

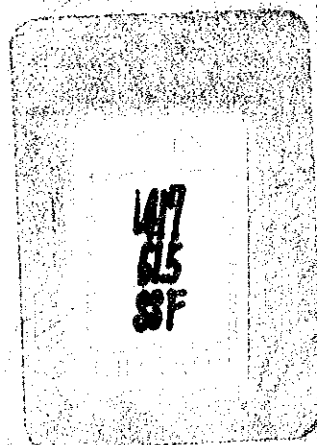
REPUBLIQUE TUNISIENNE
MINISTERE DE L'EQUIPEMENT ET DE L'HABITAT

ETUDE DE FAISABILITE
POUR
LA CONSTRUCTION D'UN OUVRAGE DE FRANCHISSEMENT DU
GOULET DE RADES — LA GOULETTE
RAPPORT FINAL

VOLUME III
PLANS

JANVIER 1991

AGENCE JAPONAISE DE COOPERATION INTERNATIONALE



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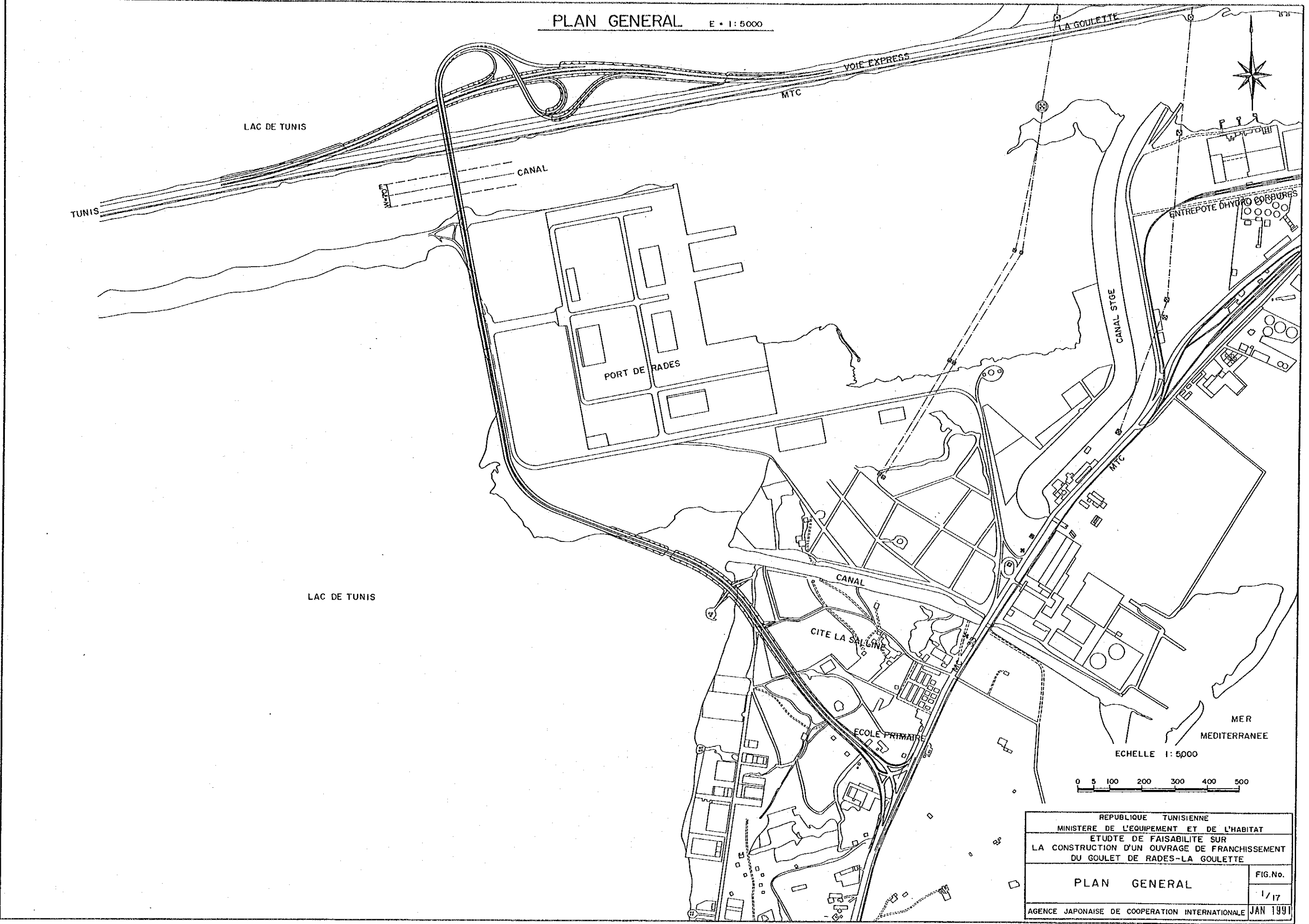
国際協力事業団

2010

LISTE DES PLANS

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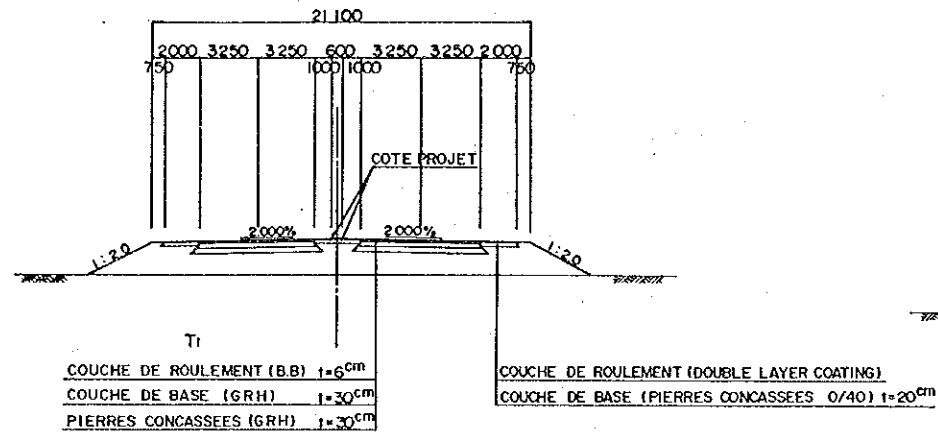
PLAN GENERAL E = 1:5000



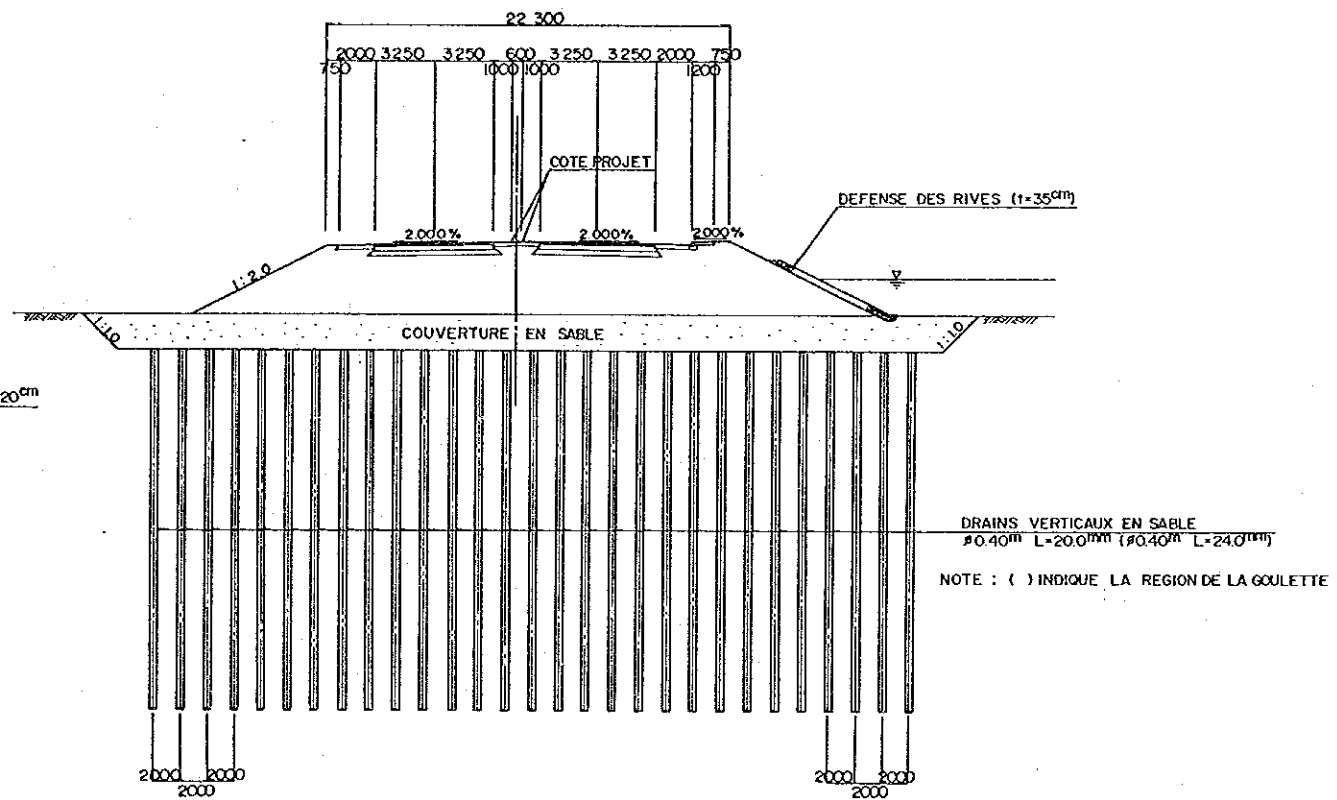
REPUBLIQUE TUNISIENNE MINISTERE DE L'EQUIPEMENT ET DE L'HABITAT ETUDE DE FAISABILITE SUR LA CONSTRUCTION D'UN OUVRAGE DE FRANCHISSEMENT DU GOULET DE RADES-LA GOULETTE	
PLAN GENERAL	FIG.No. 1/17
AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	JAN 1991

PROFIL EN TRAVERS TYPE (1/2) E=1:200

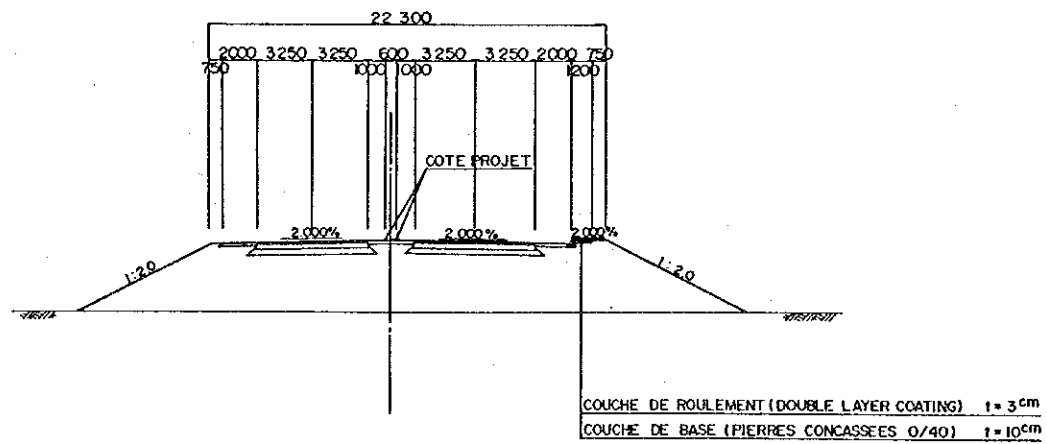
TRONC COMMUN SUR L'OUVRAGE (SANS TROTTOIR)



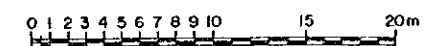
TERRAINS MEUBLES



TRONC COMMUN SUR L'OUVRAGE (AVEC TROTTOIR)



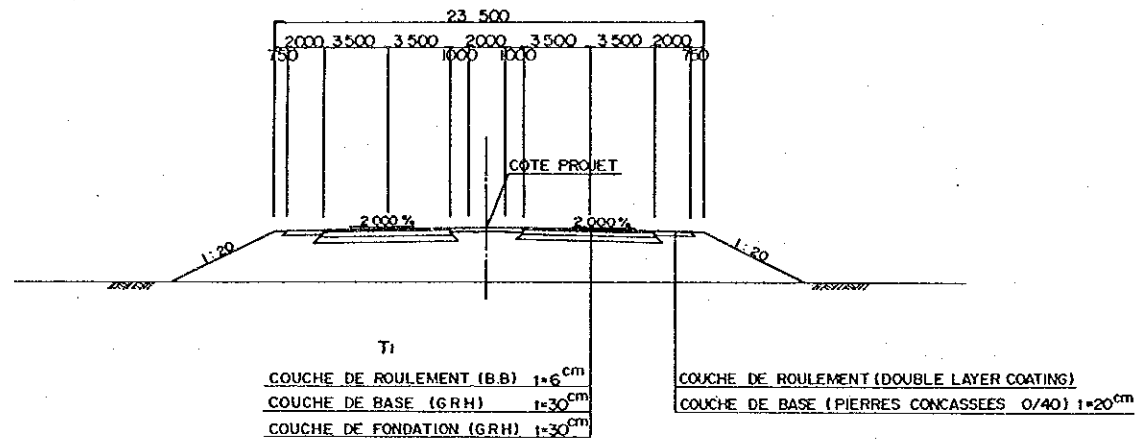
ECHELLE 1: 200



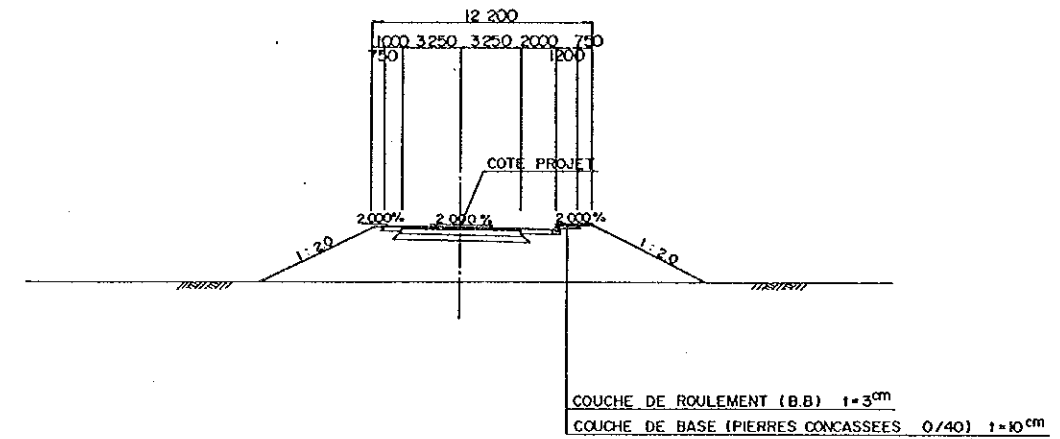
REPUBLICQUE TUNISIENNE	
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ETUDE DE FAISABILITE SUR	
LA CONSTRUCTION D'UN OUVRAGE DE FRANCHISSEMENT	
DU GOULET DE RADES-LA GOULETTE	
PROFIL EN TRAVERS TYPE (1/2)	FIG.No.
	2/17
AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	JAN 1991

PROFIL EN TRAVERS TYPE (2/2) E = 1:200

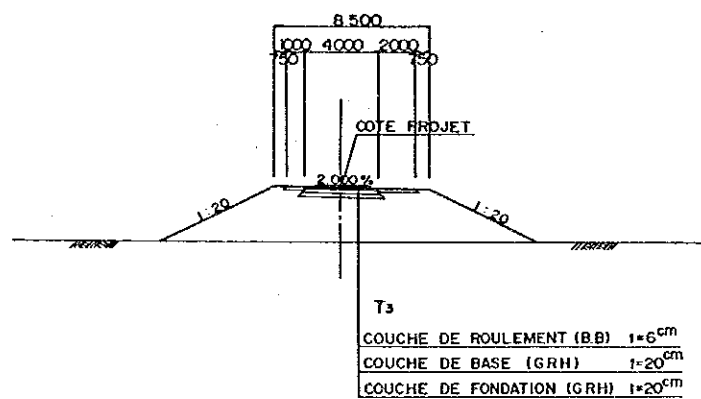
DEVIATION (VOIE EXPRESS)



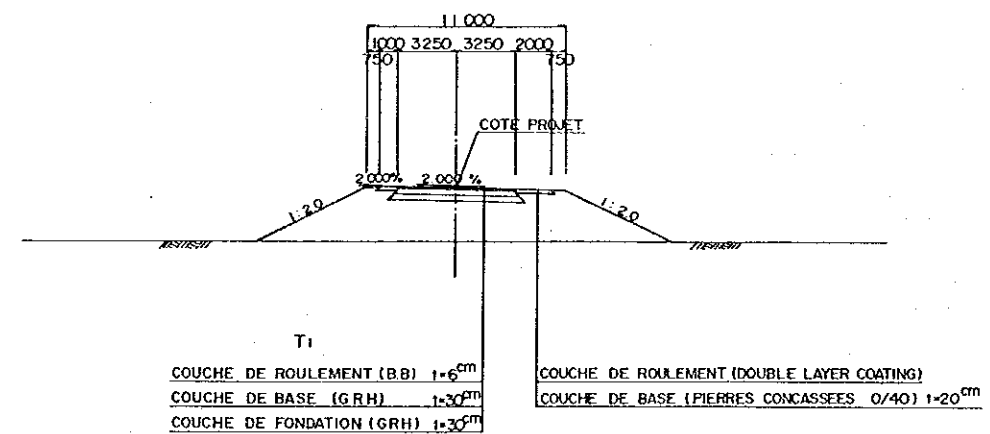
BRETELLE A DEUX VOIES (AVEC TROTTOIR)



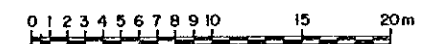
BRETELLE A UNE VOIES (SANS TROTTOIR)



BRETELLE A DEUX VOIES (SANS TROTTOIR)



