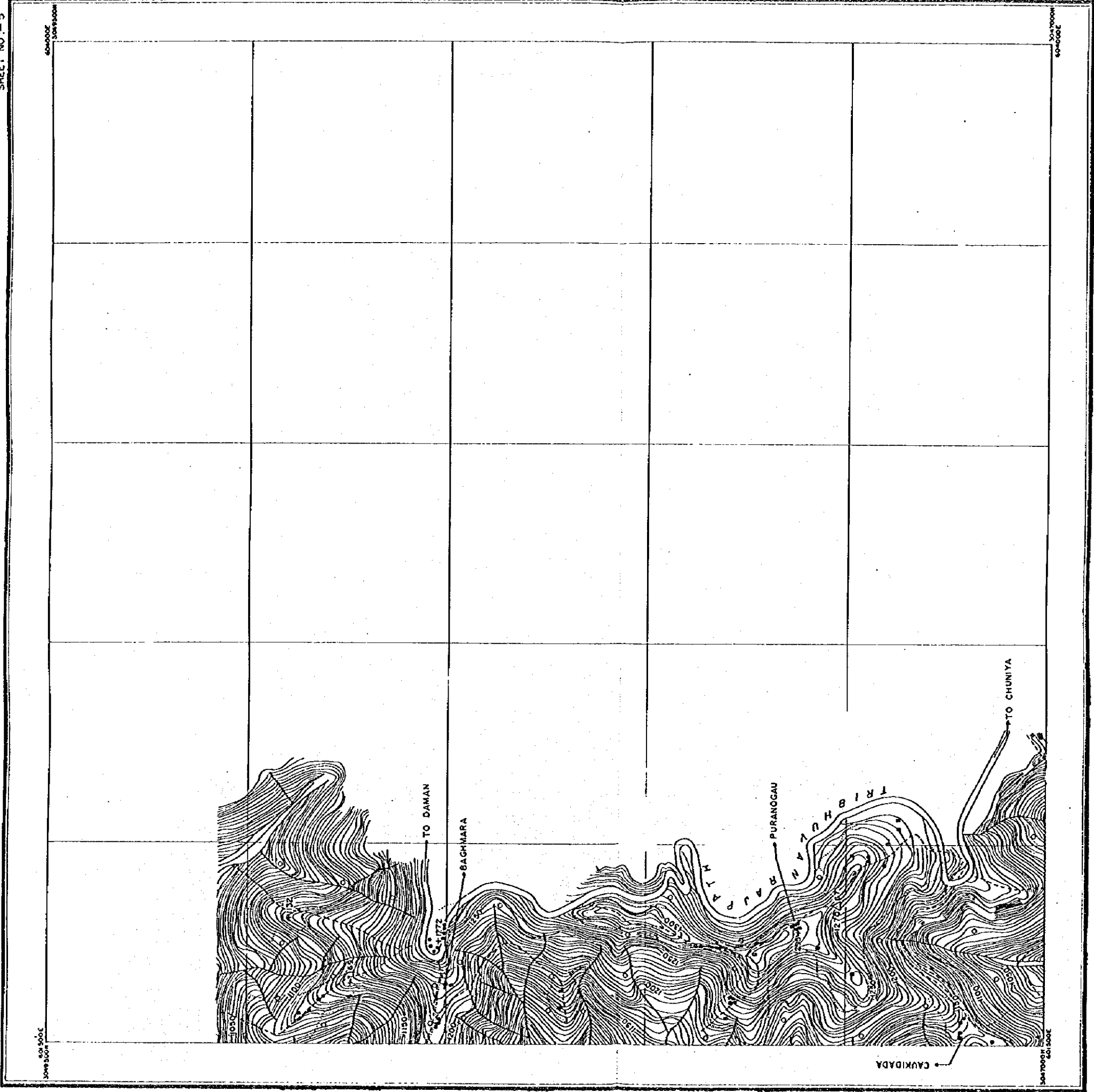


NAMTAR

SCALE:- 1:5000

SHEET NO:- 5



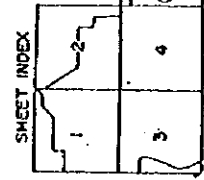
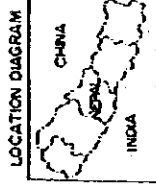
LEGEND

Asphalt road with drainage	Forest area
Town with road bridge	Leak side
Power	Contour
Highway (1st, 2nd, 3rd)	Spot height
Road with stop bank	Bench Mark
Abuse, Ghats	CITY
Gravelled wall	Waterfall
Field, Ricecult	Triangulation Control Post

SCALE 1:5000

METRES 0 100 200 300 400 500 600

CONTOUR INTERVAL 1:5 METRES



PROJECTION AND DATUM

Grid : Mercator (W. Zone 44S)
 X Origin : 107° 10.000 (Longitude)
 Y Origin : 18° 41' 00.000 (Latitude)
 Vertical datum : Indian Mean Sea Level

JICA / HMG

PROJECT
DISASTER PREVENTION PROJECT

CONSULTANT
AUTO CARTO CONSULT

DISTRICT
MADHUPUR

VDC
NAMTAR

TOPOGRAPHICAL MAP
SCALE: 1:5000

SURVEY CHECKED BY:-

PLUTING CHECKED BY:-

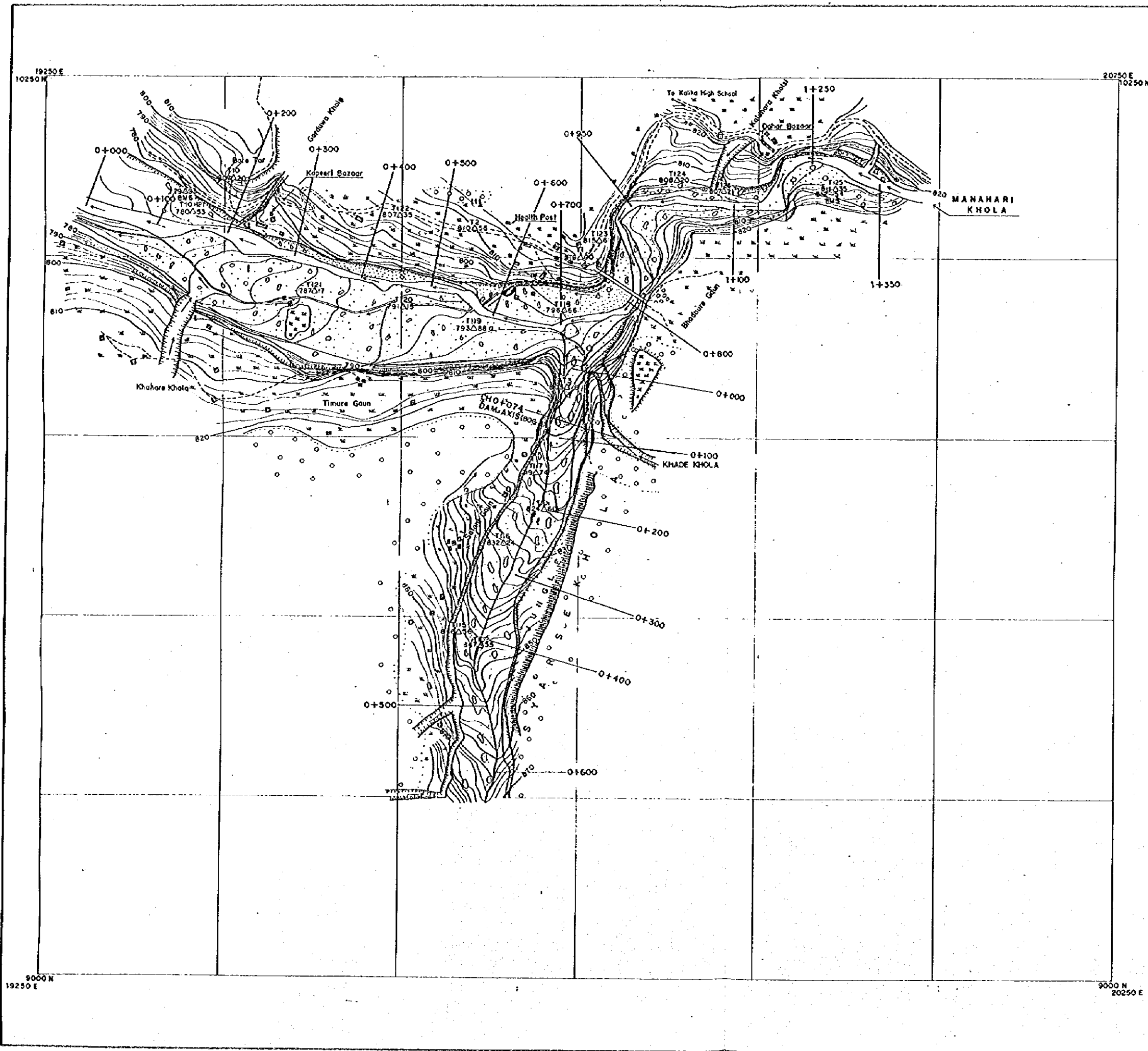
MAP COMPLETED ON:-

SURVEY CHECKED BY:-

PLUTING CHECKED BY:-

MAP COMPLETED ON:-

9-46-2

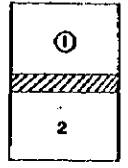


NAMTAR

SCALE 1:2500



INDEX



LEGEND

Motorable road with bridge		Forest Area	
Materialled road with bridge		Land Slide	
Trek with foot bridge		Contour	
Suspension bridge		Spot height	
Tree		Bench Mark	
River with steep banks		Chf.	
Khola, Khola		Water mark	
Rocky, Boulder		House, Temple	
Cultivation		Tap	
Trigonometrical Control Point		Electrical Poles, Water Pipe Line	

PROJECTION & DATUM

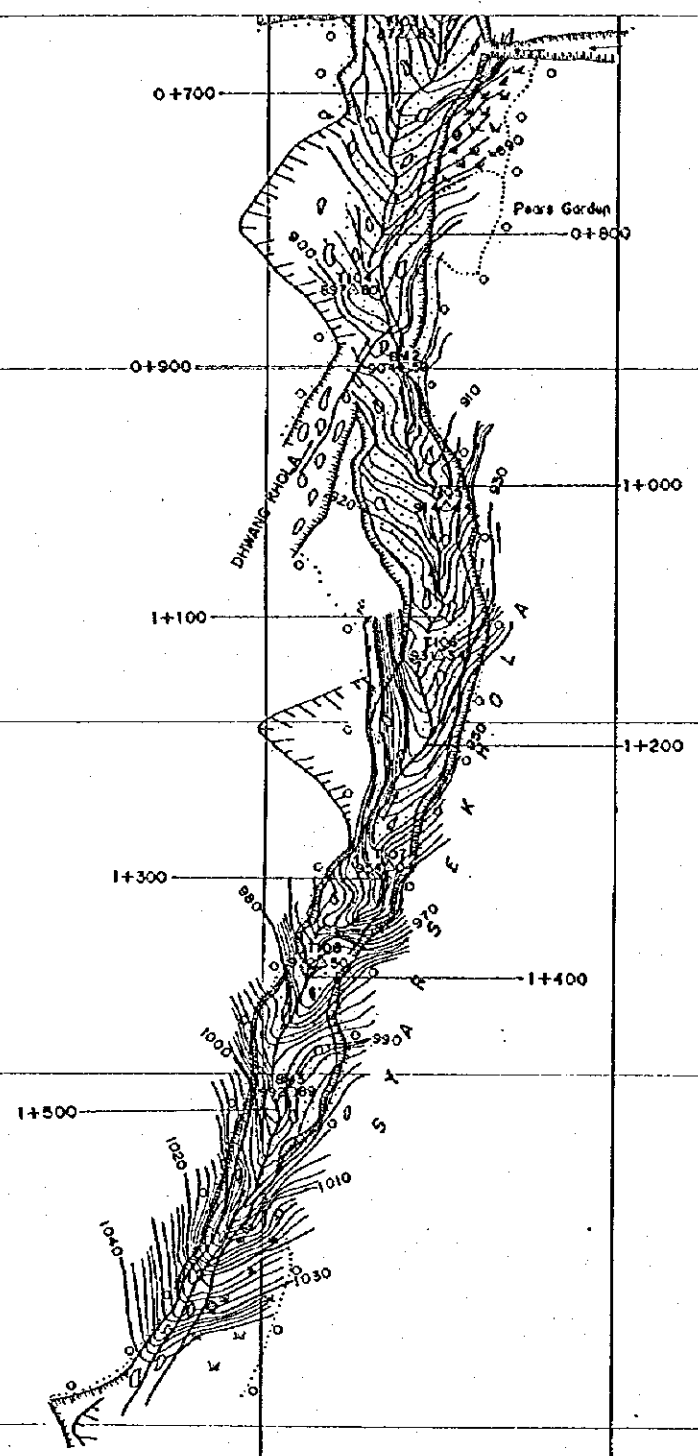
Grid : Modified UTM Zone 49S
 X-Origin : 0°E 10 000 000 meters
 Y-Origin : 84°E 1000000 000 meters
 Vertical Datum : National Height Datum

PROJECT
 DISASTER PREVENTION PROJECT
 CONSULTANT
 AUTO CARTO CONSULT
 MANAHARI KHOLA & SYARSE KHOLA

DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:-	
TOPOGRAPHICAL MAP	SCALE:- 1:2500	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-	SHEET NO:- 1	DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			

19250 E
9250 N

20750 E
9250 N

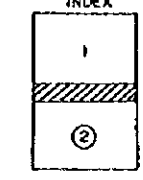


NAMTAR

SCALE 1:2500



INDEX



LEGEND

Motors road with bridge	Forest Area
Motors road with bridge	Land Slide
Track with foot bridge	Contour
Suspension bridge	Spot height
Isolated tree	Bench Mark
River with steep banks	Cliff
Khola, Khola	Water mill
Cultivated Land	House, Temple
Rocks, Boulders	Top
Trigonometrical Control Point	Electric Pole

PROJECTION & DATUM

Grid Modified UTM Zone 48 S
 X-Origin 20°N (0 000 metres)
 Y-Origin 84°E (500000 000 metres)
 Vertical Datum Nepal Height Datum

JICA / HMG

PROJECT
DISASTER PREVENTION PROJECT

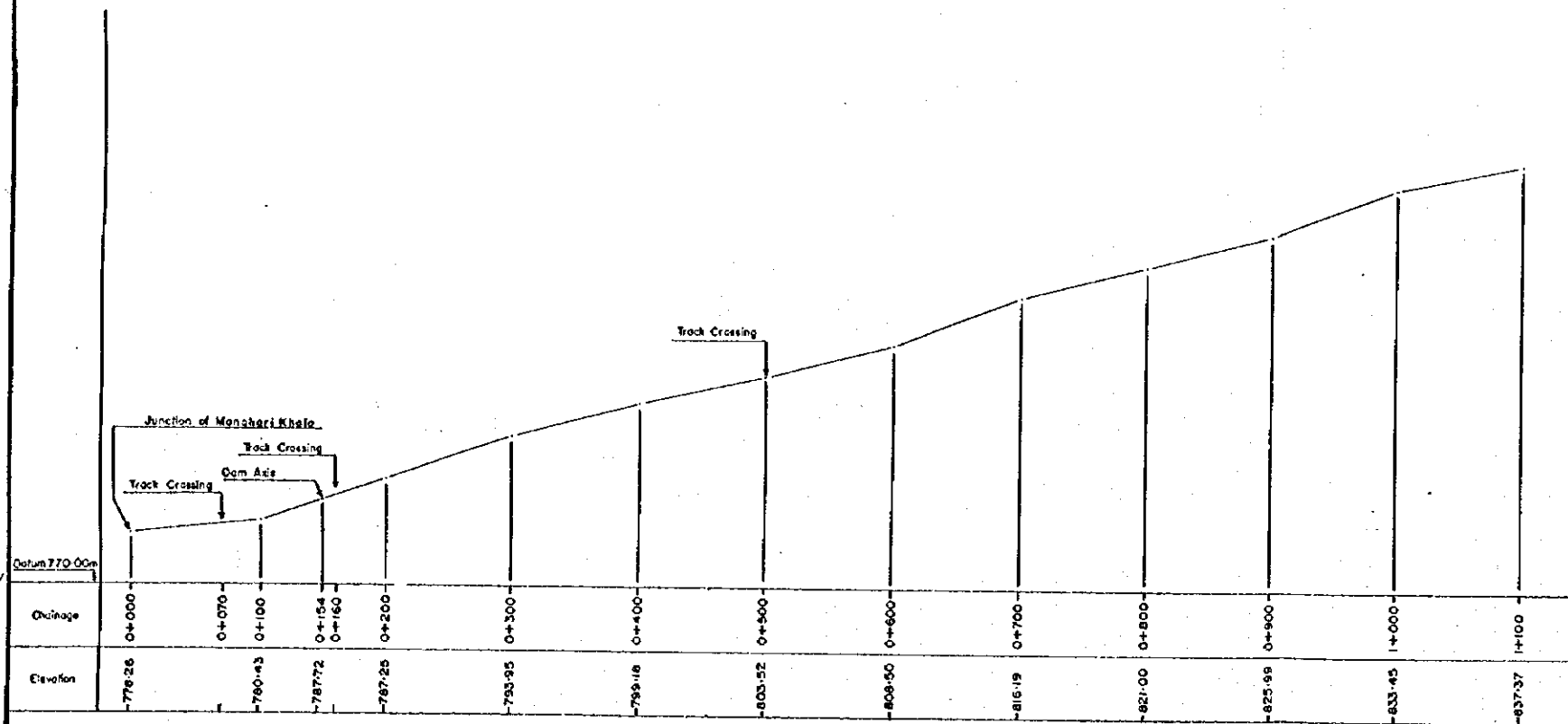
CONSULTANT
AUTO CARTO CONSULT

SYARSE KHOLA

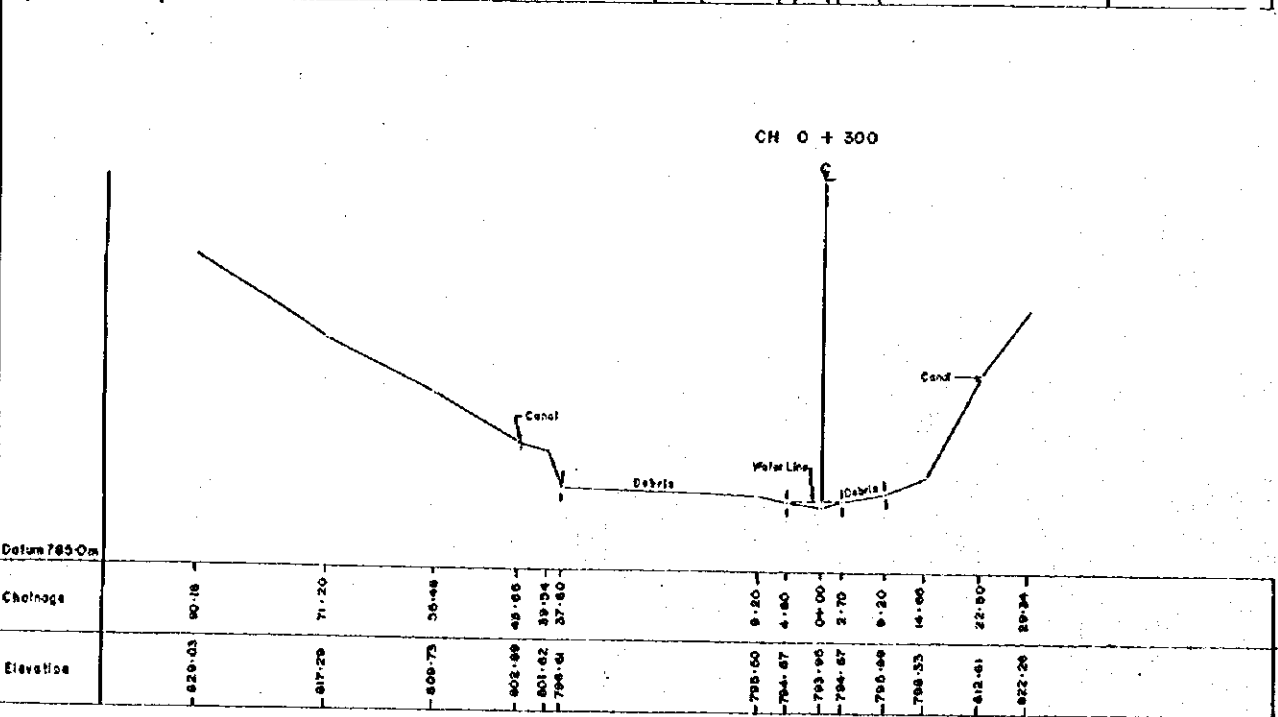
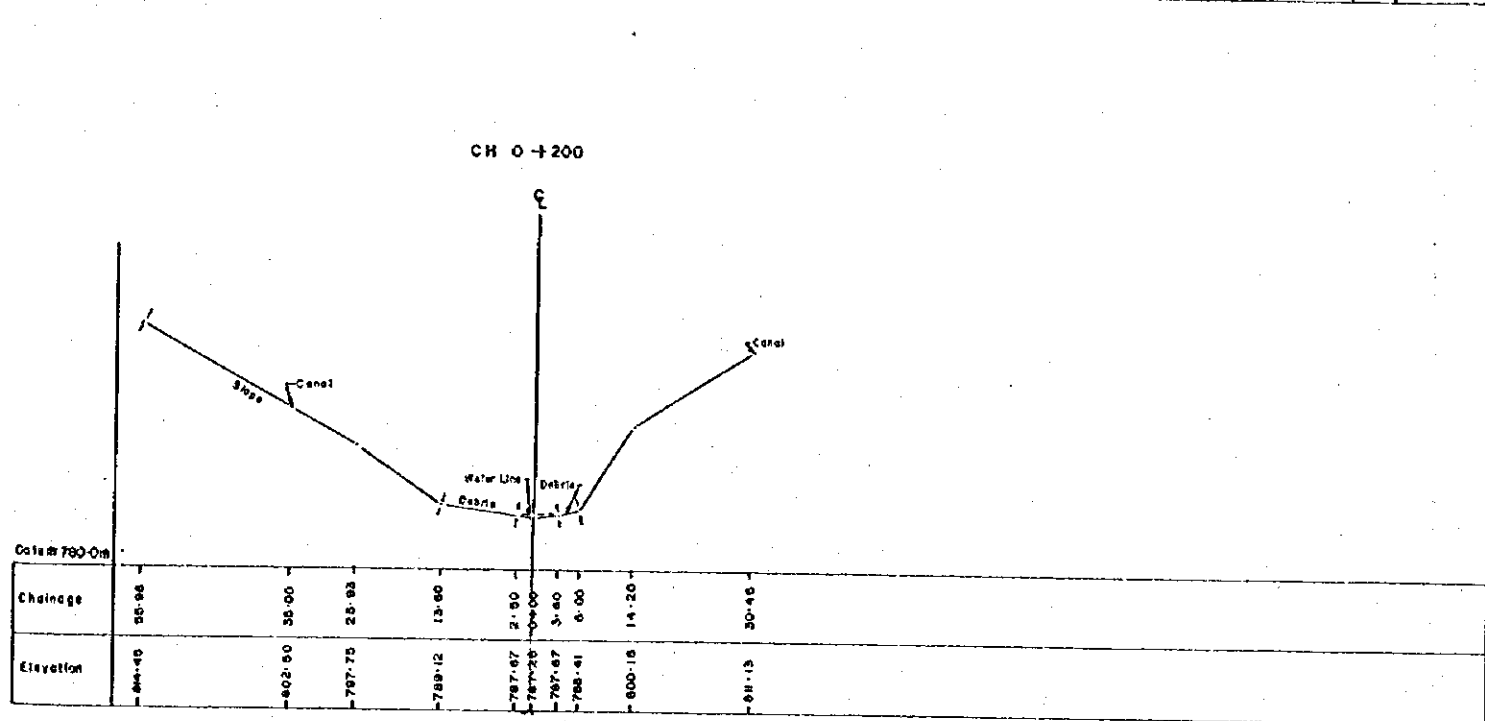
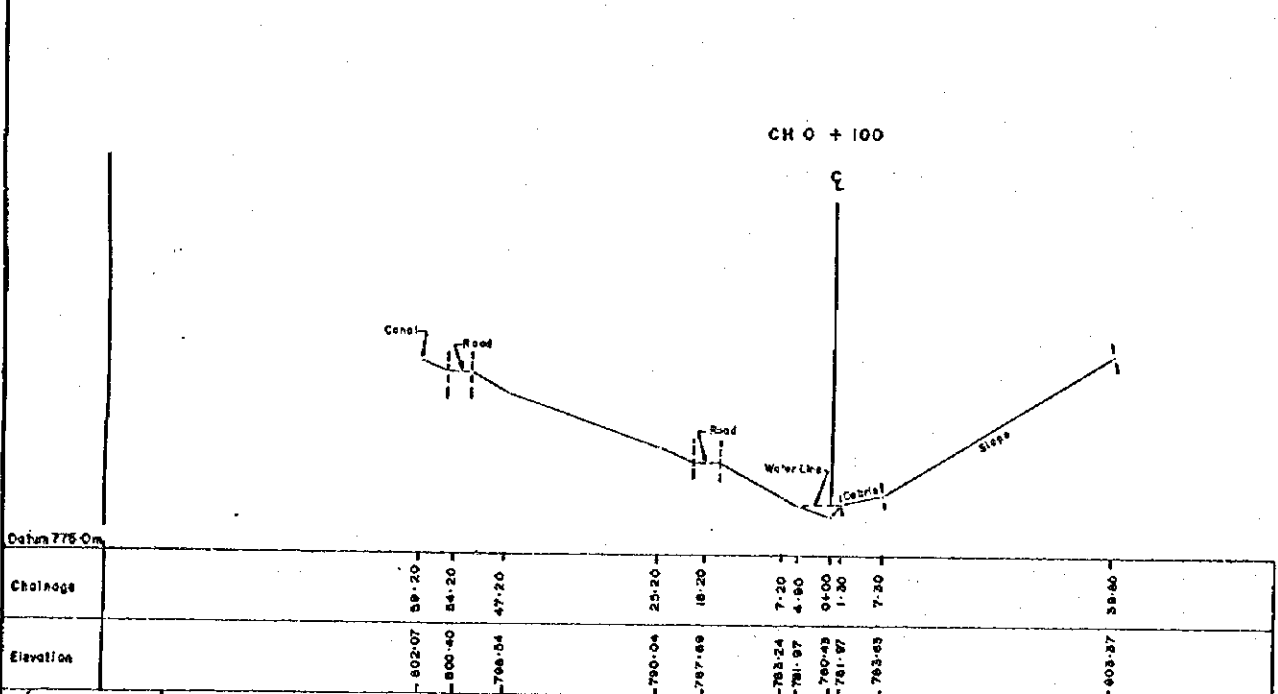
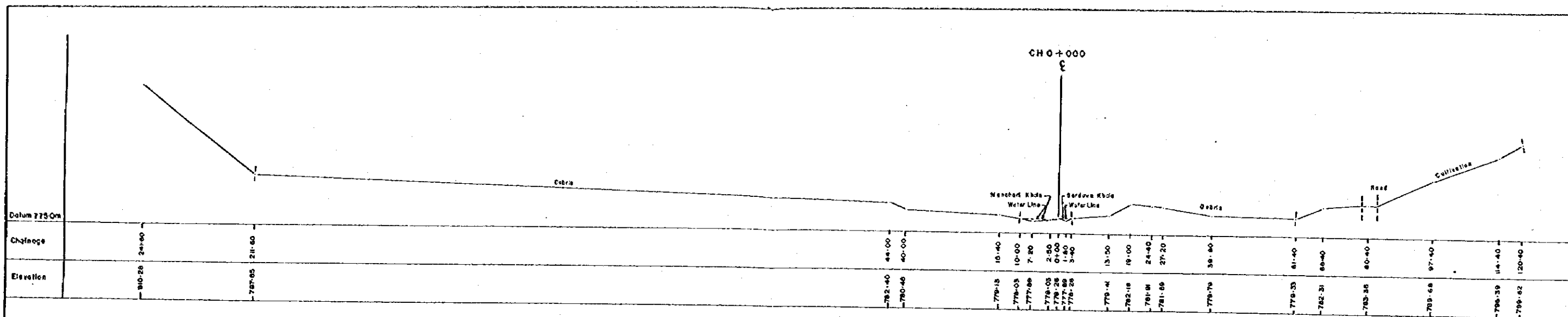
8000 E
9250 E

8000 E
9250 E

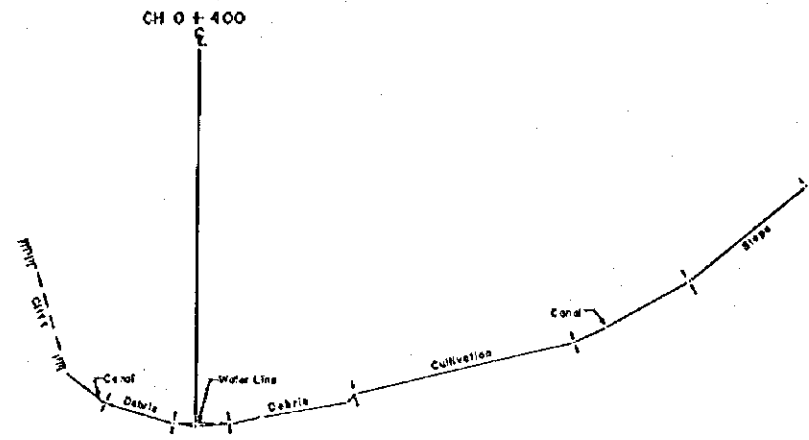
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:-	
TOPOGRAPHICAL MAP	SCALE:-1:2500	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-	SHEET NO:-2	DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			



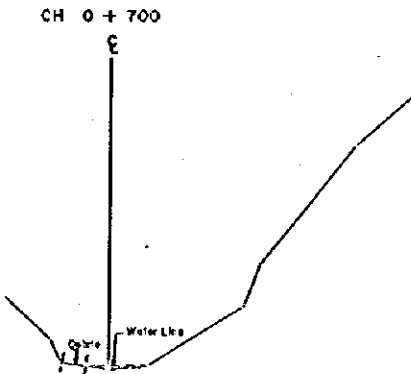
JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
GORUWA KHOLA (1/1) CH 0+000 TO CH 1+100			
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:-	
L-SECTION	H:-1:2500 V:-1:500	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			



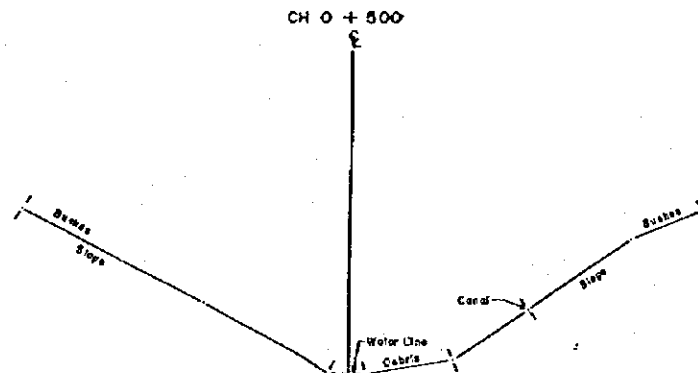
JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
GOROUWA KHOLA(1/3) CH 0 + 000 TO CH 0 + 300			
DISTRICT MAKAWANPUR	VDC NANTAR	SURVEY CHECKED BY:-	
X-SECTION	HE-1500 VE-1500	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			



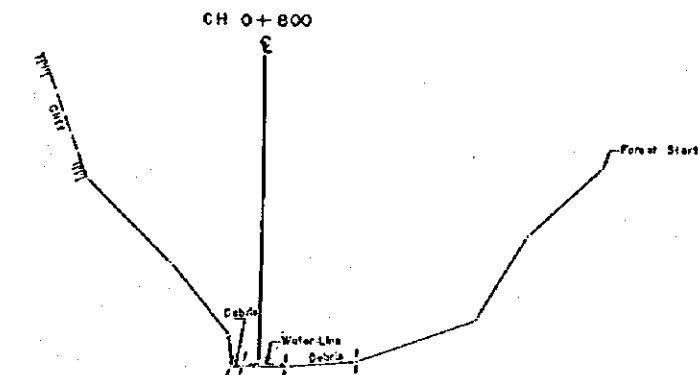
Chainage	18.50	14.00	13.00	5.00	0+00	5.00	0+90	21.50	22.22	33.84	38.50	69.73	88.20
Elevation	808.42	805.92	802.27	798.35	799.18	799.35	800.48	802.88	803.94	811.27	813.42	820.13	833.39



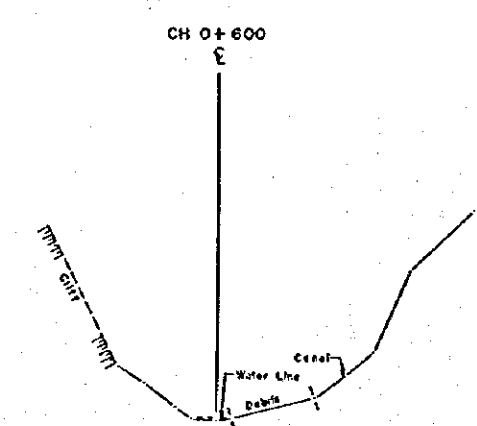
Chainage	14.62	5.00	6.80	3.20	0+00	5.40	10.83	21.08	34.03	43.40
Elevation	826.38	820.14	818.98	818.56	818.19	818.05	825.32	831.25	848.15	855.02



Chainage	47.00	21.00	7.00	3.20	0+00	2.80	14.50	28.00	40.00	50.00
Elevation	827.31	814.36	806.83	803.95	803.52	803.95	808.10	813.35	823.44	827.81

