

Annexe 6-4. Liste de la structure du revêtement

Location Map of Current Road Condition

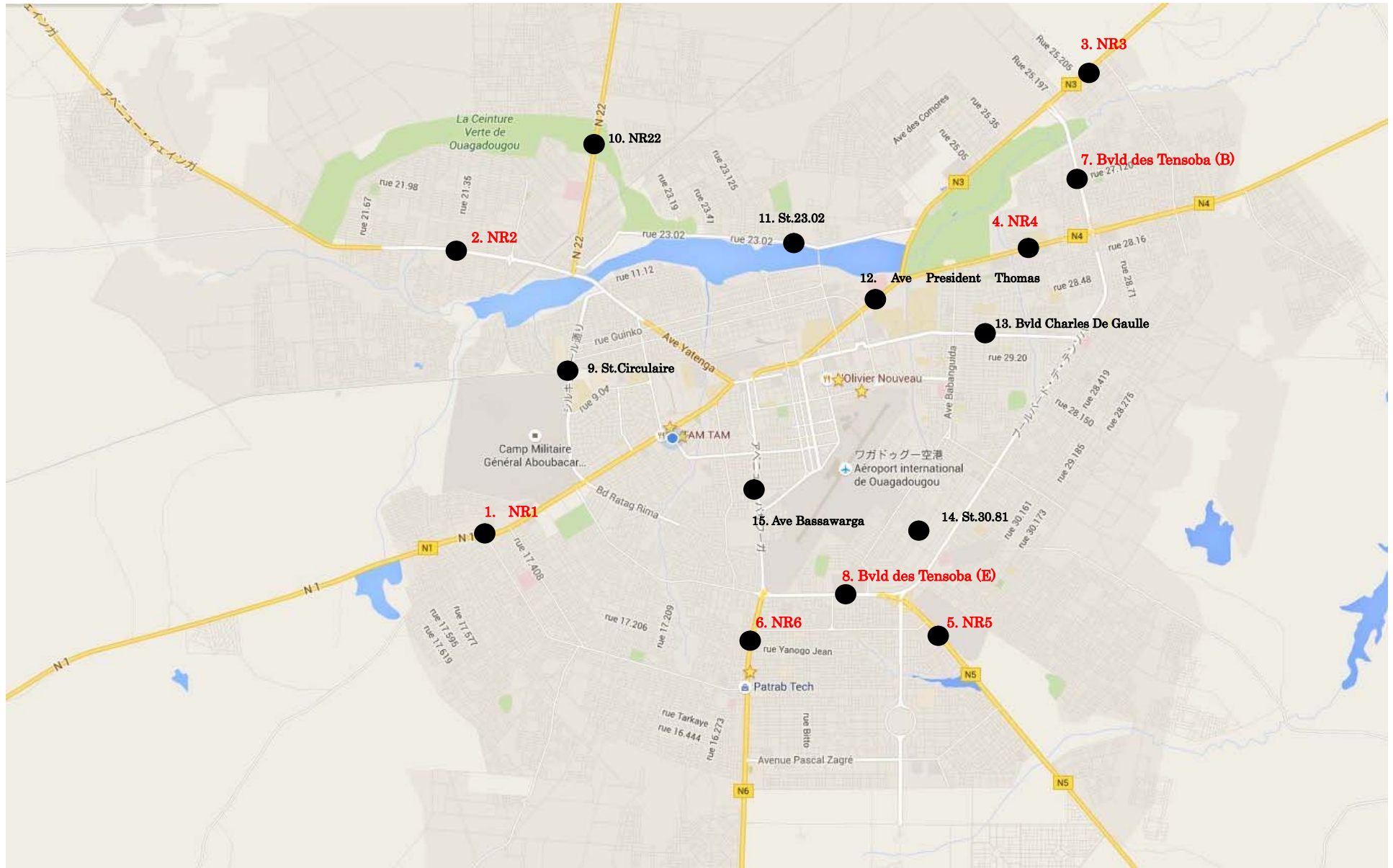




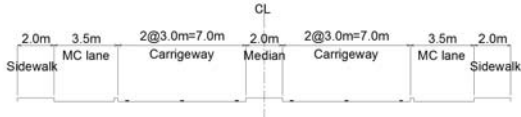
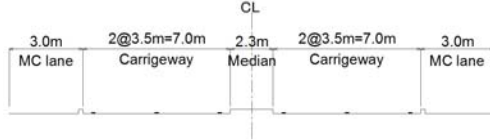
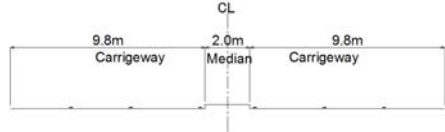


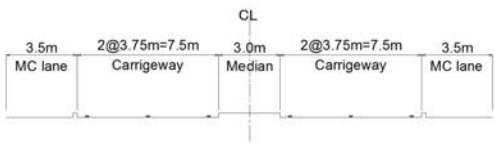
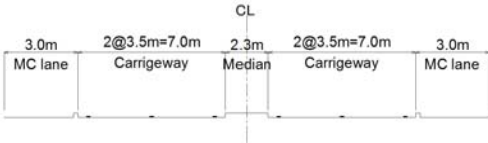
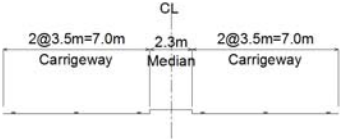








Table of Current Road Condition

No.	1	2	3				
Name of Road	NR1	NR2	NR3				
Finance	Banque Islamique de Développement (BID)		Association International pour le Développement (IDA)				
Photo							
Cross Section							
Pavement Composition (Materials & Thickness)	<table border="1"> <tr> <td>Shoulder(W=1m)</td> <td>Surface: AC 5cm</td> </tr> <tr> <td>Base:Gravel 20cm</td> <td>Subgrade (Clay with gravel) 20cm</td> </tr> </table> <p>Surface (AC10) 5cm</p> <p>Base (Bituminous stabilization) 15cm</p> <p>Sub Base (Stabilized laterite with gravel) 20cm</p> <p>Subgrade (Clay with gravel) 20cm</p>	Shoulder(W=1m)	Surface: AC 5cm	Base:Gravel 20cm	Subgrade (Clay with gravel) 20cm	<p>Surface (AC10) 5cm</p> <p>Unknown</p>	<p>Surface (AC10) 5cm</p> <p>Unknown</p>
Shoulder(W=1m)	Surface: AC 5cm						
Base:Gravel 20cm	Subgrade (Clay with gravel) 20cm						
Description	<p>PK3+509– PK8+570</p> <table border="1"> <tr> <td>Cycle road(W=3m) Surface: Sand AC 3cm Base:Gravel 15cm Subgrade:Selected material 20cm</td> <td>Sidewalk(W=2m) Surface: Concrete Block Sand layer: 5cm Base:Selected material 20cm</td> <td>Service road(W=5m) Surface: AC 4cm Base: Bituminous stabilization 10cm Sub Base: Stabilized laterite 15cm Subgrade:Clay with gravel 20cm</td> </tr> </table>	Cycle road(W=3m) Surface: Sand AC 3cm Base:Gravel 15cm Subgrade:Selected material 20cm	Sidewalk(W=2m) Surface: Concrete Block Sand layer: 5cm Base:Selected material 20cm	Service road(W=5m) Surface: AC 4cm Base: Bituminous stabilization 10cm Sub Base: Stabilized laterite 15cm Subgrade:Clay with gravel 20cm			
Cycle road(W=3m) Surface: Sand AC 3cm Base:Gravel 15cm Subgrade:Selected material 20cm	Sidewalk(W=2m) Surface: Concrete Block Sand layer: 5cm Base:Selected material 20cm	Service road(W=5m) Surface: AC 4cm Base: Bituminous stabilization 10cm Sub Base: Stabilized laterite 15cm Subgrade:Clay with gravel 20cm					

No.	4	5	6						
Name of Road	NR4	NR5	NR6						
Finance		Fonds Afracan Development (FAD)	Afracan Development Bank (AfDB)						
Photo									
Cross Section									
Pavement Composition (Materials & Thickness)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"> <u>Surface (AC10) 4cm</u> <u>Base (Bituminous stabilization) 15cm</u> <u>Sub Base (Stabilized laterite with gravel) 15cm</u> </td> <td style="width: 40%; padding: 5px; vertical-align: top;"> Shoulder(W=1m) Surface: AC 5cm Base:Gravel 20cm Subgrade (Clay with gravel) 20cm </td> </tr> </table>	<u>Surface (AC10) 4cm</u> <u>Base (Bituminous stabilization) 15cm</u> <u>Sub Base (Stabilized laterite with gravel) 15cm</u>	Shoulder(W=1m) Surface: AC 5cm Base:Gravel 20cm Subgrade (Clay with gravel) 20cm	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"> <u>Surface (AC10) 5cm</u> <u>Base (Mecanically stabilized Crushed stone 0/40) 20cm</u> Unknown </td> <td style="width: 40%;"></td> </tr> </table>	<u>Surface (AC10) 5cm</u> <u>Base (Mecanically stabilized Crushed stone 0/40) 20cm</u> Unknown		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"> <u>Surface (AC10) 5cm</u> Unknown </td> <td style="width: 40%;"></td> </tr> </table>	<u>Surface (AC10) 5cm</u> Unknown	
<u>Surface (AC10) 4cm</u> <u>Base (Bituminous stabilization) 15cm</u> <u>Sub Base (Stabilized laterite with gravel) 15cm</u>	Shoulder(W=1m) Surface: AC 5cm Base:Gravel 20cm Subgrade (Clay with gravel) 20cm								
<u>Surface (AC10) 5cm</u> <u>Base (Mecanically stabilized Crushed stone 0/40) 20cm</u> Unknown									
<u>Surface (AC10) 5cm</u> Unknown									
Description	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 5px;"> PK3+509- PK8+570 Cycle road(W=3m) Surface: Sand AC 3cm Base:Gravel 15cm Subgrade:Slected material 20cm </td> <td style="width: 33%; padding: 5px;"> Sidewalk(W=2m) Surface: Concrete Block Sand layer: 5cm Base:Selected material 20cm </td> <td style="width: 33%; padding: 5px;"> Service road(W=5m) Surface: AC 4cm Base: Bituminous stabilization 10cm Sub Base: Stabilized laterite 15cm </td> </tr> </table>	PK3+509- PK8+570 Cycle road(W=3m) Surface: Sand AC 3cm Base:Gravel 15cm Subgrade:Slected material 20cm	Sidewalk(W=2m) Surface: Concrete Block Sand layer: 5cm Base:Selected material 20cm	Service road(W=5m) Surface: AC 4cm Base: Bituminous stabilization 10cm Sub Base: Stabilized laterite 15cm	Completed in 2011				
PK3+509- PK8+570 Cycle road(W=3m) Surface: Sand AC 3cm Base:Gravel 15cm Subgrade:Slected material 20cm	Sidewalk(W=2m) Surface: Concrete Block Sand layer: 5cm Base:Selected material 20cm	Service road(W=5m) Surface: AC 4cm Base: Bituminous stabilization 10cm Sub Base: Stabilized laterite 15cm							

No.	7	8	9
Name of Road	Bvld des Tensoba (B)	Bvld des Tensoba (E)	St.Circulaire
Finance	Government	African Development Bank (AfDB)	
Photo			
Cross Section			
Pavement Composition (Materials & Thickness)	<u>Surface (AC10) 5cm</u> <u>Base (Bituminous stabilization) 10cm</u> <u>Sub Base (Stabilized laterite with gravel) 15cm</u> <u>Subgrade (Gravery Laterite) 20cm</u>	<u>Surface (AC10) 5cm</u> <u>Base (Bituminous stabilization)</u>	<u>Surface (AC10) 5cm</u> Unknown
Description	Completed in 2011	Completed in 2011	

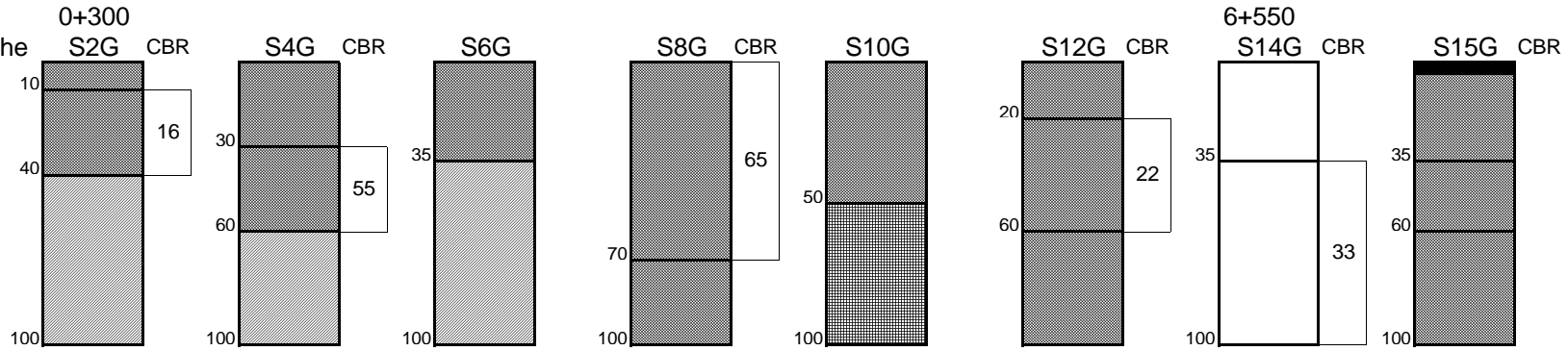
No.	10	11	12
Name of Road	NR22	St.23.02	Ave President Thomas
Finance	Fonds Africane de Développement (FAD)		
Photo			
Cross Section			
Pavement Composition (Materials & Thickness)	<hr/> Surface (AC10) 5cm <hr/> Unknown <hr/>	<hr/> Surface (AC10) 5cm <hr/> Unknown <hr/>	<hr/> Surface (AC10) 5cm <hr/> Unknown <hr/>
Description			Under Widening

No.	13	14	15
Name of Road	Bvld Charles De Gaulle	St.30.81	Ave Bassawarga
Finance			
Photo			
Cross Section			
Pavement Composition (Materials & Thickness)	<hr/> <u>Surface (AC10) 5cm</u> <hr/> Unknown <hr/>	<hr/> <u>Surface (AC10) 5cm</u> <hr/> Unknown <hr/>	<hr/> <u>Surface (AC10) 5cm</u> <hr/> <u>Base (Mecanically stabilized crushed stone (30%) and laterite (70%))</u> <hr/> Unknown <hr/>
Description			

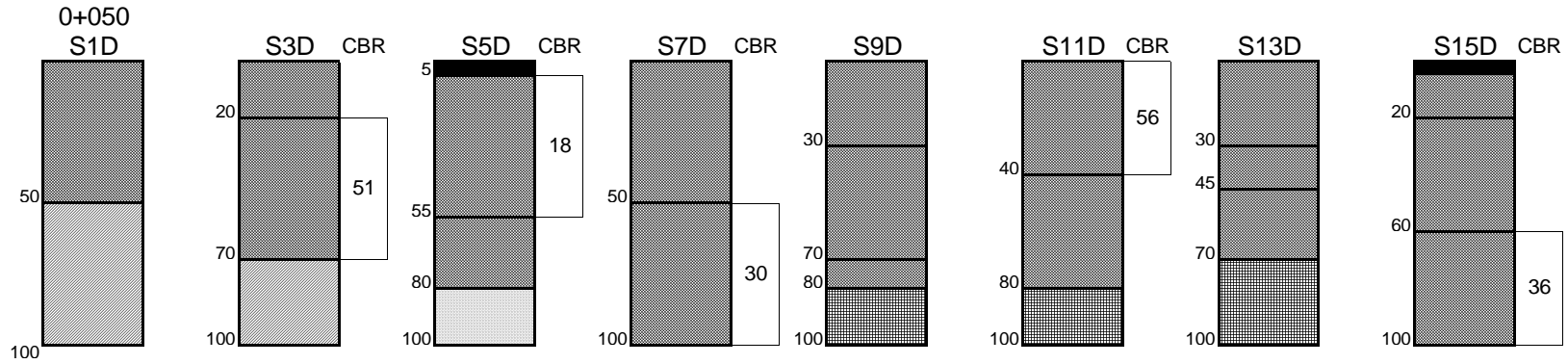
Annexe 6-5. Résultats du forage d'essai du sol






PARTIE DE CHAUSSE

左車線
C. Gauche



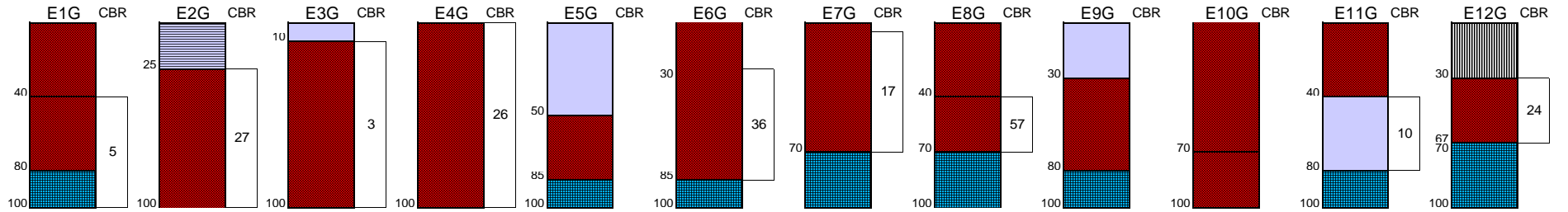
右車線
C. Droit
A - 193



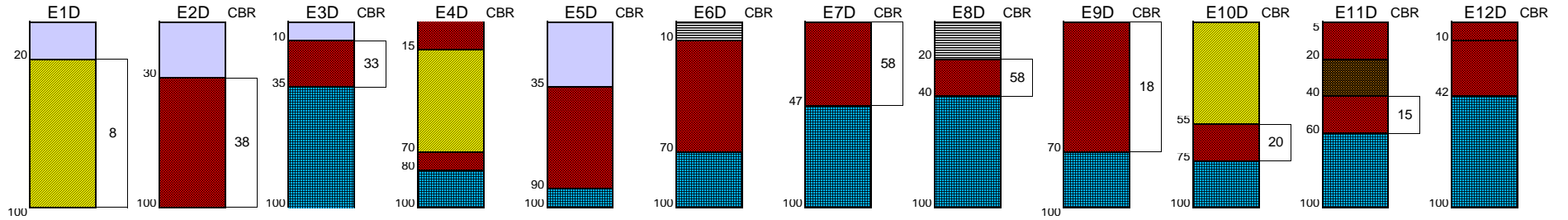
-  アスファルト Bitum
-  粘性質礫 Gravel arglieuse lat
-  礫質粘性土 Arglle graveleuse
-  砂質粘性土 Arglle jaune sableuse
-  固結土 Carapace lat fiable

PARTIE DE ELARGISSEMENT

左車線
C. Gauche



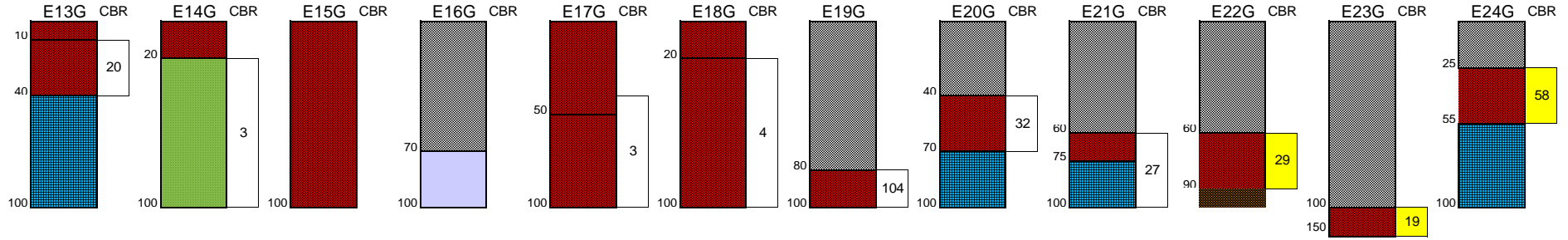
右車線
C. Droit



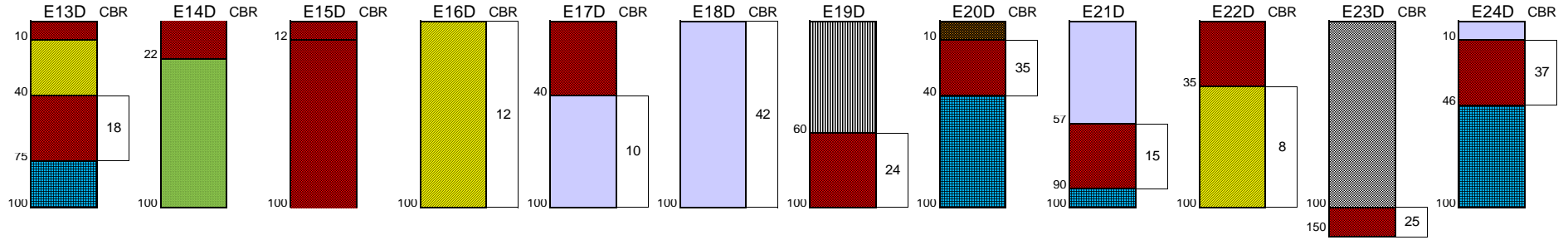
A - 194



左車線
C. Gauche

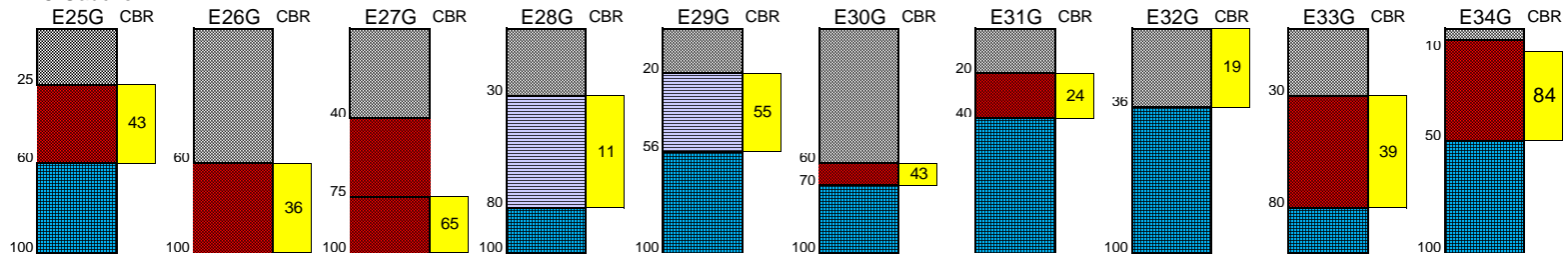


右車線
C. Droit

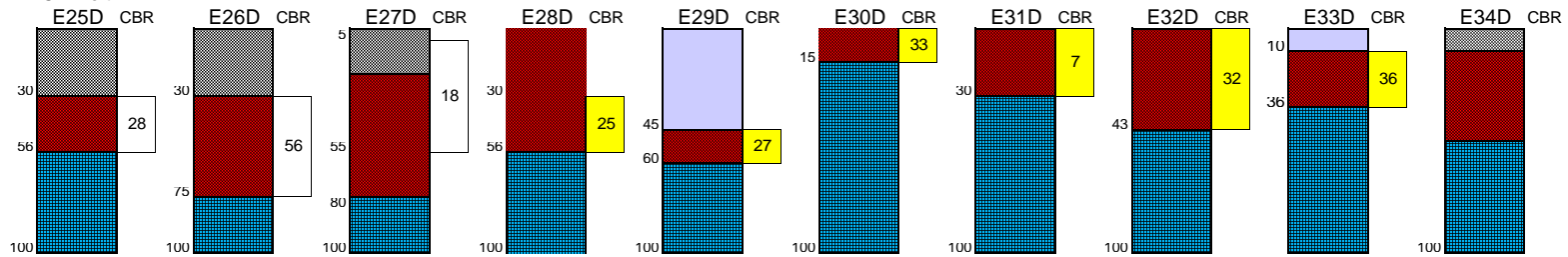


- アスファルト Bitum
- 粘性質礫 Gravel argileuse lat
- 礫質粘性土 Argile graveleuse
- 砂質粘性土 Argile jaune sableuse
- 固結土 Carapace lat fiable
- 礫質砂質土 gravel sableuse
- 砂質土 Sable
- Limon
- 粘土 Argile
- Tout venant
- Rembial

左車線
C. Gauche



右車線
C. Droit



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- アスファルト Bitum
- 粘性質礫 Gravel argileuse lat
- 礫質粘性土 Argile graveleuse
- 砂質粘性土 Argile jaune sableuse
- 固結土 Carapace lat fiable
- 礫質砂質土 gravel sableuse
- 砂質土 Sable
- Limon
- 粘土 Argile
- Tout venant
- Rembial

Annexe 6-6. Aspect des signaux existants

Name: IS1 S	C=68sec		All Red= 22sec	
	ϕ 1	ϕ 2		
	28s	18s		

Name: IS2	C=78sec		All Red= 4sec	
	ϕ 1	ϕ 2	ϕ 3	
	28s	28s	18s	

Name: IS3 S	C=85sec		All Red= 14sec	
	ϕ 1	ϕ 2	ϕ 3	
	23s	23s	25s	

Name: IS4	C=94sec		All Red= 12sec	
	ϕ 1	ϕ 2	ϕ 3	ϕ 4
	23s	23s	18s	18s

Name: IS5	C=50sec		All Red= 4sec	
	ϕ 1	ϕ 2		
	23s	23s		

Name: IS6	C=50sec		All Red= 4sec	
	ϕ 1	ϕ 2		
	23s	23s		

Name: IS7 S	C=100sec			All Red= 13sec	
	ϕ 1	ϕ 2	ϕ 3	ϕ 4	ϕ 5
	22s	5s	23s	14s	23s

Name: IS8 S	C=60sec		All Red= 6sec	
	ϕ 1	ϕ 2		
	39s	15s		

Name: IS9	C=70sec		All Red= 4sec	
	ϕ 1	ϕ 2		
	43s	23s		

Name: IS10	C=88sec		All Red= 6sec	
	ϕ 1	ϕ 2	ϕ 3	
	31s	33s	18s	

Annexe 6-7. Résultats de l'enquête sur des objets enterrés

		Cote Gauche							Cote droit							
		電話 ONATEL	光77小- FIBRE	電氣 SONABELLE	水道 ONEA	中央分離帯 Terre Plain Central	電話 ONATEL	光77小- FIBRE	電氣 SONABELLE	水道 ONEA	中央分離帯 Terre Plain Central	電話 ONATEL	光77小- FIBRE	電氣 SONABELLE	水道 ONEA	中込鉄塔 Pyrolog
0+00		0.03					0.03									
0+050																
0+100																
0+150																
0+200																
0+250																
0+300																
0+350																
0+400																
0+450																
0+500																
0+550																
0+600																
0+650																
0+700																
0+750	交差点			0.06	0.06									0.06	0.03	
0+800																
0+850																
0+900																
0+950																
1+000																
1+050																
1+100																
1+150																
1+200																
1+250																
1+300																
1+350	交差点			0.06	0.06									0.06		
1+400																
1+450																
1+500																
1+550																
1+600																
1+650																
1+700																
1+750																
1+800	交差点				0.06											
1+850																
1+900																
1+950																
2+000																
2+050																
2+100																
2+150																
2+200																
2+250																
2+300																
2+350																
2+400	交差点			0.06	0.06									0.06	0.03	
2+450																
2+500																
2+550																
2+600																
2+650																
2+700																
2+750																
2+800																
2+850																
2+900																
2+950																
3+000																
3+050																
3+100																
3+150																
3+200																
3+250																
3+300	交差点			0.06	0.06									0.06	0.03	
3+350																
3+400																
3+450																
3+500																
3+550																
3+600																
3+650																
3+700																
3+750																
3+800																
3+850																
3+900																
3+950																
4+000	交差点			0.03	0.06									0.03	0.06	
4+050																
4+100																
4+150																
4+200																
4+250																
4+300																
4+350																
4+400																
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4+900																
4+950																
5+000																
5+050																
5+100																
5+150																
5+200																
5+250	交差点			0.06	0.06									0.06	0.03	
5+300																
5+350																
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5+550																
5+600																
5+650																
5+700																
5+750																
5+800																
5+850	交差点			0.06	0.06									0.06	0.03	
5+900																
5+950																
6+000																
6+050																
6+100																
6+150																
6+200																
6+250																
6+300																
6+350																
6+400																
6+450																
6+500																
6+550																
6+600	交差点			0.06	0.06									0.06	0.03	
6+650																
6+700																
6+750																
6+800																
6+850																
6+900																
6+950																
7+000																
合計		5.15	5.15	0.06	0.06	7	0.09	0.06	0.06	0.06	0.03	0.03	0.03	0.06	0.03	3.25
		0.42	0.42	0.06	0.06	0.12	0.09	0.06	0.06	0.06	0.03	0.03	0.03	0.06	0.03	0.12
		0.6	0.6	0.6	0.6	0.24	0.6	0.6	0.6	0.6	0.24	0.6	0.6	0.6	0.12	48

Annexe 6-8. Plans de conceptions

ETUDE DU PREPARATOIRE
POUR
LE PROJET DE RENFORCEMENT DE LA ROCADE SUD-EST DU BOULEVARD DES TANSOBA À OUAGADOUGOU
AU
MINISTÈRE DES INFRASTRUCTURES
BURKINA FASO

PLANCHES

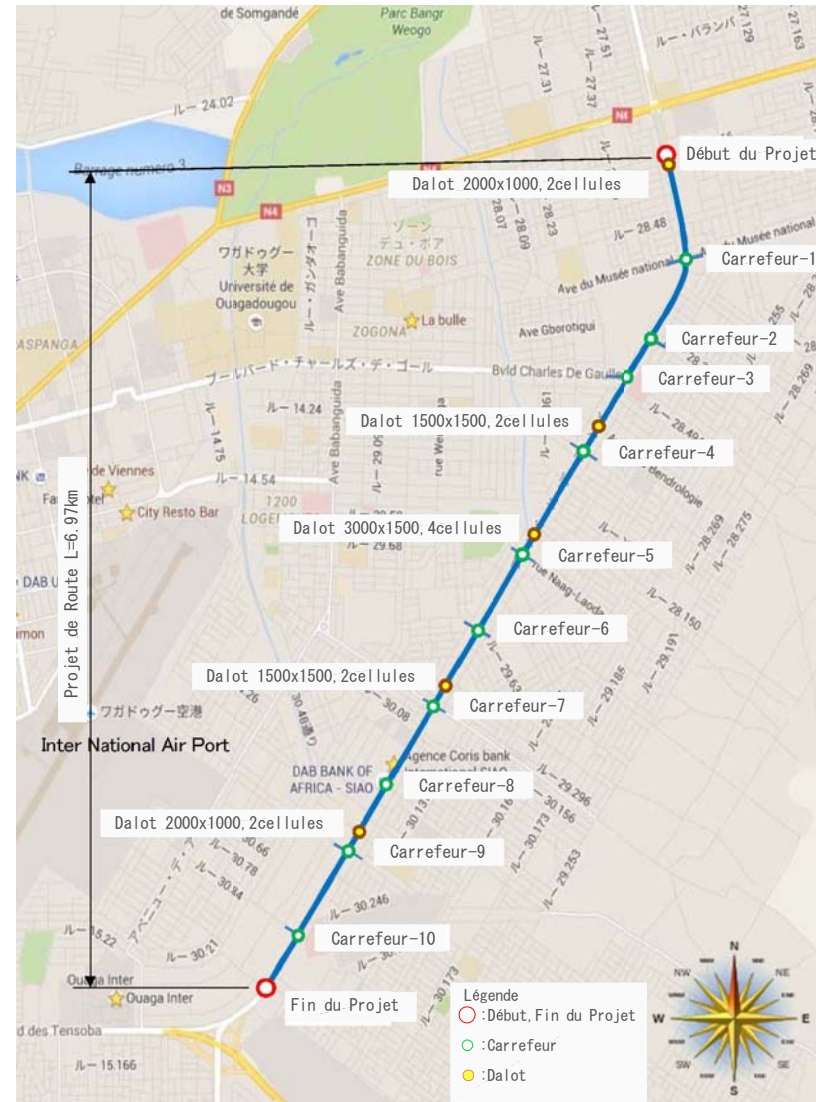
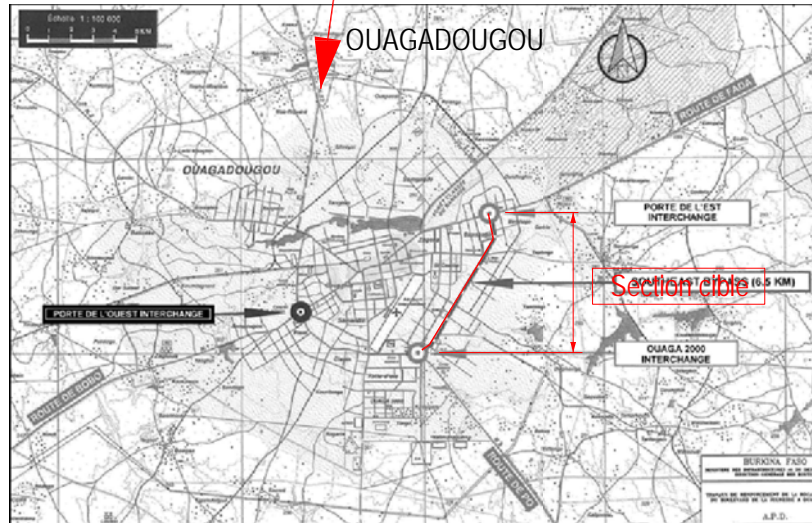
2017