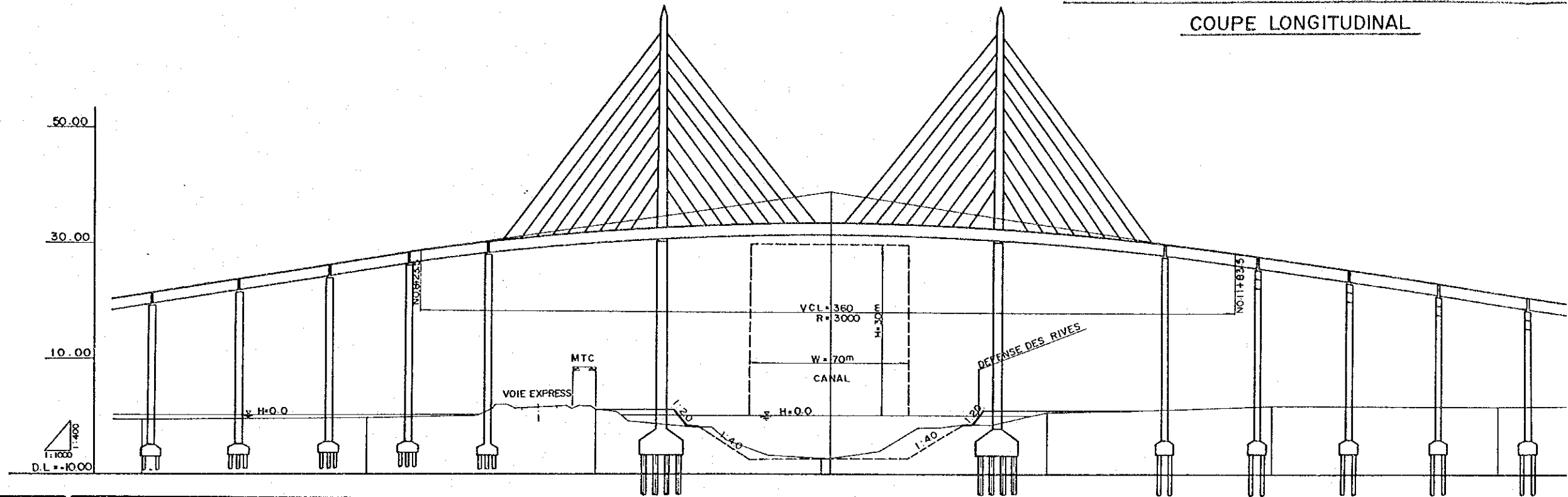
ECHELLE 1:200



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ETUDE DE FAISABILITE SUR	
LA CONSTRUCTION D'UN OUVRAGE DE FRANCHISSEMENT	
DU GOULET DE RADES-LA GOULETTE	
PROFIL EN TRAVERS TYPE (2/2)	FIG.No. 3/17
AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	JAN 1991

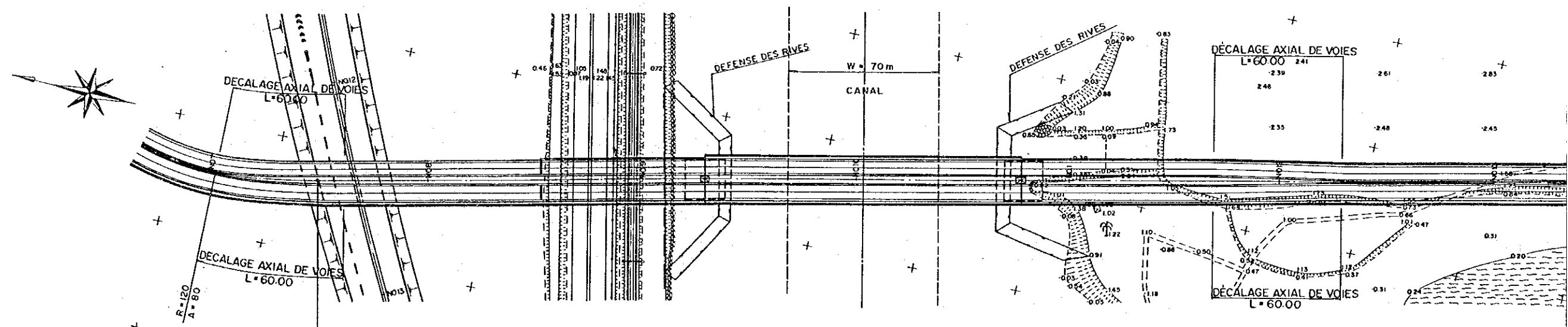
VUE EN PLAN ET PROFIL EN LONG DU TROU

COUPE LONGITUDINAL



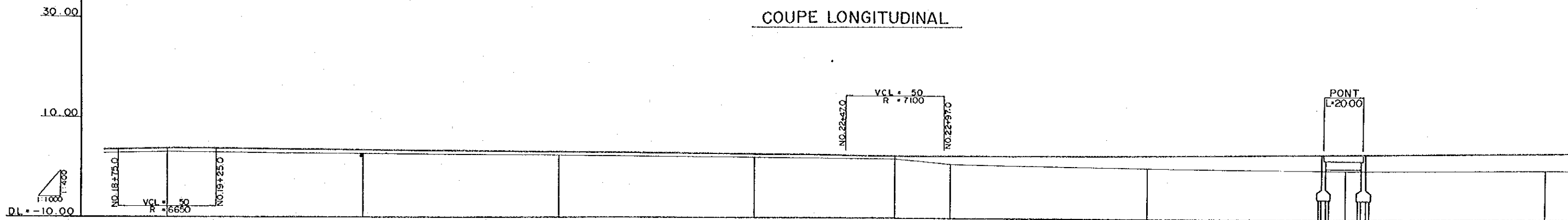
PENTE	i = 6.00% g = 477.85m		38.950		i = 6.00% g = 604.500m	
COTE PROJET	20.642	26.641	31.665	33.448	31.898	27.060
COTE DU TERRAIN NATUREL	-0.880	-0.490	-0.980	-7.220	0.650	1.790
ABSCISSE PROJET	100.000	800.000	900.000	1000.000	1000.000	2000.000
LONGUEUR DE LA SECTION	100.000	100.000	100.000	100.000	100.000	100.000
STATION	NO.7	NO.8	NO.9	NO.10	NO.11	NO.12

VUE EN PLAN



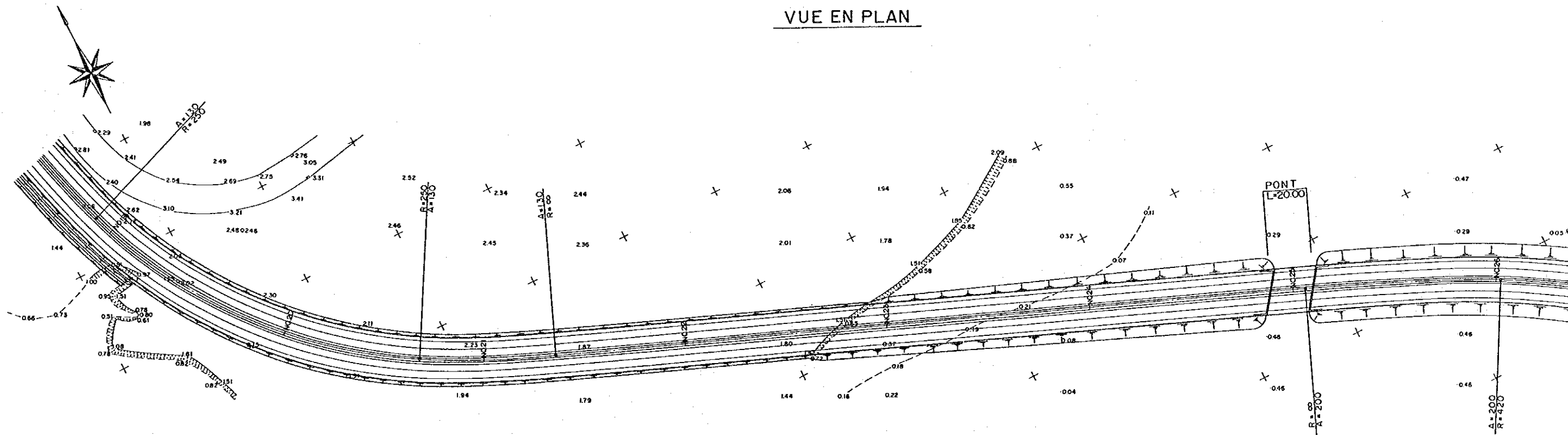
VUE EN PLAN ET PROFIL EN LONG DU TRONC COMMUN (3/4)

COUPE LONGITUDINAL



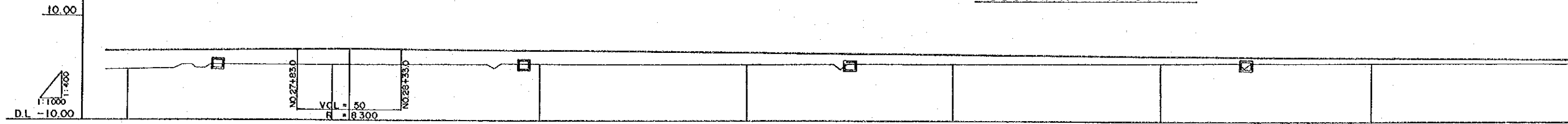
PENTE										
COTE PROJET	3.563	3.197	2.794	2.390	2.144	2.184	2.494	2.768	3.085	
COTE DU TERRAIN NATUREL	2.950	2.550	2.220	1.860	1.570	0.640	0.000	-0.400	-0.280	
ABSCISSE PROJET	19000000	20000000	21000000	22000000	22720000	23000000	24000000	25000000	26000000	
LONGUEUR DE LA SECTION	100.000	100.000	100.000	100.000	72.000	28.000	100.000	100.000	100.000	
STATION	NO.19	NO.20	NO.21	NO.22	NO.23	NO.24	NO.25	NO.26		

VUE EN PLAN



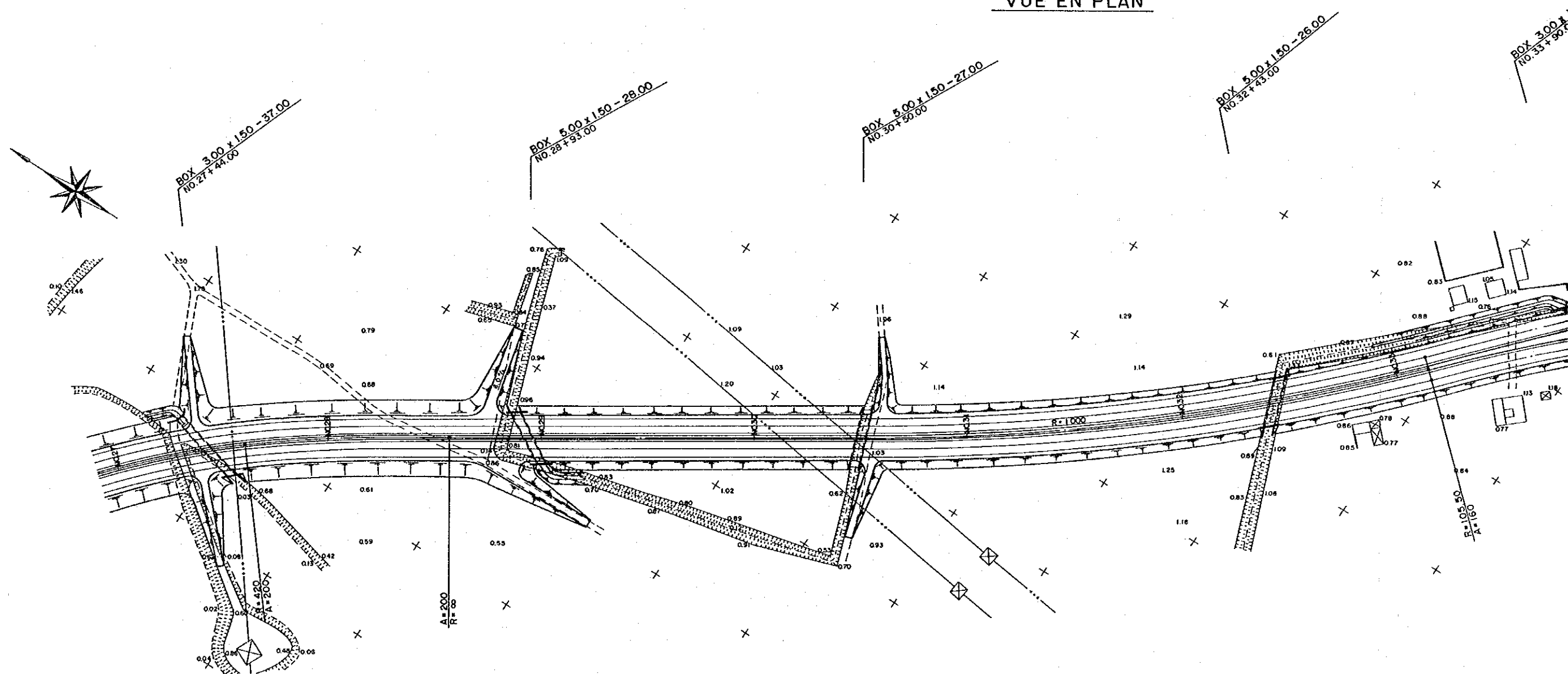
VUE EN PLAN ET PROFIL EN LONG DU TRONC COMMUN (4/4)

COUPE LONGITUDINAL



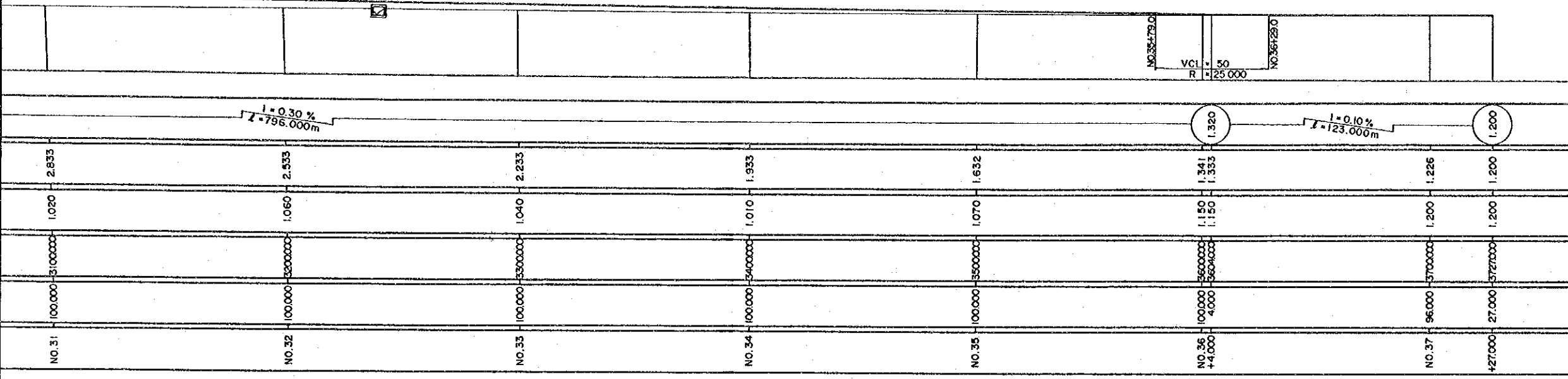
PENTE			3.710				1 = 0.30 % L = 796.000m	
COTE PROJET	3.386	3.669	3.672	3.434	3.134	2.833	2.533	2.233
COTE DU TERRAIN NATUREL	-0.160	0.740	0.740	0.970	1.040	1.020	1.060	1.040
ABSCISSE PROJET	2700000	2800000	2800000	2900000	3000000	3100000	3200000	3300000
LONGUEUR DE LA SECTION	100000	100000	8000	92000	100000	100000	100000	100000
STATION	NO.27	NO.28 +8.000		NO.29	NO.30	NO.31	NO.32	NO.33

VUE EN PLAN

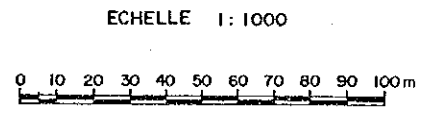
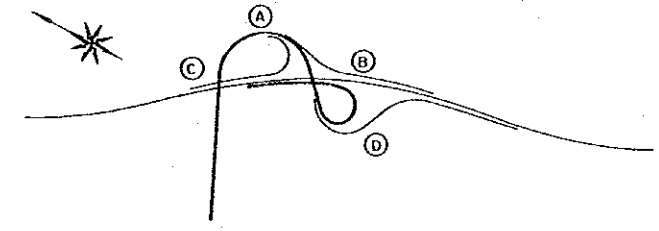
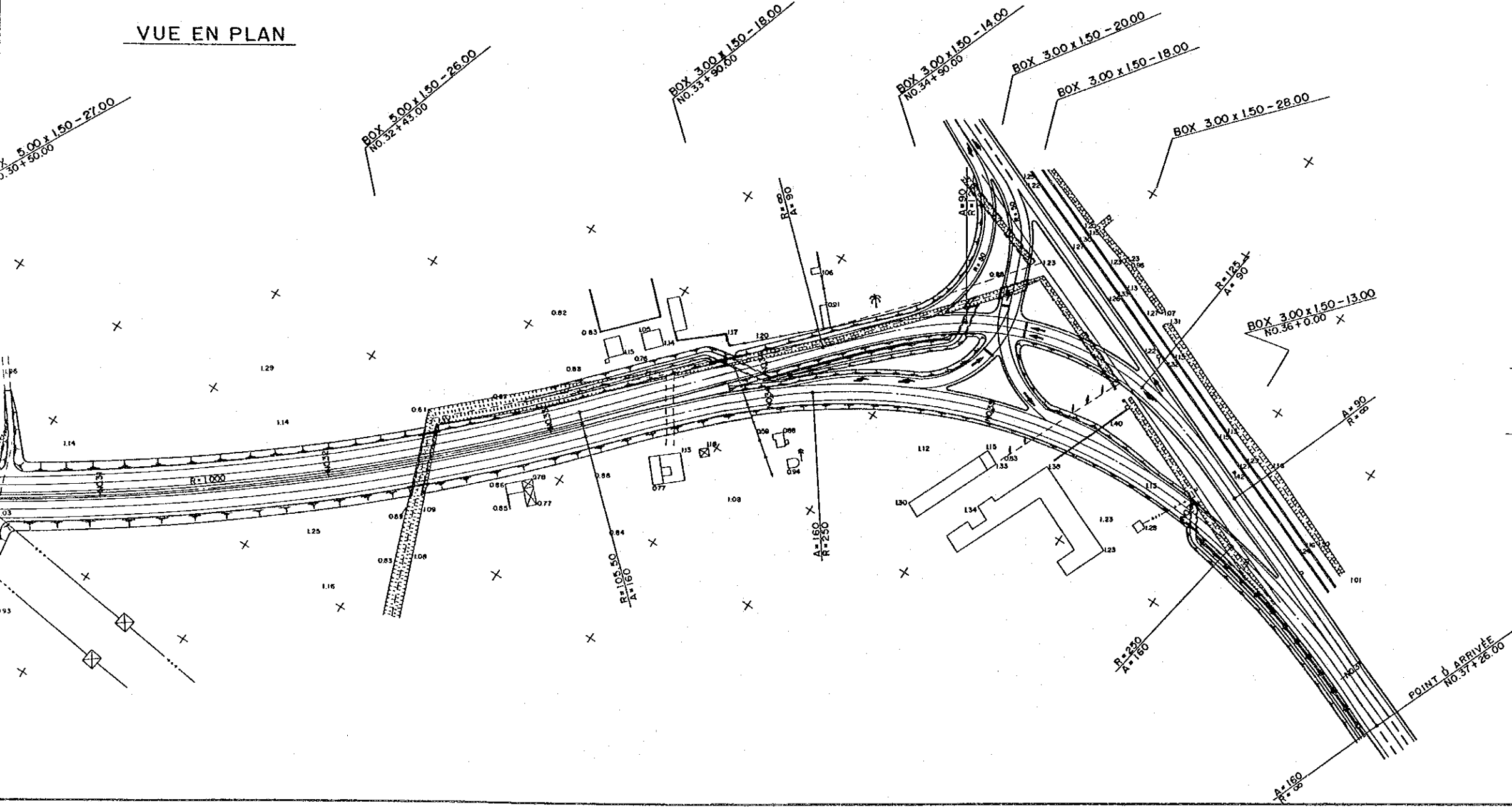


