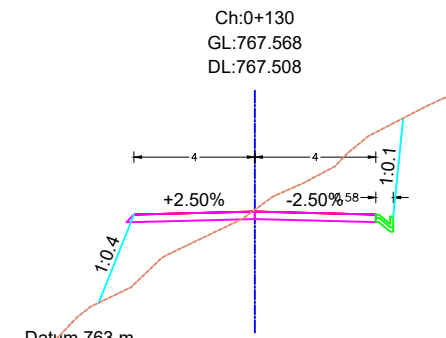
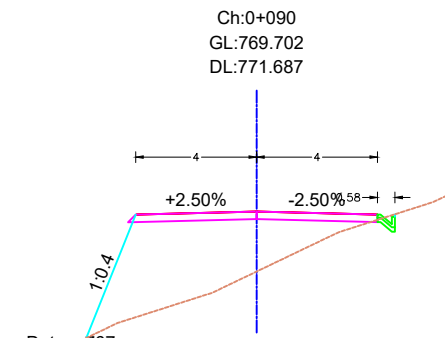
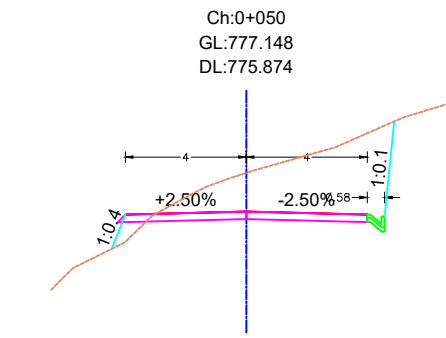
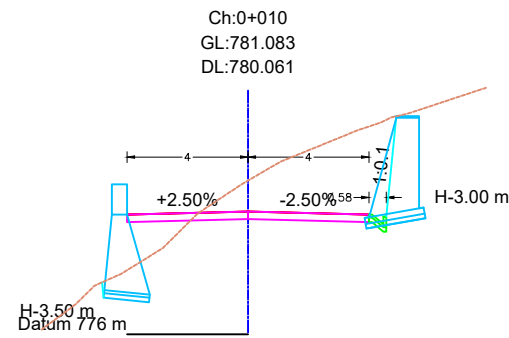
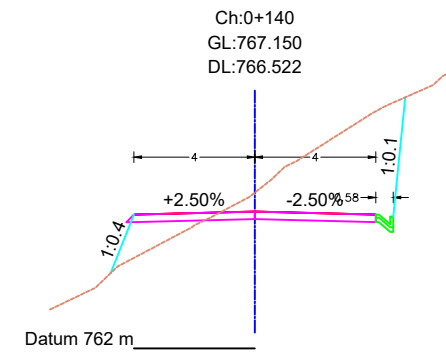
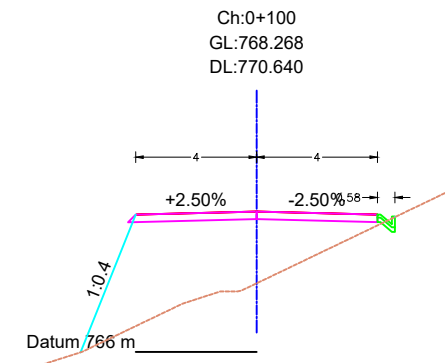
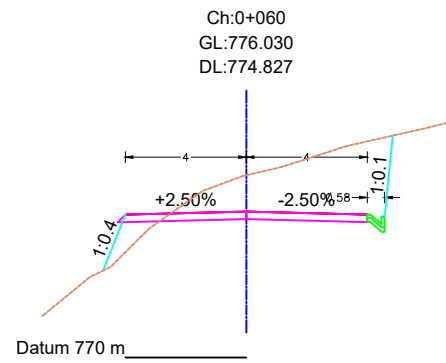
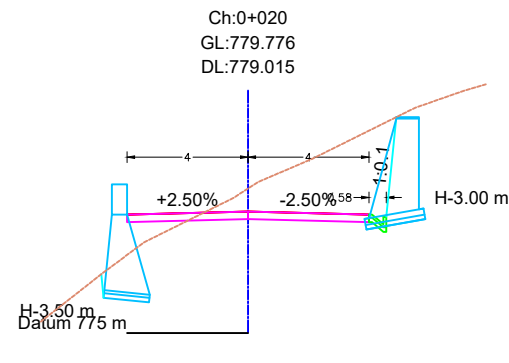
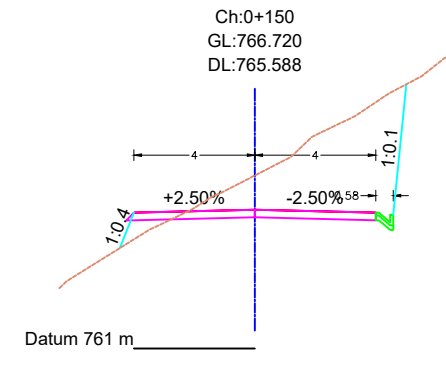
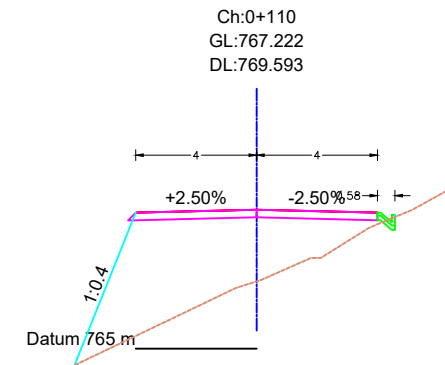
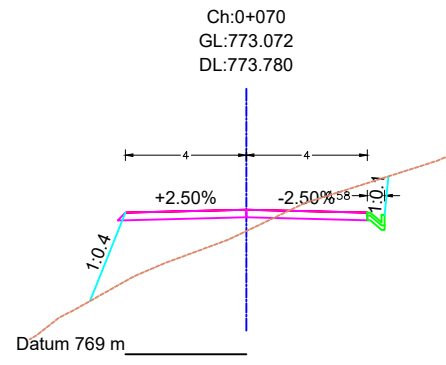
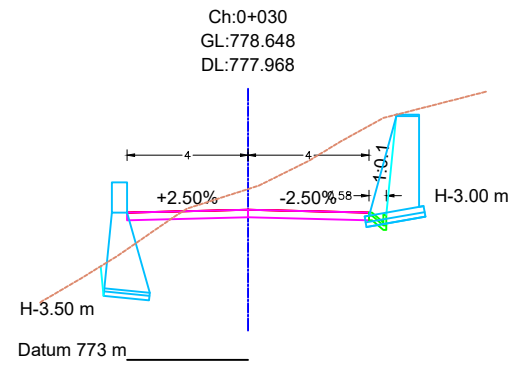
DESIGN LEVEL(m)		645.786		645.282		644.779		644.275		643.772		643.268		642.765		642.261		641.758		641.254		640.751		640.314		640.314
EXISTING LEVEL(m)		646.325		644.479		644.093		645.610		646.629		643.563		642.042		642.876		644.674		643.200		642.344		640.343		640.314
CHAINAGE(Km)		1+800		1+810		1+820		1+830		1+840		1+850		1+860		1+870		1+880		1+890		1+900		1+910		1+916.258
HORIZONTAL SCHEMATIC			L=36.626						L=33.681										L=13.561				L=17.241			
SUPER ELEVATION SCHEMATIC		1+800	SE:2.5%																							1+916.258

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: <div>DORJILUNG HYDROPOWER PROJECT</div>					
Project: <div>DORJILUNG HYDROPOWER PROJECT</div> <div>(1125 MW)</div> <div>MONGAR, BHUTAN</div>					
Title: <div>ROAD TO MUCKDUMP 7</div> <div>PROFILE (1800 TO 2100M)</div> <div>SHEET 8 OF 22</div>					
CONSULTANT:			NAME	SIG.	
 <div>འགྲོ་སྒྲིལ་མཚོ་སྒྲིལ་སྒྲུབ་ཁྲུང་། Drak Green Consultancy</div>		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-MD-7-2024-08			REV NA

