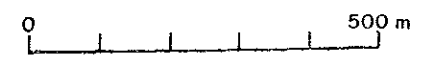
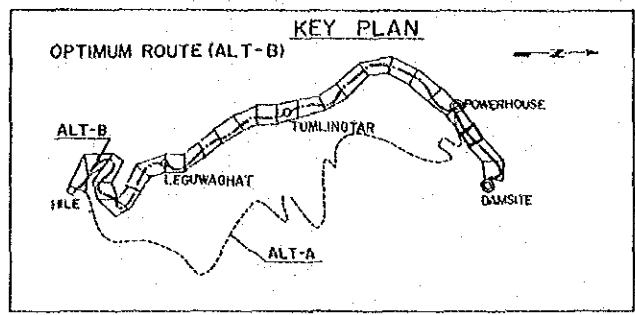
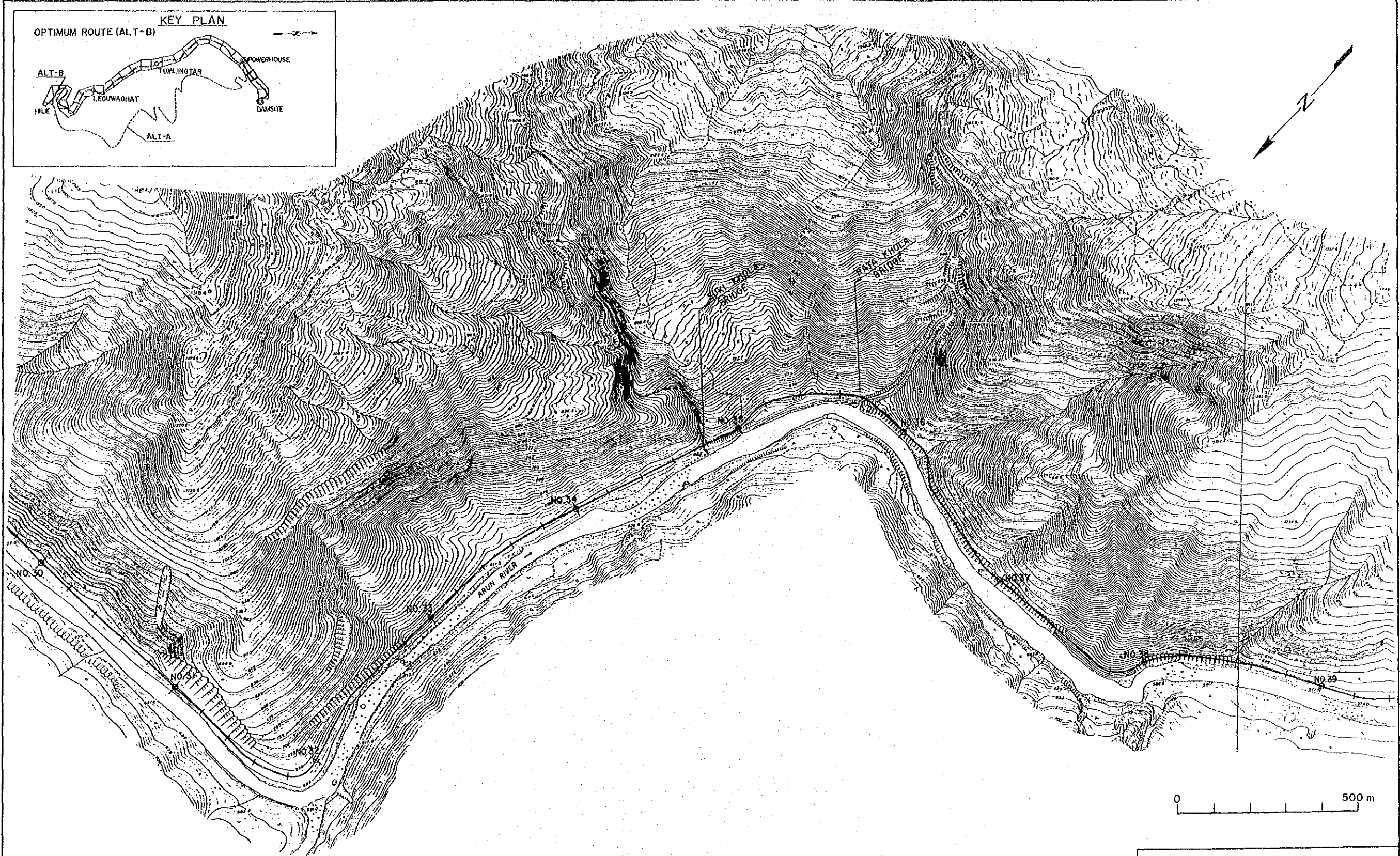


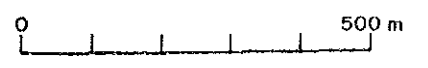
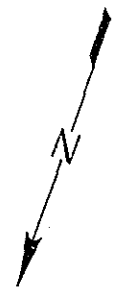
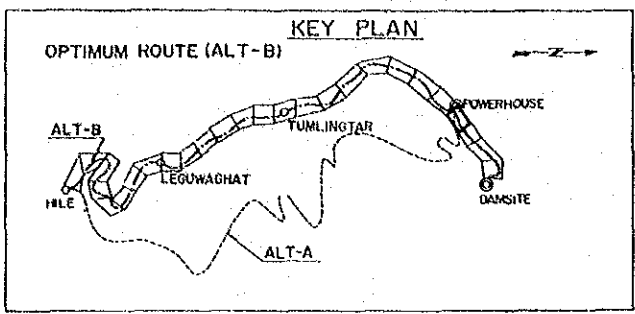
ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN ( 2 of 26 ) OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 5	DATE March, 1987





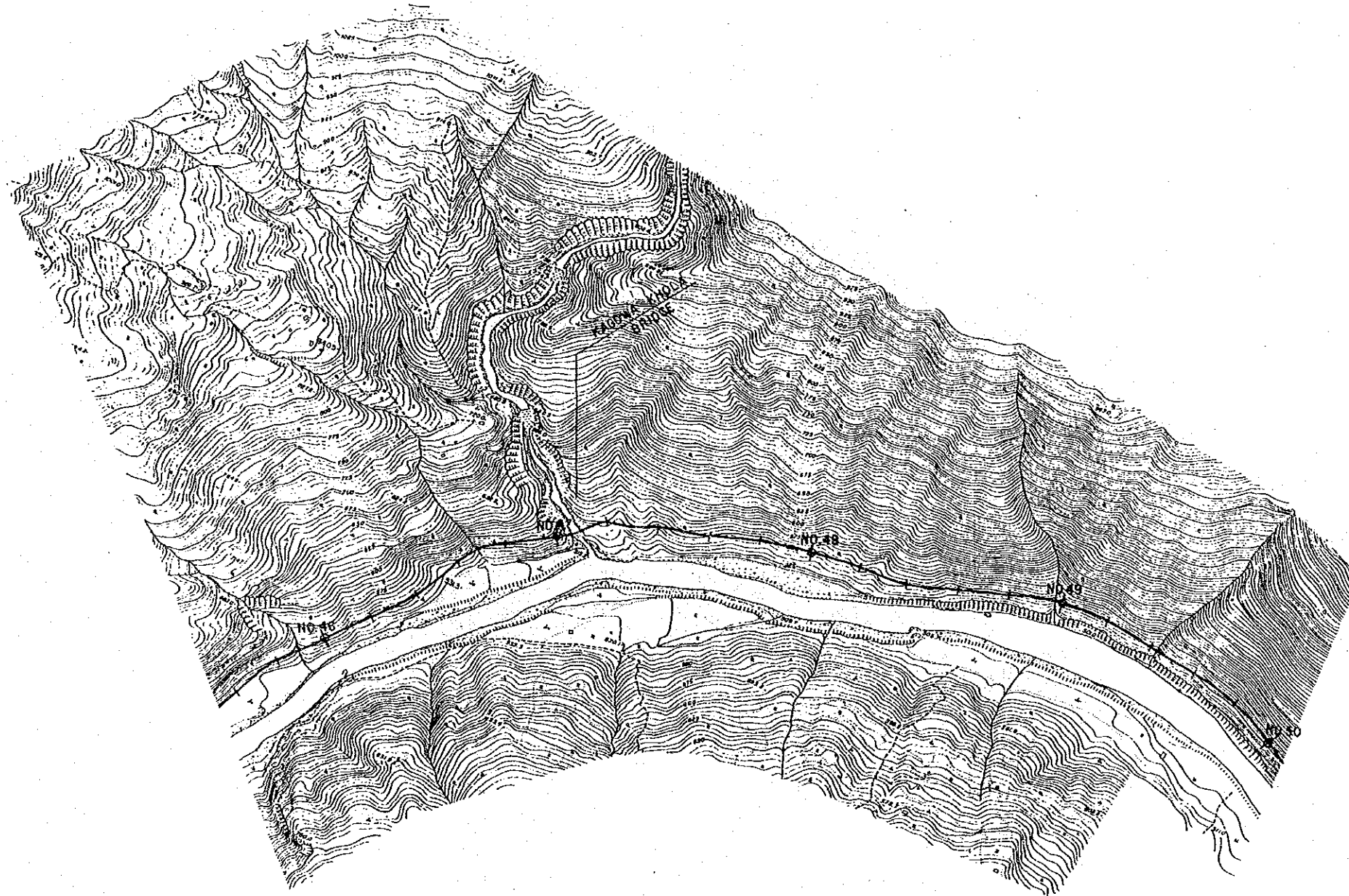
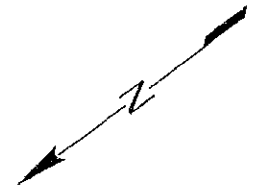
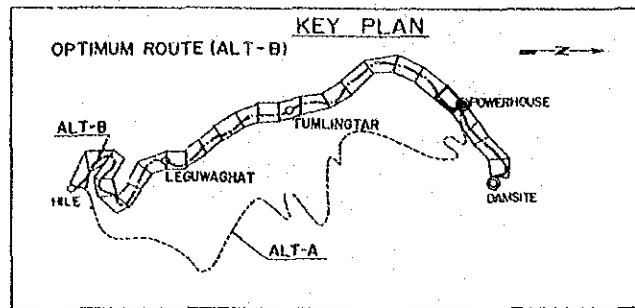
ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN ( 3 of 26 ) OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 6	DATE JUNE 1987





ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN ( 4 of 26 ) OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 7	DATE JUNE 1987

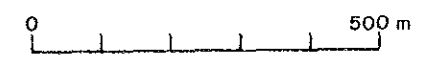
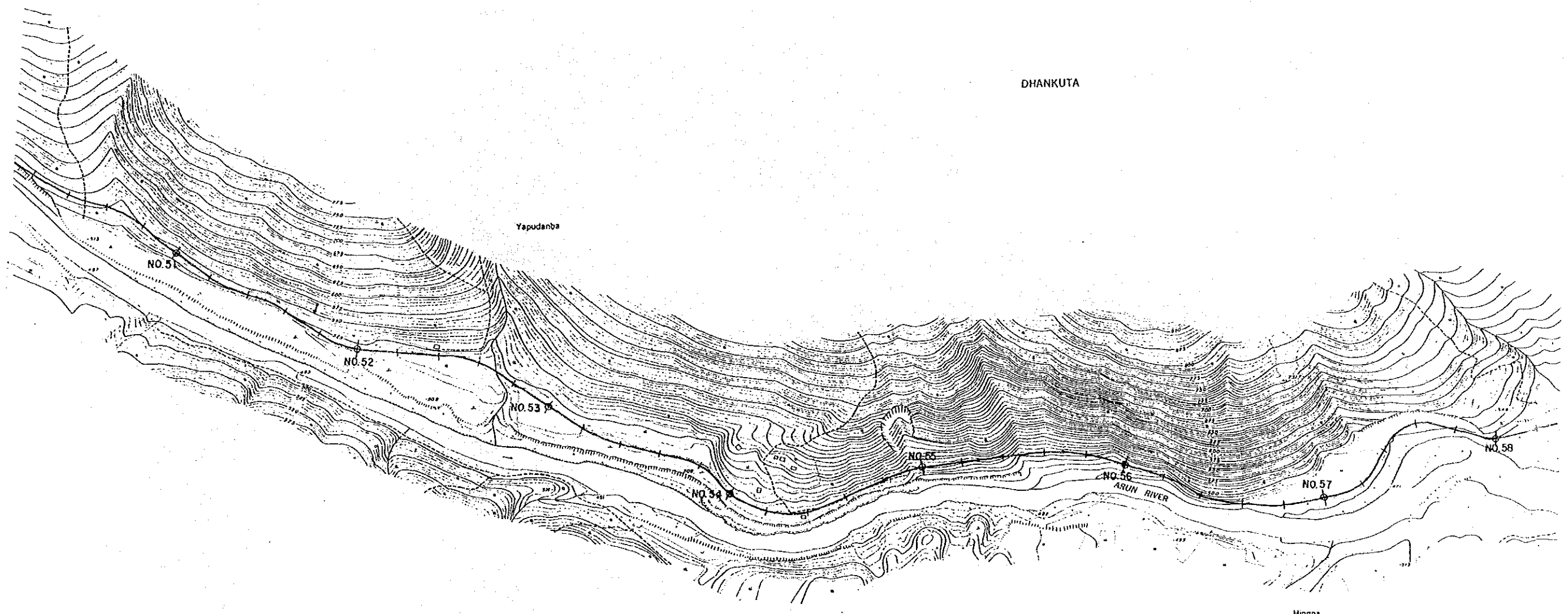
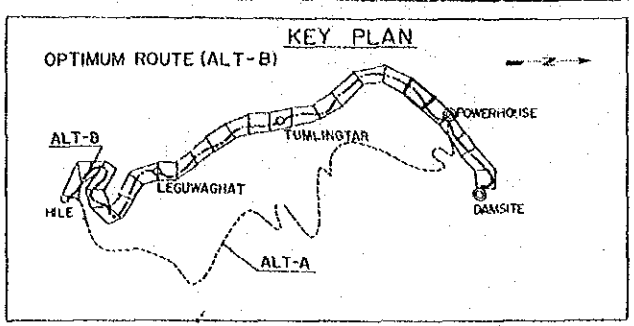




ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN ( 5 of 26 ) OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 8	DATE JUNE 1987