EN PLAN ET PROFIL EN LONG DU TRONC COMMUN (4/4)

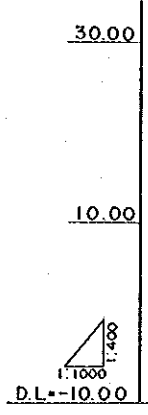
COUPE LONGITUDINAL



VUE EN PLAN



REPUBLIQUE TUNISIENNE MINISTERE DE L'EQUIPEMENT ET DE L'HABITAT ETUDE DE FAISABILITE SUR LA CONSTRUCTION D'UN OUVRAGE DE FRANCHISSEMENT DU GOULET DE RADES-LA GOULETTE	
VUE EN PLAN ET PROFIL EN LONG DU TRONC COMMUN (4/4)	FIG.No. 7/17
AGENCE JAPONAISE DE COOPERATION INTERNATIONALE JAN 1991	

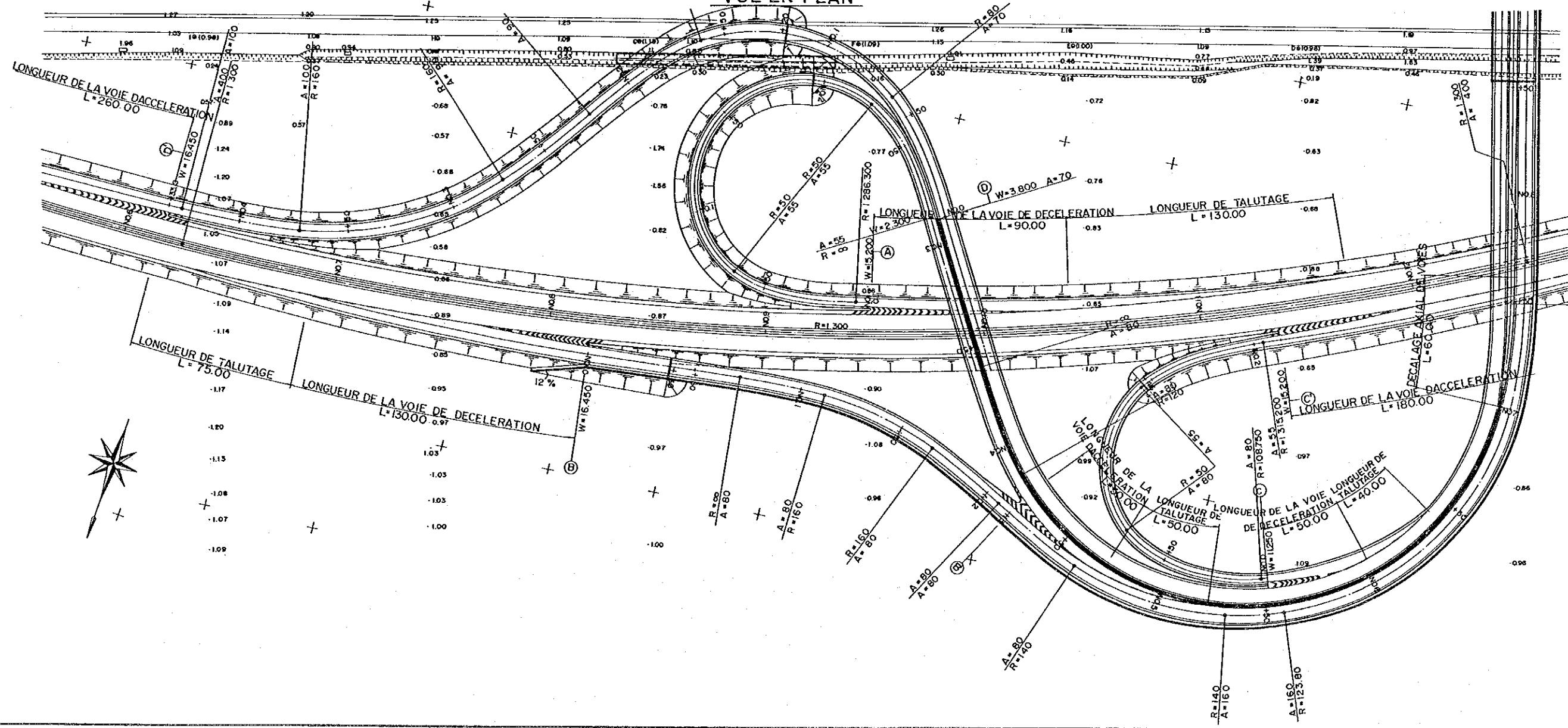


COUPE LONGITUDINAL

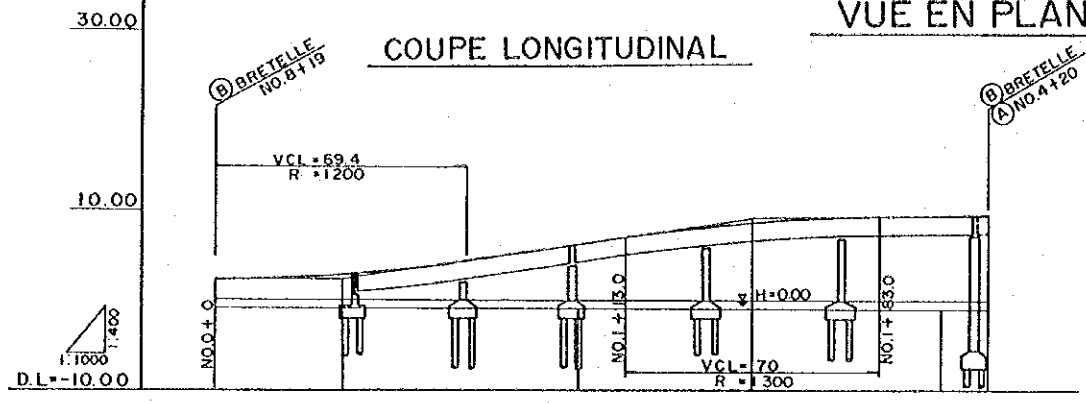
VUE EN PLAN ET PROFIL EN LONG DE LA BRETELLE-B

PENTE	2.318	0.10%	6.00%	9.151	0.50%	9.476
	$L=34700m$		$L=113300m$		$L=65000m$	
COTE PROJET	8.318	6.270	8.670	9.411	9.476	
COTE DU TERRAIN NATUREL	-0.900	-0.920	-0.950	-0.990	-0.990	-0.950
ABSCISSE PROJET	0.000	100.000	480.000	200.000	213.000	213.000
LONGUEUR DE LA SECTION	0.000	100.000	480.000	200.000	213.000	213.000
STATION	NO.0	NO.1	NO.2	NO.3	NO.4	NO.5

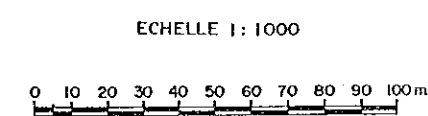
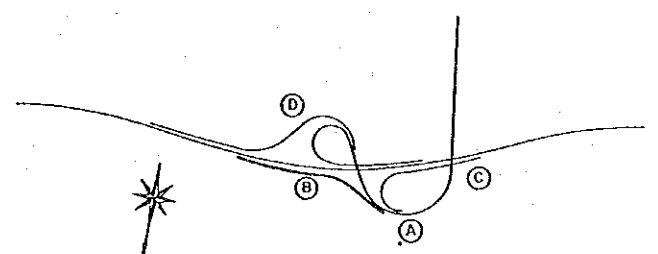
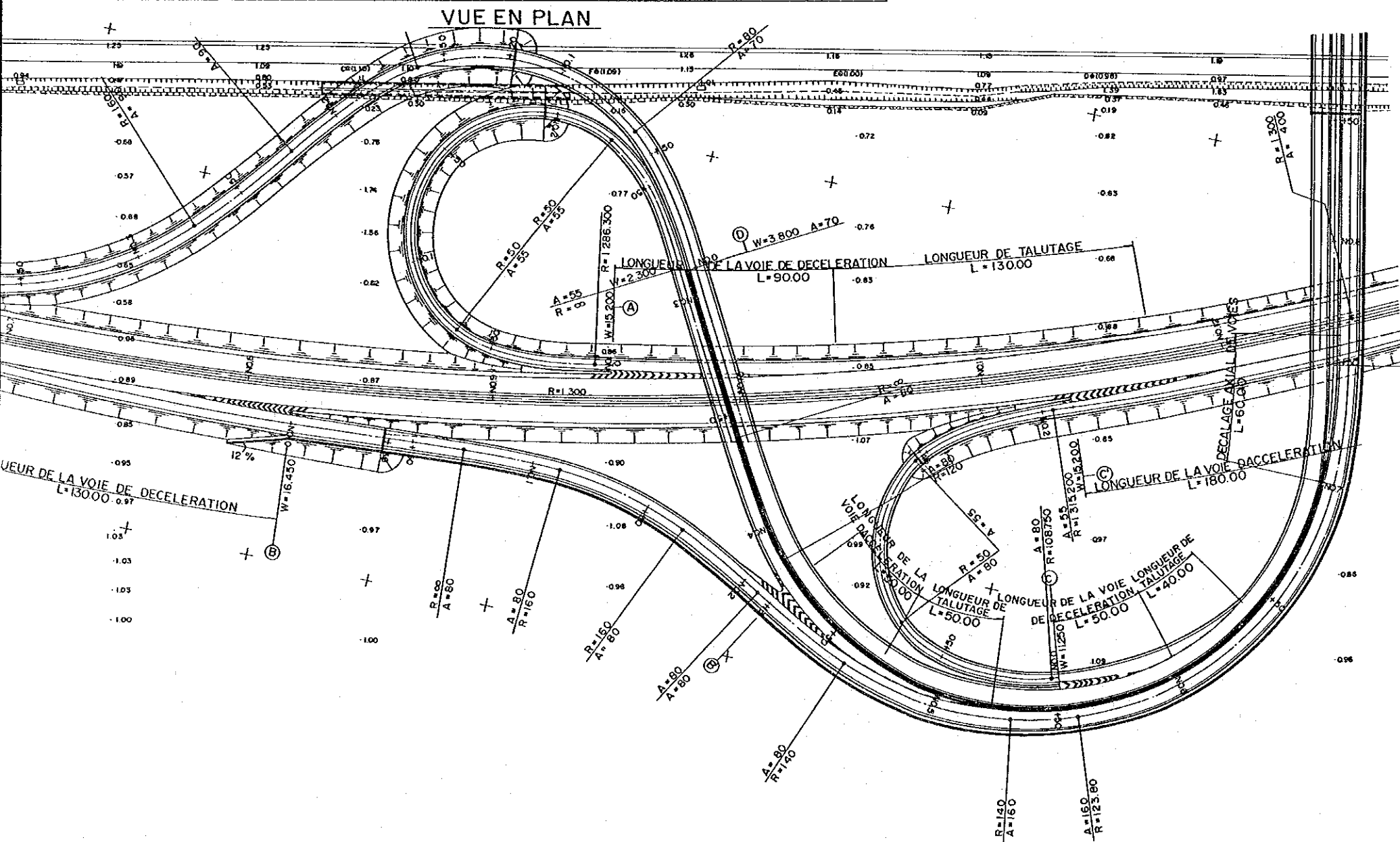
VUE EN PLAN



VUE EN PLAN ET PROFIL EN LONG DE LA BRETELLE-B



PENTE	2.318	3.310	9.151	9.476
$i = 0.10\%$ $L = 34700\text{m}$			$L = 600\%$ $L = 113300\text{m}$	$L = 0.50\%$ $L = 65000\text{m}$
COTE PROJET	8.318	6.270	8.670	9.411
COTE DU TERRAIN NATUREL	-0.900	-0.920	-0.950	-0.990
ABSCISSE PROJET	0.000	100.000	480.000	200.000
LONGUEUR DE LA SECTION	0.000	100.000	480.000	13.000
STATION	NO. 0	NO. 1	NO. 2	



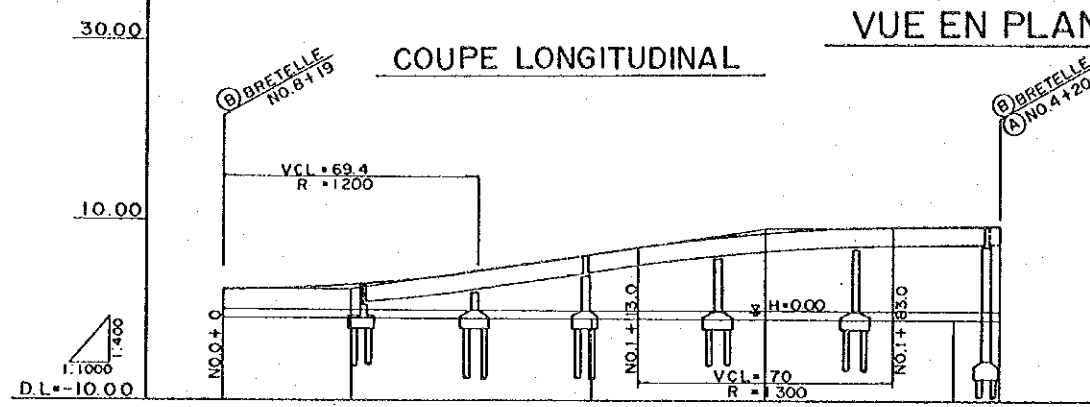
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 ETUDE DE FAISABILITE SUR
 LA CONSTRUCTION D'UN OUVRAGE DE FRANCHISSEMENT
 DU GOULET DE RADES-LA GOULETTE

VUE EN PLAN ET PROFIL EN LONG
 DE LA BRETELLE - B

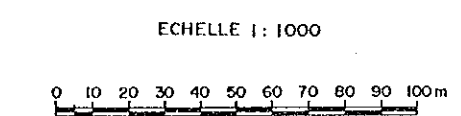
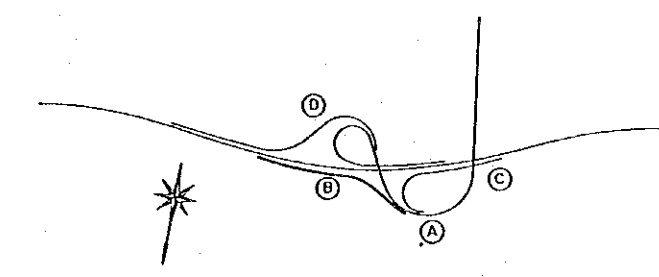
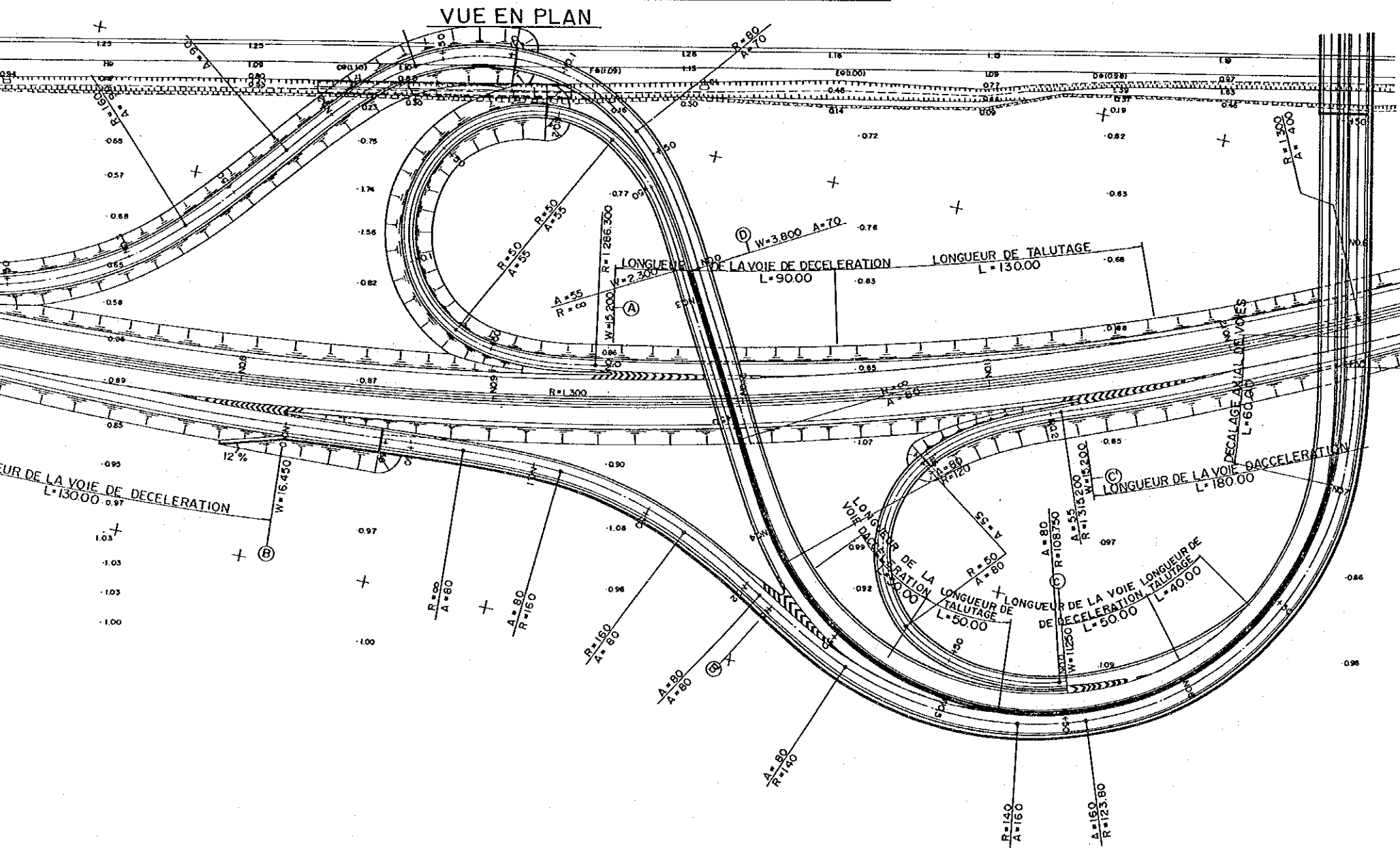
AGENCE JAPONAISE DE COOPERATION INTERNATIONALE

FIG.No.
8/17
JAN 1991

VUE EN PLAN ET PROFIL EN LONG DE LA BRETELLE-B



PENTE	0.10% L=34.700m	6.00% L=13.300m	0.50% L=65.000m
COTE PROJET	8.318	6.270	9.411
COTE DU TERRAIN NATUREL	-0.900	-0.920	-0.990
ABSCISSE PROJET	0.000	48.000	13.000
LONGUEUR DE LA SECTION	0.000	48.000	13.000
STATION	NO.0	NO.1	NO.2