- NOTE:
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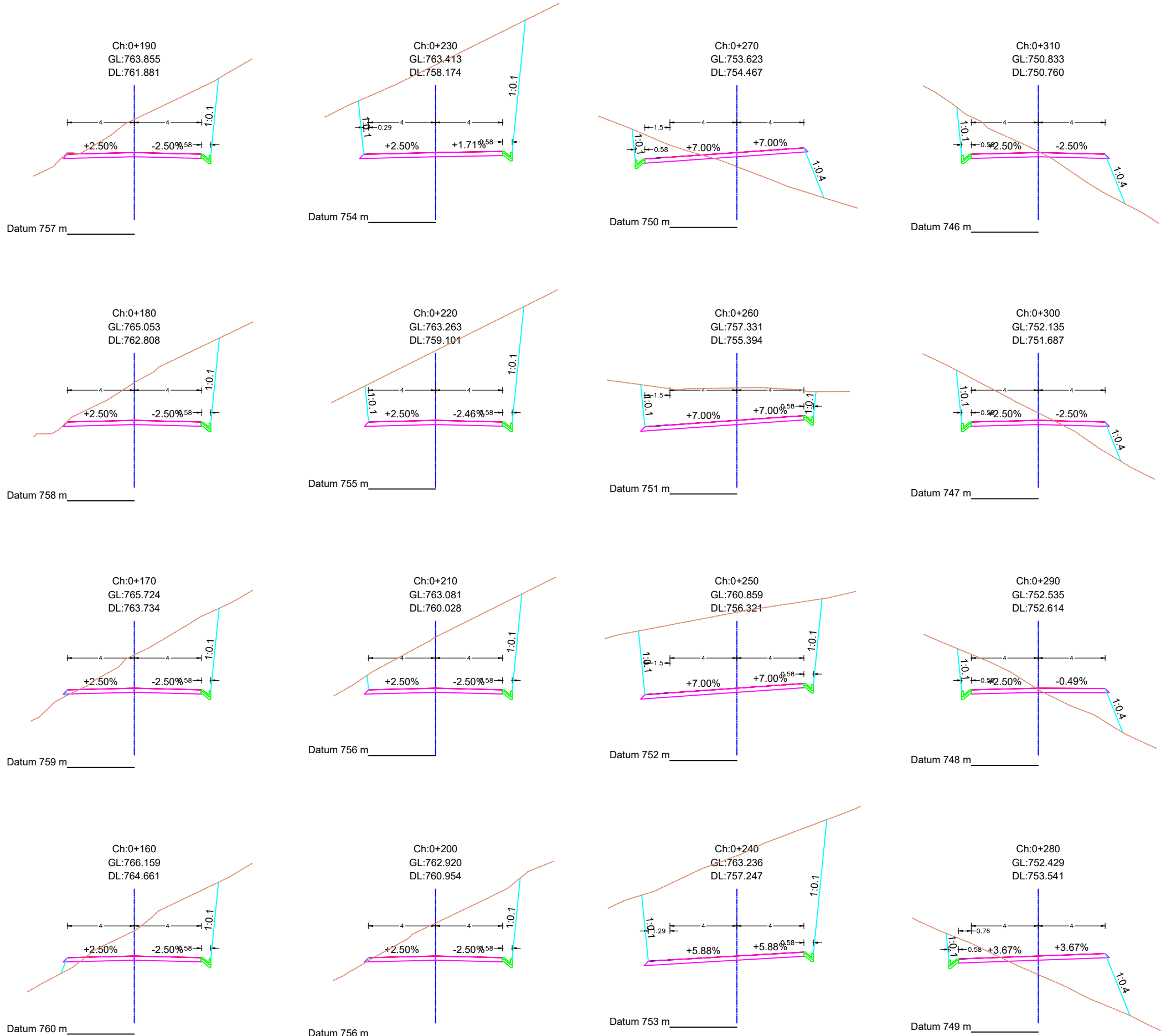
- NOTE:
1. ALL DIMENSIONS, ELEVATIONS & DETAILS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 CROSS SECTION SHEET 9 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-MD-7-2024-09			REV NA



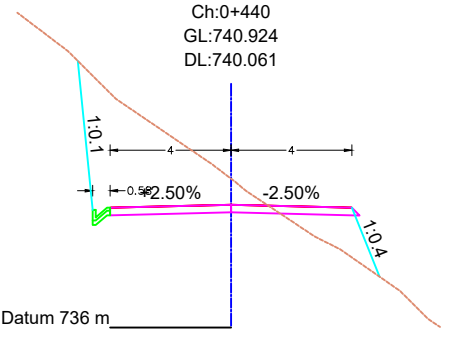
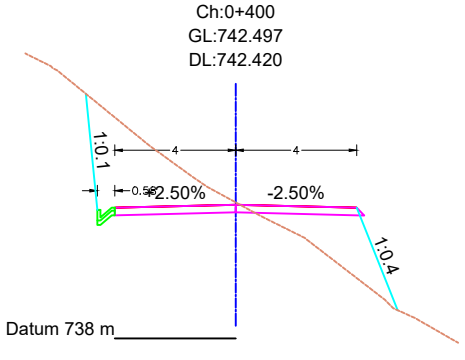
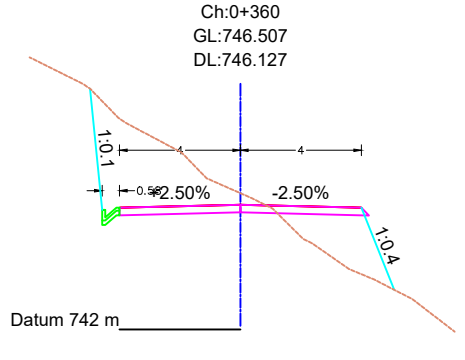
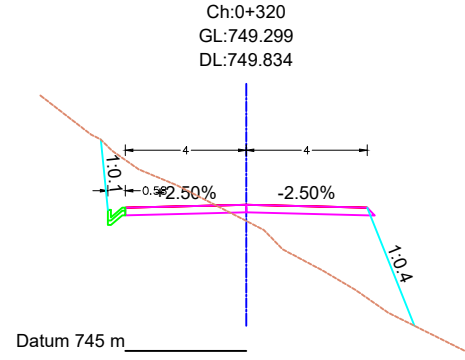
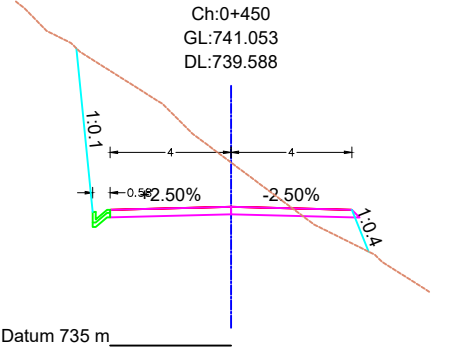
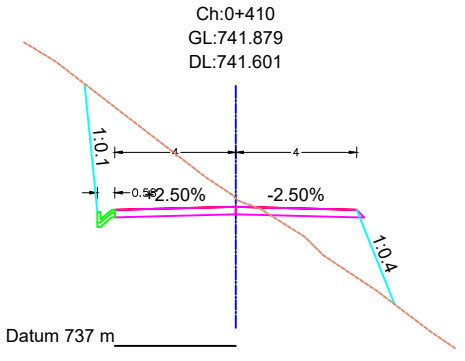
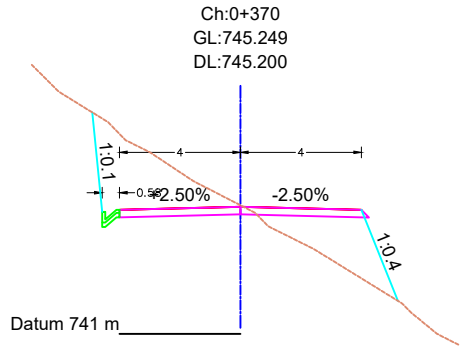
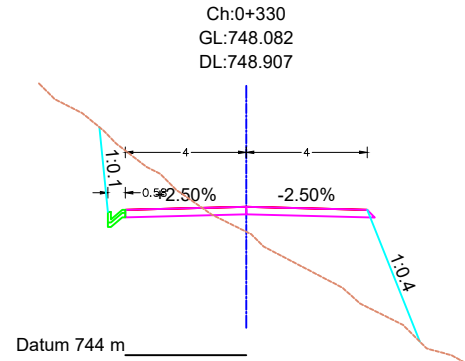
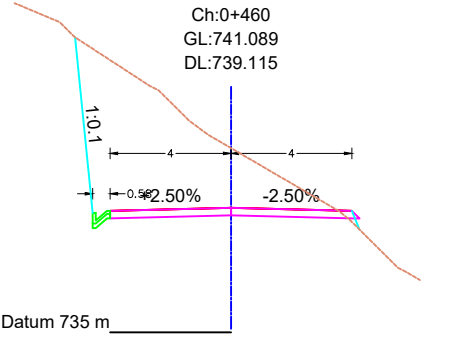
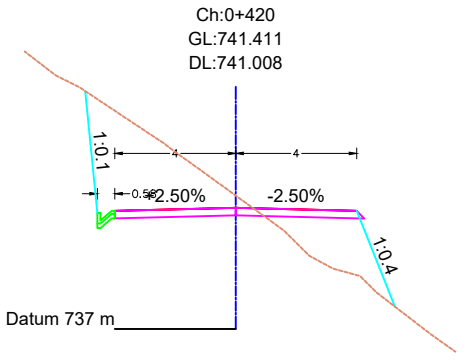
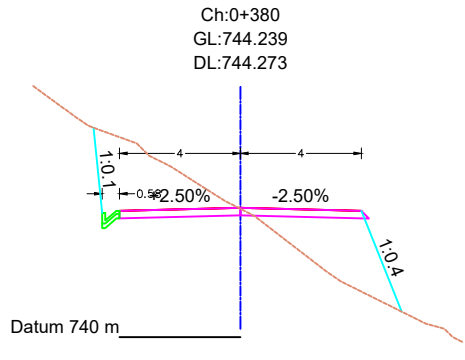
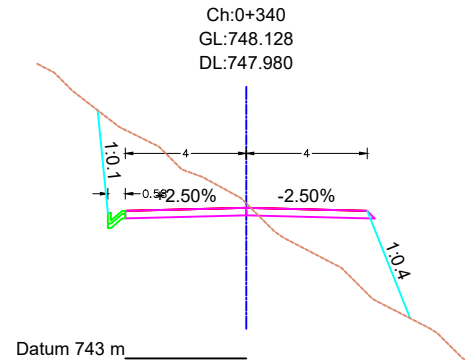
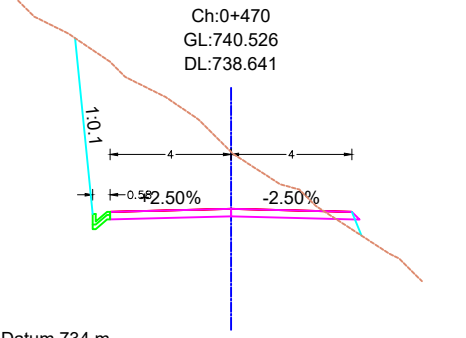
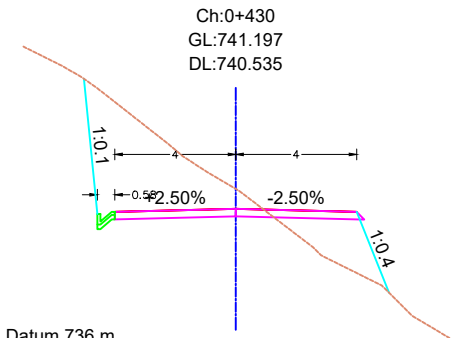
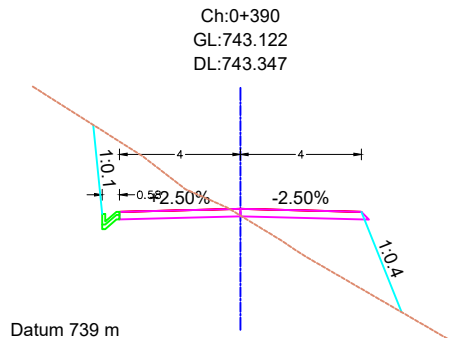
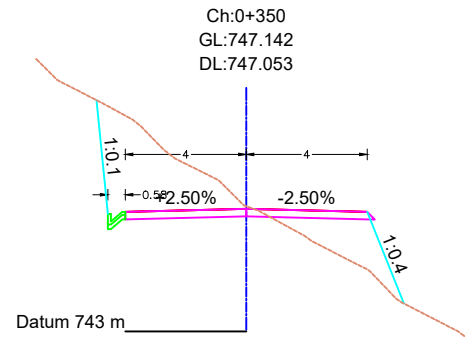
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 CROSS SECTION SHEET 10 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-MD-7-2024-10			REV NA