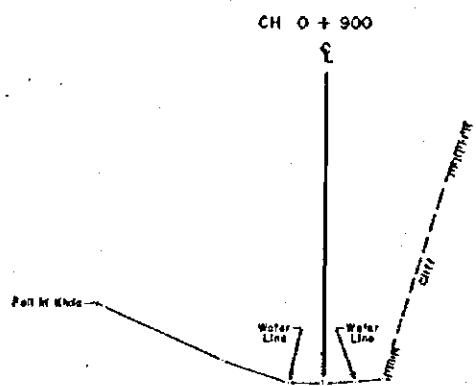


Chainage	25.00	13.23	8.70	3.60	2.40	0+00	4.00	14.00	30.70	38.03	48.44
Elevation	847.36	839.83	828.53	821.00	821.16	821.00	821.15	821.75	827.55	839.62	849.21

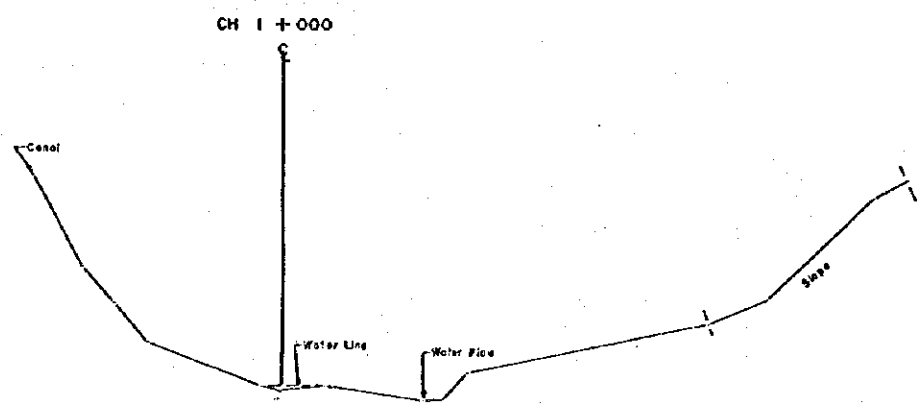


Chainage	14.00	10.80	6.00	3.00	0+00	2.00	14.00	18.00	22.00	27.50	38.43
Elevation	815.85	813.80	811.43	808.53	808.90	808.53	811.87	814.27	817.88	829.43	838.03

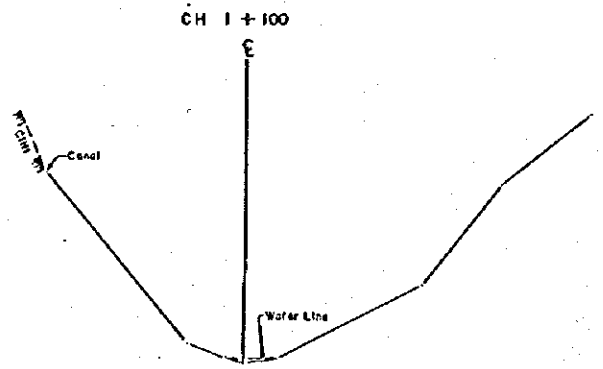
JICA / HMG		
PROJECT DISASTER PREVENTION PROJECT		
CONSULTANT AUTO CARTO CONSULT		
GORDWA KHOLA (2/3) CH 0+400 TO CH 0+800		
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:
X - SECTION	H:- 1:500 V:- 1:500	PLOTTING CHECKED BY:
SURVEY COMMENCED ON:		DRAWING CHECKED BY:
MAP COMPLETED ON:		



Datum 820.0m						
Chainage	0+027	0+090.00	0+000	0+000	0+000.00	0+008
Elevation	837.28	828.44	828.08	828.98	828.08	828.92

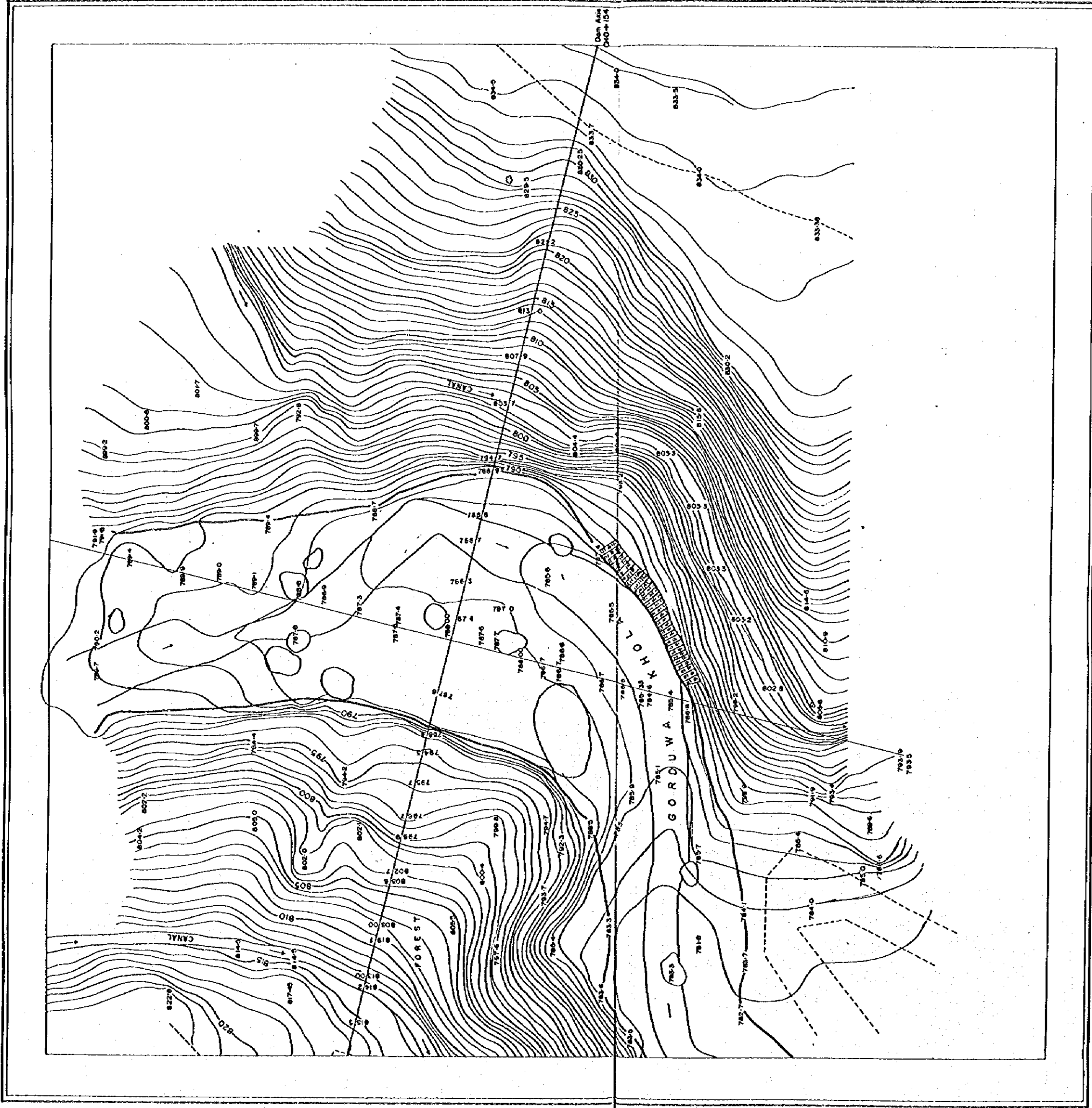


Datum 825.0m														
Chainage	0+028.50	0+028.75	0+028.15	0+019	0+002.40	0+000	0+000.00	0+020.04	0+023	0+028.50	0+083.34	0+088.40	0+088.87	0+089.85
Elevation	837.70	850.83	845.81	840.15	834.13	833.45	834.14	832.02	832.32	835.08	843.32	848.70	861.24	862.83



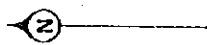
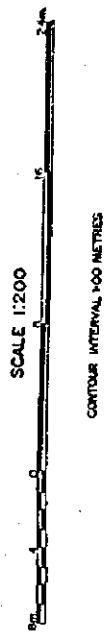
Datum 830.0m								
Chainage	28.56	8.00	21.50	0+00	4.50	20.26	30.33	40.01
Elevation	864.35	858.83	837.55	837.37	837.59	848.44	852.73	872.82

JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSTANT AUTO CARTO CONSULT			
GORDUWA KHOLA(3/3) CH 0+900 TO CH 1+100			
DISTRICT MAKAWANPUR	YOC NAHAR	SURVEY CHECKED BY	
X-SECTION	H- 1:500 V- 1:500	PLOTTING CHECKED BY	
SURVEY COMMENCED ON		DRAWING CHECKED BY	
MAP COMPLETED ON			



LEGEND

Banker	.....
Landslide, Collg.	.....
Cliff	.....
Fall	.....
River	.....
Contours	.....
Spot Height	.....
Tree, Bamboo	.....
Water pipe line	.....
Cultivation limit	.....
Roads, Bridges	.....
Track	.....
Temple	.....
Water Mill	.....
Houses, Temporary Mt.	.....

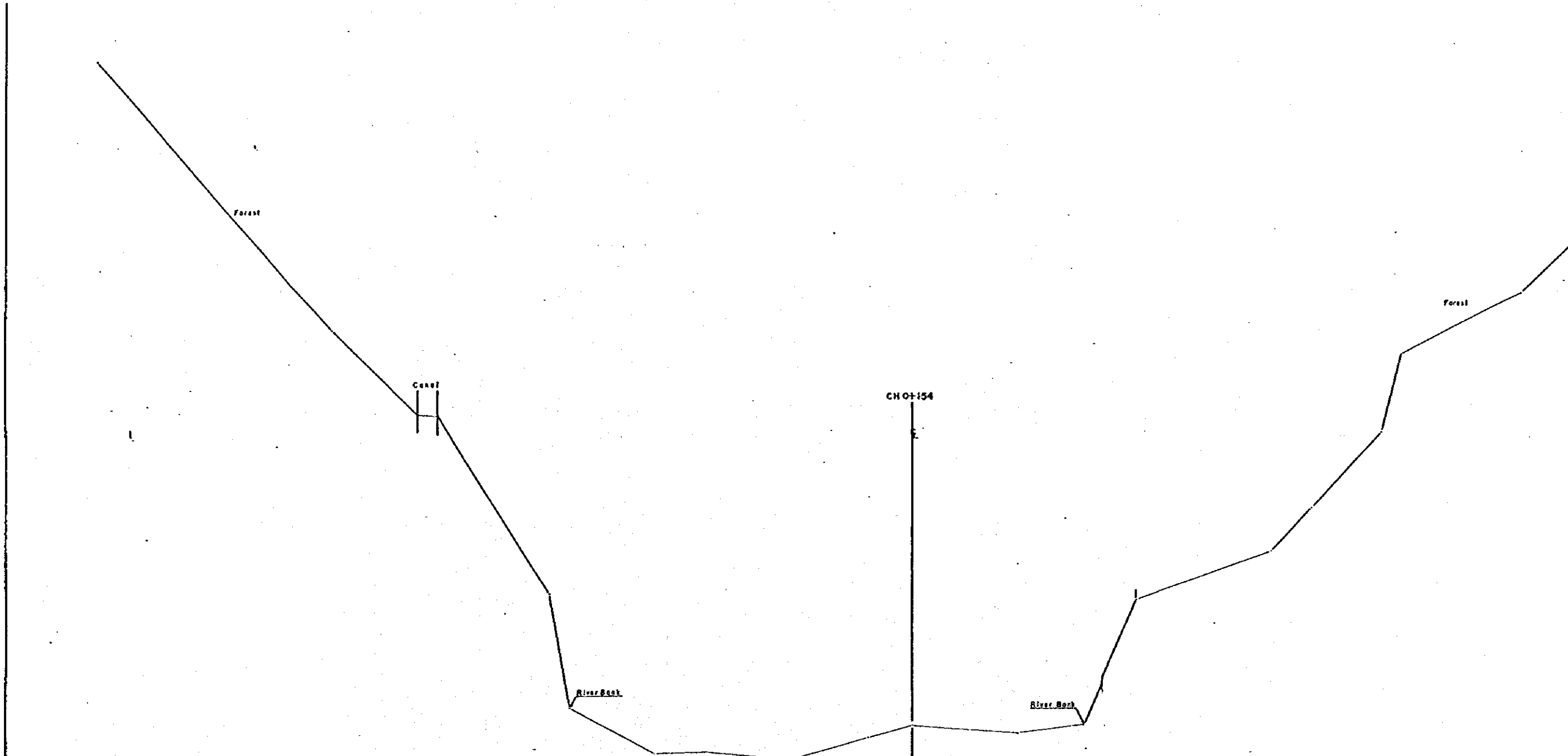


JICA / HMG		
PROJECT	DISASTER PREVENTION PROJECT	
CONSULTANT	AUTO CARTO CONSULT	
Detail Topographic Map of Gorduwa Khole		
DISTRICT	VOC	SURVEY CHECKED BY:
MAKAWANPUR	NAMTAR	
PLAN	SCALE	PLOTTING CHECKED BY:
	1:200	
SURVEY COMMENCED ON:		DRAWING CHECKED BY:
MAP COMPLETED ON:		

CHANGES

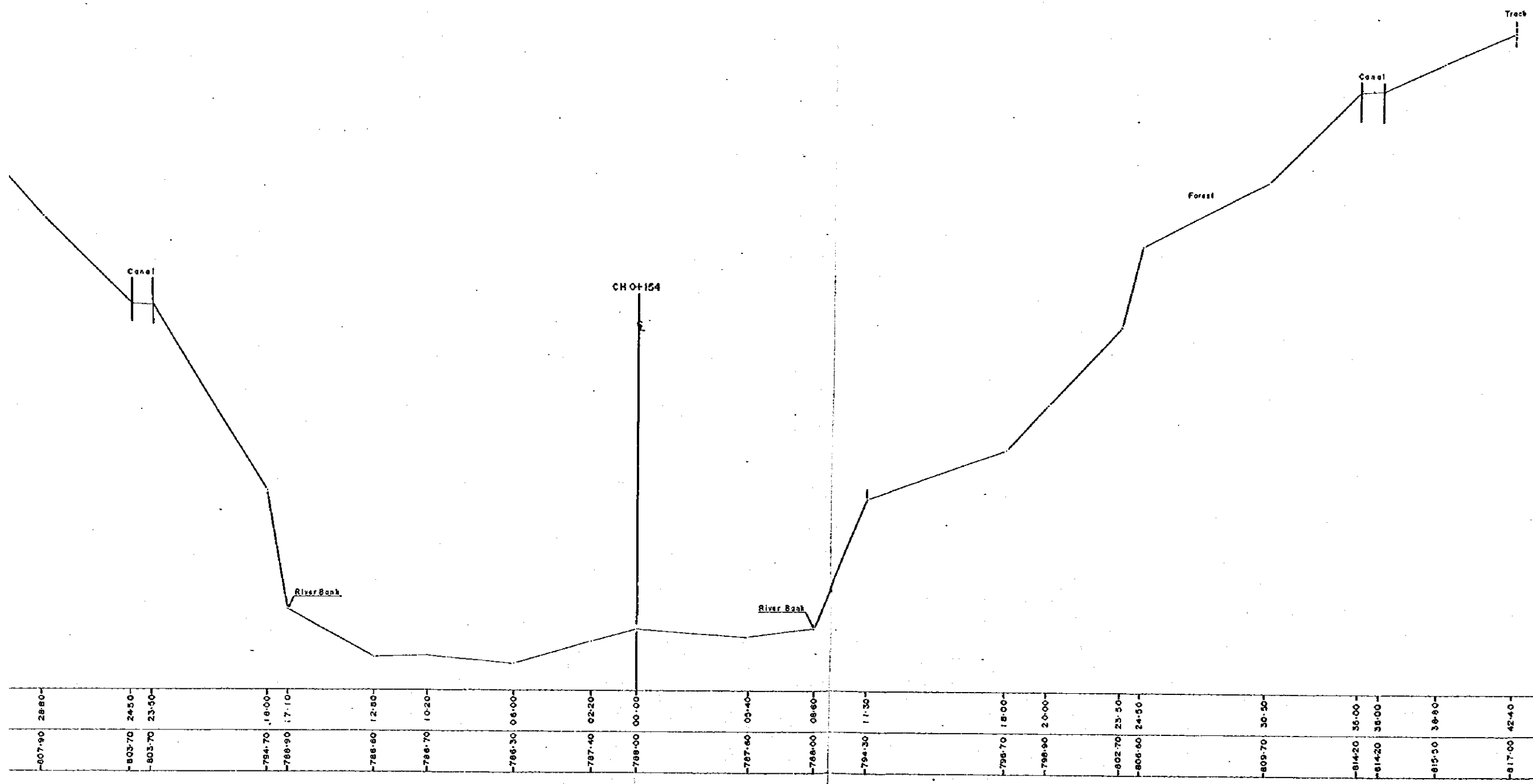
CHANGES

CHANGES



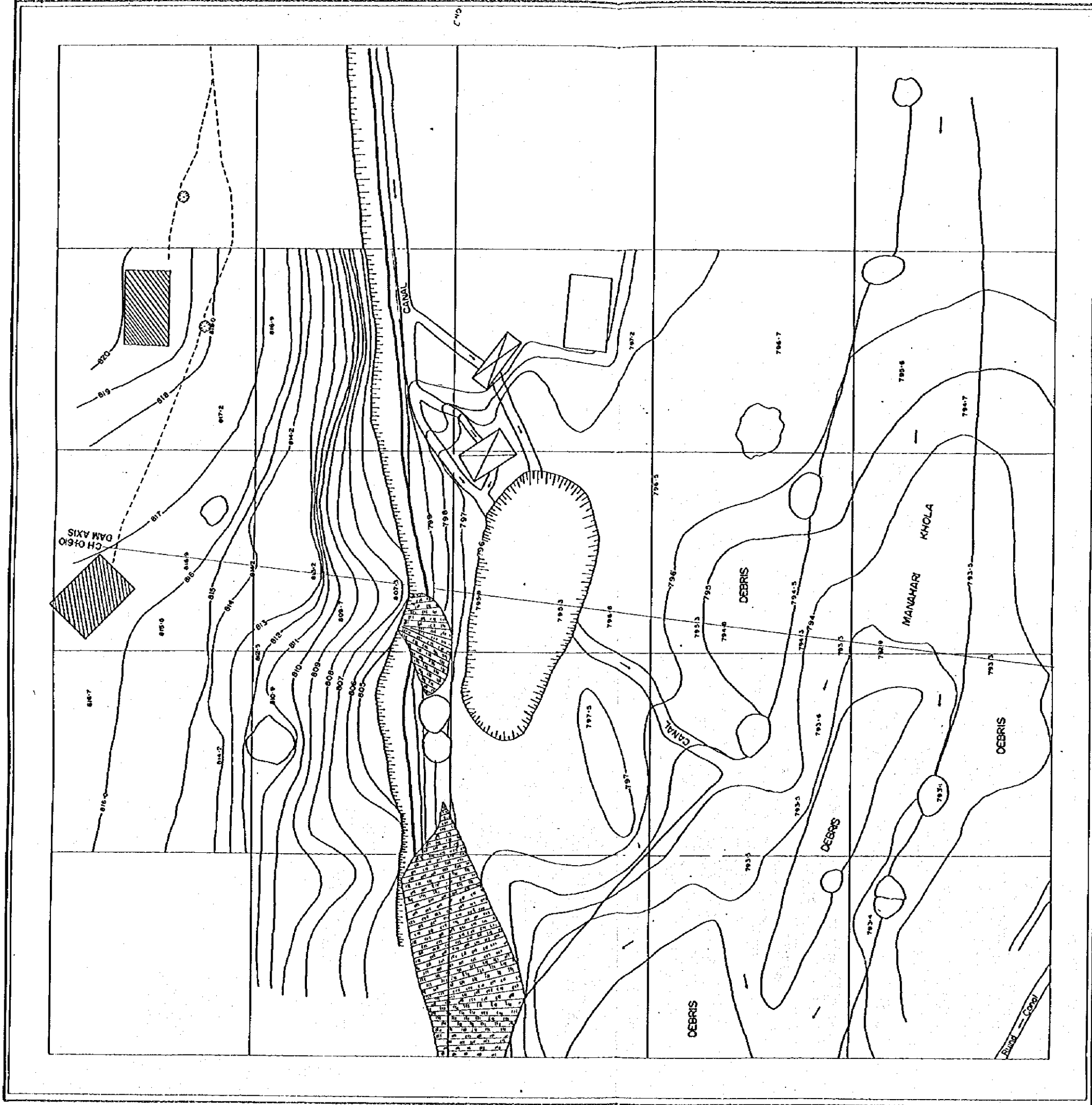
Station 7850.0

Change	40.50	26.60	24.60	23.60	19.00	17.10	12.80	10.20	8.00	8.20	00.00	05.40	08.60	11.30	18.00	20.00	23.50	24.50	30.90
Elevation	821.20	807.90	803.70	803.70	794.70	788.90	786.60	786.70	786.30	787.40	786.00	787.60	788.00	794.30	796.70	798.80	802.70	806.60	808.70



807+90	2860	803+70	2450	803+70	2350	784+70	1600	788+90	1710	788+60	1290	786+70	1020	786+30	0800	787+40	0520	789+00	0000	787+60	0540	788+00	0860	794+30	1730	796+70	1800	798+90	2000	802+70	2550	806+60	2450	809+70	3050	814+20	3600	814+20	3800	815+50	3890	817+00	4240
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
GORDUWA KHOLA (DAM AXIS) CHO-154			
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:-	
X-SECTION	H:-1:100 V:-1:100	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			

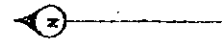
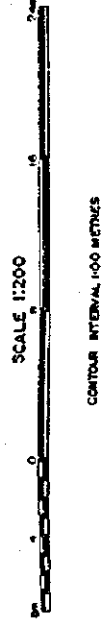


LEGEND

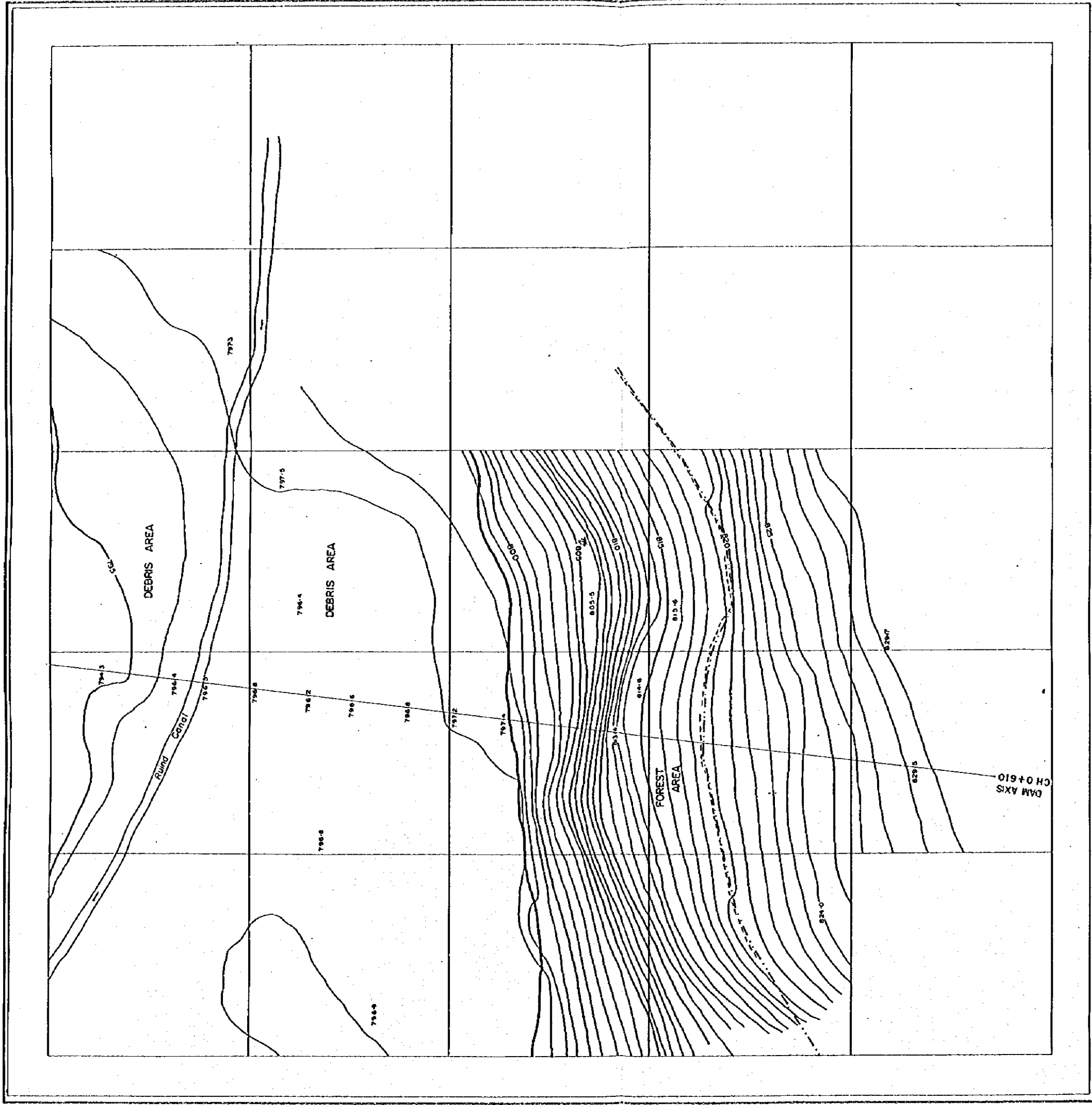
Boulder	.....
Landslide, Caving	.....
Cliff	.....
Fall	.....
River	.....
Canal	.....
Springs	.....
Tree, Bamboo	.....
Water pipe line	.....
Gebuwali	.....
Cultivation land	.....
Roads, Bridge	.....
Trench	.....
Temple	.....
Water Mill	.....
House, Temporary Hut	.....

SHEET INDEX

1
2



JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
Detail: Topographical Map of Manahari Khola (Down Stream)			
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:-	
PLAN	SCALE 1:200	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			

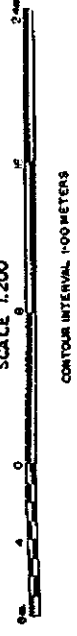


LEGEND

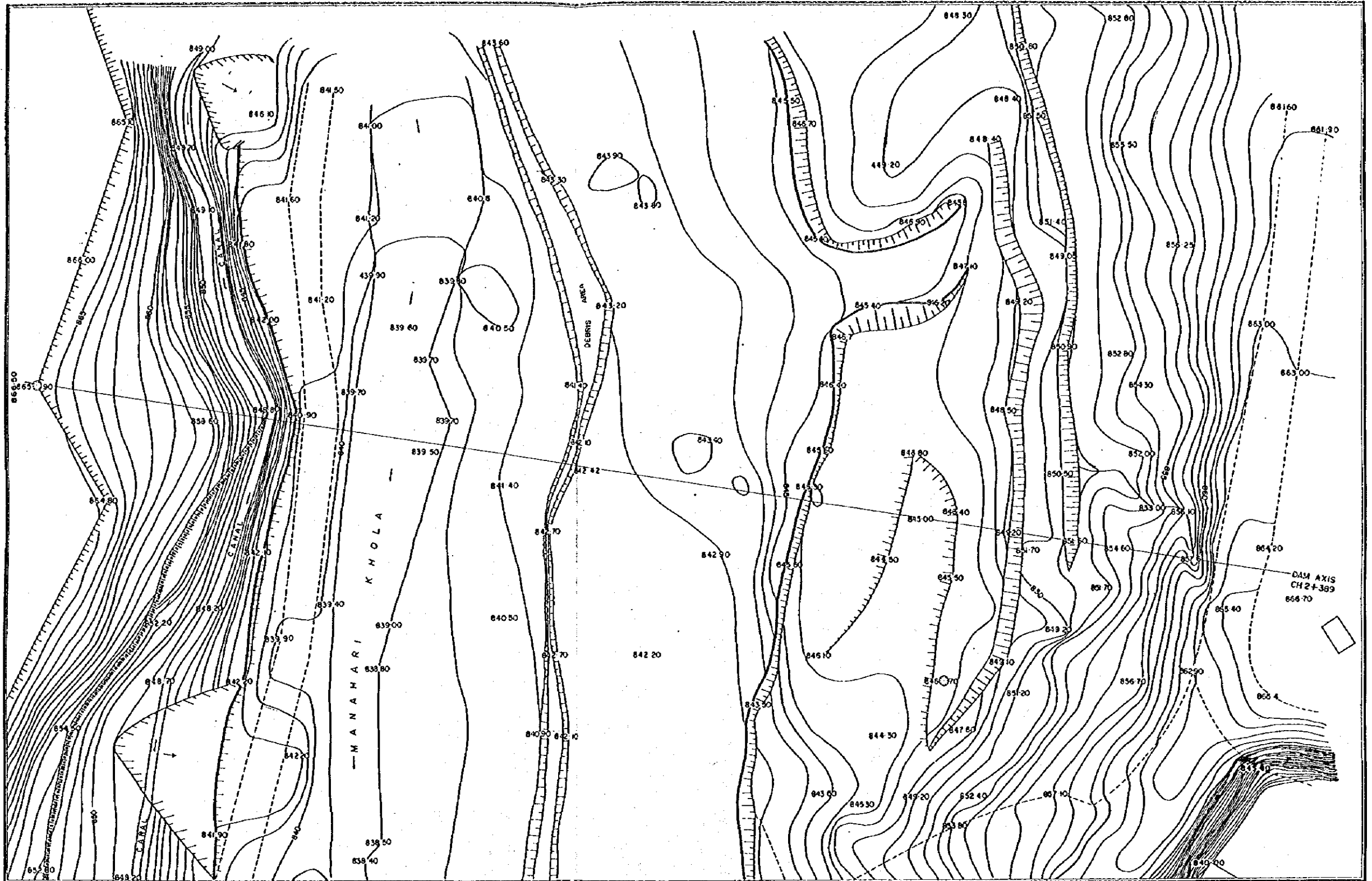
Boulder	Contour	Water pipe line	Tram
Landslide, Cairng	Canal	Cultivation limit	Roads, Bang de
Cliff	Well	Track	Temple
Fall	River	Water Mill	House, Temporary Hut
Contour	Spot height		
Trees, Bamboo	Water pipe line		
Cultivation	Cultivation limit		
Roads, Bang de	Track		
Temple	Water Mill		
House, Temporary Hut			

SHEET INDEX

1	2
---	---



JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
Detail Topographical Map of Mankhet Khone (Down Stream)			
DISTRICT MAKAWANPUR	VIC NANTAR	SURVEY CHECKED BY:--	
TOPOGRAPHICAL MAP	SCALE 1:200	PLOTTING CHECKED BY:--	
SURVEY COMMENCED ON:--		DRAWING CHECKED BY:--	
MAP COMPLETED ON:--			



CH 24-389

CH 24-389

LEGEND

- Boulder
- Landslide, Colling
- Cut
- Fall
- River
- Contours
- Spotheight
- Tree, Bamboo
- Water pipe line
- Gobialwal
- Cultivation limit
- Roads, Bridge
- Track
- Temple
- Water Mill
- House, Temporary Hut



CONTR. INTERNAL 100 METRE



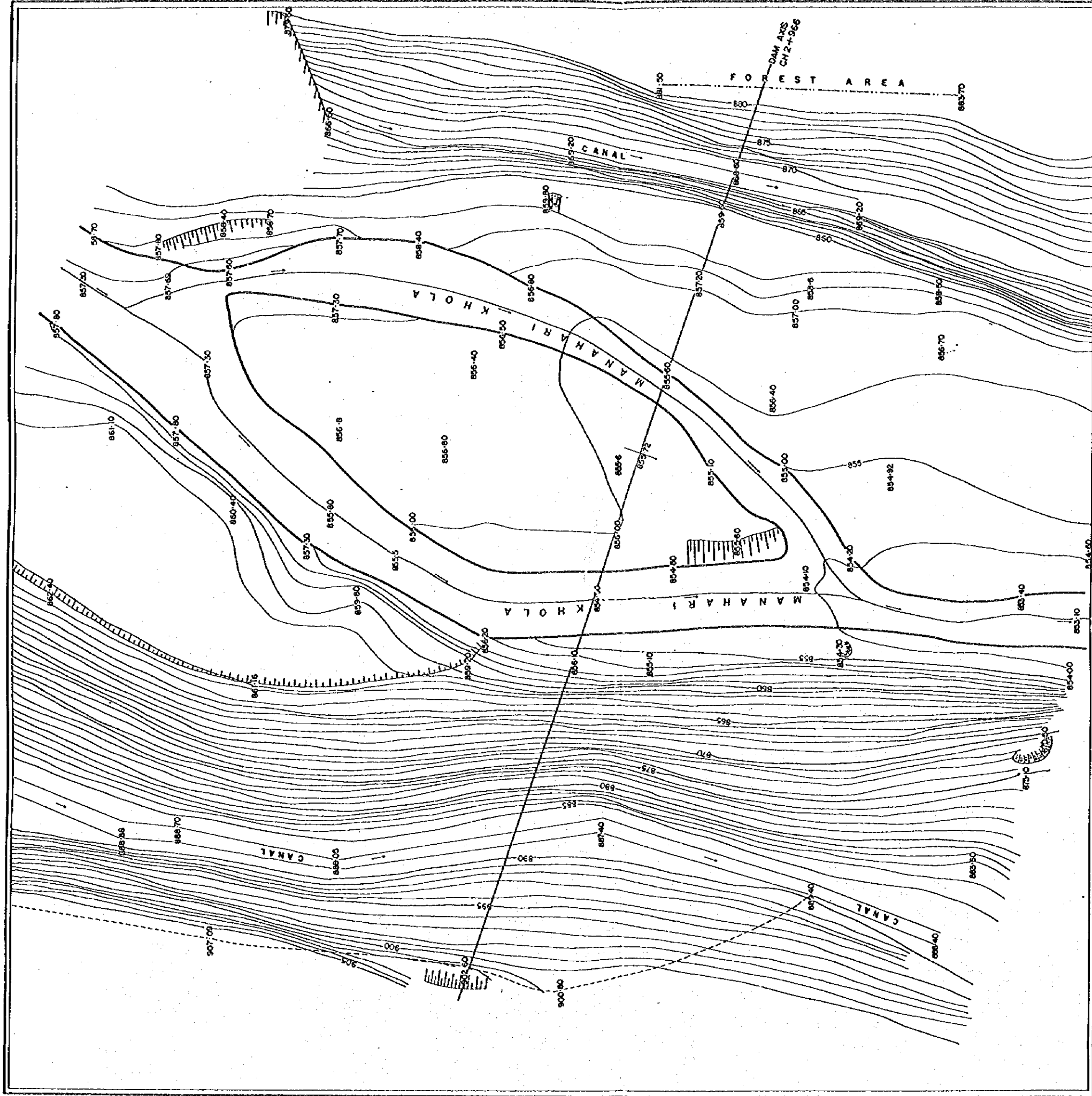
JICA / HMG

PROJECT
DISASTER PREVENTION PROJECT

CONSULTANT
AUTO CARTO CONSULT

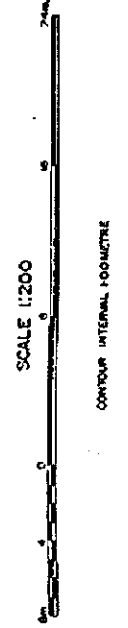
Detail Topographical Map at Mandhari Khola (Middle)