AGENCE JAPONAISE DE COOPERATION INTERNATIONALE, JAPON

INGEROSEC CORPORATION, JAPON

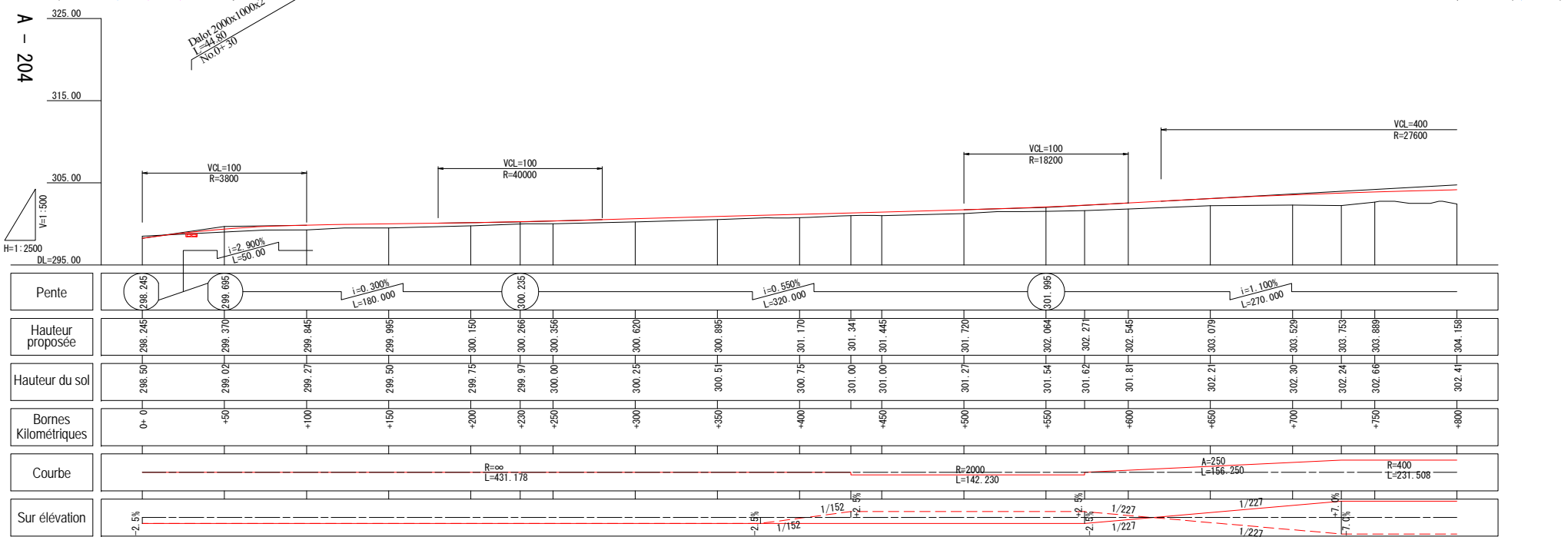
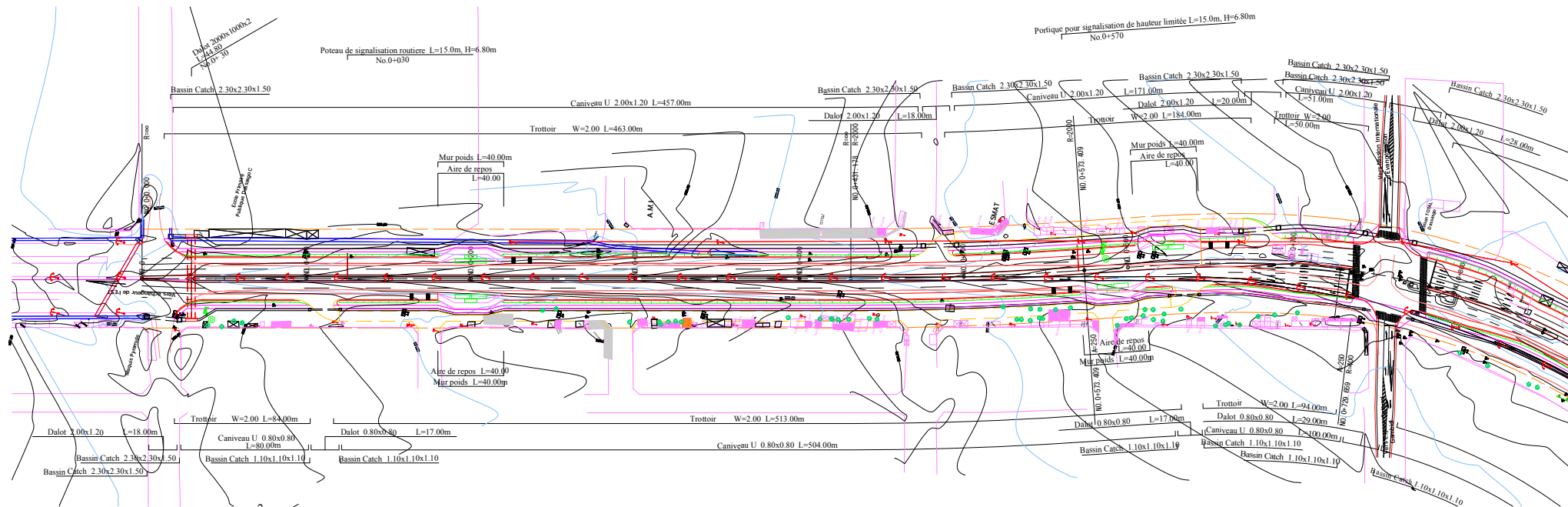
KATAHIRA & ENGINEERS INTERNATIONAL, JAPON

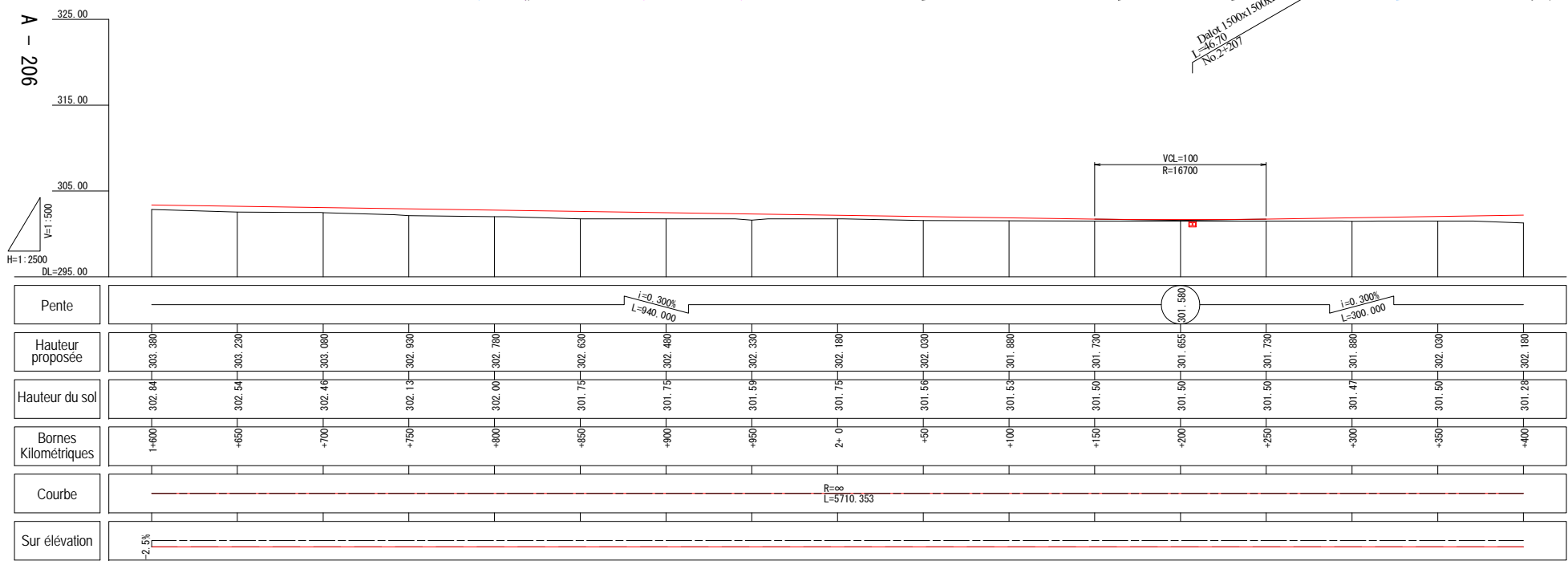
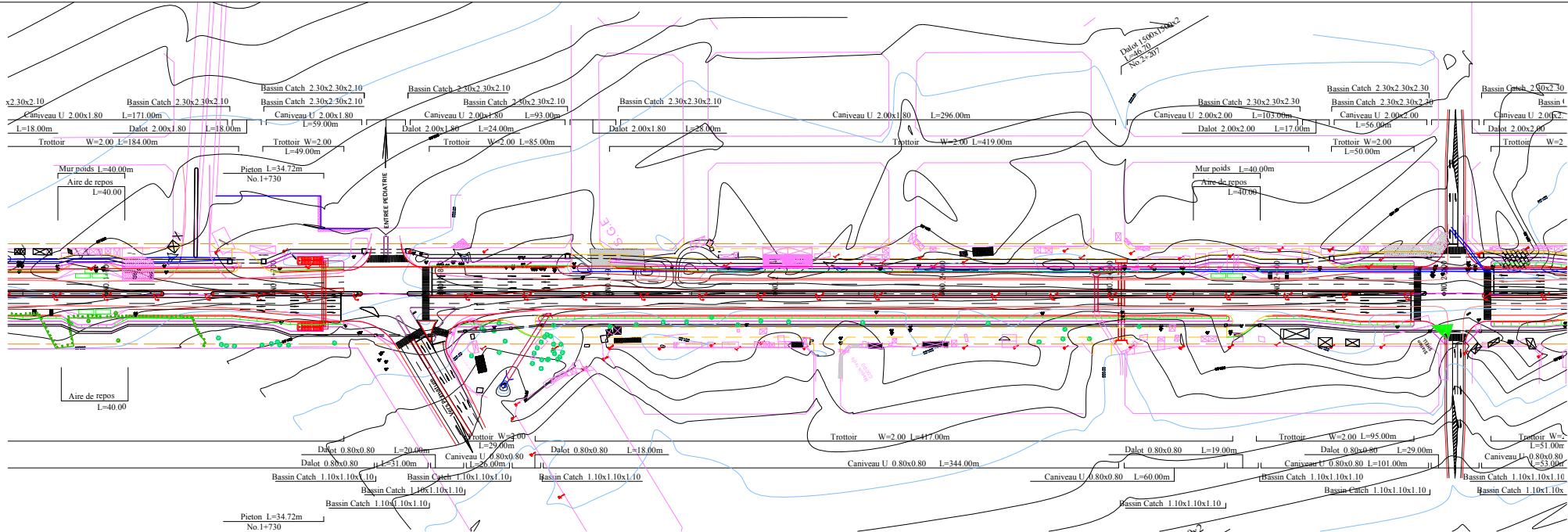
PLAN DE SITUATION DU PROJET



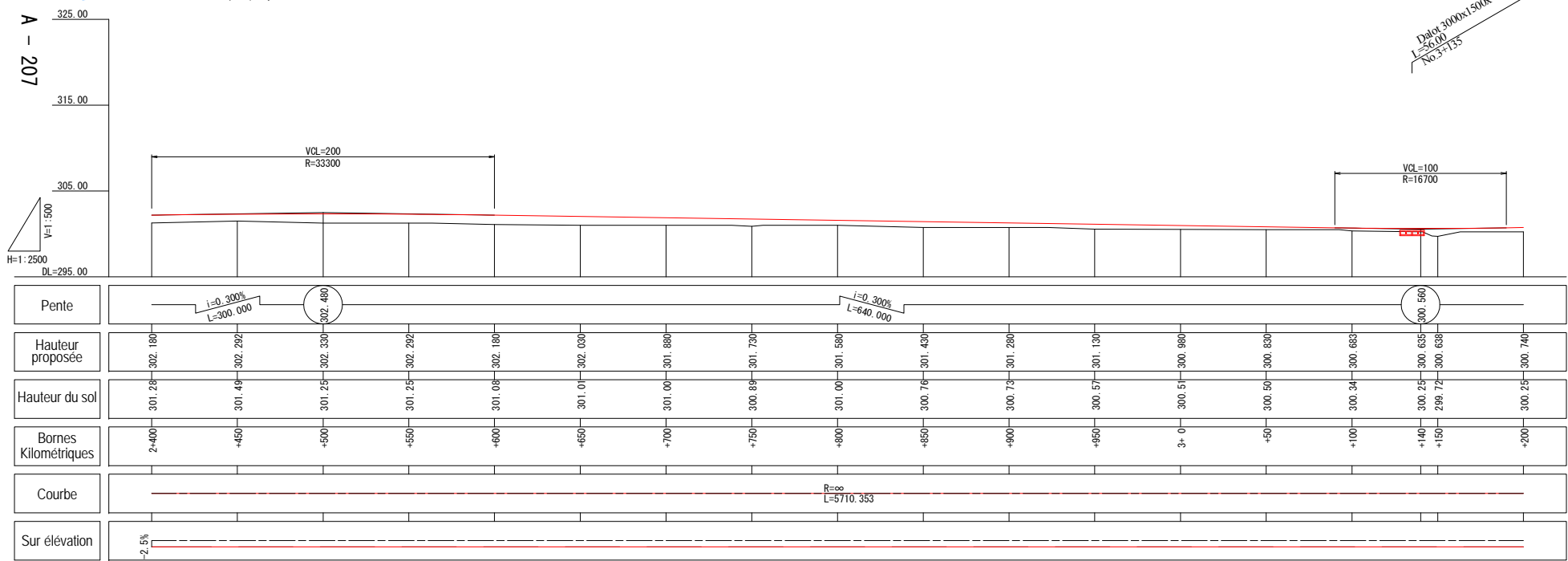
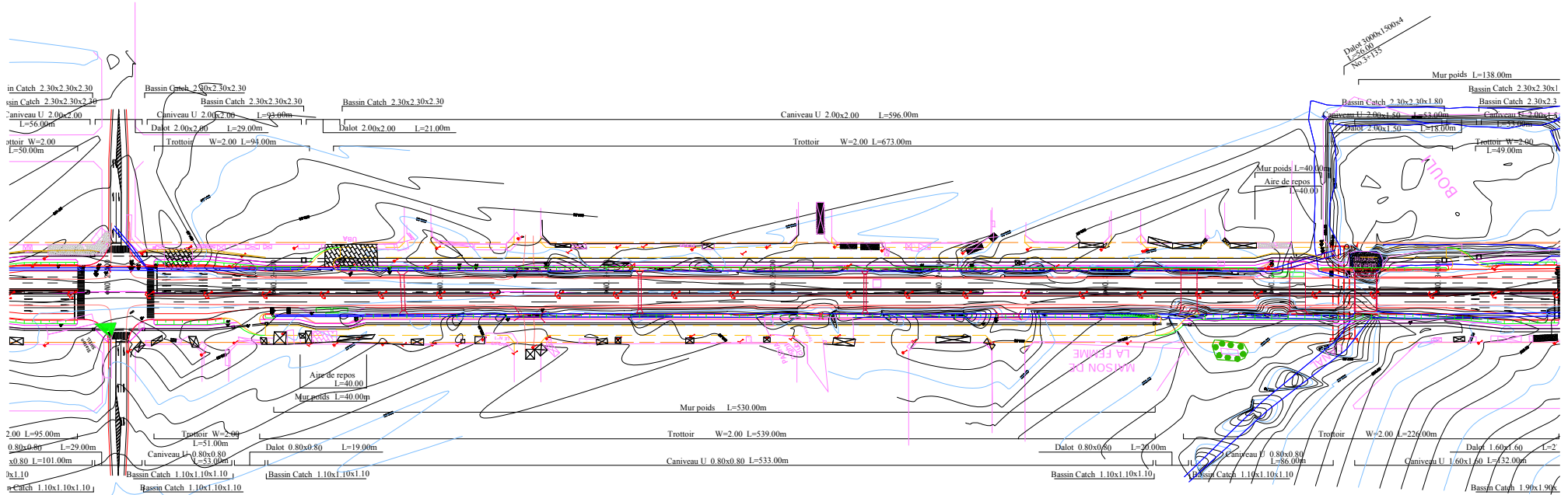
A - 203

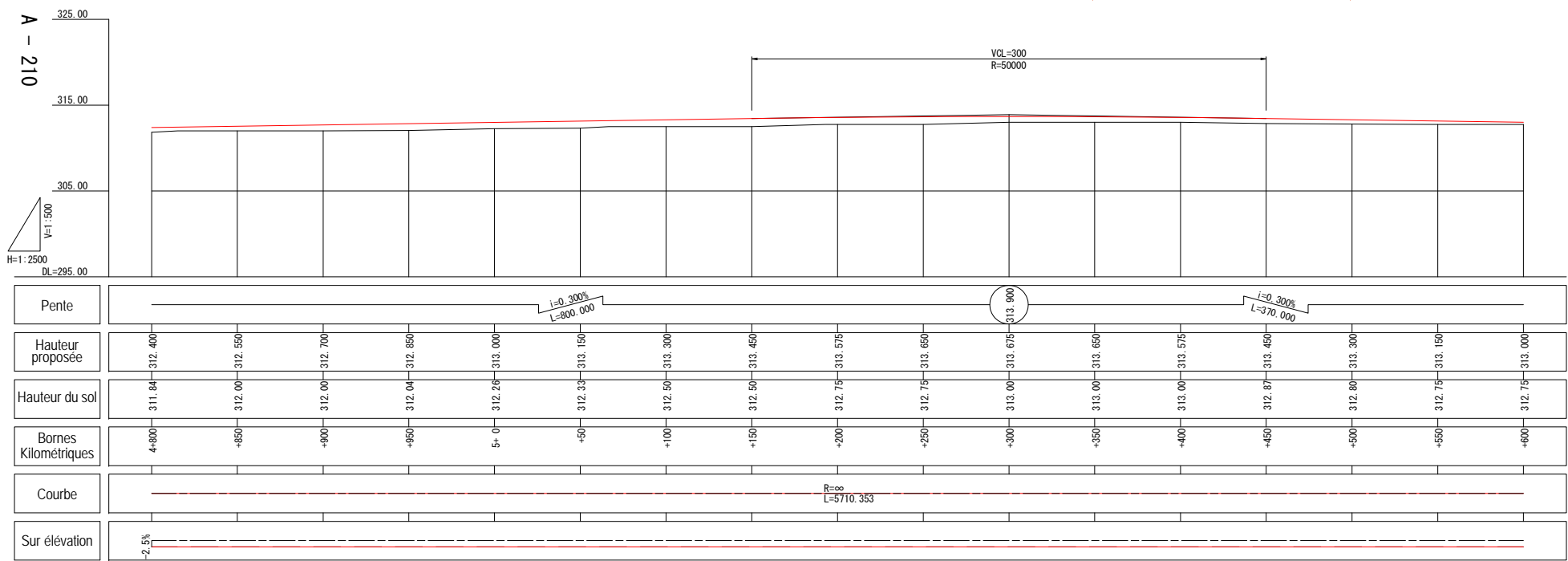
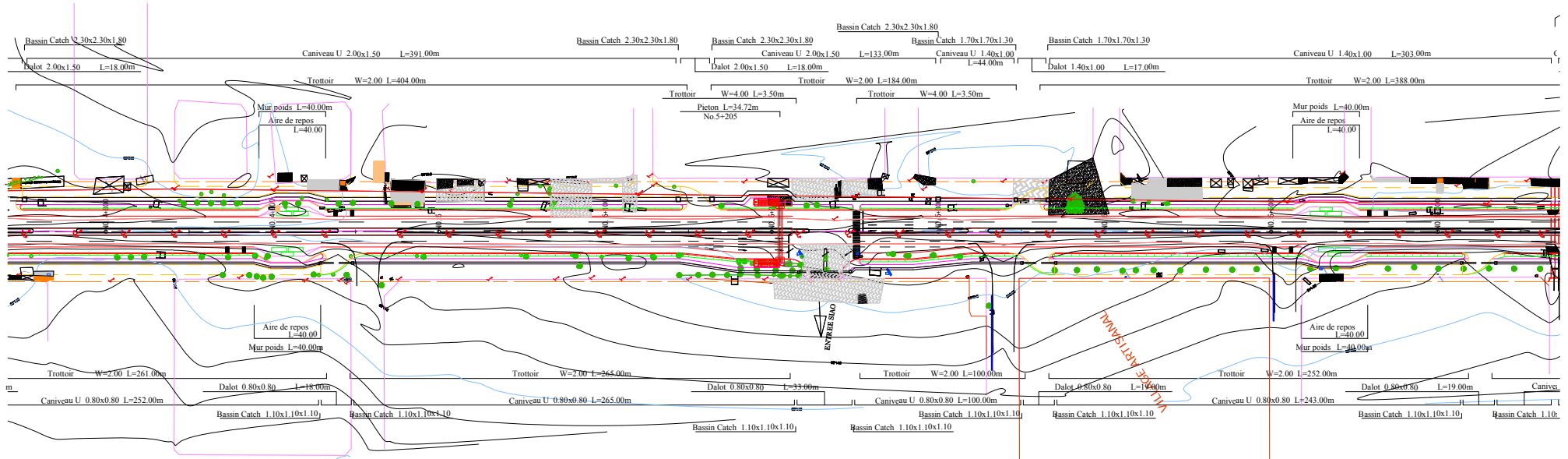
AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTERE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADÉ SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	PLAN DE SITUATION DU PROJET	ECHELLE	DATE	N°
				PREPARE PAR:				
				VERIFIE PAR:				

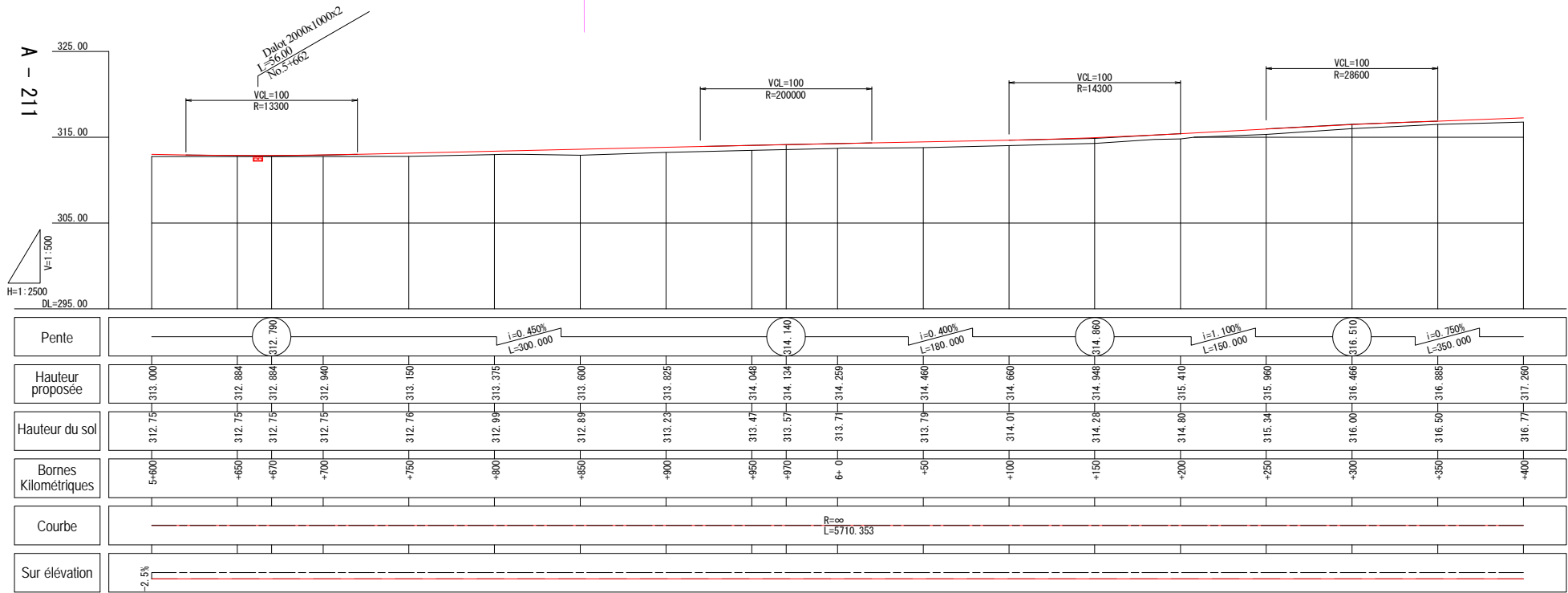
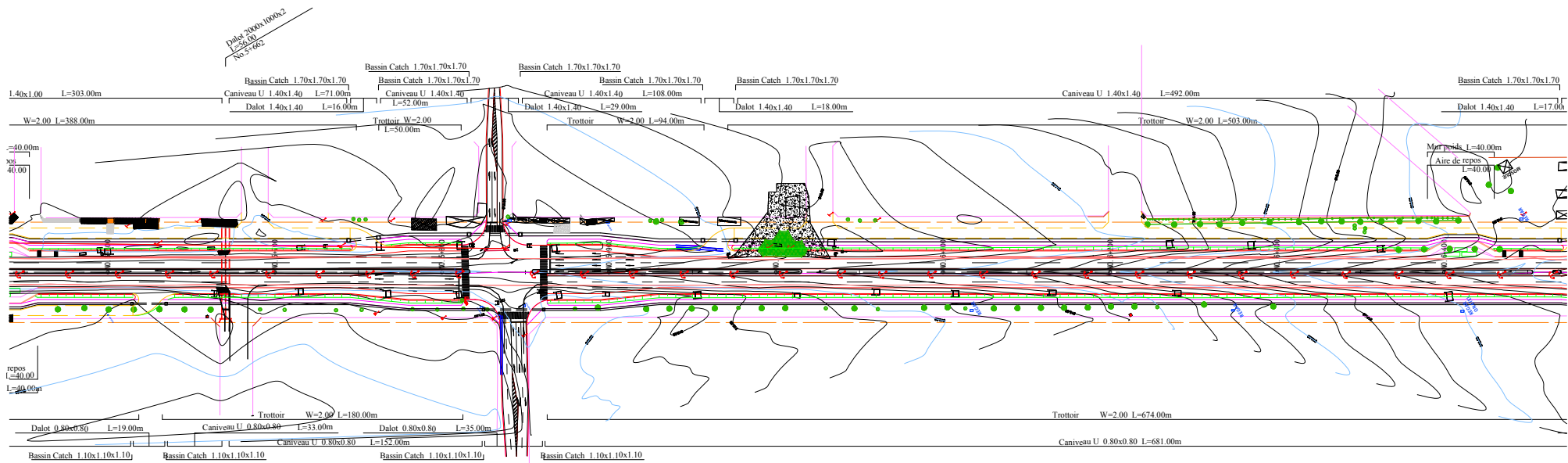


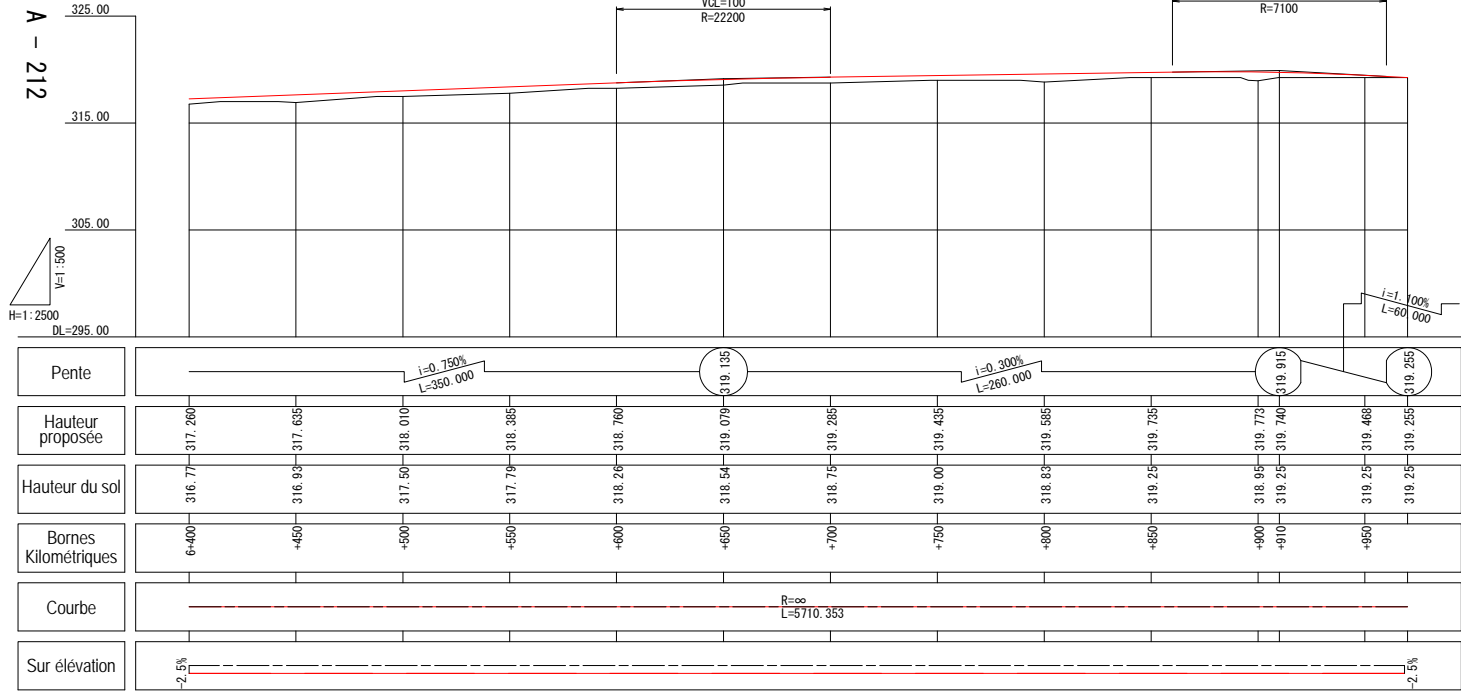
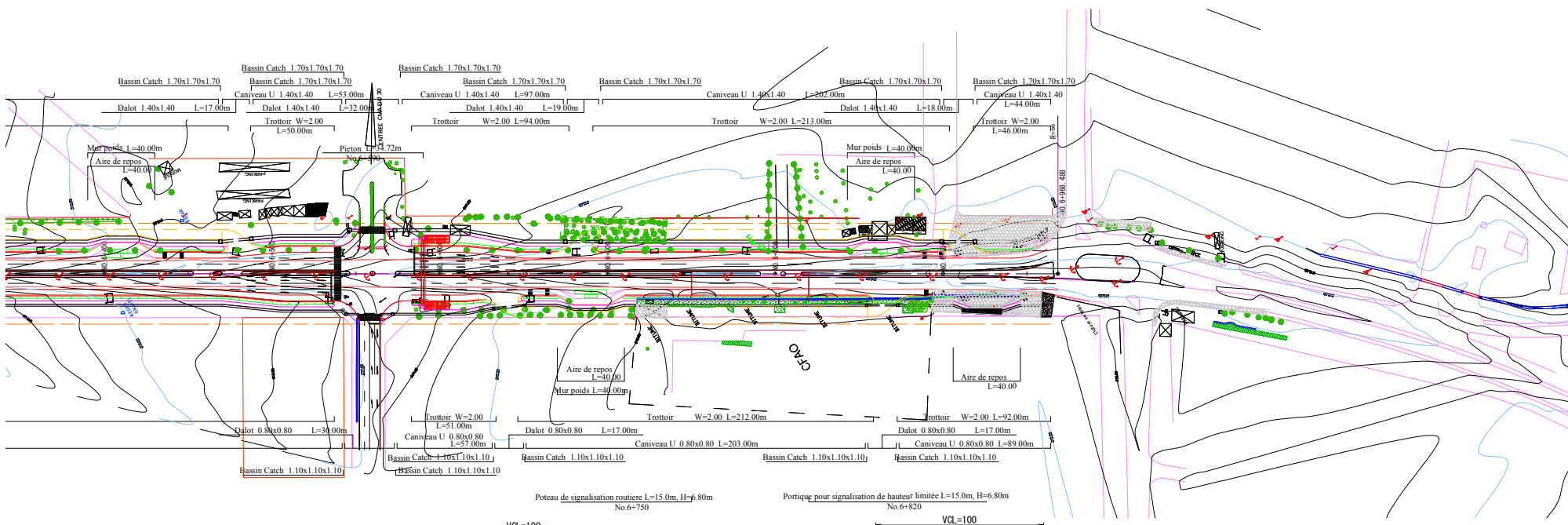


AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTERE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADE SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	PLAN ET PROFIL (3) DE 1+600 A 2+400	ECHELLE	DATE	N°
				PREPARE PAR:				
				VERIFIE PAR:				



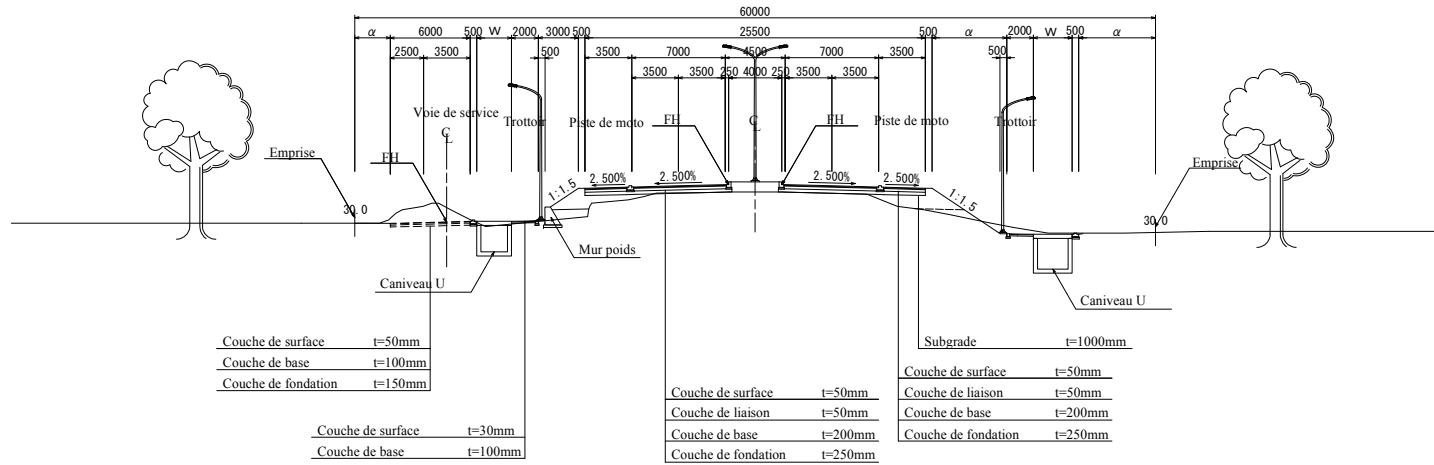




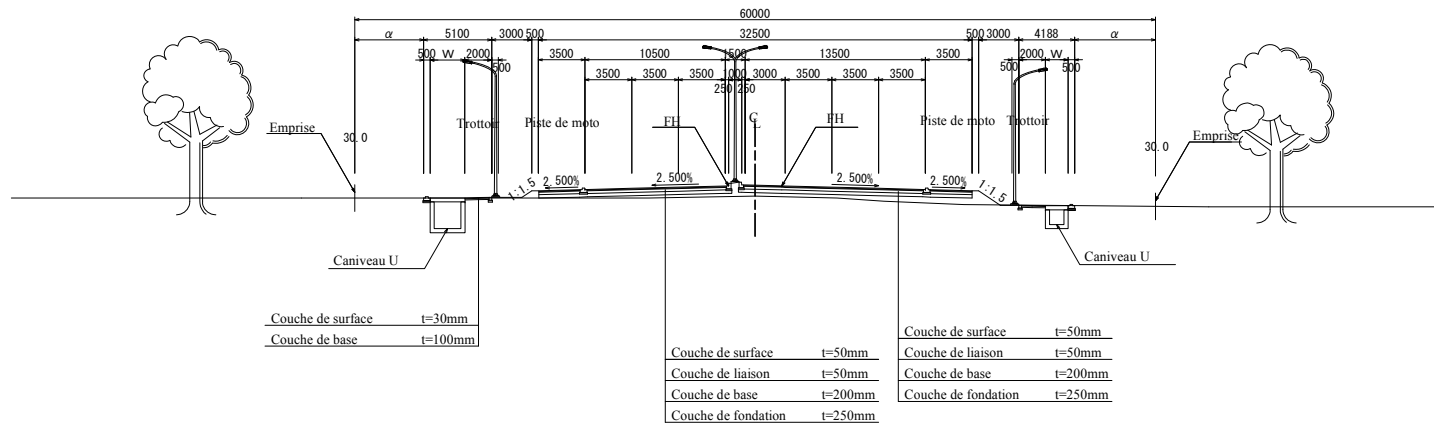


PROFILS EN TRAVERS TYPES (1) ECHELLE A3 1:400

PROFIL STANDARD



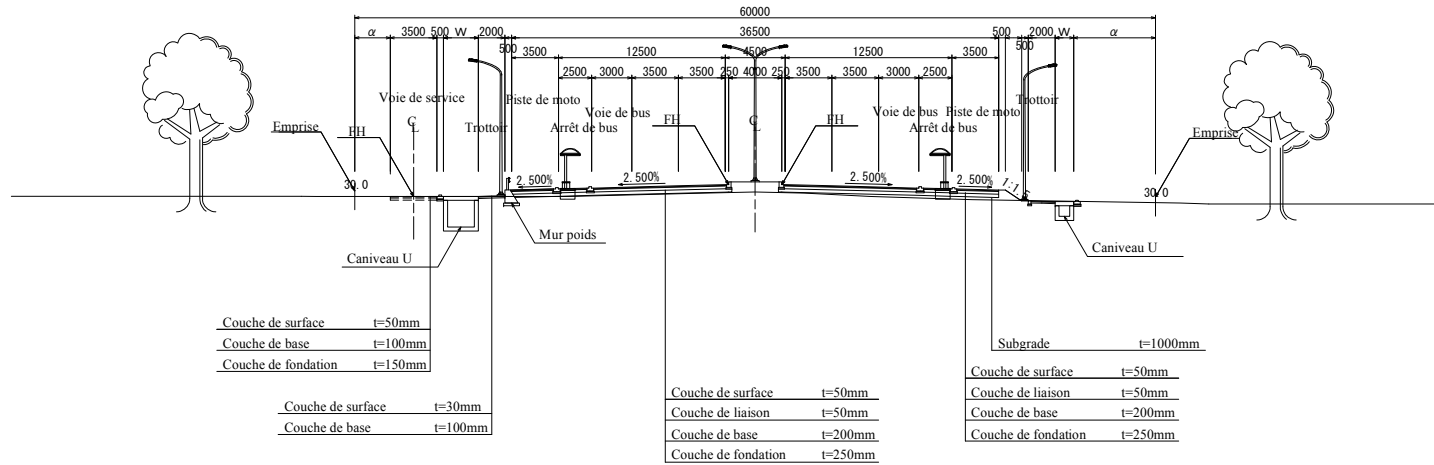
INTERSECTION



A - 213

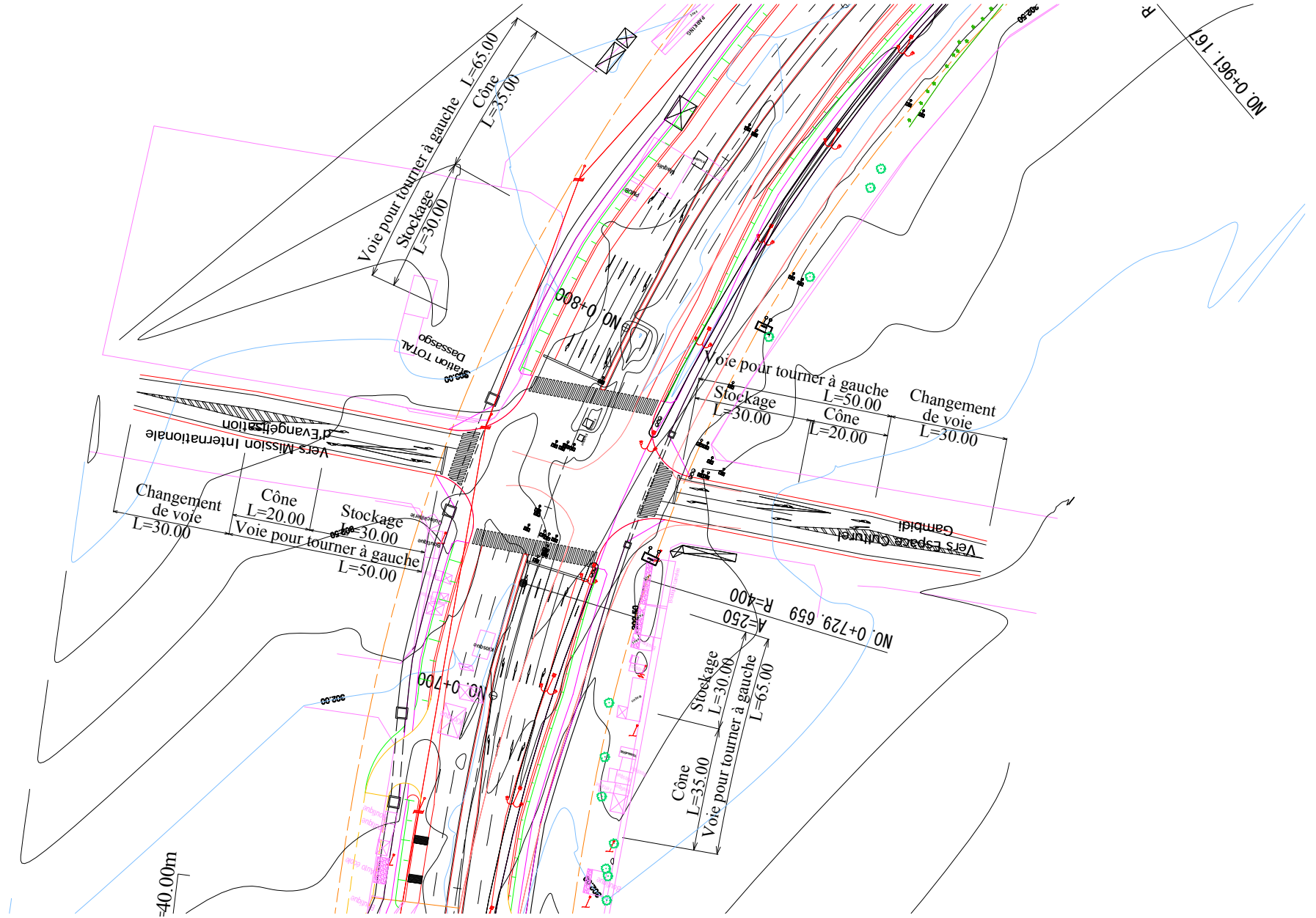
PROFILS EN TRAVERS TYPES (2) ECHELLE A3 1:400

COUPE TRANSVERSALE SUR AIRE DE REPOS



A - 214

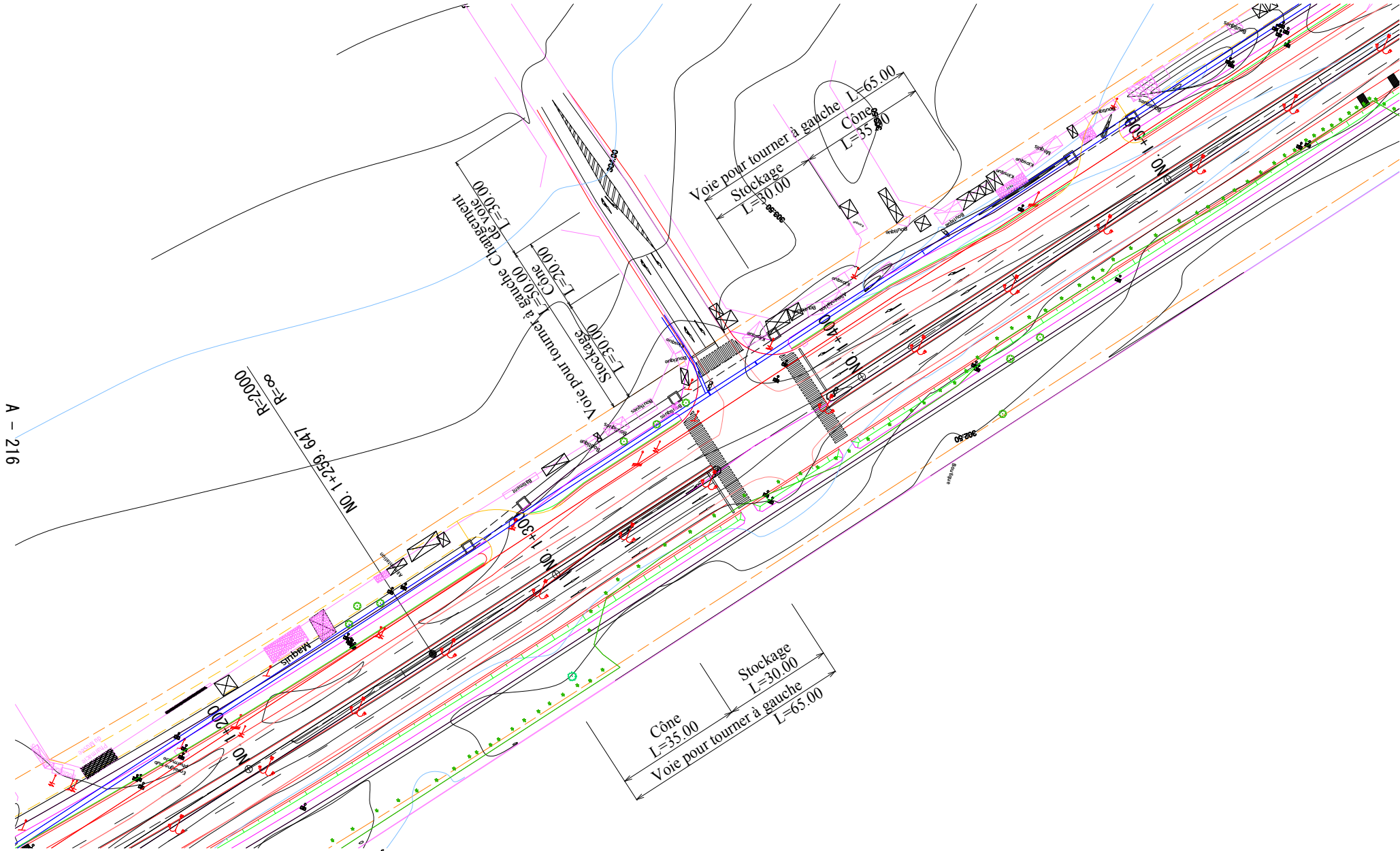
CARREFEUR (1) ECHELLE 1:1000



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AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTERE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADÉ SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	CARREFEUR (1)	ECHELLE	DATE	N°
				PREPARE PAR:				13
				VERIFIE PAR:				

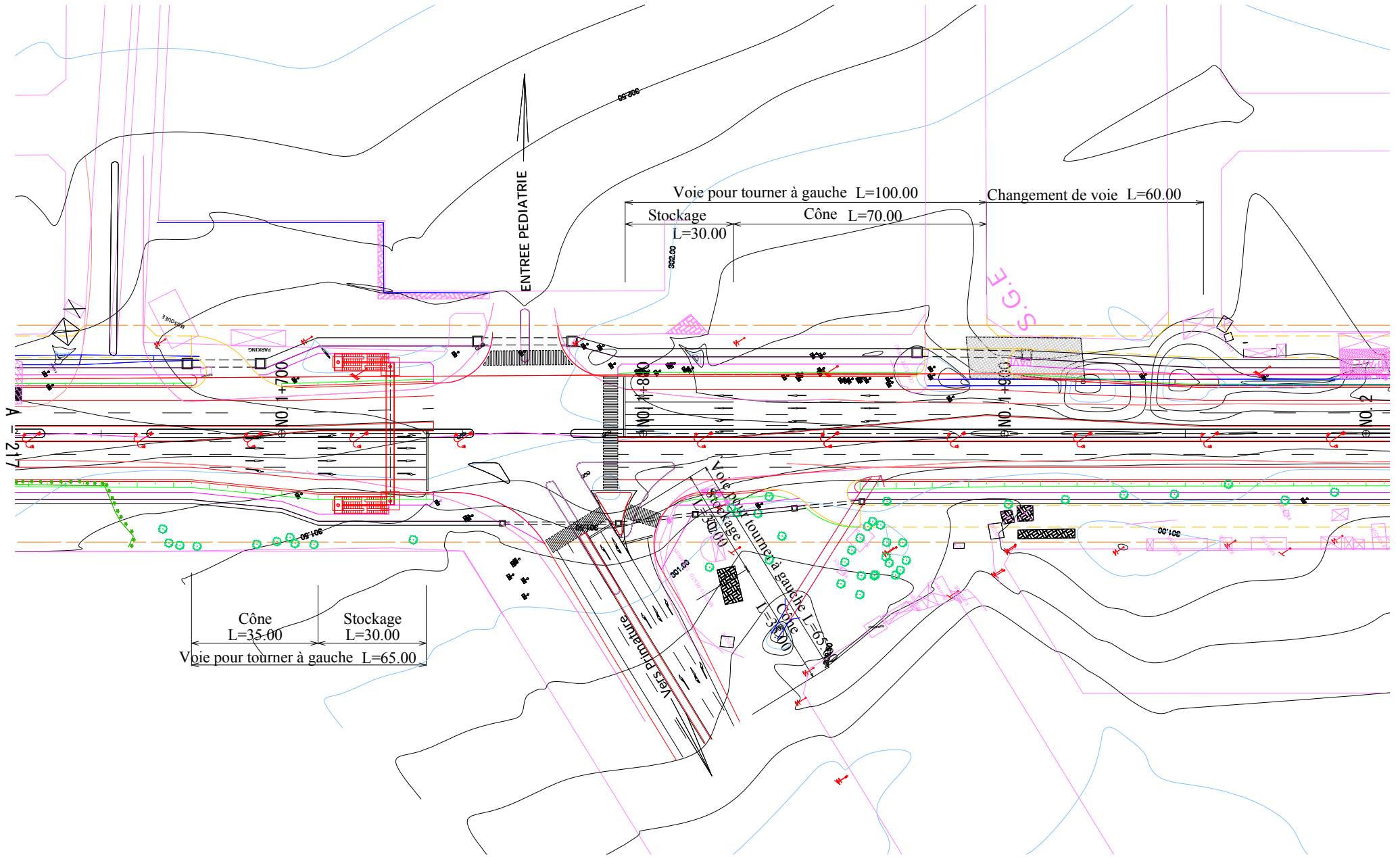
CARREFEUR (2) ECHELLE 1:1000



A - 216

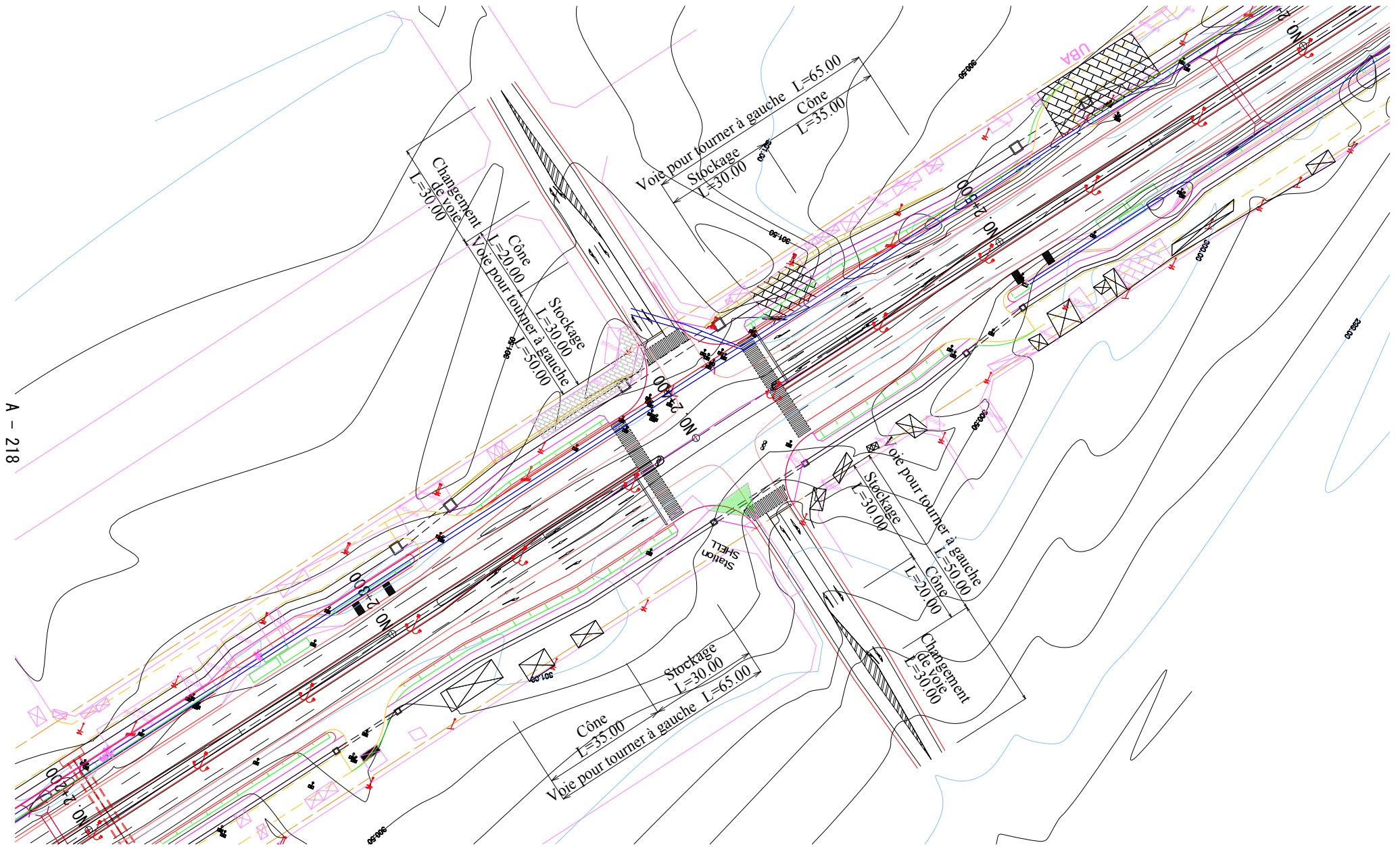
AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTERE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADÉ SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	CARREFEUR (2)	ECHELLE	DATE	N°
				PREPARE PAR:				14
				VERIFIE PAR:				

CARREFEUR (3) ECHELLE 1:1000



AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTERE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADE SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	CARREFEUR (3)	ECHELLE	DATE	N°
				PREPARE PAR:				
				VERIFIE PAR:				

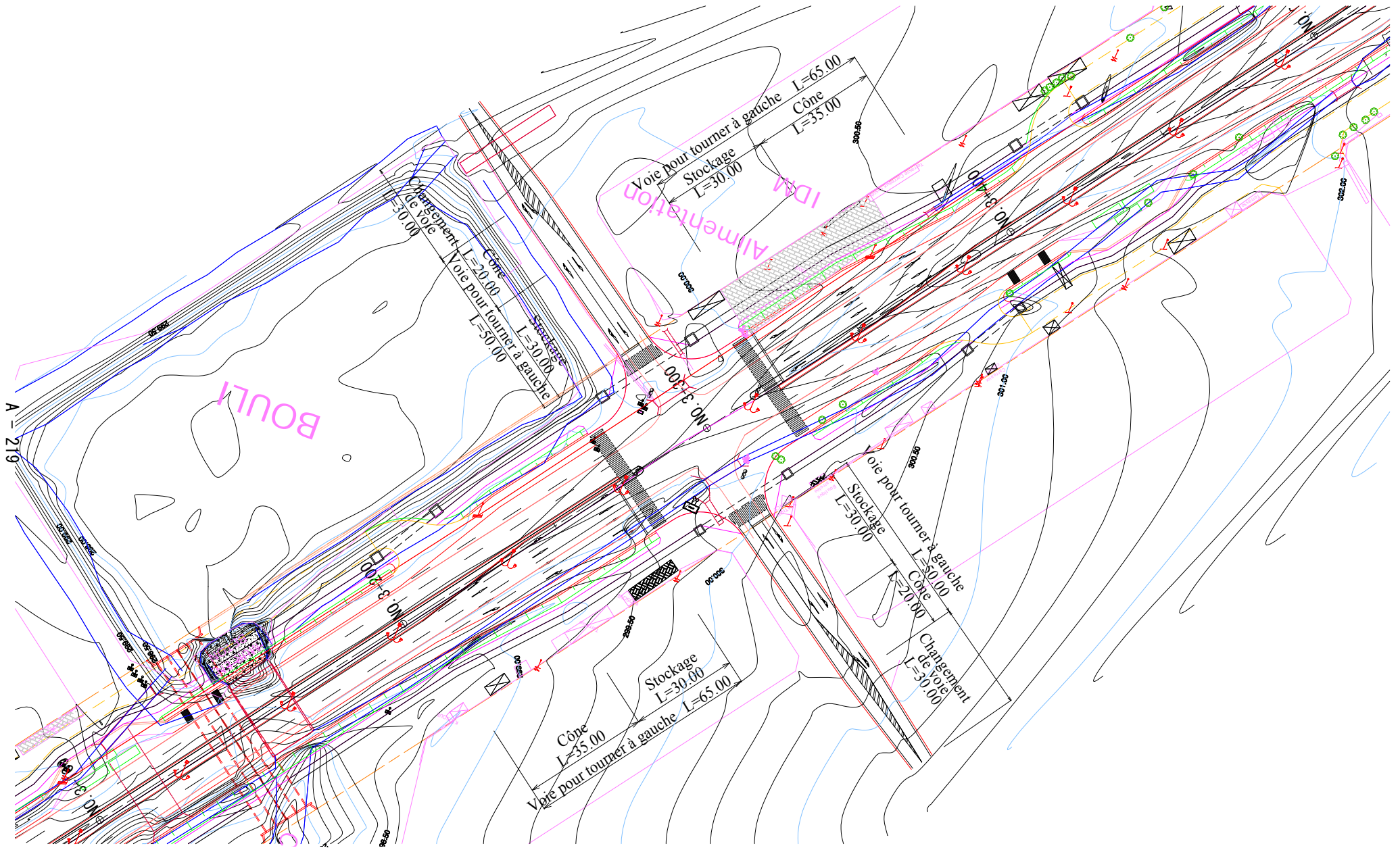
CARREFEUR (4) ECHELLE 1:1000



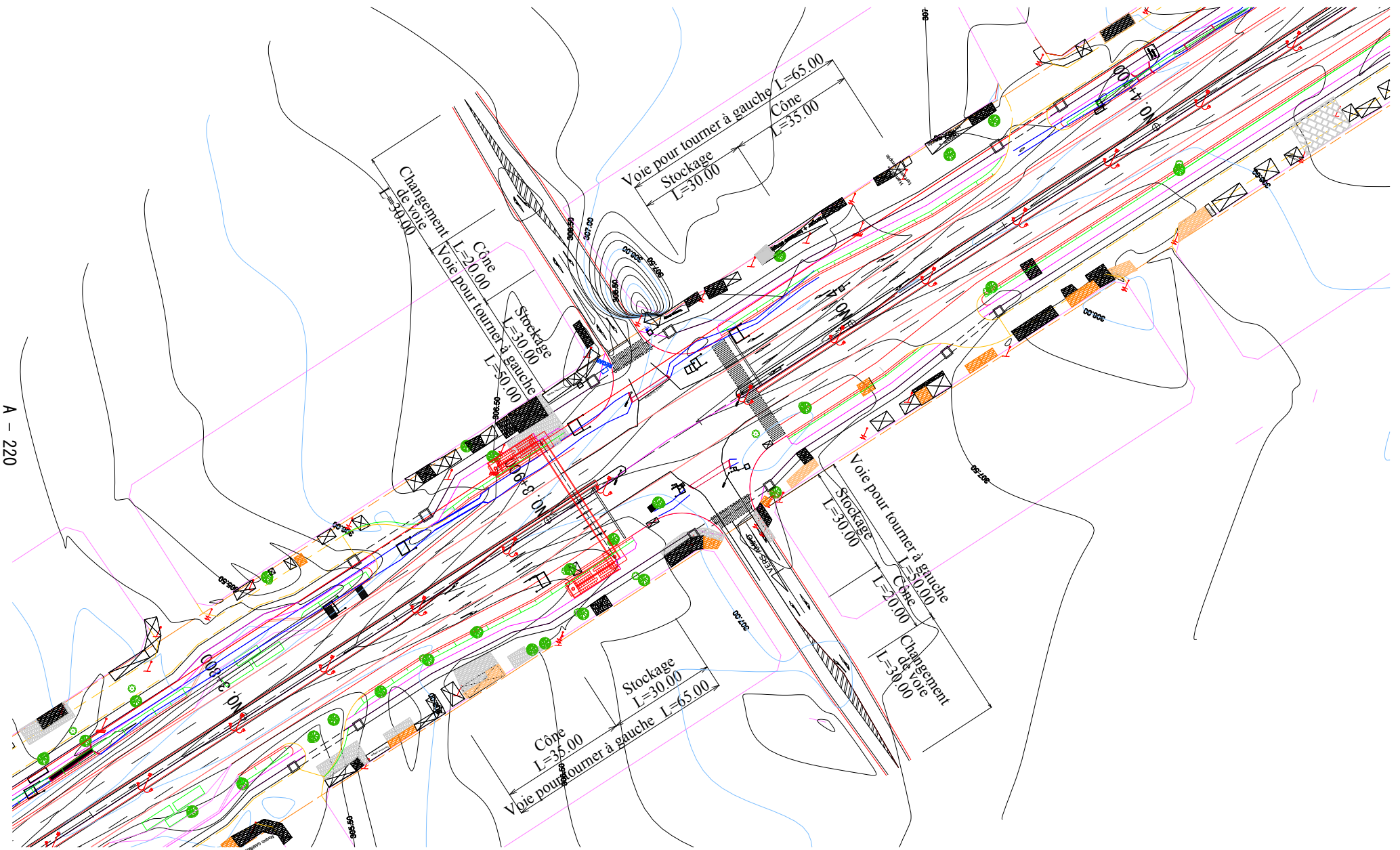
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AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTERE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADÉ SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	CARREFEUR (4)	ECHELLE	DATE	N°
				PREPARE PAR:				
				VERIFIE PAR:				