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 ETUDE DE FAISABILITE SUR
 LA CONSTRUCTION D'UN OUVRAGE DE FRANCHISSEMENT
 DU GOULET DE RADES-LA GOULETTE

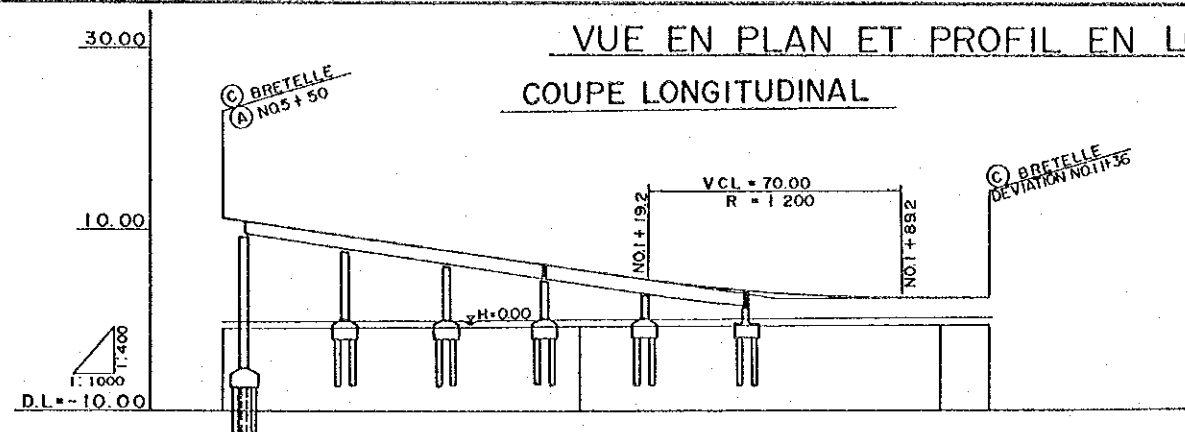
VUE EN PLAN ET PROFIL EN LONG
 DE LA BRETELLE - B

FIG.No.
 B/17

AGENCE JAPONAISE DE COOPERATION INTERNATIONALE JAN 1991

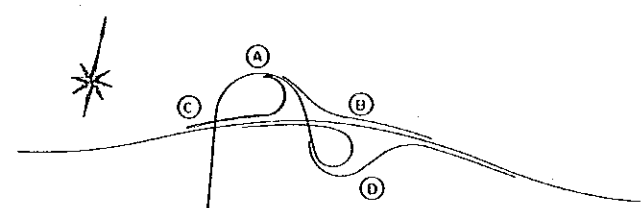
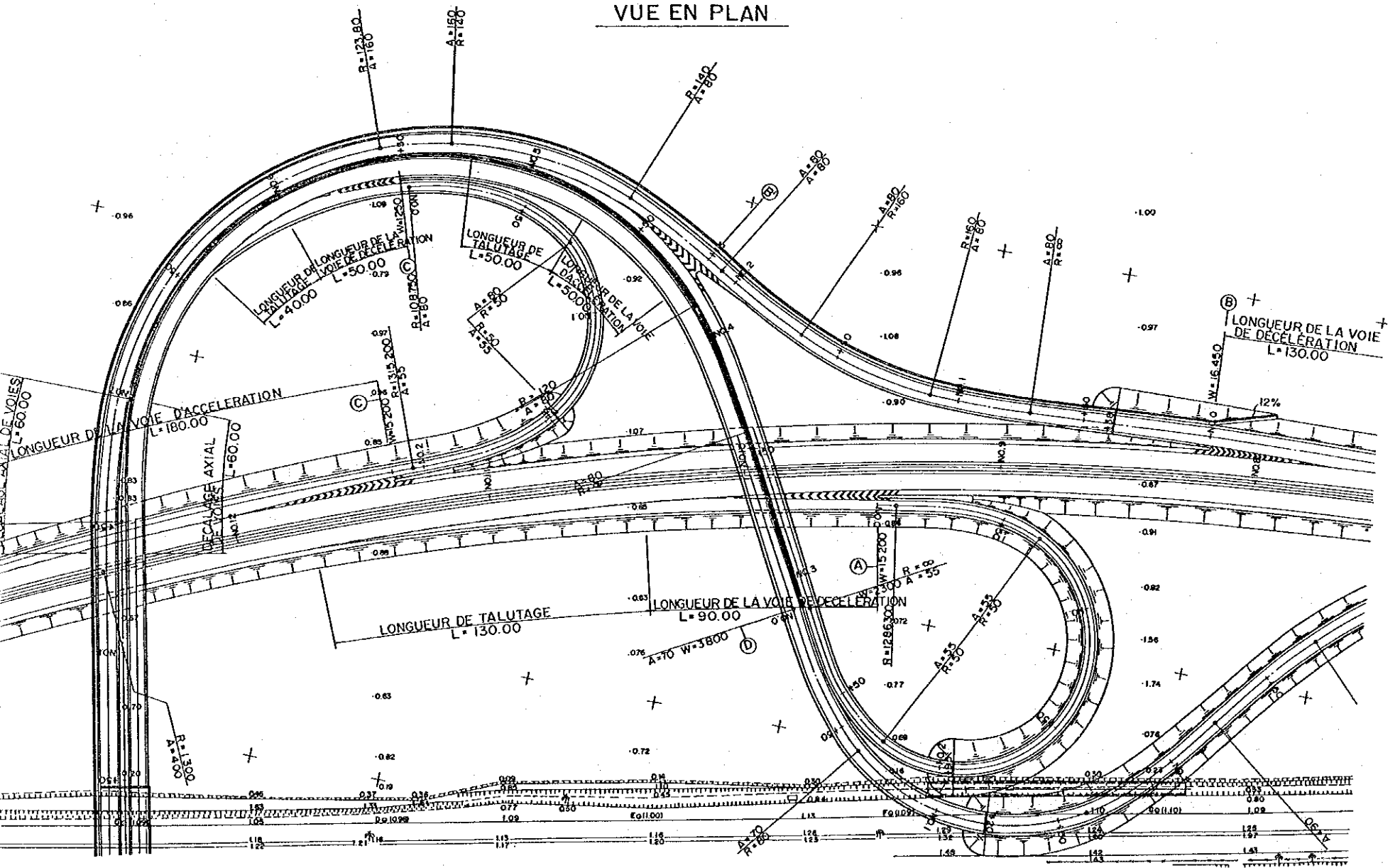
VUE EN PLAN ET PROFIL EN LONG DE LA BRETELLE - C

COUPE LONGITUDINAL

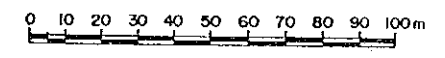


PENTE	11.196	-5.81% L=154.200m	2.240	-0.10% L=58.800m	2.179
COTE PROJET	11.196	5.388	2.740	2.192	2.179
COTE DU TERRAIN NATUREL	-1.890	-0.990	-0.910	-0.840	-0.840
ABSCISSE PROJET	0.000	0.0000	54.200	200.000	213.000
LONGUEUR DE LA SECTION	0.000	100.000	45.800	13.000	
STATION	NO.0	NO.1	NO.2	NO.3	

VUE EN PLAN



ECHELLE 1:1000



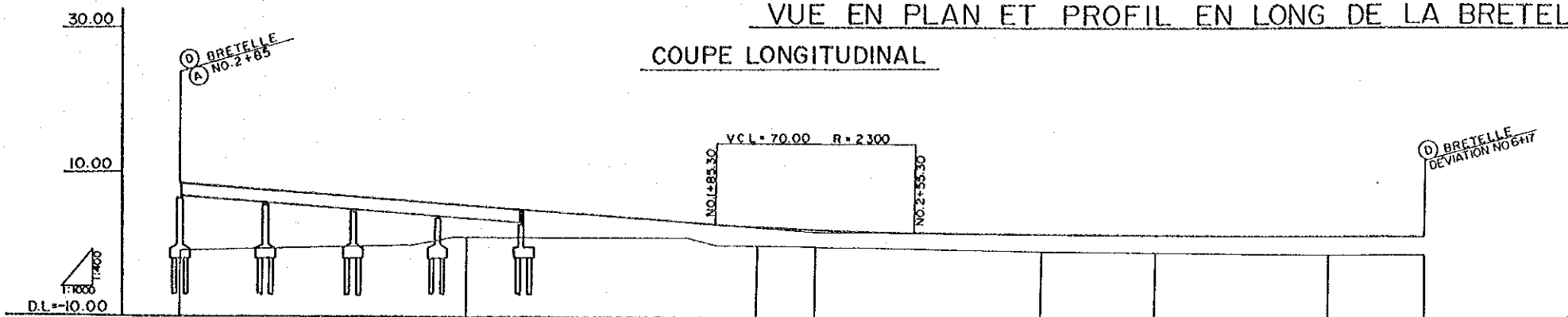
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 ETUDE DE FAISABILITE SUR
 LA CONSTRUCTION D'UN OUVRAGE DE FRANCHISSEMENT
 DU GOULET DE RADES-LA GOULETTE

VUE EN PLAN ET PROFIL EN LONG
 DE LA BRETELLE - C

FIG.No.
 8/17

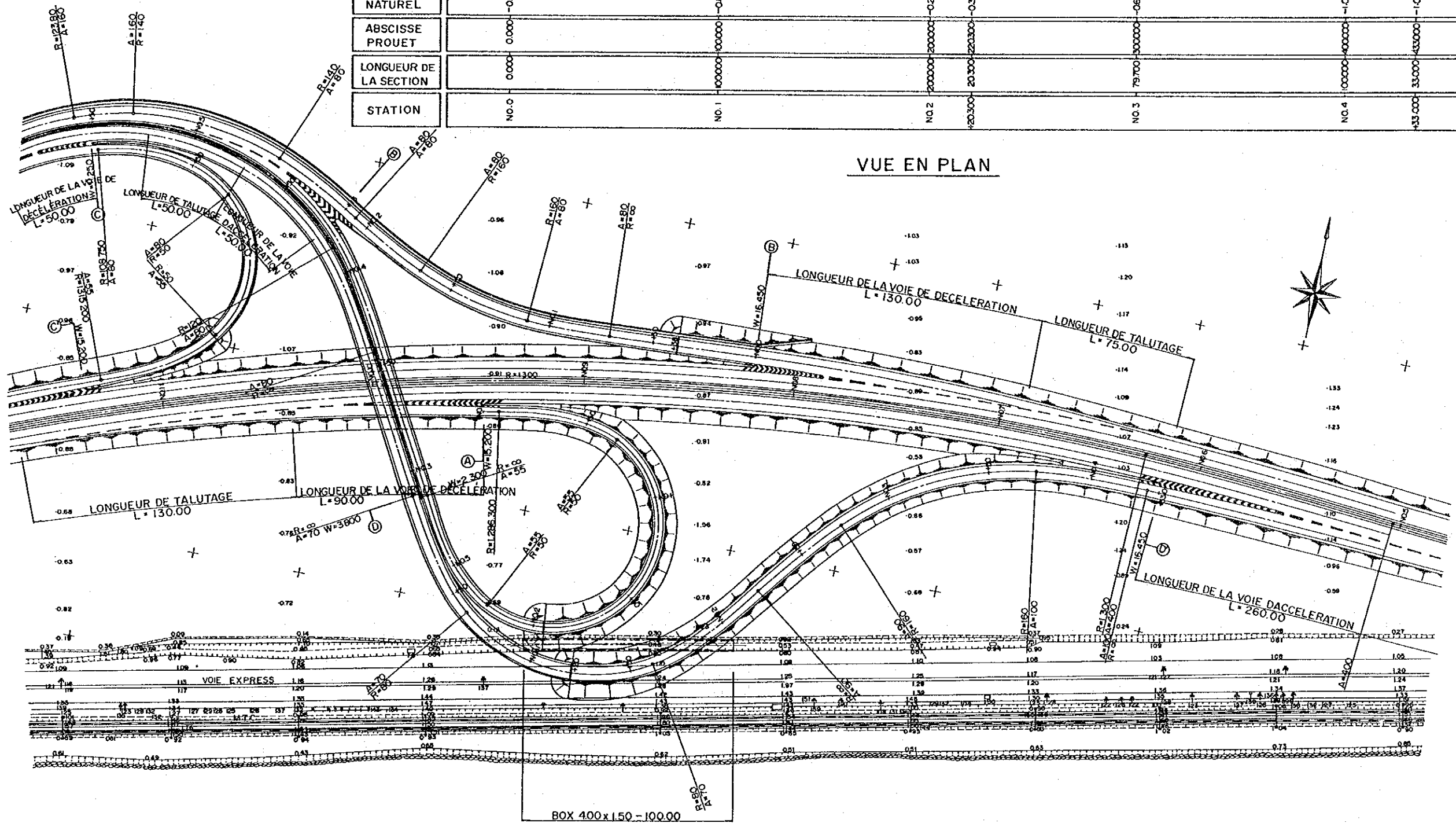
AGENCE JAPONAISE DE COOPERATION INTERNATIONALE JAN 1991

VUE EN PLAN ET PROFIL EN LONG DE LA BRETELLE --
COUPE LONGITUDINAL



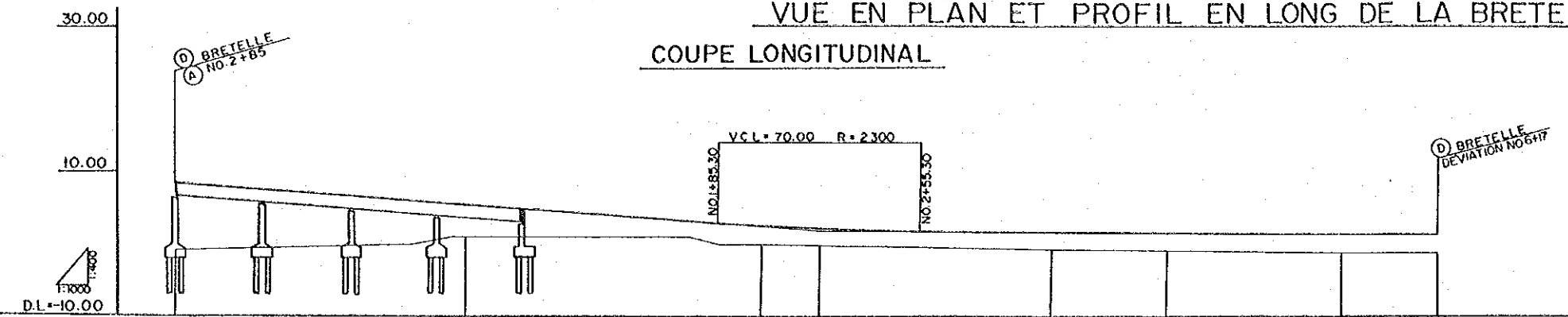
PENTE	8.580	1.313%	1.690	1.810%	1.473		
COTE PROJET	8.580	5.452	2.372	1.932	1.507	1.473	
COTE DU TERRAIN NATUREL	-0.750	-0.880	-0.230	-0.320	-0.650	-1.030	-1.030
ABSCISSE PROJET	0.000	100.000	200.000	203.000	300.000	400.000	433.000
LONGUEUR DE LA SECTION	0.000	100.000	200.000	203.000	300.000	400.000	433.000
STATION	NO. 0	NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6

VUE EN PLAN



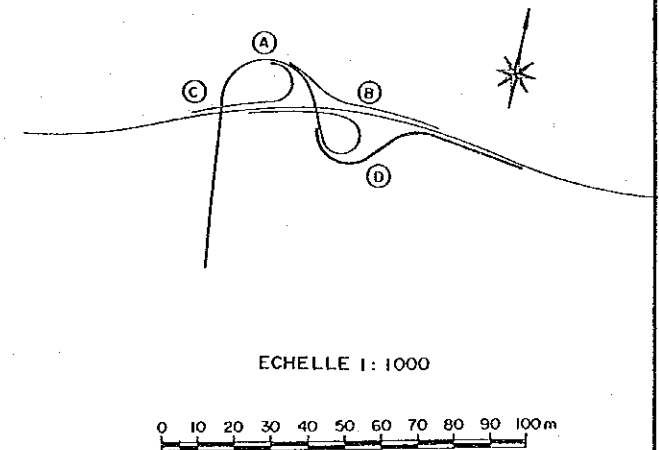
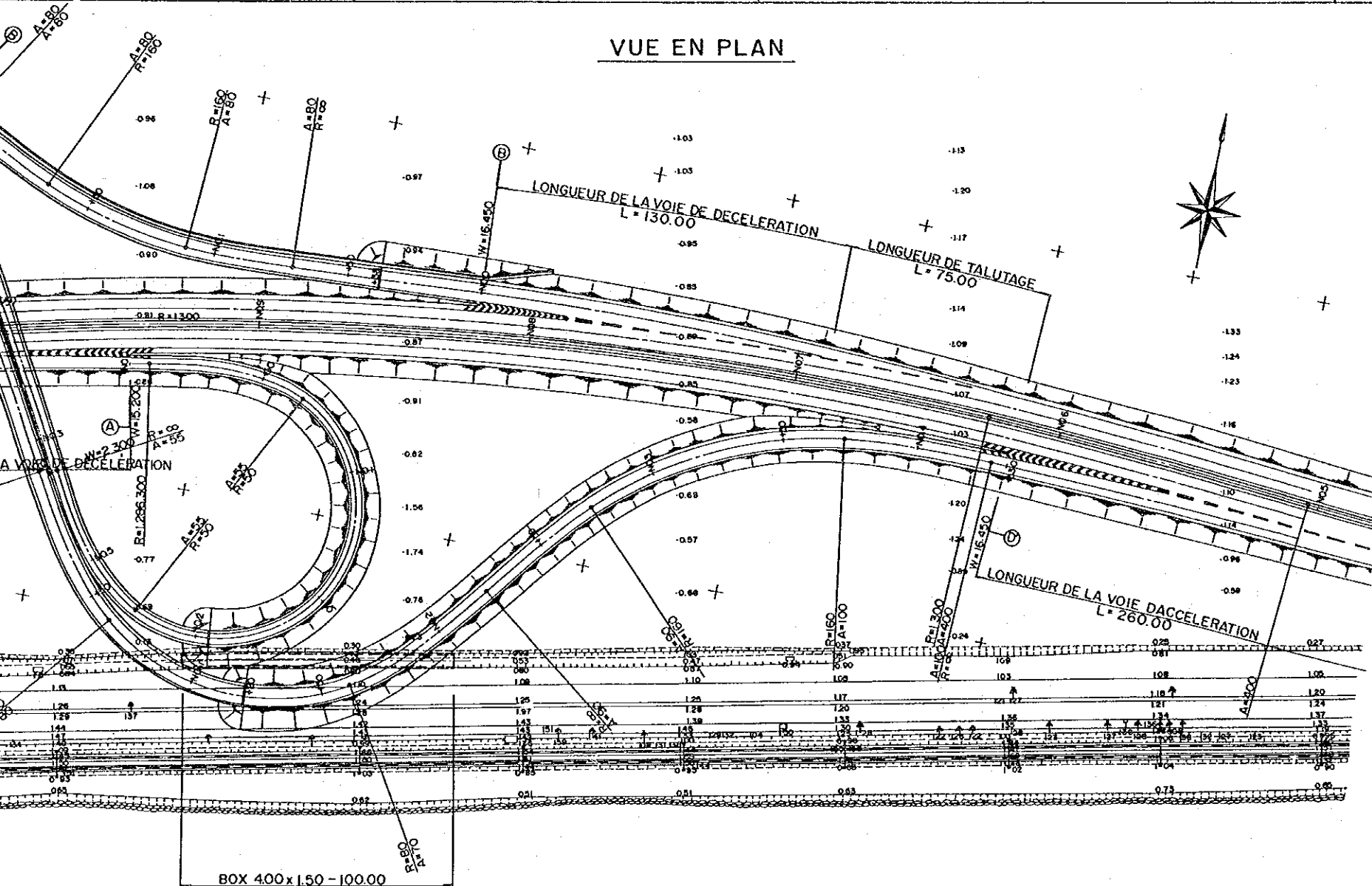
BOX 400x150-100.00