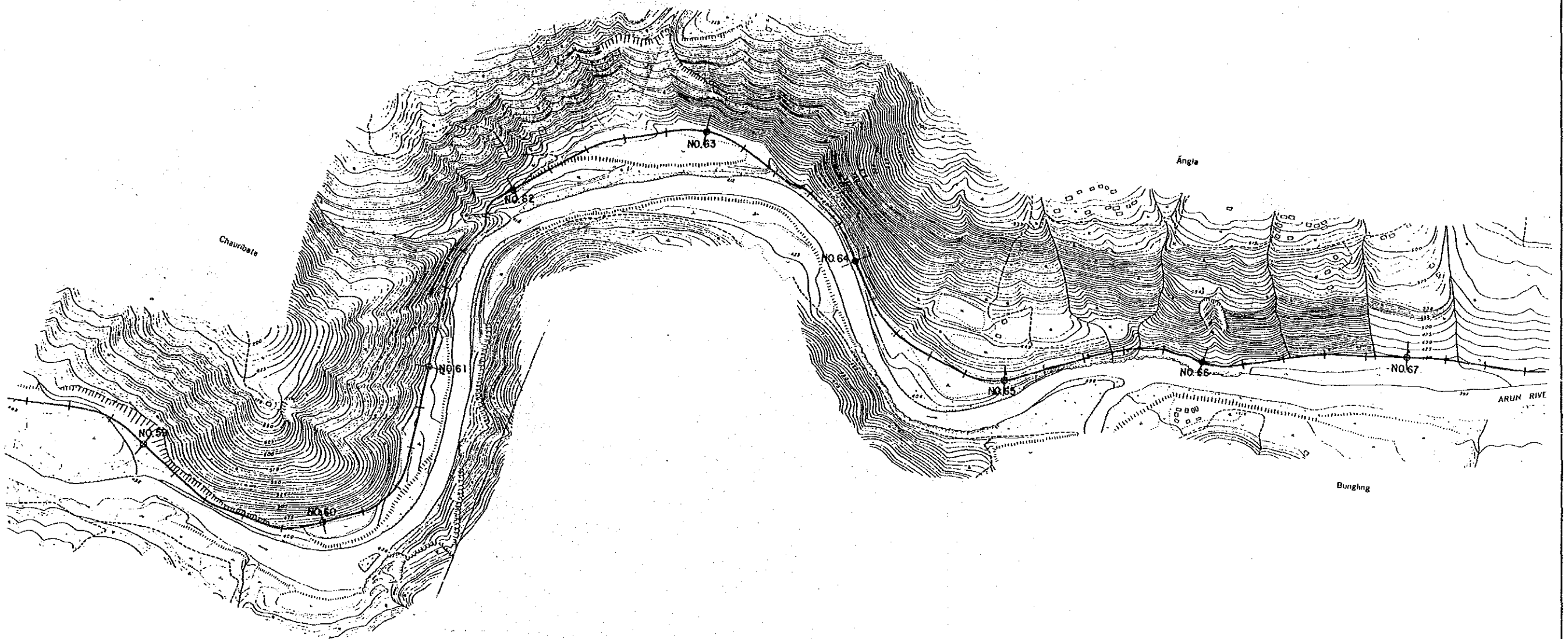
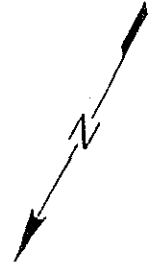
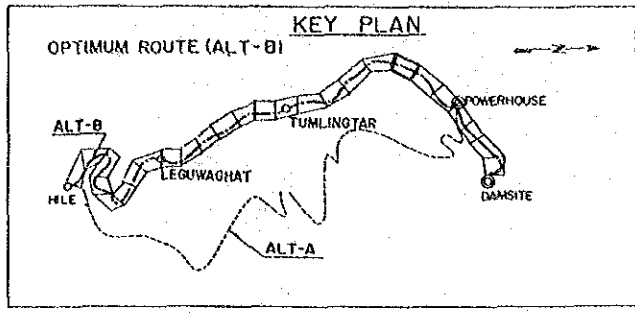






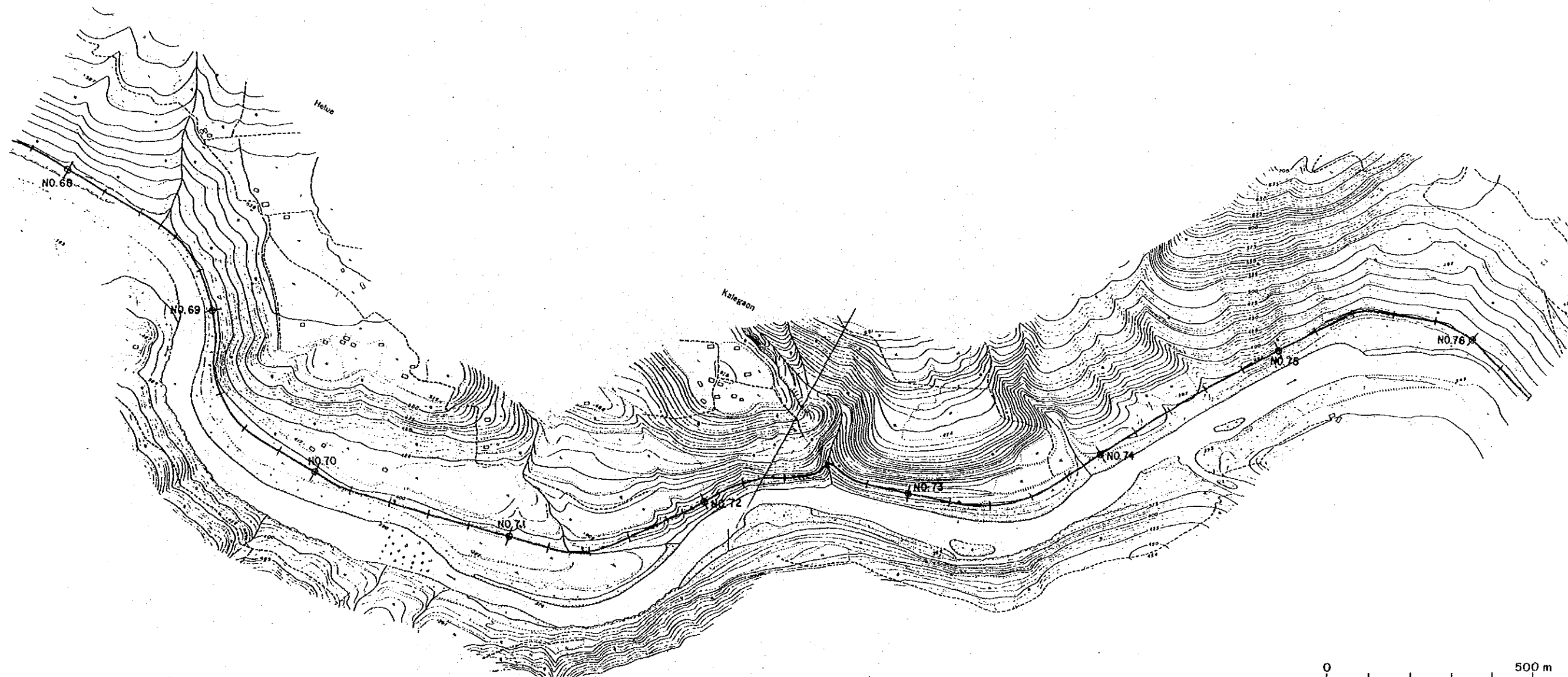
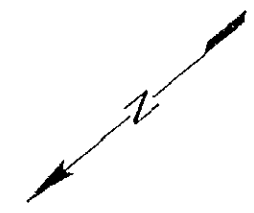
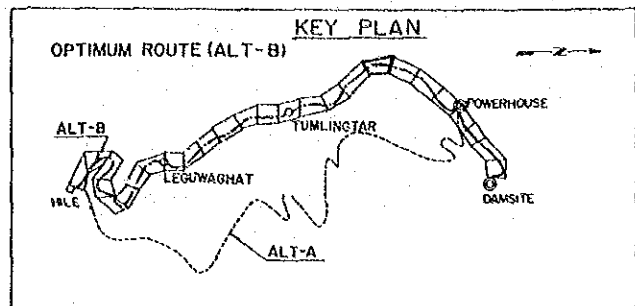
ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN ( 6 of 26 )	
OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 9	DATE JUNE 1987





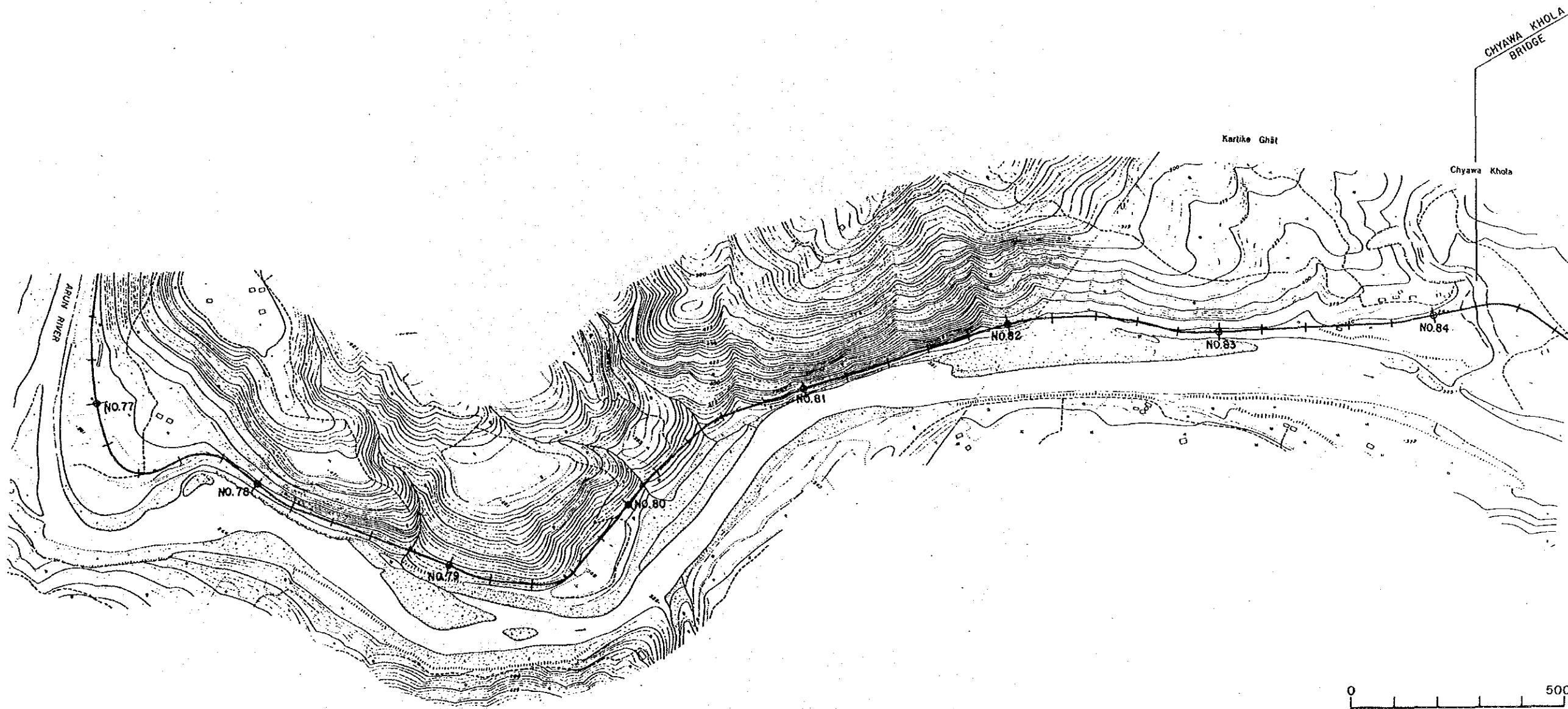
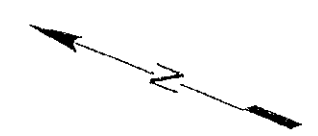
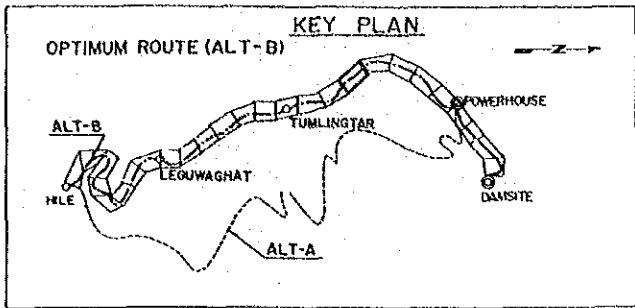
ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN ( 7 of 26 ) OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 10	DATE JUNE 1987





ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN ( 8 of 26 ) OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 11	DATE JUNE 1987

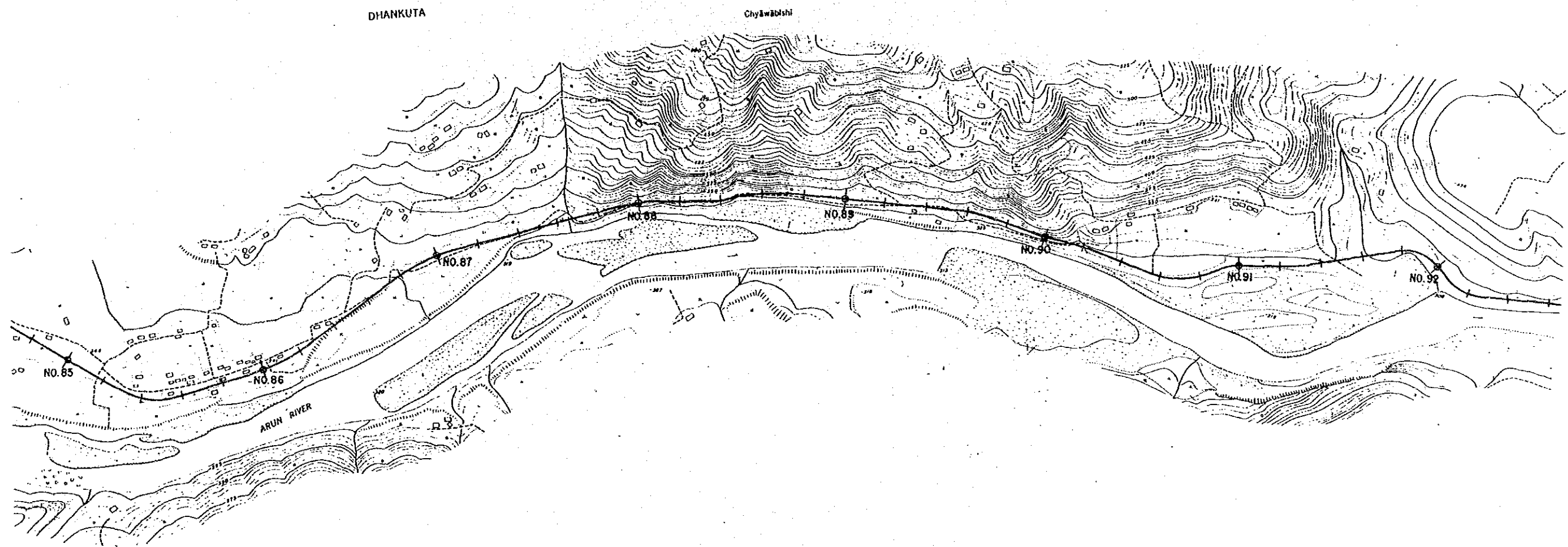
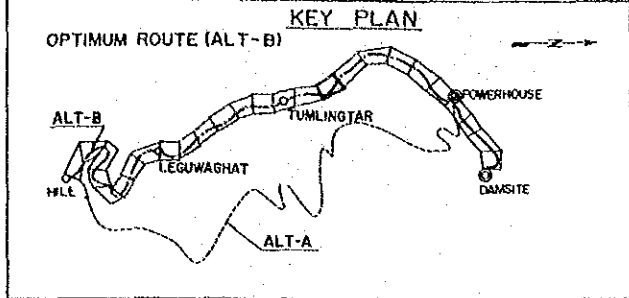




ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN ( 9 of 26 ) OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 12	DATE JUNE 1987