CARREFEUR (5) ECHELLE 1:1000



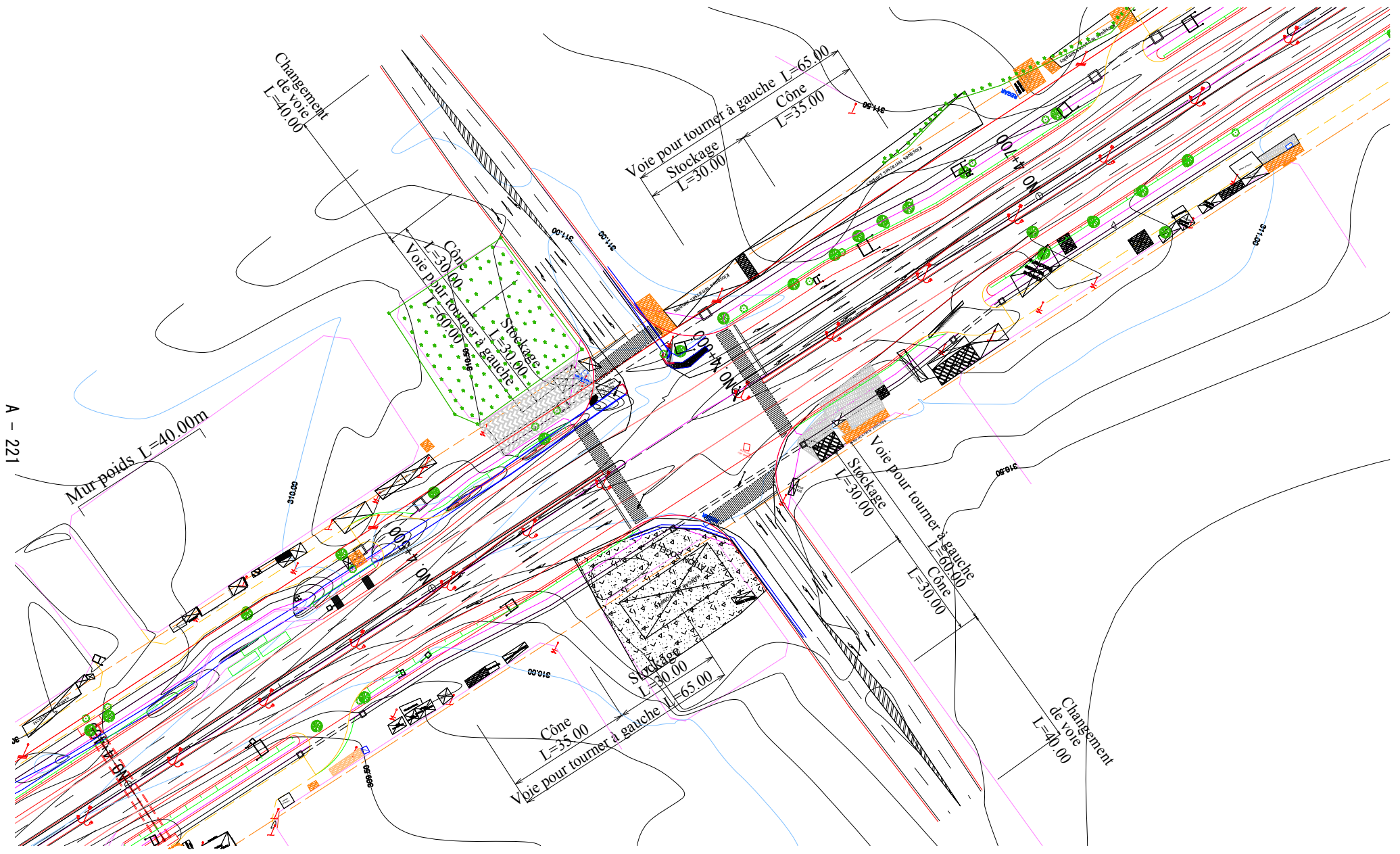
CARREFEUR (6) ECHELLE 1:1000



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AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTRE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADÉ SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	CARREFEUR (6)	ECHELLE	DATE	N°
				PREPARE PAR:				
				VERIFIE PAR:				

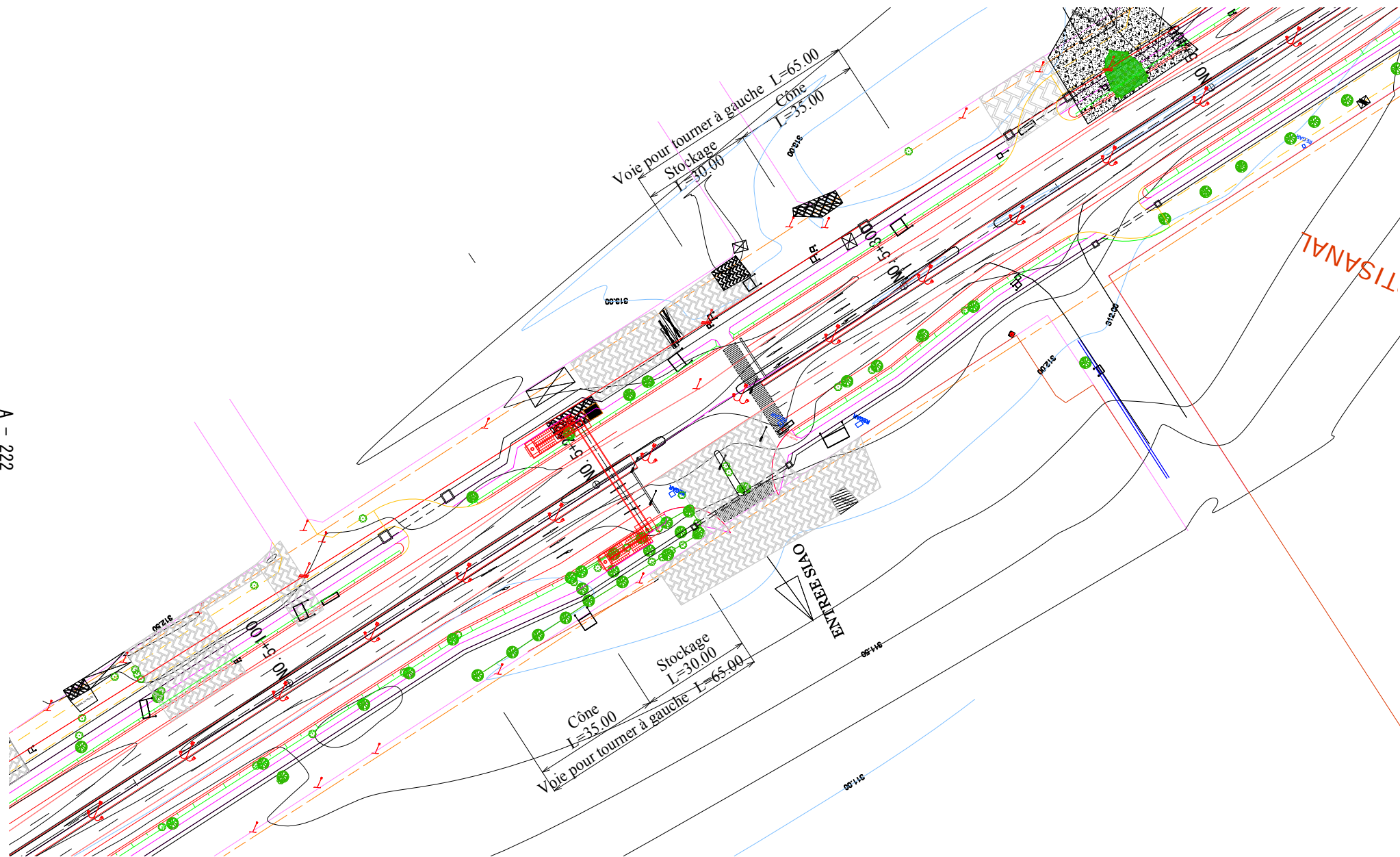
CARREFEUR (7) ECHELLE 1:1000



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AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTERE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADÉ SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	CARREFEUR (7)	ECHELLE	DATE	N°
				PREPARE PAR:				
				VERIFIE PAR:				

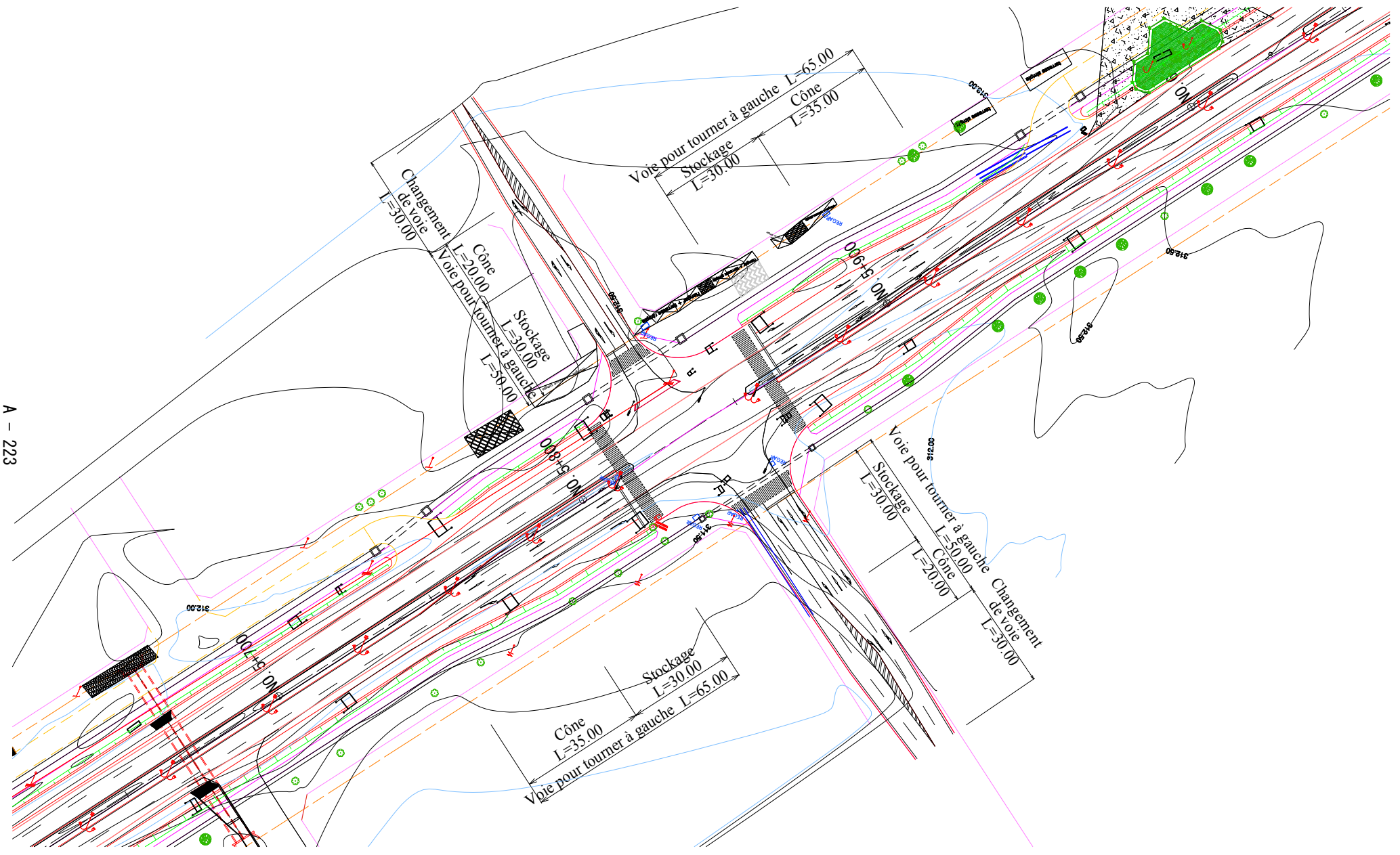
CARREFEUR (8) ECHELLE 1:1000



A - 222

AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTERE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADÉ SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	CARREFEUR (8)	ECHELLE	DATE	N°
				PREPARE PAR:				20
				VERIFIE PAR:				

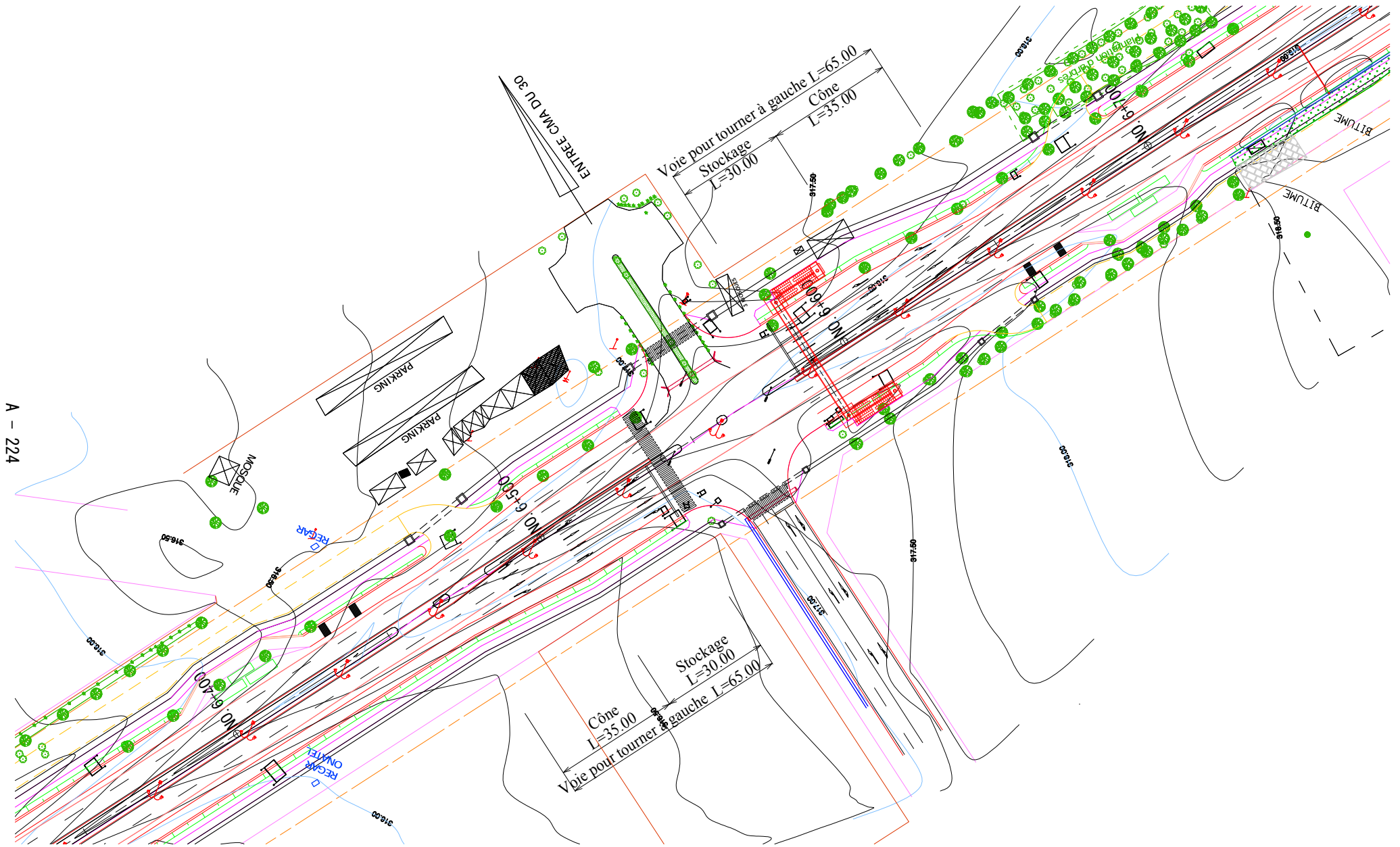
CARREFEUR (9) ECHELLE 1:1000



A - 223

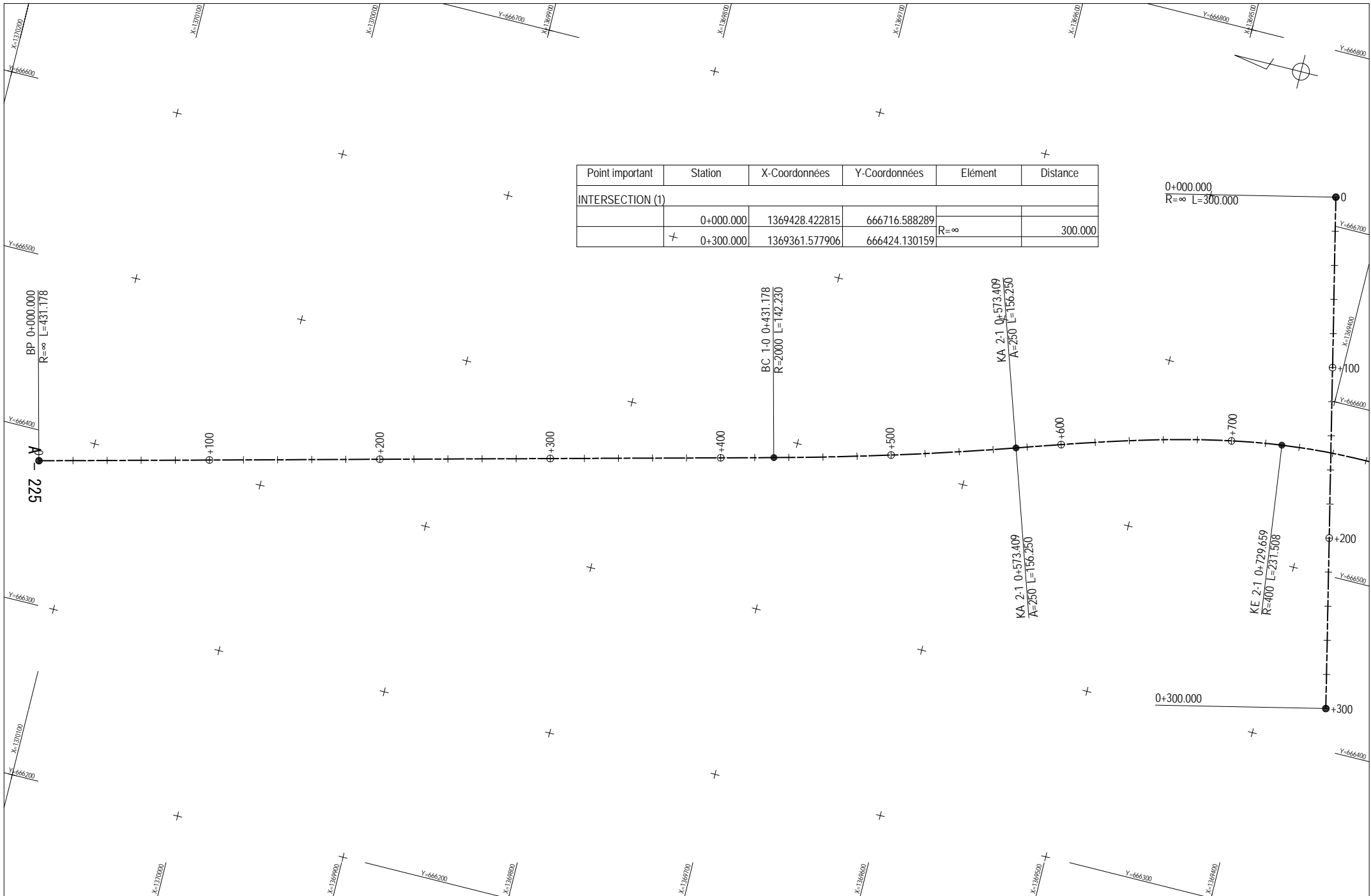
AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTERE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADE SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	CARREFEUR (9)	ECHELLE	DATE	N°
				PREPARE PAR:				
				VERIFIE PAR:				

CARREFEUR (10) ECHELLE 1:1000

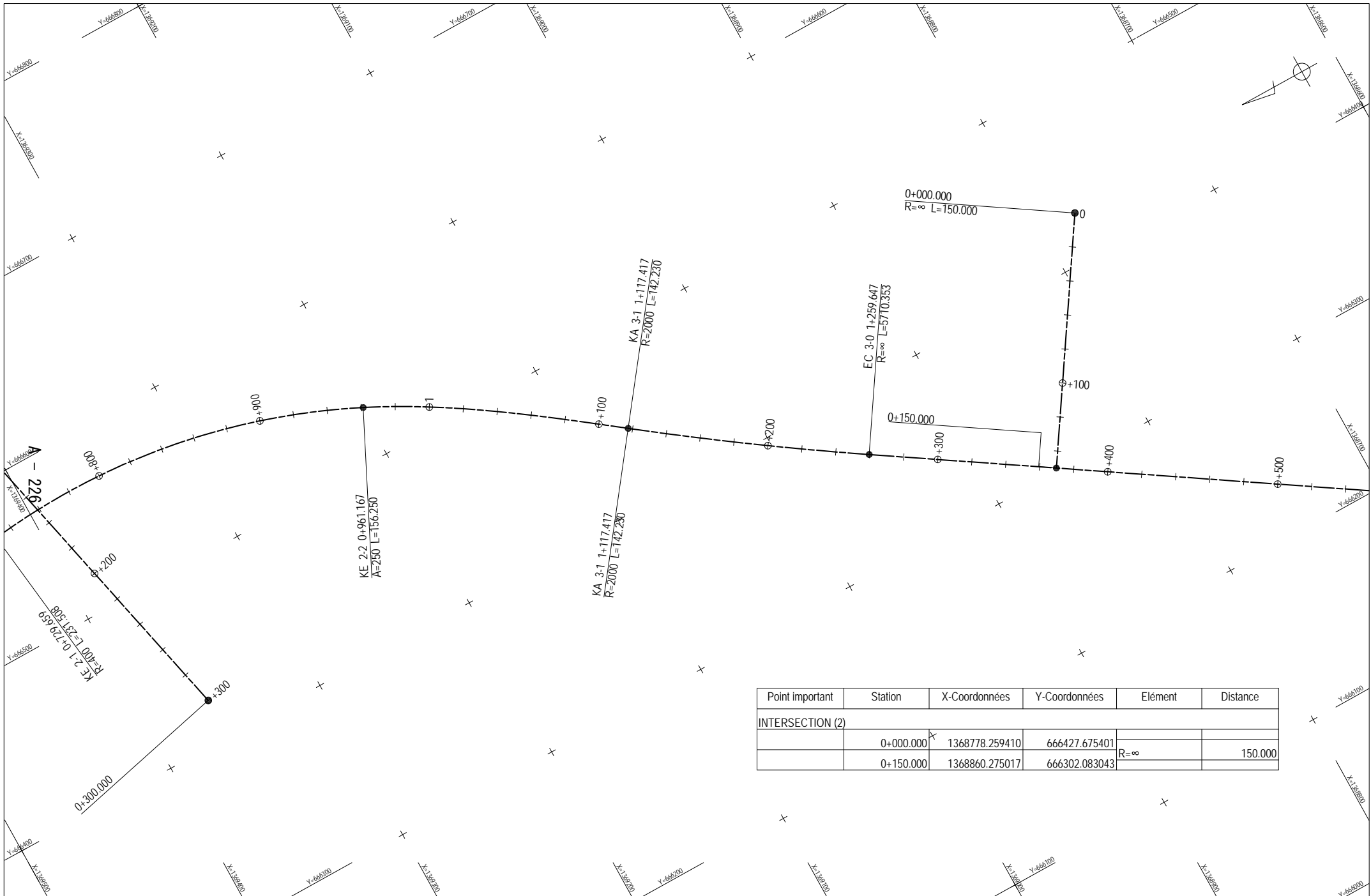


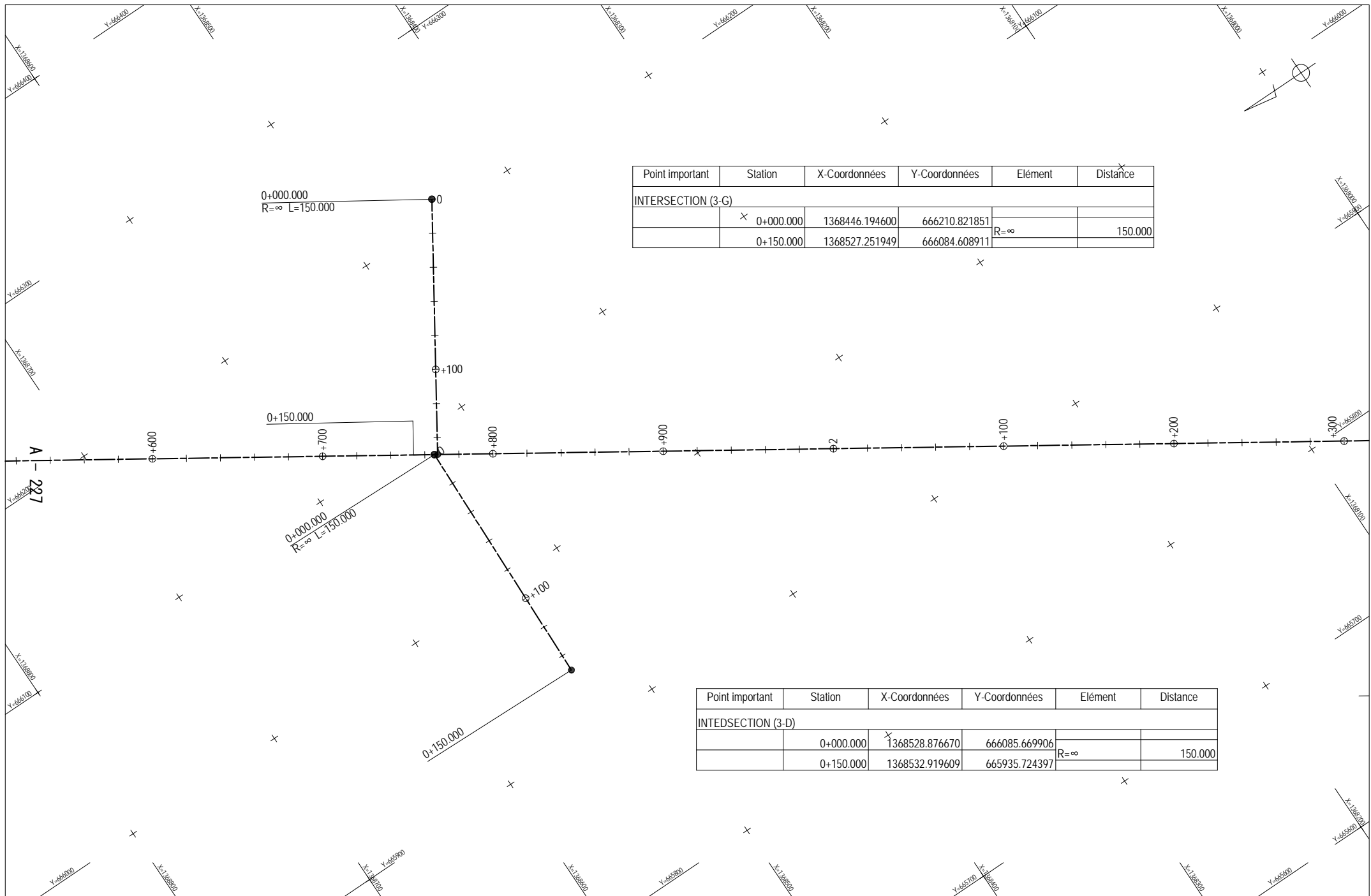
A - 224

AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTERE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADÉ SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	CARREFEUR (10)	ECHELLE	DATE	N°
				PREPARE PAR:				
				VERIFIE PAR:				



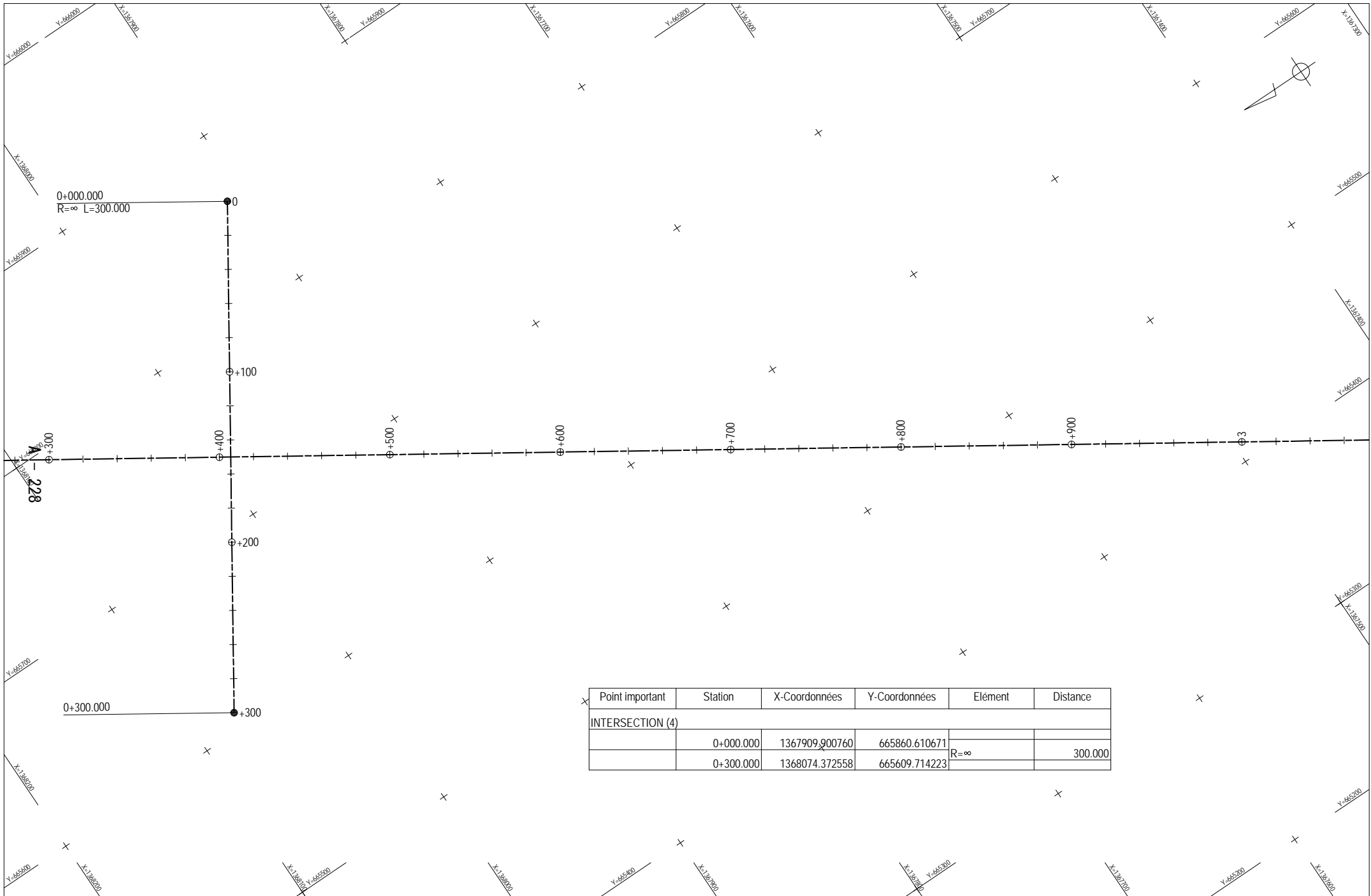
Point important	Station	X-Coordonnées	Y-Coordonnées	Elément	Distance
INTERSECTION (1)					
	0+000.000	1369428.422815	666716.588289	R=∞	
	+ 0+300.000	1369361.577906	666424.130159		300.000