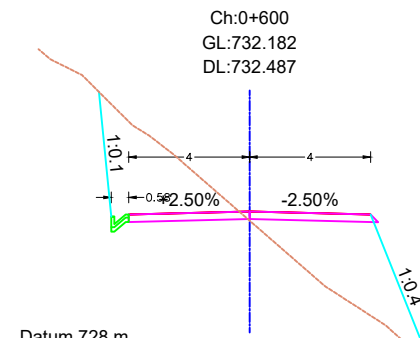
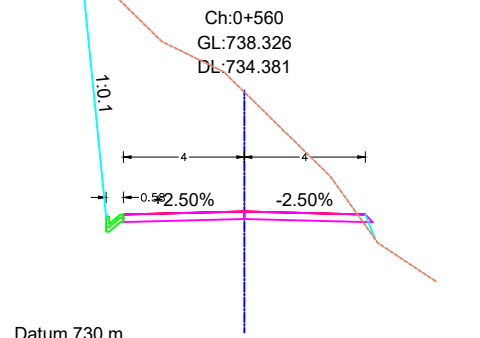
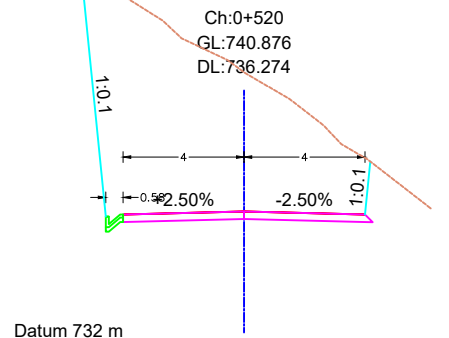
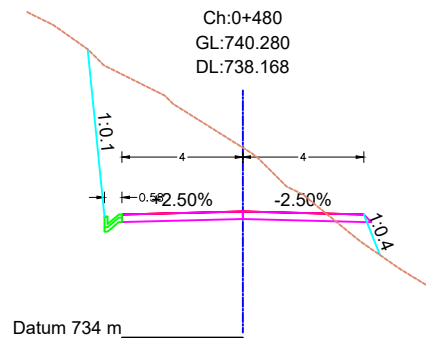
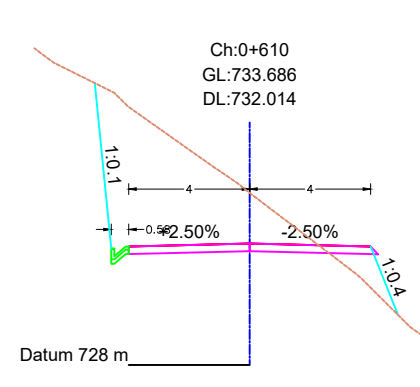
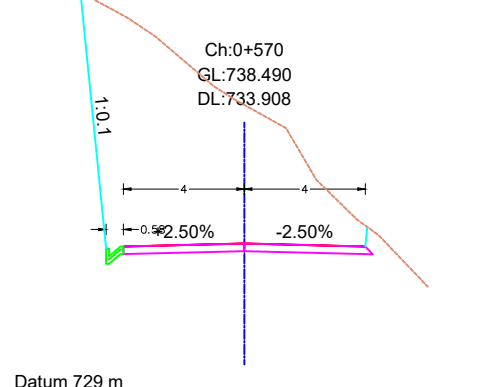
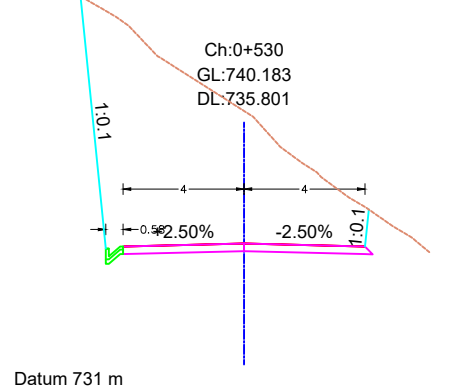
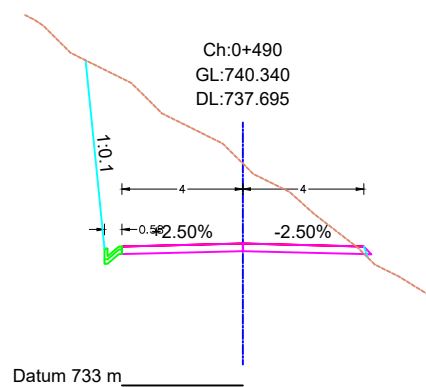
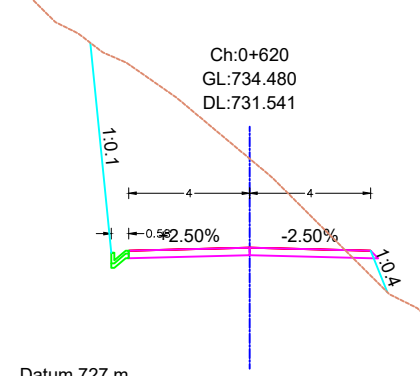
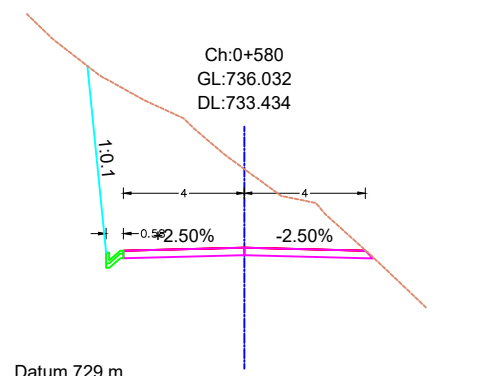
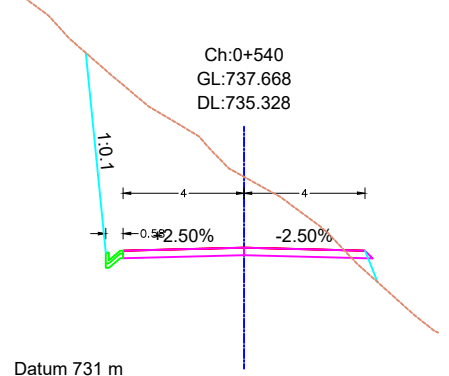
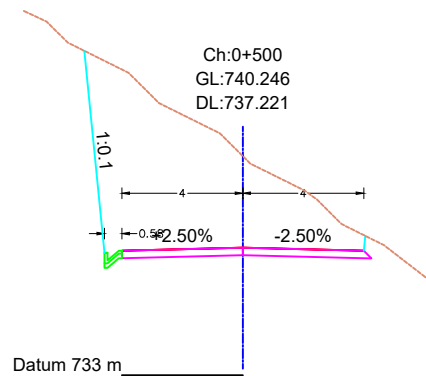
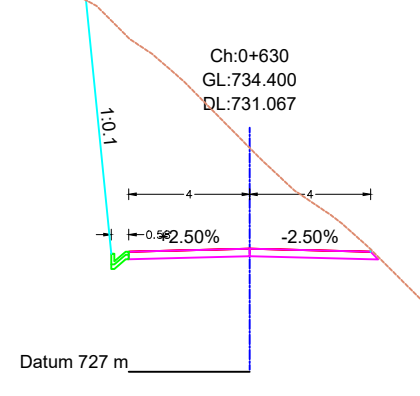
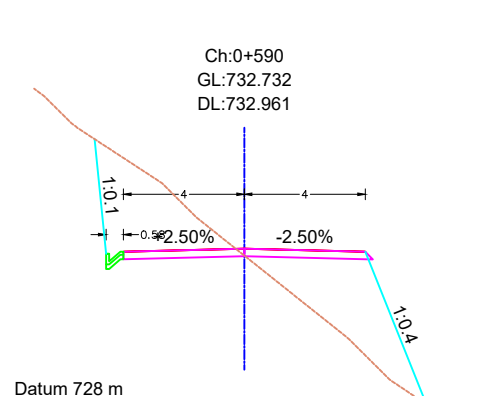
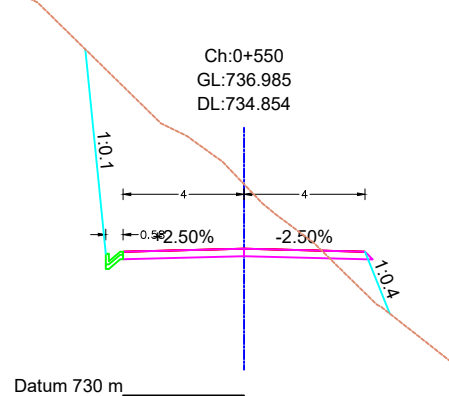
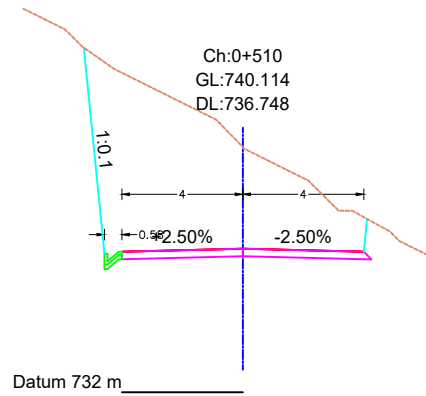
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 CROSS SECTION					
SHEET 11 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	A3	Original Scale	AS SHOWN	DRAWING NO.	DHPP-ROAD-MD-7-2024-11
				REV	NA