DISTRICT MAKAWANPUR	YOC NANTAR	SURVEY CHECKED BY:-
PLAN	SCALE 1:200	PLATTING CHECKED BY:-
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-
MAP COMPLETED ON:-		



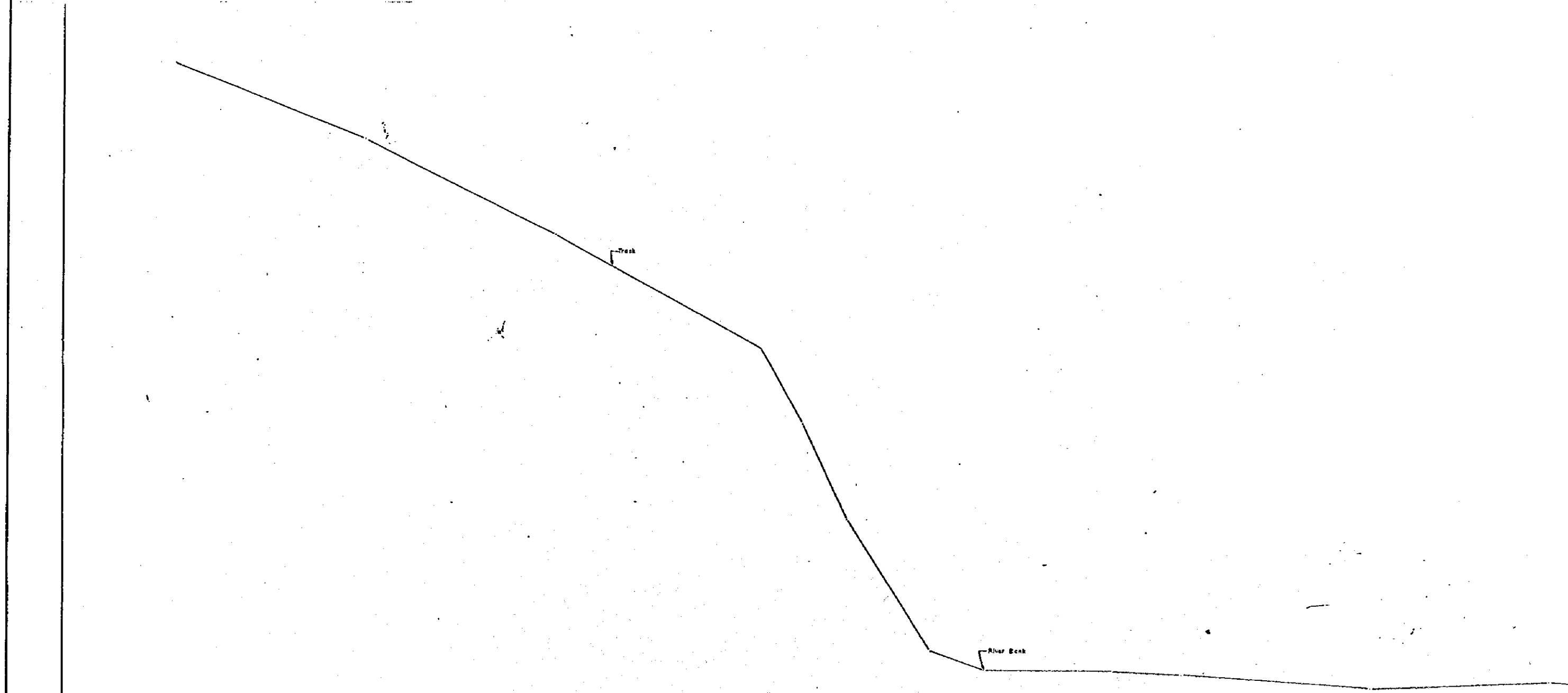
LEGEND

Boulder	.....
Landslide, Coning	|||||
Cleft	.....
Full	.....
River	.....
Contours	.....
Sightlight	.....
Tree, Bamboo	.....
Water pipe line	.....
Cableway	.....
Cultivation line	.....
Roads, Single	.....
Track	.....
Temple	.....
Water Mill	.....
House, Temporary	.....



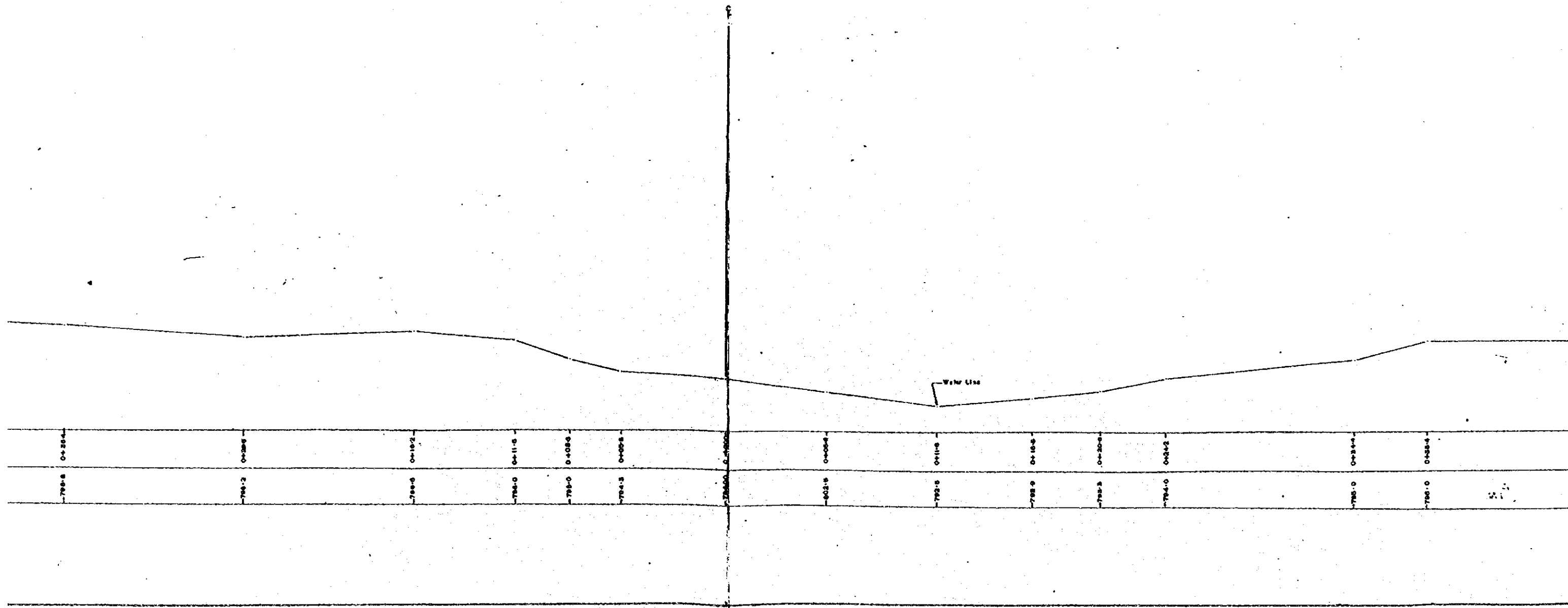
JICA / MMG

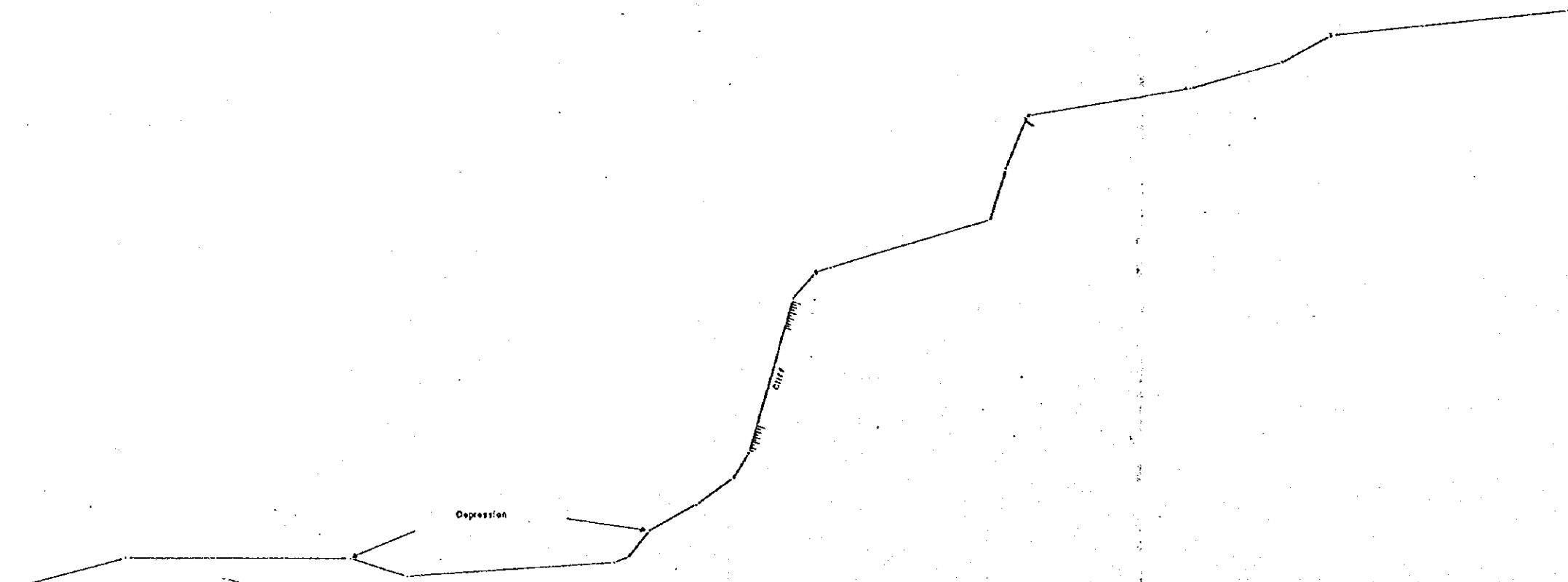
PROJECT		DISASTER PREVENTION PROJECT	
CONSULTANT		AUTO CARTO CONSULT	
Detail Topographical Map of Manahari Khola (Upper)			
DISTRICT	YOC	SURVEY CHECKED BY:	
MAKAMUNPUR	NAMTAR	PLANNING CHECKED BY:	
PLAN	SCALE	DRAWING CHECKED BY:	
SURVEY COMMENCED ON:	1:200		
MAP COMPLETED ON:			



Station	0+00.0	0+175.0	0+350.0	0+525.0	0+700.0	0+875.0	0+1050.0	0+1225.0	0+1400.0	0+1575.0	0+1750.0	0+1925.0	0+2100.0
Change													
Elevation	828.0	825.0	820.0	818.0	815.0	814.0	810.0	800.0	800.0	797.0	797.0	796.8	796.0

CHO 4610





0+244	0+334	0+470	0+492	0+572	0+576	0+584	0+604	0+616	0+624	0+642	0+650	0+654	0+716	0+724	0+730	0+796	0+832	0+850	0+946
-785.0	-786.0	-788.0	-789.5	-795.8	-796.0	-797.0	-798.0	-799.0	-800.0	-805.0	-807.0	-807.2	-808.0	-811.0	-812.0	-814.0	-815.0	-816.0	-817.0

JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
MANAHARI KHOLA (Lower Stream I/I) DAM AXIS			
DISTRICT MAKAWANPUR	VOC NAMTAR	SURVEY CHECKED BY:-	
X-SECTION	H:-1:100 V:-1:100	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			

Track

River Bank

Stone

Datum 636.0m

Chainage	71.00	66.80	65.50	64.20	61.60	59.00	55.00	54.30	51.20	49.80	48.80	44.10	41.10	38.60	38.00	35.00	32.40	29.80	23.20	22.40	20.80	18.60	16.80	15.60
Elevation	-664.20	-664.00	-663.00	-660.00	-659.00	-655.00	-653.00	-652.00	-651.60	-650.50	-650.00	-649.20	-647.00	-646.40	-645.10	-645.00	-644.50	-645.60	-646.60	-645.60	-645.00	-644.00	-642.00	-642.00

CH 2+389

River Bank

Stone

Debris

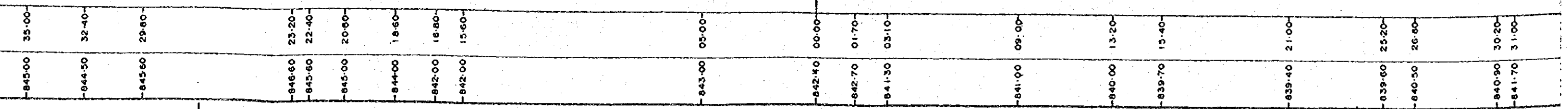
Debris

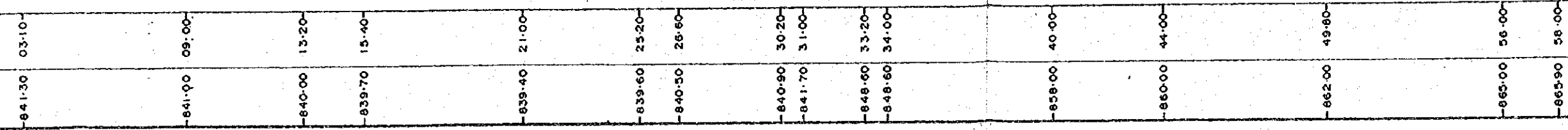
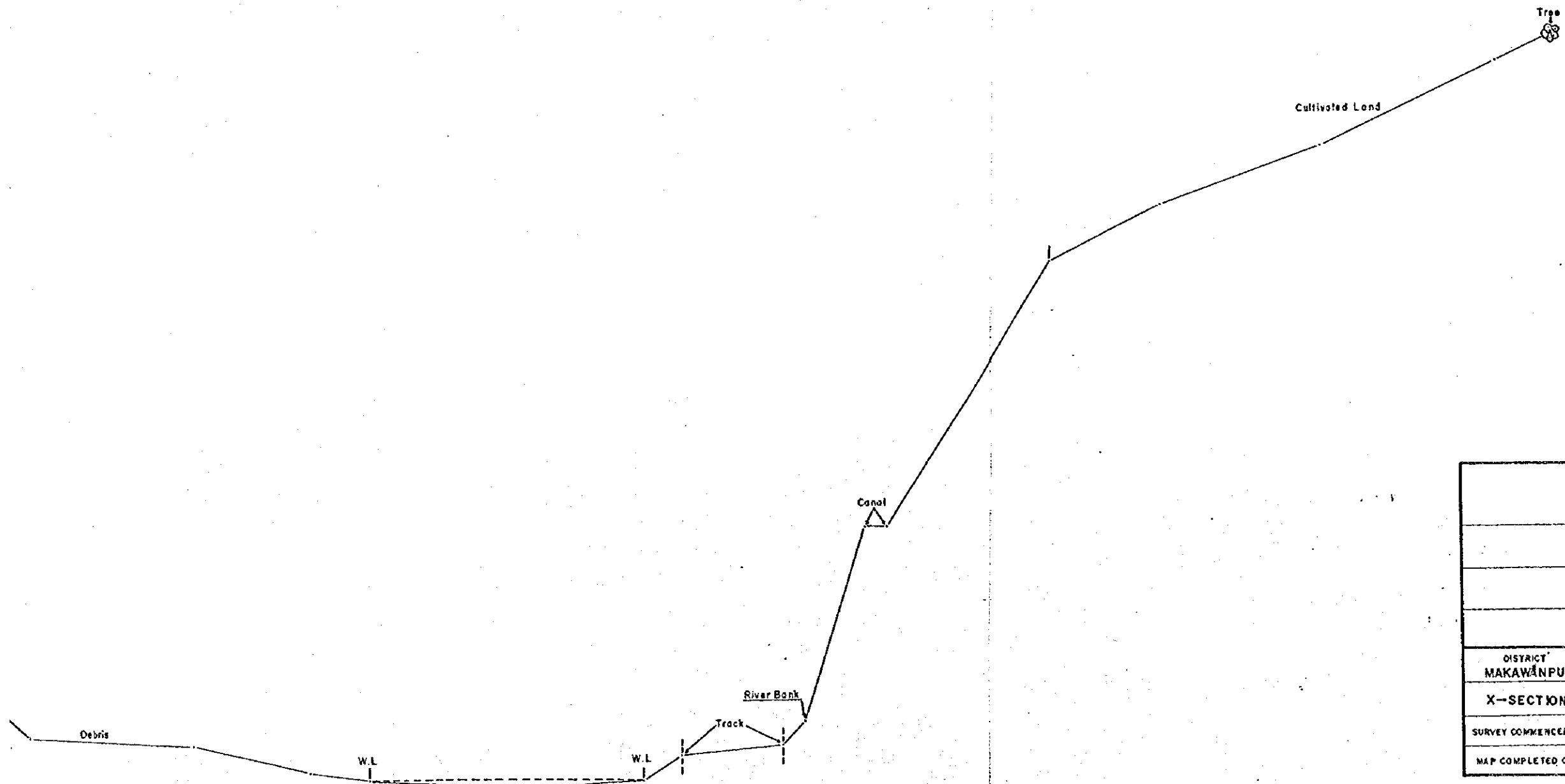
W.L.

W.L.

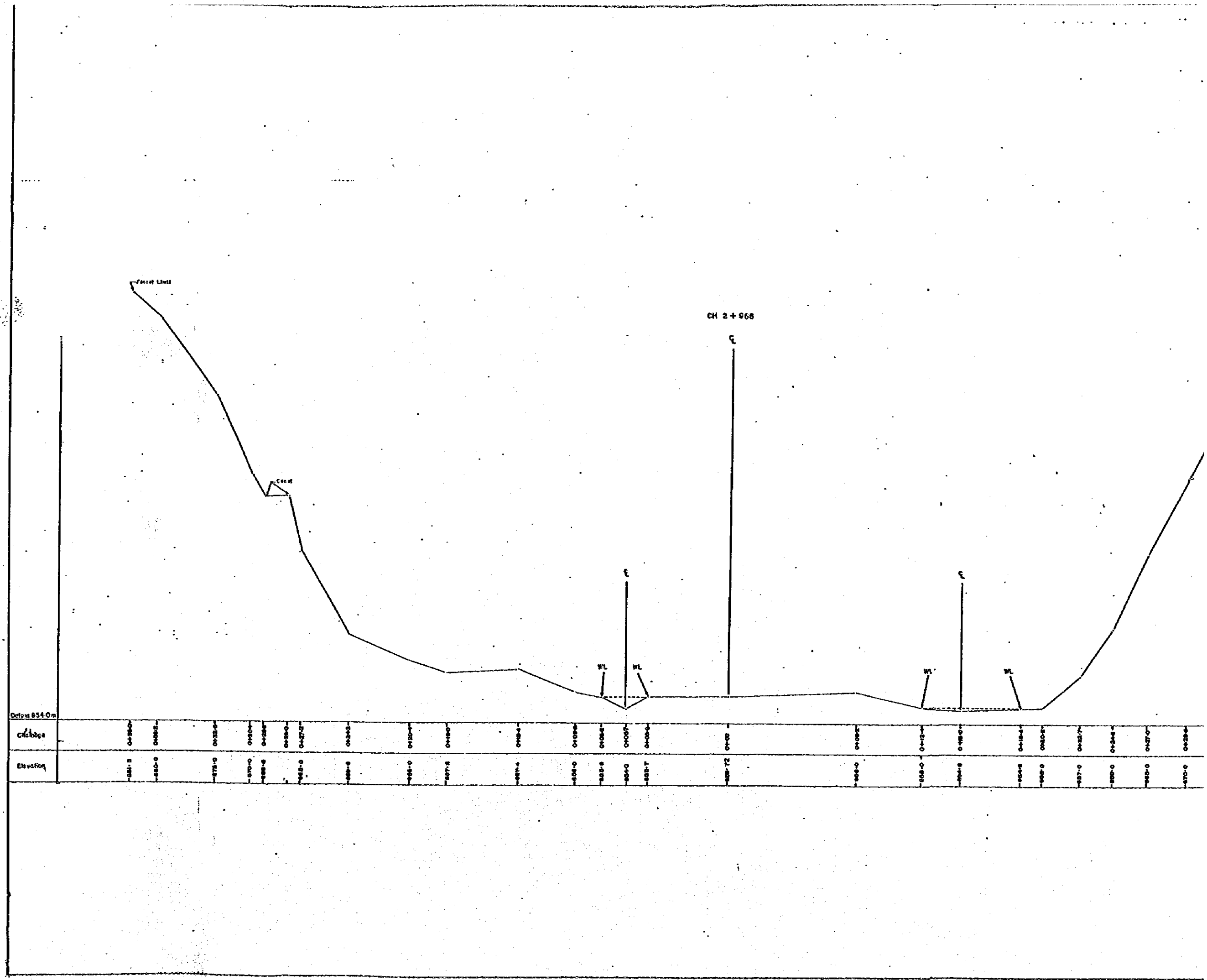
River Bank

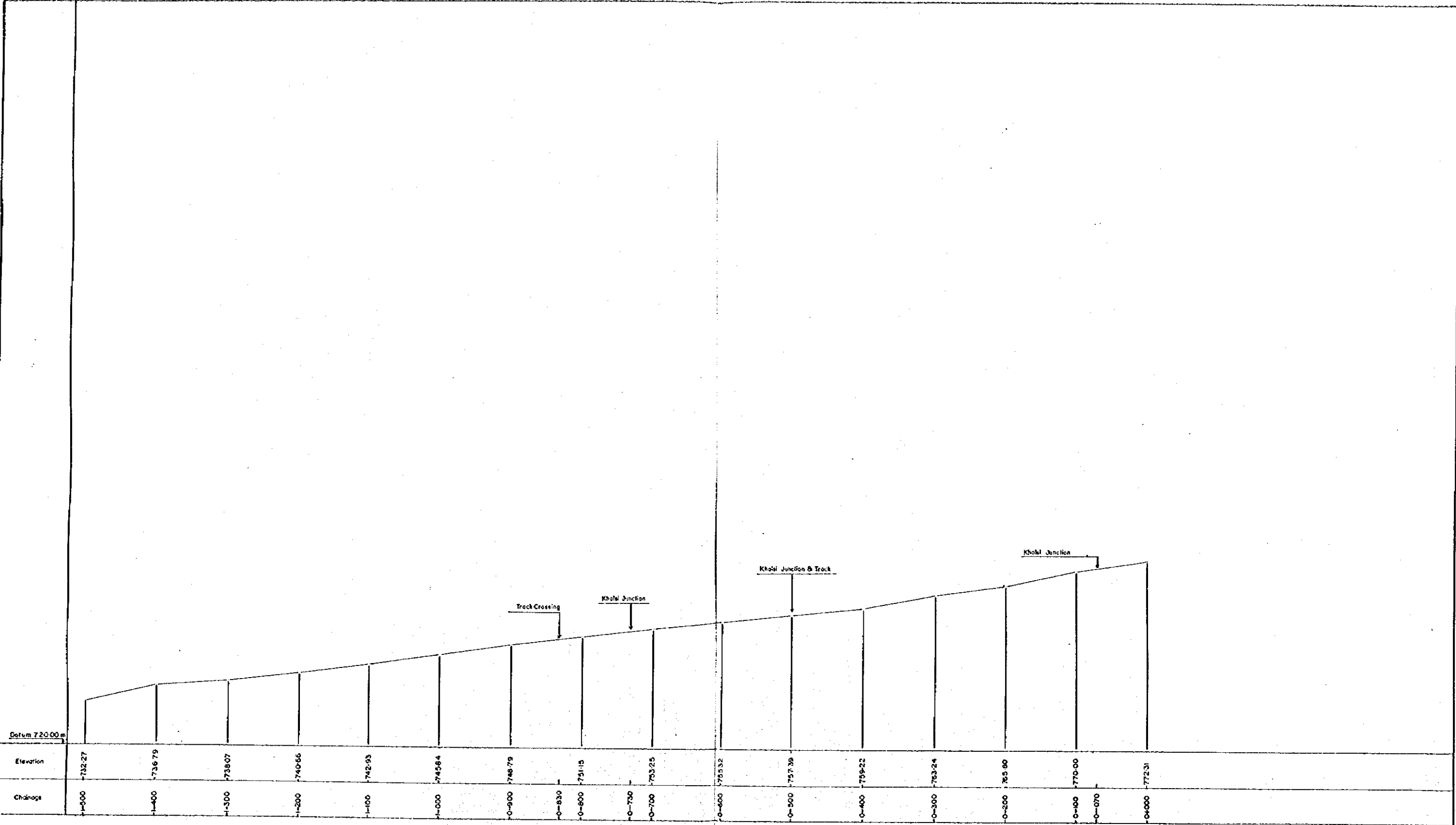
Track



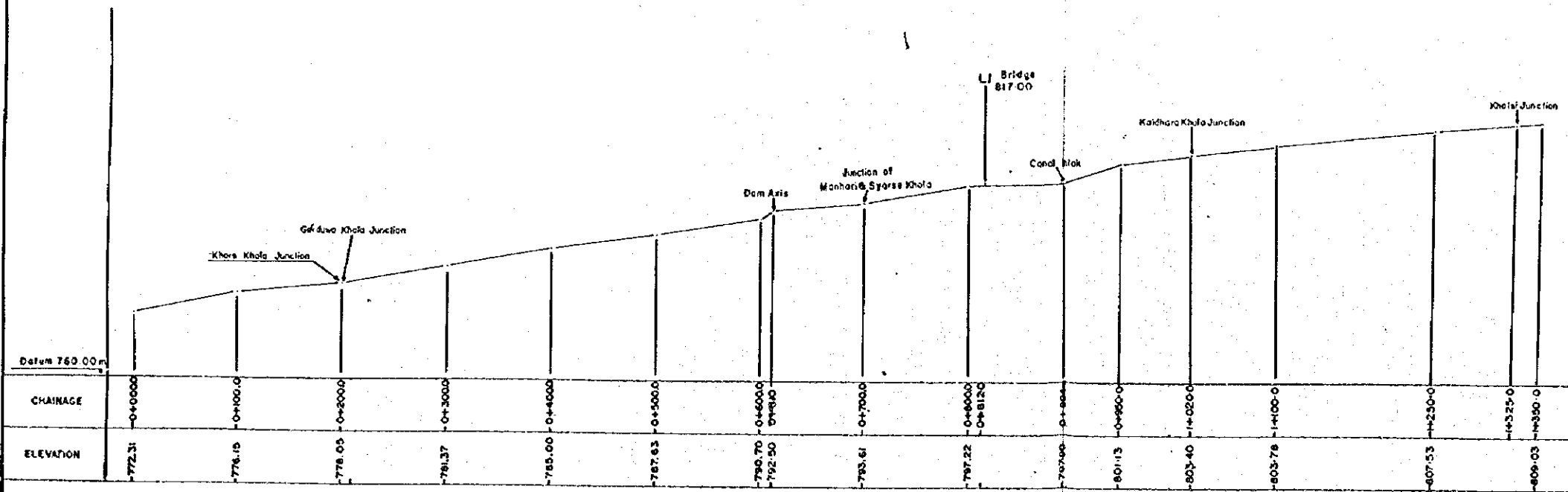


JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
MANAHARI KHOLA MIDDLE CH2 + 380			
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:-	
X-SECTION	H:- 1:100 V:- 1:100	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			

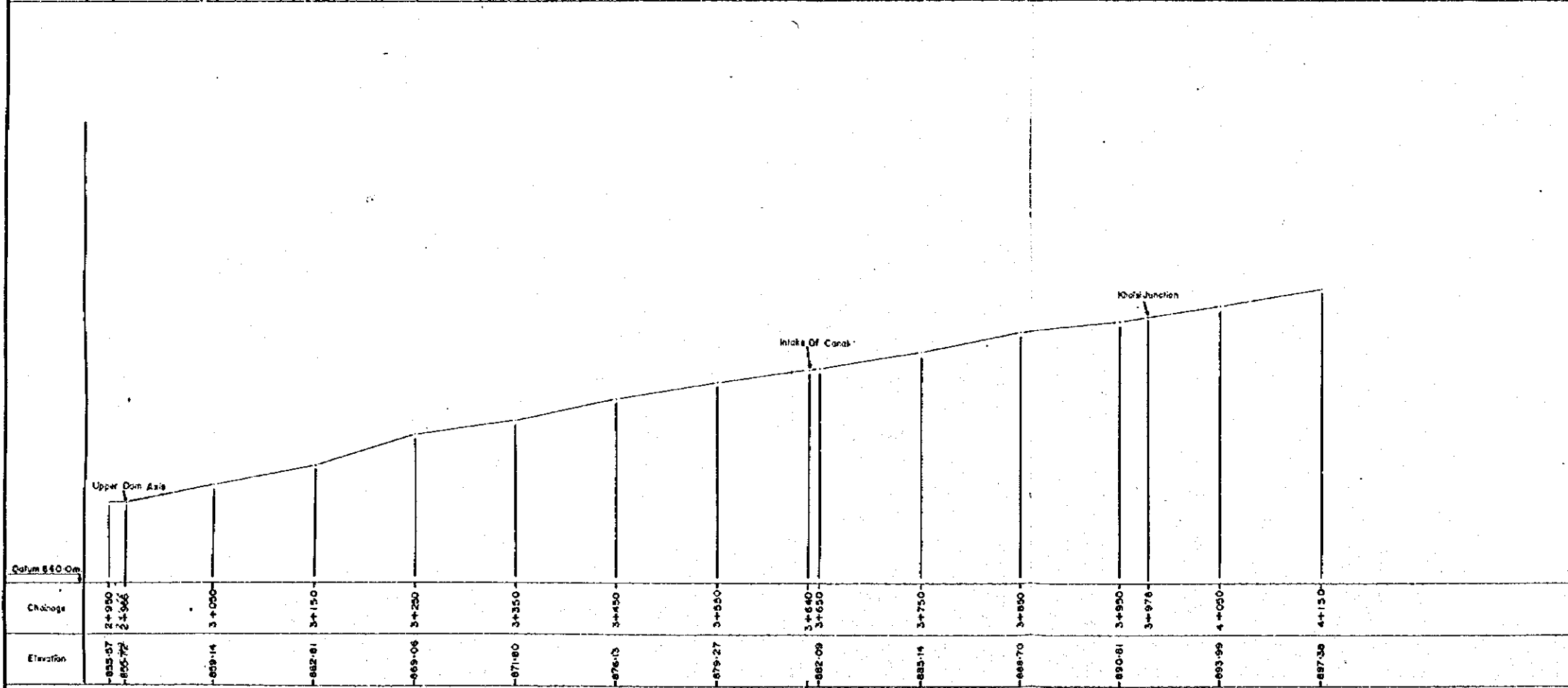
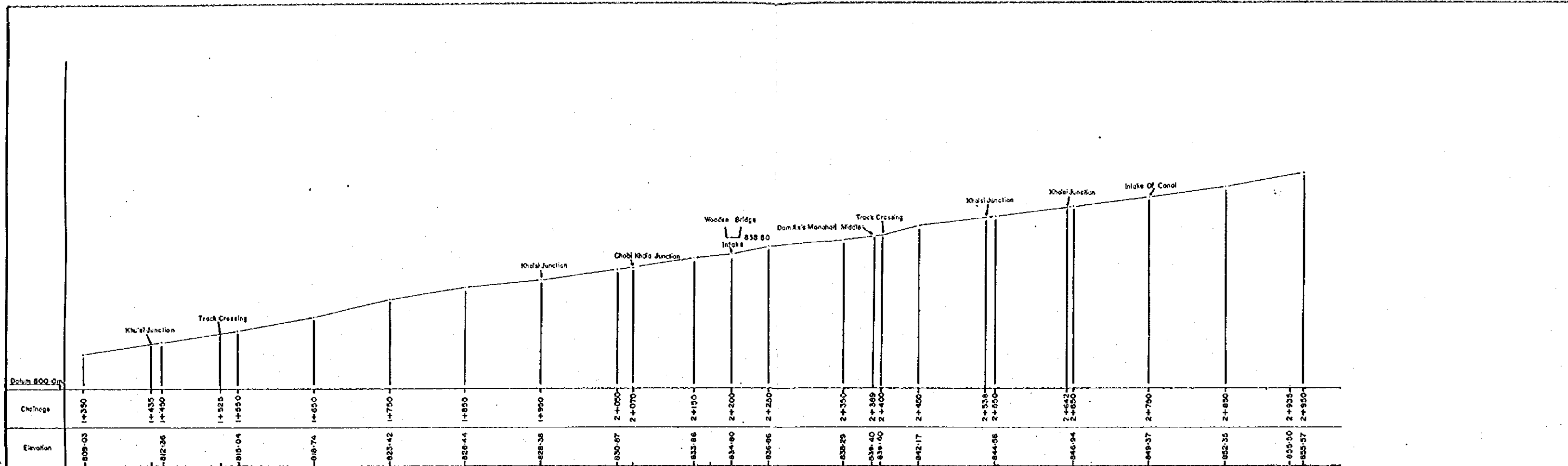