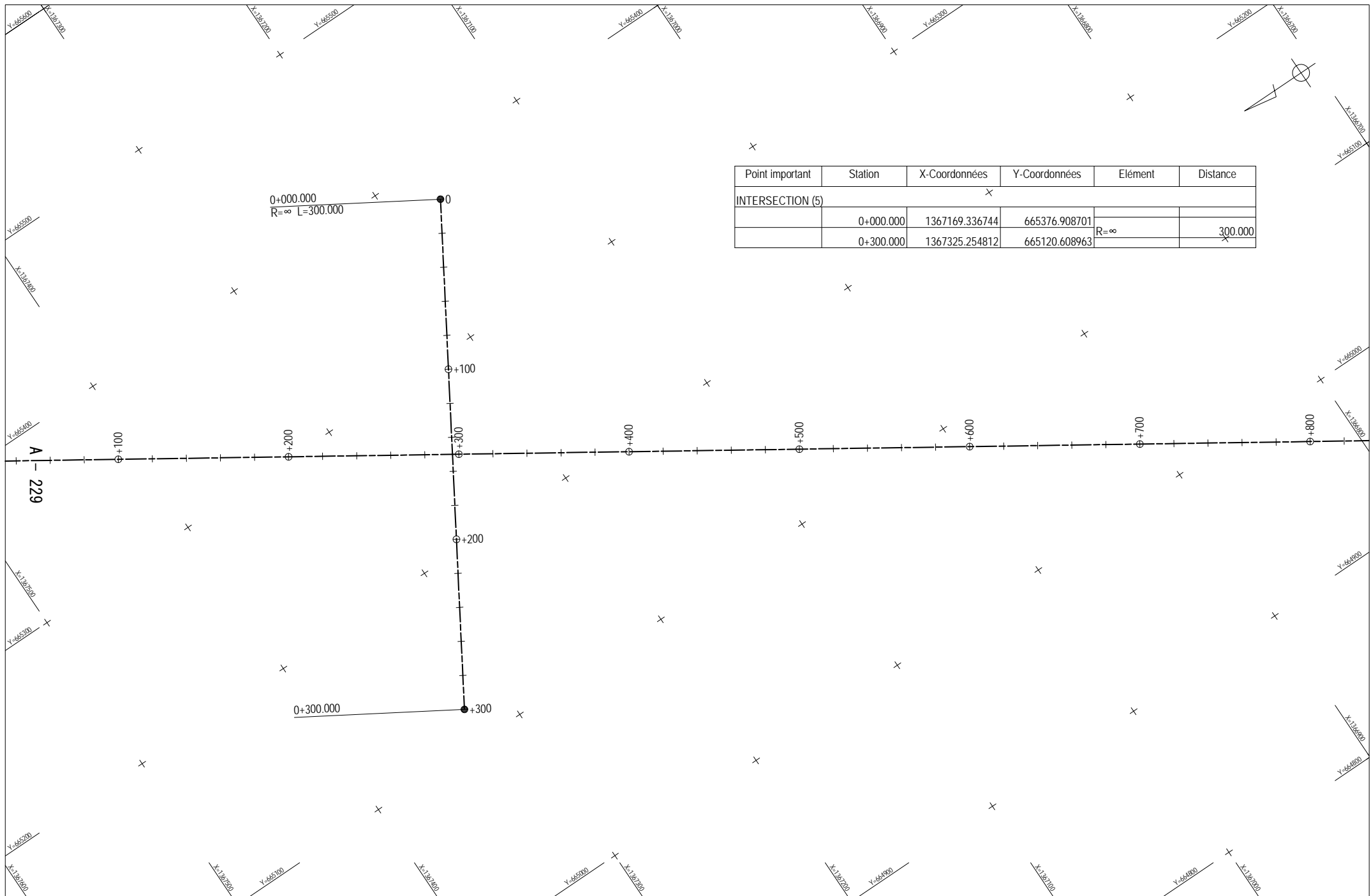




Point important	Station	X-Coordonnées	Y-Coordonnées	Elément	Distance
INTERSECTION (3-G)					
	0+000.000	1368446.194600	666210.821851	R=∞	150.000
	0+150.000	1368527.251949	666084.608911		

Point important	Station	X-Coordonnées	Y-Coordonnées	Elément	Distance
INTEDESECTION (3-D)					
	0+000.000	1368528.876670	666085.669906	R=∞	150.000
	0+150.000	1368532.919609	665935.724397		

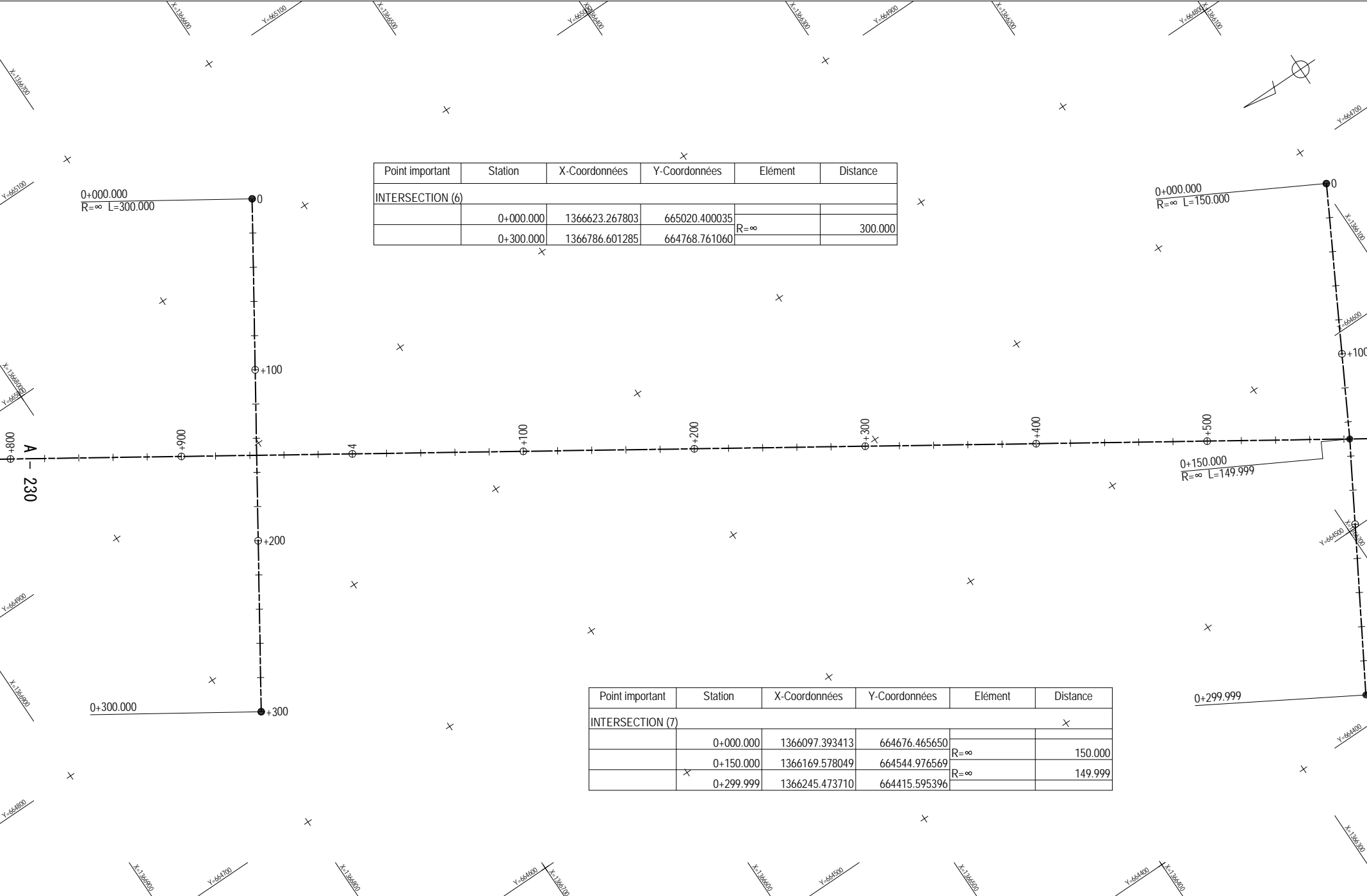


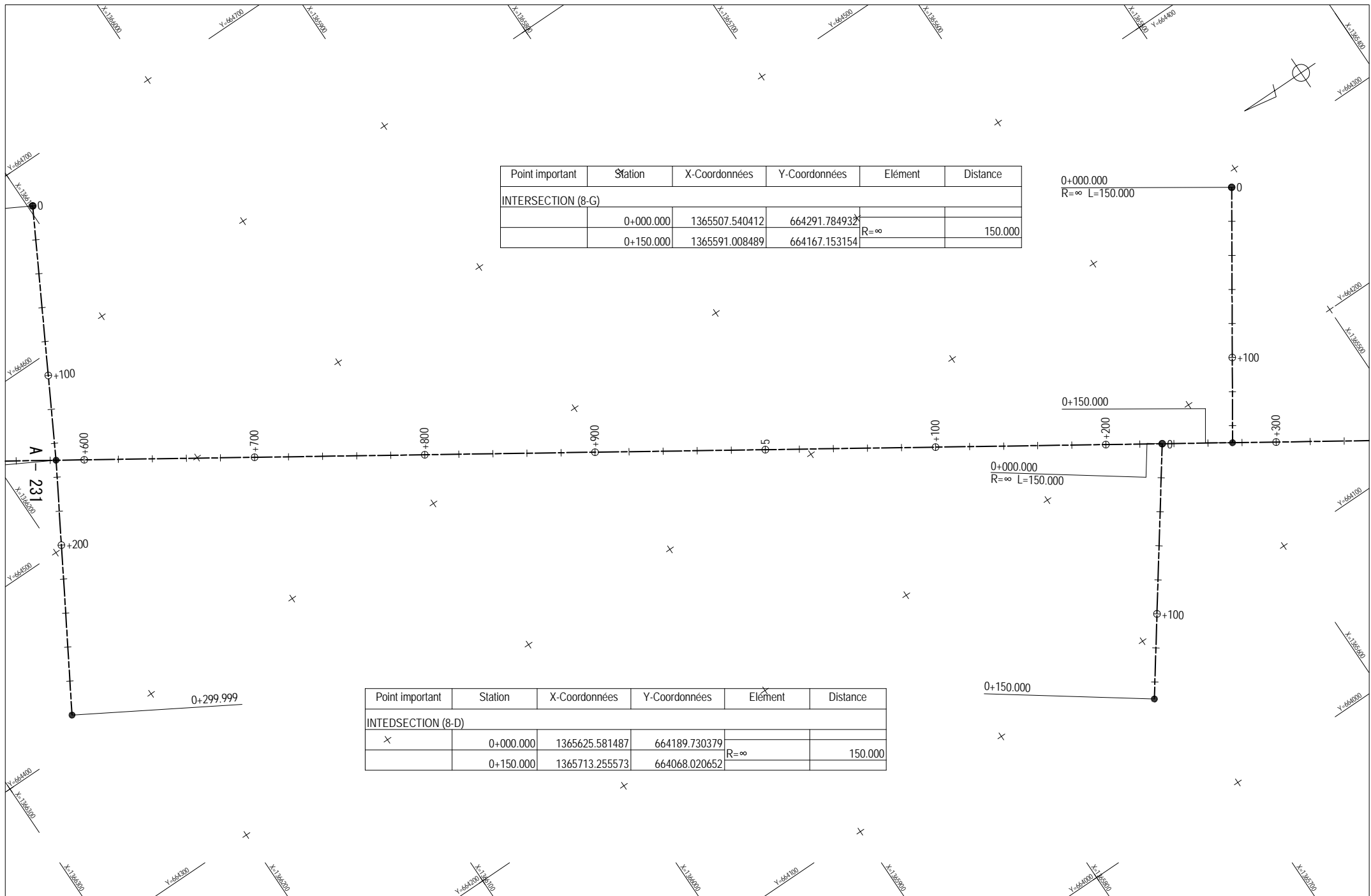


Point important	Station	X-Coordonnées	Y-Coordonnées	Elément	Distance
INTERSECTION (5)					
	0+000.000	1367169.336744	665376.908701	R=∞	300.000
	0+300.000	1367325.254812	665120.608963		

Point important	Station	X-Coordonnées	Y-Coordonnées	Elément	Distance
INTERSECTION (6)					
	0+000.000	1366623.267803	665020.400035	R=∞	300.000
	0+300.000	1366786.601285	664768.761060		

Point important	Station	X-Coordonnées	Y-Coordonnées	Elément	Distance
INTERSECTION (7)					
	0+000.000	1366097.393413	664676.465650	R=∞	150.000
	0+150.000	1366169.578049	664544.976569		
	0+299.999	1366245.473710	664415.595396	R=∞	149.999



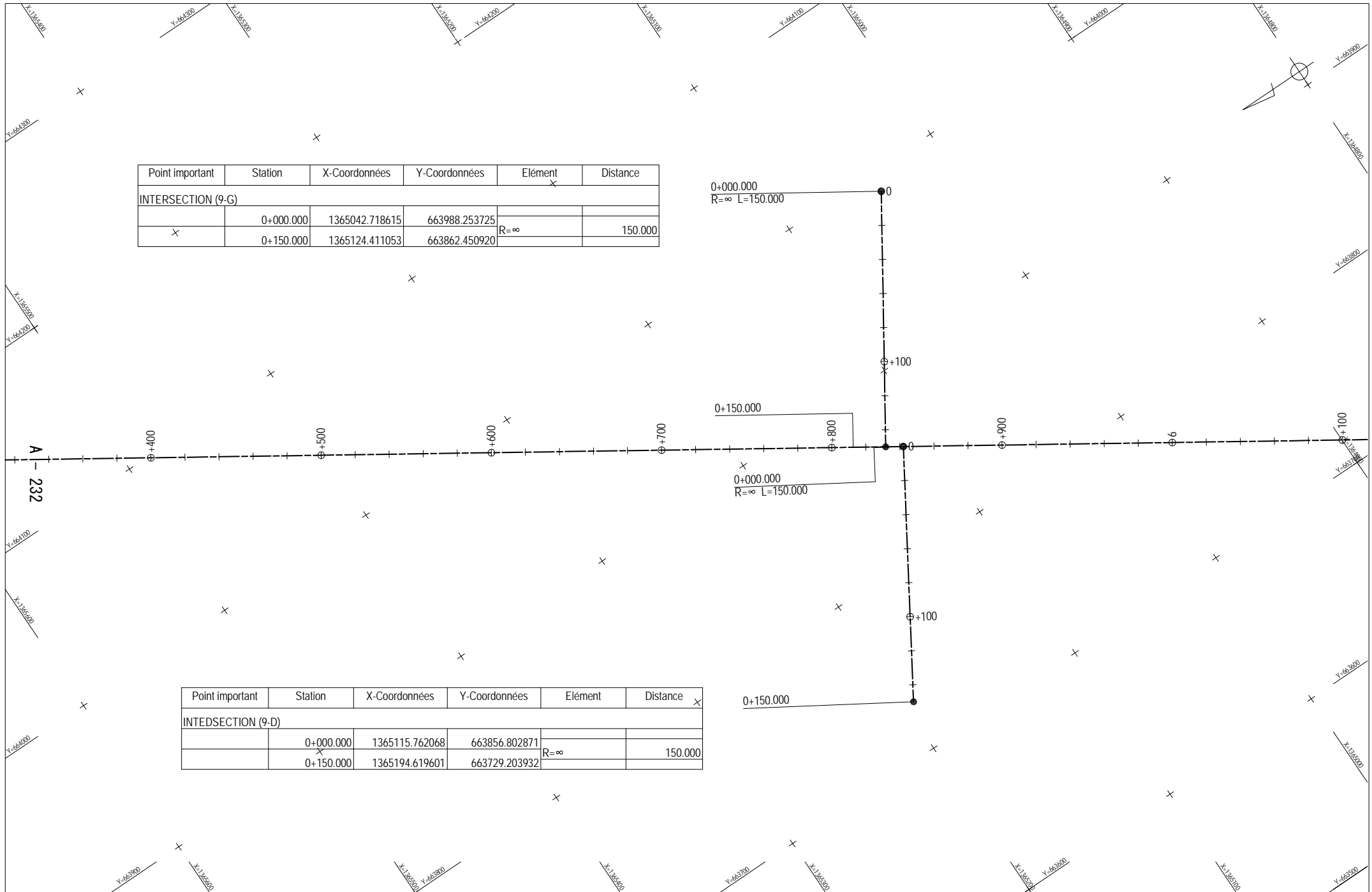


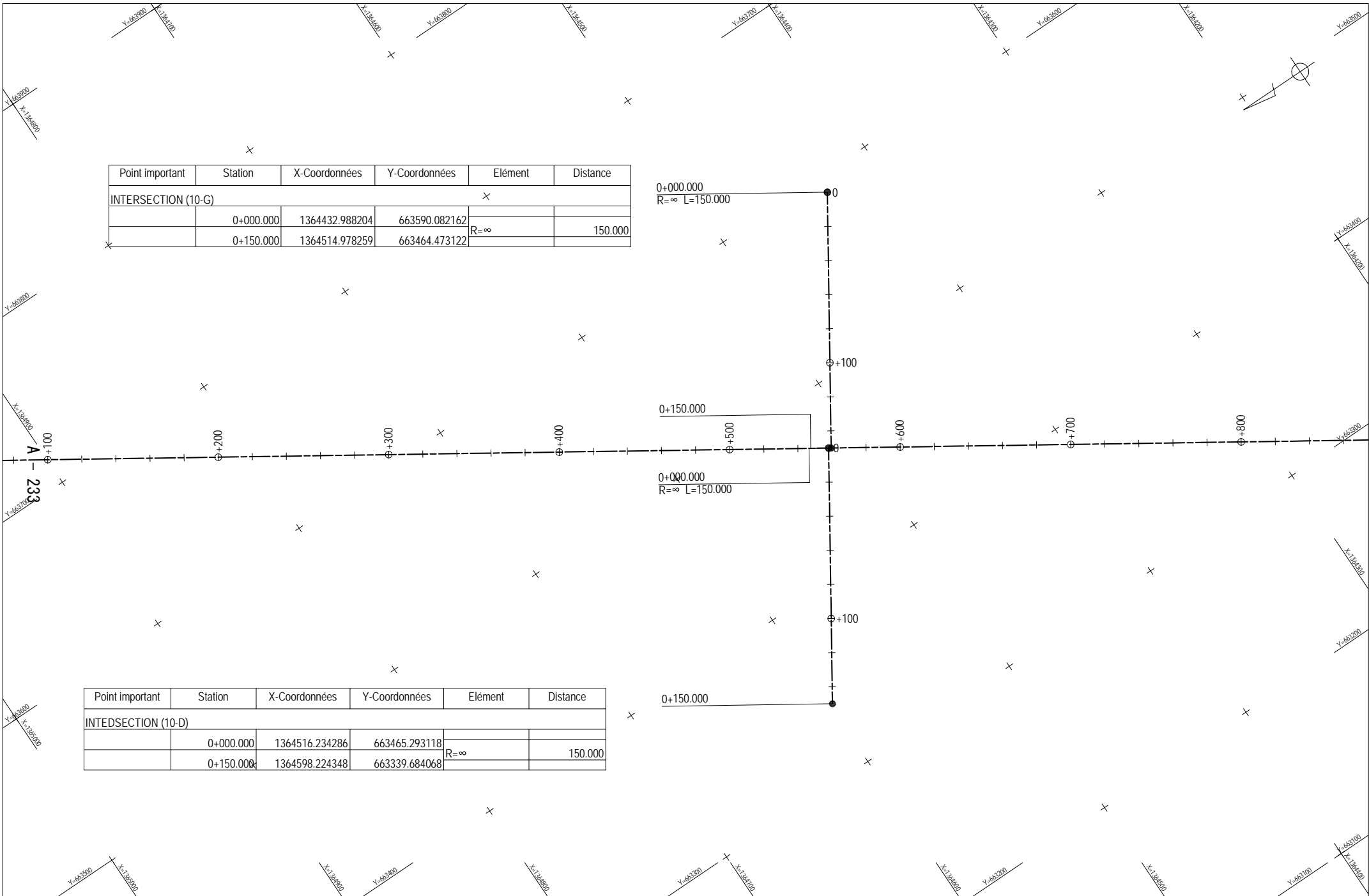
Point important	Station	X-Coordonnées	Y-Coordonnées	Elément	Distance
INTERSECTION (8-G)					
	0+000.000	1365507.540412	664291.784932	R=∞	150.000
	0+150.000	1365591.008489	664167.153154		

Point important	Station	X-Coordonnées	Y-Coordonnées	Elément	Distance
INTEDESECTION (8-D)					
x	0+000.000	1365625.581487	664189.730379	R=∞	150.000
	0+150.000	1365713.255573	664068.020652		

Point important	Station	X-Coordonnées	Y-Coordonnées	Elément	Distance
INTERSECTION (9-G)					
	0+000.000	1365042.718615	663988.253725		
x	0+150.000	1365124.411053	663862.450920	R=∞	150.000

Point important	Station	X-Coordonnées	Y-Coordonnées	Elément	Distance
INTEDESECTION (9-D)					
	0+000.000	1365115.762068	663856.802871		
x	0+150.000	1365194.619601	663729.203932	R=∞	150.000





Point important	Station	X-Coordonnées	Y-Coordonnées	Elément	Distance
INTERSECTION (10-G)					x
	0+000.000	1364432.988204	663590.082162	R=∞	150.000
	0+150.000	1364514.978259	663464.473122		

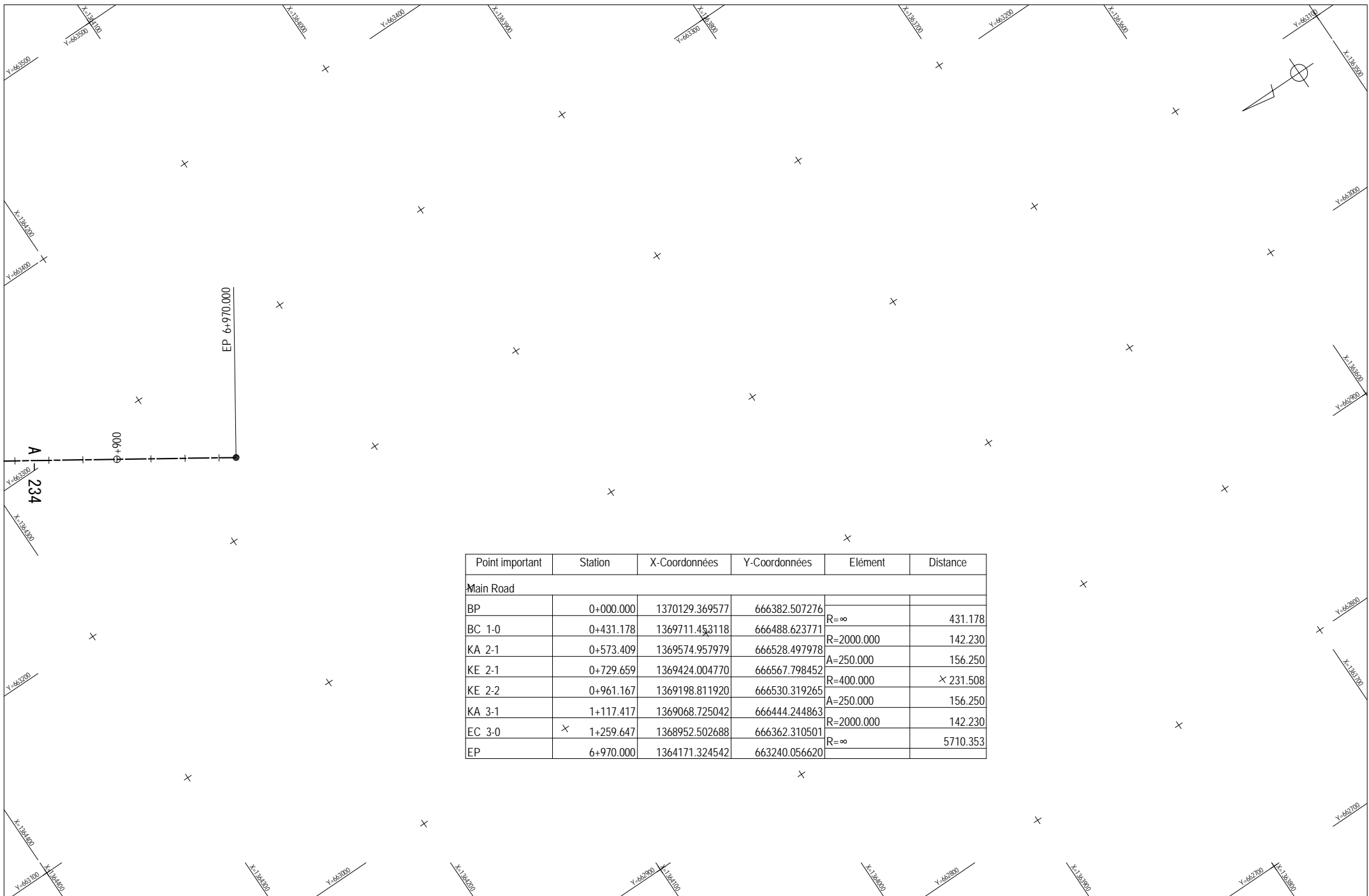
0+000.000
R=∞ L=150.000

0+150.000

0+000.000
R=∞ L=150.000

0+150.000

Point important	Station	X-Coordonnées	Y-Coordonnées	Elément	Distance
INTEDESECTION (10-D)					
	0+000.000	1364516.234286	663465.293118	R=∞	150.000
	0+150.000	1364598.224348	663339.684068		

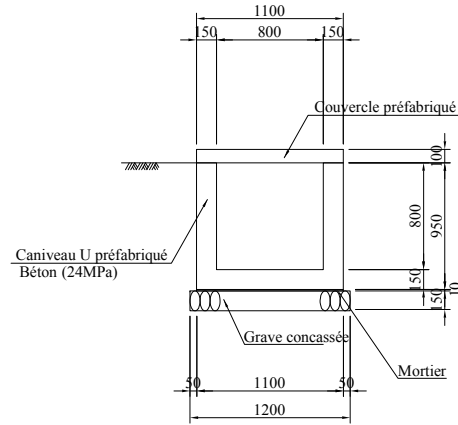


Point important	Station	X-Coordonnées	Y-Coordonnées	Elément	Distance
Main Road					
BP	0+000.000	1370129.369577	666382.507276		
BC 1-0	0+431.178	1369711.453118	666488.623771	R=∞	431.178
KA 2-1	0+573.409	1369574.957979	666528.497978	R=2000.000	142.230
KE 2-1	0+729.659	1369424.004770	666567.798452	A=250.000	156.250
KE 2-2	0+961.167	1369198.811920	666530.319265	R=400.000	× 231.508
KA 3-1	1+117.417	1369068.725042	666444.244863	A=250.000	156.250
EC 3-0	× 1+259.647	1368952.502688	666362.310501	R=2000.000	142.230
EP	6+970.000	1364171.324542	663240.056620	R=∞	5710.353

OUVRAGE DE DRAINAGE (1)

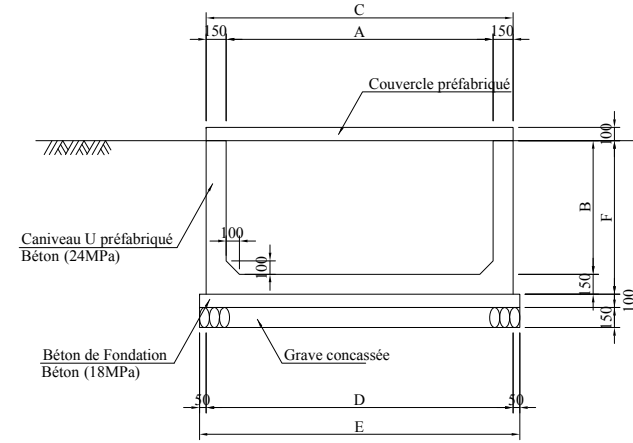
ECHELLE 1:40

Caniveau U
0.80 x 0.80



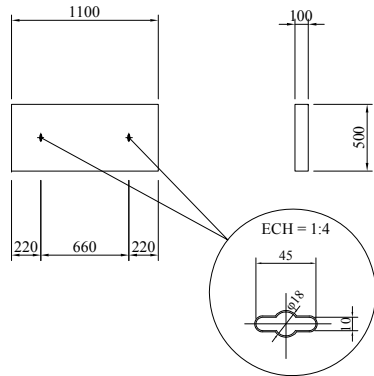
Caniveau U

1.40 x 1.00 2.00 x 1.20
1.40 x 1.40 2.00 x 1.50
1.60 x 1.60 2.00 x 1.80
 2.00 x 2.00



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(Couvercle préfabriqué)



(Couvercle préfabriqué)

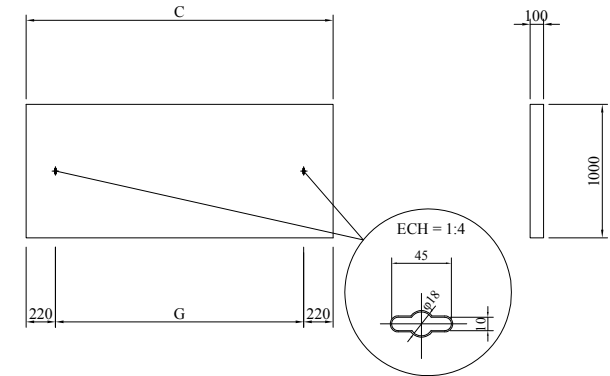


TABLE DE DIMENSION

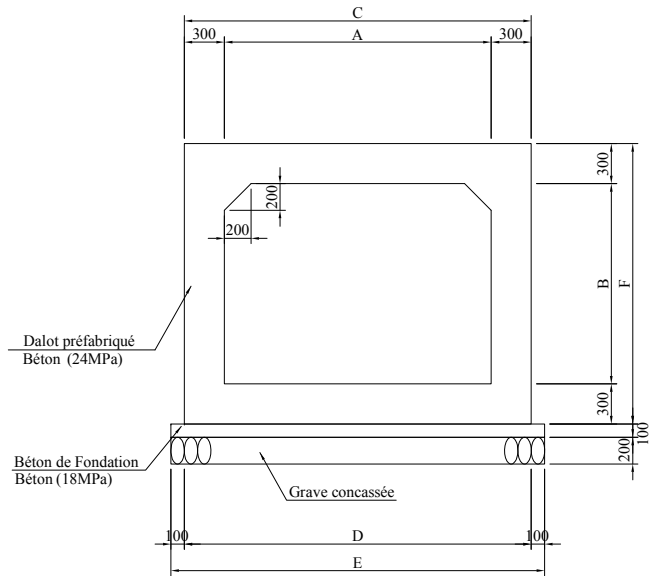
TYPE	A	B	C	D	E	F	G	REMARQUE
1.40 x 1.00	1400	1000	1700	1700	1800	1150	1260	
1.40 x 1.40	1400	1400	1700	1700	1800	1550	1260	
1.60 x 1.60	1600	1600	1900	1900	2000	1750	1460	
2.00 x 1.20	2000	1200	2300	2300	2400	1350	1860	
2.00 x 1.50	2000	1500	2300	2300	2400	1650	1860	
2.00 x 1.80	2000	1800	2300	2300	2400	1950	1860	
2.00 x 2.00	2000	2000	2300	2300	2400	2150	1860	