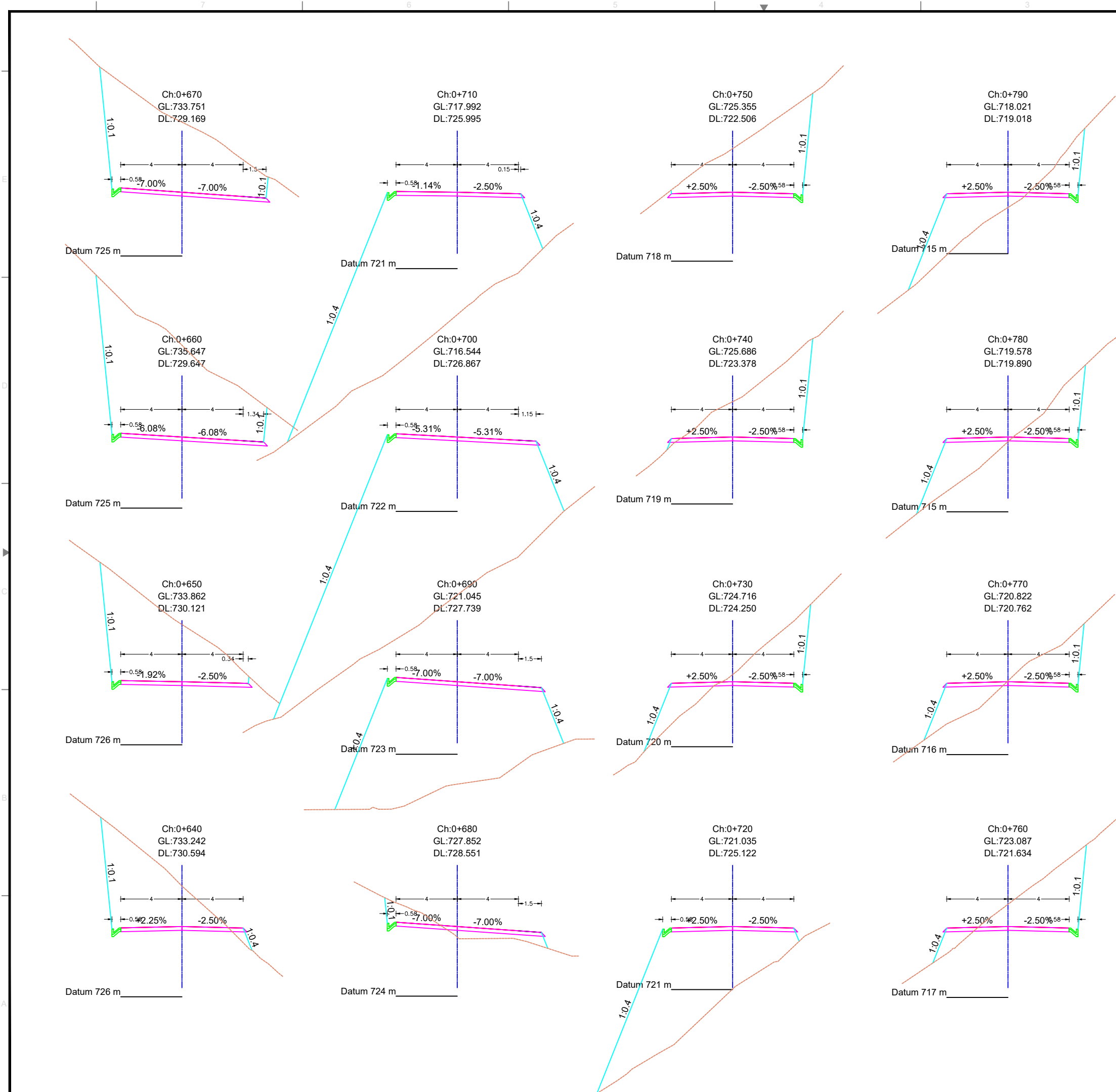
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 CROSS SECTION					
SHEET 12 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	A3	Original Scale	AS SHOWN	DRAWING NO.	REV
				DHPP-ROAD-MD-7-2024-12	NA



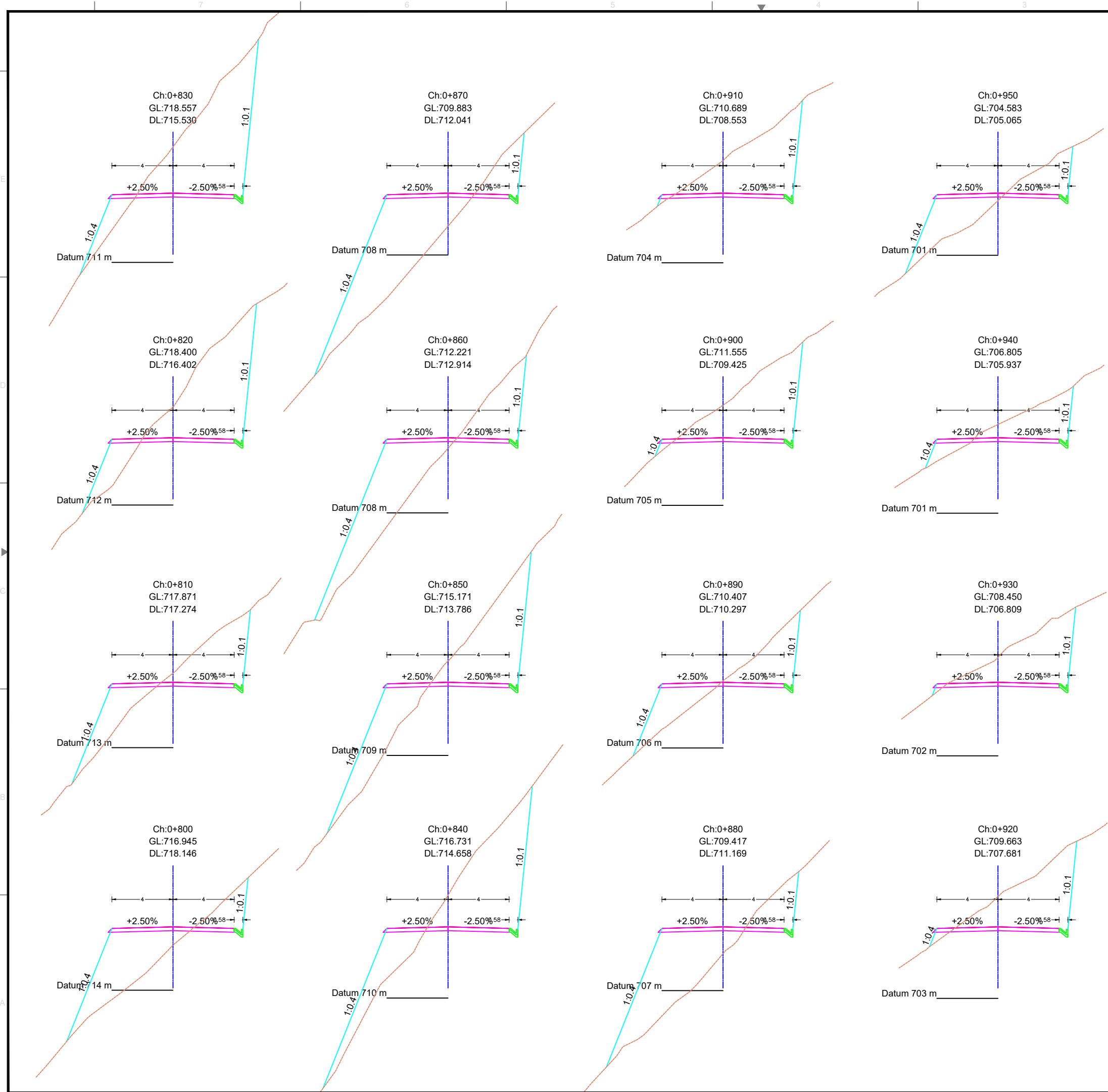
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 CROSS SECTION SHEET 13 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-MD-7-2024-13			REV NA