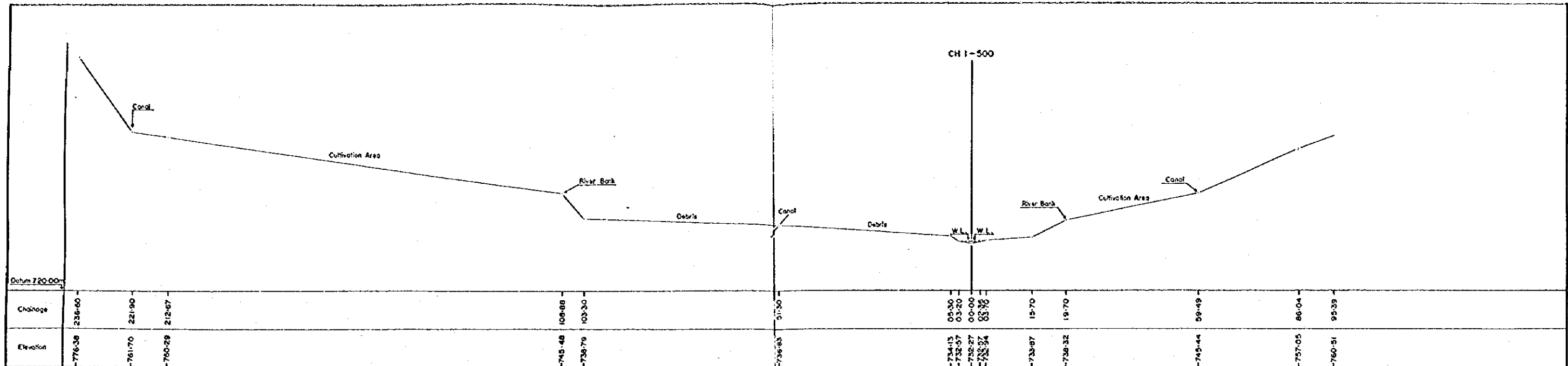
JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
MANAHARI KHOLA (1/3) CH 1-500 TO CH 0+000			
DISTRICT MAKHWANPUR	NDC MANTAR	SURVEY CHECKED BY:-	
L-SECTION	H:- 1:2500 V:- 1:500	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			



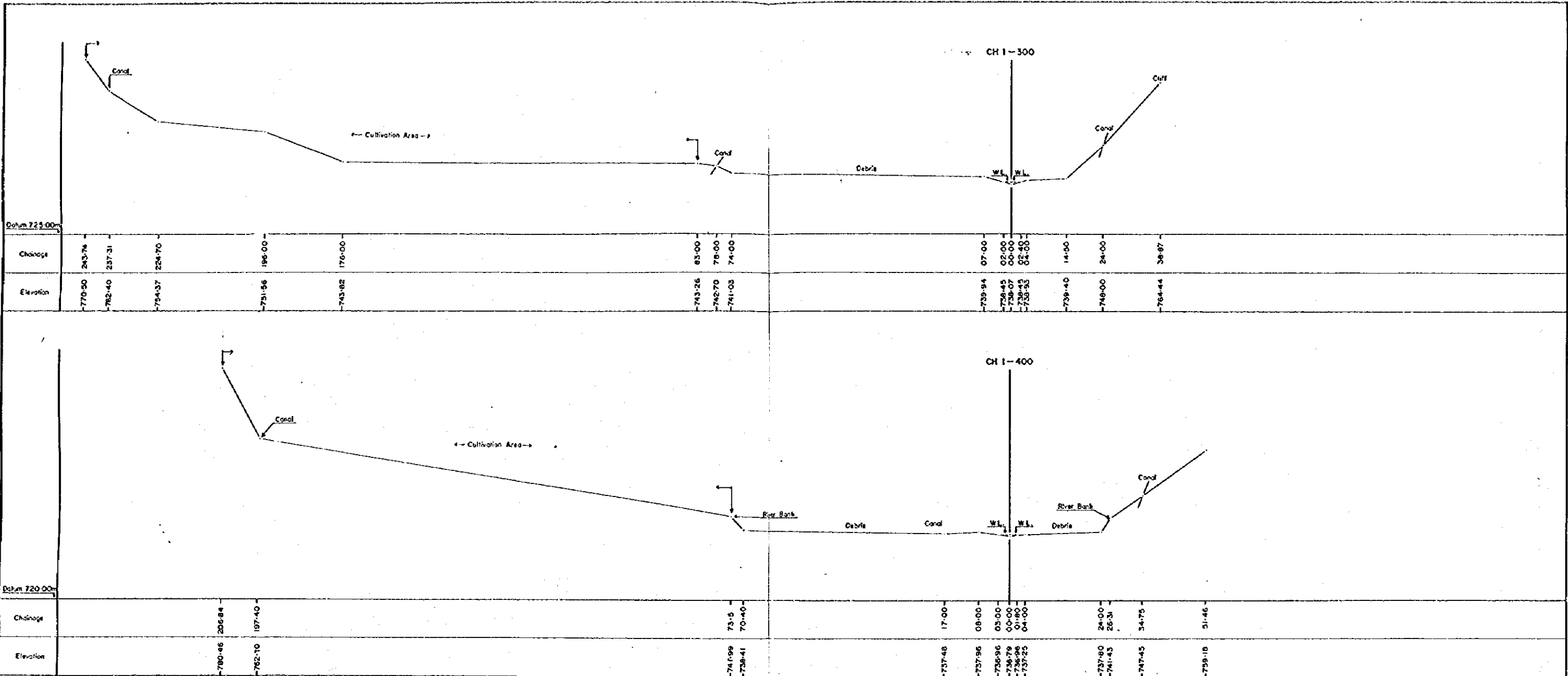
JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
MANAHARI KHOLA (2/3) CH 0+000.0 TO CH 1+350.0			
DISTRICT MAKASAMPUR	VDC NAMTAR	SURVEY CHECKED BY:-	
L-SECTION	H:- 1:2500 V:- 1:500	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			



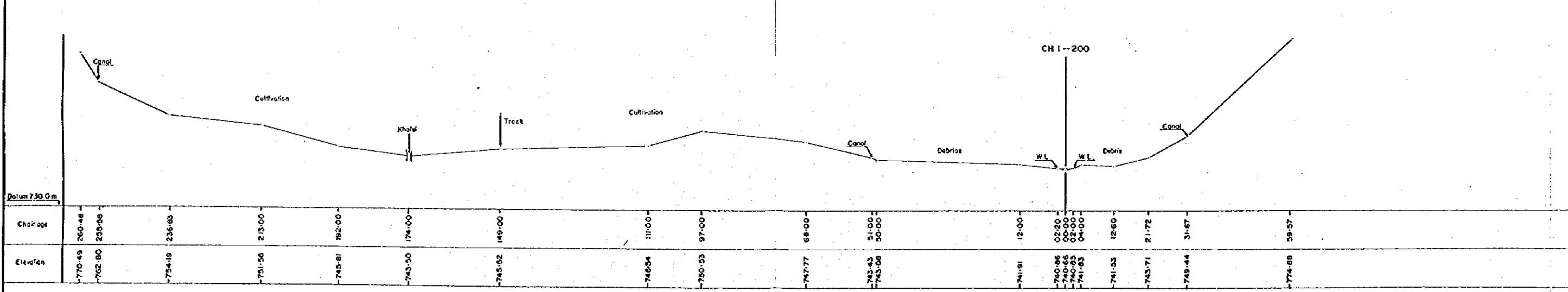
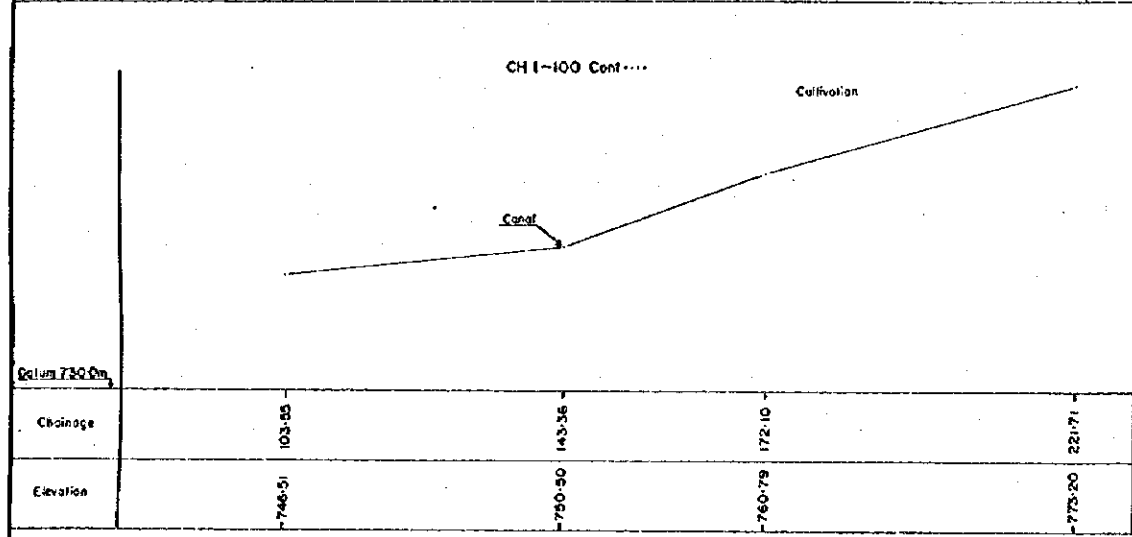
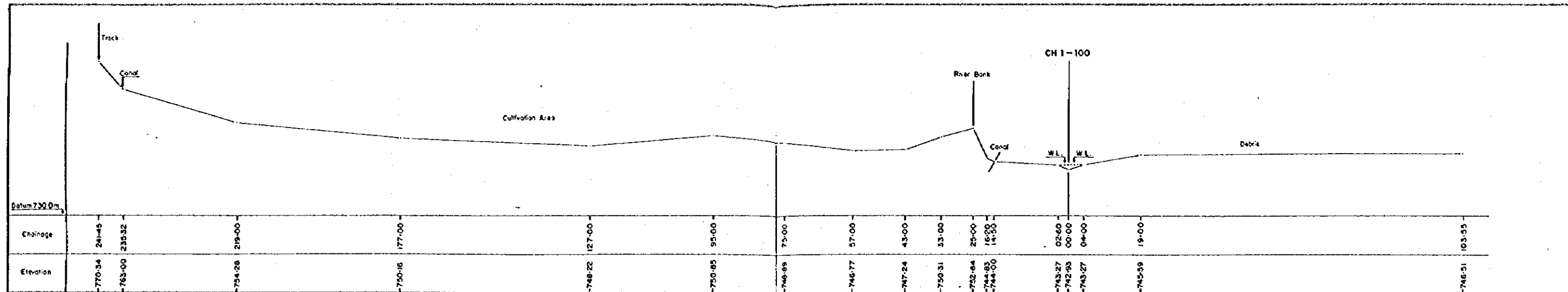
JICA / HMG		
PROJECT DISASTER PREVENTION PROJECT		
CONSULTANT AUTO CARTO CONSULT		
MANAHARI KHOLA LP STREAM (3/3) CH 1+350 TO CH 4+150		
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:-
L-SECTION	H-1:2500 V-1:500	PLOTTING CHECKED BY:-
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-
MAP COMPLETED ON:-		



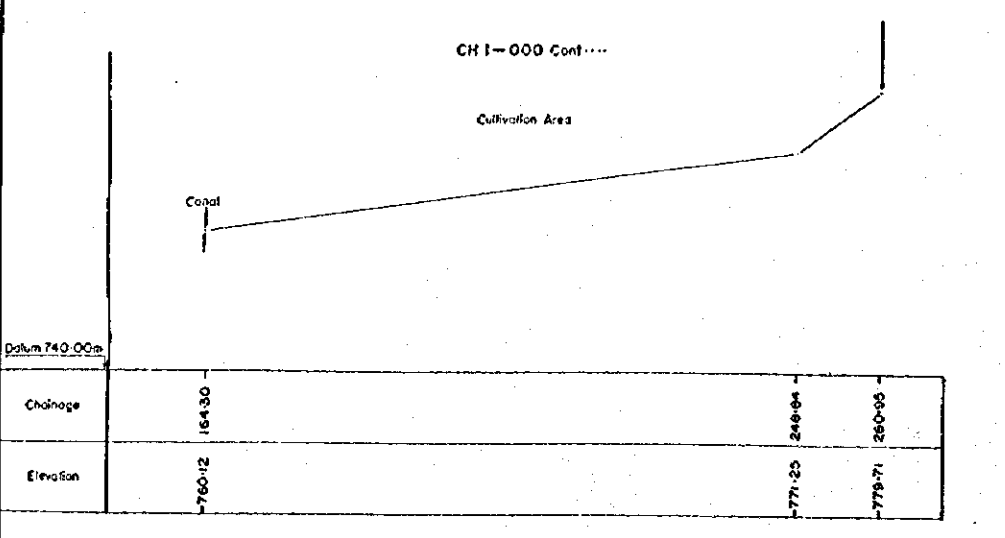
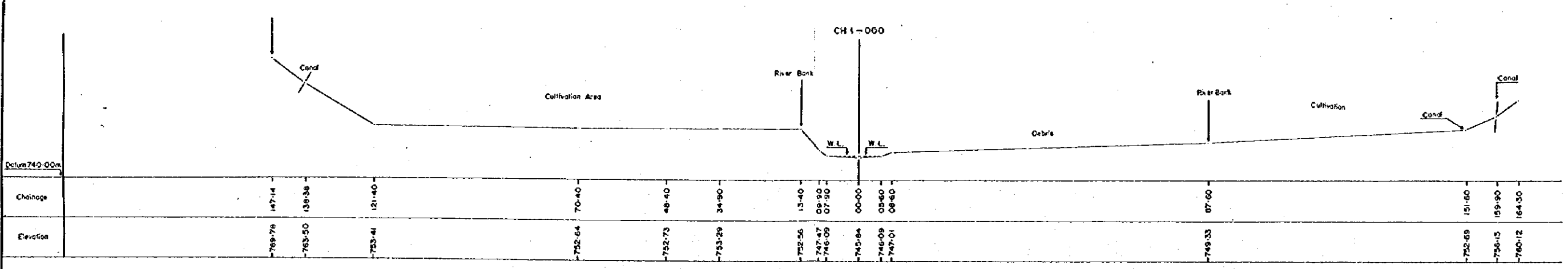
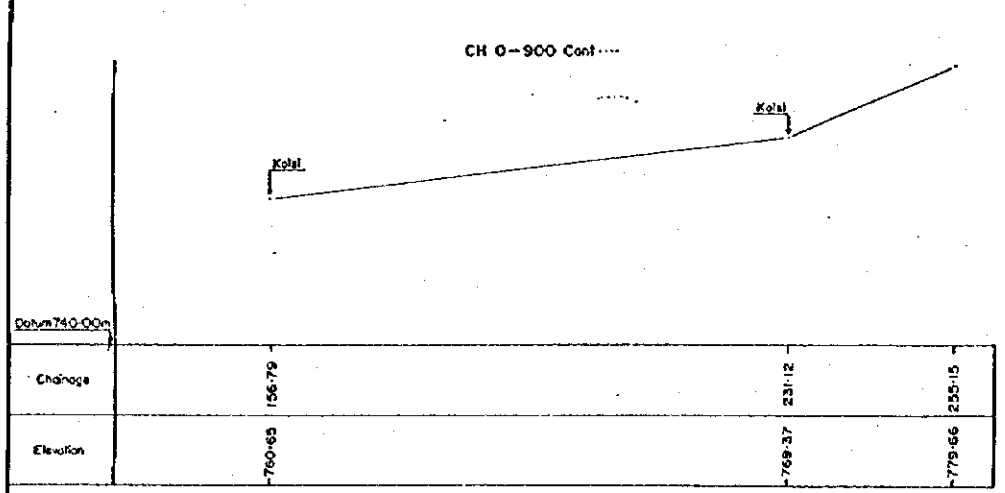
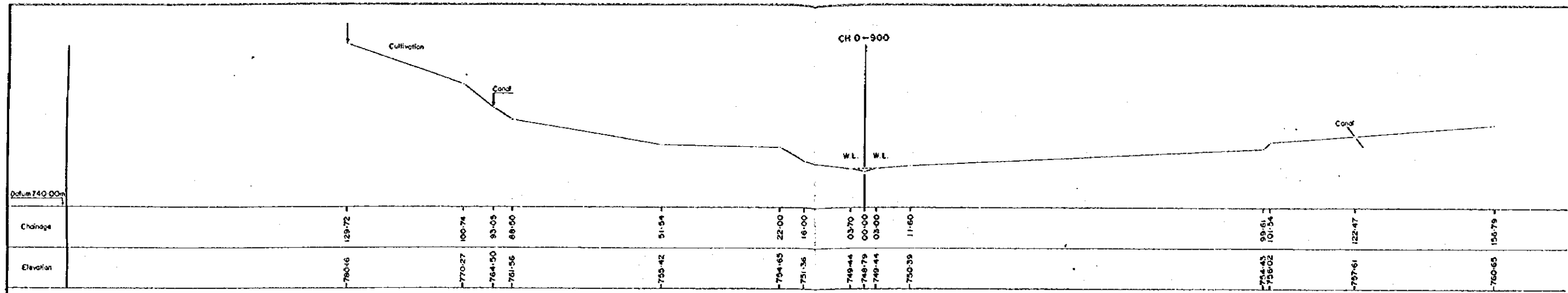
JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
MANAHARI KHOLA (1/19) CH I-500			
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:-	
X-SECTION	H:-1:500 V:-1:500	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			



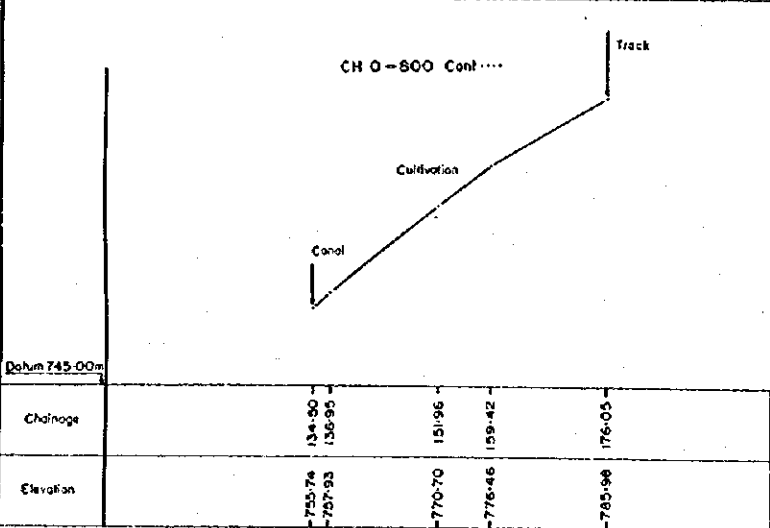
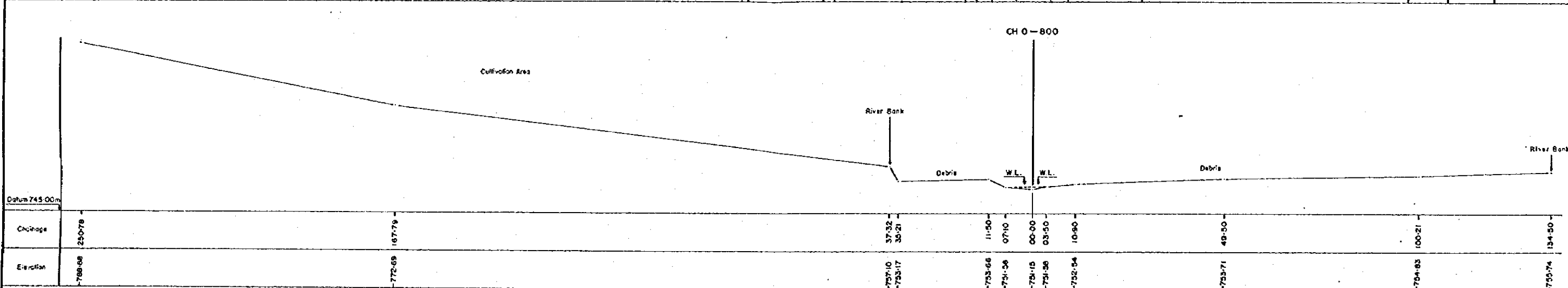
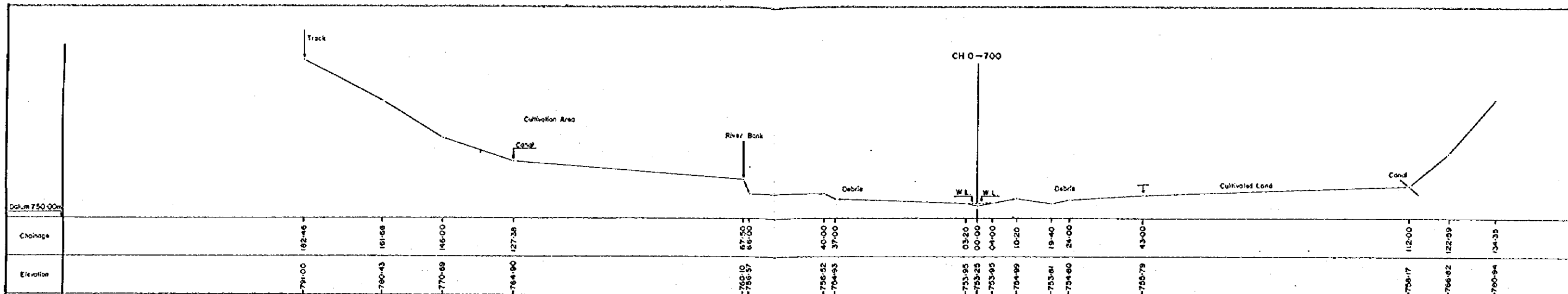
JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
MANAHARI KHOLA (2/19) CH I-300 TO CH I-400			
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:-	
X-SECTION	H:-1500 V:-1500	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			



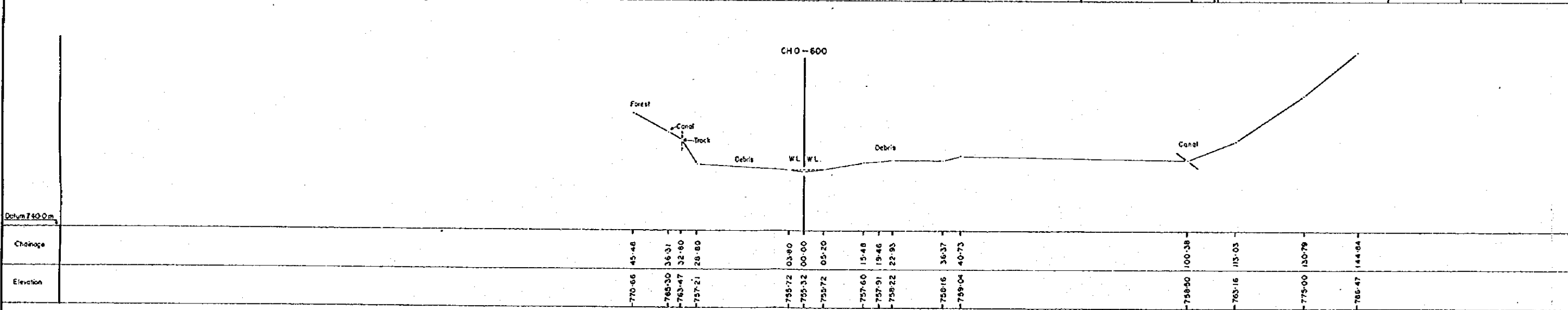
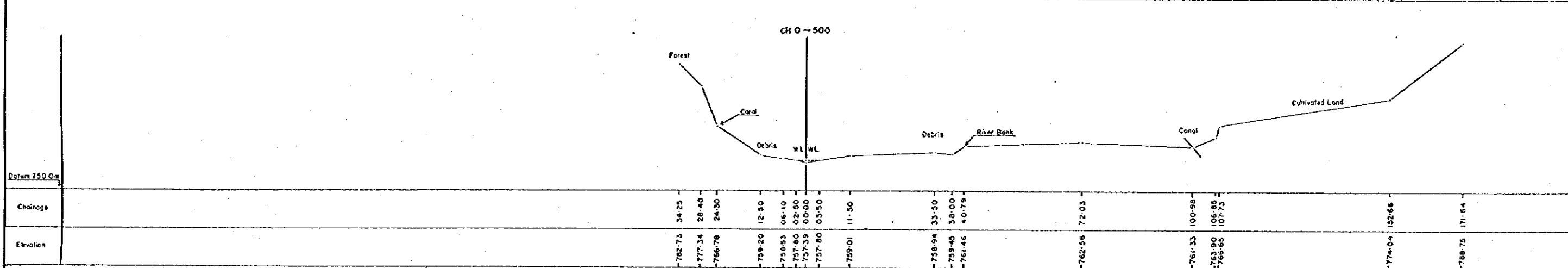
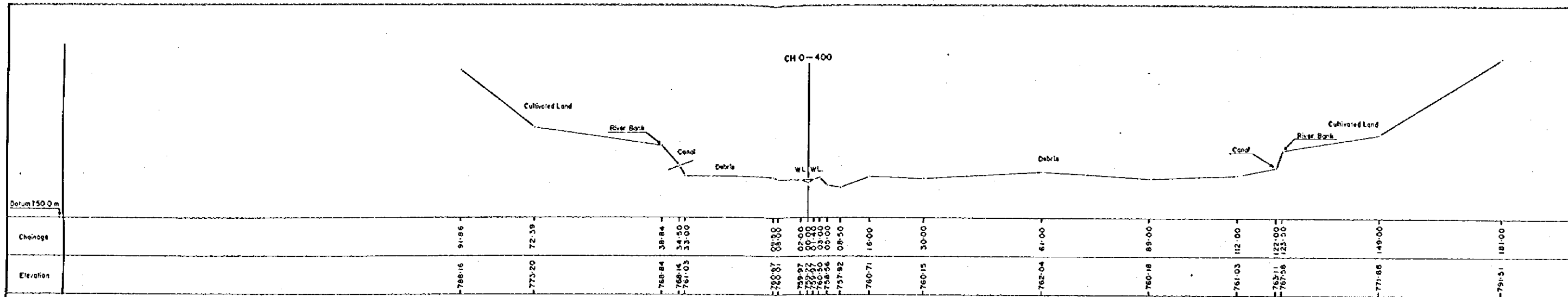
JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
MANAHARI KHOLA (3/19) CH 1-100 TO CH 1-200			
DISTRICT MAKAWANPUR	VDC NANTAR	SURVEY CHECKED BY:-	
X-SECTION		H:-1:500	PLOTTING CHECKED BY:-
SURVEY COMMENCED ON:-		V:-1:500	
MAP COMPLETED ON:-			DRAWING CHECKED BY:-



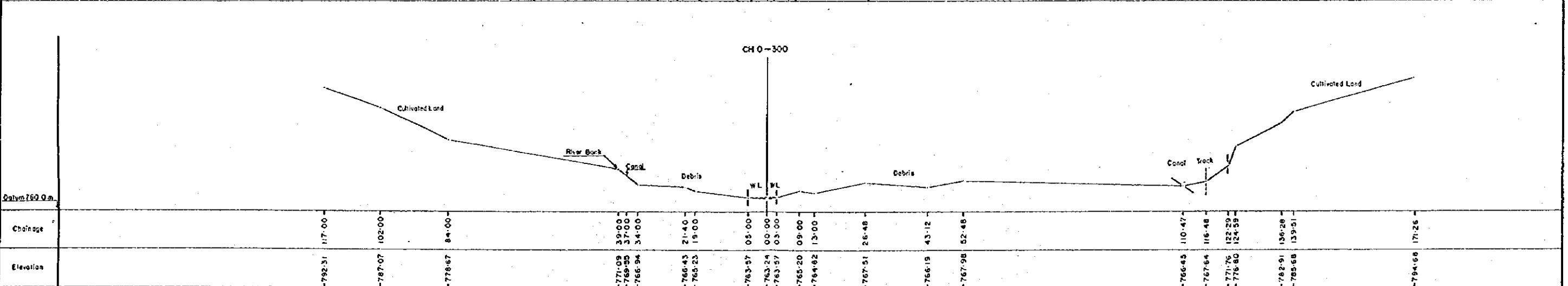
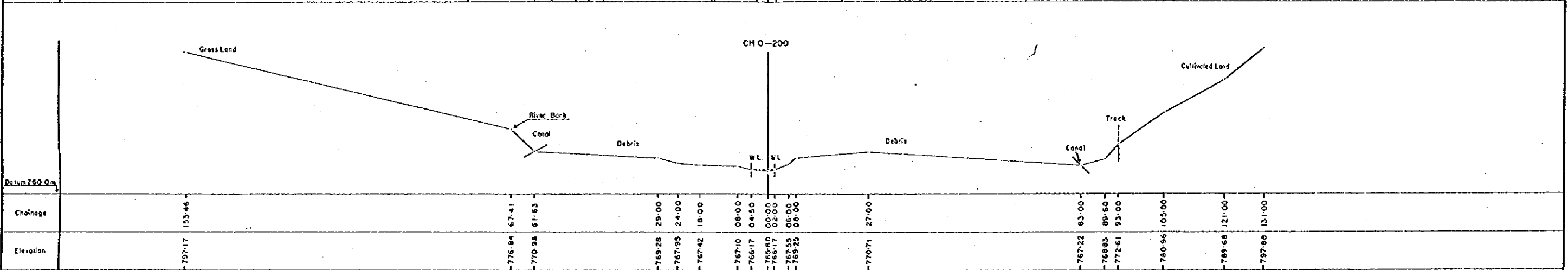
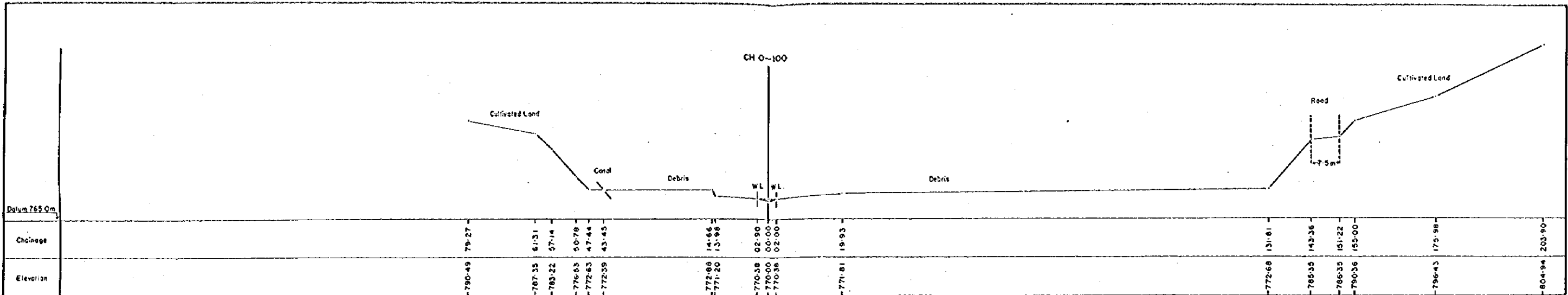
JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
MANAHARI KHOLA (4/19) CH 0-900 TO CH 1-000			
DISTRICT MAKAWANPUR	YDC NAMTAR	SURVEY CHECKED BY:-	
X-SECTION	H-1:500 V-1:500	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			



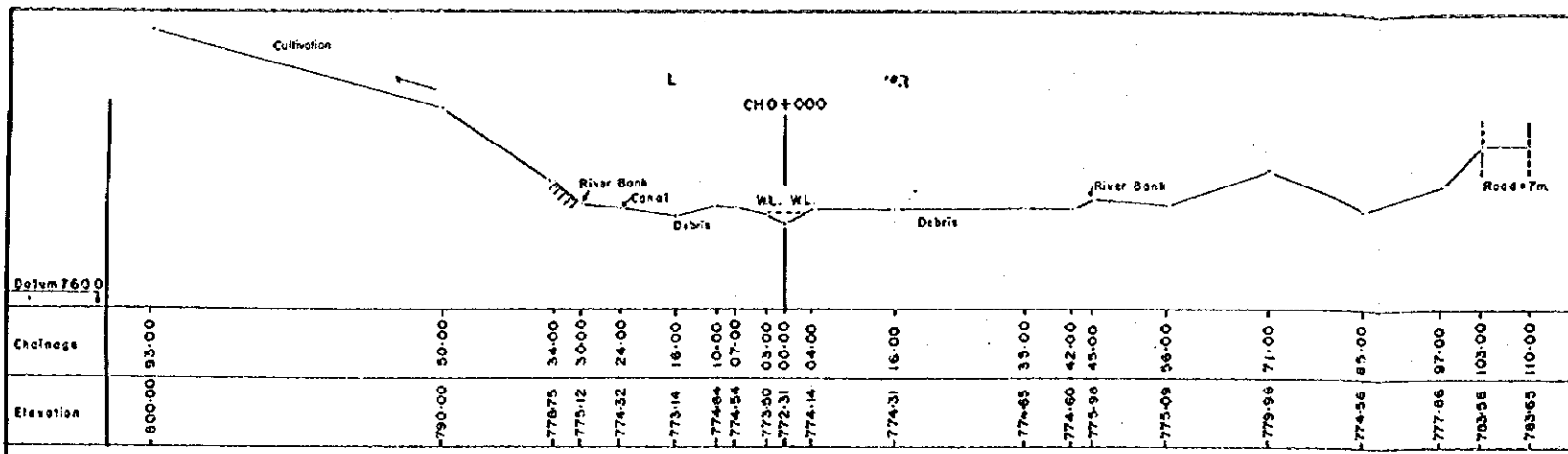
JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
MANAHARI KHOLA (5/19) CHO-700 TO CHO-800			
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:-	
X-SECTION	H:-1:500 V:-1:500	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			