OUVRAGE DE DRAINAGE (2)

ECHELLE 1:40

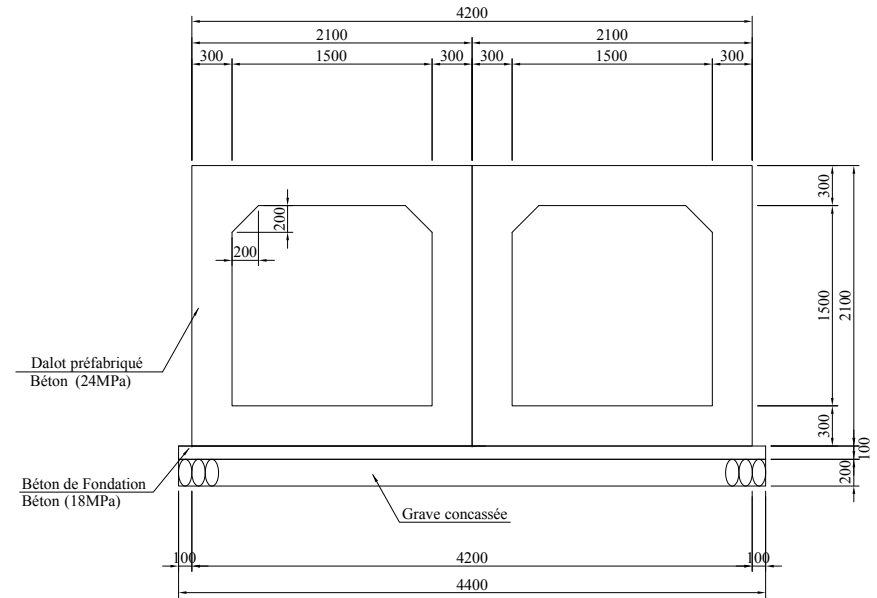
Dalot

0.80 x 0.80 1.60 x 1.60
 1.40 x 1.00 2.00 x 1.20
 1.40 x 1.40 2.00 x 1.50
 2.00 x 1.80
 2.00 x 2.00



Dalot

1.50 x 1.50 x 2



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TABLE DE DIMENSION

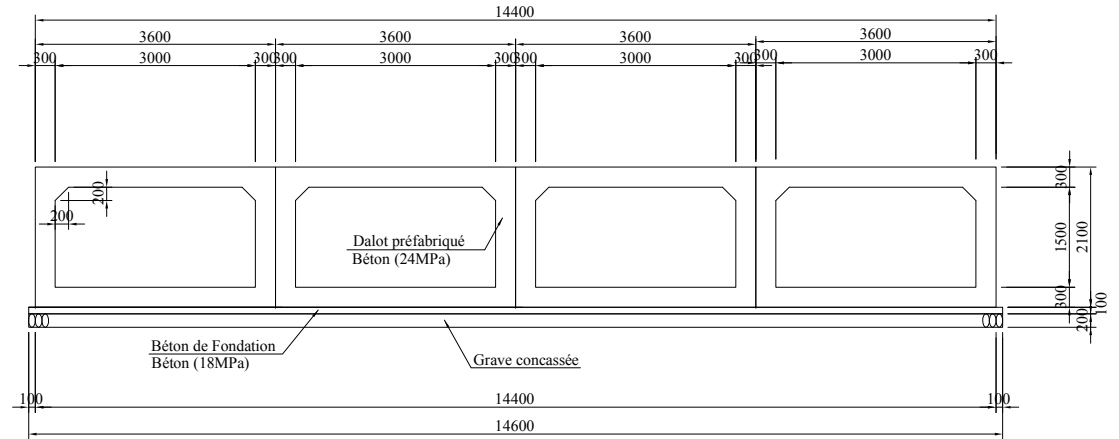
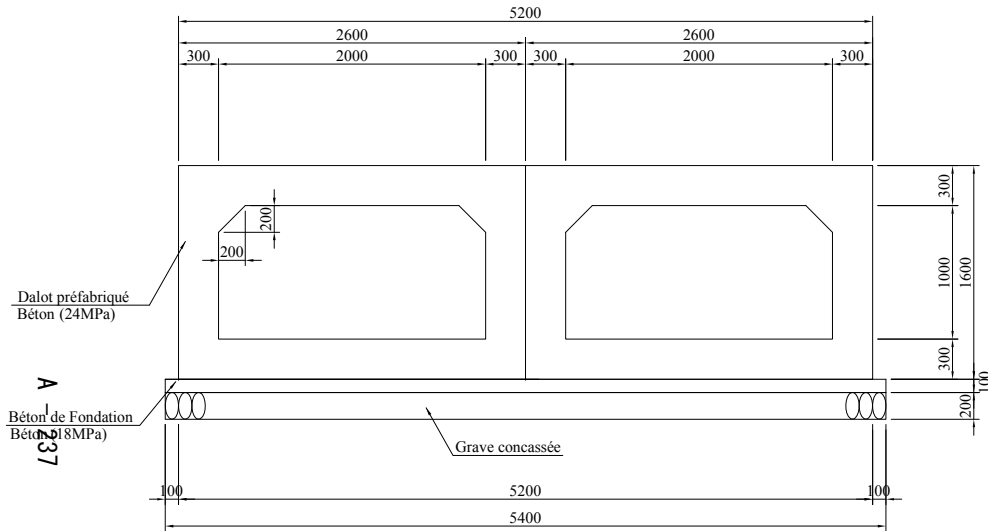
TYPE	A	B	C	D	E	F	REMARQUE
0.80 x 0.80	800	800	1400	1400	1600	1400	
1.40 x 1.00	1400	1000	2000	2000	2200	1600	
1.40 x 1.40	1400	1400	2000	2000	2200	2000	
1.60 x 1.60	1600	1600	2200	2200	2400	2200	
2.00 x 1.20	2000	1200	2600	2600	2800	1800	
2.00 x 1.50	2000	1500	2600	2600	2800	2100	
2.00 x 1.80	2000	1800	2600	2600	2800	2400	
2.00 x 2.00	2000	2000	2600	2600	2800	2600	

OUVRAGE DE DRAINAGE(3)

ECHELLE Common Indiqué

Dalot ECHELLE 1:40
2.00 x 1.00 x 2

Dalot ECHELLE 1:80
3.00 x 1.50 x 4

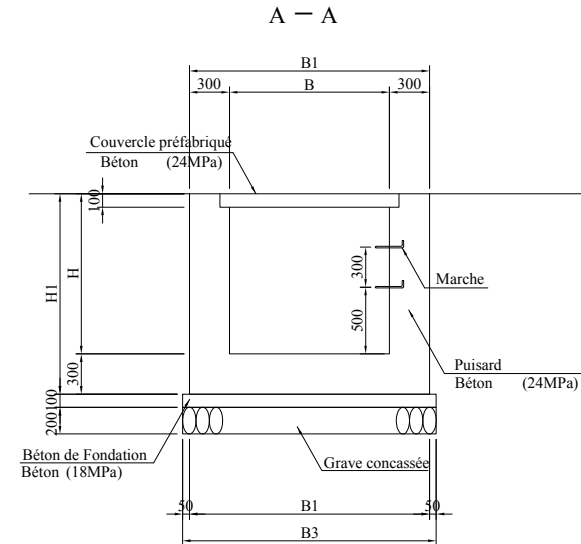
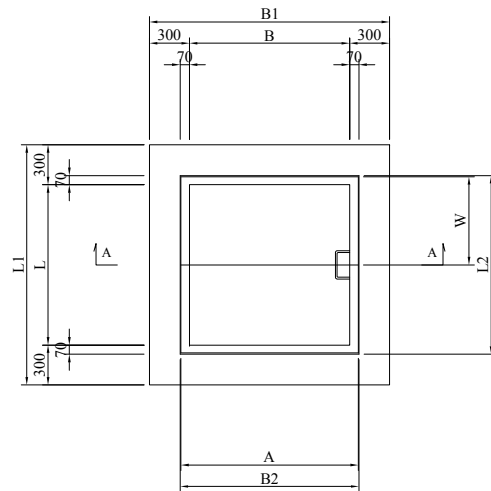


OUVRAGE DE DRAINAGE (4)

ECHELLE Common Indiqué

Puisard ECHELLE 1:40

1.10 x 1.10 x 1.10 2.30 x 2.30 x 1.50
 1.70 x 1.70 x 1.30 2.30 x 2.30 x 1.80
 1.70 x 1.70 x 1.70 2.30 x 2.30 x 2.10
 1.90 x 1.90 x 1.90 2.30 x 2.30 x 2.30

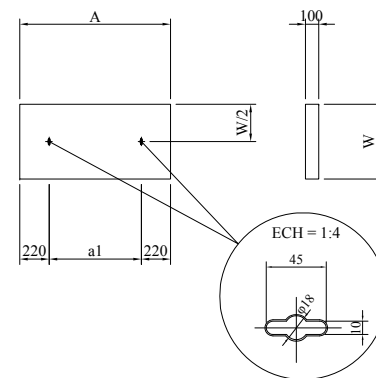


A - 238

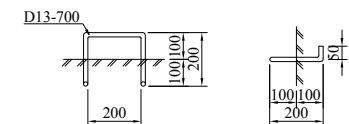
TABLE DE DIMENSION

TYPE	B	L	H	B1	B2	B3	L1	L2	H1	A	W	a1	REMARQUE
1.10 x 1.10 x 1.10	1100	1100	1100	1700	1240	1800	1700	1240	1400	1230	610	790	
1.70 x 1.70 x 1.30	1700	1700	1300	2300	1840	2400	2300	1840	1600	1830	910	1390	
1.70 x 1.70 x 1.70	1700	1700	1700	2300	1840	2400	2300	1840	2000	1830	910	1390	
1.90 x 1.90 x 1.90	1900	1900	1900	2500	2040	2500	2500	2040	2200	2030	1010	1590	
2.30 x 2.30 x 1.50	2300	2300	1500	2900	2440	3000	2900	2440	1800	2430	1210	1990	
2.30 x 2.30 x 1.80	2300	2300	1800	2900	2440	3000	2900	2440	2100	2430	1210	1990	
2.30 x 2.30 x 2.10	2300	2300	2100	2900	2440	3000	2900	2440	2400	2430	1210	1990	
2.30 x 2.30 x 2.30	2300	2300	2300	2900	2440	3000	2900	2440	2600	2430	1210	1990	

Couvrete A x W ECHELLE 1:40



Marche ECHELLE 1:20

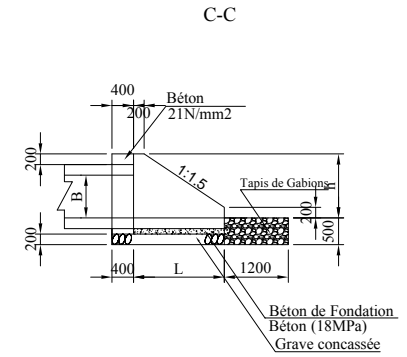
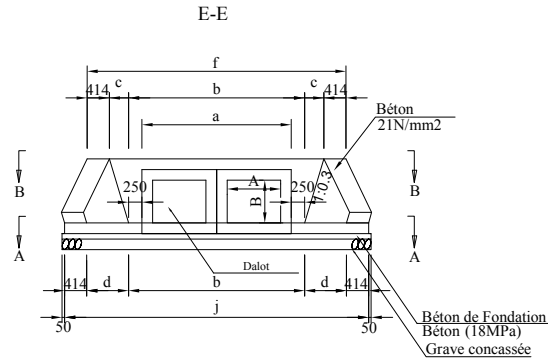
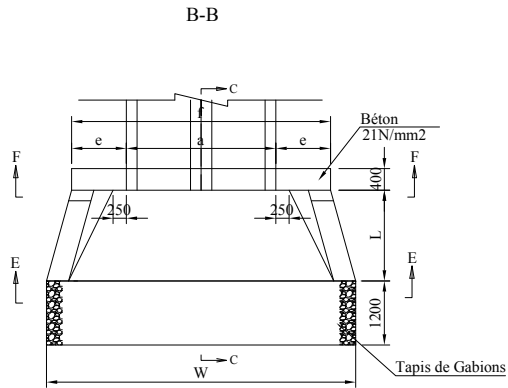


OUVRAGE DE DRAINAGE (5)

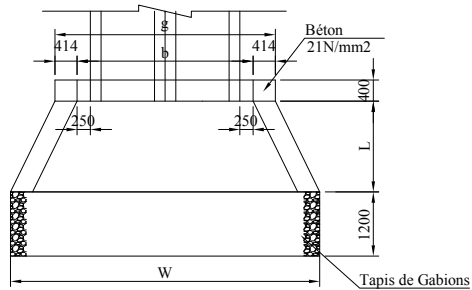
ECHELLE 1:100

Entrée et Sortie

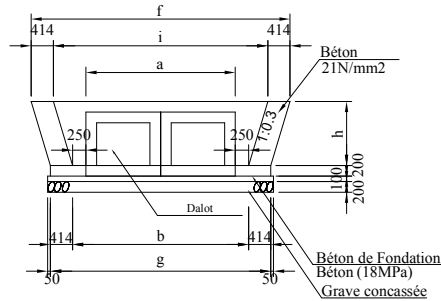
(1.50 x 1.50 x 2)
(2.00 x 1.00 x 2)
(3.00 x 1.50 x 4)



A-A



F-F



LISTE DE DIMENSION

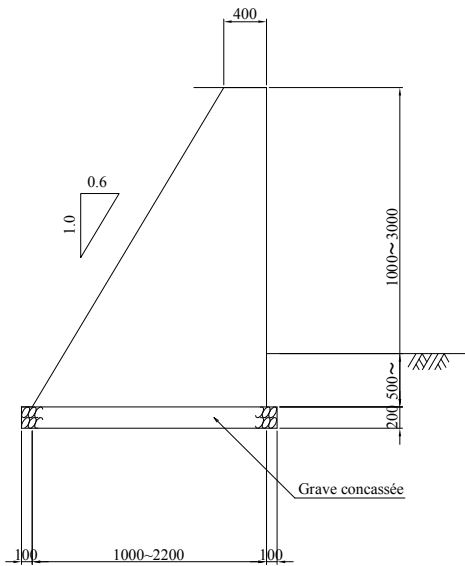
TYPE	A	B	a	b	c	d	e	f	g	h	i	j	L	W
(1.50 x 1.50 x 2)	1500	1500	4200	4700	600	1371	1264	6728	5528	2000	5900	8270	2900	8370
(2.00 x 1.00 x 2)	2000	1000	5200	5700	450	1004	1114	7428	6528	1500	6600	8535	2150	8635
(3.00 x 1.50 x 4)	3000	1500	14400	14900	600	1371	1264	16928	15728	2000	16100	18470	2900	18570

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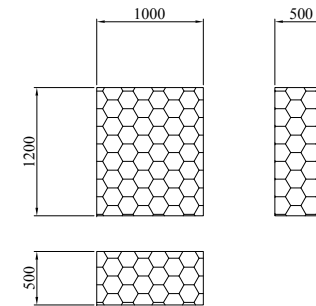
DETAIL DE MUR DE SOUTÈNEMENT

ECHELLE A3 1:50

Mur de Soutènement Poids



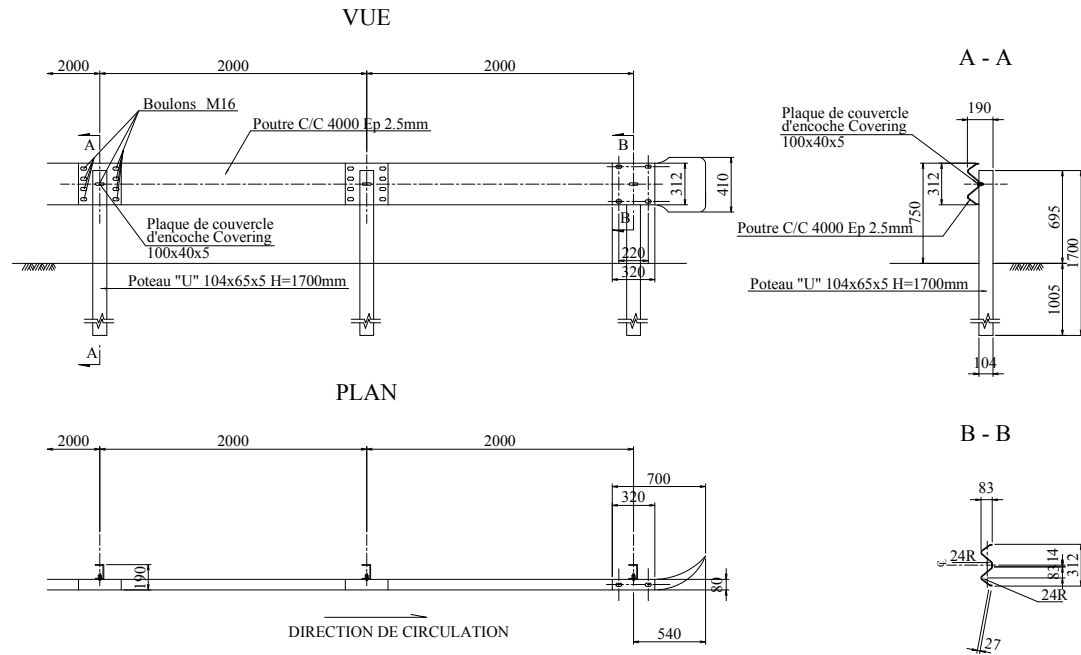
Tapis de Gabions



A - 240

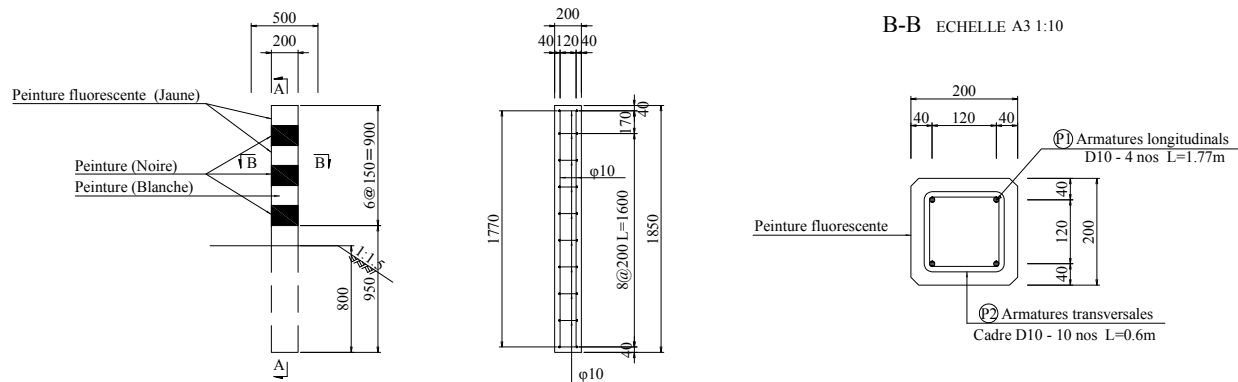
DETAILS DE SECURITE DE CIRCULATION (1) ECHELLE Common indiqué

GLISSIERE DE SECURITE ECHELLE 1:40



POTEAU DE PROTECTION

VUE GENERALE ECHELLE A3 1:40 A-A ECHELLE A3 1:40



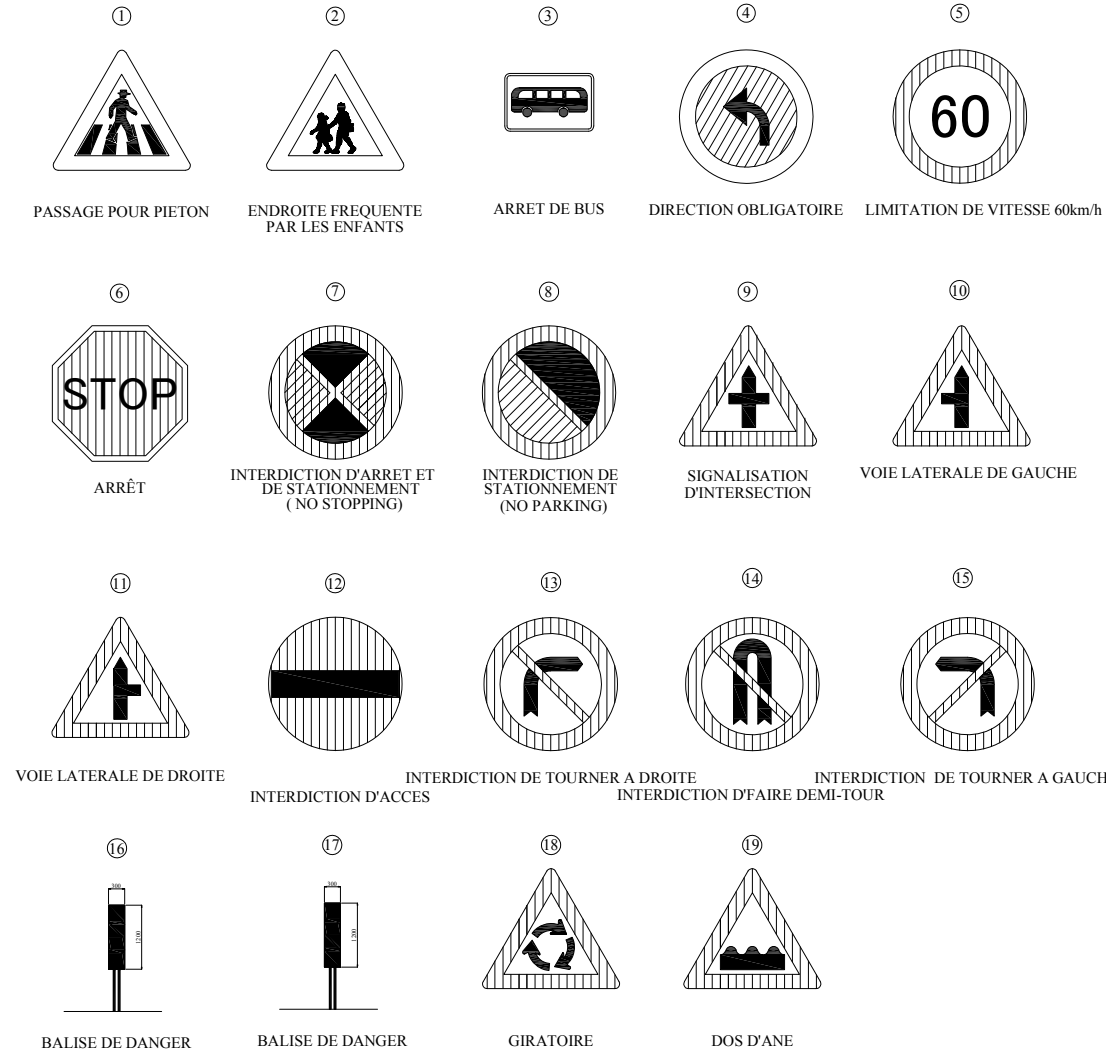
- Note :
- 1) La résistance du béton doit être mesurée par écrasement d'éprouvettes cylindriques (La résistance à l'écrasement sur échantillon cubique doit être 1,25 fois la valeur de la résistance sur échantillon cylindrique).
 - 2) $N/mm^2 = MPa$
 - 3) Des matériaux protégés contre la corrosion doivent être utilisés pour la glissière de sécurité et la clôture métallique.

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AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTERE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADE SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	DETAILS DE SECURITE DE CIRCULATION (1)	ECHELLE	DATE	N°
				PREPARE PAR:				
				VERIFIE PAR:				

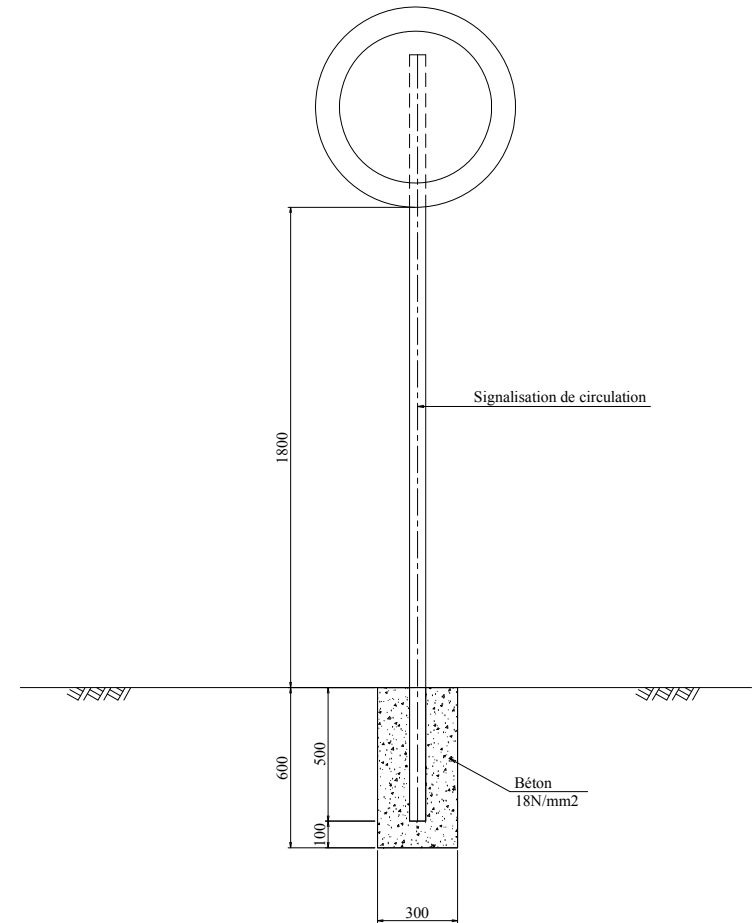
DETAILS DE SECURITE DE CIRCULATION (2) ECHELLE Common indiqué

PANNEAUX DE DANGER



DETAILS DE POTEAU DE SIGNALISATION

ECHELLE A3 1:20



Note :
 1) La résistance du béton doit être mesurée par écrasement d'éprouvettes cylindriques (La résistance à l'écrasement sur échantillon cubique doit être 1,25 fois la valeur de la résistance sur échantillon cylindrique.
 2) N/mm² = MPa

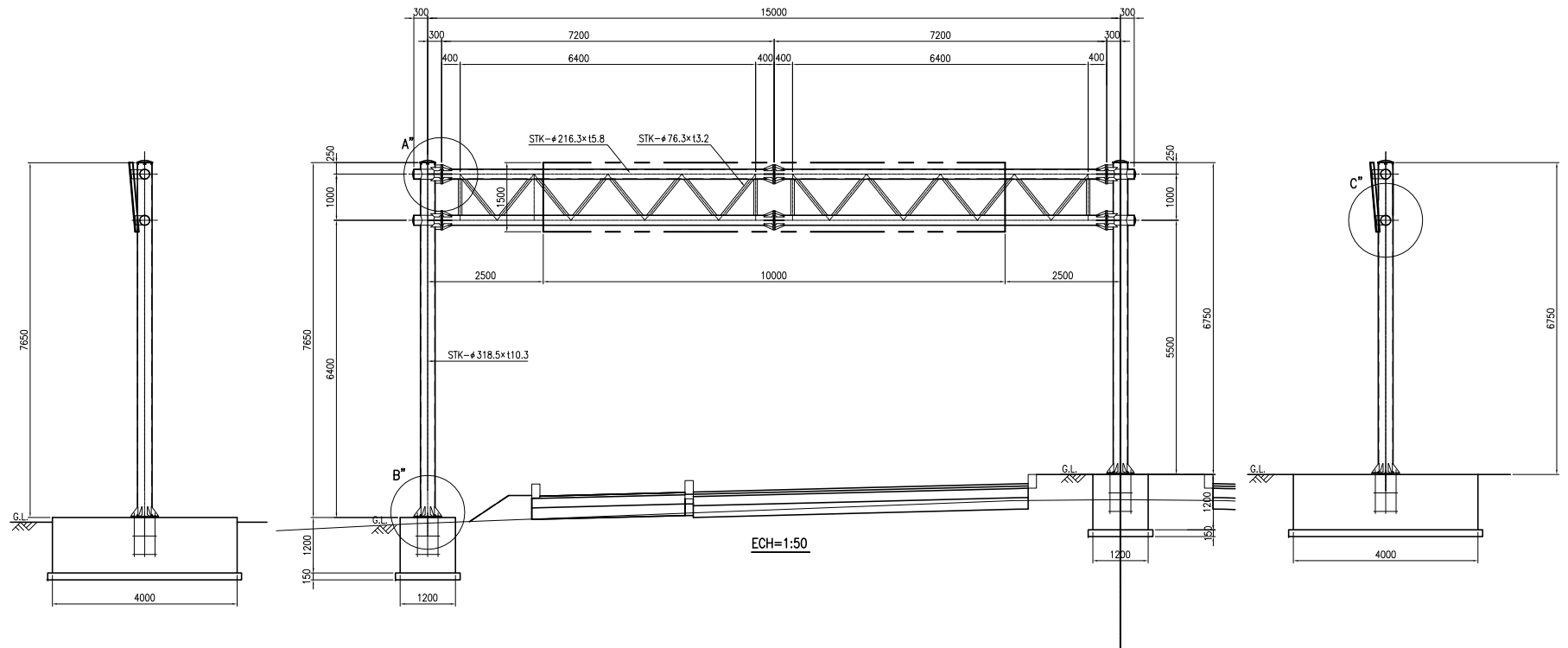
A - 242

AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTÈRE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADE SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	DETAILS DE SECURITE DE CIRCULATION (2)	ECHELLE	DATE	N°
				PREPARE PAR:				
				VERIFIE PAR:				

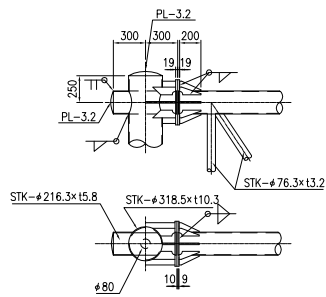
DETAILS DE SECURITE DE CIRCULATION (3)

POTEAU DE SIGNALISATION ROUTIERE

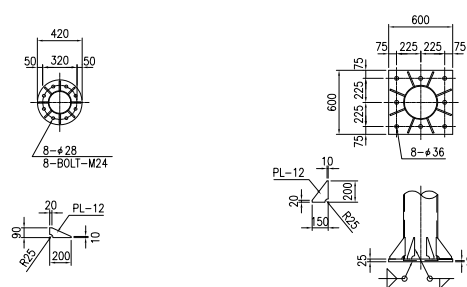
ECHELLE 1:50



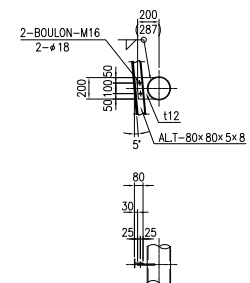
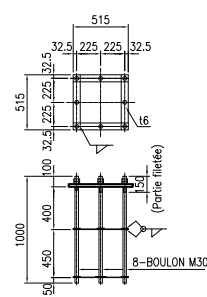
A - 243