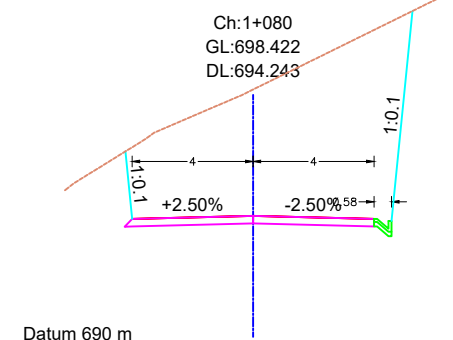
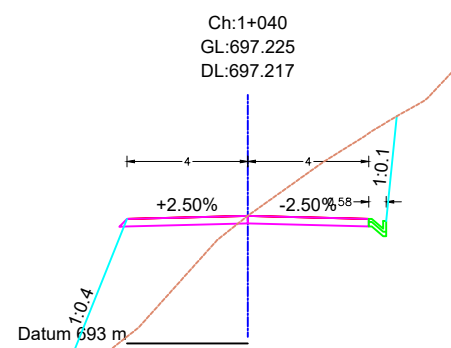
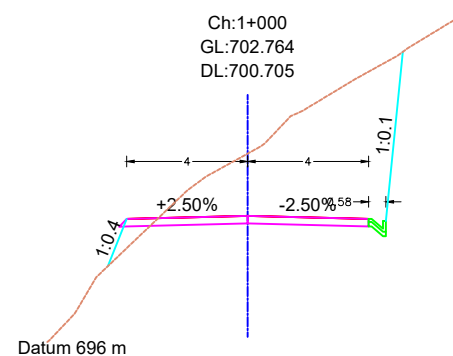
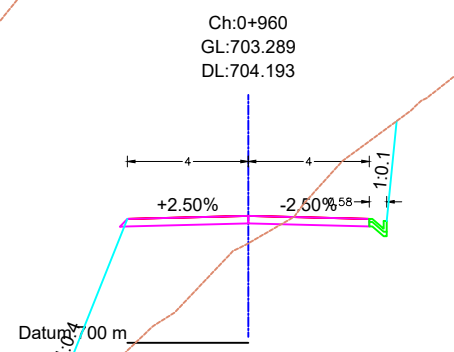
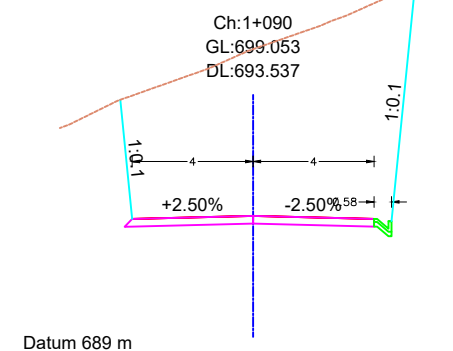
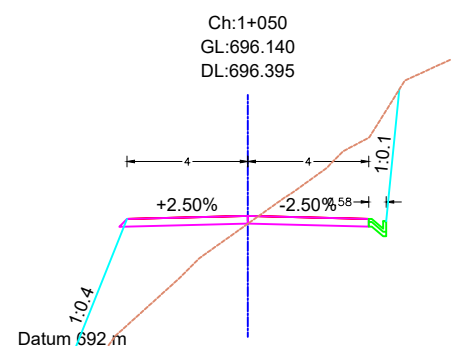
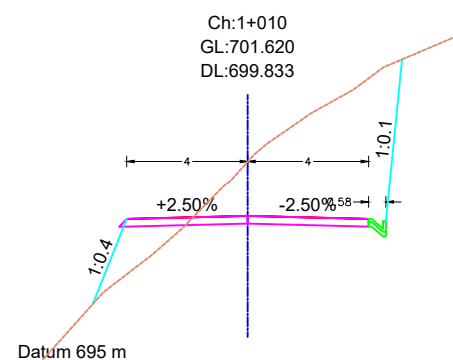
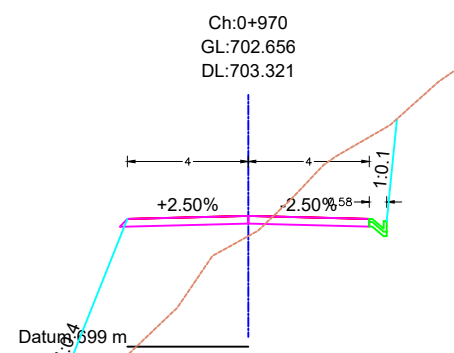
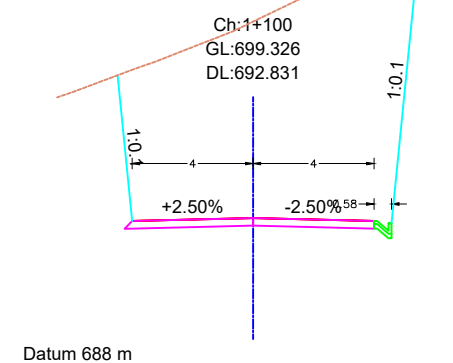
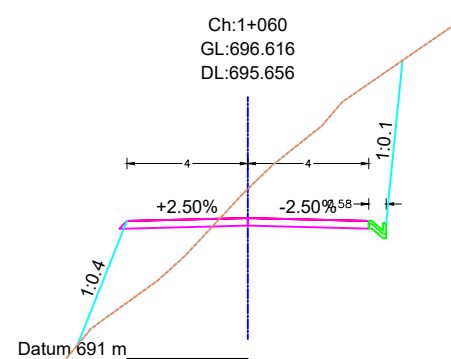
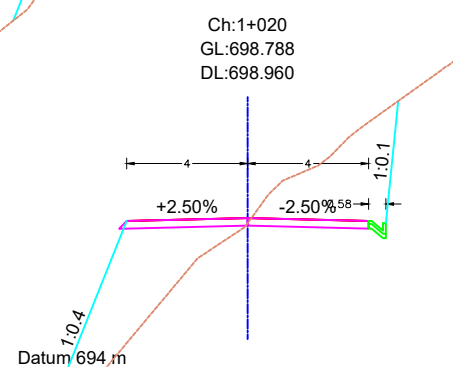
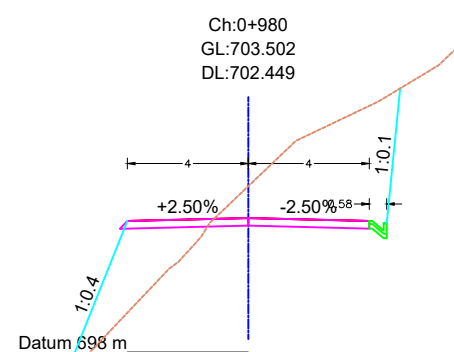
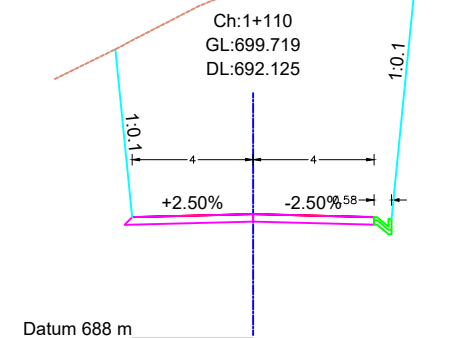
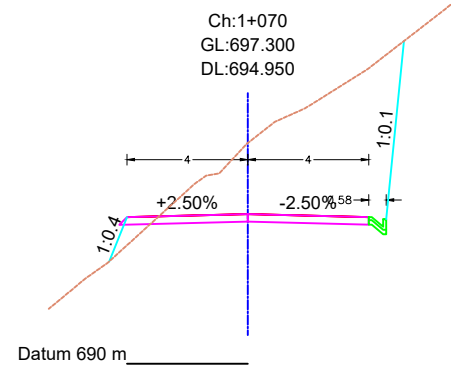
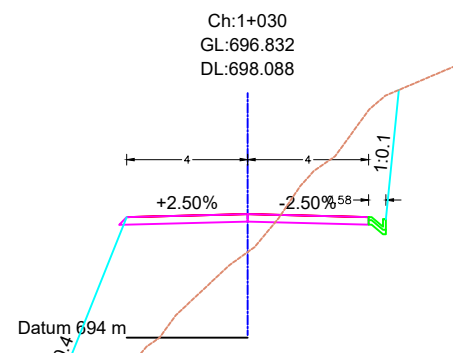
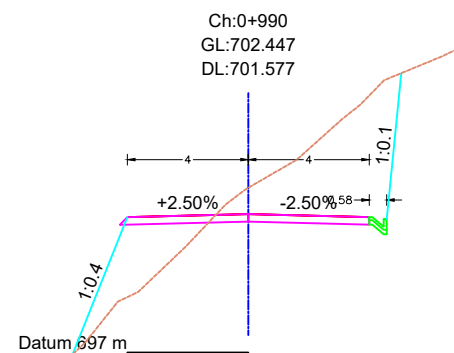
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 CROSS SECTION SHEET 14 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-MD-7-2024-14			REV NA




NOTE:

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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 CROSS SECTION SHEET 15 OF 22					
CONSULTANT:  འབྲུག་གྲོང་ཁང་ཚོད་སྒྲུབ་ལྟེ་གནས་ Drak Green Consultancy		NAME Designed Drawn Checked Approved Issued Date		SIG. NOV 2024	
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-MD-7-2024-15		REV NA	



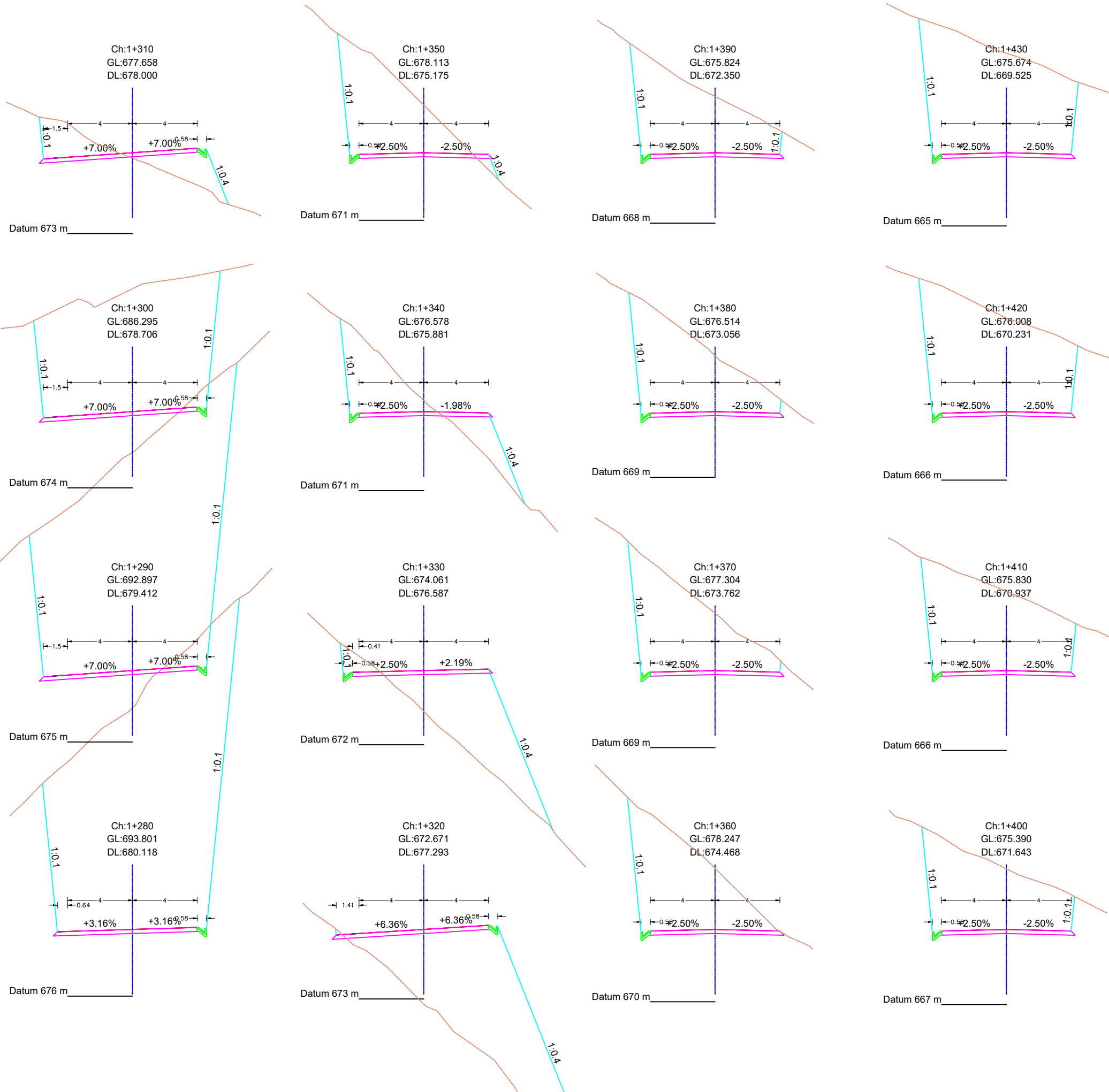
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 CROSS SECTION SHEET 16 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	A3	Original Scale	AS SHOWN	DRAWING NO.	DHPP-ROAD-MD-7-2024-16
				REV	NA