VUE EN PLAN ET PROFIL EN LONG DE LA BRETELLE - D
 COUPE LONGITUDINAL



ALTE	8580	5452	2372	1932	1609	1507	1473
PROJET	8580	5452	2372	1932	1609	1507	1473
TERRAIN	-0750	-0880	-0230	-0320	-0650	-1030	-1030
UREL	-0750	-0880	-0230	-0320	-0650	-1030	-1030
SCISSE	0000	000000	000000	000000	000000	000000	000000
OUET	0000	000000	000000	000000	000000	000000	000000
UEUR DE	0000	000000	000000	000000	000000	000000	000000
SECTION	0000	000000	000000	000000	000000	000000	000000
ATION	NO.0	NO.1	NO.2	NO.3	NO.4	NO.5	NO.6

VUE EN PLAN



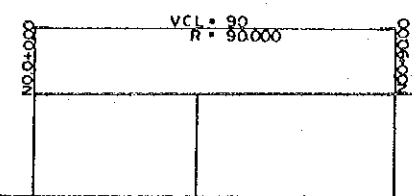
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 DU GOULET DE RADES-LA GOULETTE

VUE EN PLAN ET PROFIL EN LONG
 DE LA BRETELLE - D

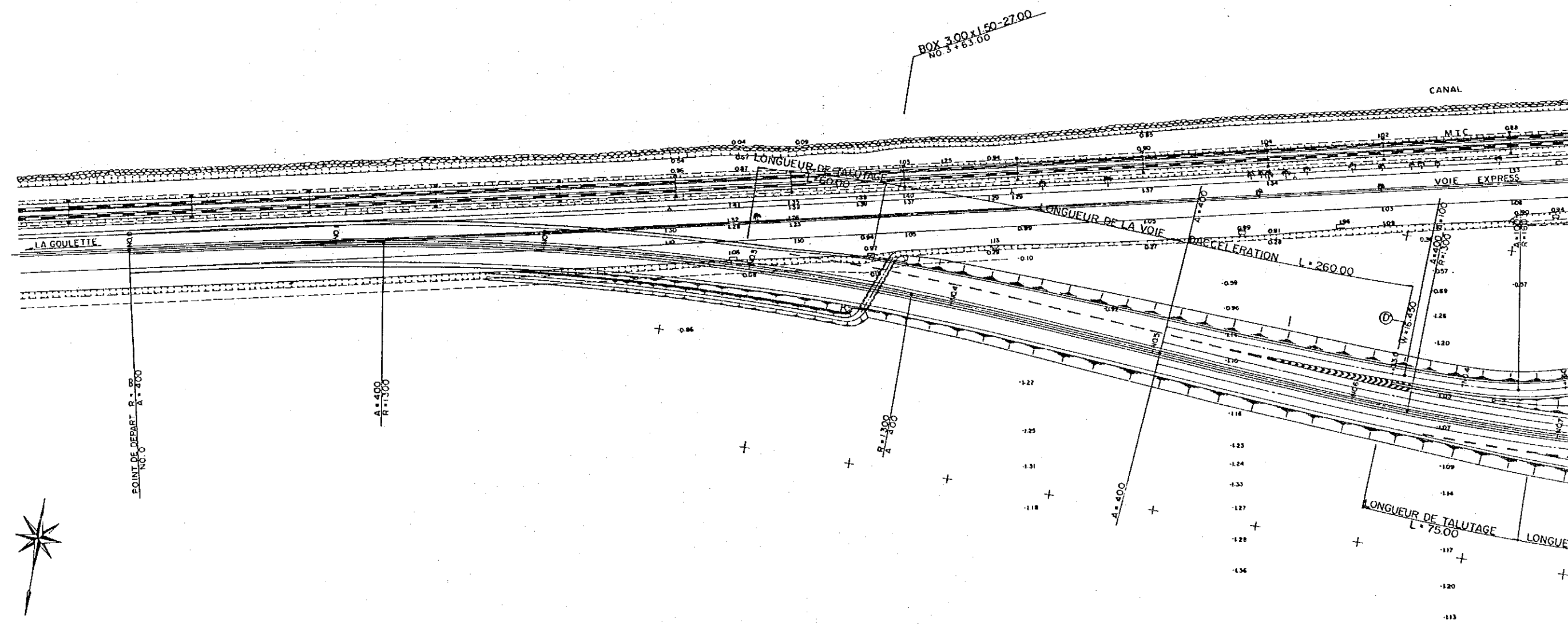
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FIG.No. 10/17
 JAN 1991

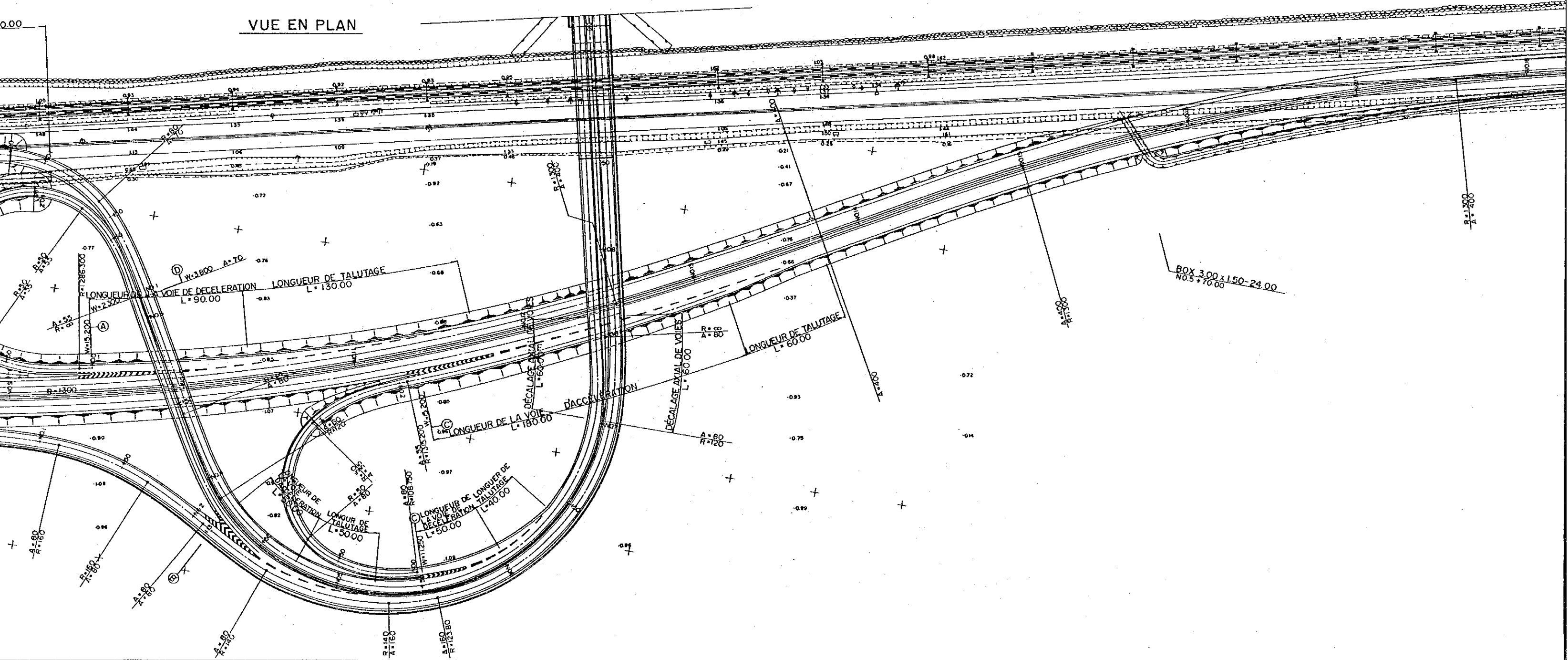
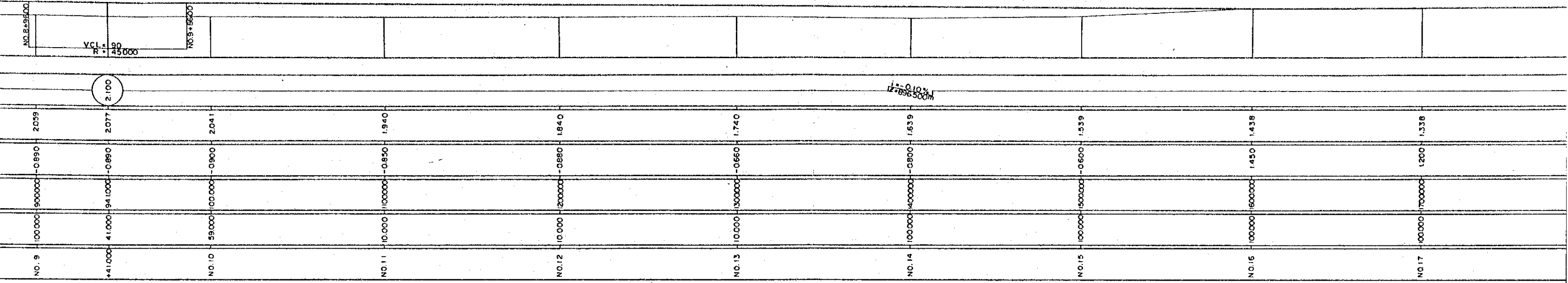
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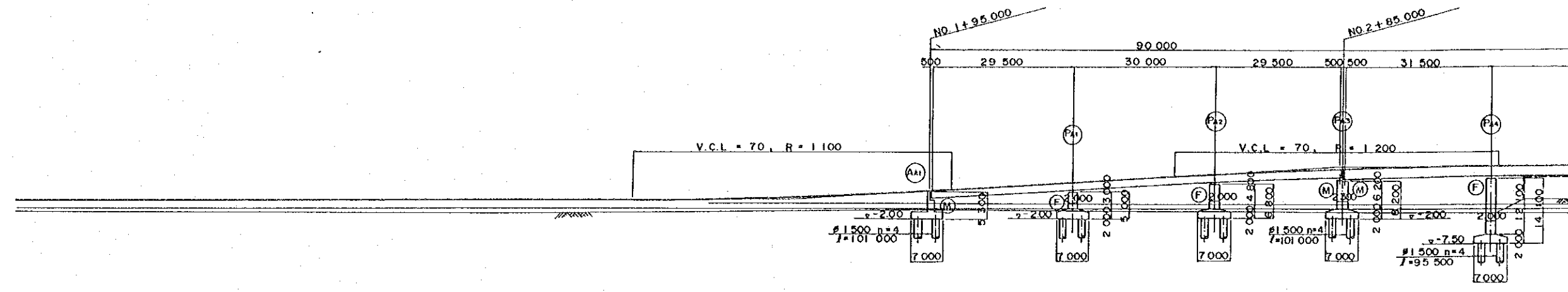
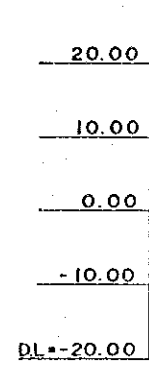


PENTE	1.200	1.200					1.010%	
COTE PROJET	1.200	1.211	1.255	1.356	1.456	1.557	1.657	1.757
COTE DU TERRAIN NATUREL	1.200	1.220	1.250	1.100	0.110	-0.880	-0.990	-1.070
ABSCISSE PROJET	0.000	45.000	100.000	200.000	300.000	400.000	500.000	600.000
LONGUEUR DE LA SECTION	0.000	45.000	55.000	100.000	100.000	100.000	100.000	100.000
STATION	NO. 0	+45.000	NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6

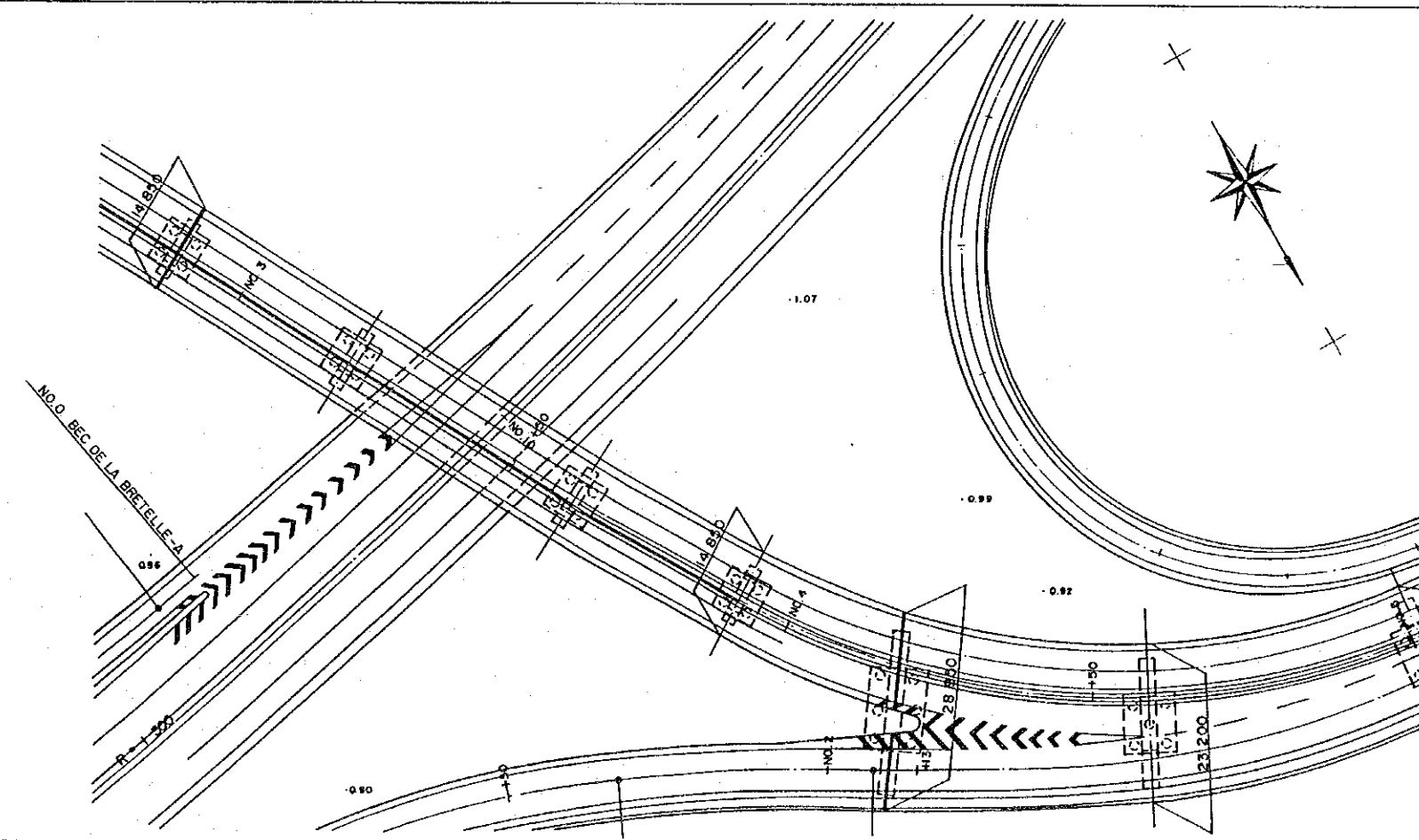
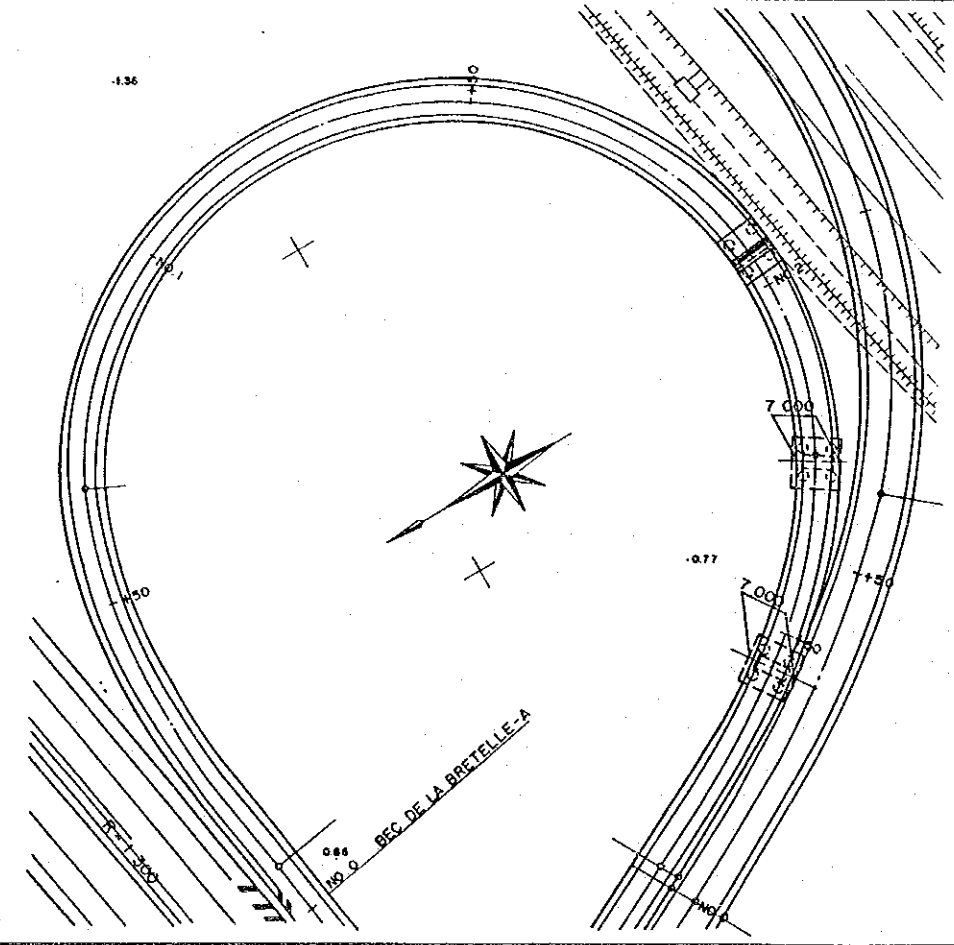