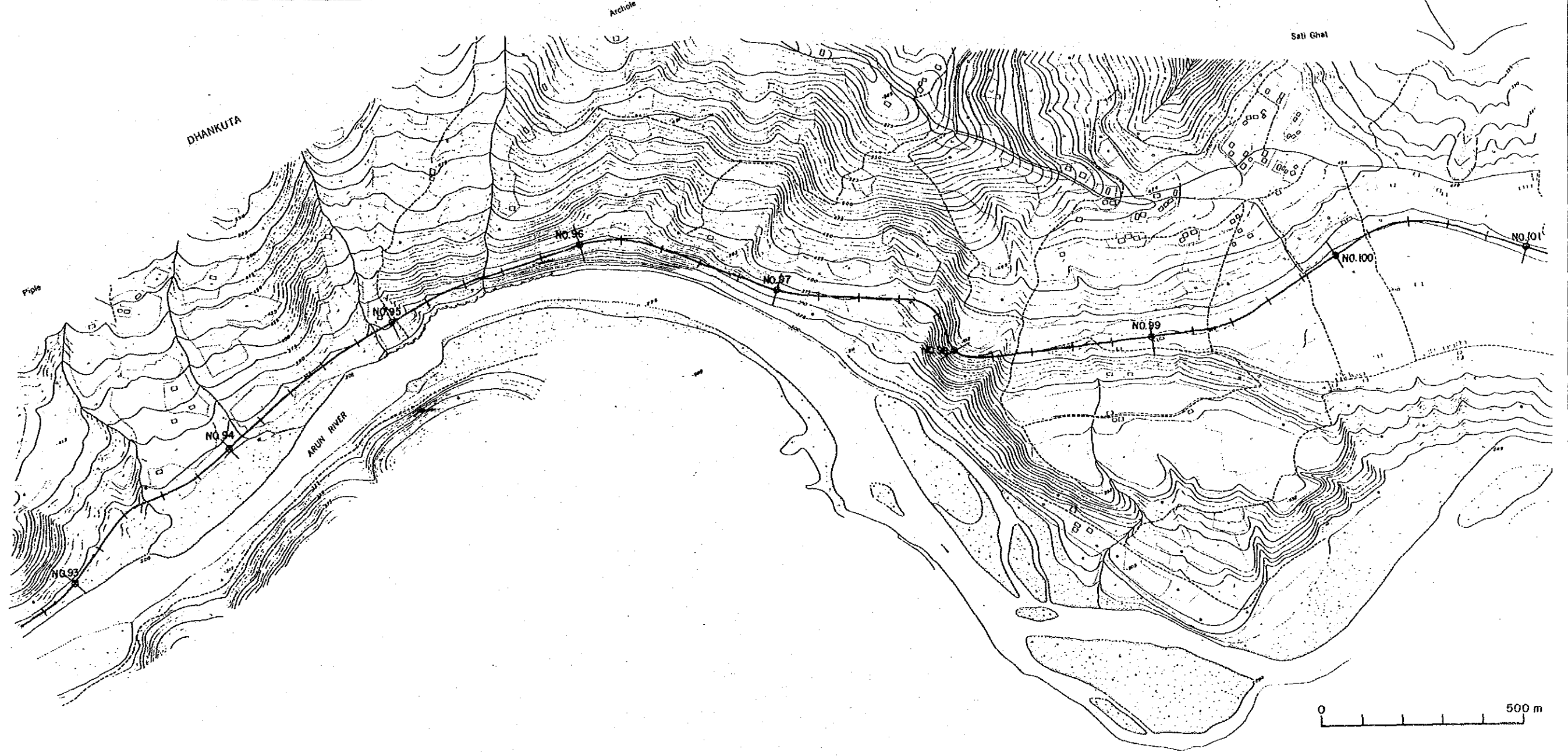
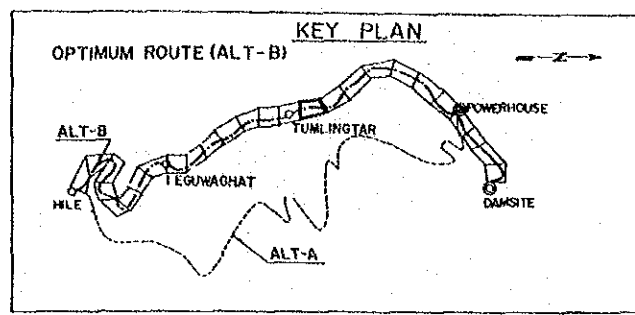






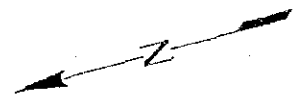
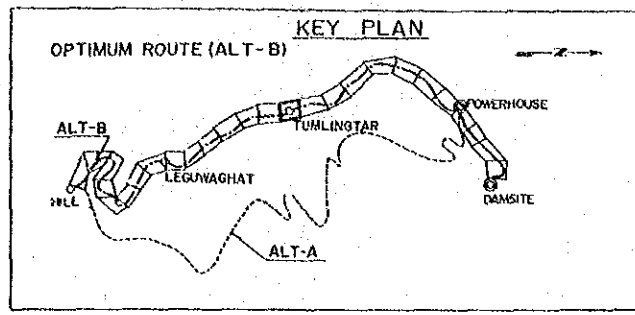
ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN (10 of 26)	
OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 13	DATE JUNE 1987





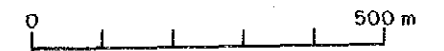
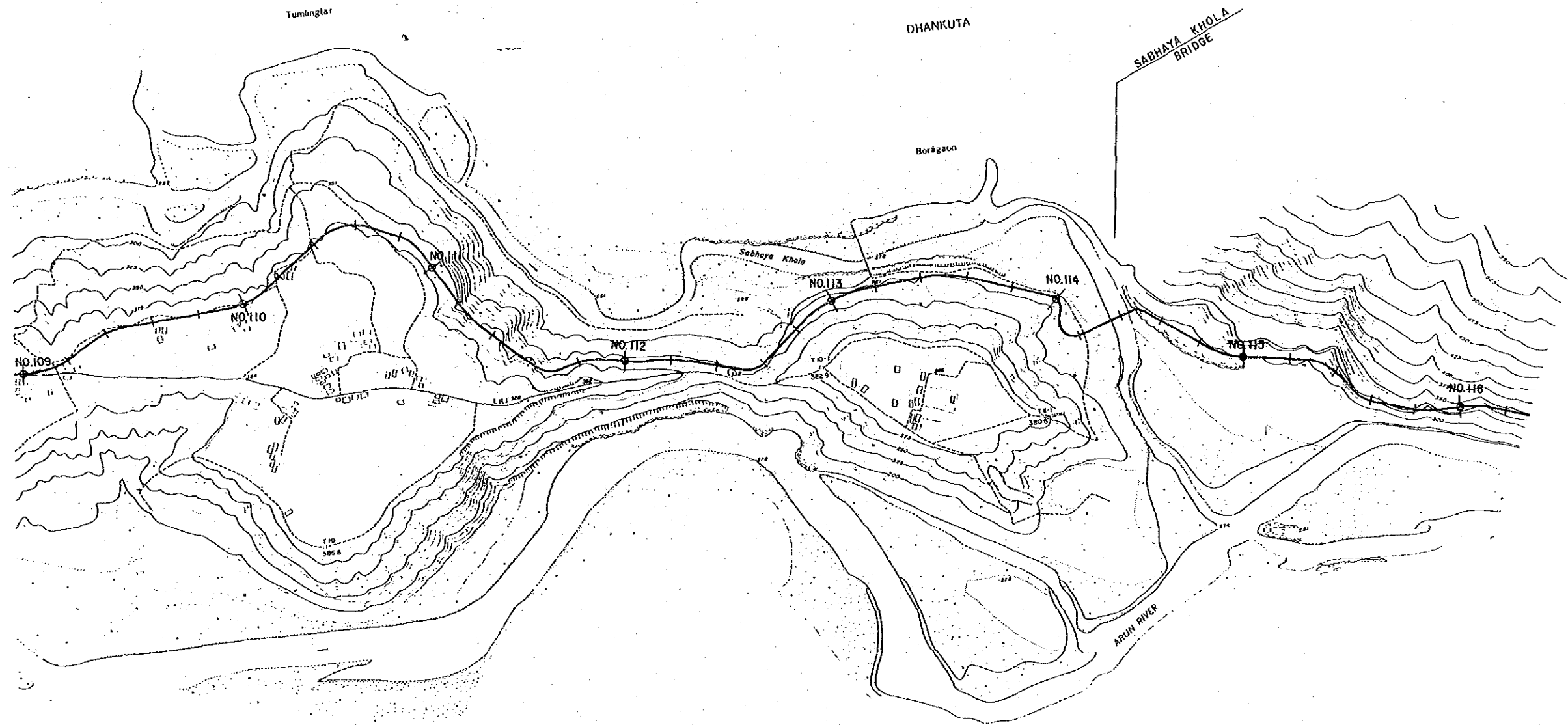
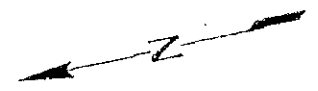
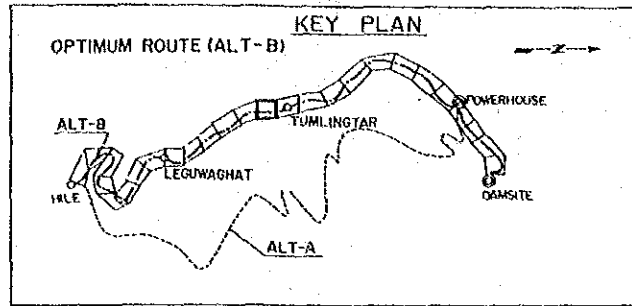
ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN ( 11 of 26 ) OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 14	DATE JUNE 1987





ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN ( 12 of 26 ) OPTIMUM ROUTE(ALT-B)	
DWG. ACR - 15	DATE JUNE 1987

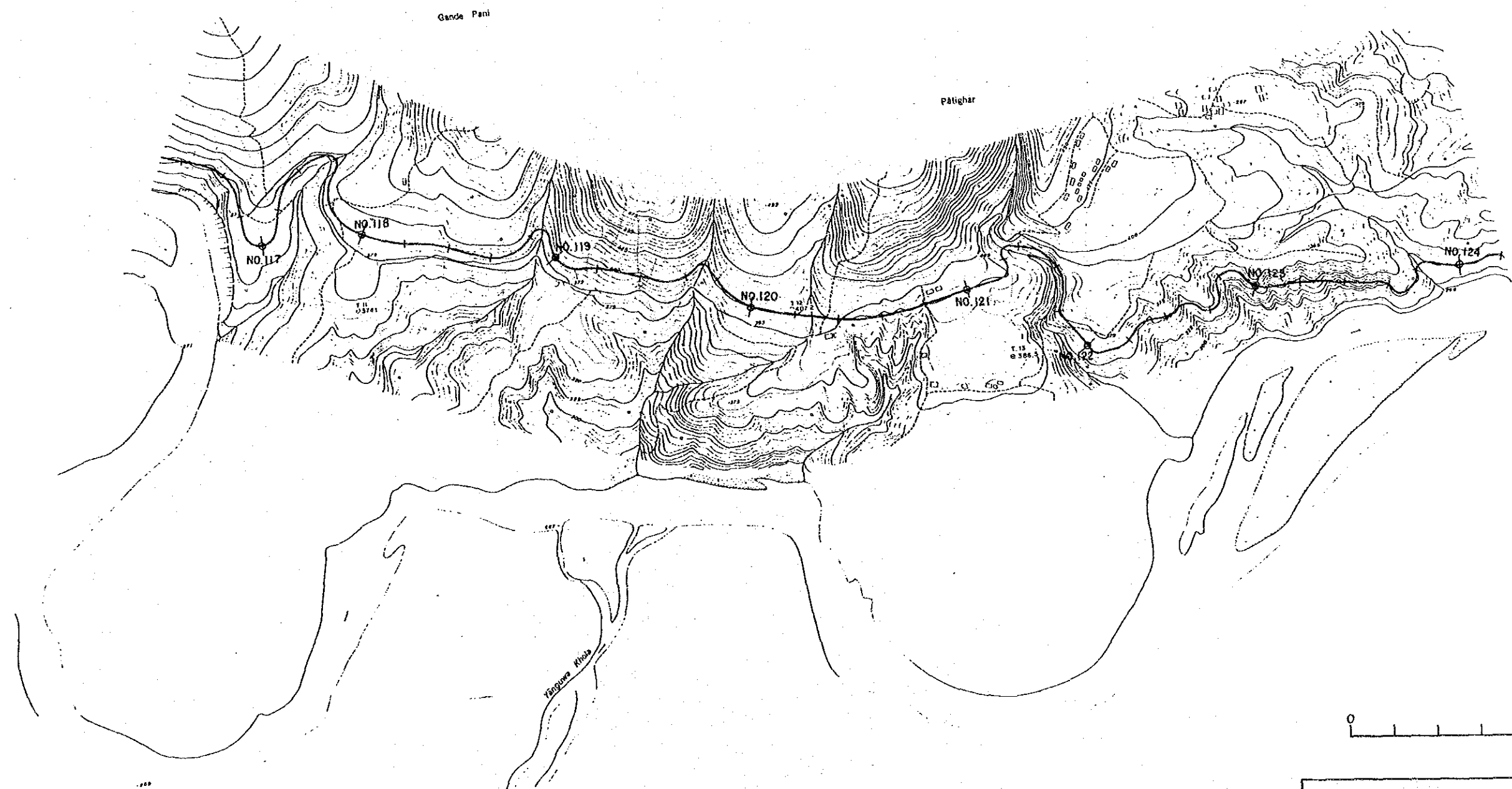
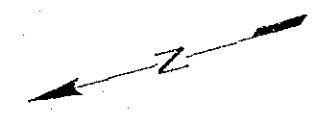
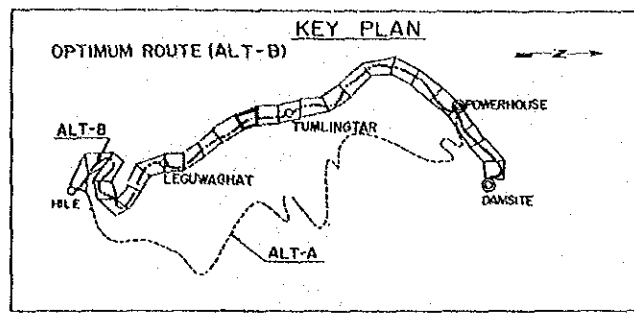




ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN (13 of 26)	
OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 16	DATE JUNE 1987