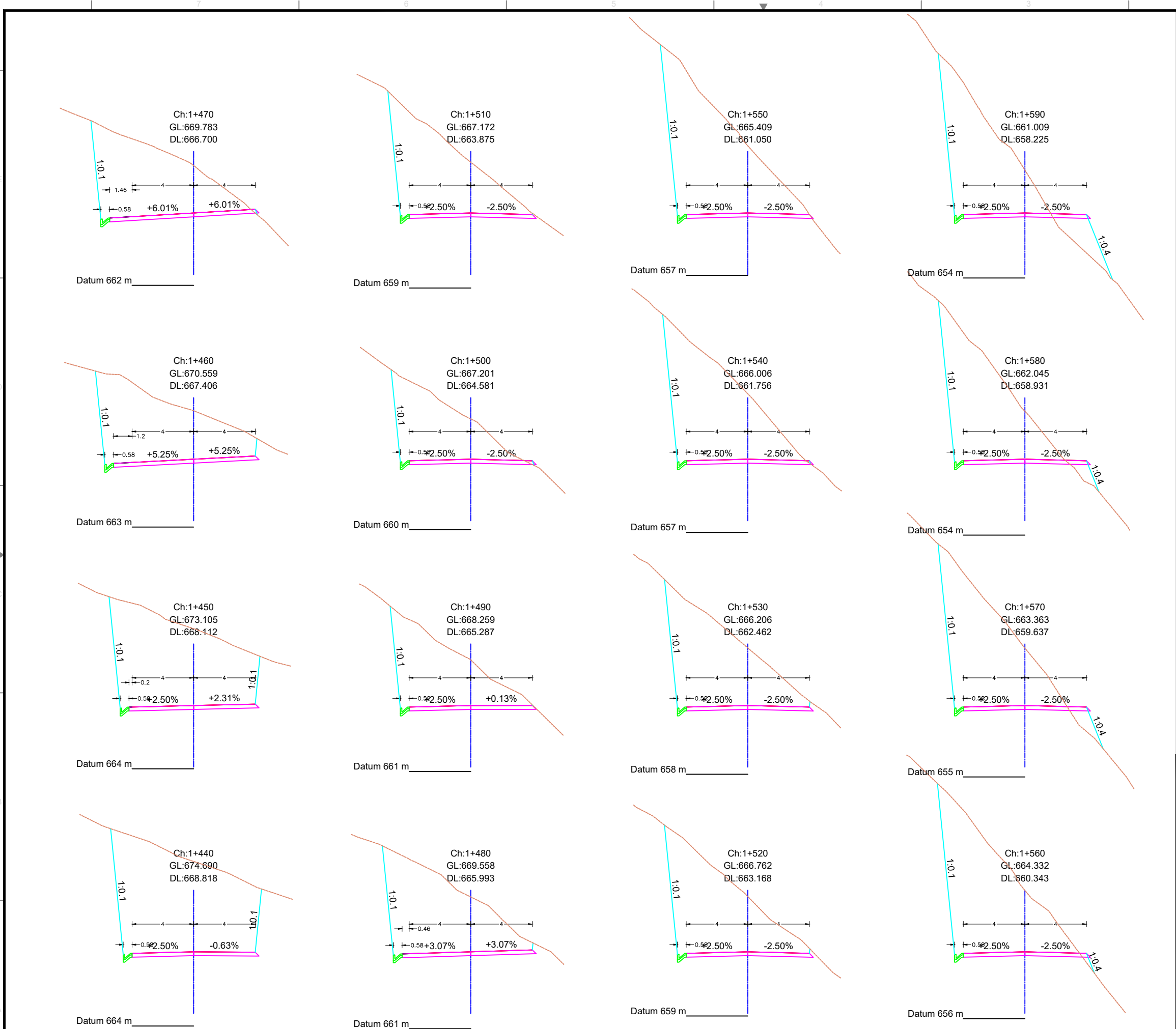
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 CROSS SECTION					
SHEET 17 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	Original Scale	DRAWING NO.			REV
A3	AS SHOWN	DHPP-ROAD-MD-7-2024-17			NA



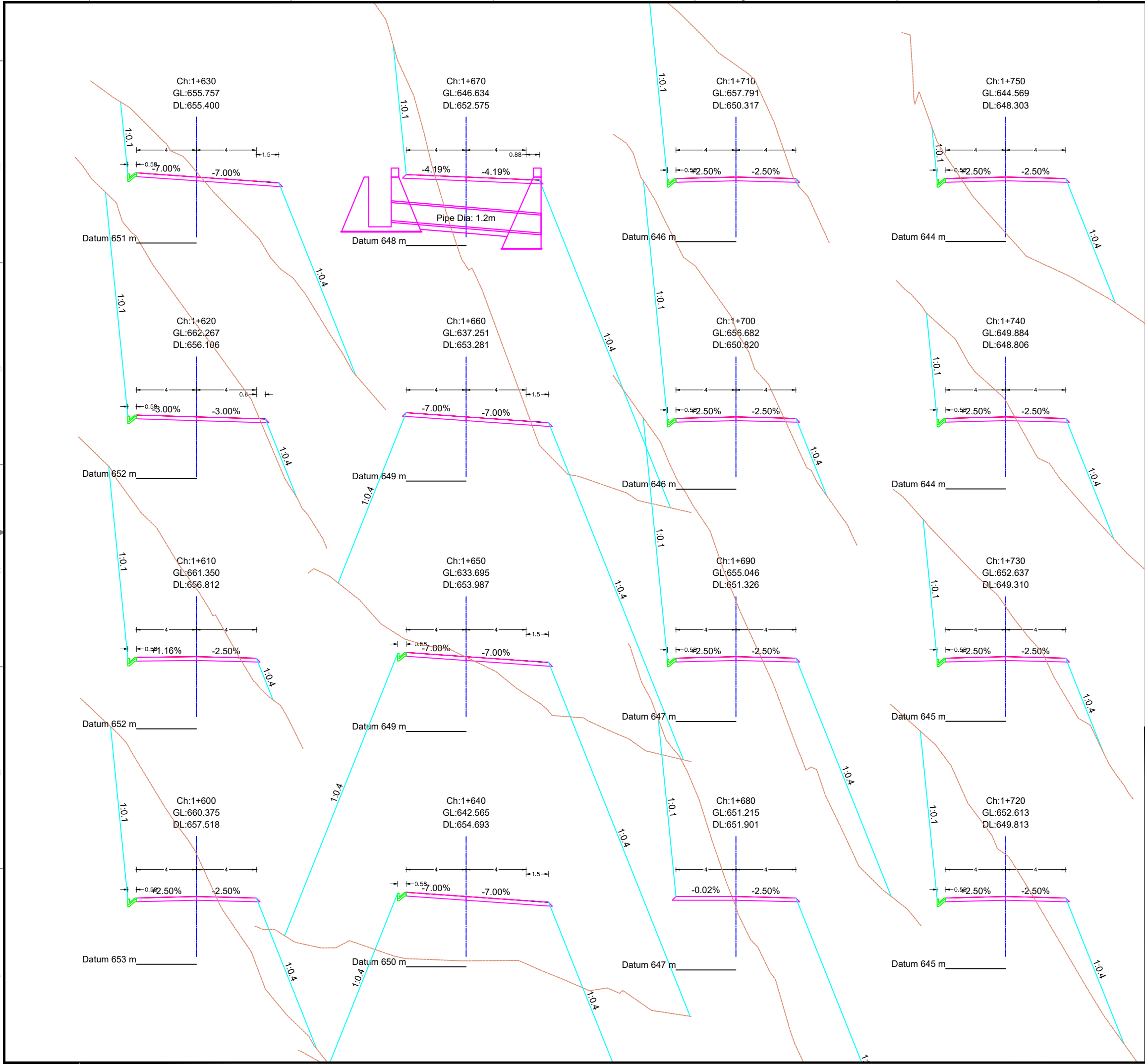
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 CROSS SECTION SHEET 18 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-MD-7-2024-18			REV NA