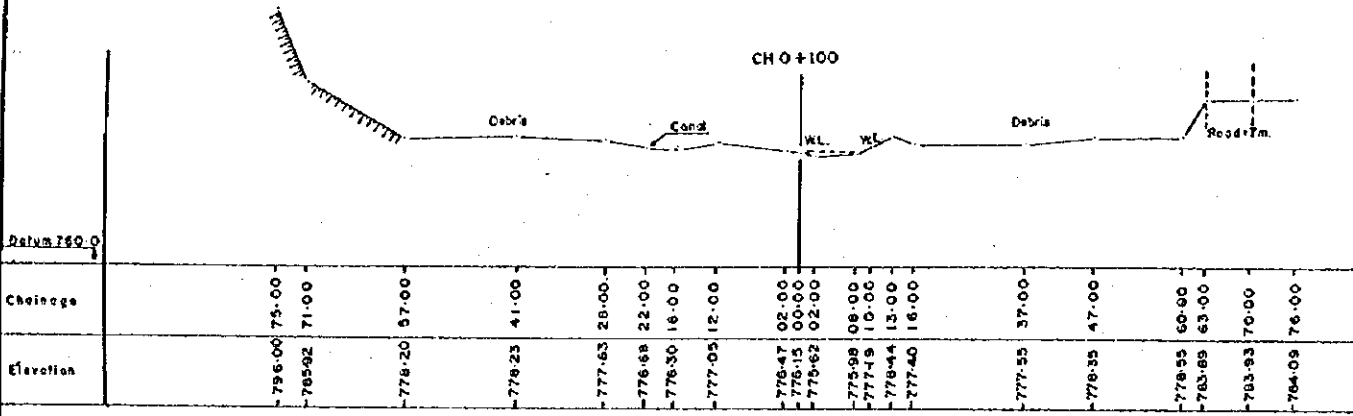
JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
MANAHARI KHOLA (6/19) CHO-400 TO CHO-600			
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:-	
X-SECTION	H:-1:500 V:-1:500	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			



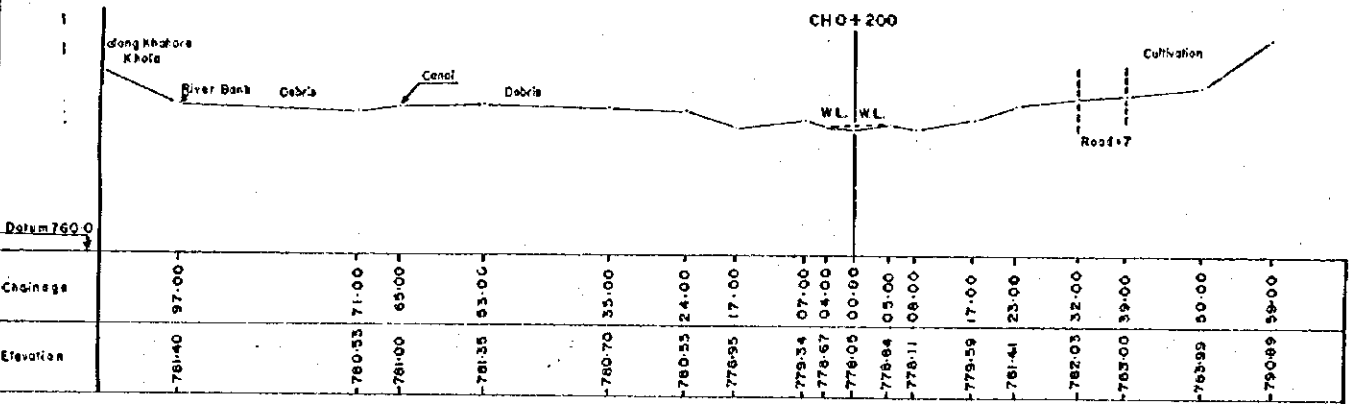
JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
MANAHARI KHOLA (7/19) CH 0-100 TO CH 0-300			
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:-	
X - SECTION		SCALE H:-1:500 V:-1:500	PLOTTING CHECKED BY:-
SURVEY COMMENCED ON:-			DRAWING CHECKED BY:-
MAP COMPLETED ON:-			



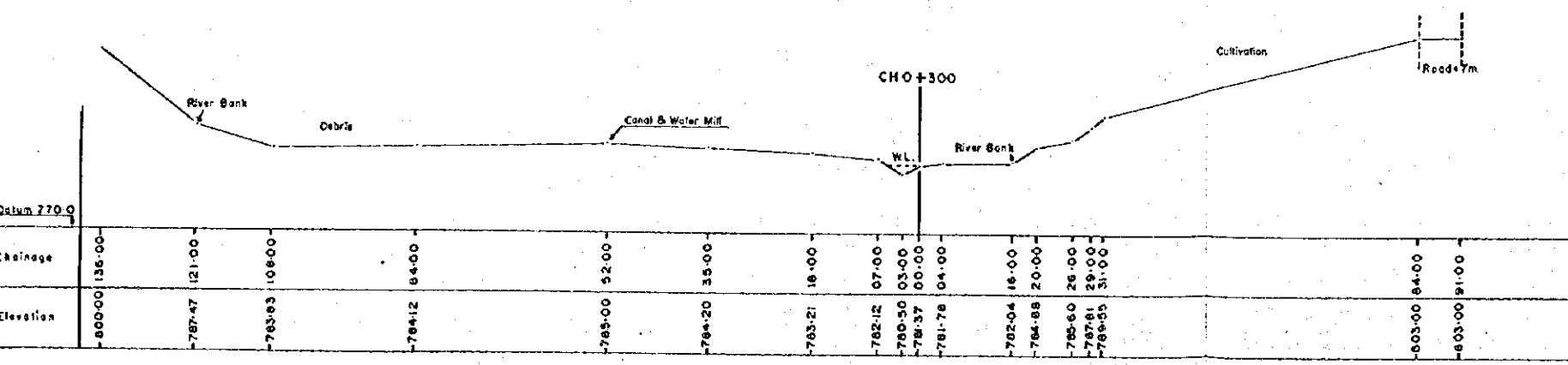
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Elevation	800.00	790.00	778.75	775.12	774.32	773.14	774.84	774.54	772.31	774.14	774.31	774.85	774.60	775.98	775.09	779.96	774.56	777.66	783.98	783.65	783.65	783.65



Chainage	796.00	795.02	778.20	778.23	777.63	776.68	776.50	777.05	776.47	776.15	775.62	775.98	777.19	778.44	777.40	777.55	778.35	778.55	783.69	783.93	784.09
Elevation	796.00	795.02	778.20	778.23	777.63	776.68	776.50	777.05	776.47	776.15	775.62	775.98	777.19	778.44	777.40	777.55	778.35	778.55	783.69	783.93	784.09

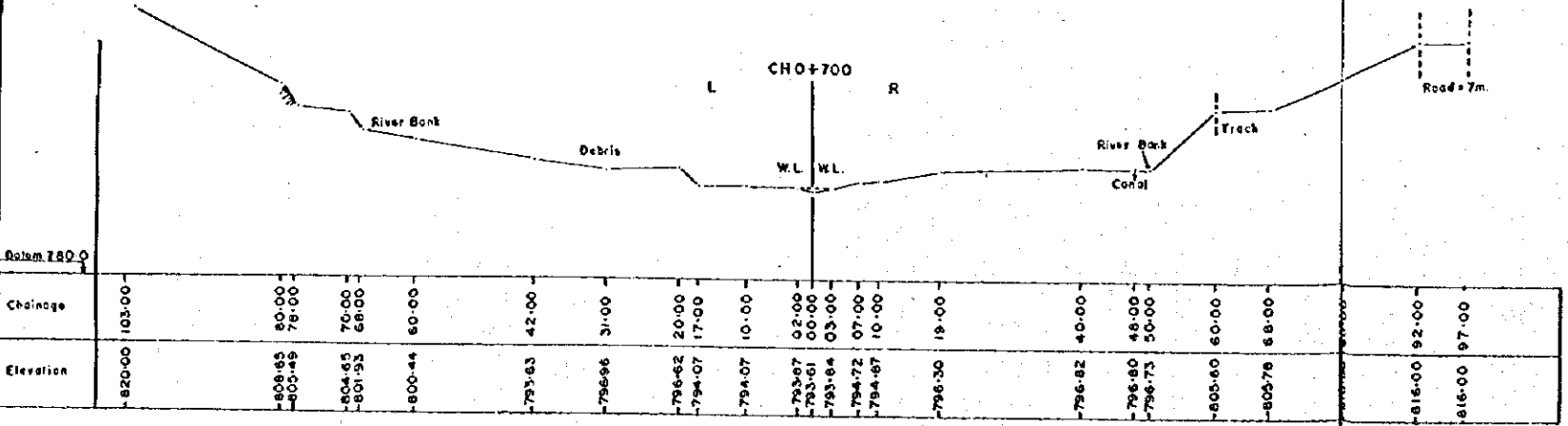
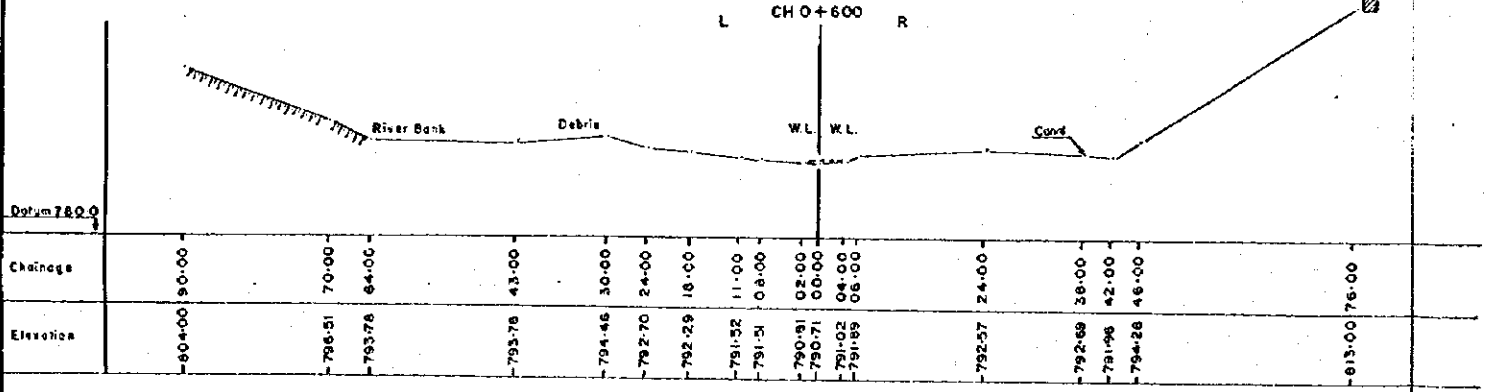
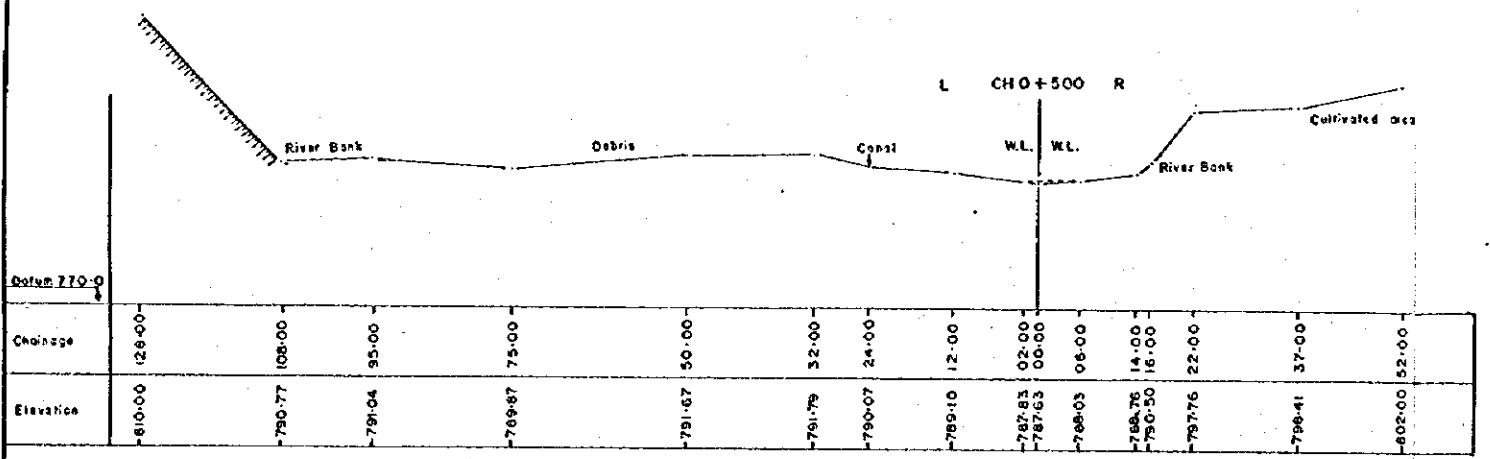
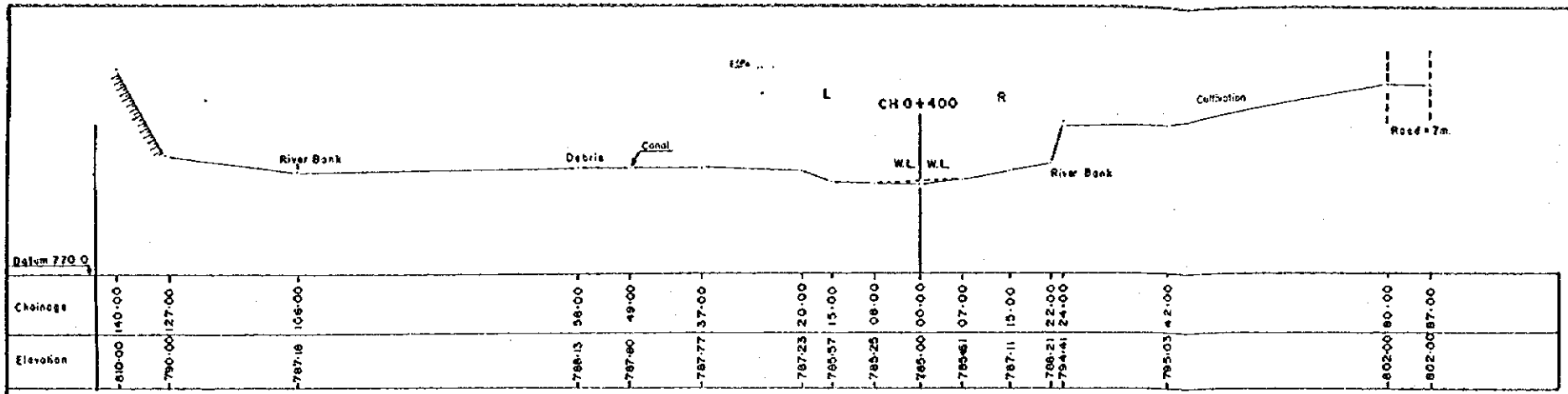


Chainage	781.40	780.33	781.00	781.35	780.70	780.55	778.95	779.34	778.67	778.05	778.84	778.11	779.59	781.41	782.03	783.00	783.99	785.00	790.99
Elevation	781.40	780.33	781.00	781.35	780.70	780.55	778.95	779.34	778.67	778.05	778.84	778.11	779.59	781.41	782.03	783.00	783.99	785.00	790.99

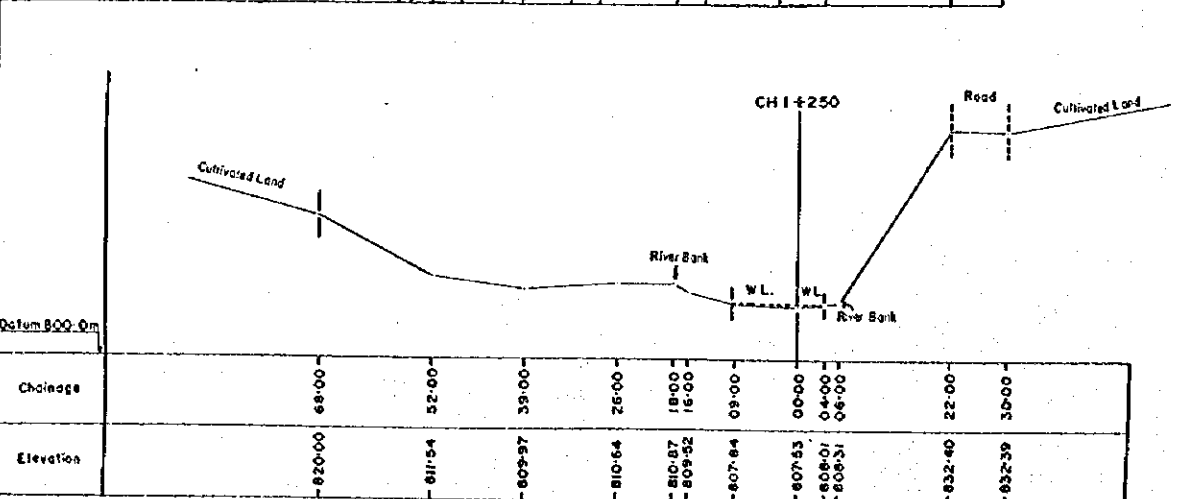
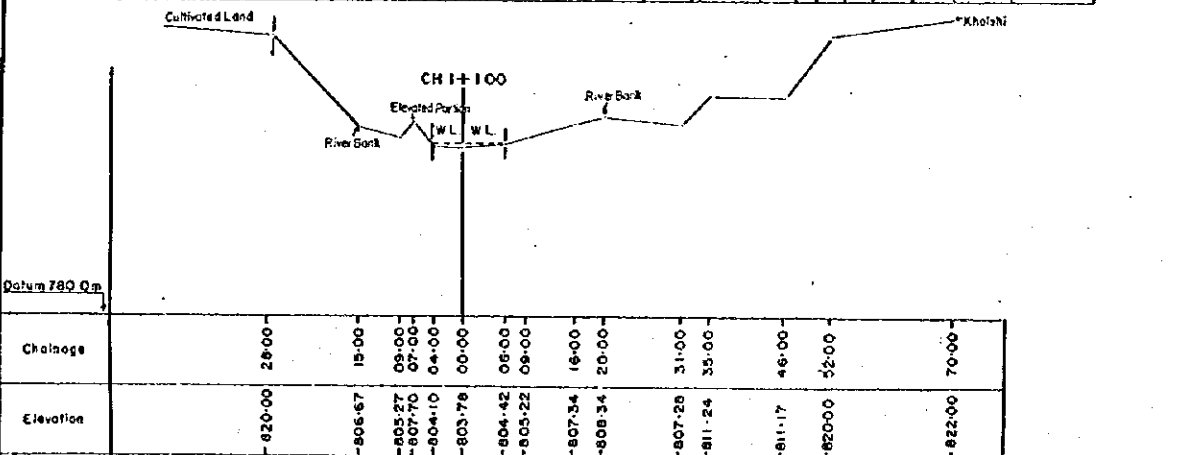
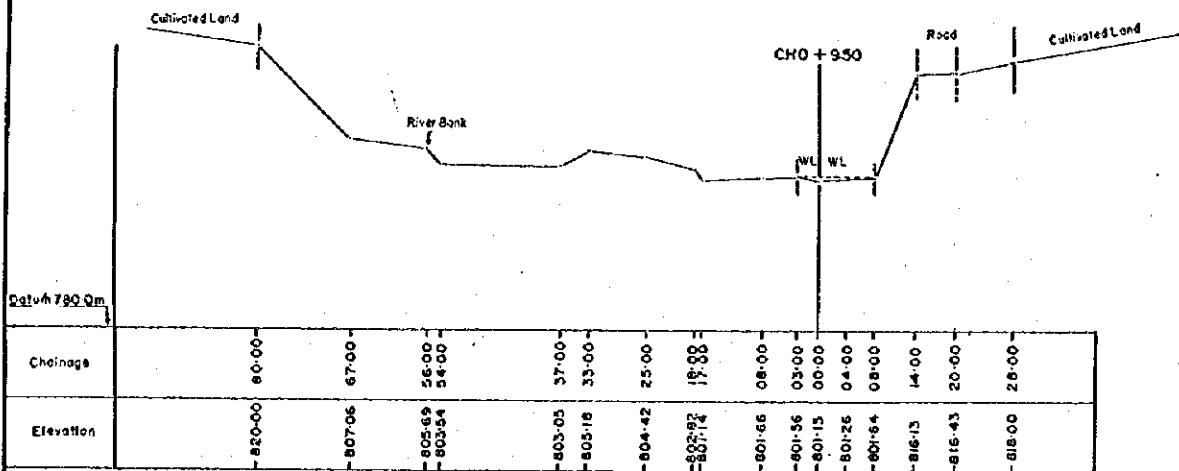
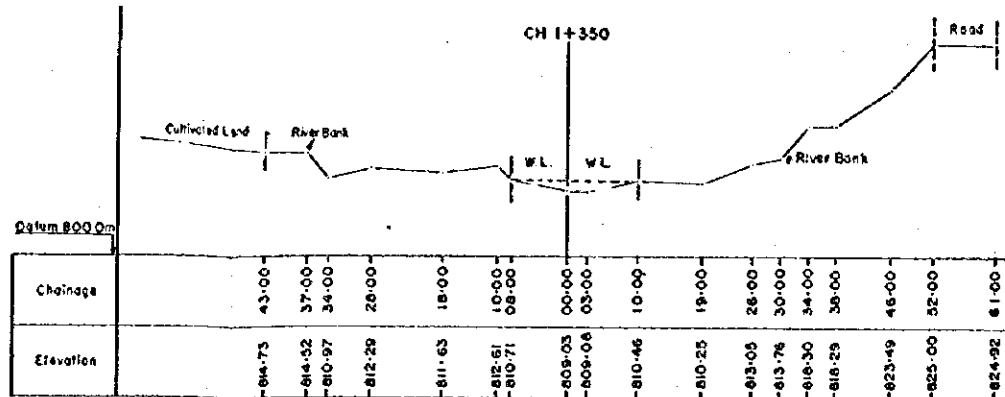
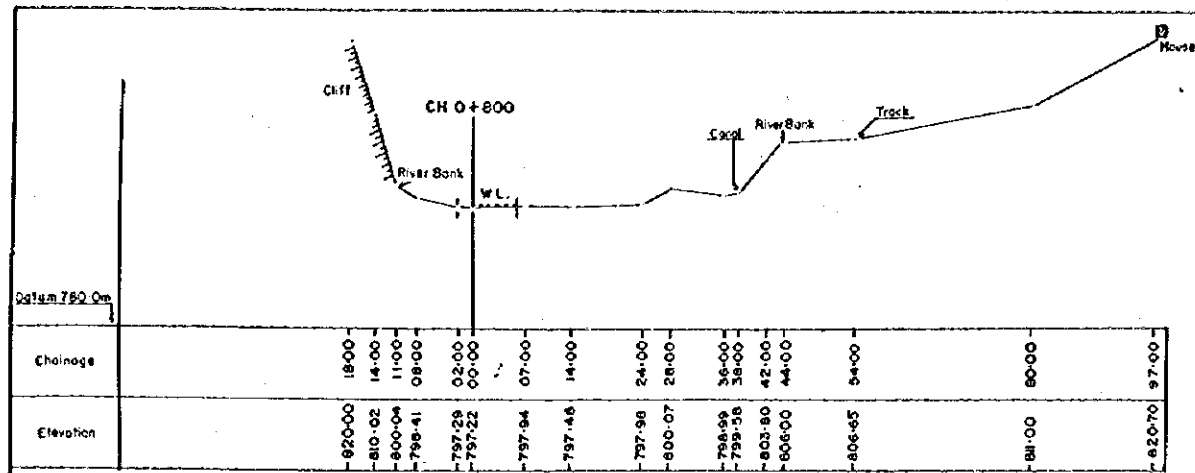


Chainage	800.00	121.00	106.00	84.00	52.00	35.00	16.00	07.00	03.00	00.00	04.00	16.00	20.00	26.00	29.00	31.00	84.00	91.00
Elevation	800.00	787.47	783.83	784.12	785.00	784.20	783.21	782.12	780.30	781.37	781.78	782.04	784.88	785.60	787.61	788.55	803.00	803.00

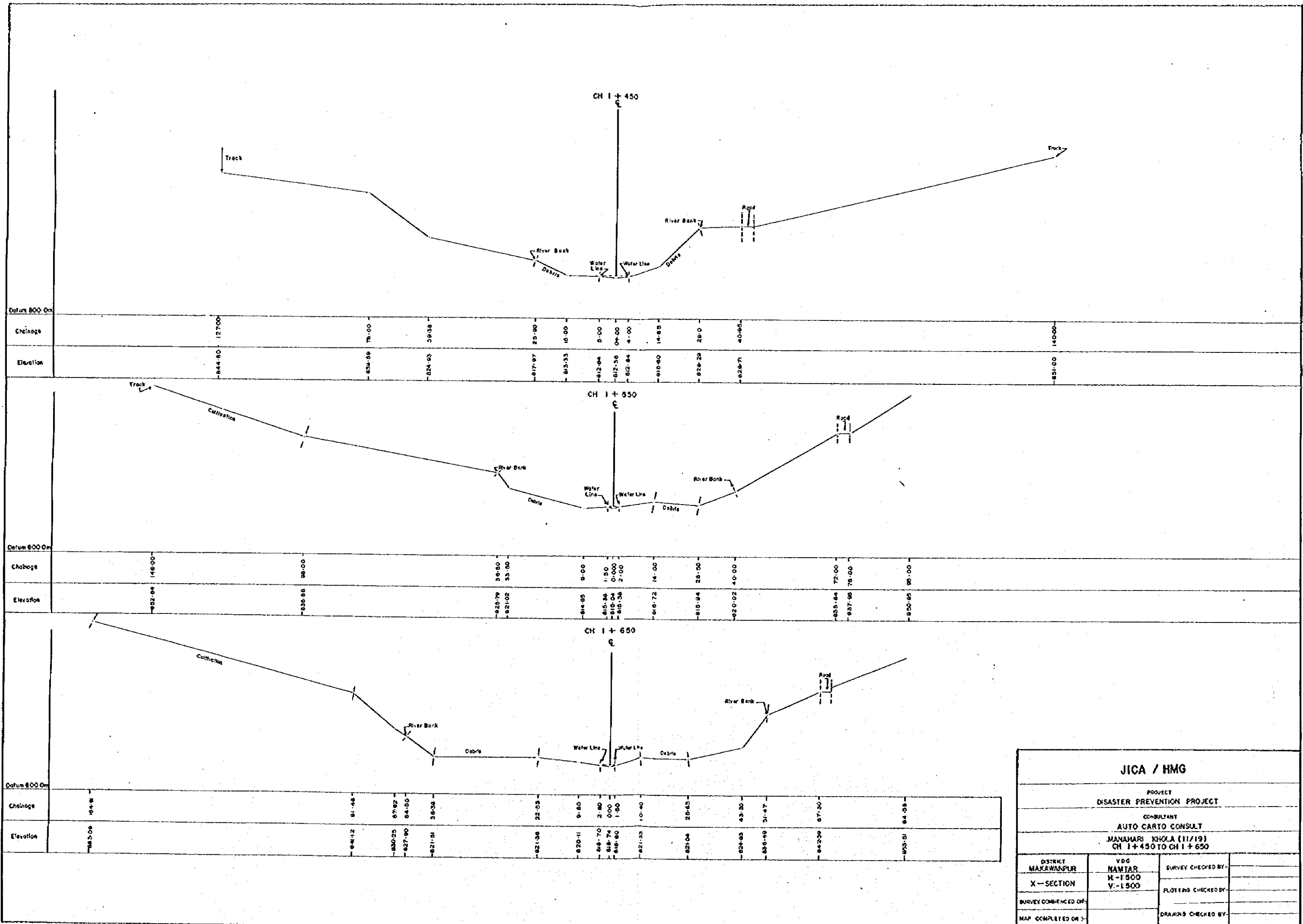
JICA / HMG		
PROJECT DISASTER PREVENTION PROJECT		
CONSULTANT AUTO CARTO CONSULT		
MANAHARI KHOLA (8/19) CHO+000 TO CHO+300		
DISTRICT MAKAWANPUR	VDC NANTAR	SURVEY CHECKED BY:-
X-SECTION	H:- 1:500 V:- 1:500	PLOTTING CHECKED BY:-
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-
MAP COMPLETED ON:-		



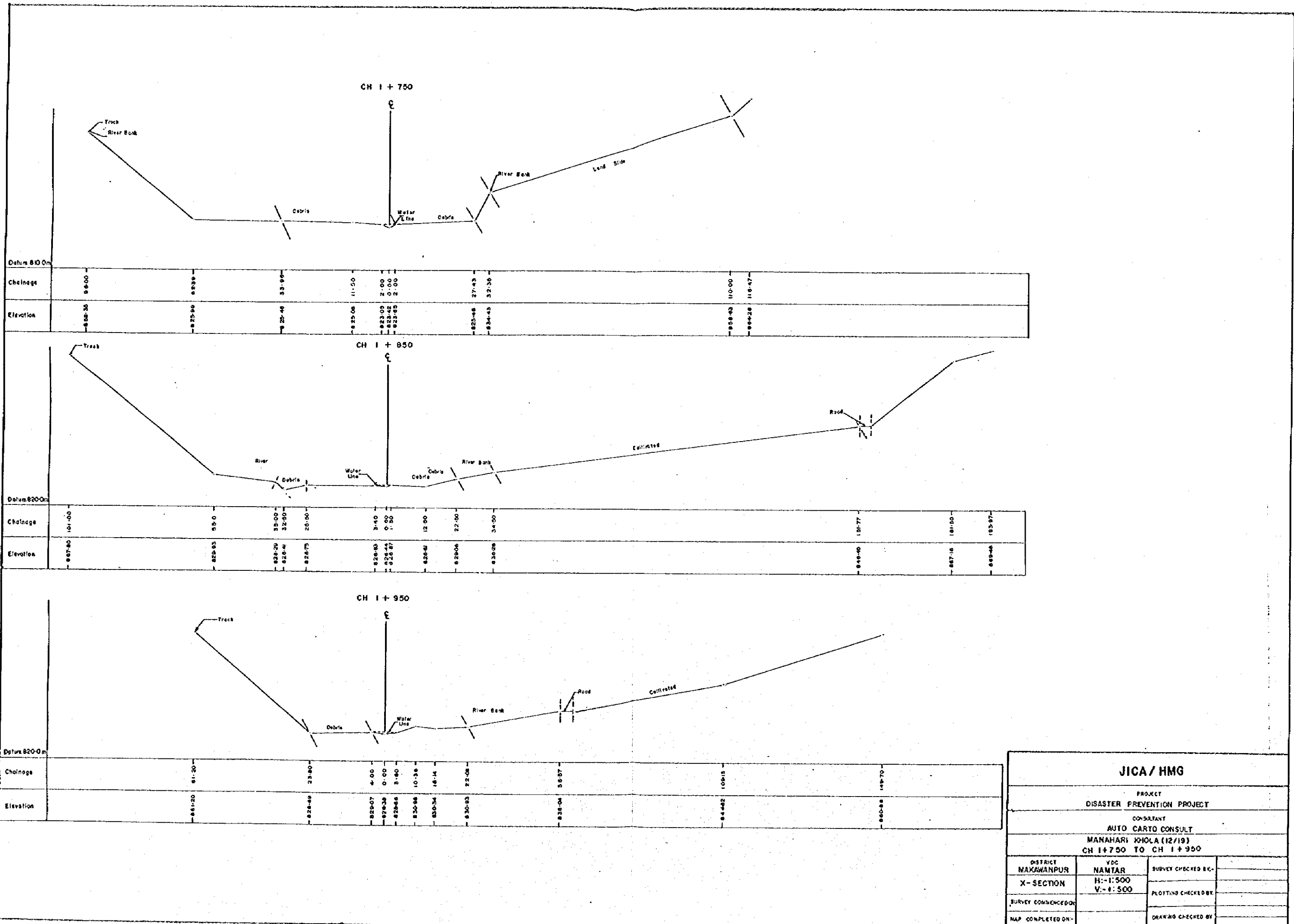
JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
MANAHARI KHOLA (9/19) CH0+400 TO CH0+700			
DISTRICT MAKANANPUR	VDC NAMTAR	SURVEY CHECKED BY:-	
X - SECTION	H- 1:500 V- 1:500	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-	
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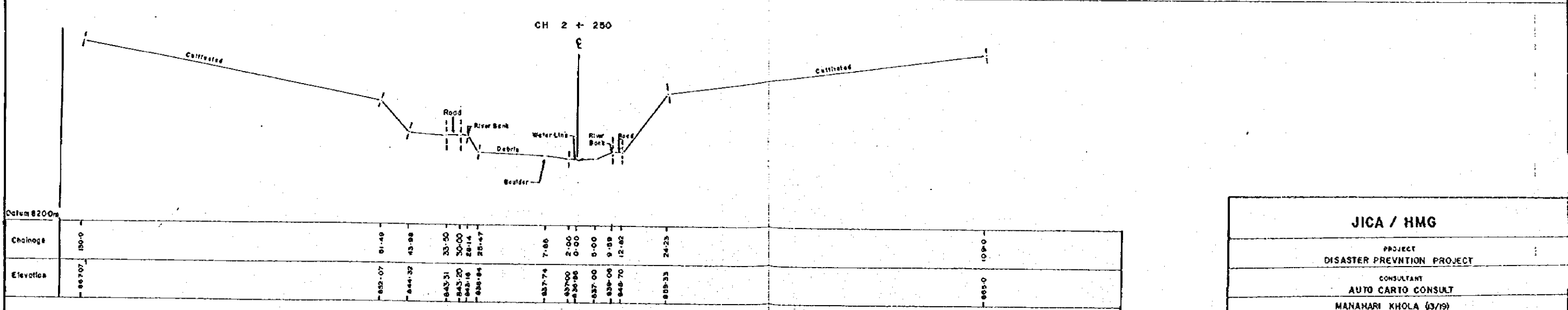
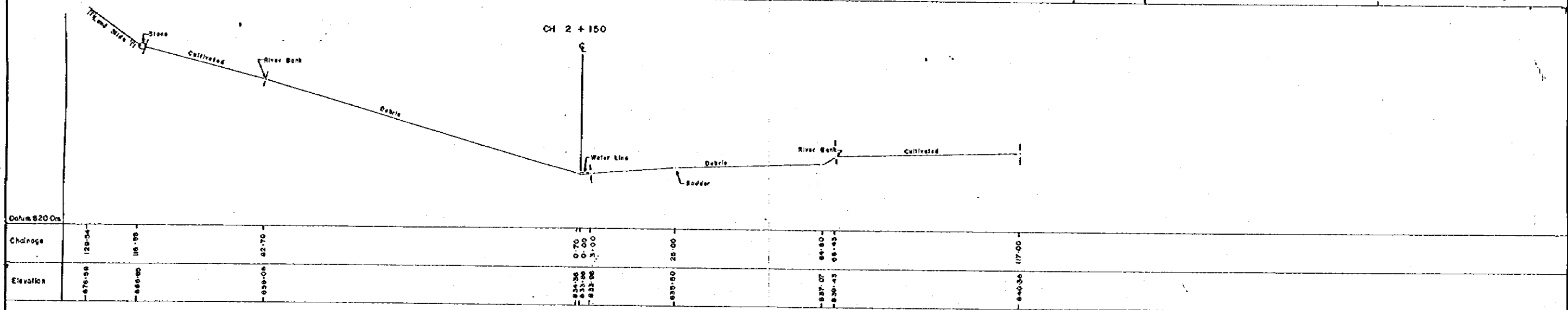
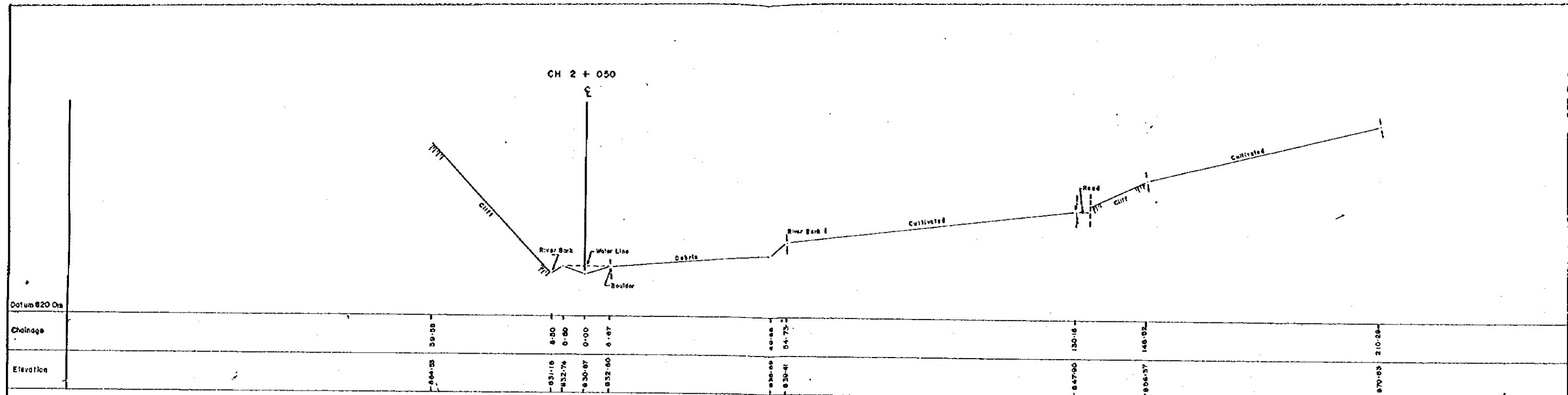
JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
MANAHARI KHOLA (10/19) CH0+800 TO CH1+350			
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:-	
X-SECTION	H:-1500 V:-1500	PLOTTING CHECKED BY:-	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			