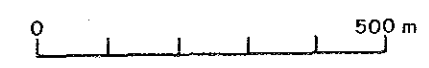
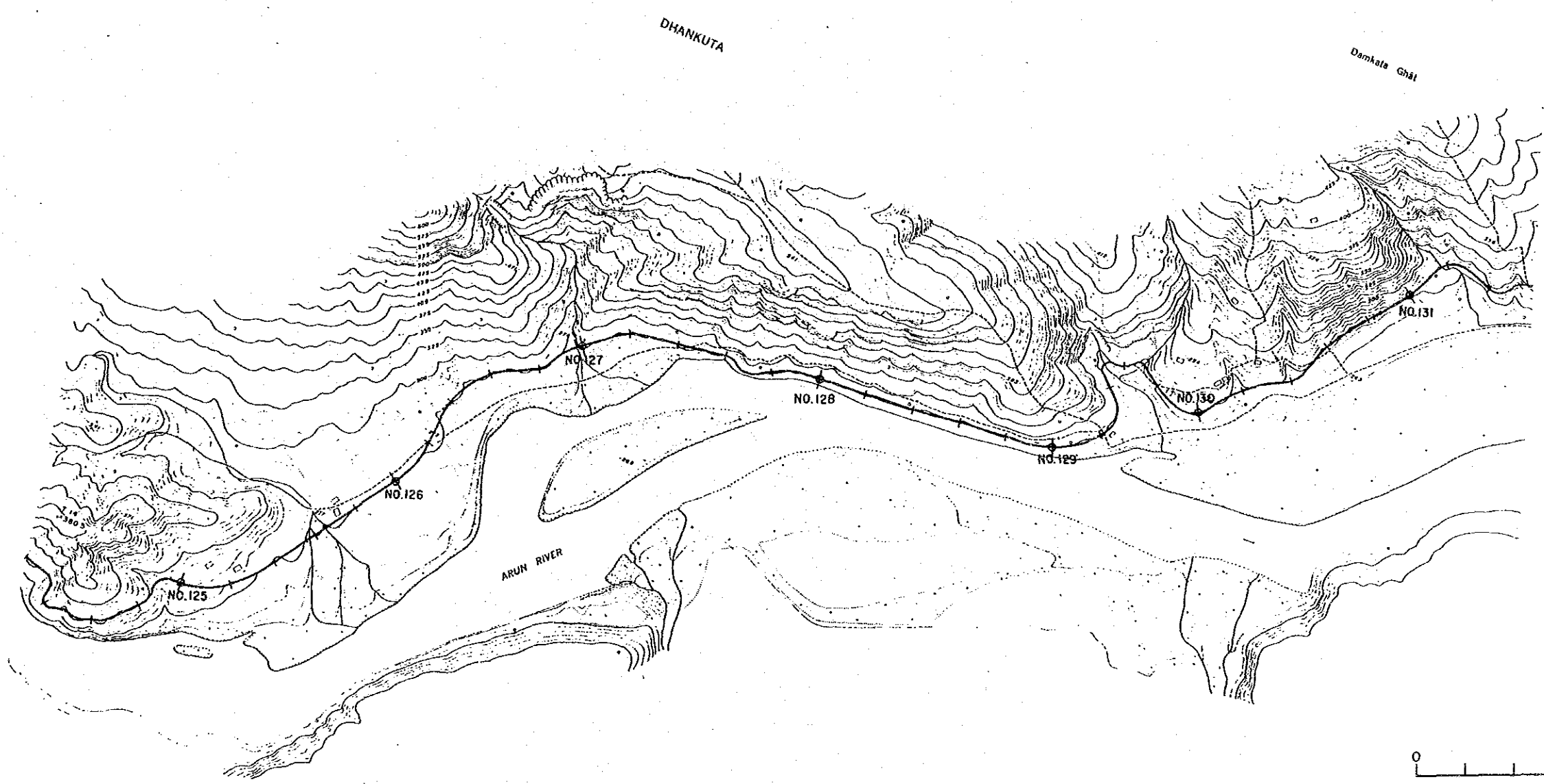
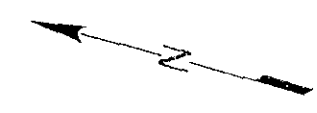
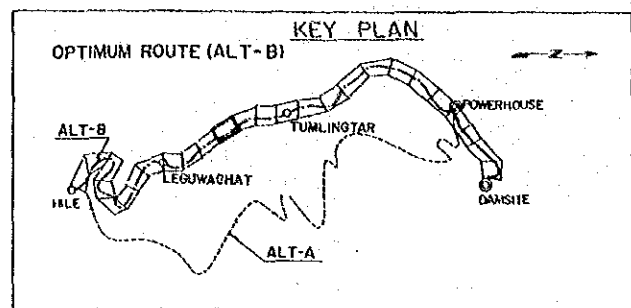






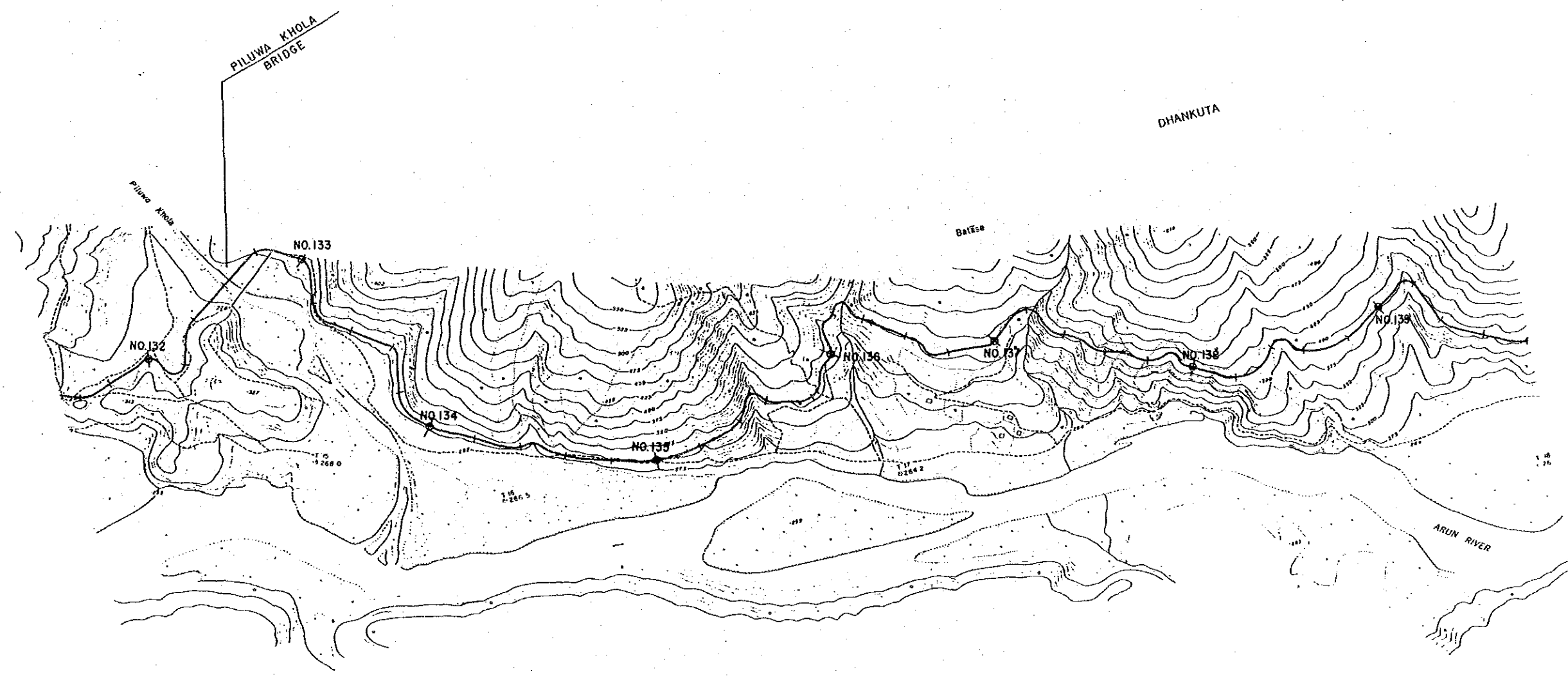
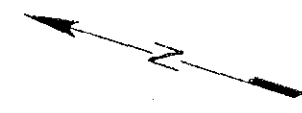
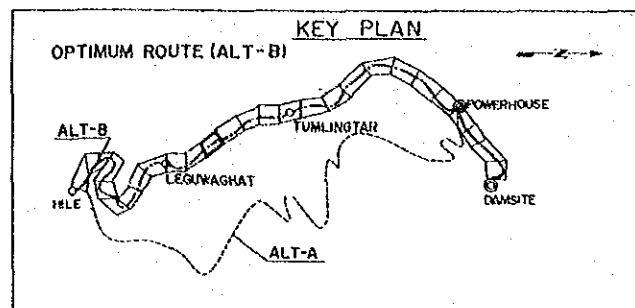
ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN (14 of 26) OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 17	DATE JUNE 1987





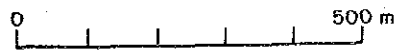
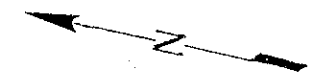
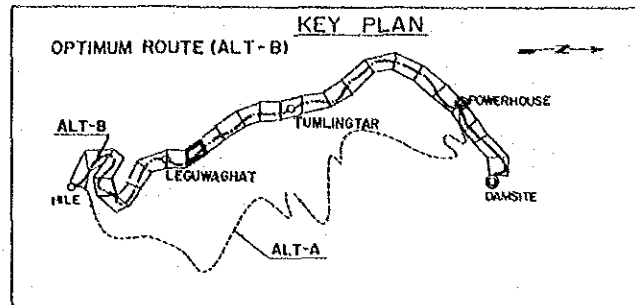
ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN (15 of 26)	
OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 18	DATE JUNE 1987





ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN (16 of 26) OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 19	DATE JUNE 1987

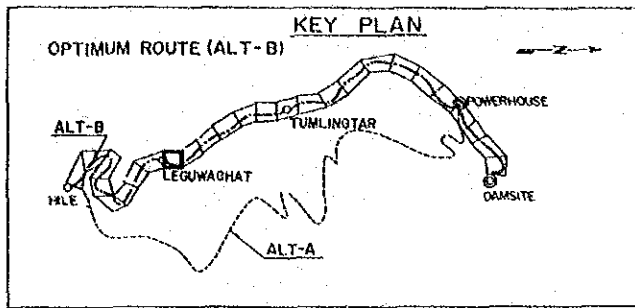




ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN (17 of 26) OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 20	DATE JUNE 1987

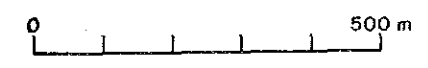
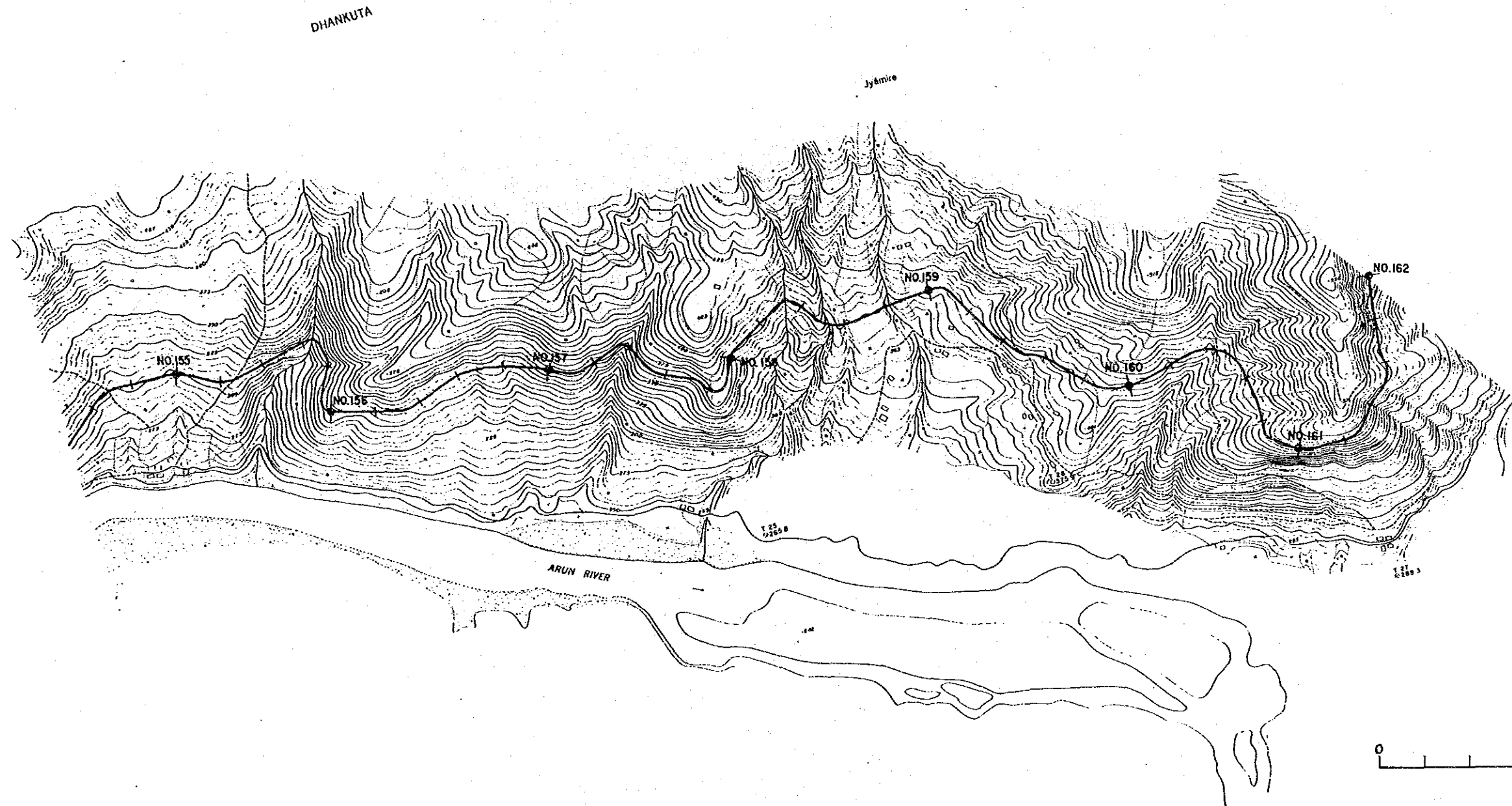
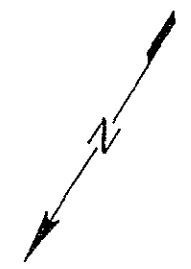
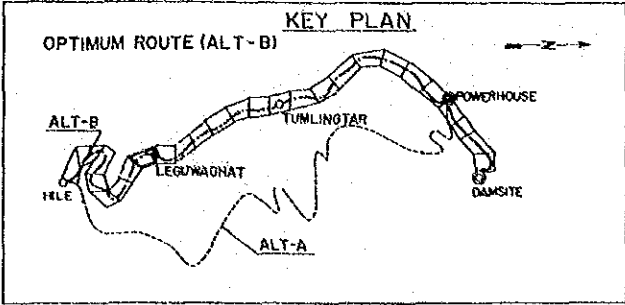






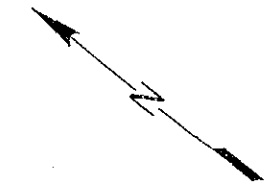
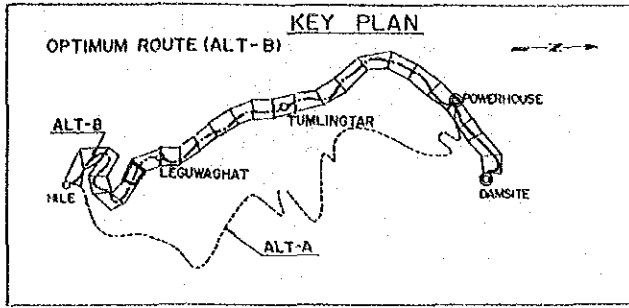
ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN (18 of 26)	
OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 21	DATE JUNE 1987