VUE EN PLAN ET PROFIL EN LONG DE LA DÉVIATION
COUPE LONGITUDINAL



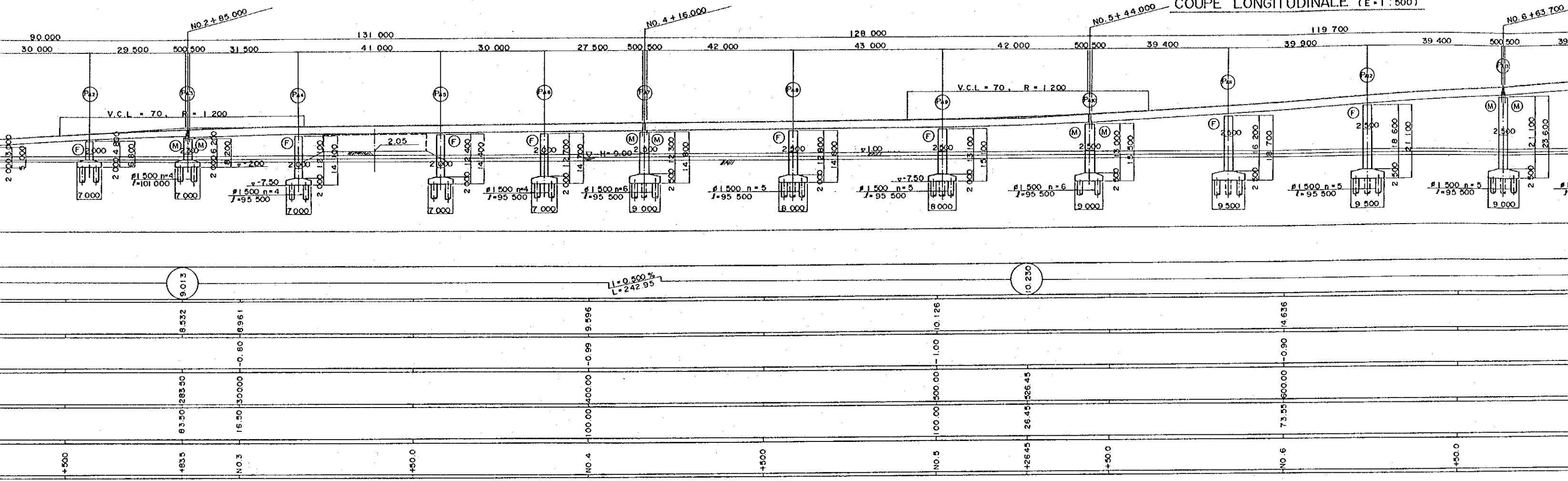


FENTE	1.722		1.890		1.890		1.890		1.890	
COTE PROJET	1.722	1.722	1.822	1.822	1.822	1.822	1.822	1.822	1.822	1.822
COTE DU TERRAIN NATUREL	-0.88	-0.88	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19
ABSCISSE PROJET	0.00	0.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
LONGUEUR DE LA SECTION	0.00	0.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
STATION	NO. 0	+500	NO. 1	+500	+64.7	+500	NO. 2	+500	+83.5	NO. 3
DECLIVITES GEOMETRIQUES PROJET										

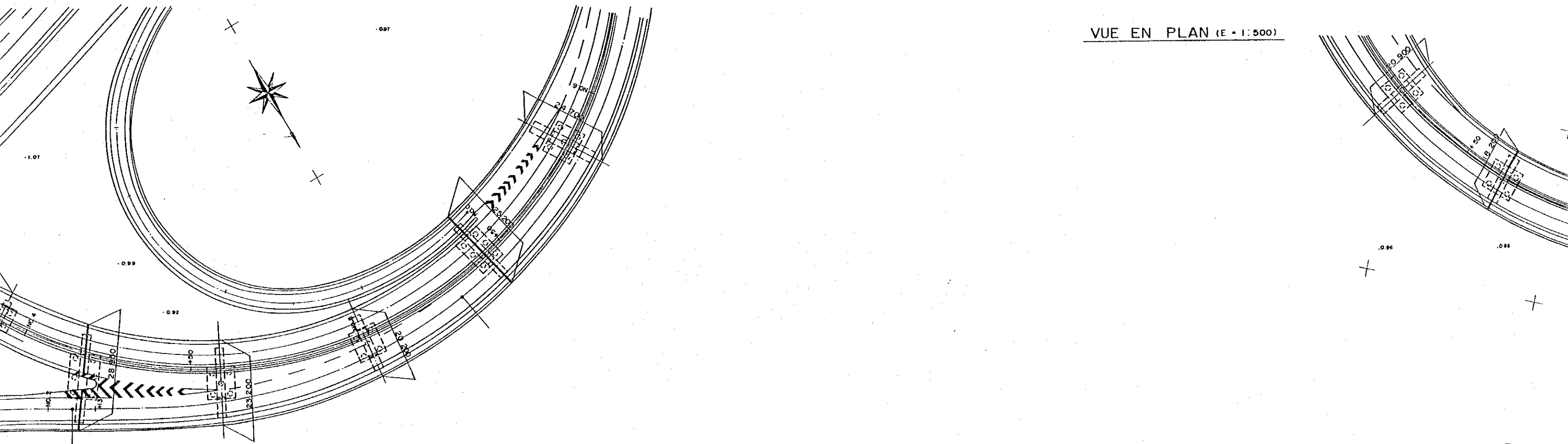


PLAN GENERAL DU PONT (1/3)

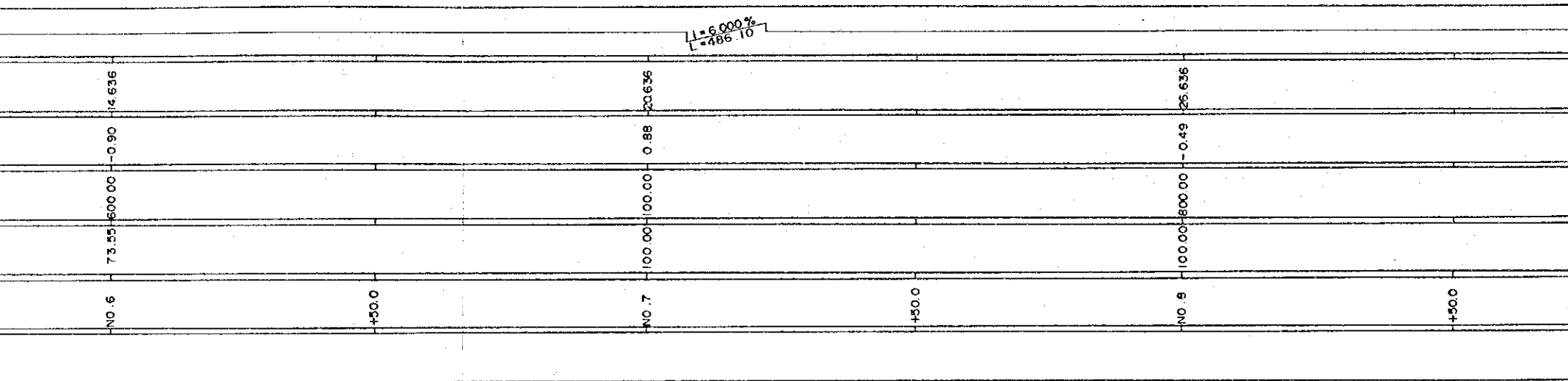
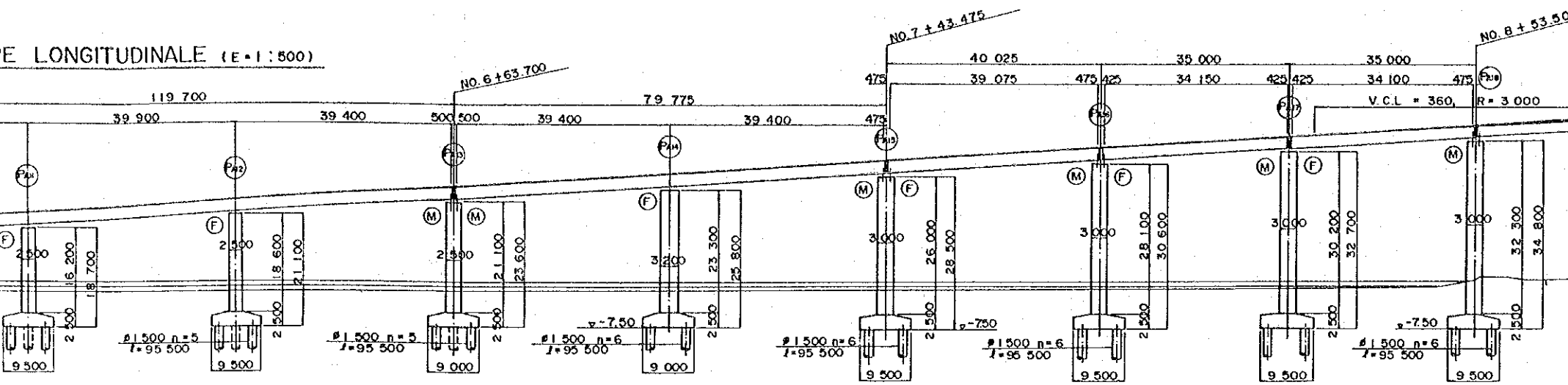
COUPE LONGITUDINALE (E = 1 : 500)



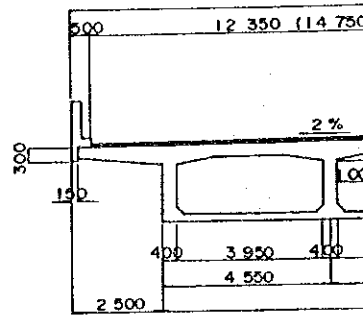
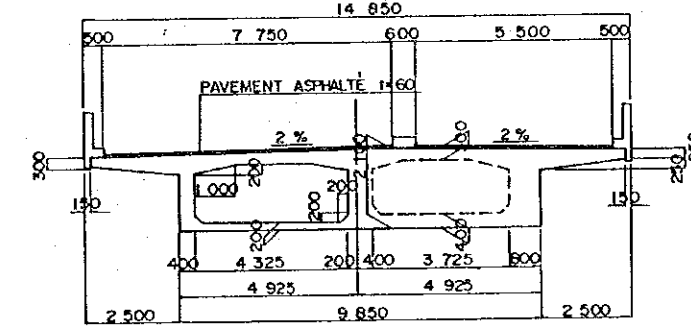
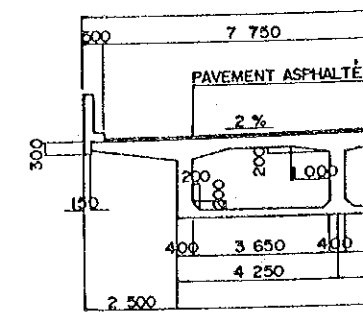
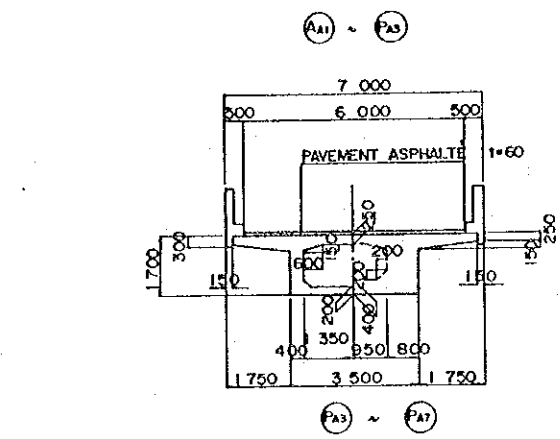
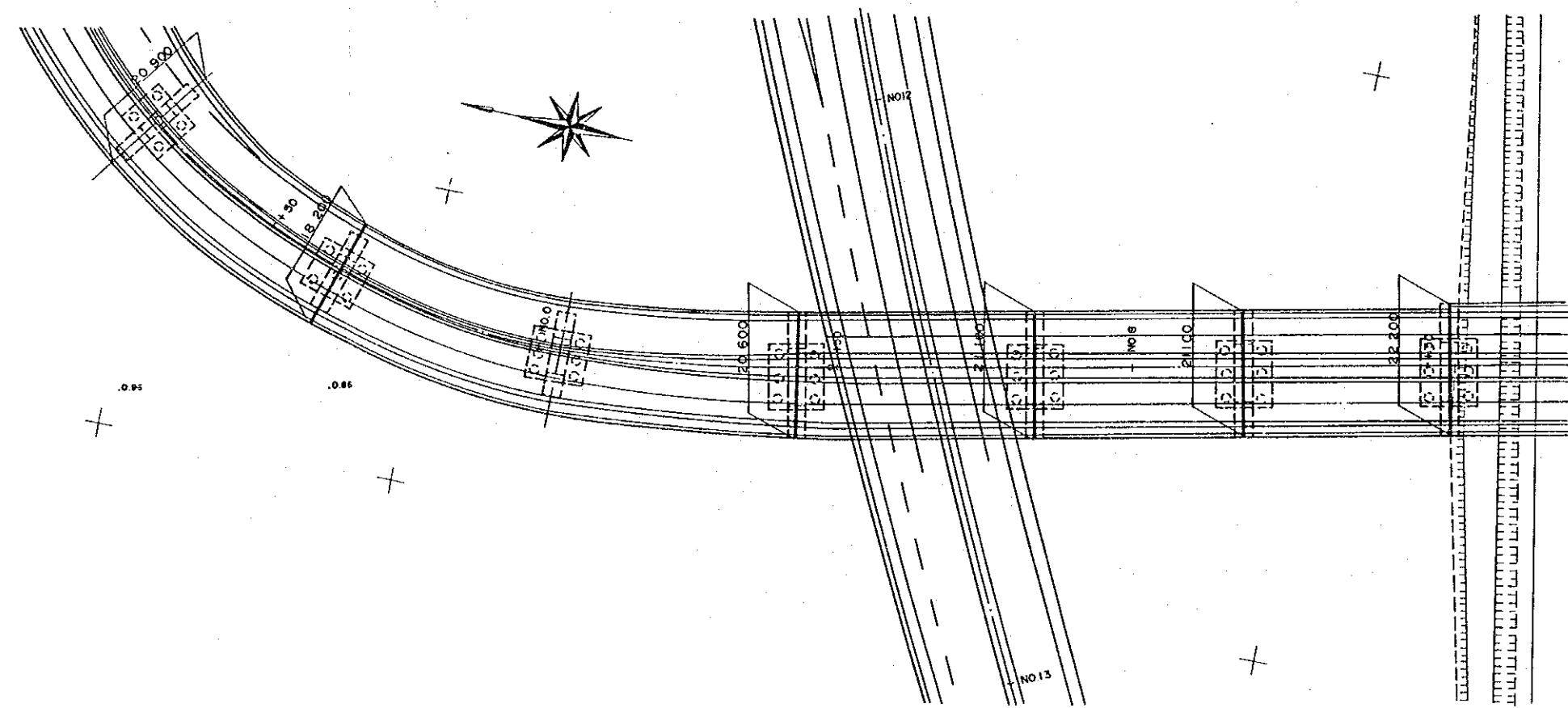
VUE EN PLAN (E = 1 : 500)



E LONGITUDINALE (E=1:500)



(E = 1:500)

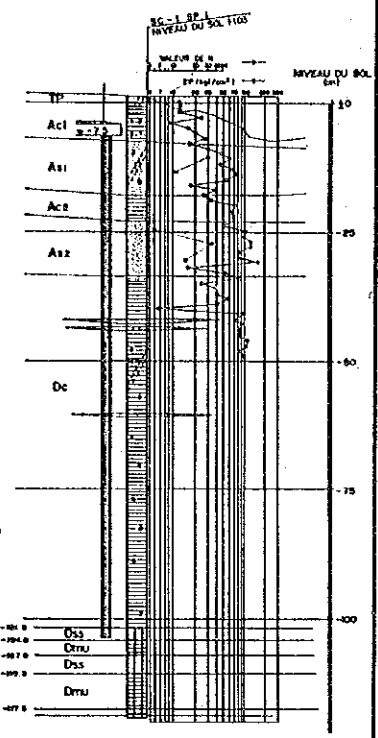
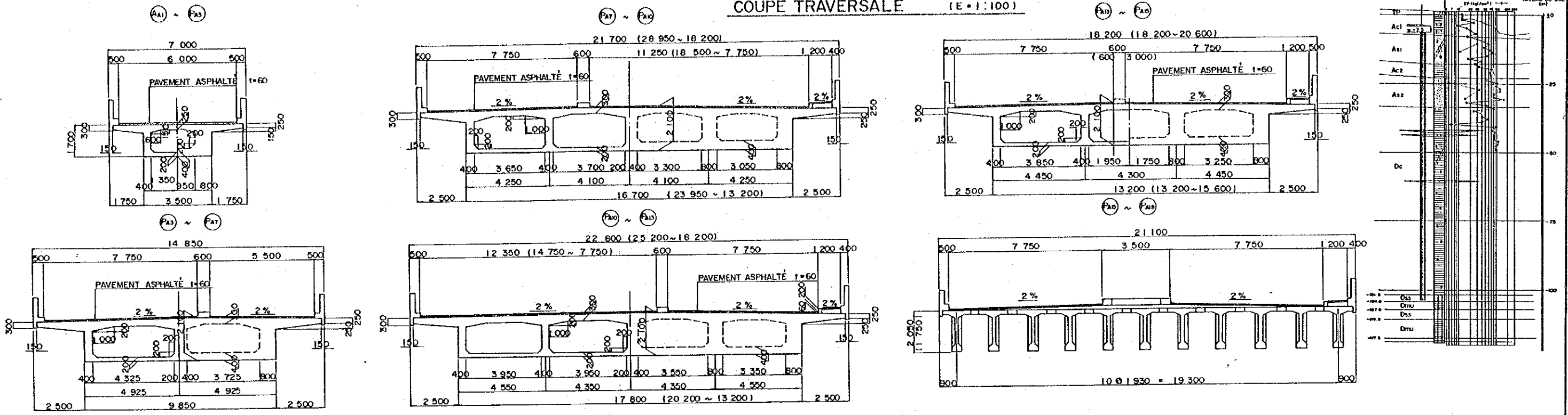