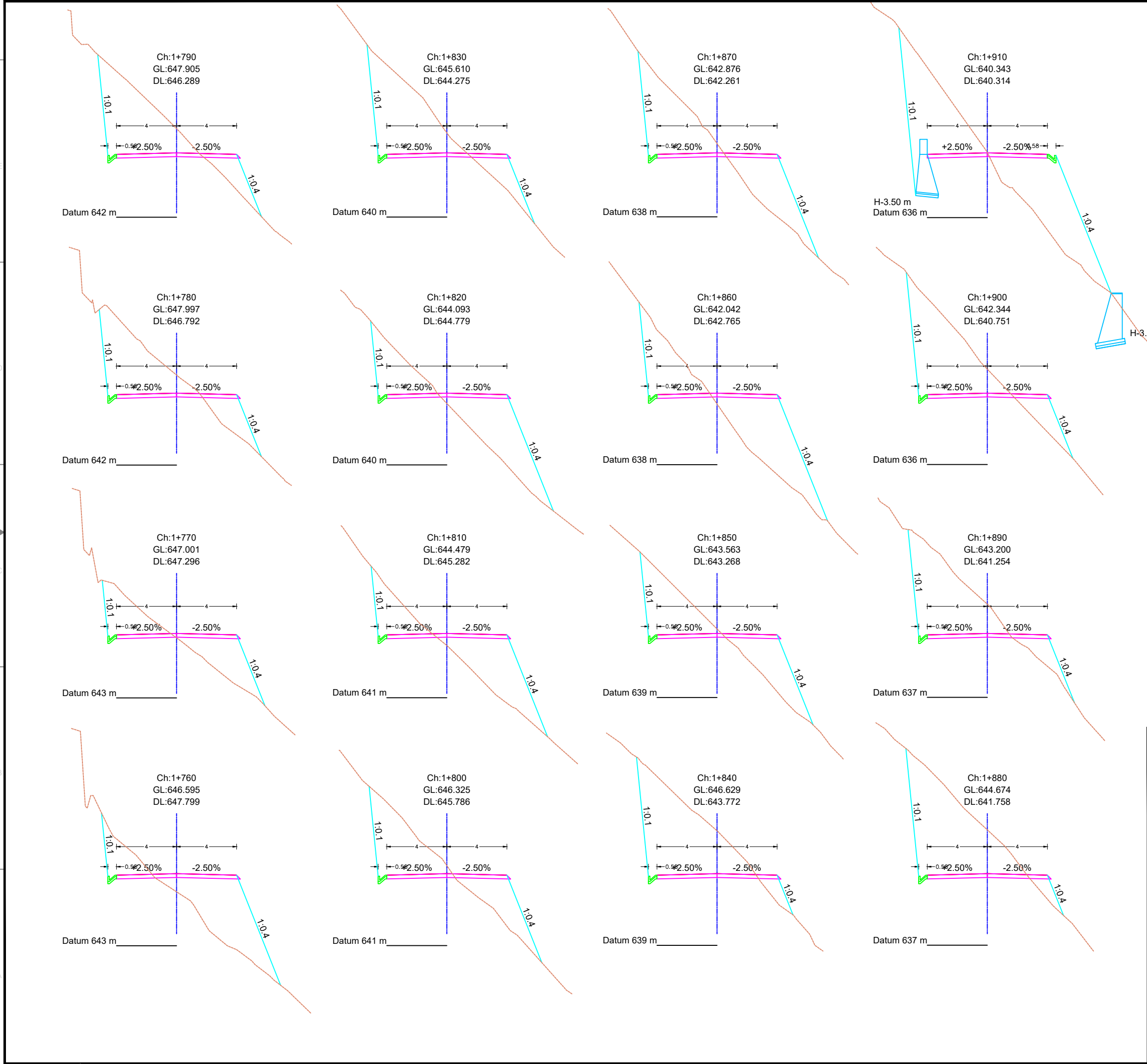
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 CROSS SECTION SHEET 19 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size A3	Original Scale AS SHOWN	DRAWING NO. DHPP-ROAD-MD-7-2024-19			REV NA



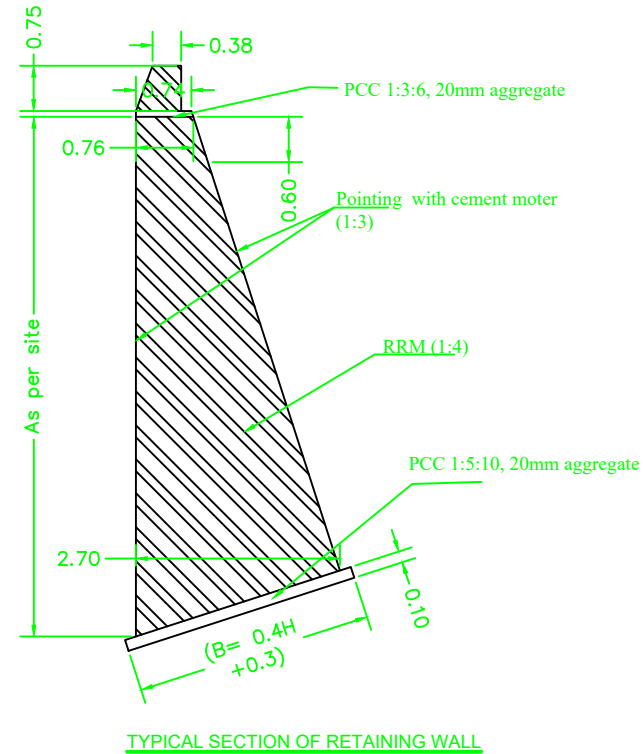
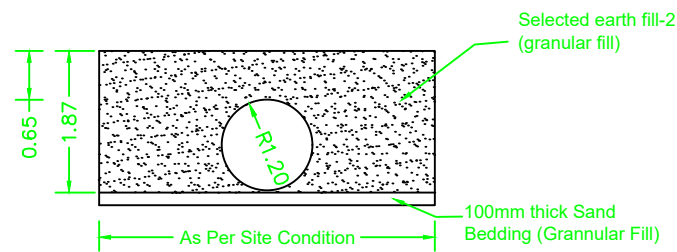
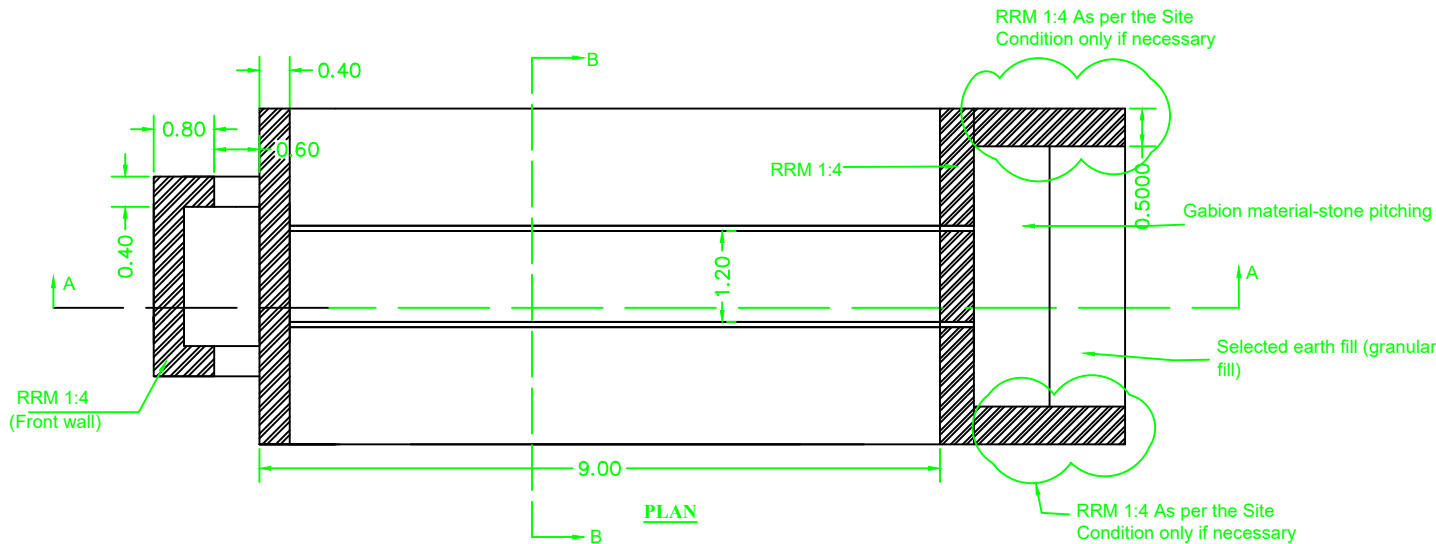
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SCALE 1 : 250

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn:	Checked:	Recommended:	Approved:
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 CROSS SECTION					
SHEET 20 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	A3	Original Scale	AS SHOWN	DRAWING NO.	DHPP-ROAD-MD-7-2024-20
				REV	NA