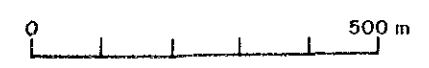
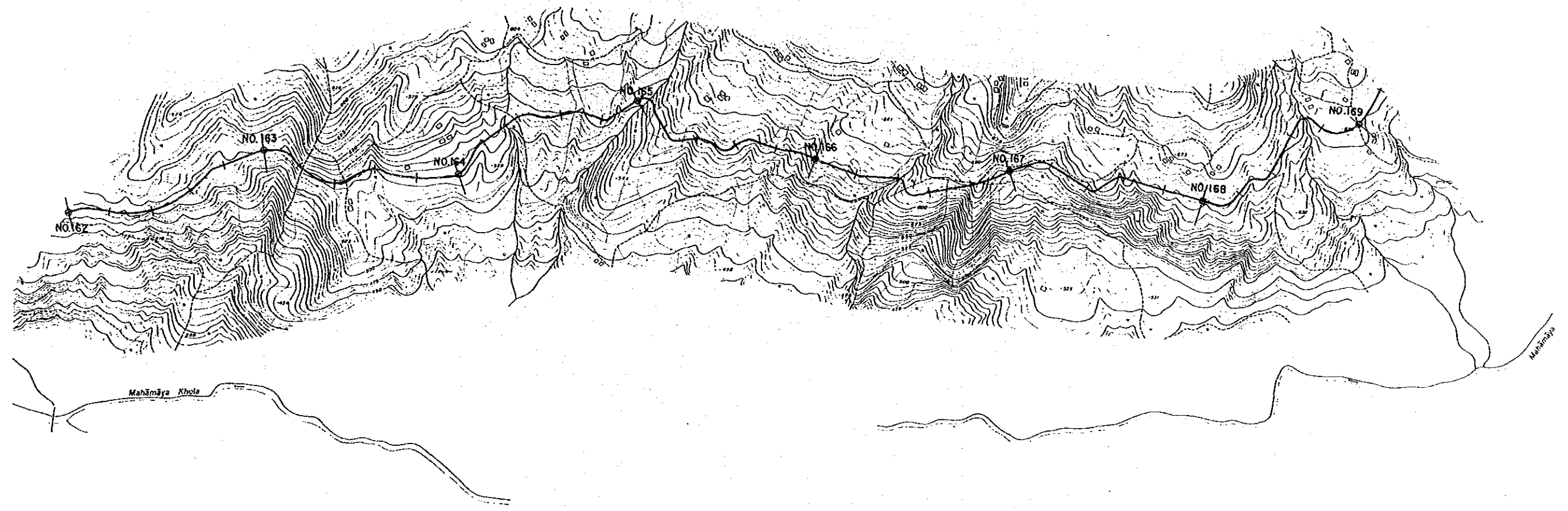
ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN (19 of 26) OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 22	DATE JUNE 1987





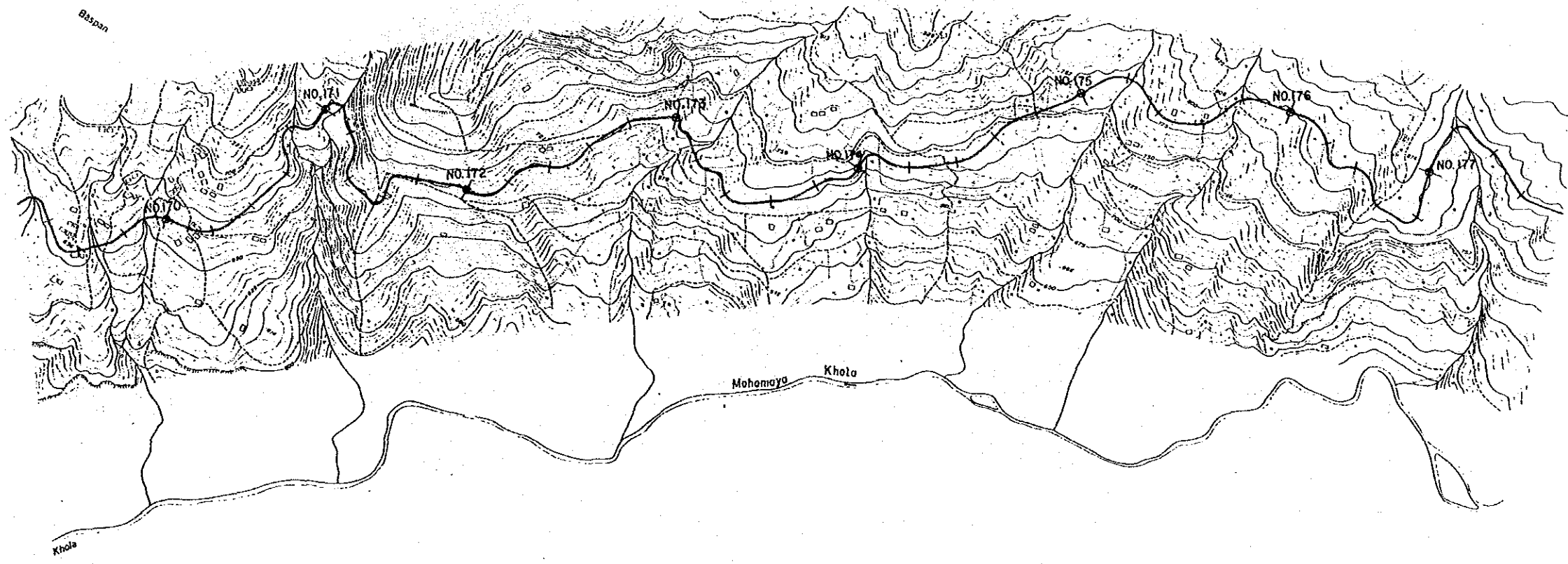
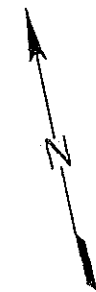
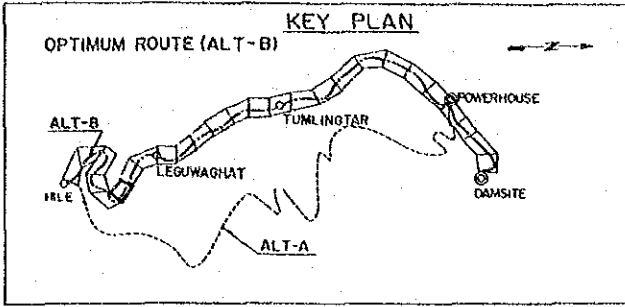
DHANKUTA

Khankharka



ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN (20 of 26) OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 23	DATE JUNE 1987

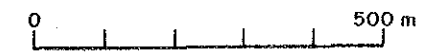
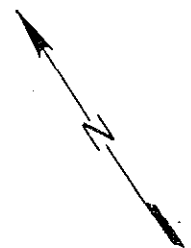
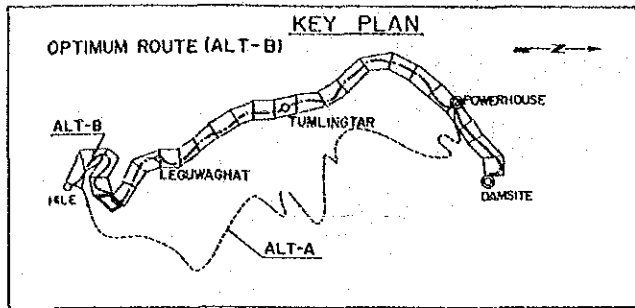




ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN (21 of 26)	
OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 24	DATE JUNE 1987

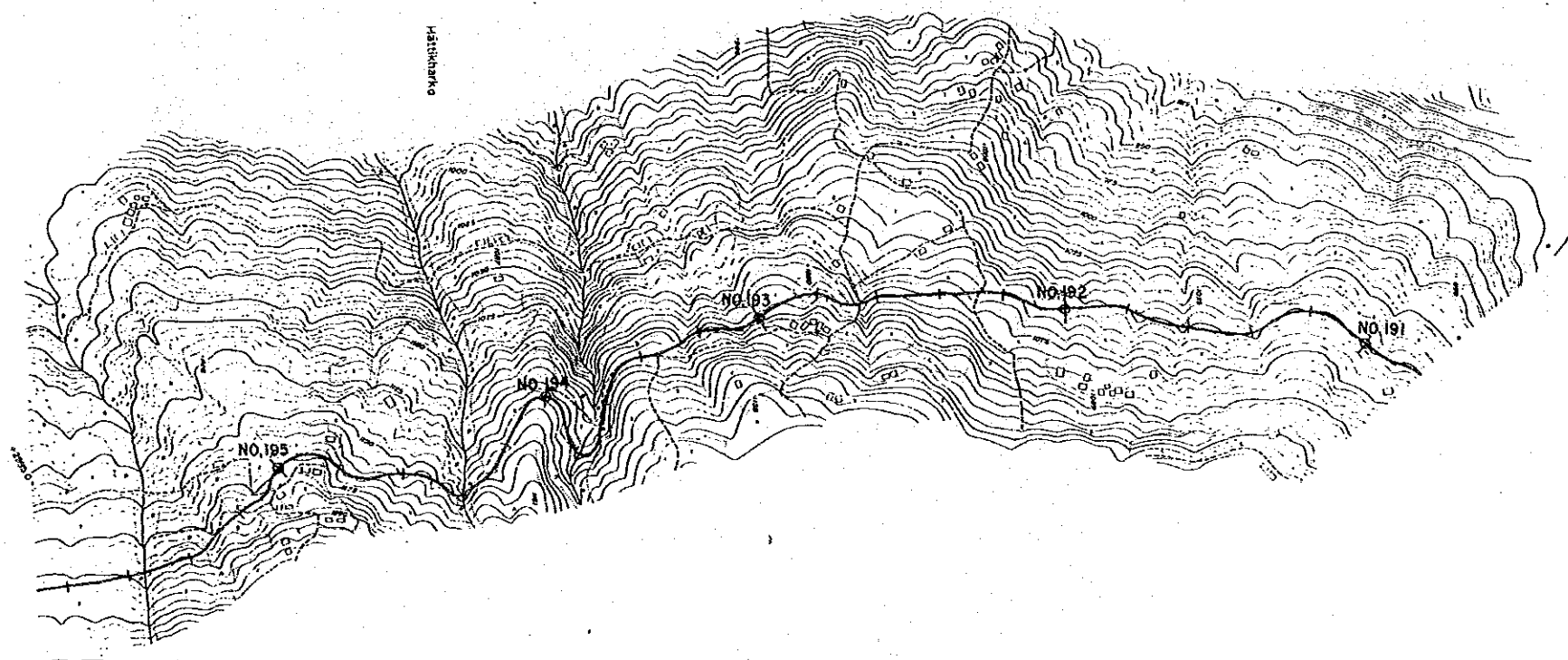
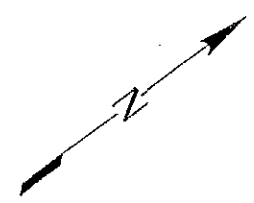
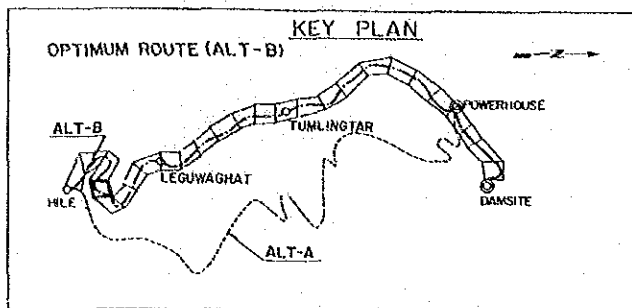






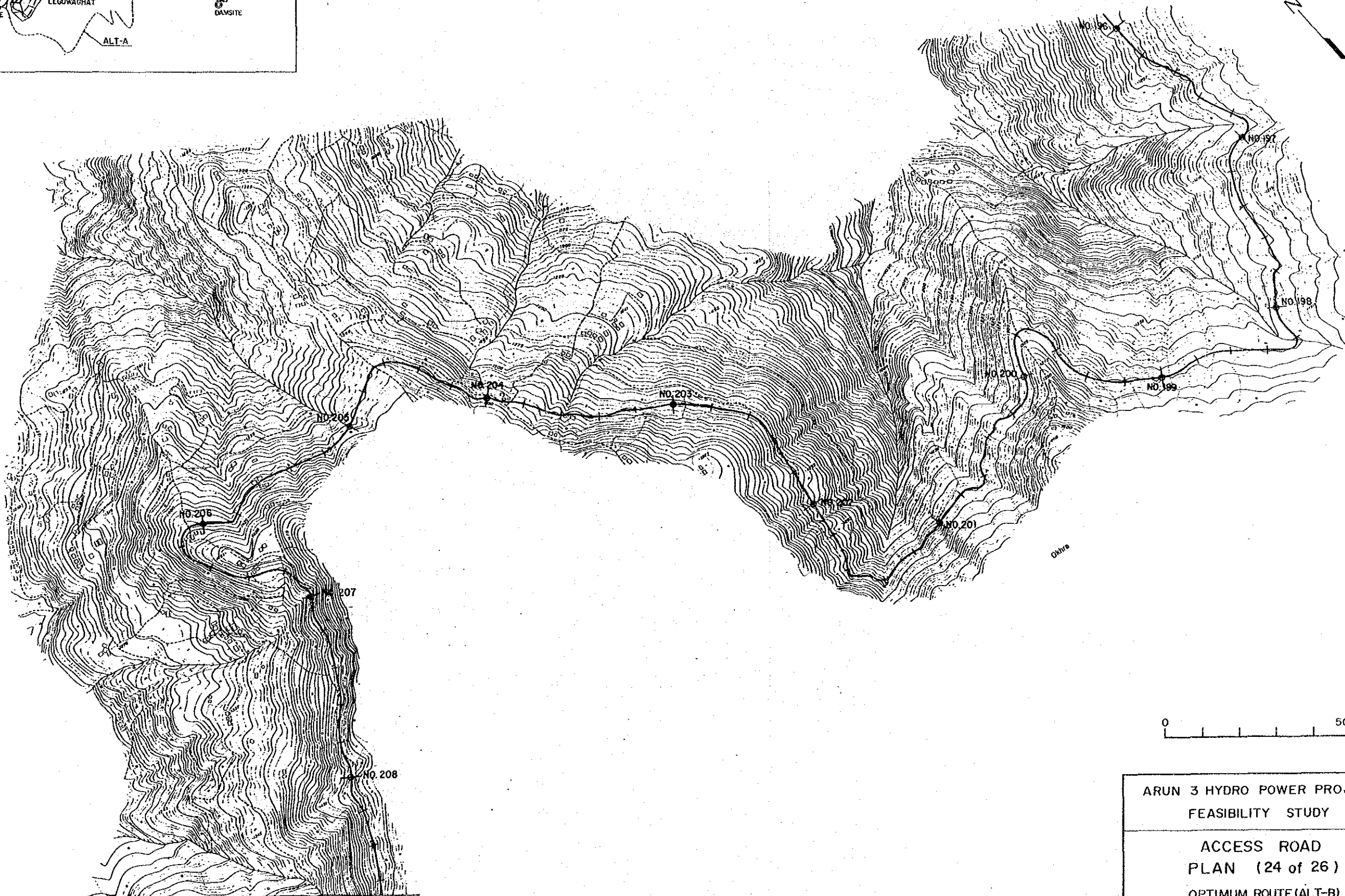
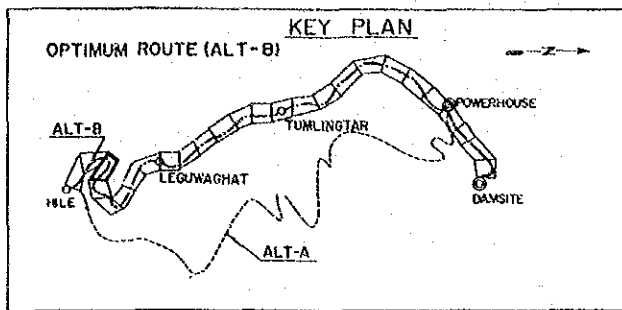
ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN (22 of 26)	
OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 25	DATE JUNE 1987