Détail A* ECH=1:25



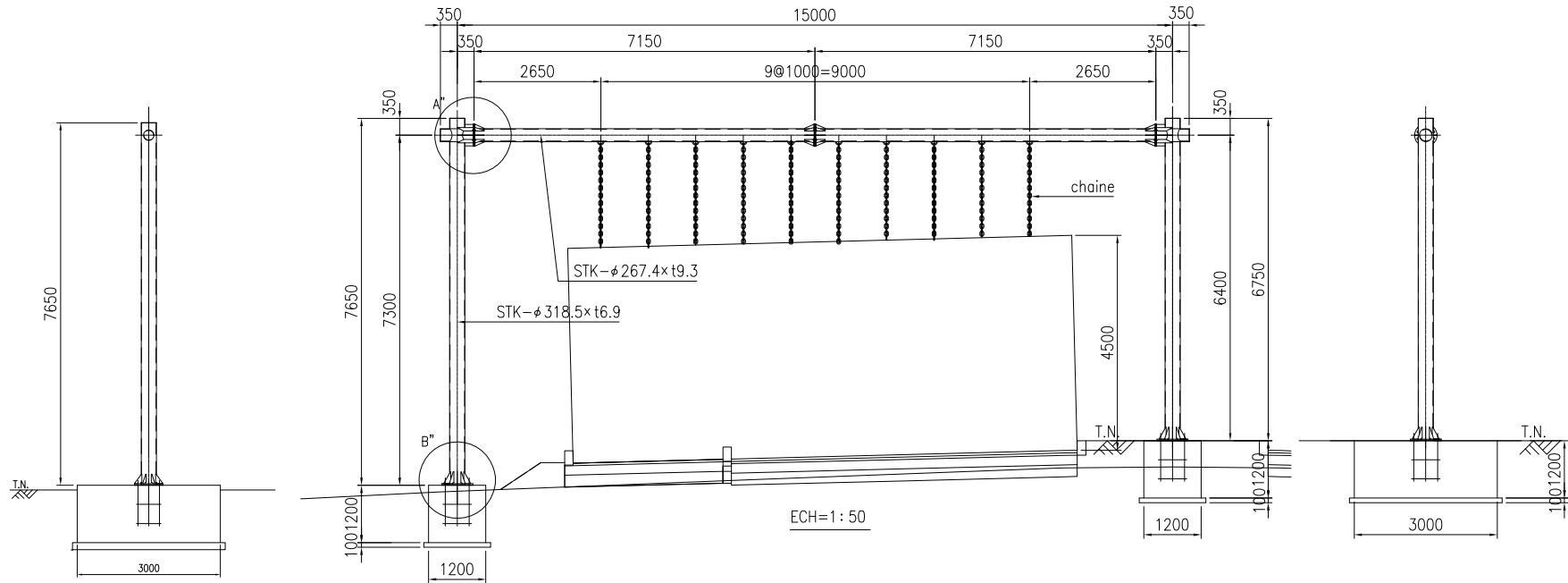
Détail B* ECH=1:25



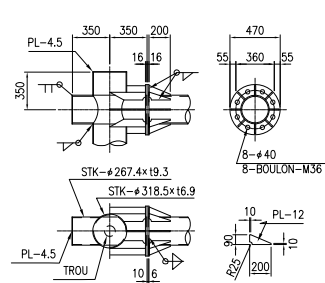
Détail C* ECH=1:25

DETAILS DE SECURITE DE CIRCULATION (4)

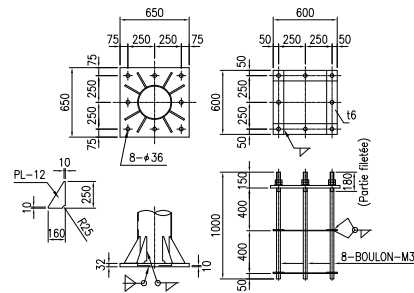
PORTIQUE POUR SIGNALISATION DE HAUTEUR LIMITEE ECHELLE 1:50



A - 244



Détail A" ECH=1:25

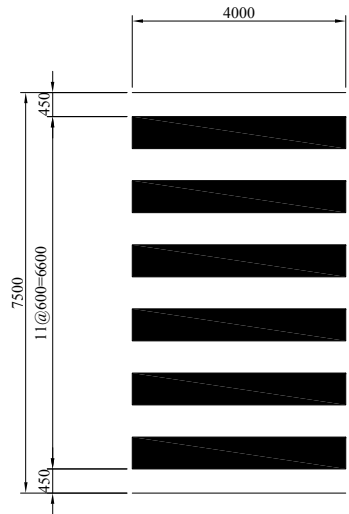


Détail B" ECH=1:25

DETAILS DE MARQUAGE AU SOL DE CIRCULATION ECHELLE 1:100

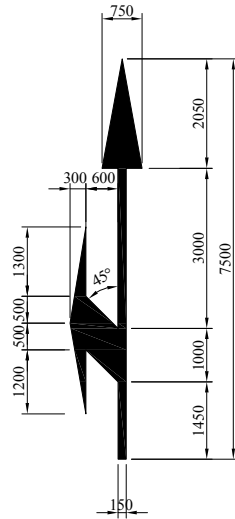
FLECHE AU SOL

PASSAGE PIETONS

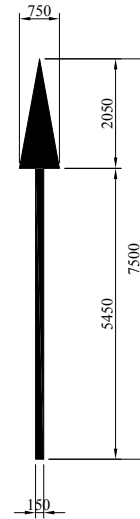


A - 245

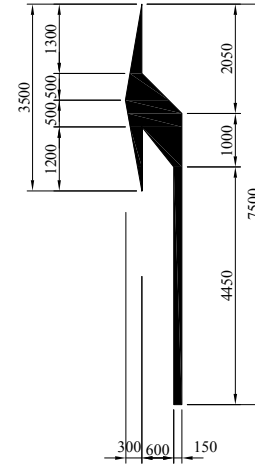
TOUT DROIT-TOURNE A GAUCHE



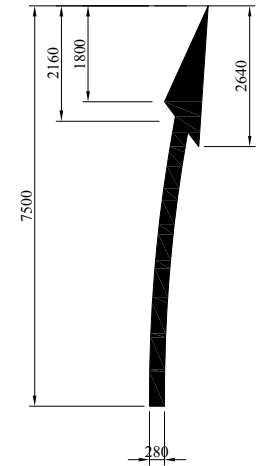
TOUT DROIT



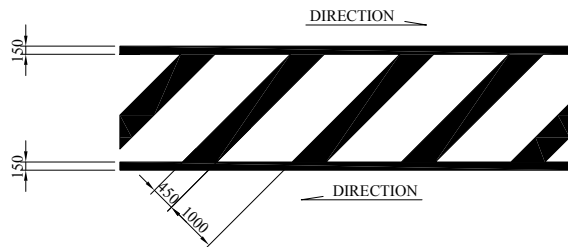
TOURNE A GAUCHE



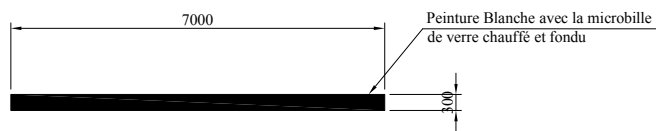
FLECHE DE RABATTEMENT



MARQUAGE ZEBRÉ



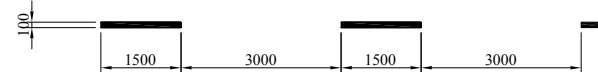
LIGNE DE STOP



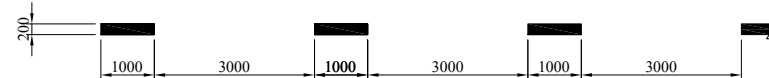
LIGNE CONTINUE



LIGNE DISCONTINUE

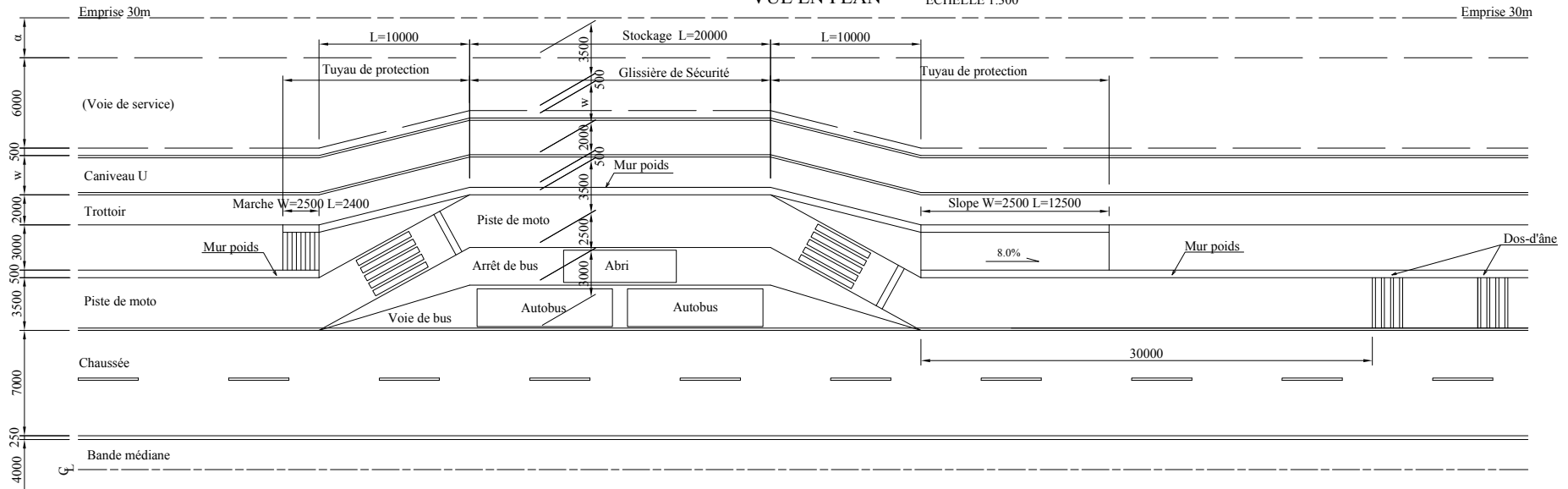


AIRE D'ARRET

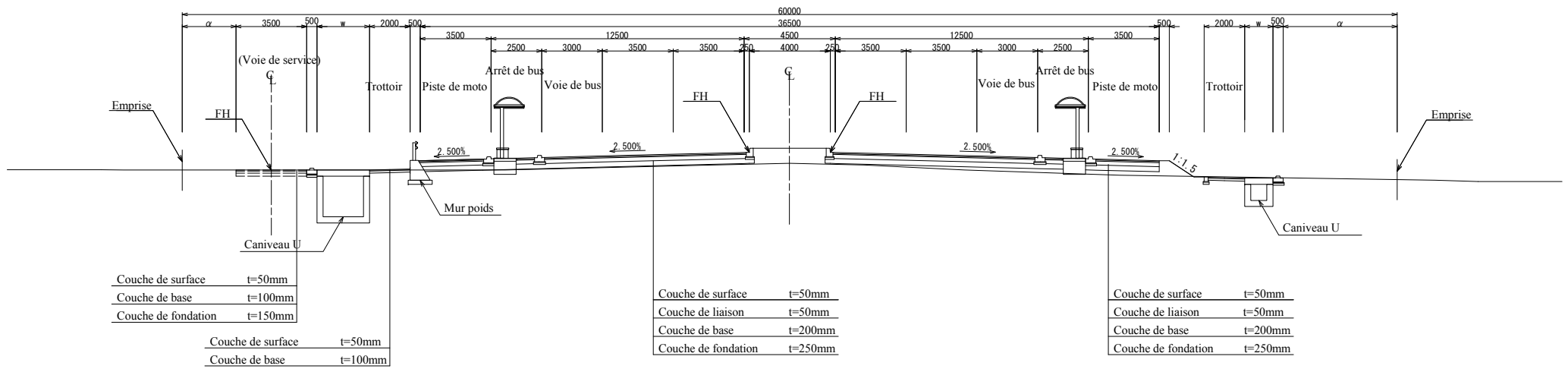


DETAILS AIRE D'ARRET ECHELLE Common indiqué

VUE EN PLAN ECHELLE 1:300



AMENAGEMENT TYPE ECHELLE 1:200



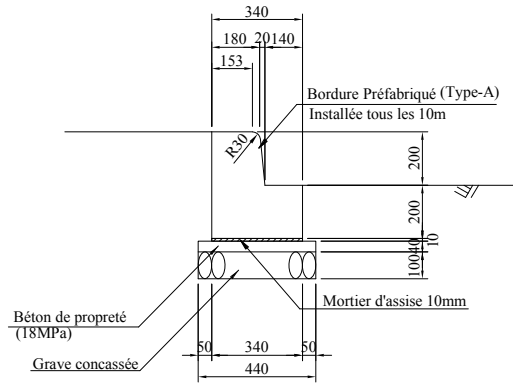
A - 246

AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTERE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADE SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE: PREPARE PAR: VERIFIE PAR:	DETAILS AIRE D'ARRET	ECHELLE	DATE	N°
								44

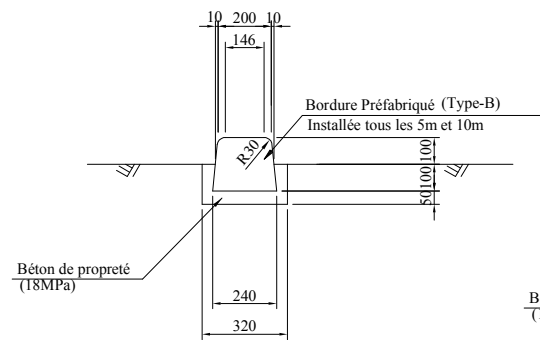
DETAILS D'AUTRE OUVRAGE (1)

ECHELLE 1:20

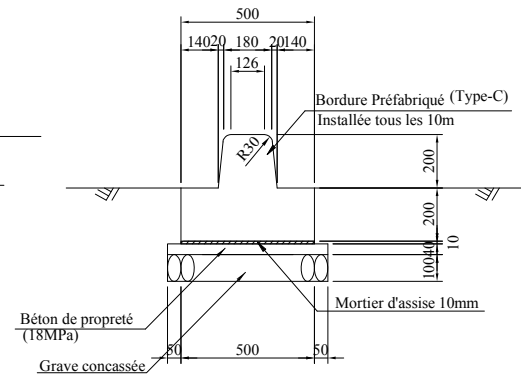
Bordure Type1



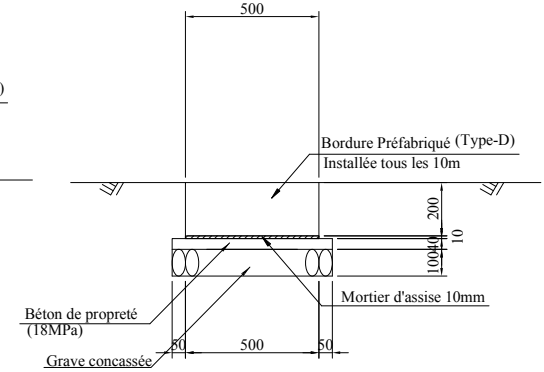
Bordure Type2



Bordure Type3

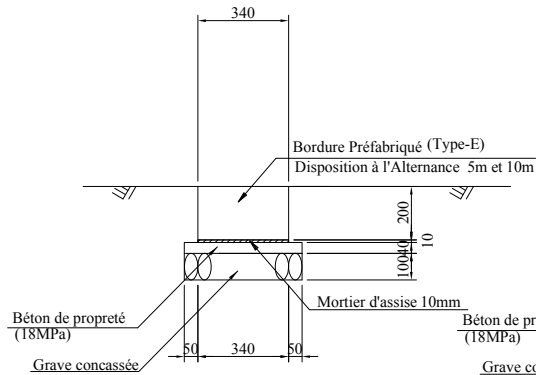


Bordure Type4

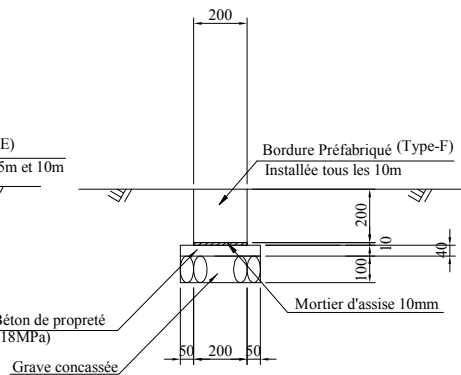


A - 247

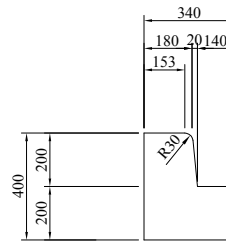
Bordure Type5



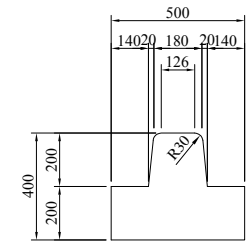
Bordure Type6



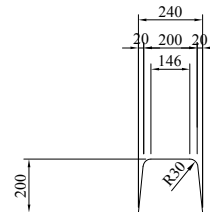
Bordure Type-A



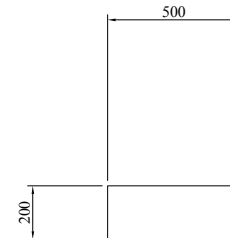
Bordure Type-C



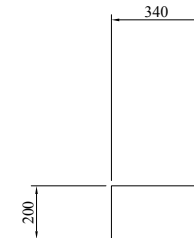
Bordure Type-B



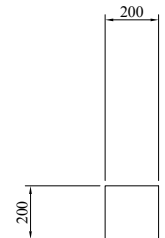
Bordure Type-D



Bordure Type-E



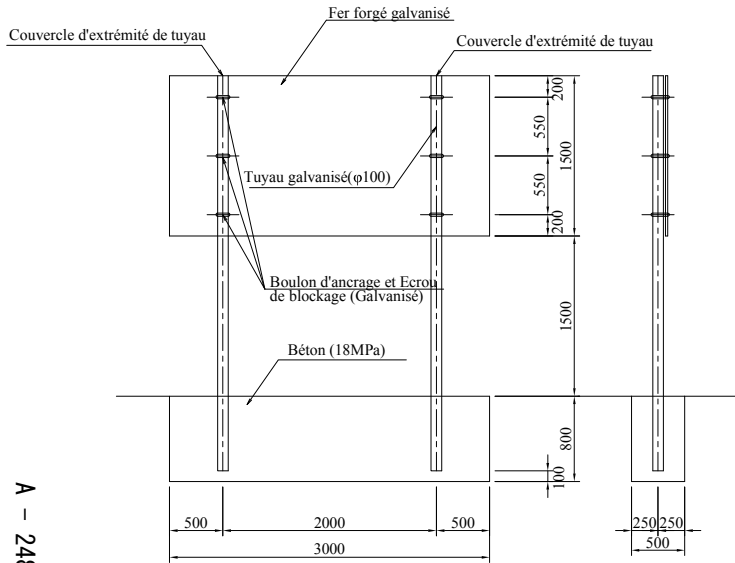
Bordure Type-F



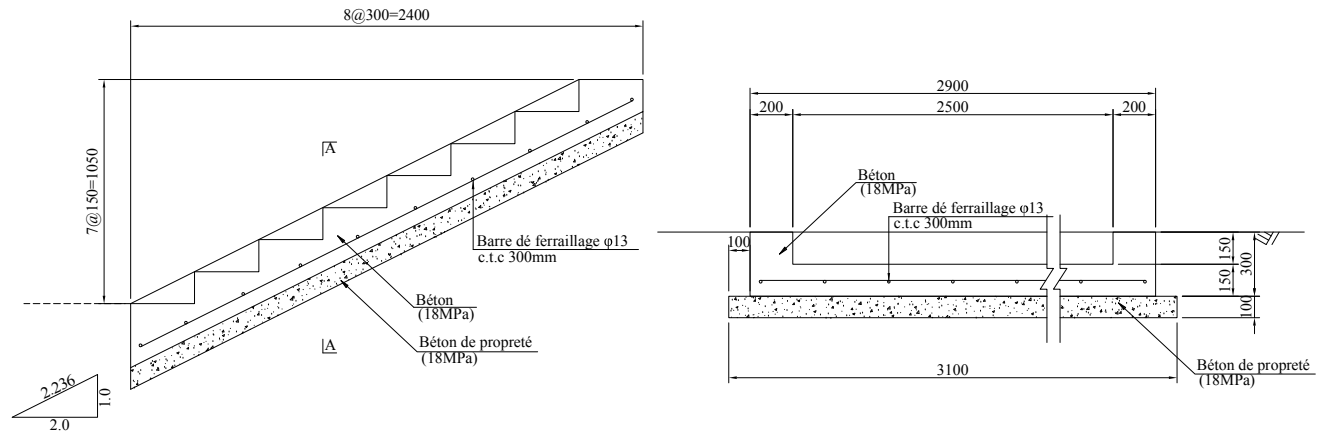
DETAILS D'AUTRE OUVRAGE (2)

ECHELLE Common indiqué

PANNEAU PUBLIC DU PROJET ECHELLE A3 1:50

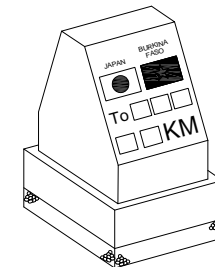
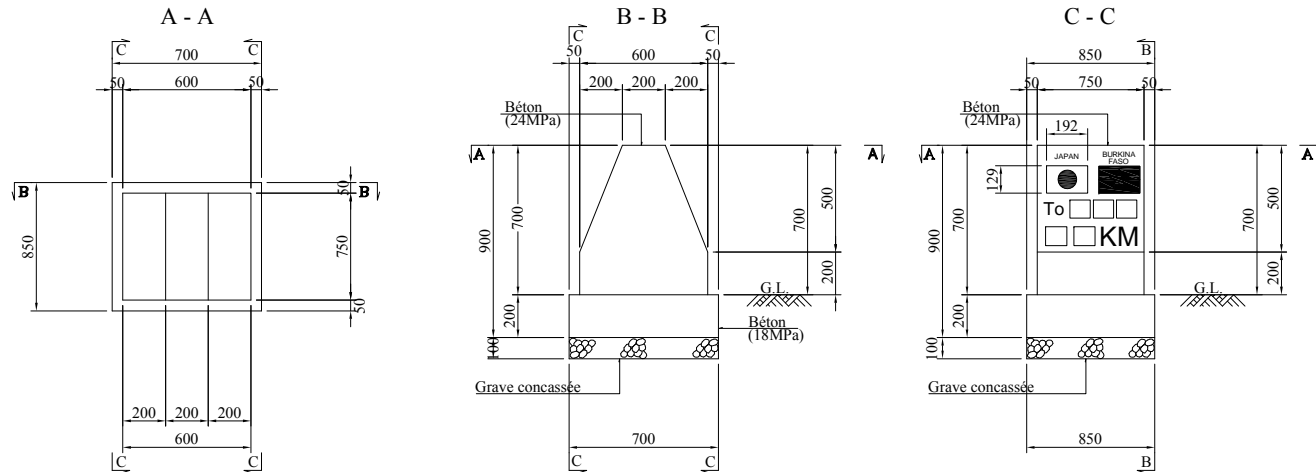


MARCHE EN BETON ECHELLE A3 1:25



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BORNE DE PROJECT ECHELLE A3 1:25

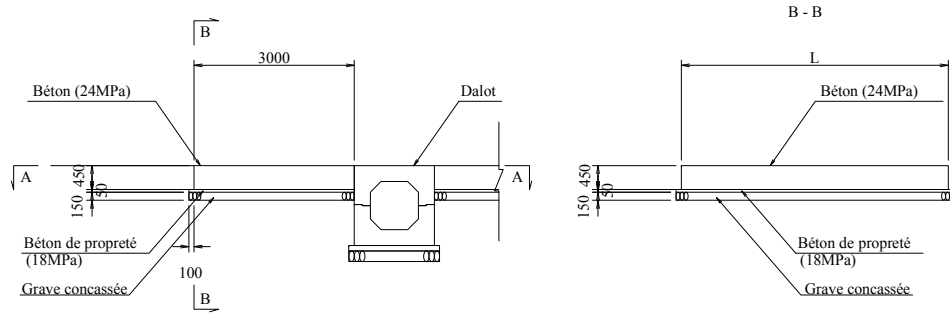


Note: L'installation de bornes kilométriques doit être faite alternativement tous les 1km

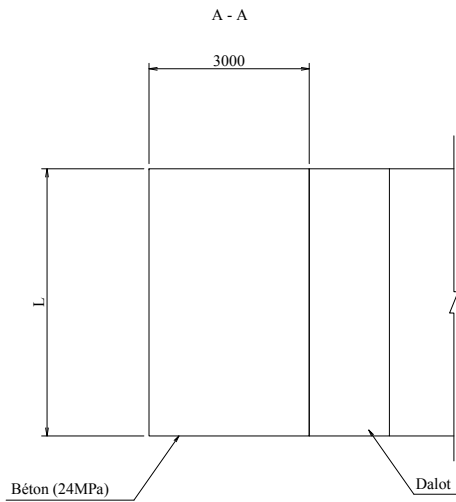
DETAILS D'AUTRE OUVRAGE (3)

ECHELLE A3 1:100

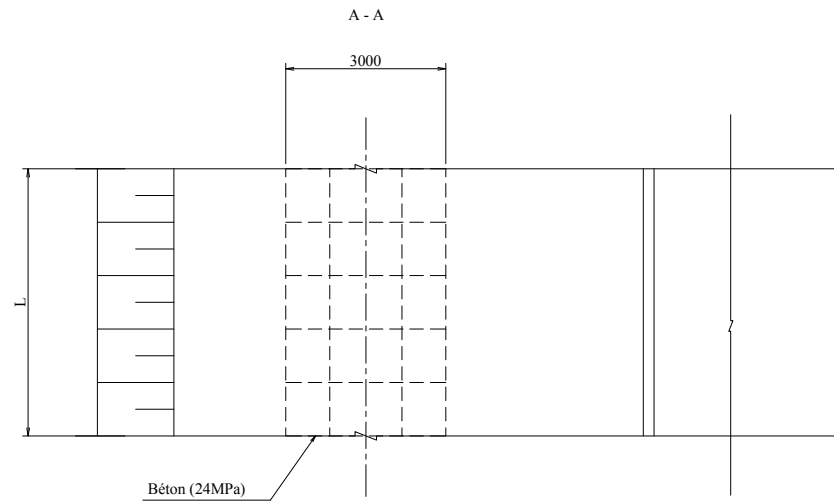
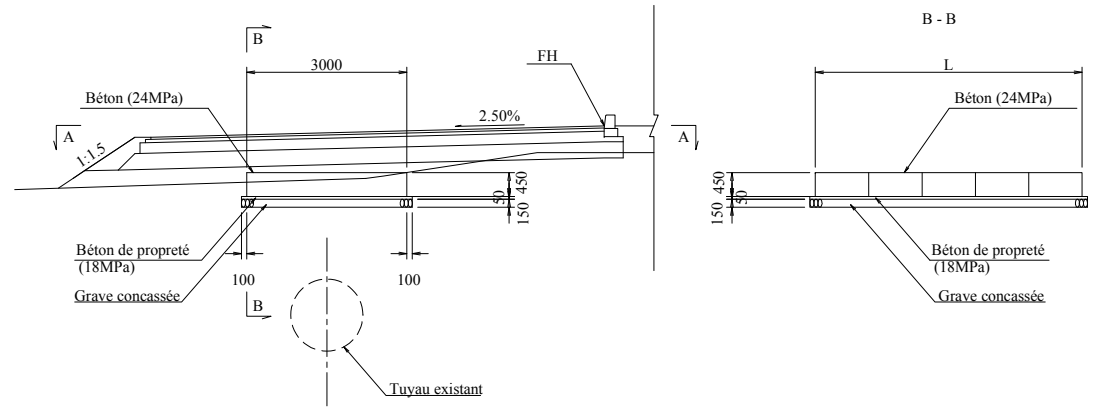
COUSSIN D'APPROCHE DE DALOT



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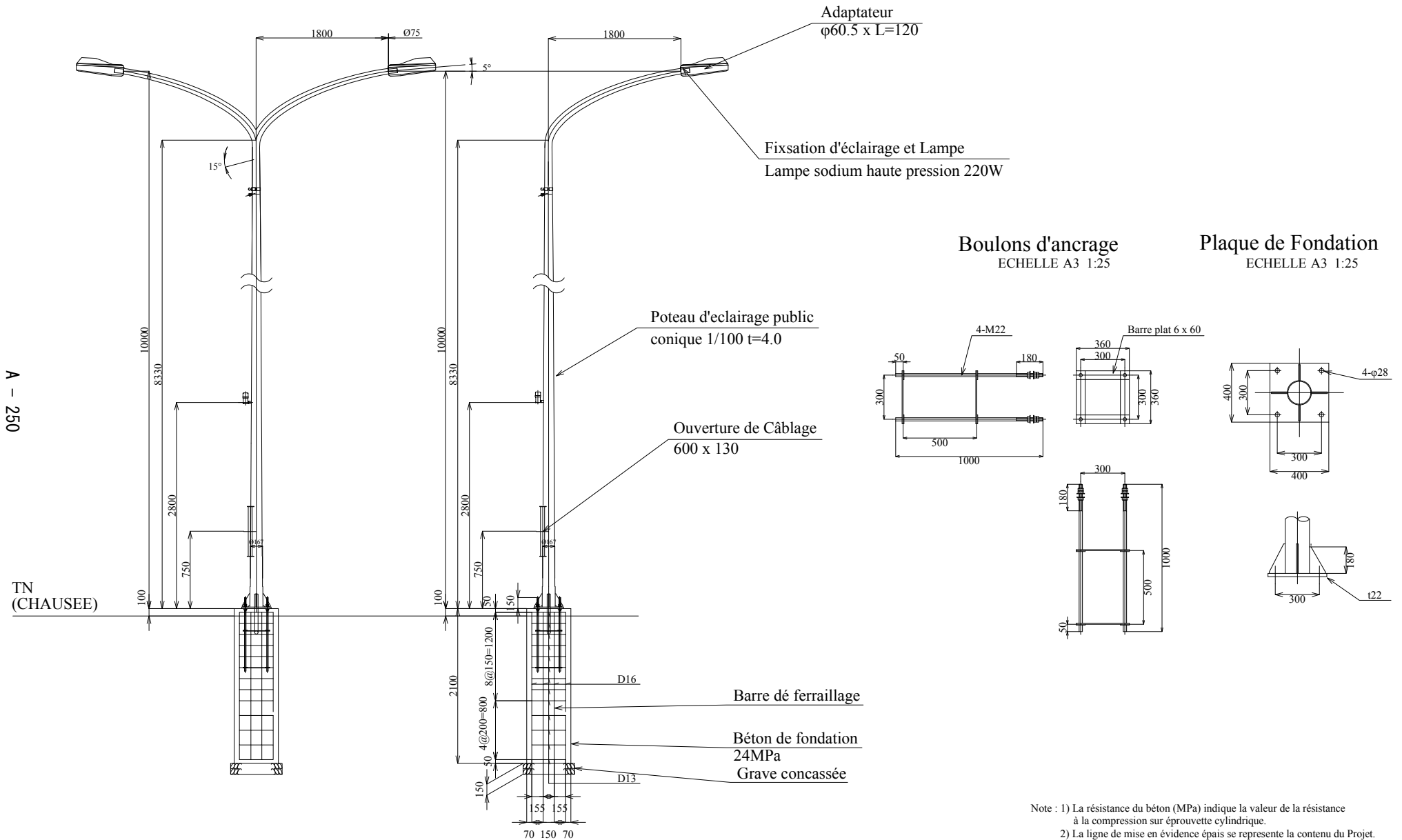


TRAVAUX DE PROTECTION POUR LE TUYAU EXISTANT



ECLAIRAGE PUBLIC ET DETAILS DE FEUX DE CIRCULATION (1) ECHELLE A3 1:50

POTEAU D'ECLAIRAGE PUBLIC

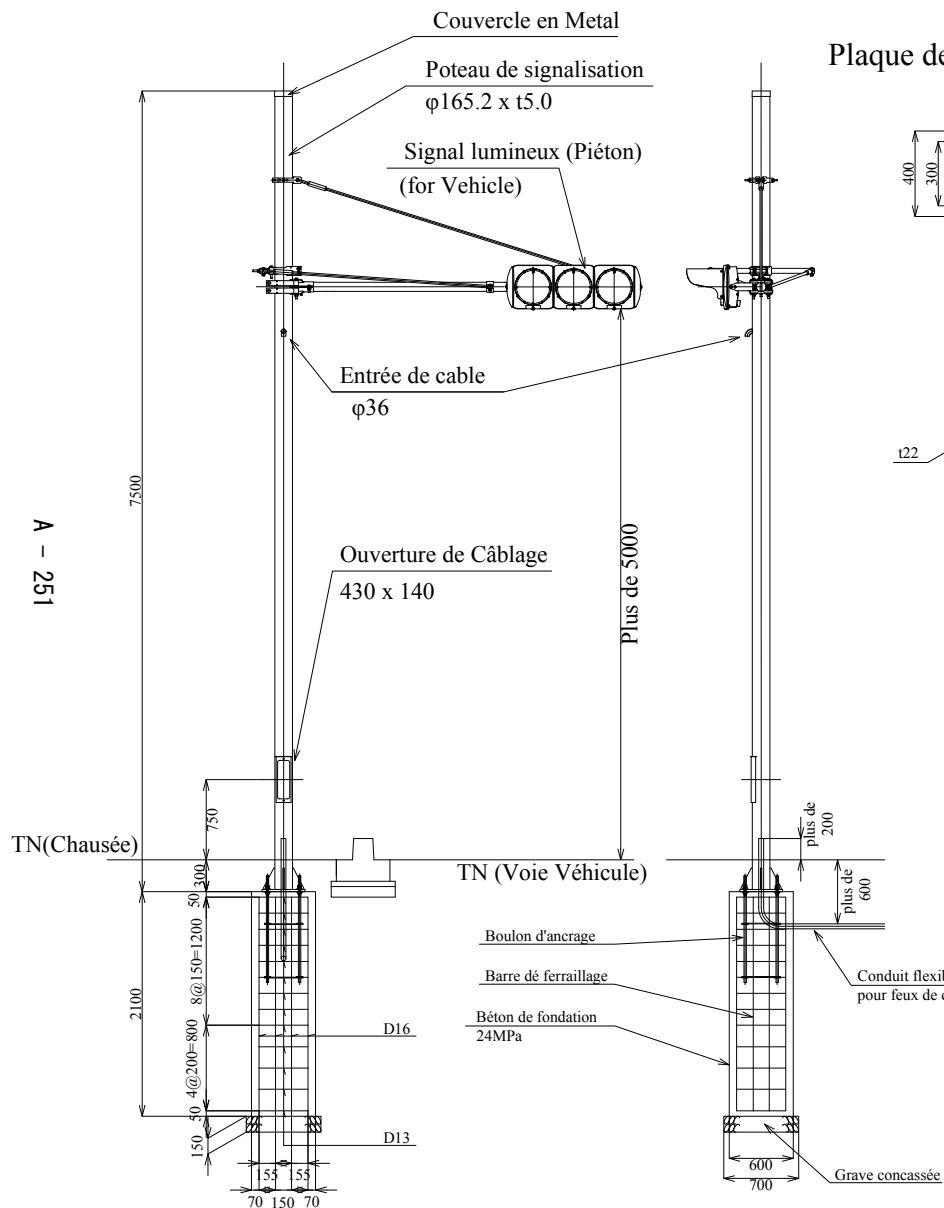


Note : 1) La résistance du béton (MPa) indique la valeur de la résistance à la compression sur éprouvette cylindrique.
 2) La ligne de mise en évidence épais se représente la contenu du Projet.