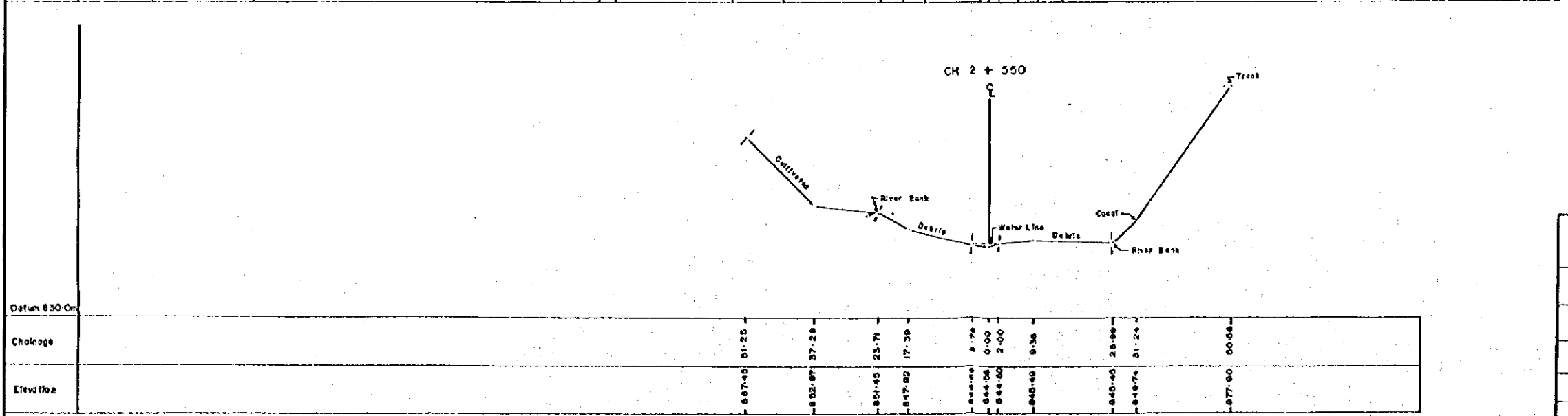
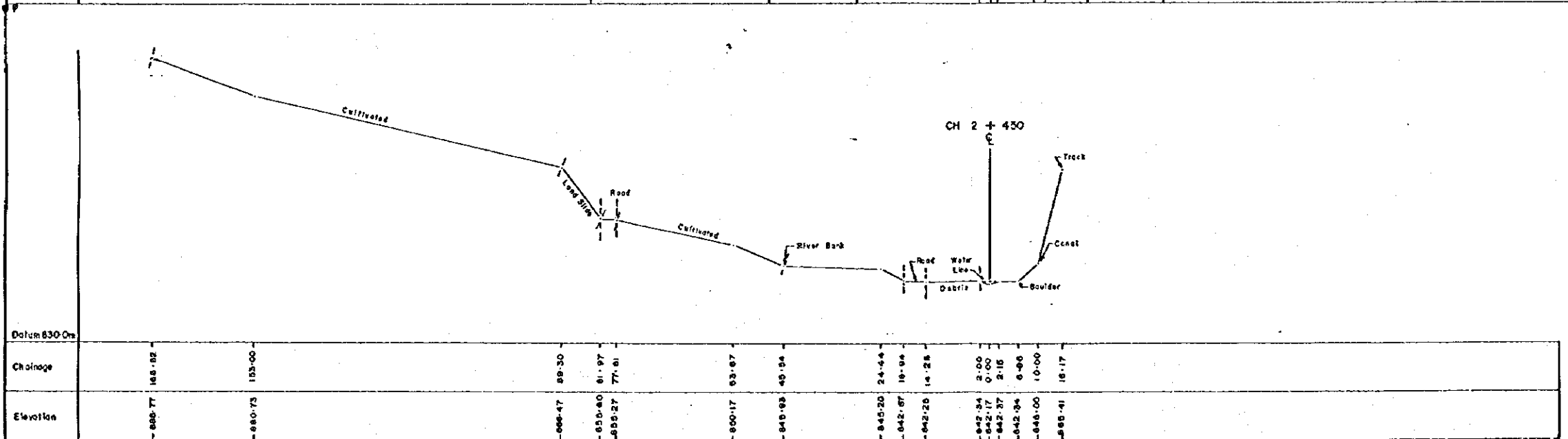
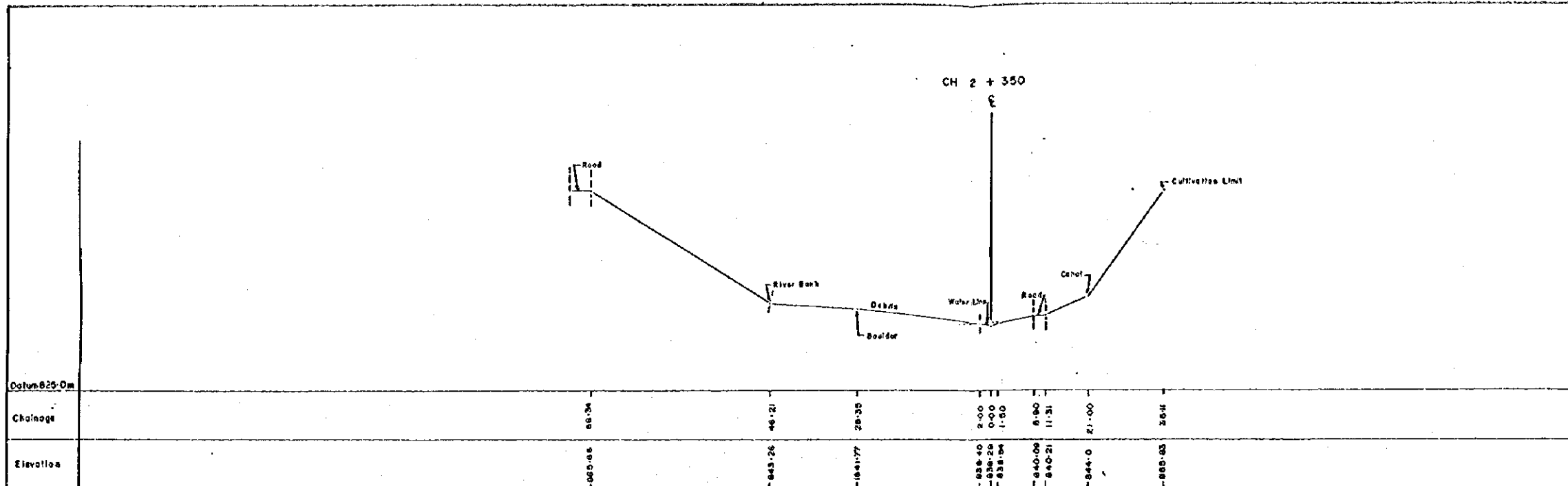
JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
MANAHARI KHOLA (11/19) CH 1+450 TO CH 1+650			
DISTRICT MAXWANPUR	VDC NAMTAR	SURVEY CHECKED BY:	
X-SECTION	H-1:500 V-1:500	PLOTTING CHECKED BY:	
SURVEY COMPLETED ON:		DRAWING CHECKED BY:	
MAP COMPLETED ON:			



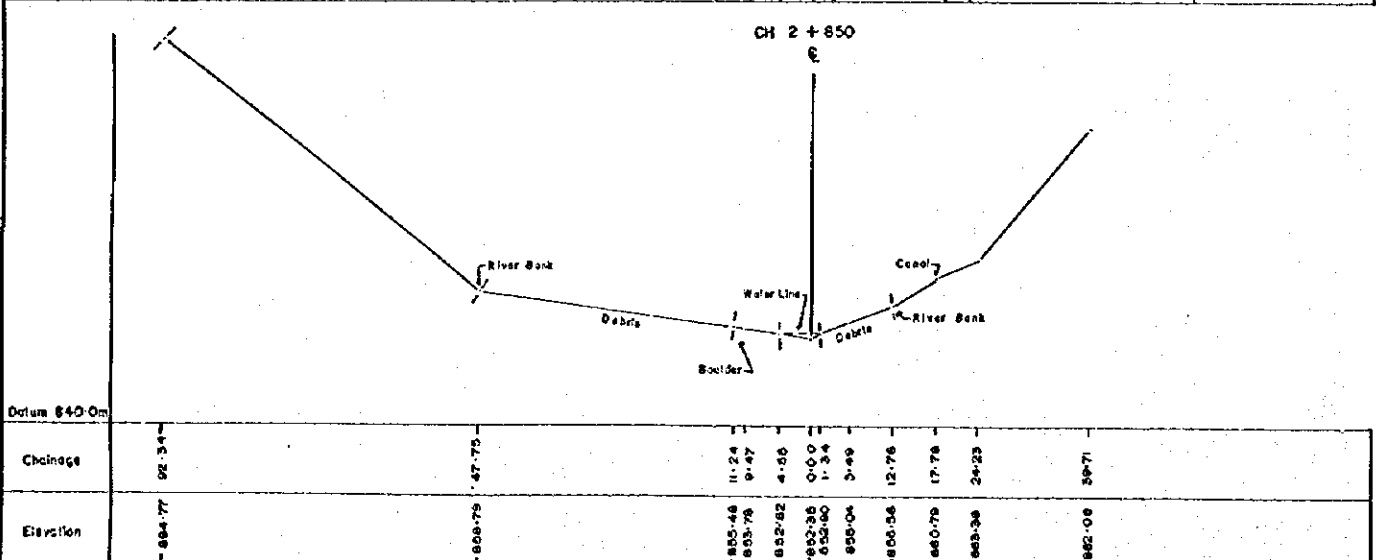
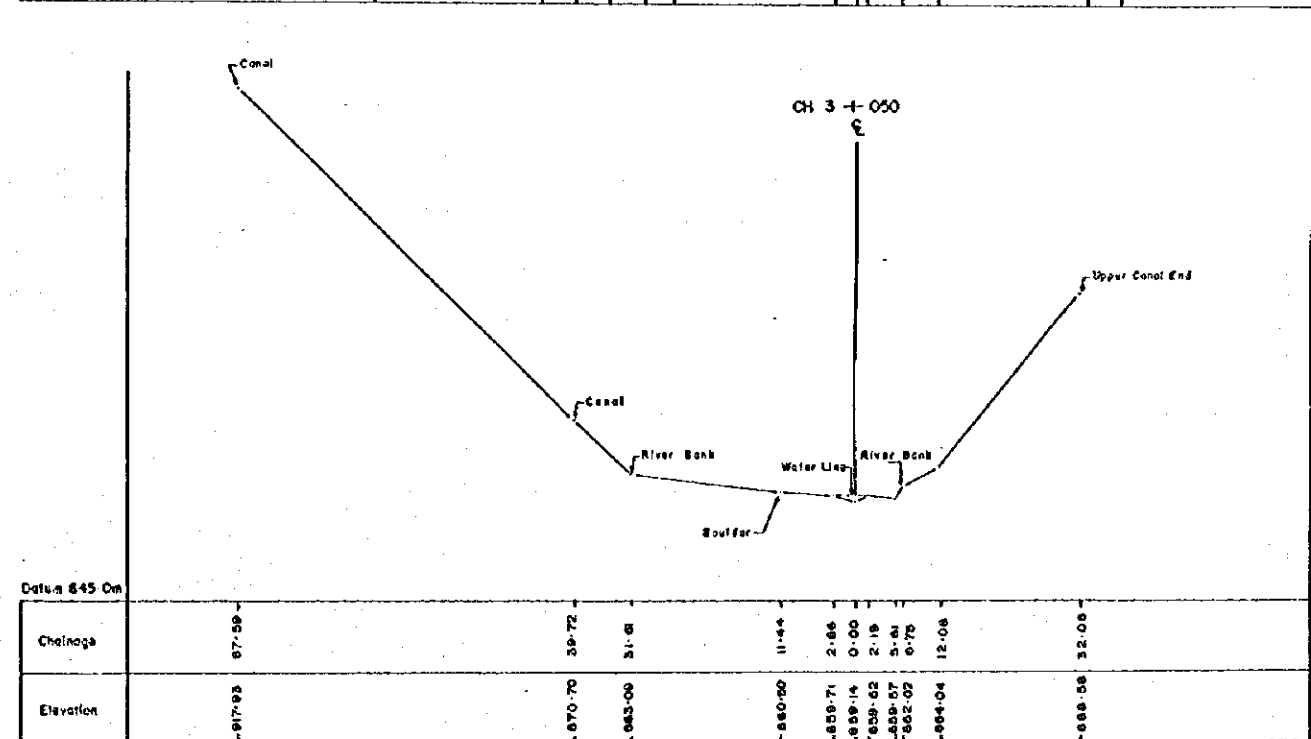
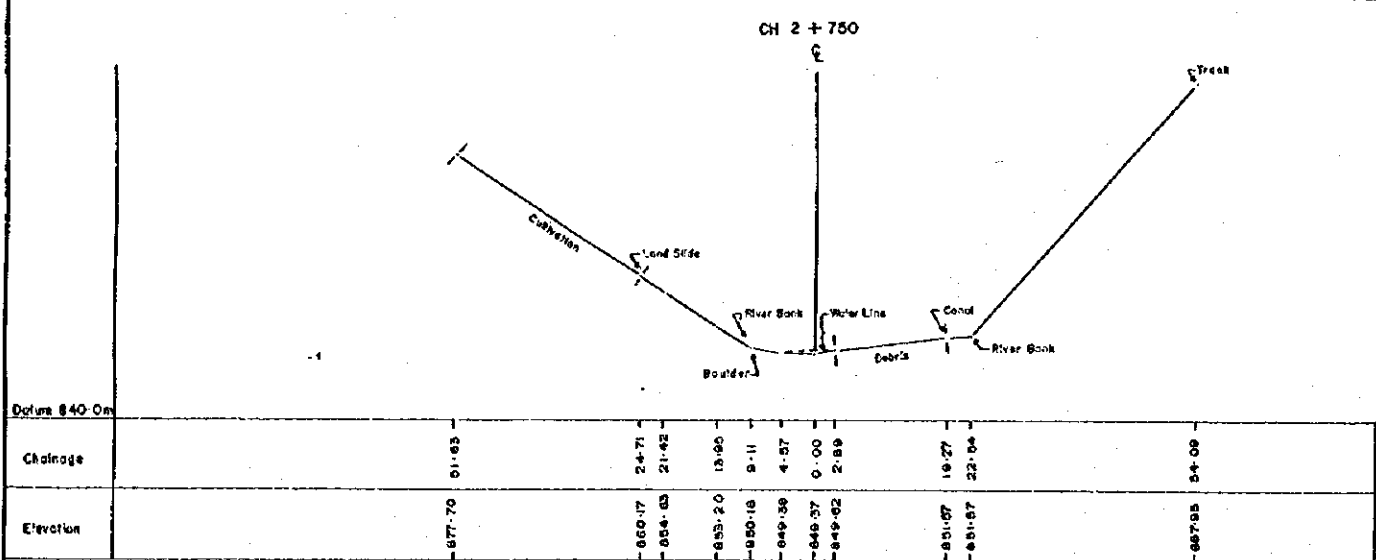
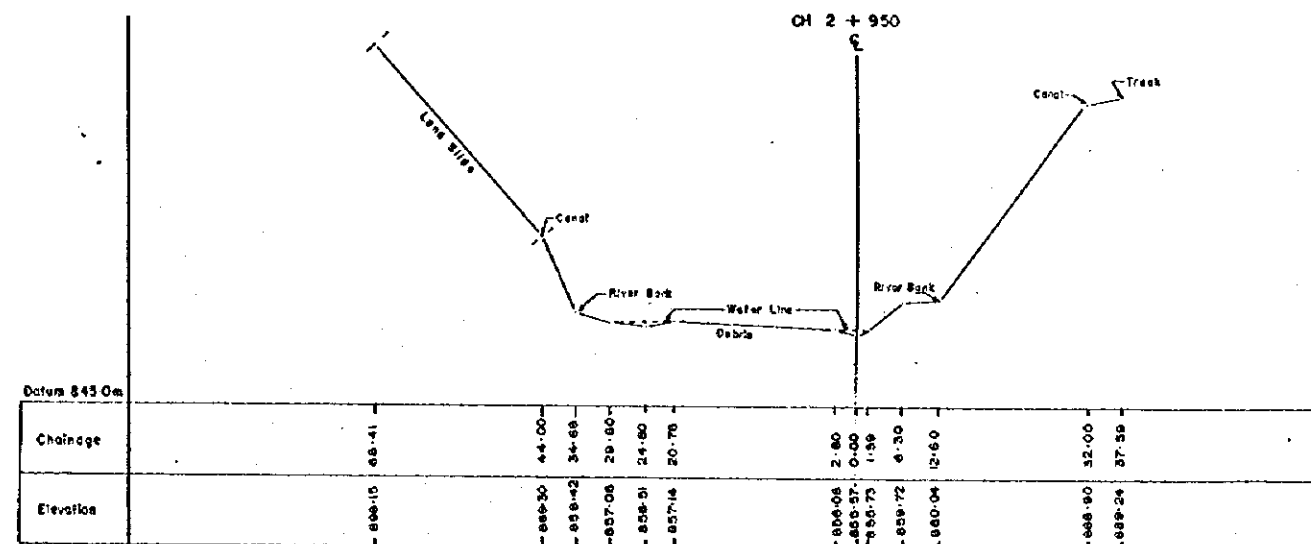
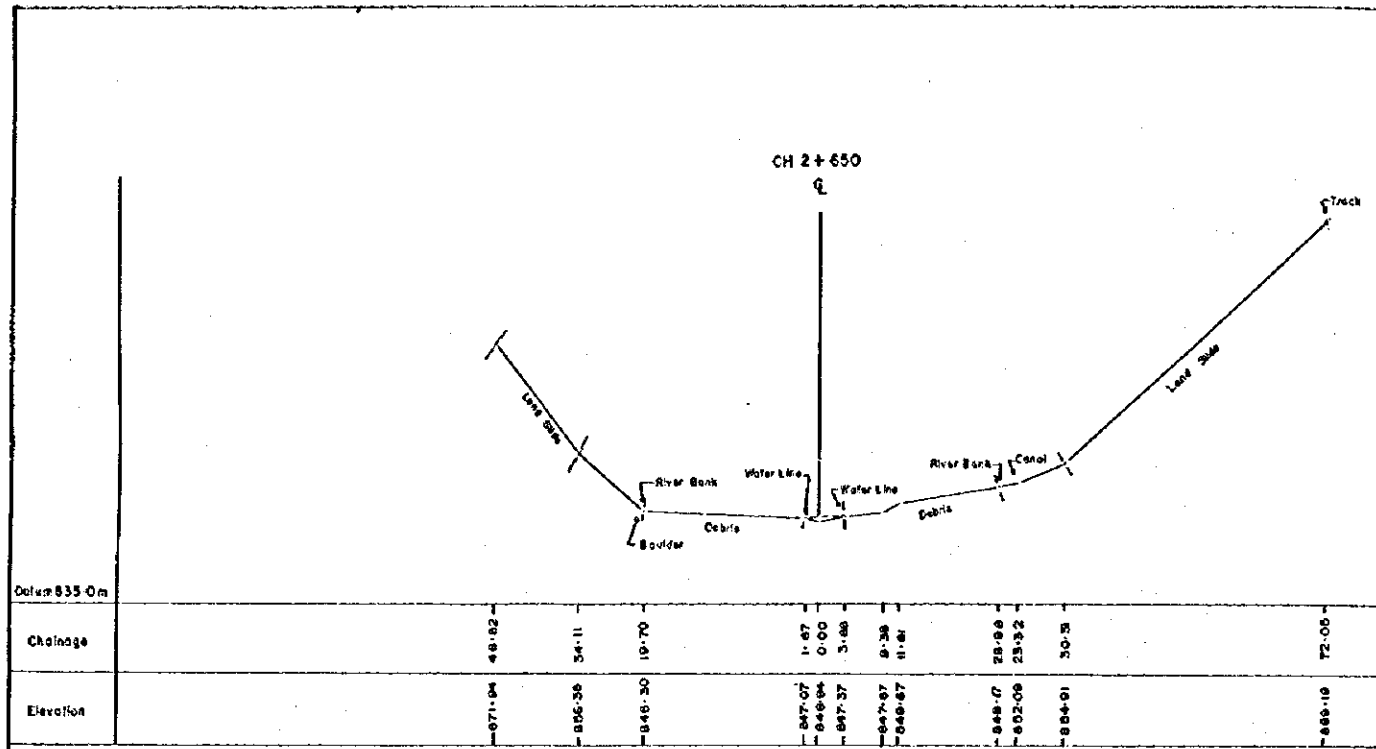
JICA / HMG		
PROJECT DISASTER PREVENTION PROJECT		
CONSULTANT AUTO CARTO CONSULT		
MANAHARI KHOLA (12/19) CH 1+750 TO CH 1+950		
DISTRICT MAXAWANPUR	VDC NAMTAR	SURVEY CHECKED BY
X-SECTION	H:- 1:500 V:- 4:500	PLOTTING CHECKED BY
SURVEY COMMENCED ON		
MAP COMPLETED ON		DRAWING CHECKED BY



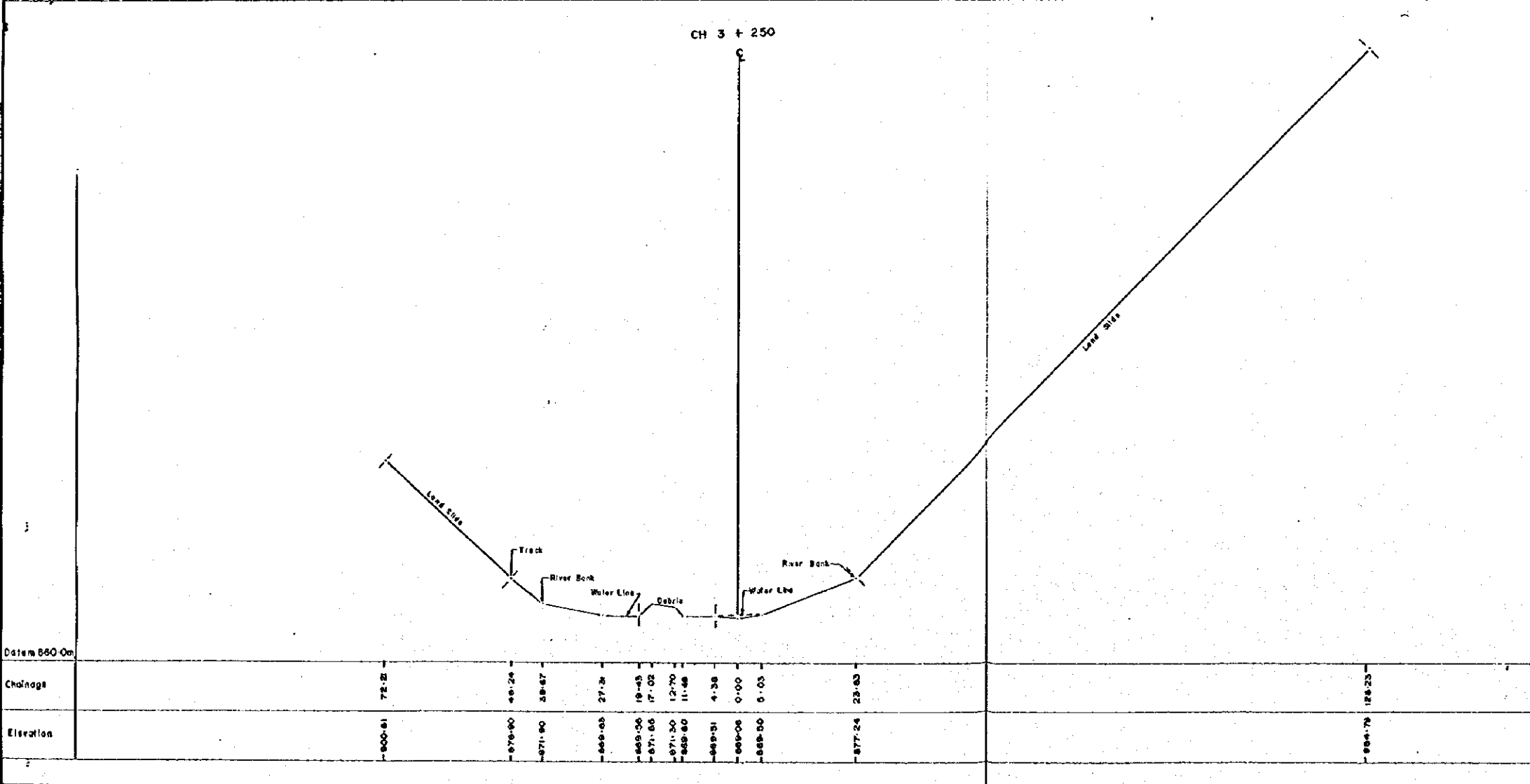
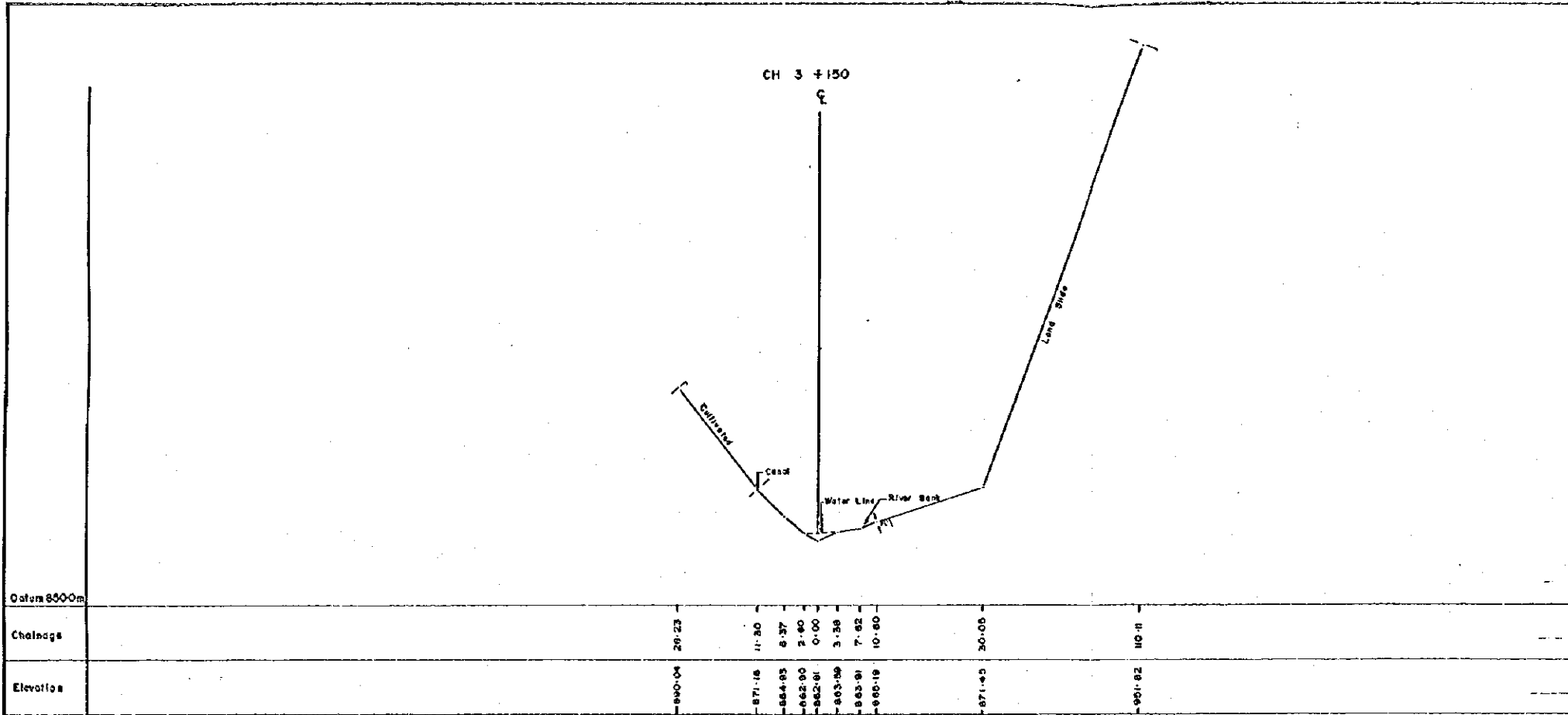
JICA / HMG		
PROJECT DISASTER PREVENTION PROJECT		
CONSULTANT AUTO CARTO CONSULT		
MANAHARI KHOLA (3/19) CH 2+050 TO CH 2+250		
DISTRICT MAKHAHPUR	VDC NAMTAR	SURVEY CHECKED BY:
X - SECTION	H:- 1:500 V:- 1:500	PLOTTING CHECKED BY:
SURVEY COMMENCED ON:		DRAWING CHECKED BY:
MAP COMPLETED ON:		