	H	H ₁
PA 1	5 000	-
2	6 800	3 300
3	8 200	4 700

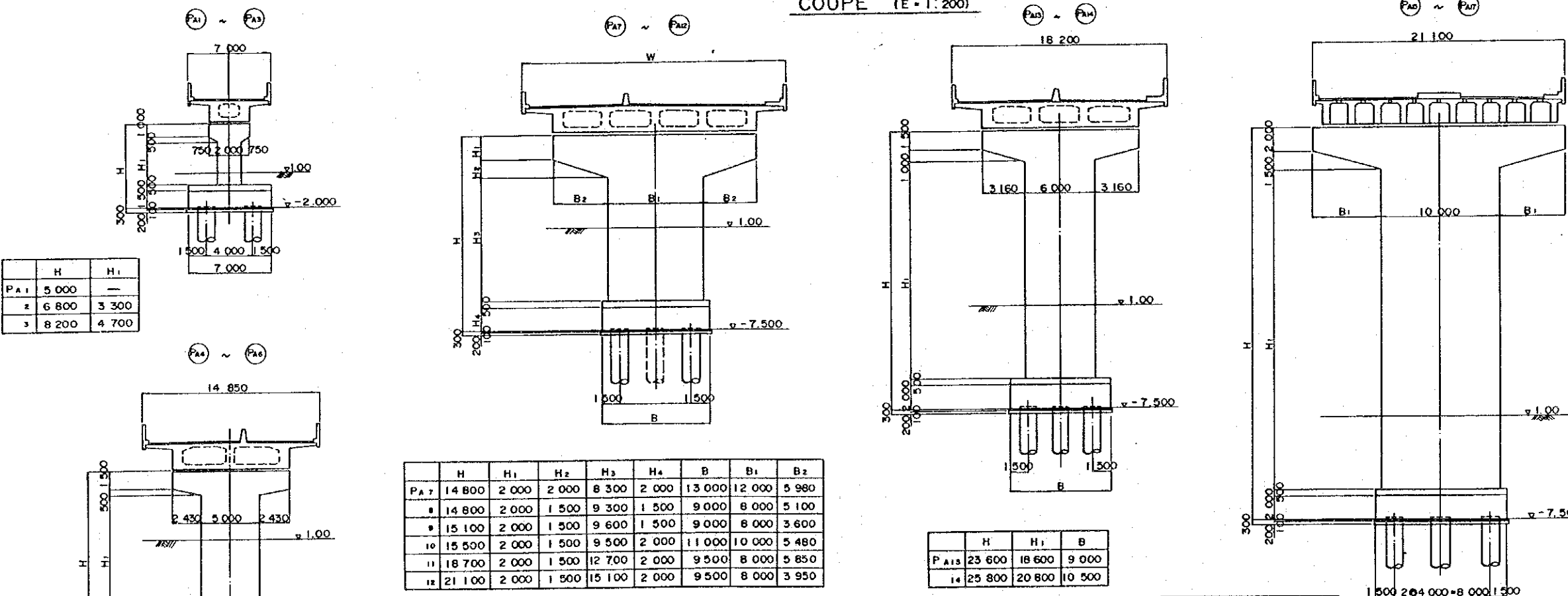
	H	H ₁
PA 4	14 100	10 100
5	14 400	10 400
6	14 700	10 700

	H	H ₁	H ₂	H ₃	H ₄	B
PA 7	14 800	2 000	2 000	8 300	2 000	13 000
8	14 800	2 000	1 500	9 300	1 500	9 000
9	15 100	2 000	1 500	9 600	1 500	9 000
10	15 500	2 000	1 500	9 500	2 000	11 000
11	18 700	2 000	1 500	12 700	2 000	9 500
12	21 100	2 000	1 500	15 100	2 000	9 500

COUPE TRAVERSEALE (E = 1:100)



COUPE (E = 1:200)



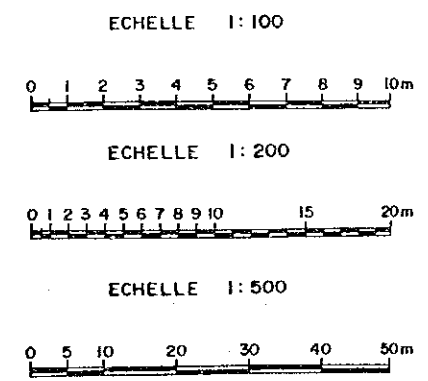
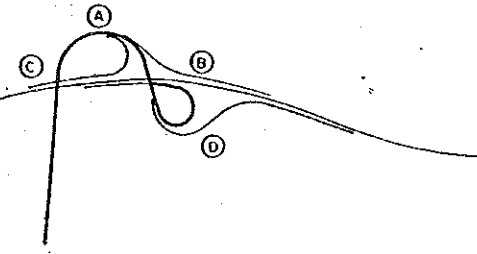
	H	H ₁
PA1	5 000	—
7	6 800	3 300
8	8 200	4 700

	H	H ₁
PA4	14 100	10 100
8	14 400	10 400
8	14 700	10 700

	H	H ₁	H ₂	H ₃	H ₄	B	B ₁	B ₂
PA7	14 800	2 000	2 000	8 300	2 000	13 000	12 000	5 980
8	14 800	2 000	1 500	9 300	1 500	9 000	8 000	5 100
9	15 100	2 000	1 500	9 600	1 500	9 000	8 000	3 600
10	15 500	2 000	1 500	9 500	2 000	11 000	10 000	5 480
11	18 700	2 000	1 500	12 700	2 000	9 500	8 000	5 850
12	21 100	2 000	1 500	15 100	2 000	9 500	8 000	3 950

	H	H ₁	B
PA13	23 600	18 600	9 000
14	25 800	20 800	10 500

	H	H ₁	B ₁
PA15	28 500	22 500	5 300
16	30 600	24 600	5 550
17	32 700	26 700	—



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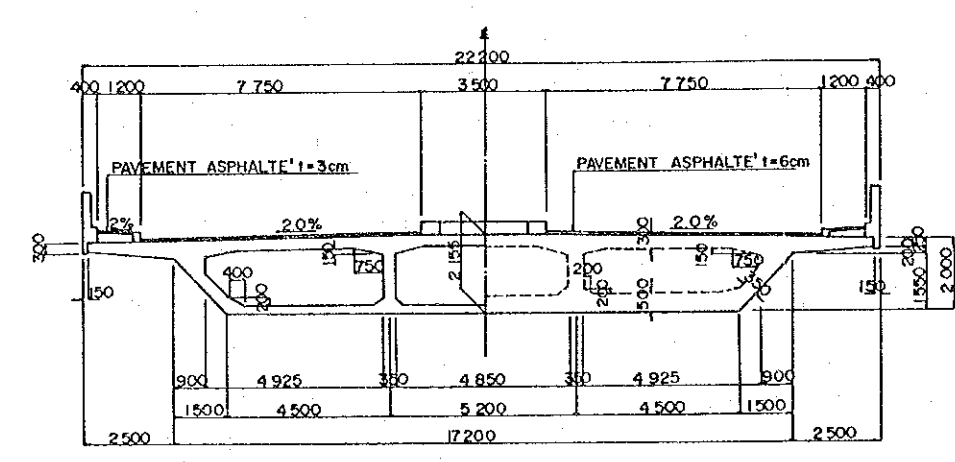
PLAN GENERAL DU PONT (1/3)

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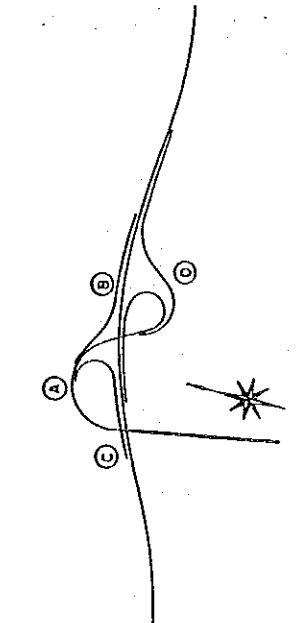
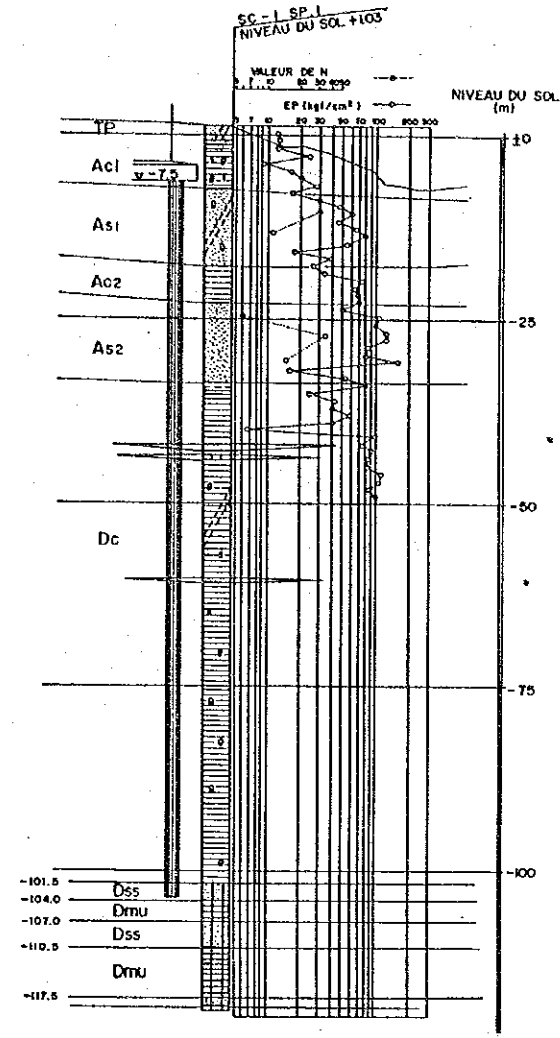
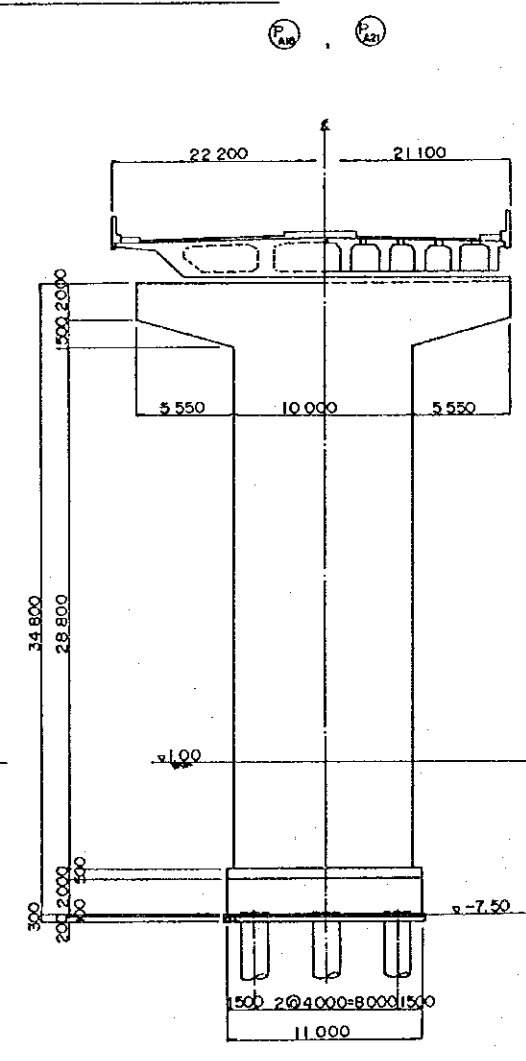
FIG.No.
12/17

NO. 11 + 53.500

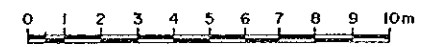
COUPE TRAVERSALE (E = 1:100)



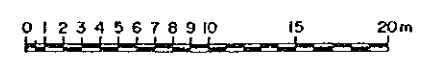
COUPE (E = 1:200)



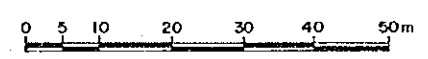
ECHELLE 1:100



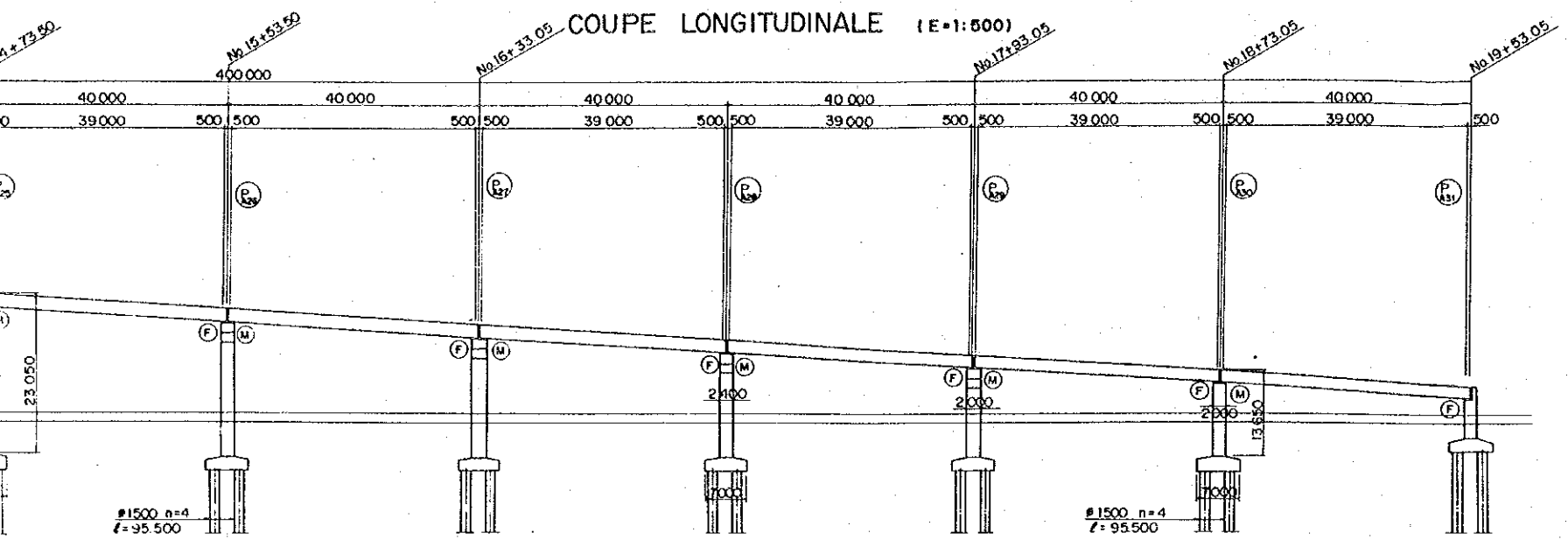
ECHELLE 1:200



ECHELLE 1:500

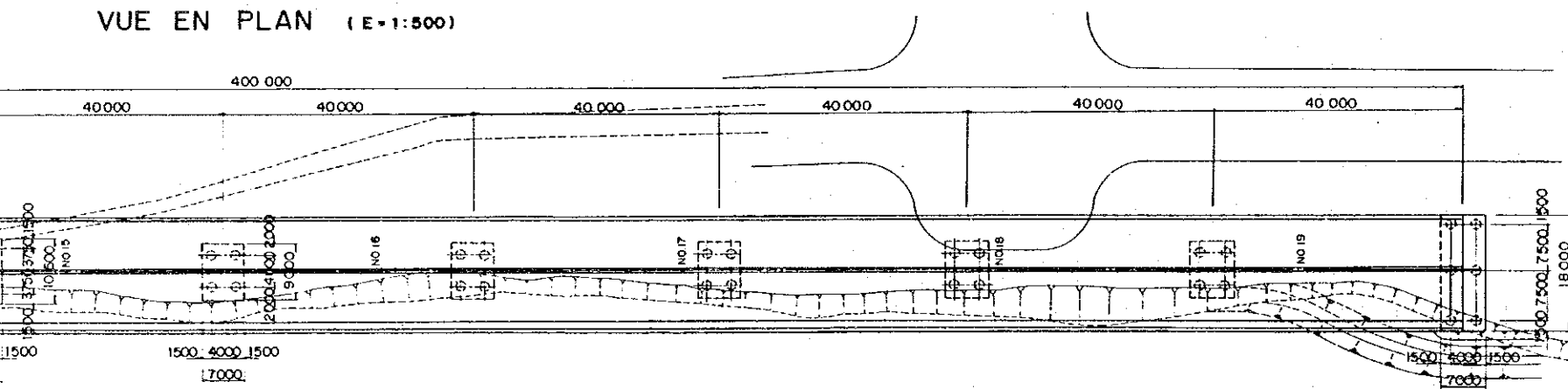


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PLAN GENERAL DU PONT (2/3)	FIG.No. 13/17
AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	JAN 1991

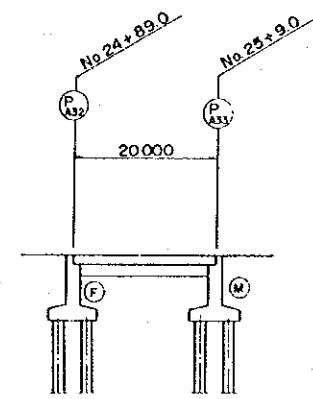


Station	Abcisse	Longueur de la section	Cote du terrain naturel	Cote projet	Declivité géométrique projet
No 15	1500.00	1500.00	1.81	2.74	$i = 6.00\%$ $L = 604.50$
No 15 + 8.00	1608.00	1000.00	2.00	2.74	
No 17	1700.00	1000.00	2.37	2.80	$i = 0.35\%$ $L = 292.00$
No 19	1900.00	1000.00	2.56	2.80	
No 19	1900.00	3600.00	2.95	2.80	

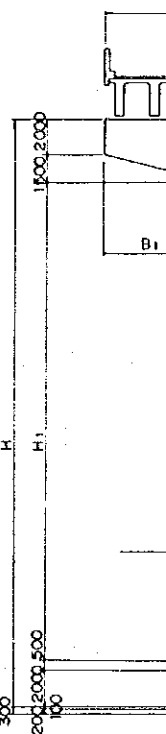
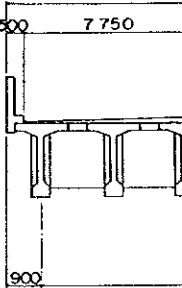
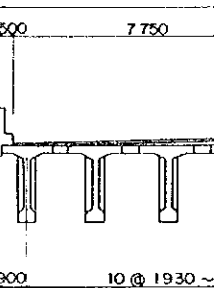
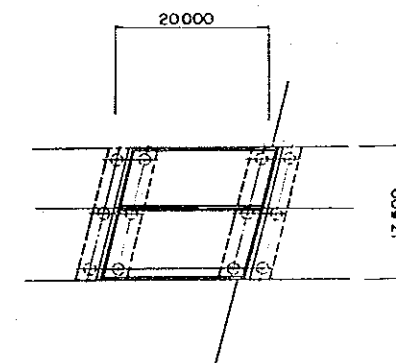
VUE EN PLAN (E=1:500)