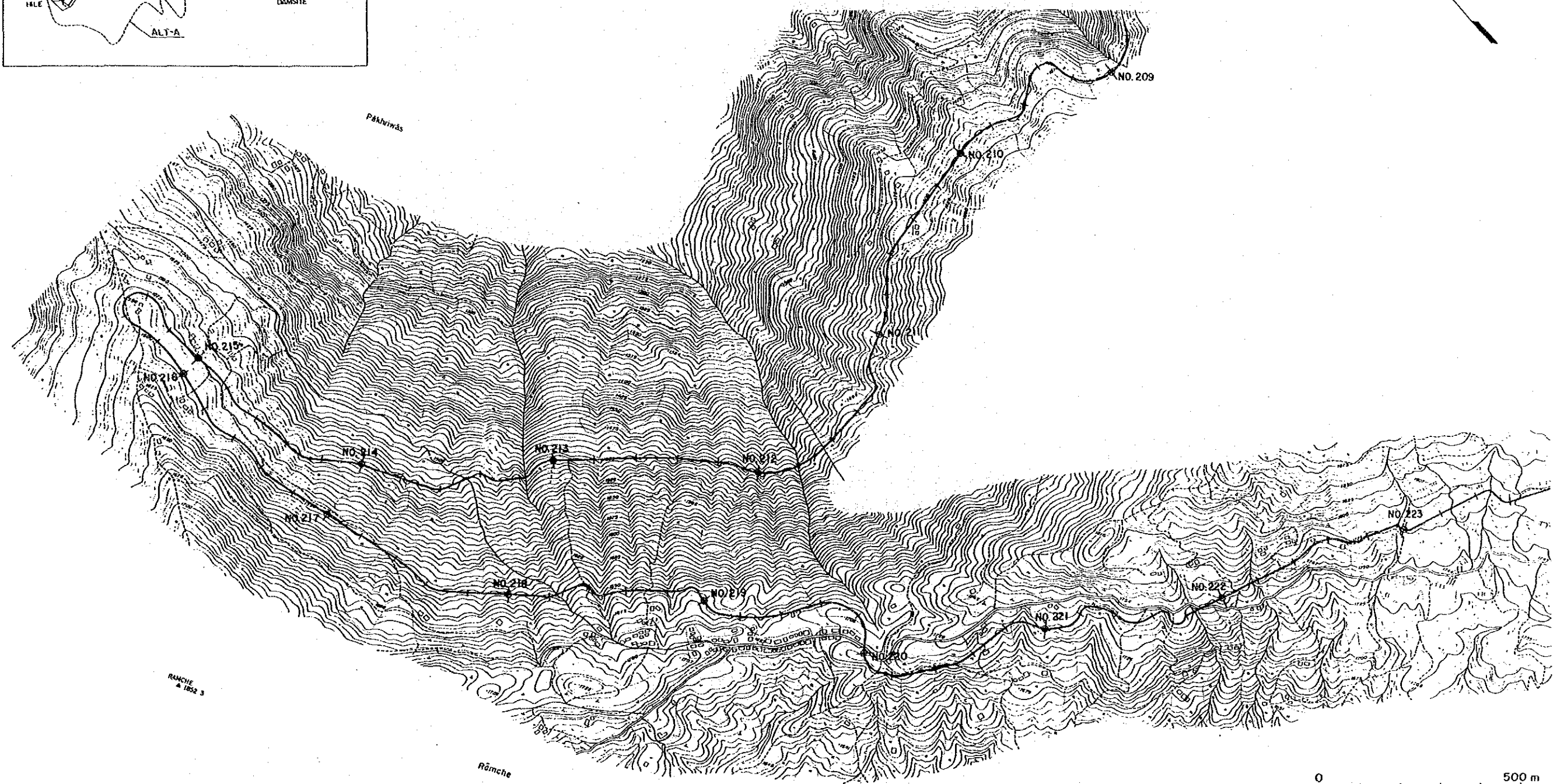
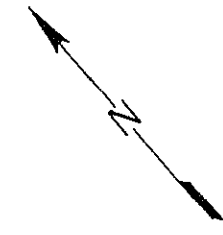
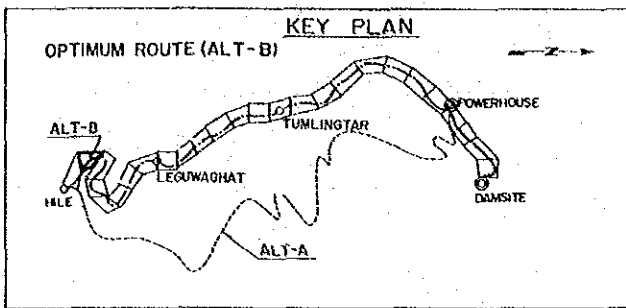
ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN (23 of 26)	
OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 26	DATE JUNE 1987





ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN (24 of 26)	
OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 27	DATE JUNE 1987

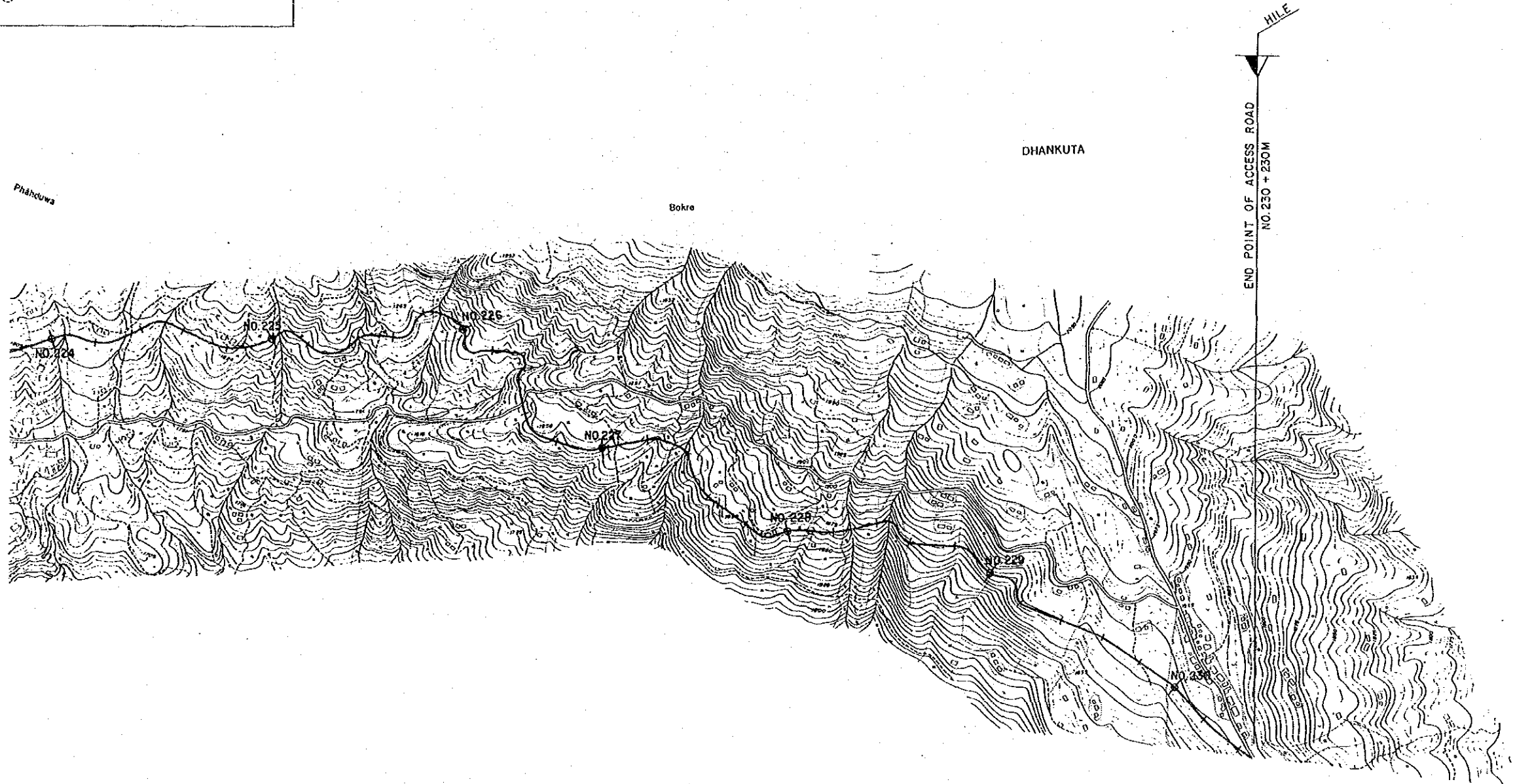
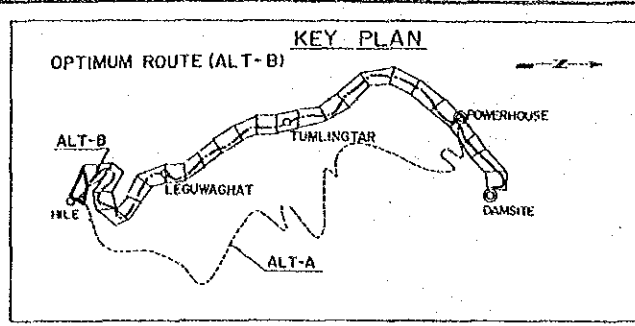




ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN (25 of 26)	
OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 28	DATE JUNE 1987