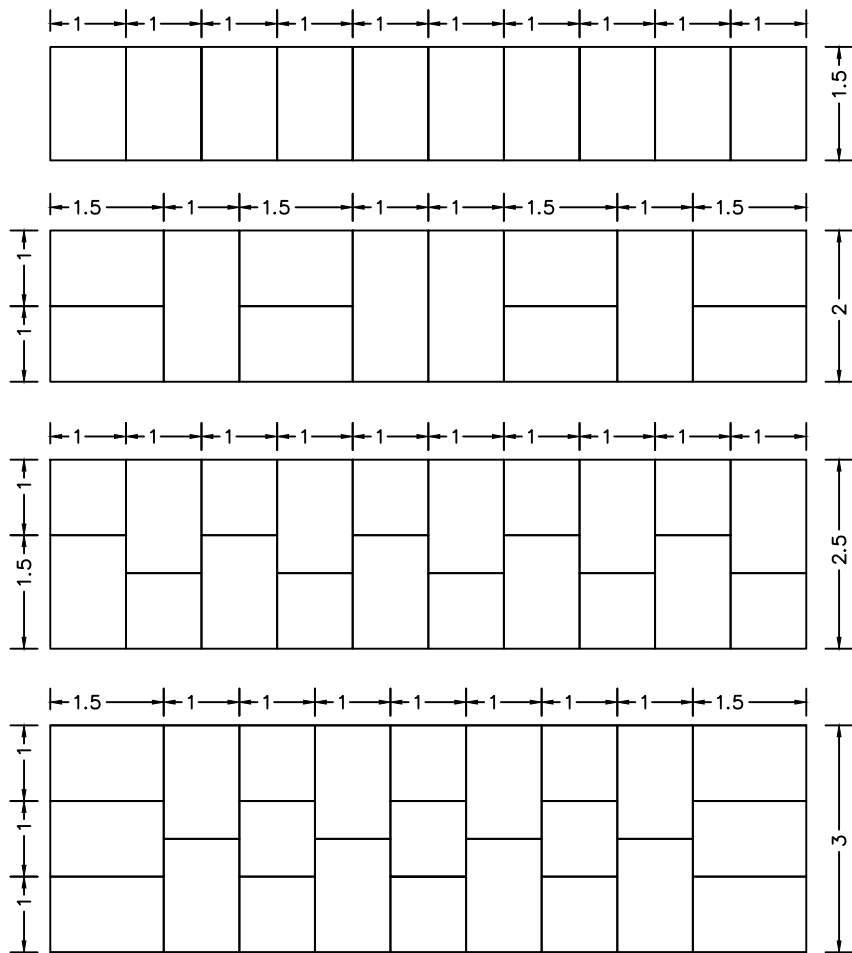
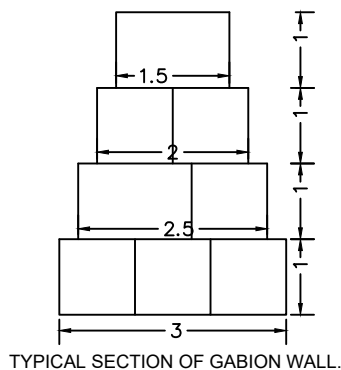


SCALE 1 : 100

1.0 0 1.0 2.0 3.0 4.0 5.0m

ISSUED FOR CONSTRUCTION

Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 TYPICAL SECTION OF RETAINING WALL AND HUME PIPE					
SHEET 21 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	Original Scale	DRAWING NO.			REV
A3	AS SHOWN	DHPP-ROAD-MD-7-2024-21			NA



FOURTH LAYER:
1.5x1x1=10

THIRD LAYER:
1.5x1x1=8
2x1x1=4

SECOND LAYER:
1x1x1=10
1.5x1x1=10

FIRST LAYER:
1x1x1=9
1.5x1x1=14

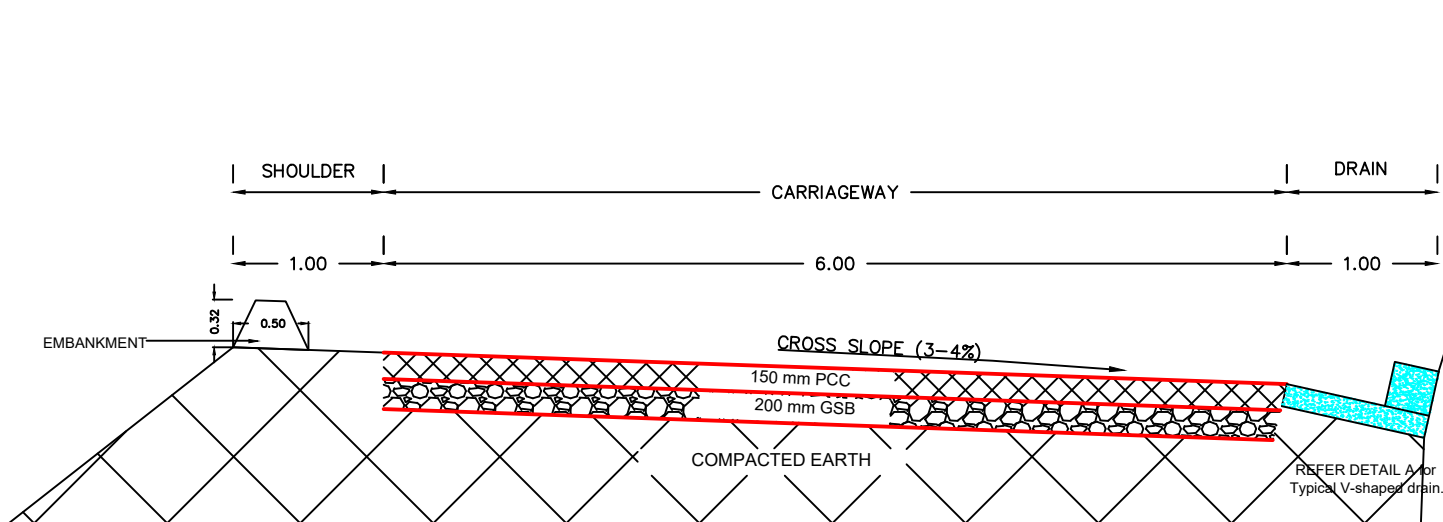
GABION WALL PLAN.



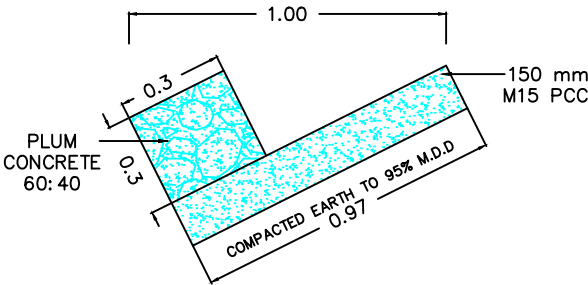
SCALE 1 : 100

ISSUED FOR CONSTRUCTION

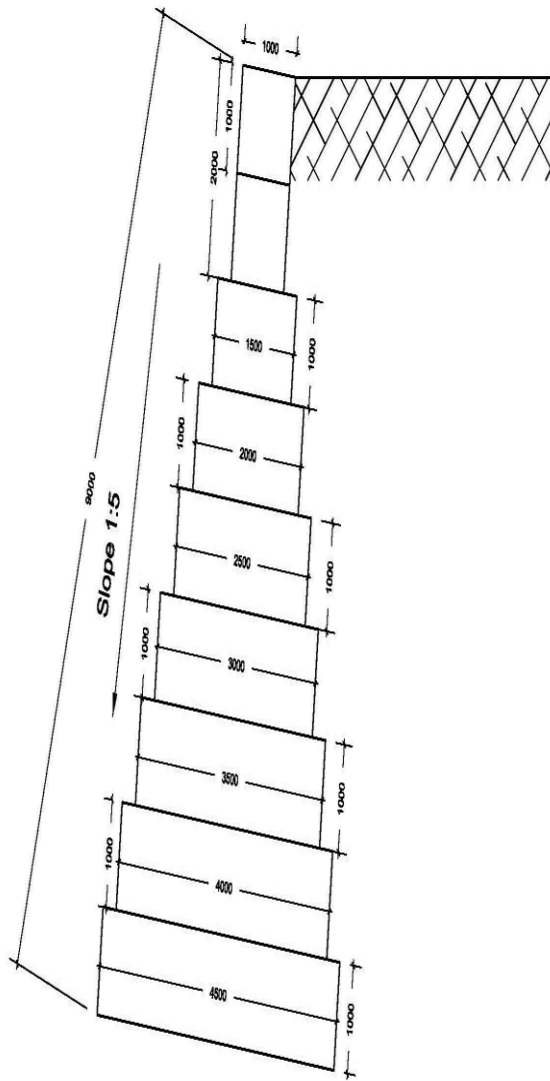
Rev	Modification	Drawn	Checked	Recommended	Approved
Client: DORJILUNG HYDROPOWER PROJECT					
Project: DORJILUNG HYDROPOWER PROJECT (1125 MW) MONGAR, BHUTAN					
Title: ROAD TO MUCKDUMP 7 TYPICAL SECTION OF PAVEMENT AND DRAIN					
SHEET 22 OF 22					
CONSULTANT:		NAME	SIG.		
		Designed			
		Drawn			
		Checked			
		Approved			
		Issued Date	NOV 2024		
Original Size	Original Scale	DRAWING NO.			REV
A3	AS SHOWN	DHPP-ROAD-MD-7-2024-22			NA



Typical One-way Camber Cross Slope in Super Elevated Sections for Double Lane.

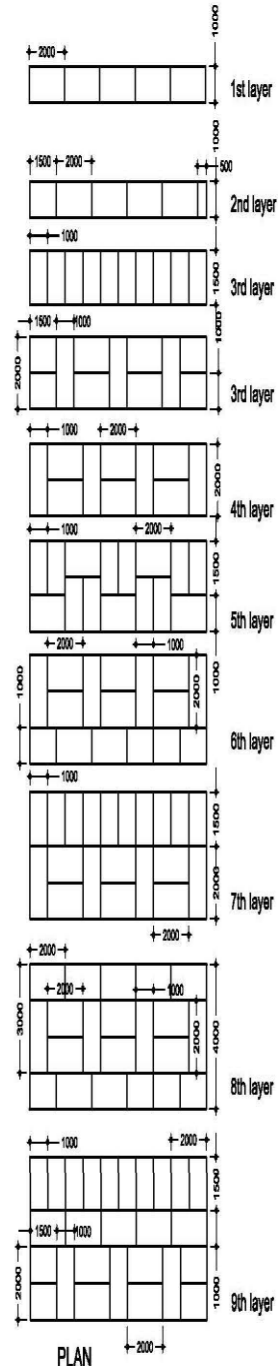


DETAIL A: Typical V-shaped drain



SECTION

Note :
Provide foundation drains @ 1500c/c



GABION WALL