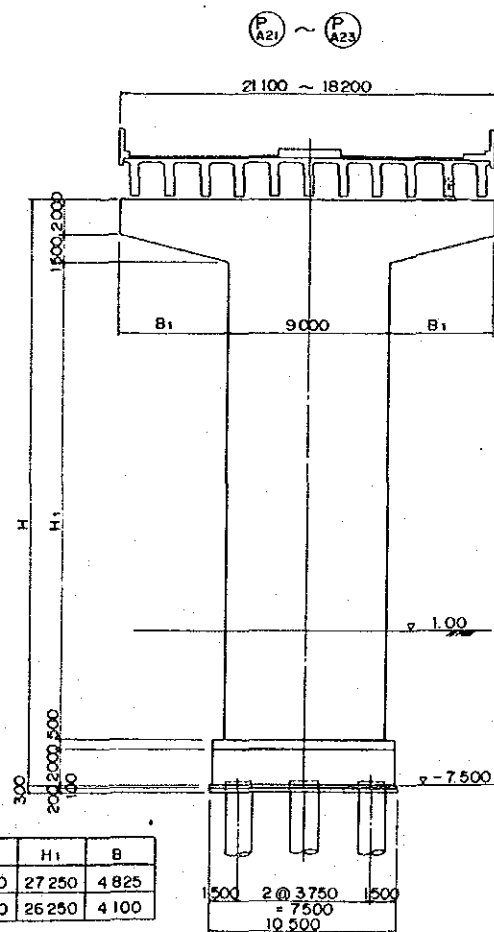
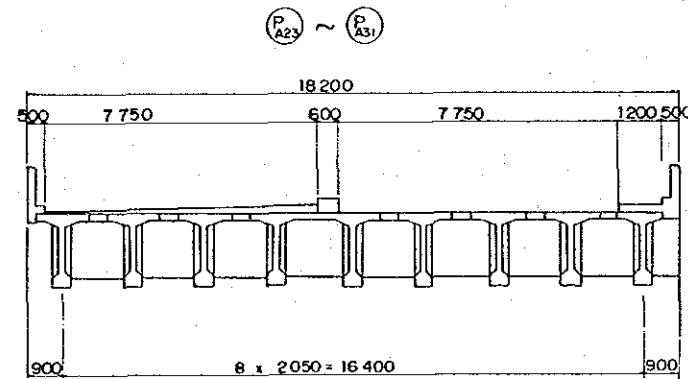
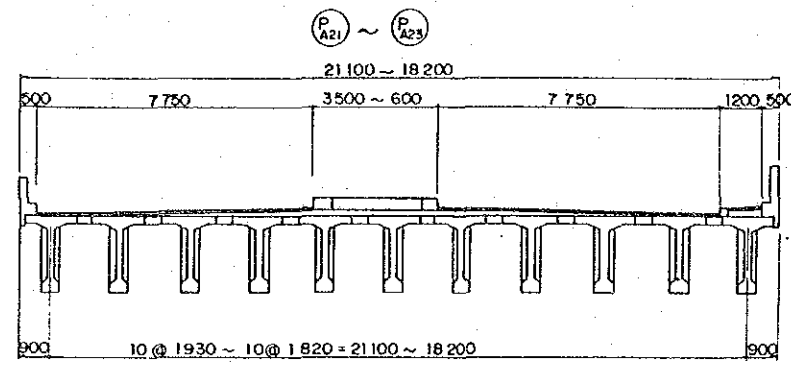
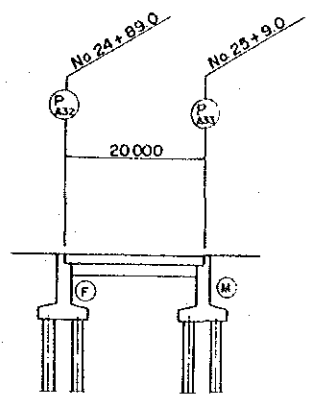
PLAN GENERAL (3/3)



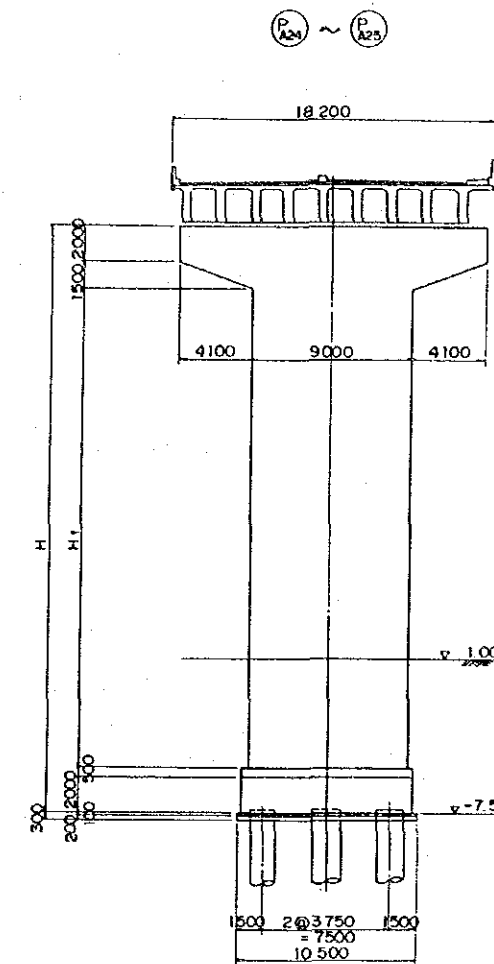
DECLIVITES GEOMETRIQUES PROJET	COTE PROJET	COTE DU TERRAIN NATUREL	ABSCISSE PROJET	LONGUEUR DE LA SECTION	STATION	TRACÉ EN PLAN
	2 74					
	2 80					



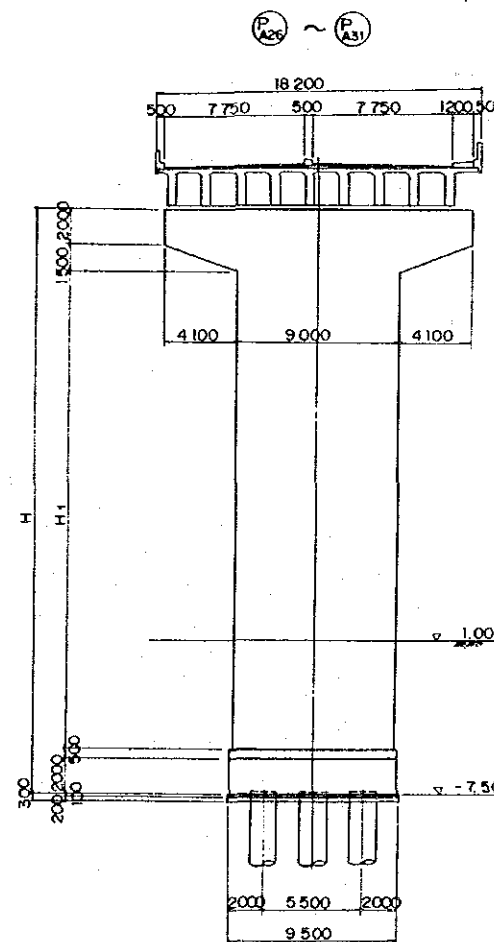
	H	H1	B
PA21	33 250	27 250	4 825
PA22	30 450	26 250	4 100



	H	H ₁	B
P _{A21}	33 250	27 250	4 825
P _{A22}	30 450	26 250	4 100

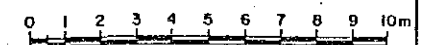


	H	H ₁
P _{A24}	28 050	22 050
P _{A25}	25 650	19 650

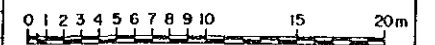


	H	H ₁
P _{A26}	23 250	17 250
P _{A27}	20 850	14 850
P _{A28}	18 450	12 450
P _{A29}	16 050	10 050
P _{A30}	13 650	7 650
P _{A31}	11 250	5 250

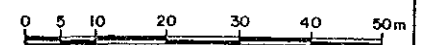
SCALE 1:100



SCALE 1:200



SCALE 1:500



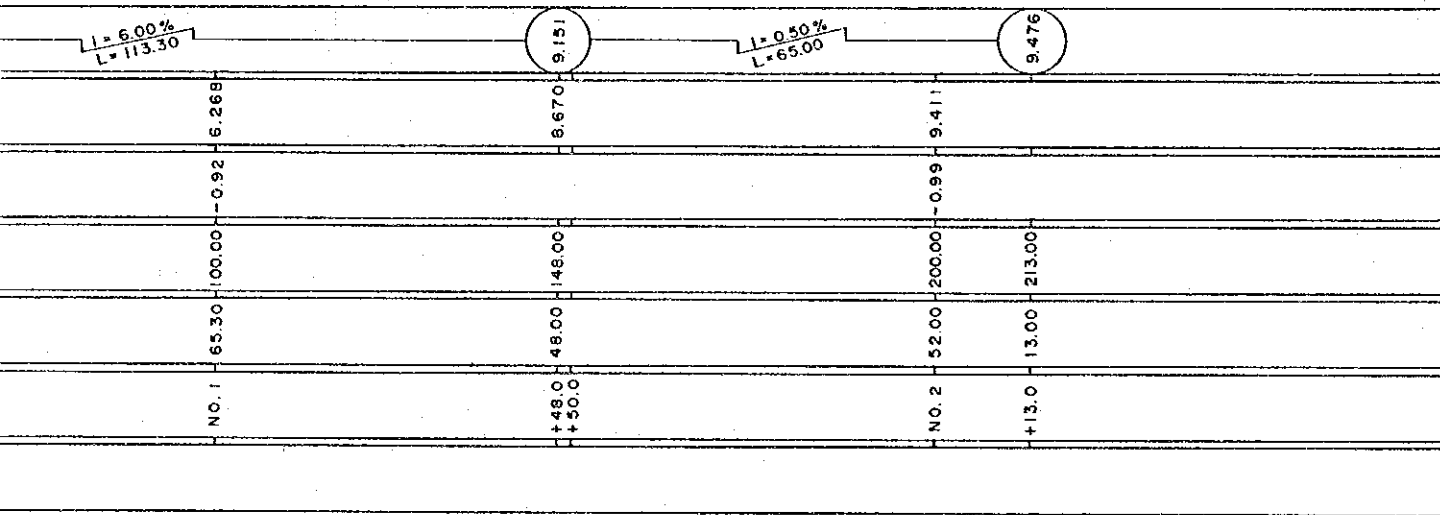
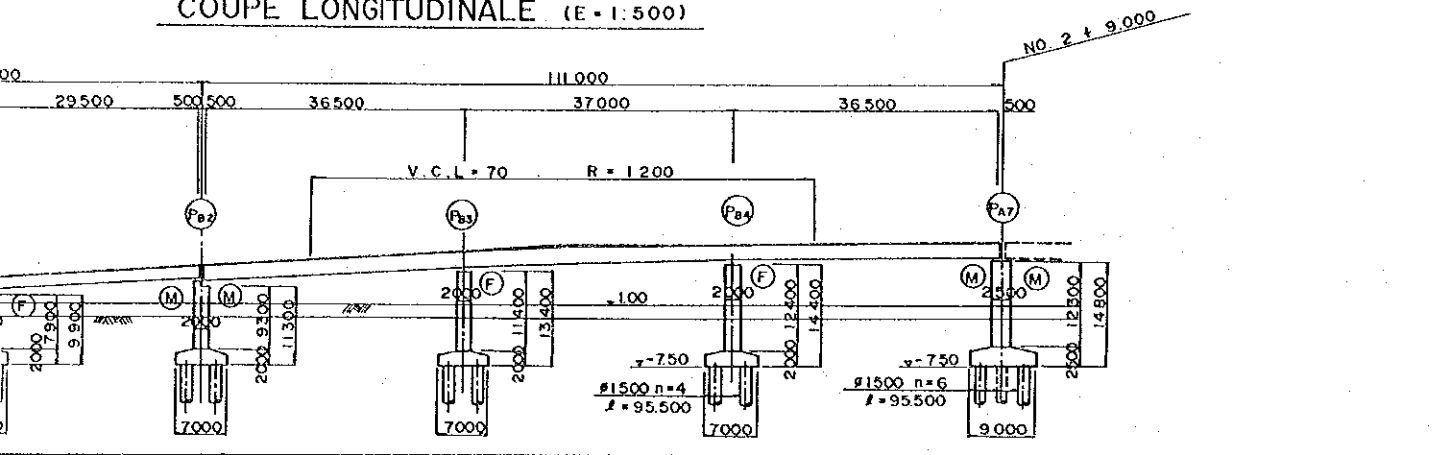
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 LA CONSTRUCTION D'UN OUVRAGE DE FRANCHISSEMENT
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PLAN GENERAL DU PONT (3/3) FIG. No. 14/17

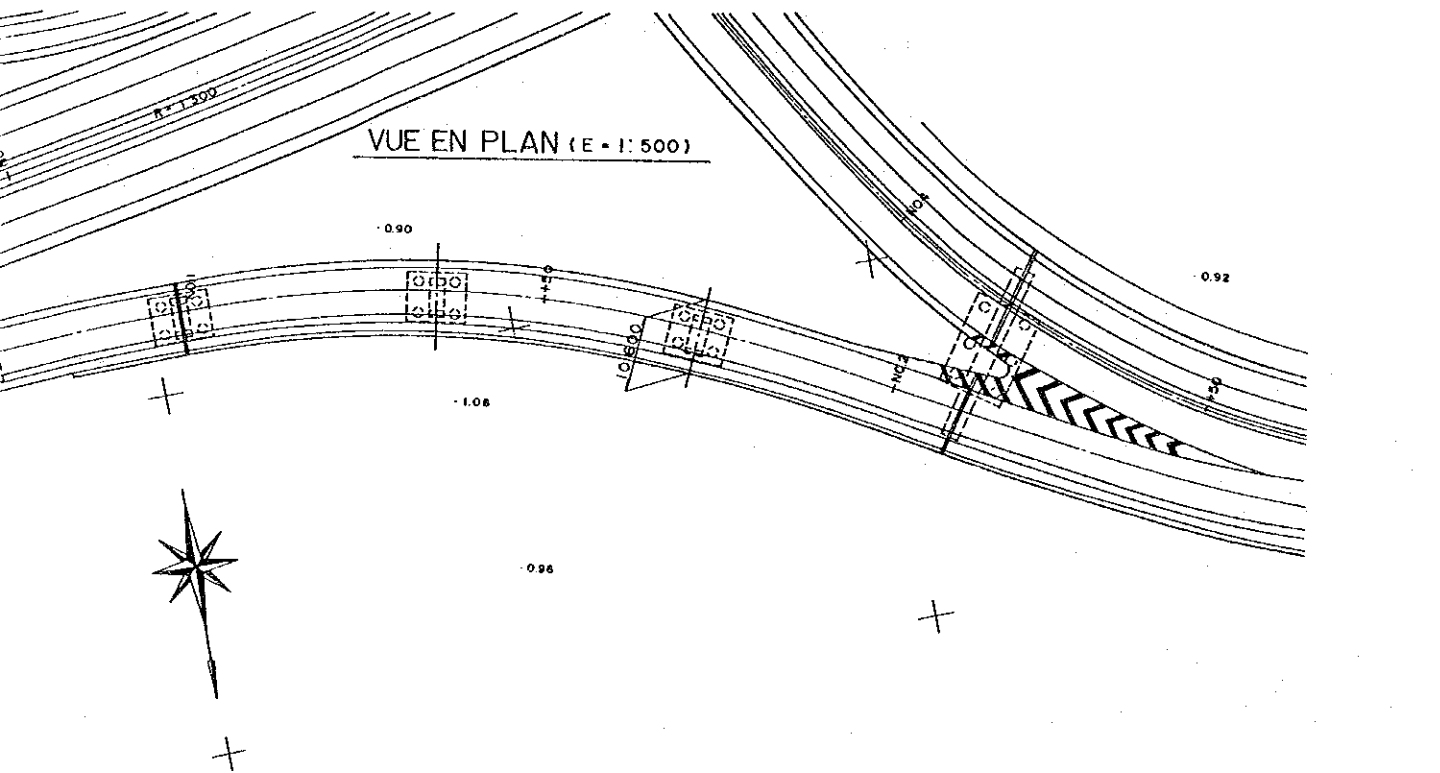
AGENCE JAPONAISE DE COOPERATION INTERNATIONALE JAN 1991

PLAN GENERAL DE L'OUVRAGE DE BRETELLE-B

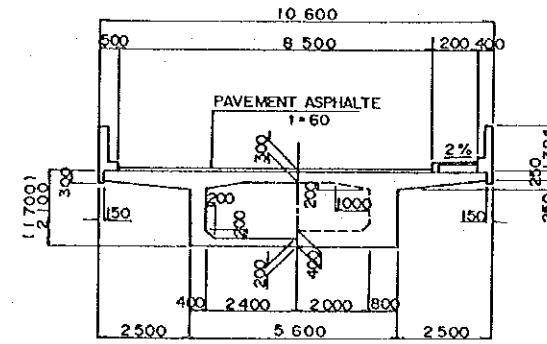
COUPE LONGITUDINALE (E = 1:500)



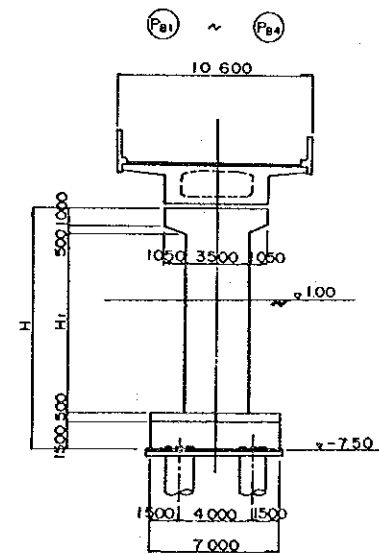
VUE EN PLAN (E = 1:500)



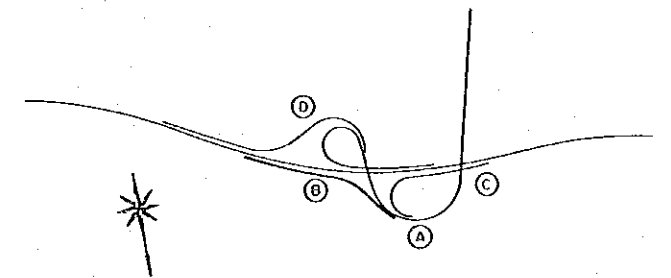
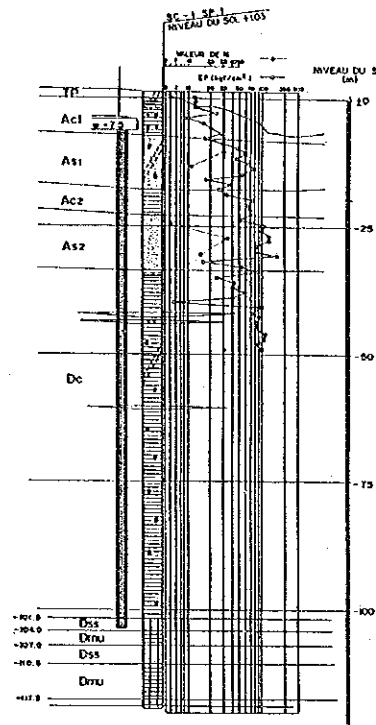
COUPE TRAVERSALE (E = 1:100)



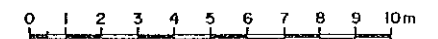
COUPE (E = 1:200)



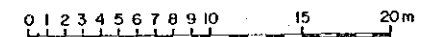
	H	H _i
P _{B1}	9 900	6 400
2	11 300	7 800
3	13 400	9 900
4	14 400	10 900



ECHELLE 1:100



ECHELLE 1:200



ECHELLE 1:500



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PLAN GENERAL DE L'OUVRAGE
 DE BRETELLE - B

FIG.No.
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AGENCE JAPONAISE DE COOPERATION INTERNATIONALE JAN 1991