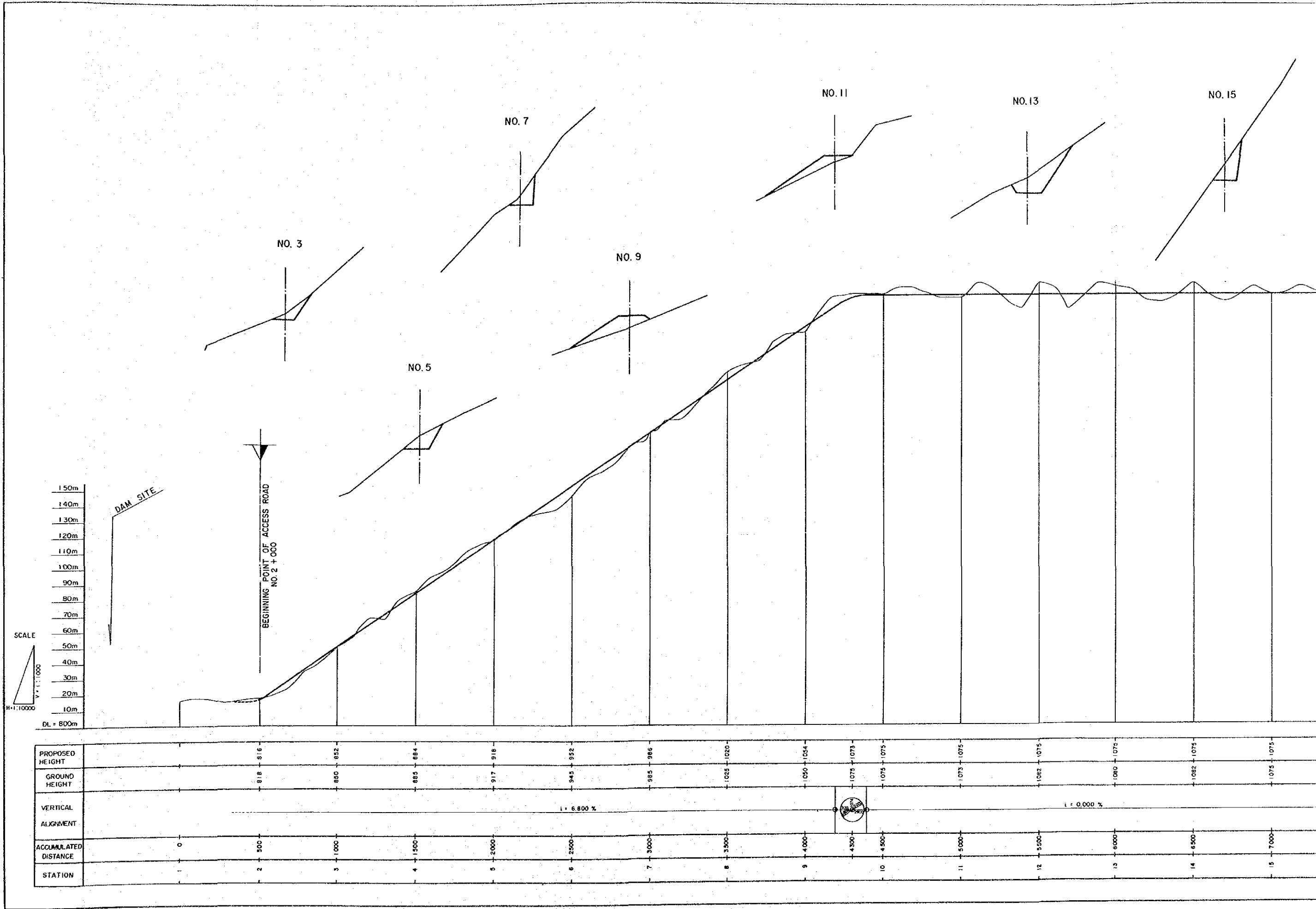


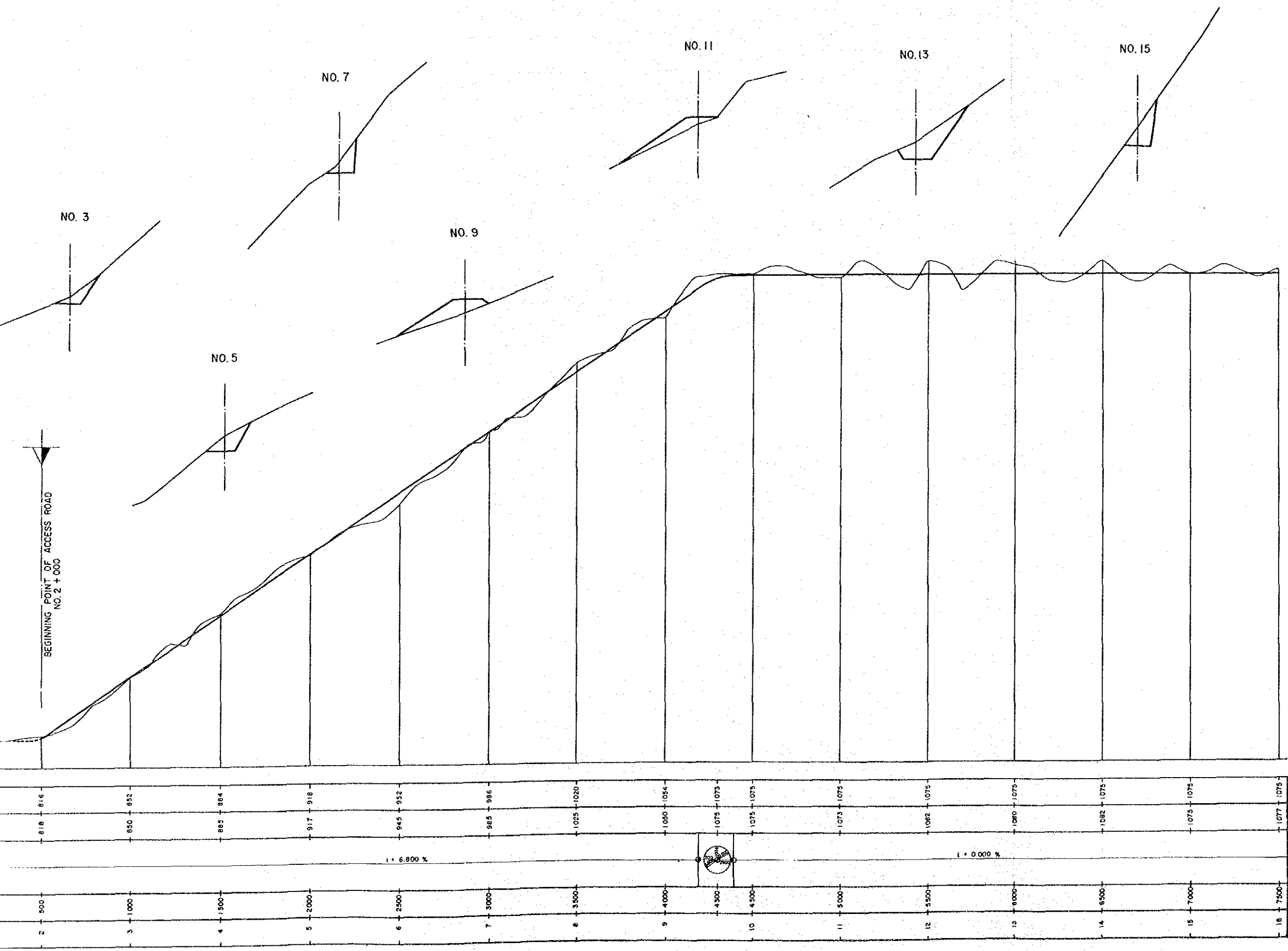




ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD PLAN (26 of 26) OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 29	DATE JUNE 1987



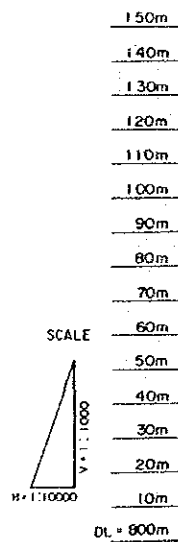
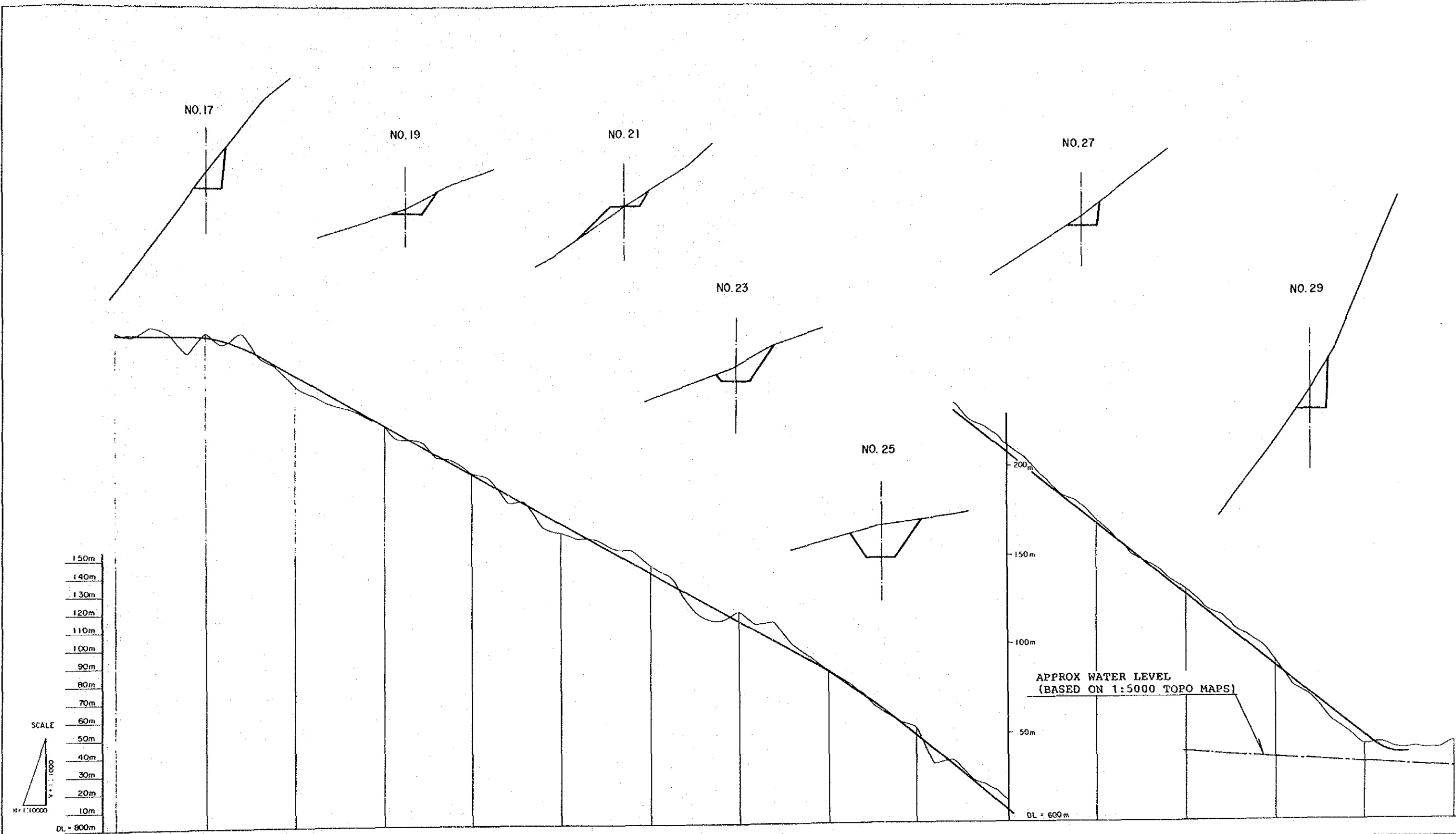




NOTE :  
CROSS SECTION SCALE : 1:500

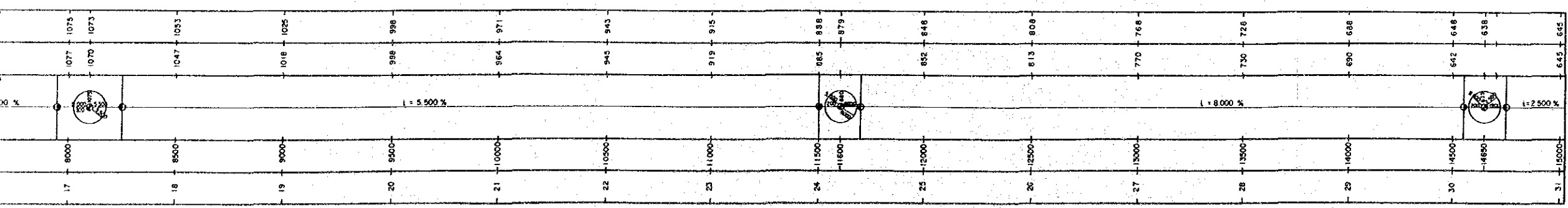
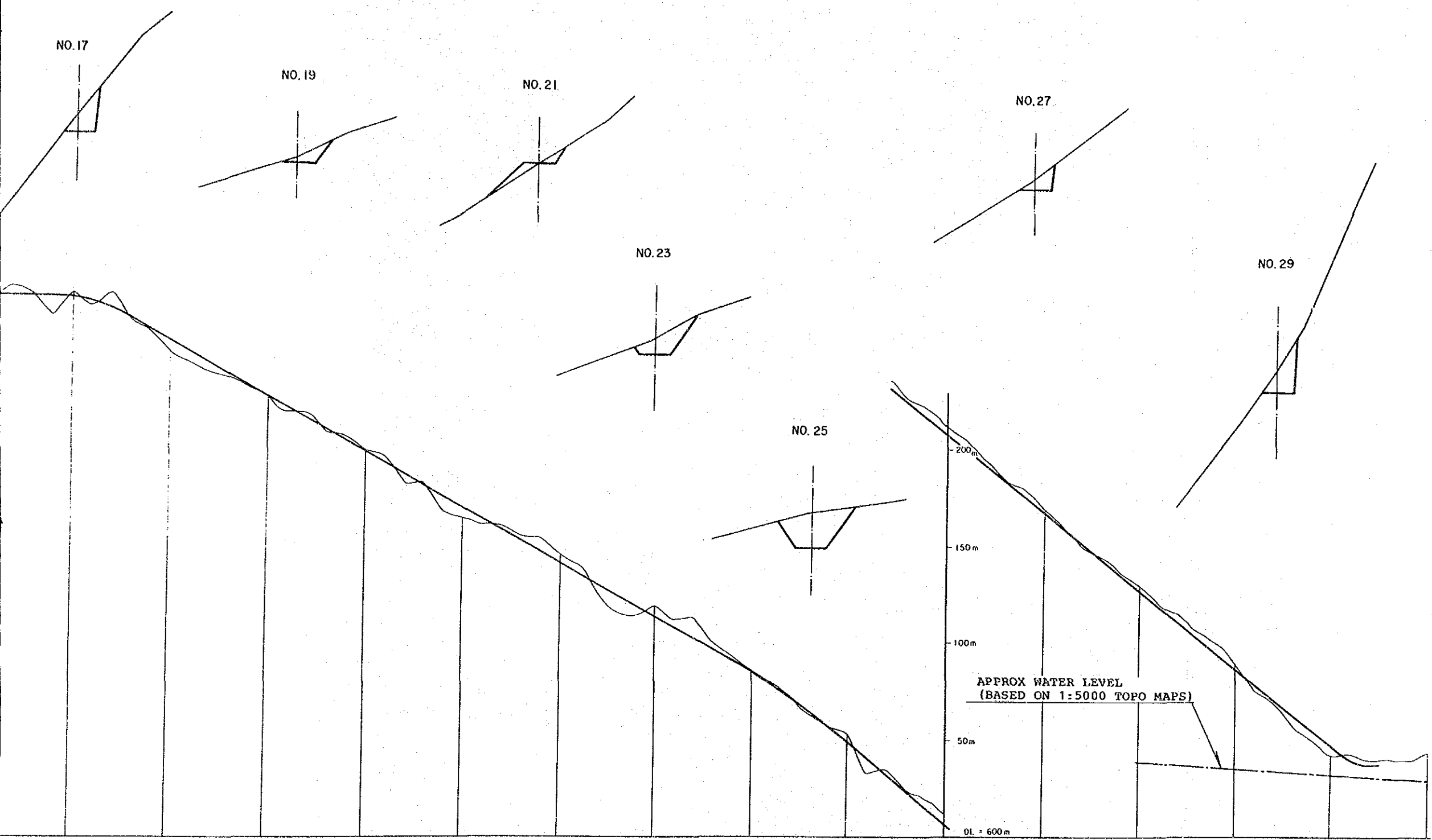
ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD CROSS SECTION AND PROFILE ( 1 of 16 ) No. 2 ~ No. 16 OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 30	DATE JUNE 1987





PROPOSED HEIGHT	1075	1075	1083	1025	998	971	943	915	888	879	848	808	768	728	688	648	645
GROUND HEIGHT	1077	1077	1073	1047	1018	998	964	945	919	885	852	813	770	730	690	662	645
VERTICAL ALIGNMENT	i = 0.000 %		i = 5.500 %							i = 8.000 %				i = 2.500 %			
ACCUMULATED DISTANCE	7500	8000	8500	9000	9500	10000	10500	11000	11500	11600	12000	12500	13000	13500	14000	14500	15000
STATION	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	

NOTE  
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NOTE:  
CROSS SECTION SCALE : 1:500

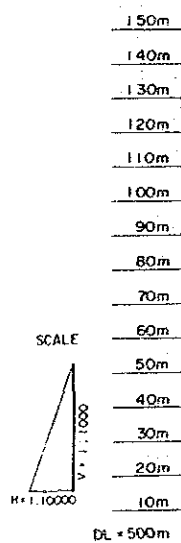
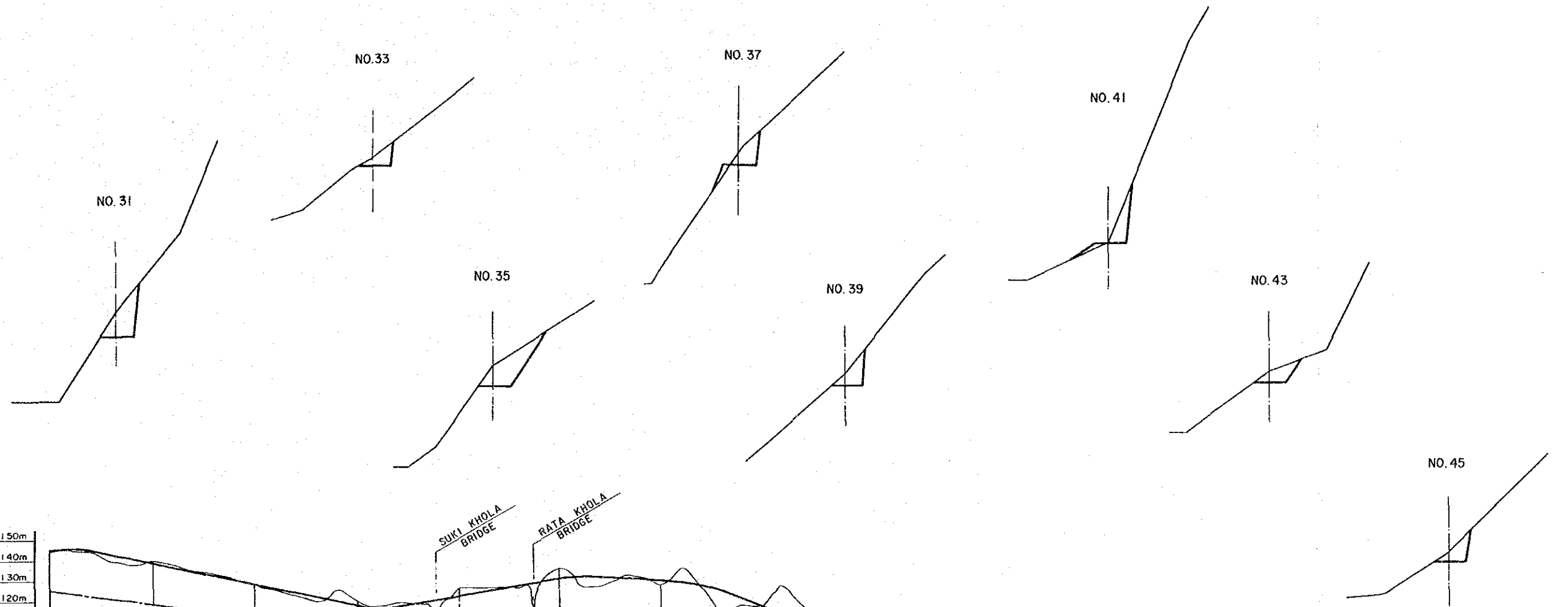
**ARUN 3 HYDRO POWER PROJECT  
FEASIBILITY STUDY**