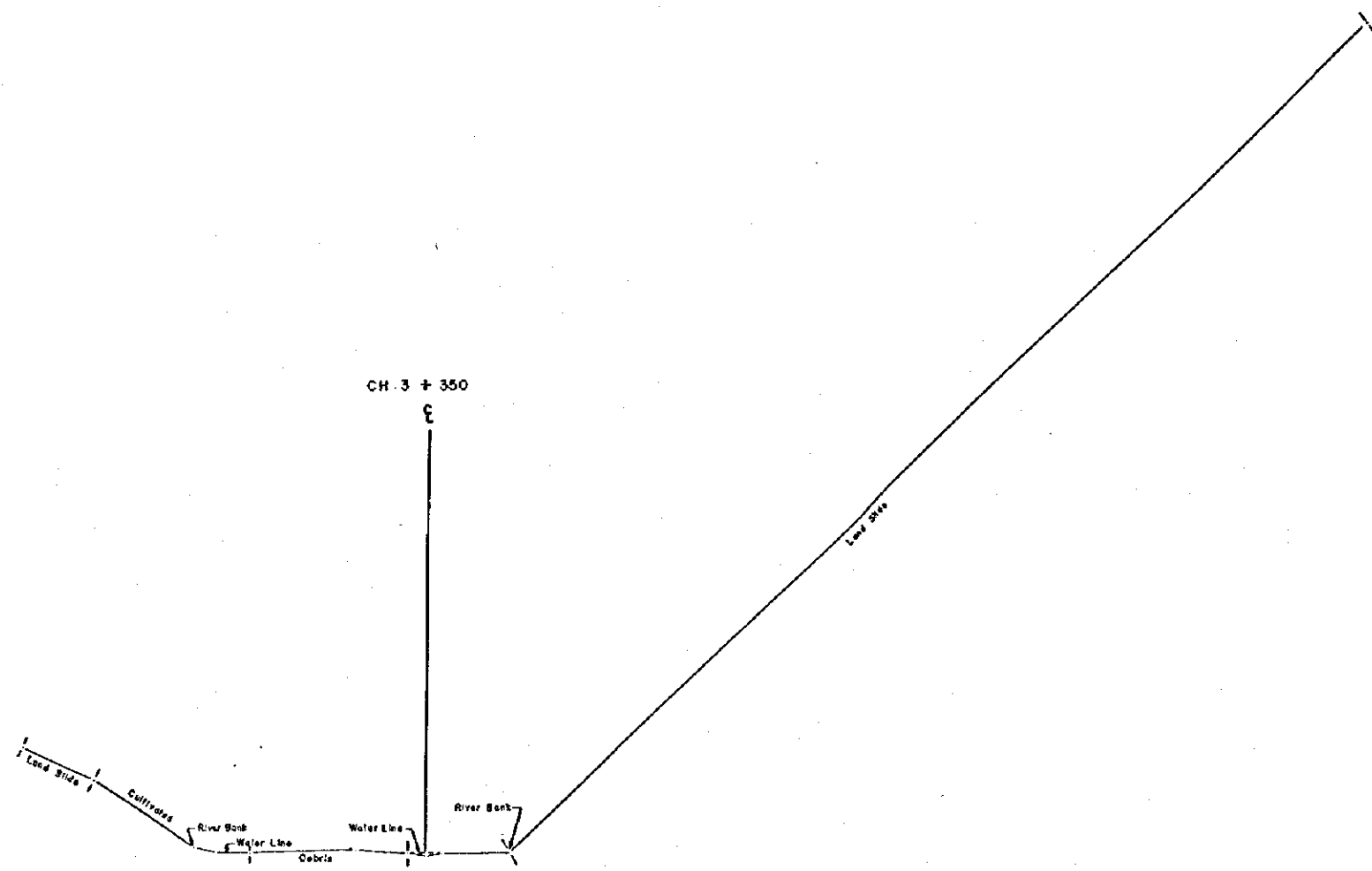
JICA / HMG		
PROJECT DISASTER PREVENTION PROJECT		
CONSULTANT AUTO CARTO CONSULT		
MANAHARI KHOLA(14/19) CH 2+350 TO CH 2+550		
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY
X - SECTION	N:- 1:500 V:- 1:500	PLOTTING CHECKED BY
SURVEY COMMENCED ON:-		DRAWING CHECKED BY
MAP COMPLETED ON:-		



JICA / HMG		
PROJECT DISASTER PREVENTION PROJECT		
CONSULTANT AUTO CARTO CONSULT		
MANAHARI KHOLA (15/19) CH 2+650 TO CH 3+050		
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:-
X-SECTION	H-1500 V-1500	PLOTTING CHECKED BY:-
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-
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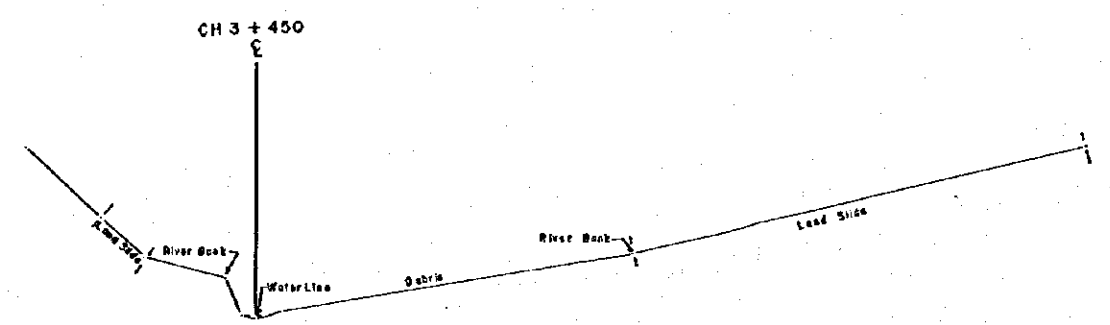


JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
MANAHARI KHOLA (16/19) CH 3+150 TO CH 3+250			
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:	
X - SECTION	H:- 1:500 V:- 1:500	PLOTTING CHECKED BY:	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:	
MAP COMPLETED ON:-			



Datum 690.0m

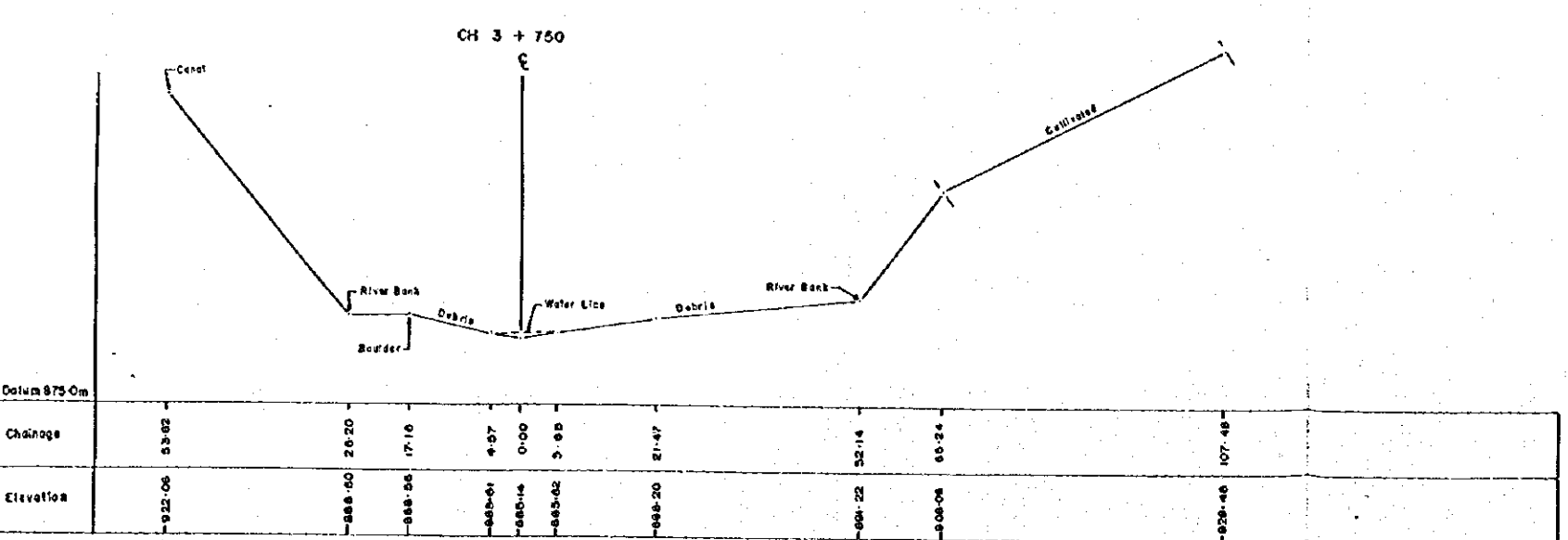
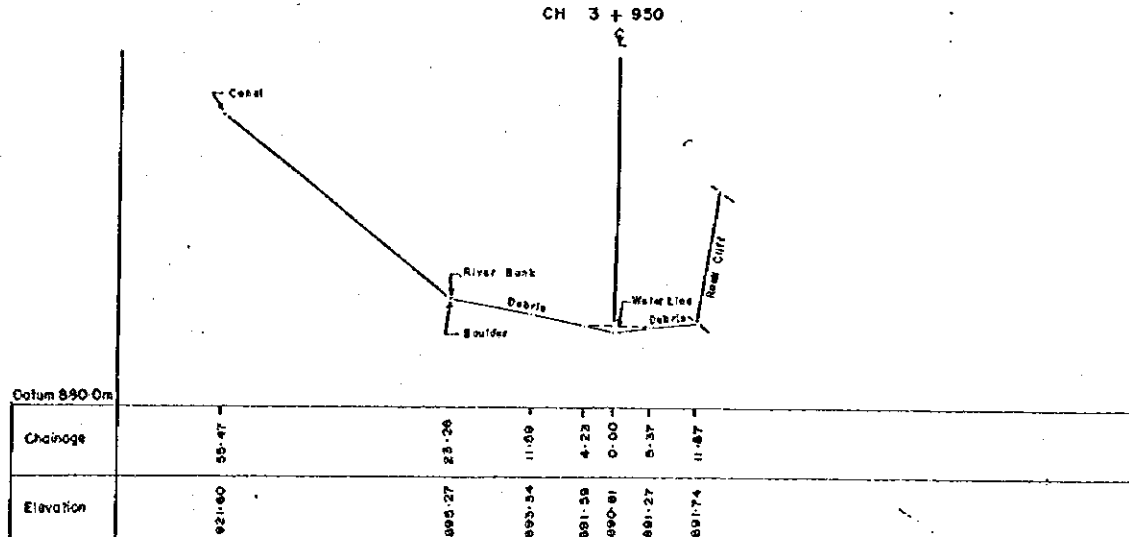
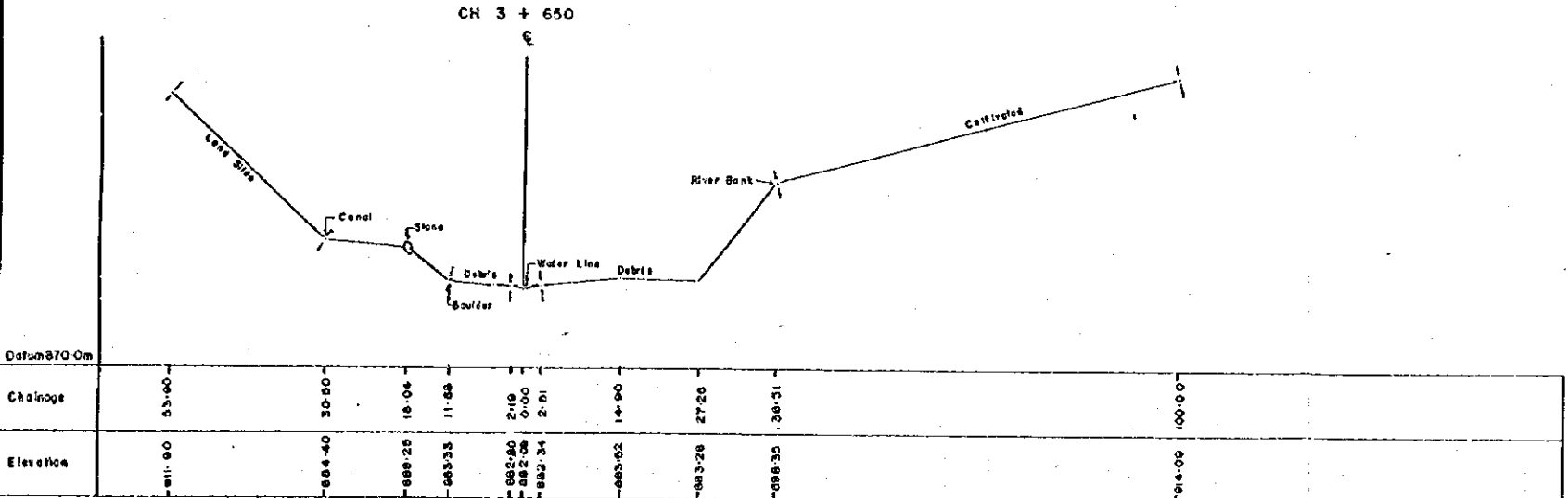
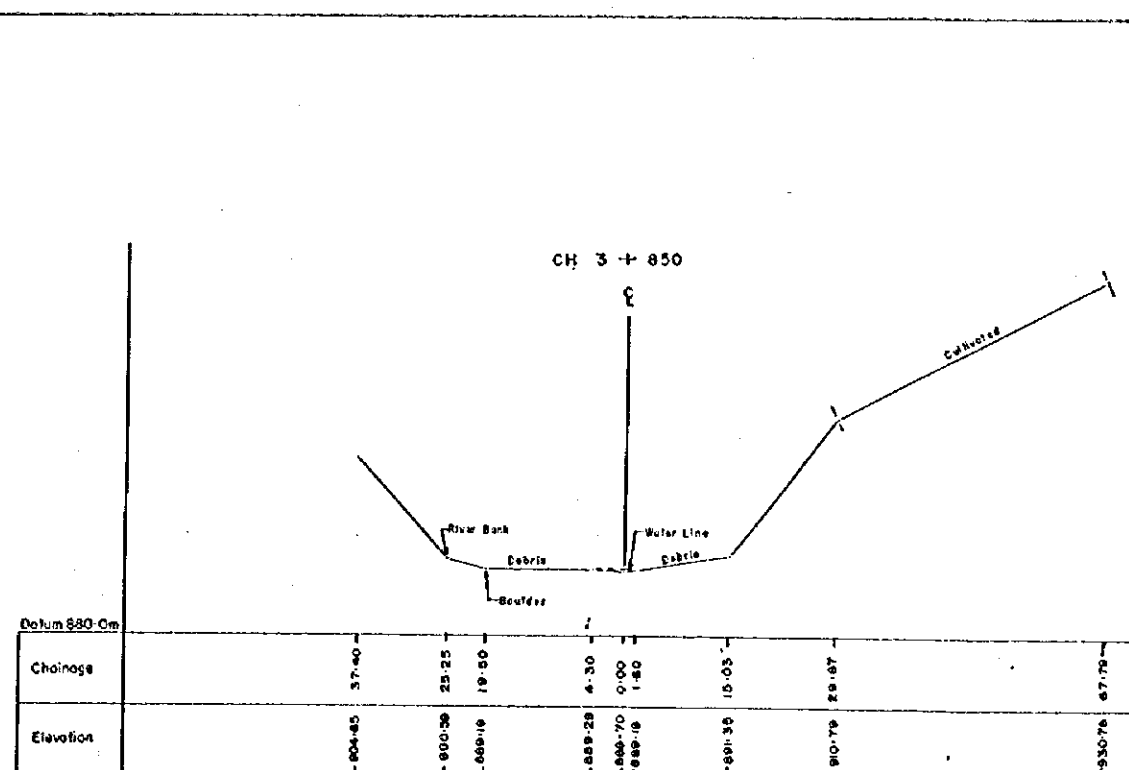
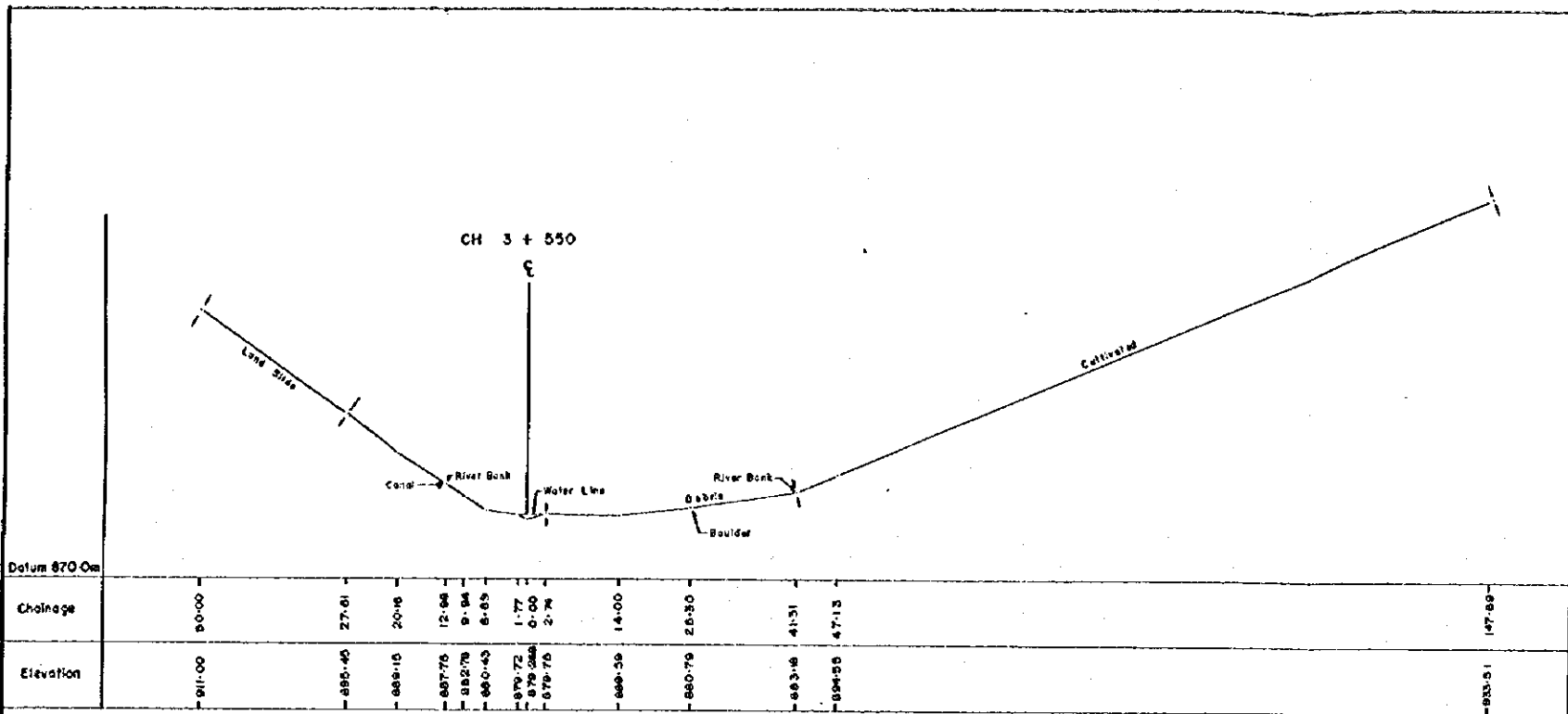
Chainage	65.02	53.96	37.29	34.14	28.18	12.10	2.70	0.00	2.98	13.90	1002.87
Elevation	864.22	879.08	878.22	872.37	872.32	872.82	872.16	871.80	872.16	872.32	1002.87



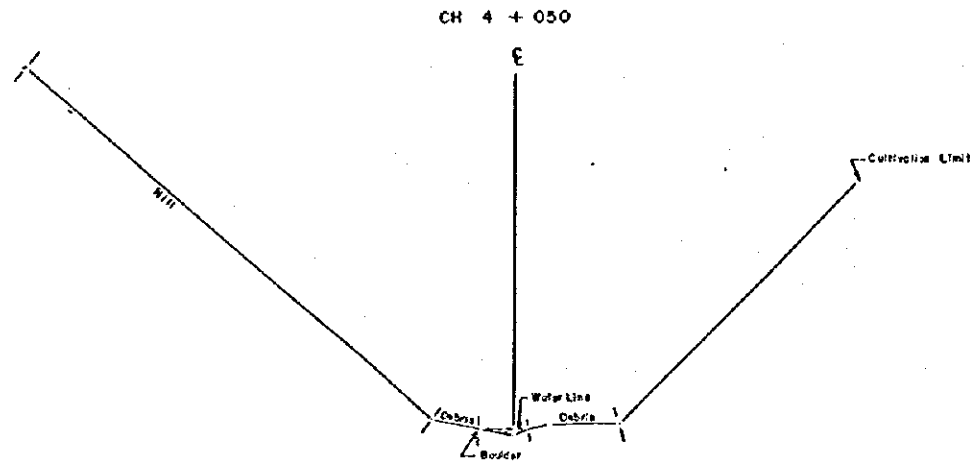
Datum 665.0m

Chainage	32.00	21.77	16.71	4.09	0.00	0.00	0.00	0.00	0.00	93.99	118.57
Elevation	800.00	890.37	884.85	891.92	876.46	876.46	876.46	876.46	877.04	880.45	800.00

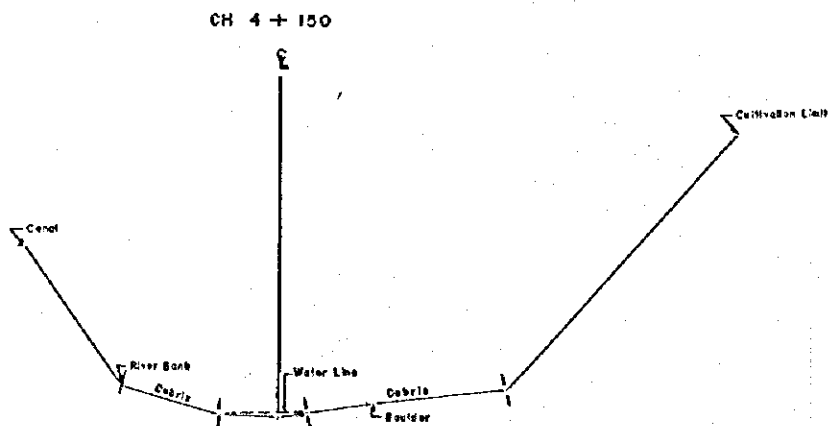
JICA / HMG		
PROJECT DISASTER PREVENTION PROJECT		
CONSULTANT AUTO CARTO CONSULT		
MANAHARI KHOLA (17/19) CH 3 + 350 TO CH 3 + 450		
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:-
X - SECTION	H-1:500 V-1:500	PLOTTING CHECKED BY:-
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-
MAP COMPLETED ON:-		



JICA / HMG		
PROJECT DISASTER PREVENTION PROJECT		
CONSULTANT AUTO CARTO CONSULT		
MANAHARI KHOLA (18/19) CH 3 + 550 TO CH 3 + 950		
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY:-
X - SECTION	H - 1500 V - 1:500	PLOTTING CHECKED BY:-
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-
MAP COMPLETED ON:-		

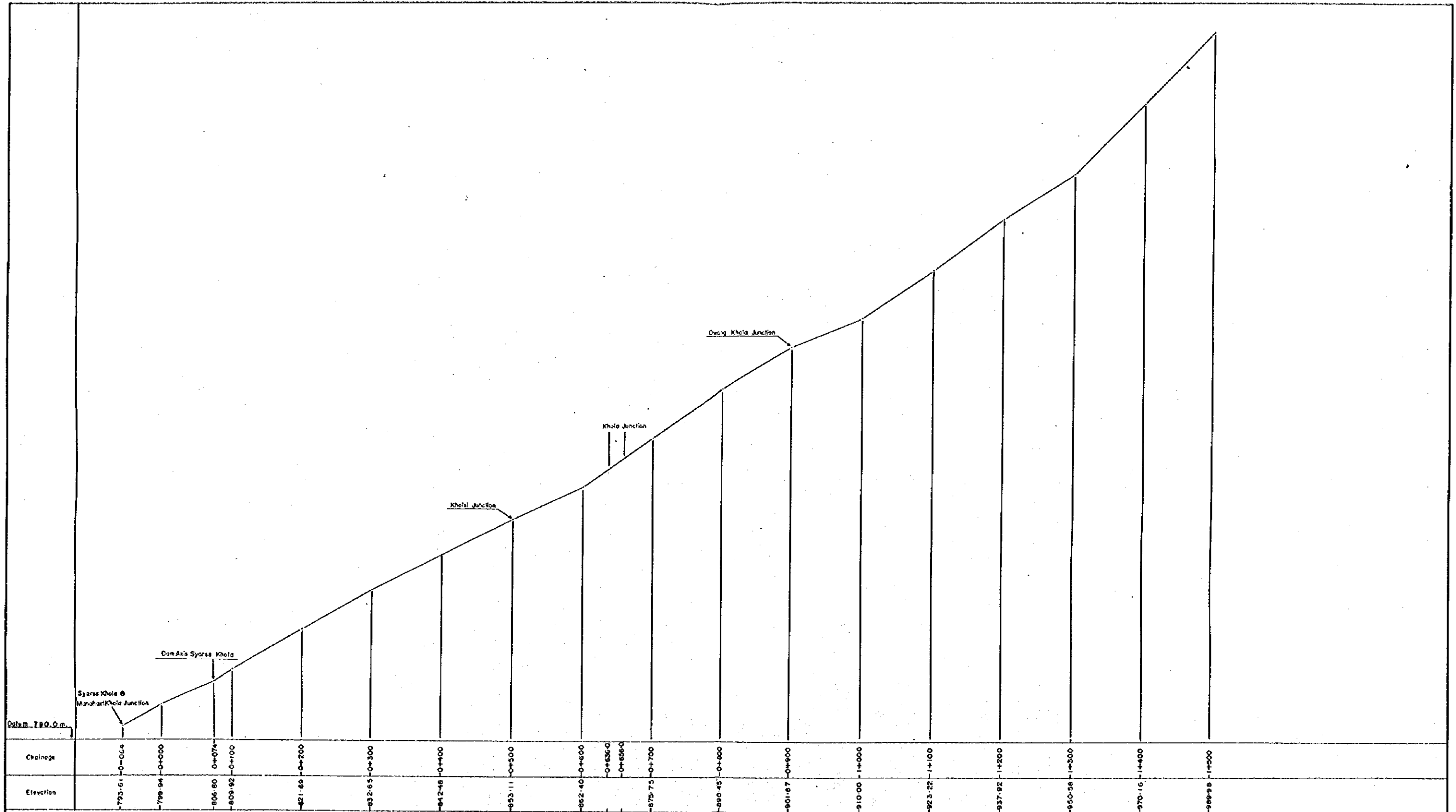


Chainage	09-07	11-07	0-15	0-00	2-00	0-15	13-15	45-07
Elevation	845.14	856.12	854.56	852.85	854.56	853.01	855.35	852.95



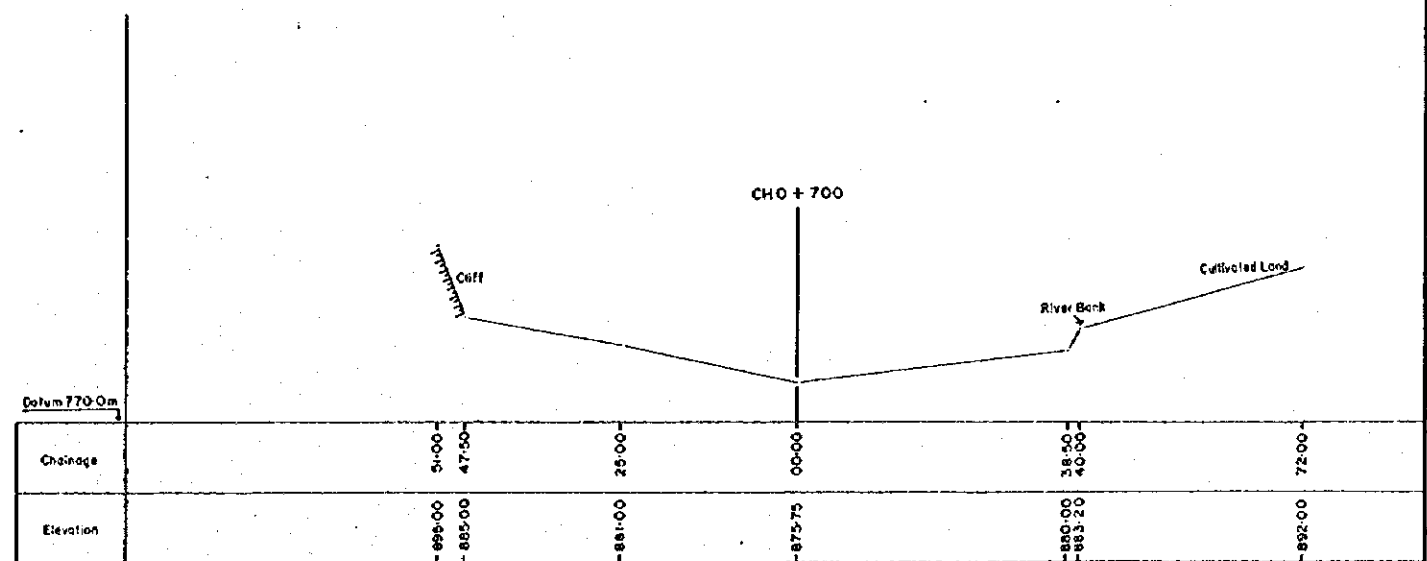
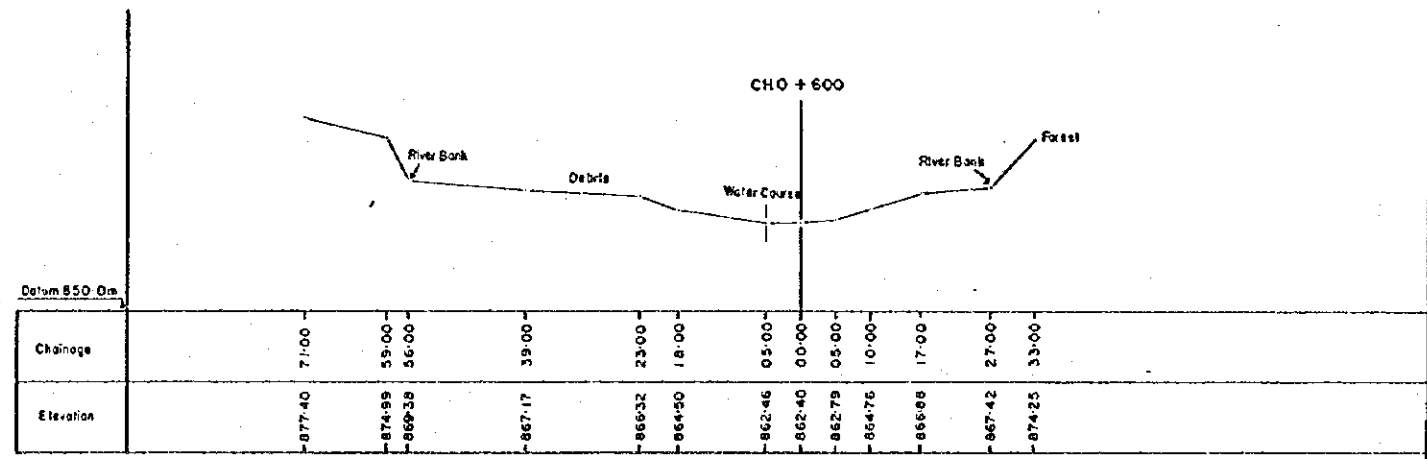
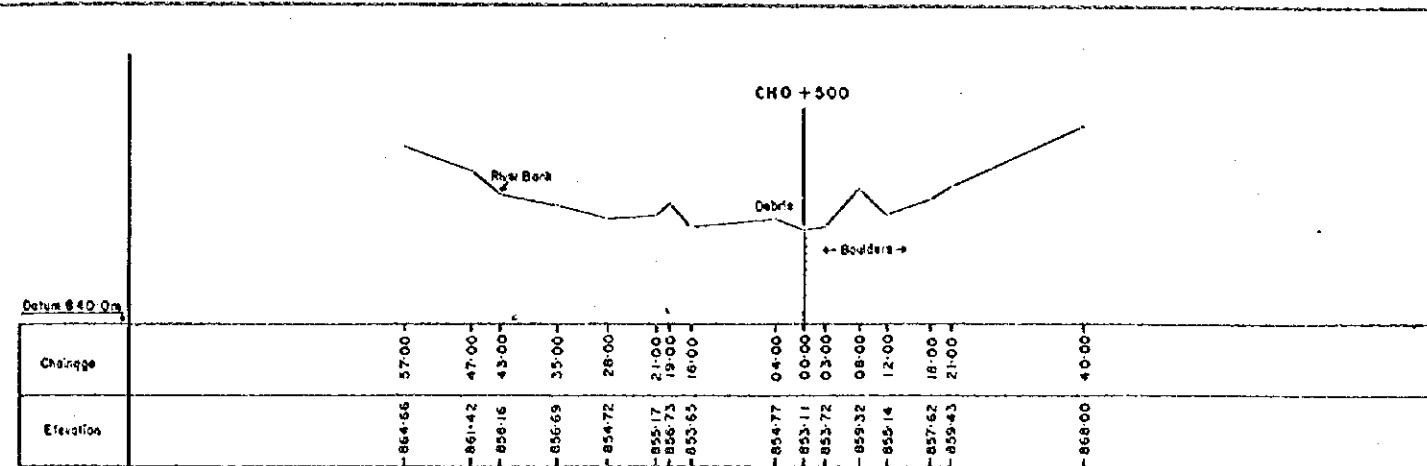
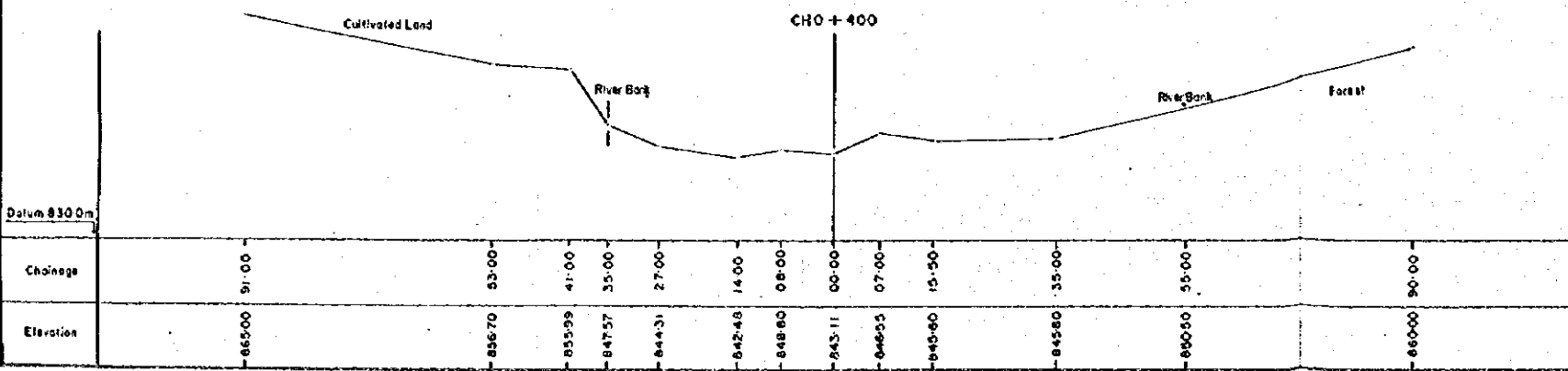
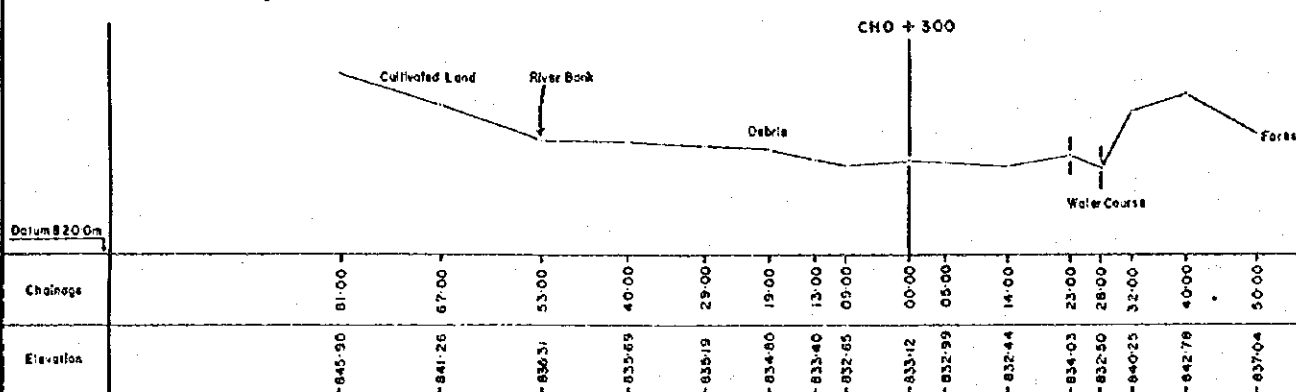
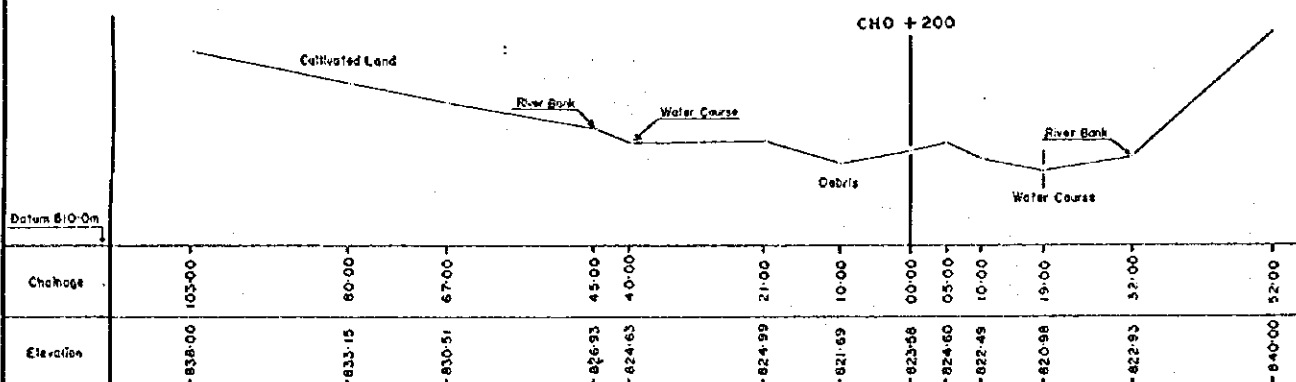
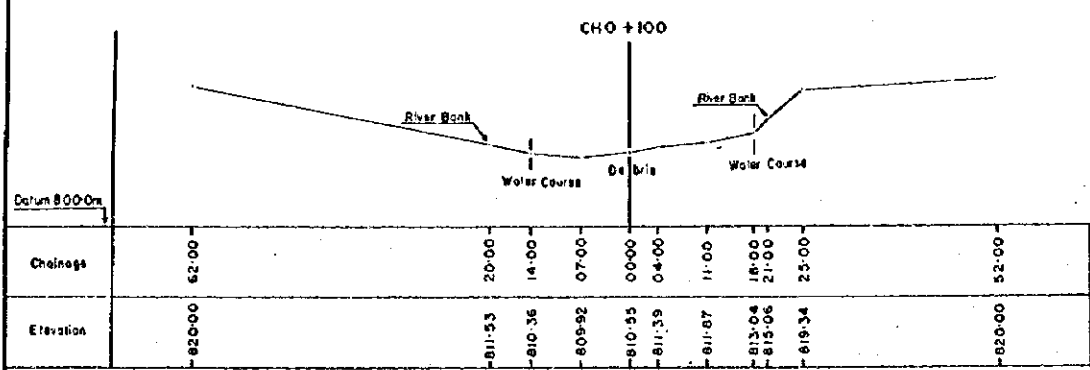
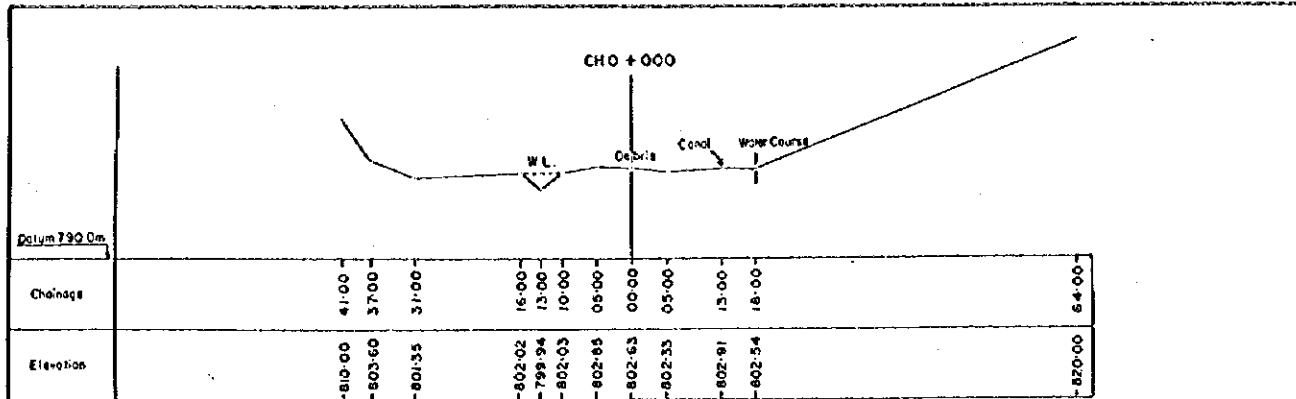
Chainage	36-03	22-78	9-47	0-00	4-00	13-00	22-38	40-40
Elevation	821.26	801.63	887.37	887.38	887.55	888.25	892.04	837.45

JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULT			
MANAHARI KHOLA (19/19) CH 4 + 050 TO CH 4 + 150			
DISTRICT MAKAWANPUR	YDC NAMTAR	SURVEY CHECKED BY:-	
X-SECTION	H=1:500 V=1:500	PLOTING CHECKED BY:-	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-	
MAP COMPLETED ON:-			

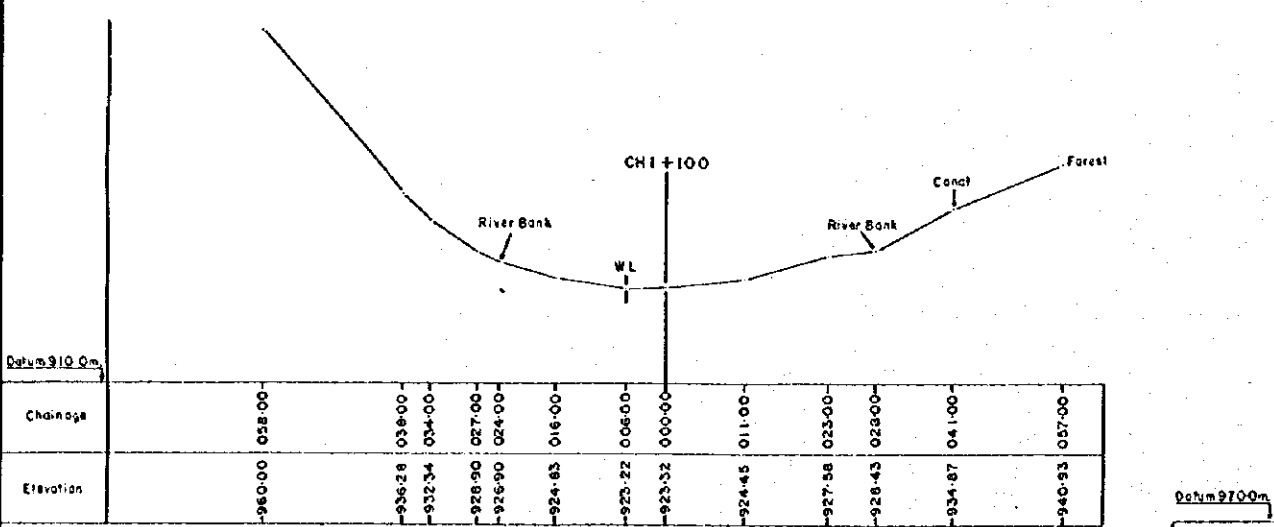
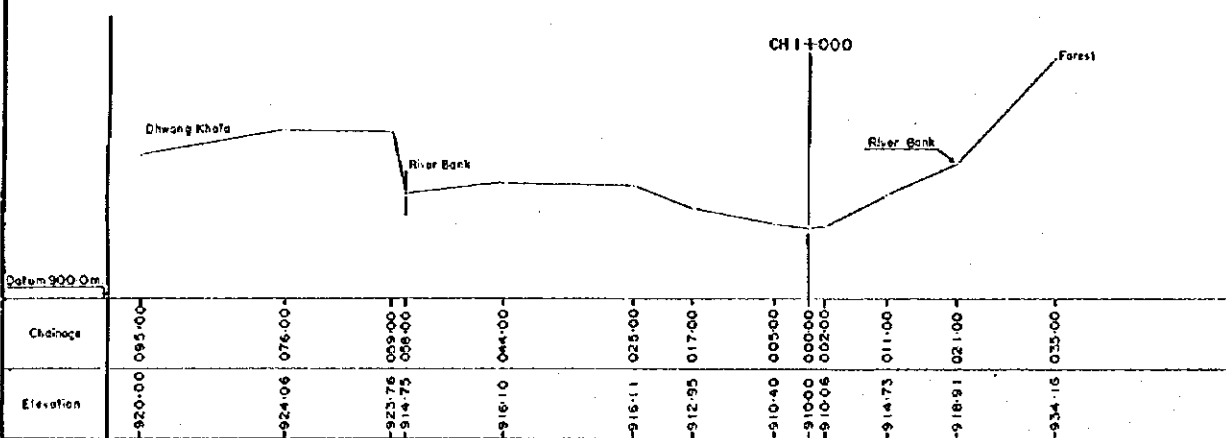
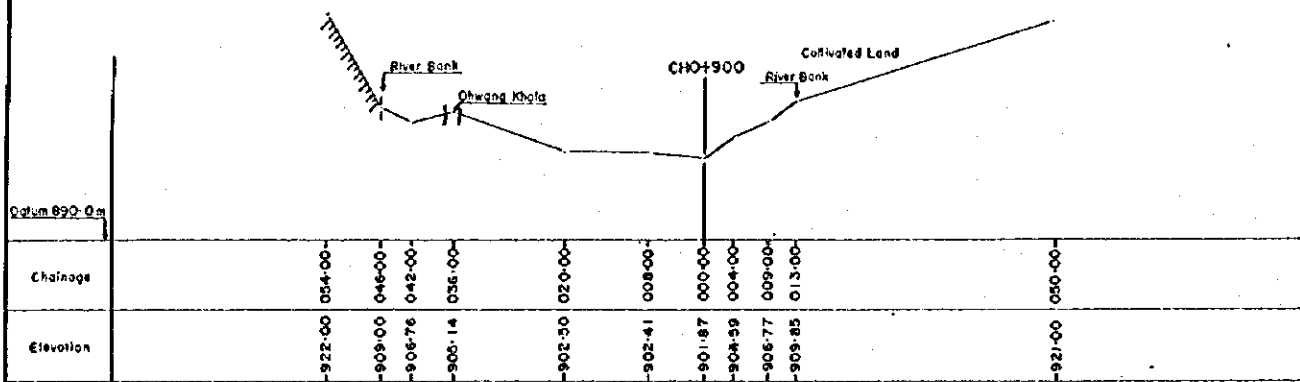
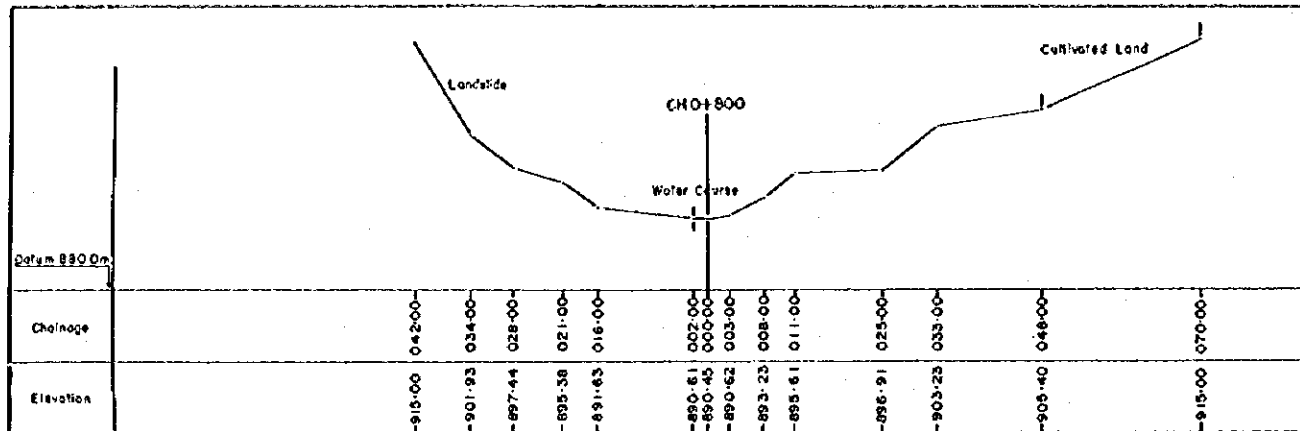


Chainage	0+000	0+074	0+100	0+200	0+300	0+400	0+500	0+600	0+636.0	0+656.0	0+700	0+800	0+900	1+000	1+100	1+200	1+300	1+400	1+500
Elevation	799.94	806.80	809.92	821.69	832.63	842.48	853.11	862.40	-	-	875.75	890.45	901.67	910.00	923.32	937.92	950.98	970.16	989.98

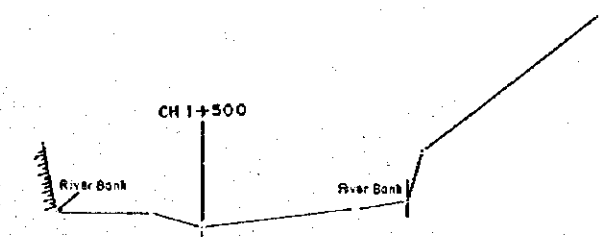
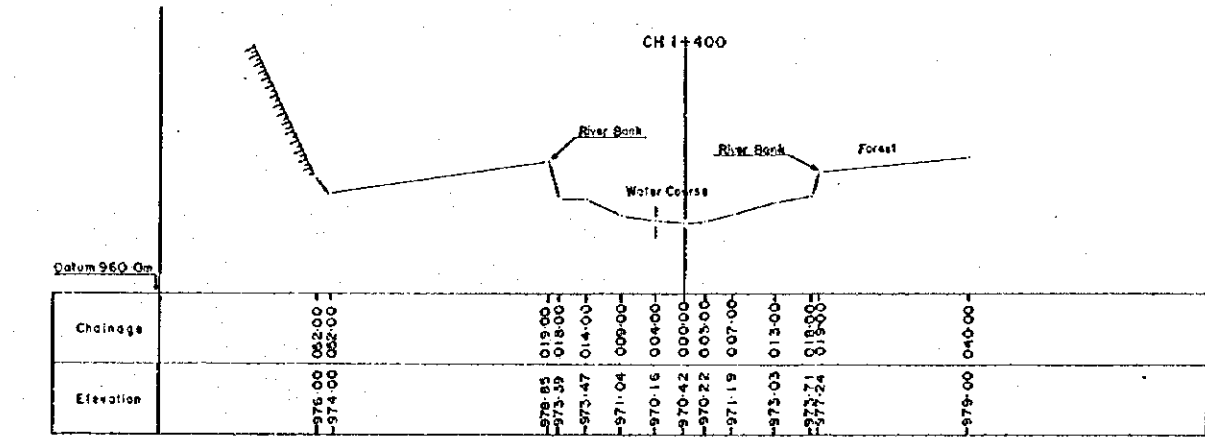
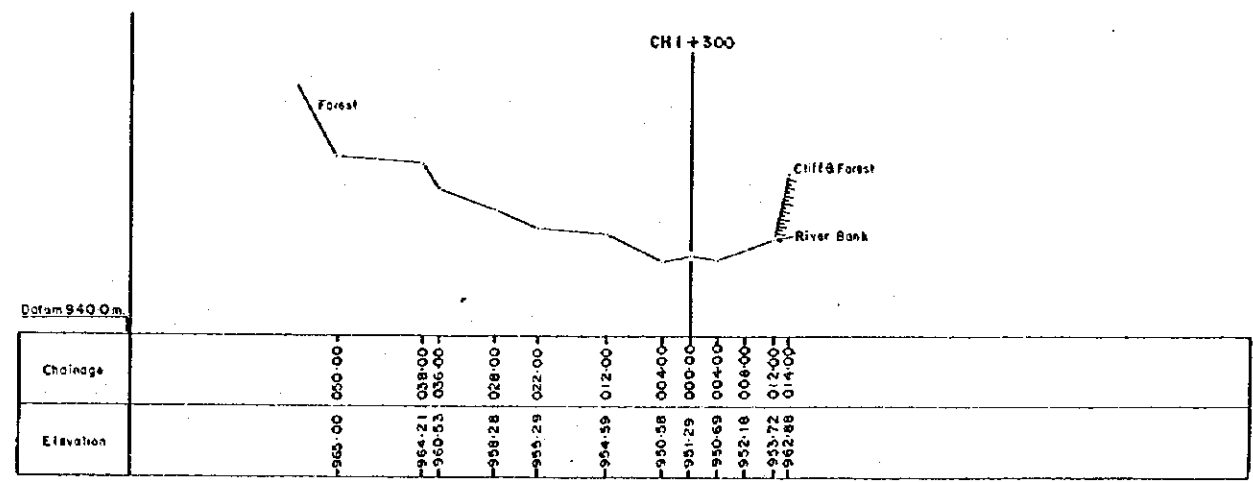
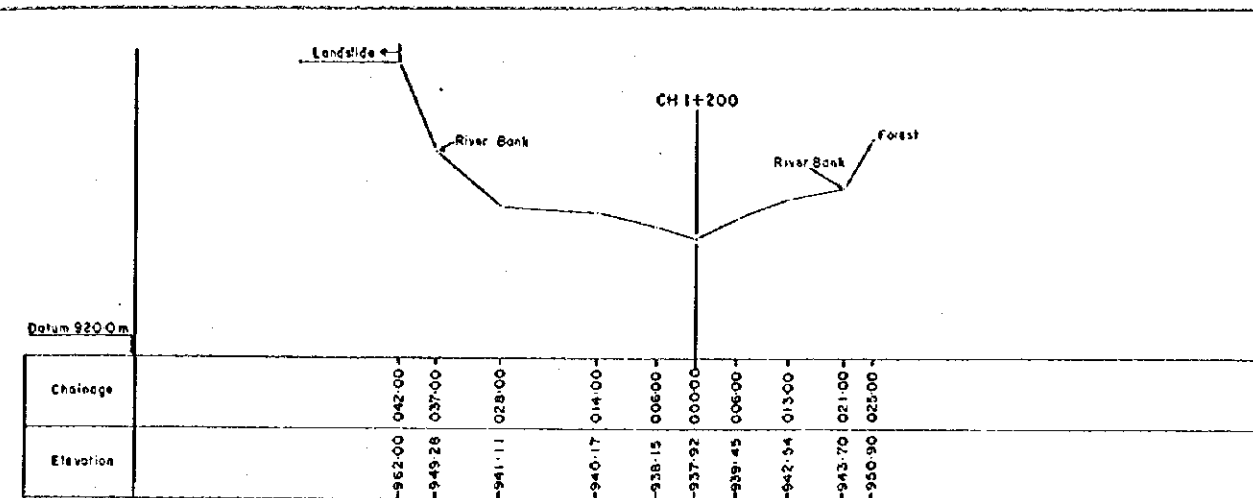
JICA / HMG		
PROJECT DISASTER PREVENTION PROJECT		
CONSULTANT AUTO CARTO CONSULT		
SYARSA KHOLA (1/1) CH0-0640 TO CH1+500-0		
DISTRICT MAKAWANPUR	VDC NANTAR	SURVEY CHECKED BY-
L-SECTION	H- 1:2500 V- 1:500	PLOTTING CHECKED BY-
SURVEY COMMENCED ON-		DRAWING CHECKED BY-
MAP COMPLETED ON-		



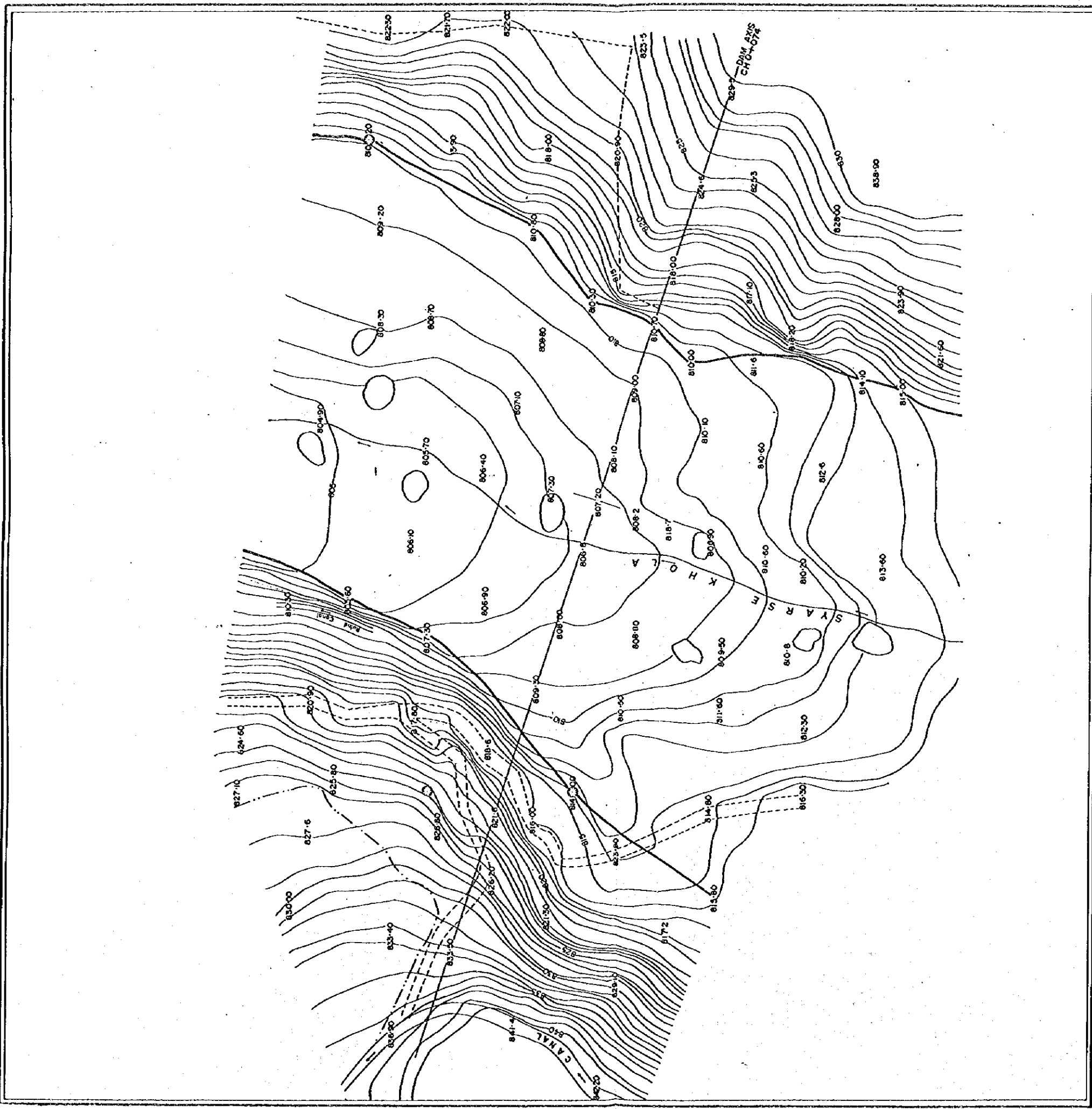
JICA / HMG		
PROJECT DISASTER PREVENTION PROJECT		
CONSULTANT AUTO CARTO CONSULT		
SYARSE KHOLA (1/2) CHO + 000 TO CHO + 700		
DISTRICT MAKAWANPUR	VOC NANTAR	SURVEY CHECKED BY:-
X-SECTION	H:-1:500 V:-1:500	PLOTTING CHECKED BY:-
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:-
MAP COMPLETED ON:-		



Chainage		023.00	021.00	007.00	000.00	022.00	025.00	031.00	026.00
Elevation		1001.45	991.86	991.86	989.98	992.94	993.73	1000.31	1020.00



JICA / HMG		
PROJECT DISASTER PREVENTION PROJECT		
CONSULTANT AUTO CARTO CONSULT		
SYARSE KHOLA (2/2) CH0+800 TO CH1+500		
DISTRICT MAKAWANPUR	VDC NAMTAR	SURVEY CHECKED BY: _____
X-SECTION	H=1:500 V=1:500	PLOTTING CHECKED BY: _____
SURVEY COMMENCED ON: _____		DRAWING CHECKED BY: _____
MAP COMPLETED ON: _____		



LEGEND

Boulder	.....
Landslide, Contig.	|||||
City	|||||
Fall	|||||
River	|||||
Contours	.....
Southlight	.....
Tree, Bamboo	.....
Water pipe line	.....
Canal	.....
Cultivation land	.....
Roads, Bridge	.....
Track	.....
Temple	.....
Water Mill	.....
House, Temporary Hvt.	.....

SCALE 1:200

CONTOUR INTERVAL 100METRE

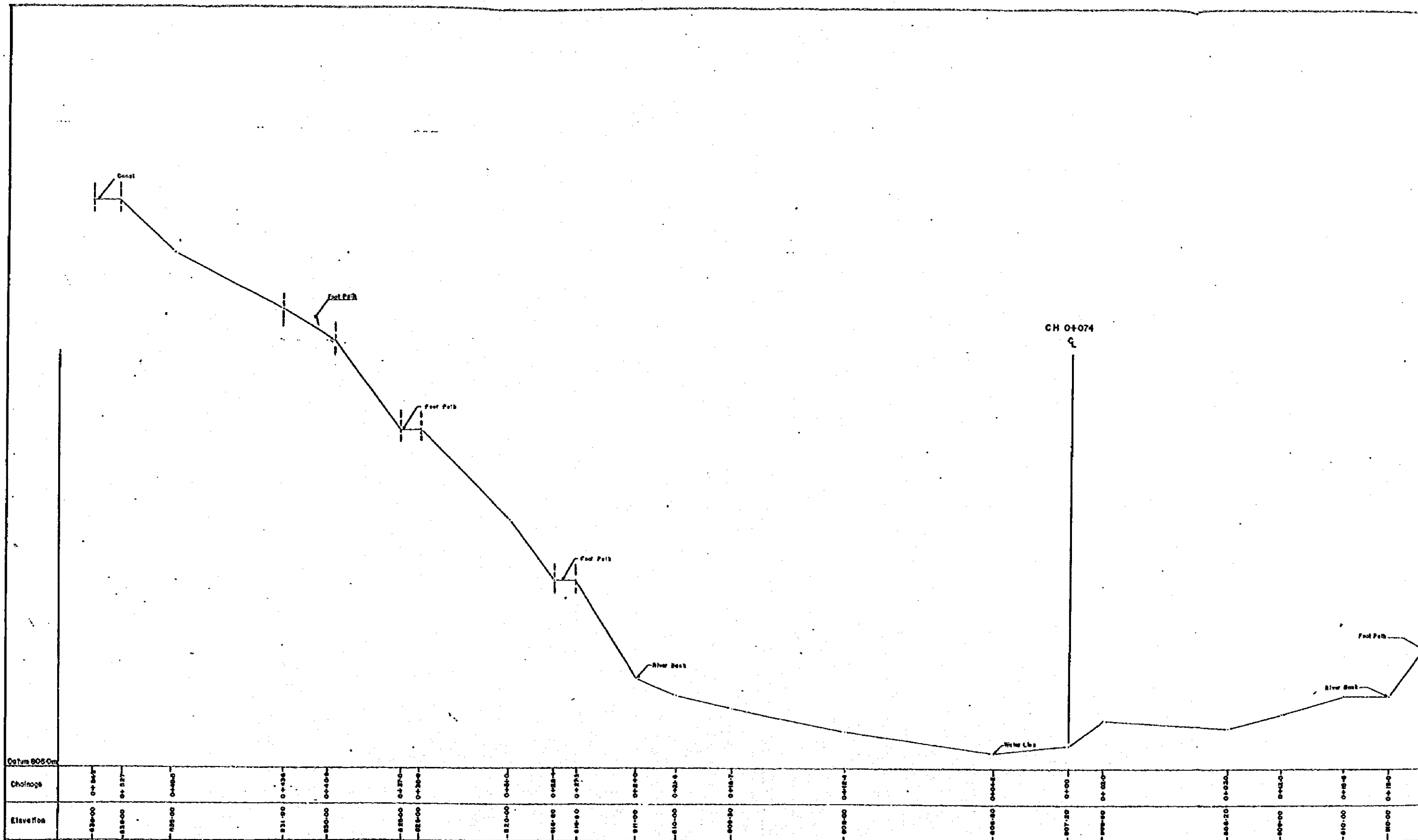
2m

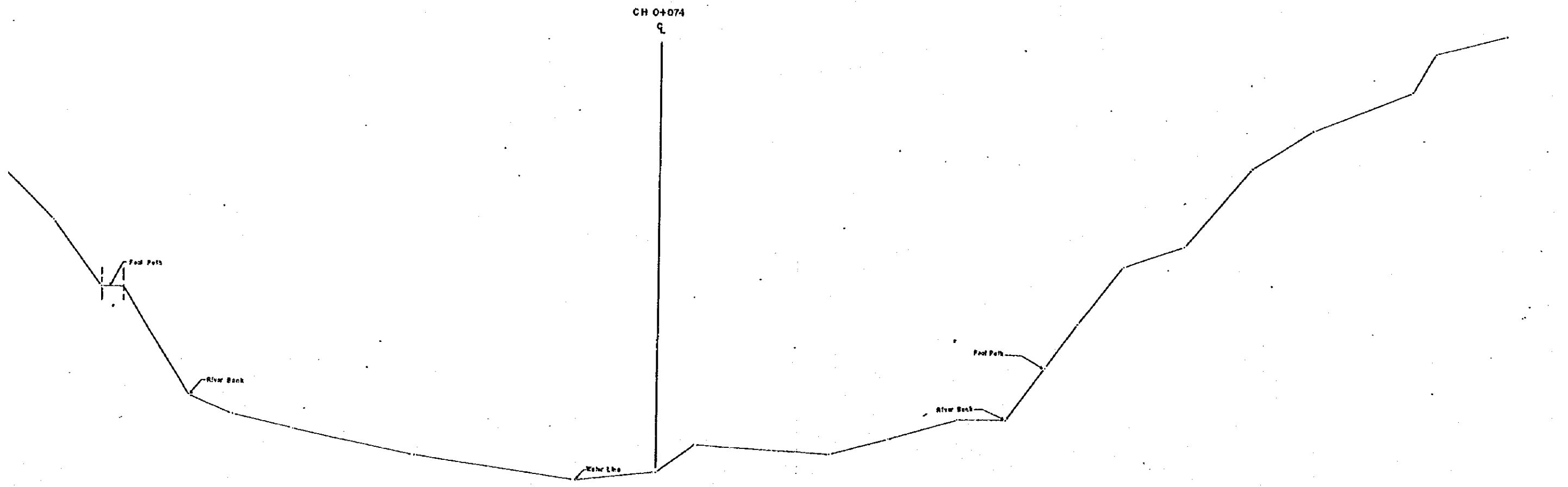
0 100 200 300 400 500 600 700 800 900 1000

N

JICA / HMG

PROJECT		DISASTER PREVENTION PROJECT
CONSULTANT		AUTO CARTO CONSULT
Detail Topographical Map of Syraekhola		
DISTRICT	NPC	SURVEY CHECKED BY
MAJAWANPUR	NAMTDR	
PLAN	SCALE	PUTTING CHECKED BY
	1:200	
SURVEY COMMENCED ON		DRAWING CHECKED BY
MAP COMPLETED ON		





0+20.00	0+25.00	0+30.00	0+35.00	0+40.00	0+45.00	0+50.00	0+55.00	0+60.00	0+65.00	0+70.00	0+75.00	0+80.00	0+85.00	0+90.00	0+95.00	1+00.00	1+05.00	1+10.00	1+15.00	1+20.00	1+25.00	1+30.00	1+35.00	1+40.00	1+45.00	1+50.00	1+55.00	1+60.00	1+65.00	1+70.00	1+75.00	1+80.00	1+85.00	1+90.00	1+95.00	2+00.00
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JICA / HMG			
PROJECT DISASTER PREVENTION PROJECT			
CONSULTANT AUTO CARTO CONSULY			
SYARSE KHOLA DAM AXIS			
DISTRICT MAKAWANPUR	VDS NAMTAR	SURVEY CHECKED BY:	
X-SECTION	H= 1:100 V= 1:100	PLOTING CHECKED BY:	
SURVEY COMMENCED ON:-		DRAWING CHECKED BY:	
MAP COMPLETED ON:-			