**ACCESS ROAD  
CROSS SECTION AND PROFILE ( 2 of 6 )  
No. 16 ~ No. 31  
OPTIMUM ROUTE (ALT-B)**

DWG. ACR - 31    DATE JUNE 1987



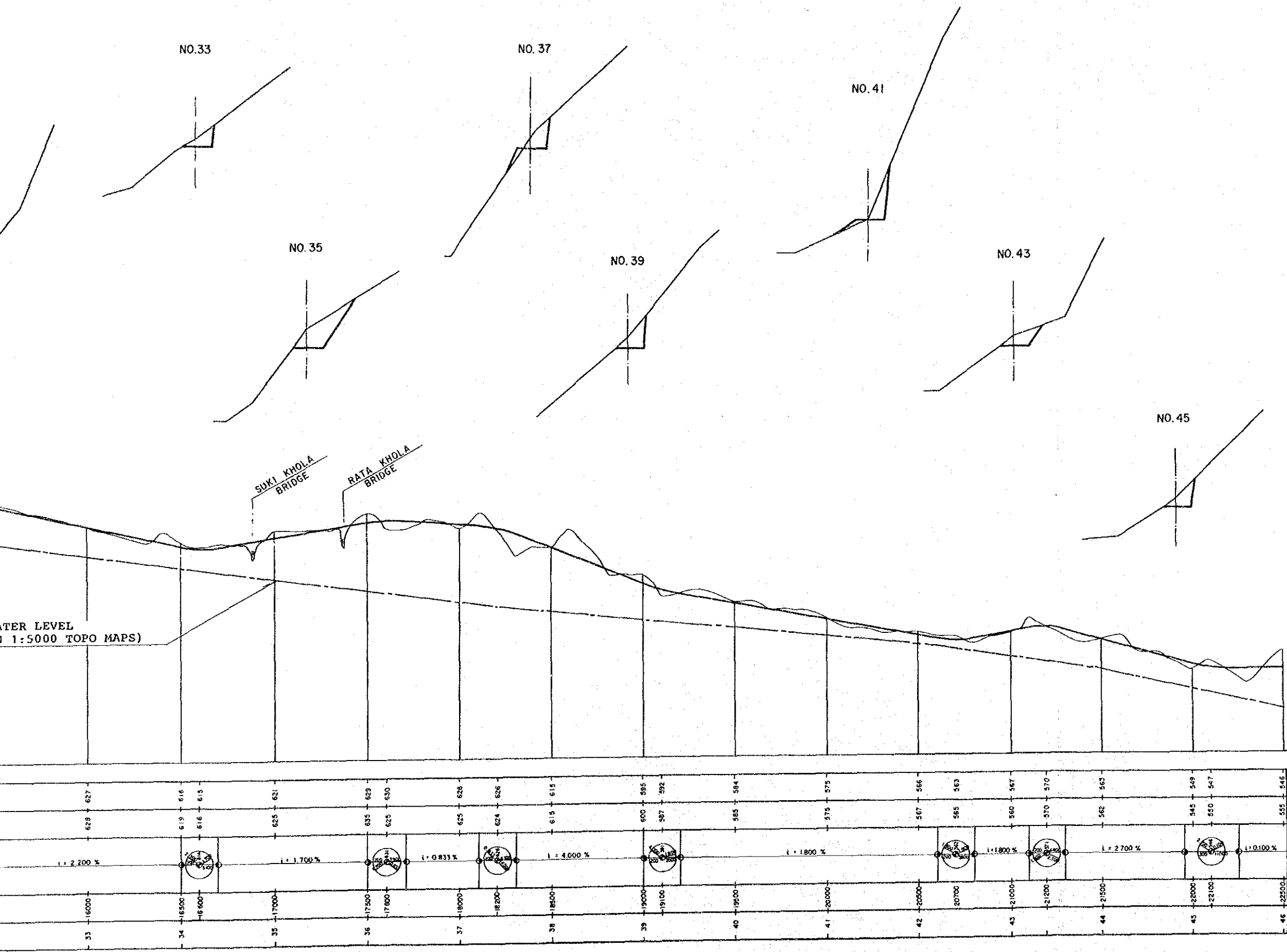




APPROX WATER LEVEL  
(BASED ON 1:5000 TOPO MAPS)

PROPOSED HEIGHT	644	646	638	627	616	615	621	629	630	628	626	615	595	582	584	575	568	563	567	560	567	570	563	549	547	546
GROUND HEIGHT	643	645	640	628	619	616	625	635	625	625	624	615	600	587	585	575	567	565	567	560	570	562	563	545	550	547
VERTICAL ALIGNMENT	i = 2.200%		i = 1.700%		i = 0.833%		i = 4.000%		i = 1.800%		i = 1.800%		i = 2.700%		i = 0.100%											
ACCUMULATED DISTANCE	15000	15100	15500	16000	16500	16800	17000	17500	17800	18000	18200	18500	19000	19100	19500	20000	20500	20700	21000	21200	21500	21800	22000	22100	22500	
STATION	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46										

NOTE:  
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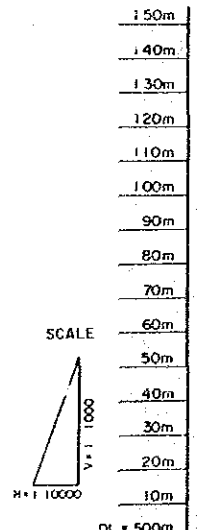
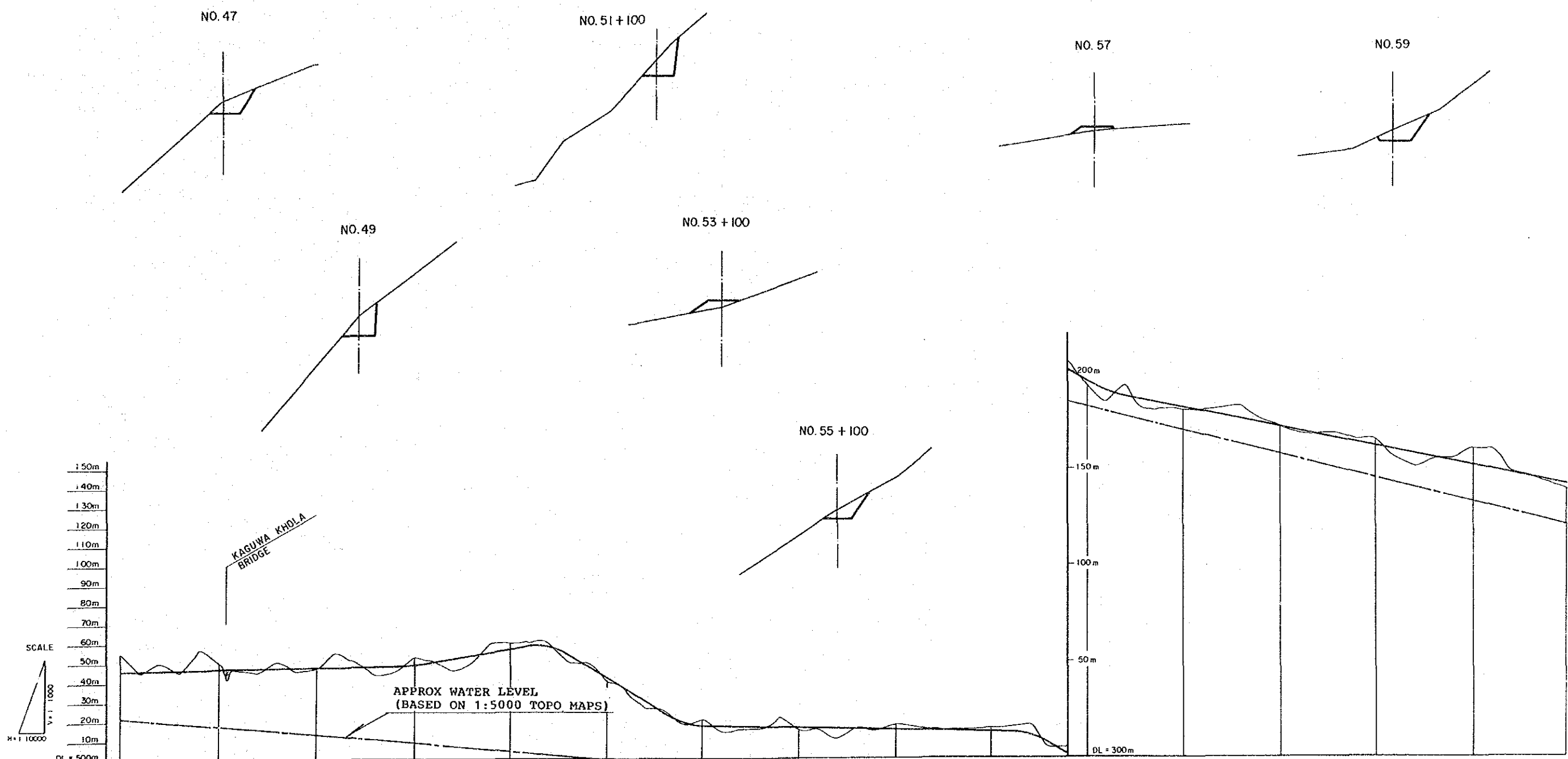
NOTE:  
CROSS SECTION SCALE: 1:500

ARUN 3 HYDRO POWER PROJECT  
FEASIBILITY STUDY

ACCESS ROAD  
CROSS SECTION AND PROFILE (3 of 16)  
No. 31 ~ No. 46  
OPTIMUM ROUTE (ALT-B)

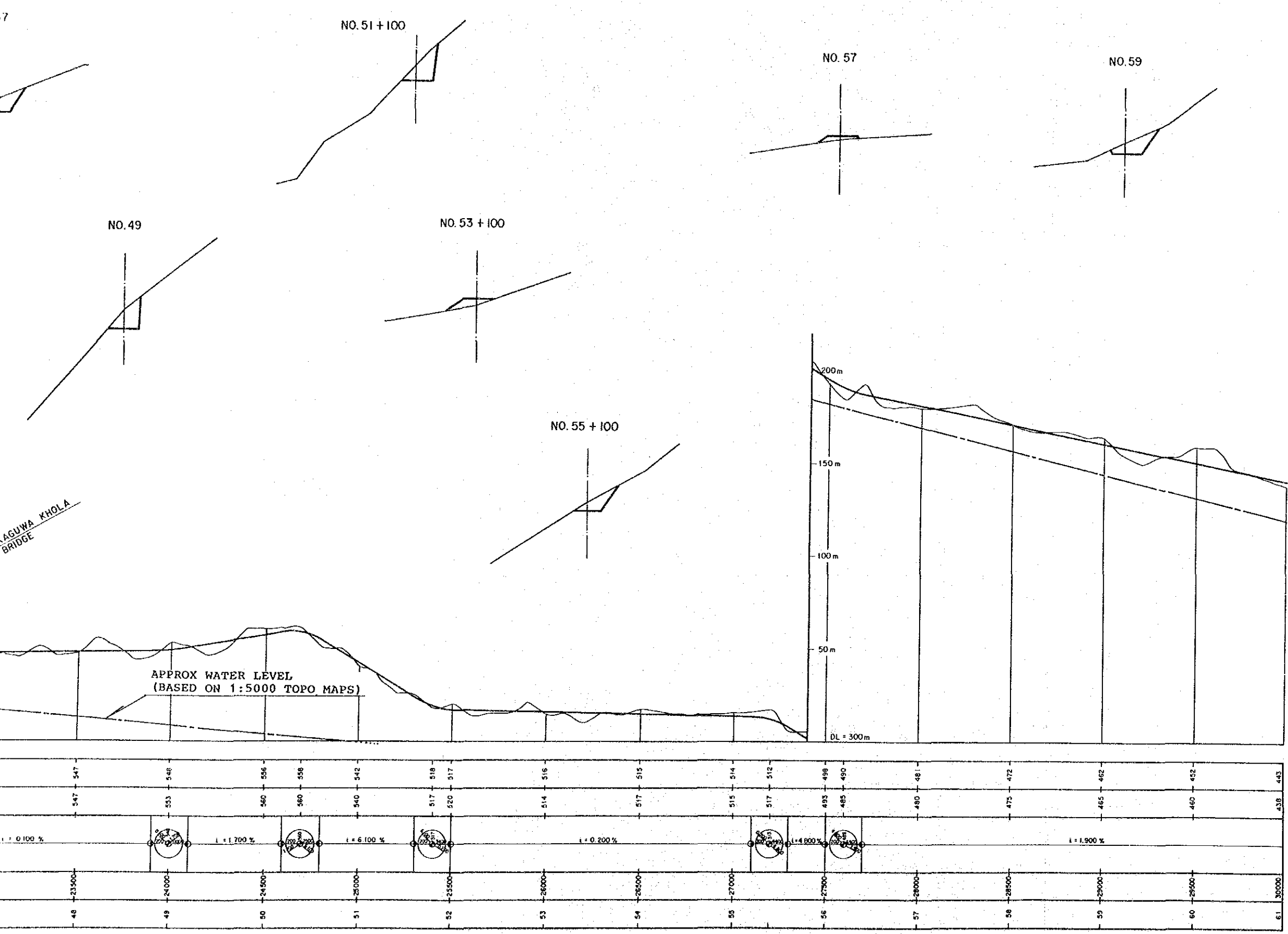
DWG. ACR - 32 | DATE JUNE 1987





STATION	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61
PROPOSED HEIGHT	546	547	547	548	556	558	542	518	517	515	498	481	472	462	452	443
GROUND HEIGHT	555	550	547	553	560	560	540	517	520	514	517	493	475	465	460	438
VERTICAL ALIGNMENT	i = 0.100 %		i = 1.700 %		i = 6.100 %		i = 0.200 %		i = 4.800 %		i = 1.900 %					
ACCUMULATED DISTANCE	22000	23000	23500	24000	24500	25000	25500	26000	26500	27000	27500	28000	28500	29000	29500	30000

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NOTE:  
CROSS SECTION SCALE : 1:500

ARUN 3 HYDRO POWER PROJECT FEASIBILITY STUDY	
ACCESS ROAD CROSS SECTION AND PROFILE ( 4 of 16 ) No. 46 ~ No. 61 OPTIMUM ROUTE (ALT-B)	
DWG. ACR - 33	DATE JUNE 1987