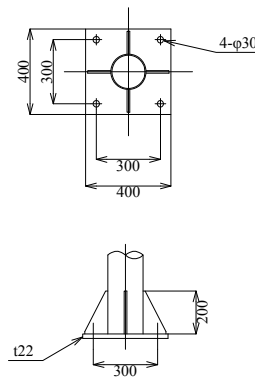
ECLAIRAGE PUBLIC ET DETAILS DE FEUX DE CIRCULATION (2) ECHELLE A3 1:50

POTEAU DE FEUX DE CIRCULATION

Pôle de signal du véhicule ECHELLE A3 1:50

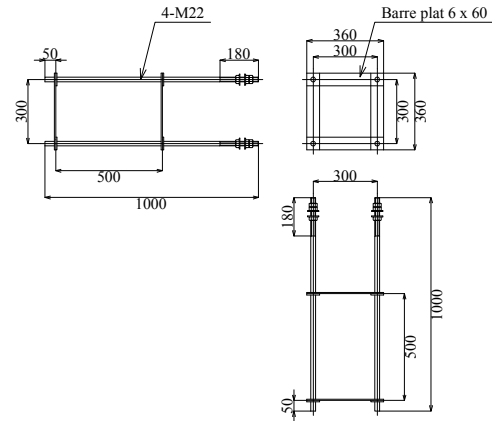


Plaque de Base ECHELLE A3 1:25

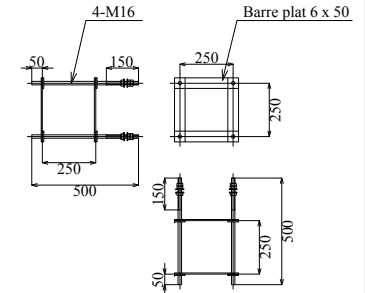


Boulon d'ancrage ECHELLE A3 1:25

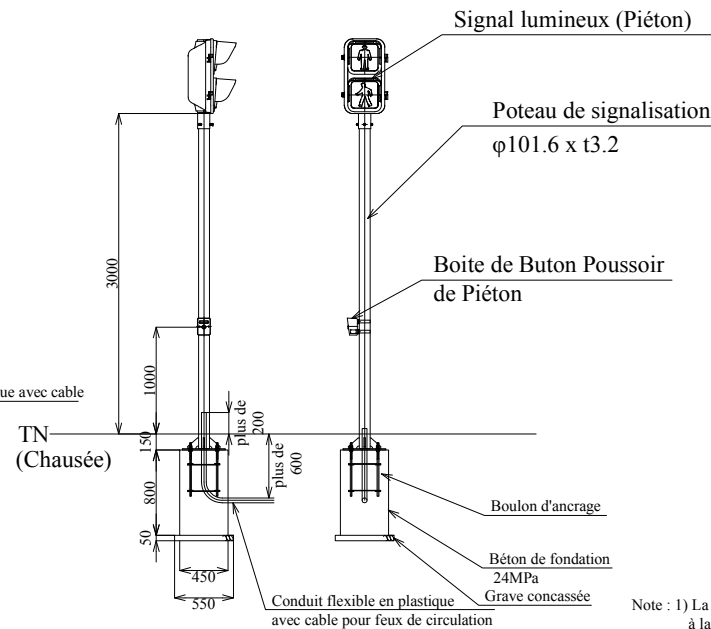
pour poteau de signalisation véhicule



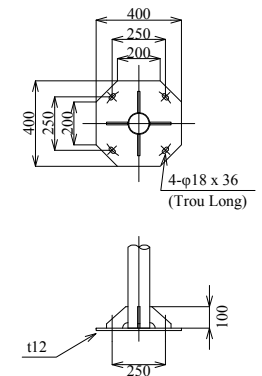
pour poteau de signalisation piéton



Poteau de feux de Piéton ECHELLE A3 1:50



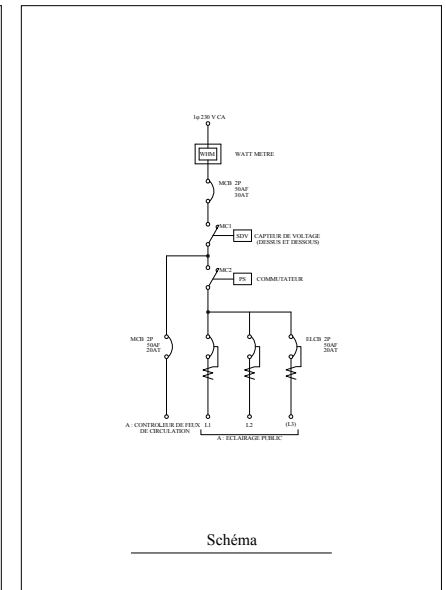
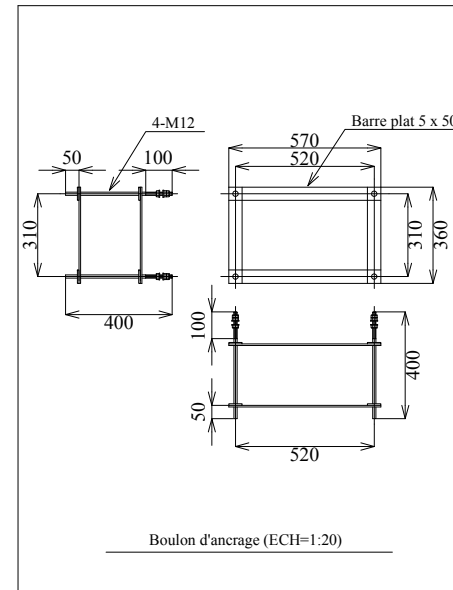
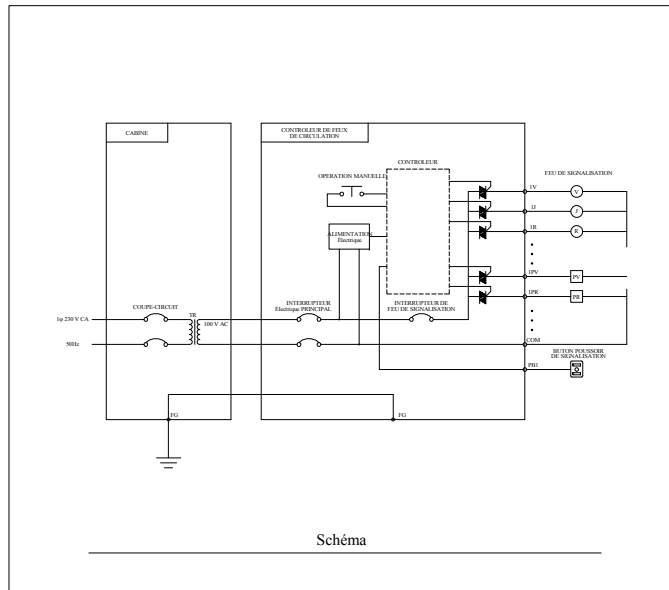
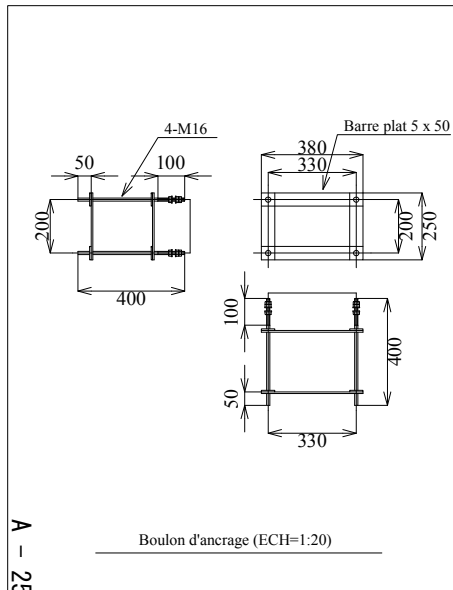
Plaque de Fondation ECHELLE A3 1:25



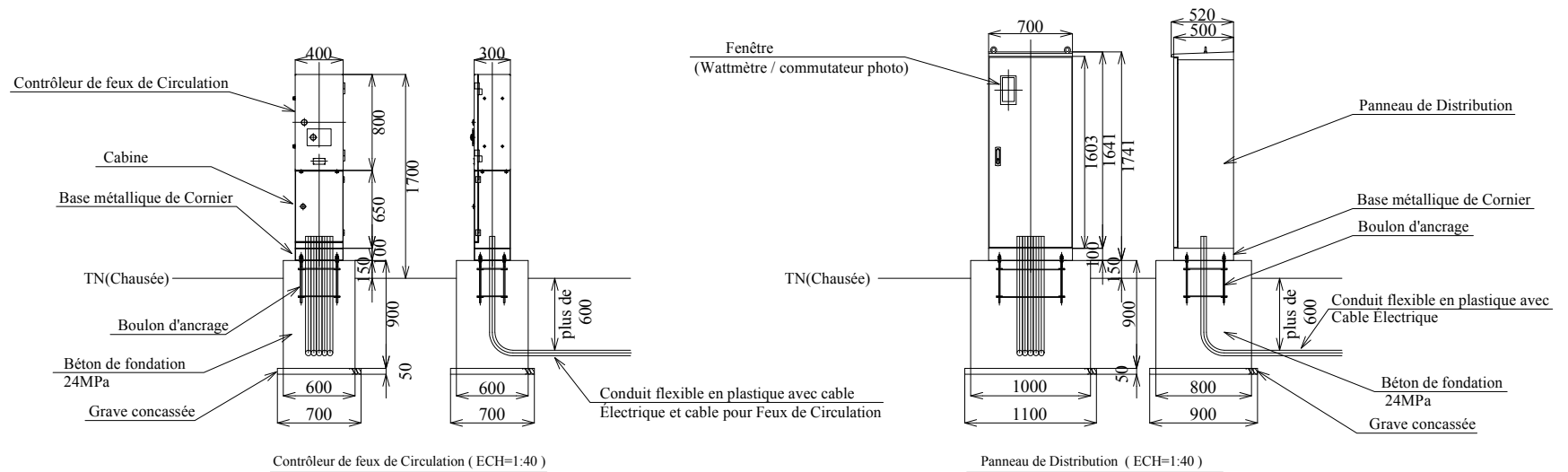
Note : 1) La résistance du béton (MPa) indique la valeur de la résistance à la compression sur éprouvette cylindrique.

ECLAIRAGE PUBLIC ET DETAILS DE FEUX DE CIRCULATION (3) ECHELLE A3 1:40

(CONTROLEUR DE FEUX DE CIRCULATION/PANNEAU DE DISTRIBUTION)



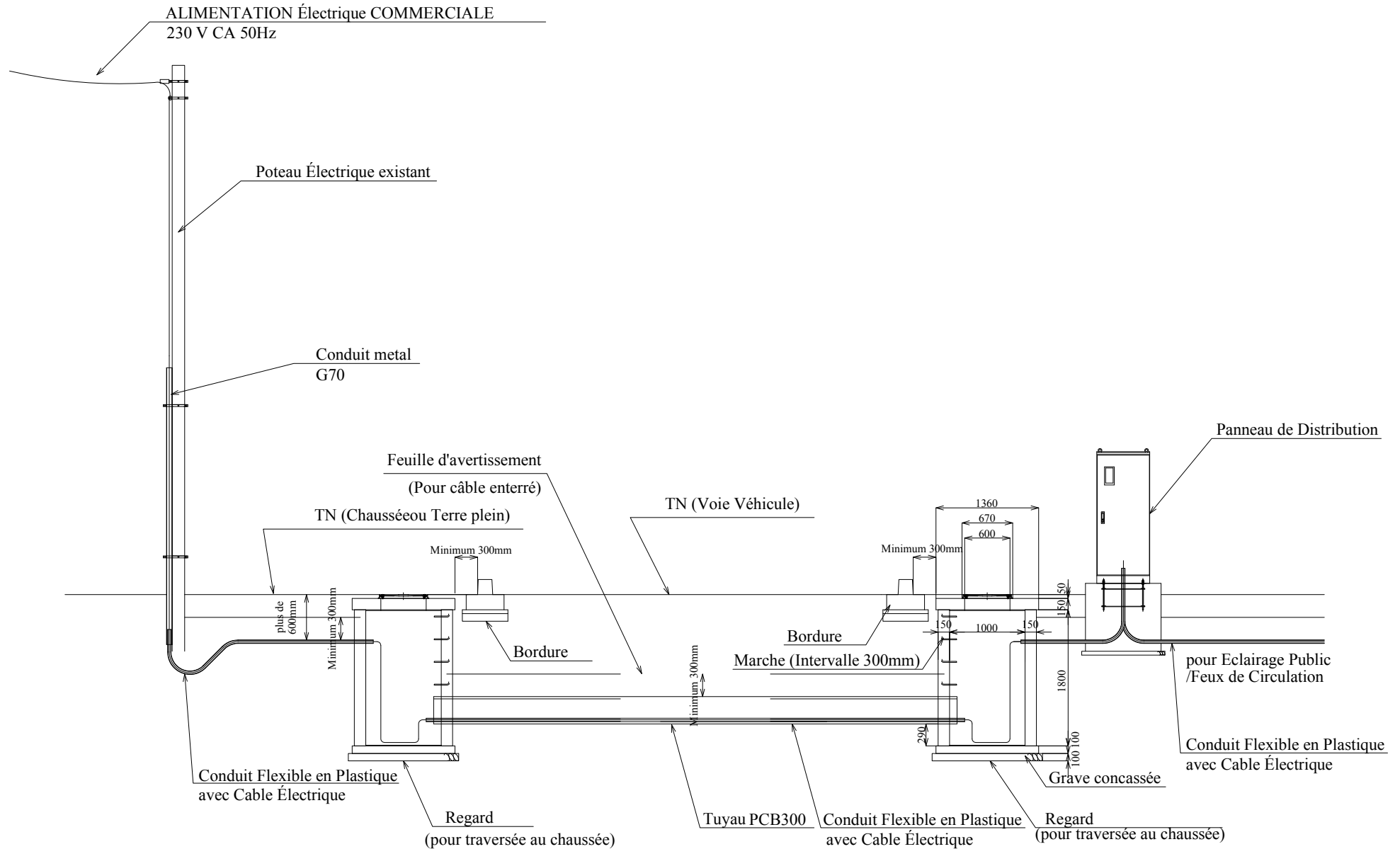
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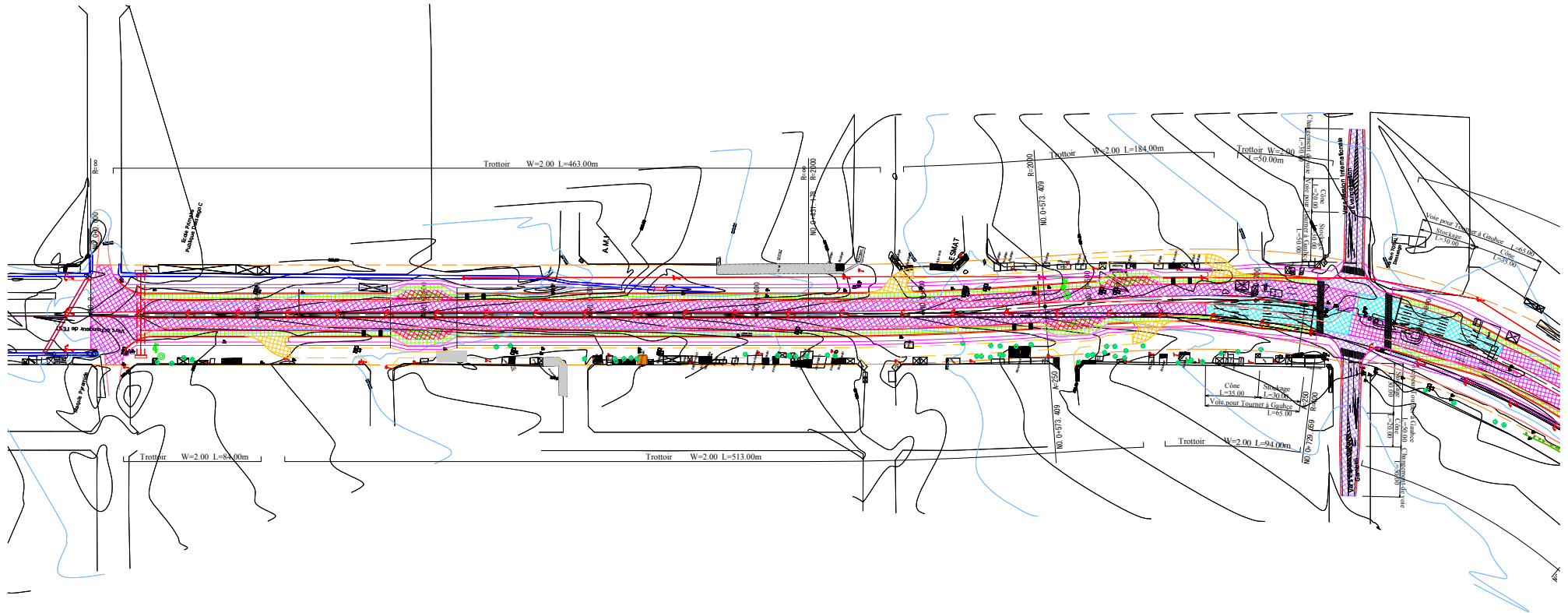
ECLAIRAGE PUBLIC ET DETAILS DE FEUX DE CIRCULATION (4) ECHELLE A3 1:50

(CABLE Électrique ET CONDUITS ENTERRES)

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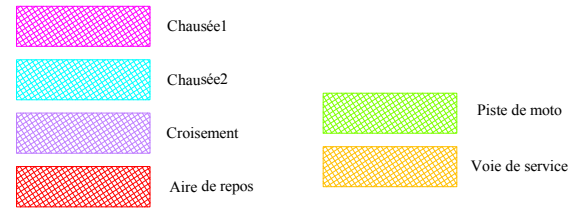
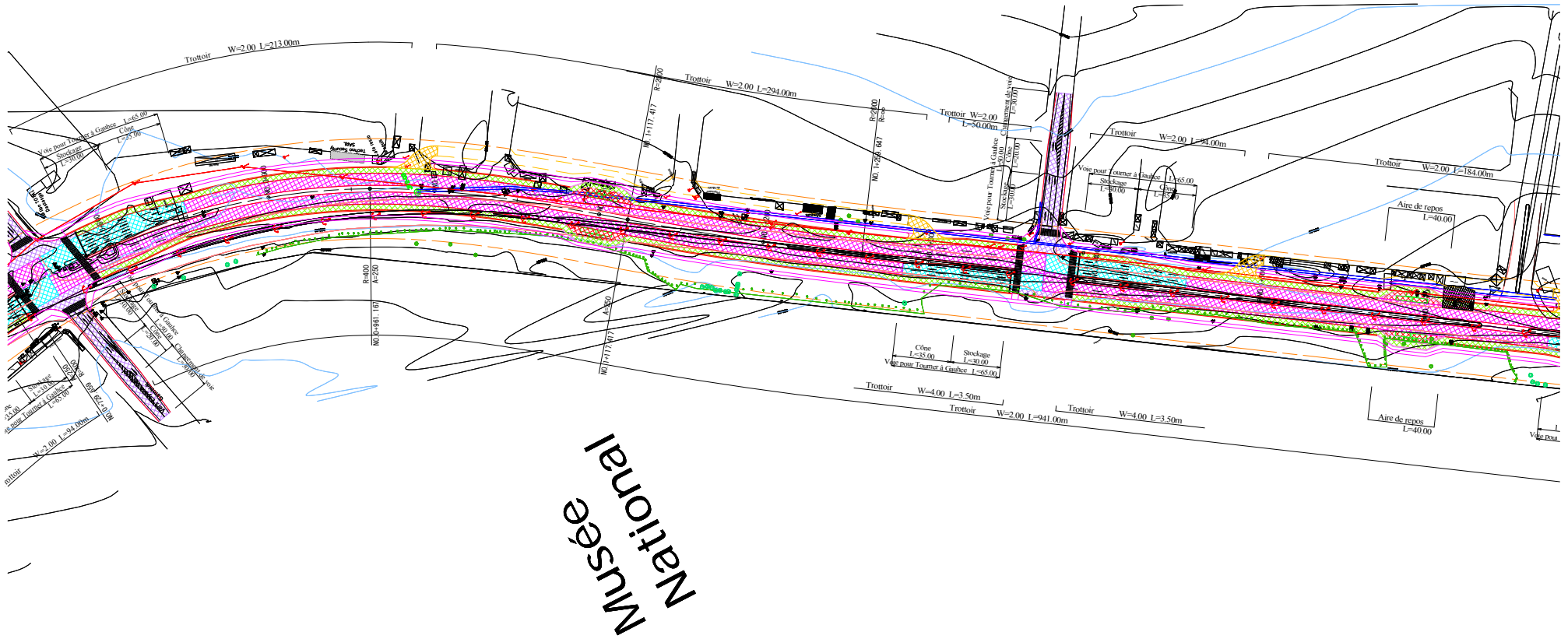


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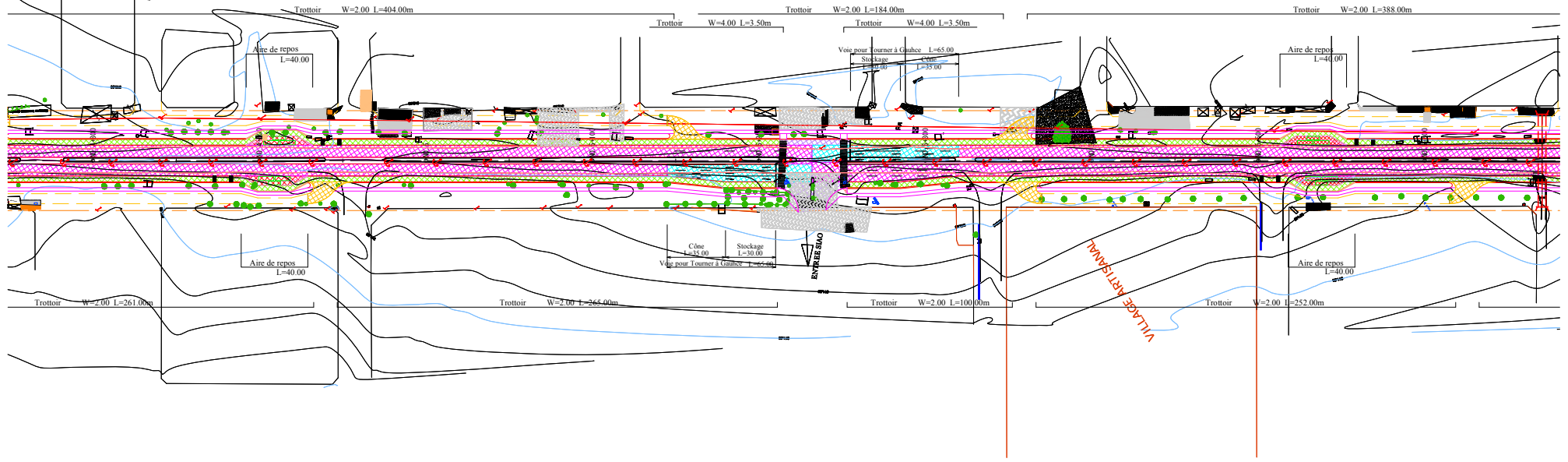
AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTERE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADÉ SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	ZONE DE REVETEMENTS (1) DE 0+ 0 A 0+800	ECHELLE	DATE	N°
				PREPARE PAR:				
VERIFIE PAR:				52				

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AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTERE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADE SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	ZONE DE REVETEMENTS (2) DE 0+800 A 1+600	ECHELLE	DATE	N°
				PREPARE PAR:				
VERIFIE PAR:								

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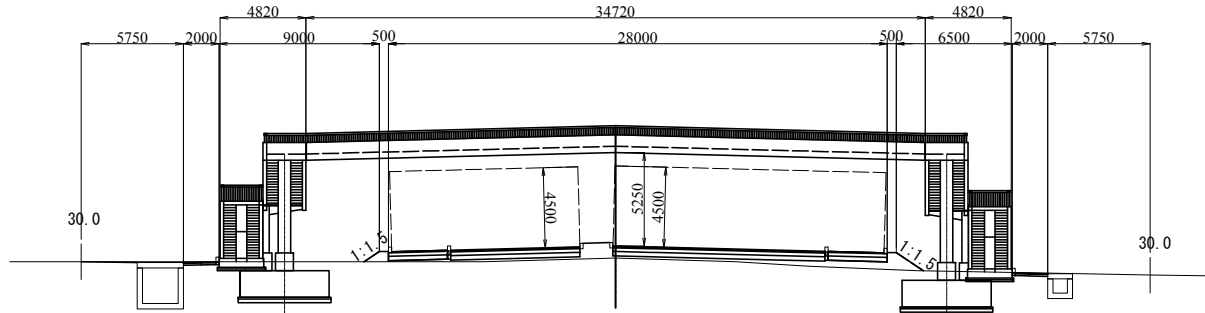


- Chaussée1
- Chaussée2
- Croisement
- Aire de repos
- Piste de moto
- Voie de service

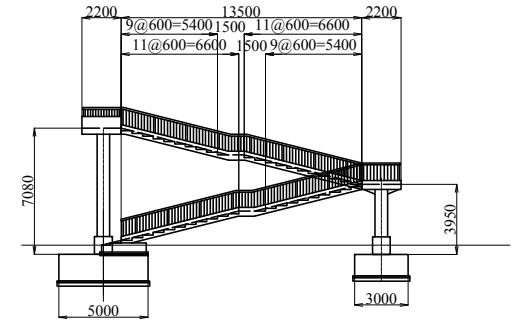
AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTERE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADÉ SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	ZONE DE REVETEMENTS (7) DE 4+800 A 5+600	ECHELLE	DATE	N°
				PREPARE PAR:				
				VERIFIE PAR:				
								58

PIETON

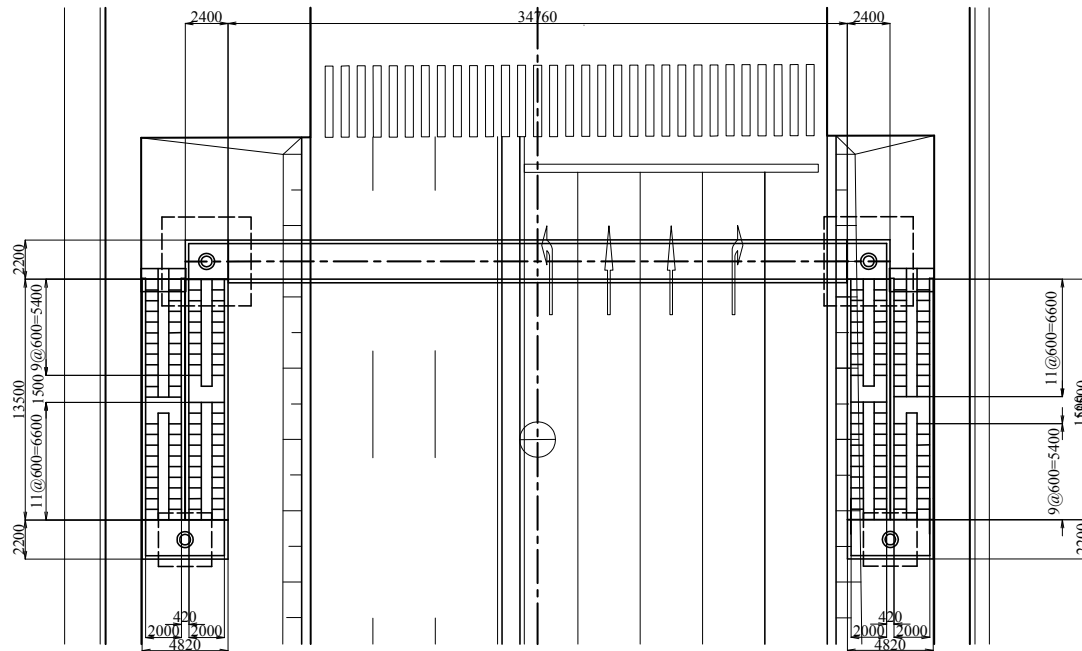
ECHELLE 1:150



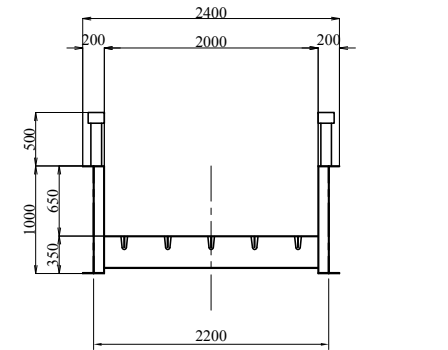
VUE EN ELEVATION



COUPE LONGITUDINALE



VUE EN PLAN



COUPE TRANSVERSAL ECHELLE 1:25

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AGENCE JAPONAISE DE COOPERATION INTERNATIONALE	MINISTERE DES INFRASTRUCTURES BURKINA FASO	LE PROJET DE RENFORCEMENT DE LA ROCADE SUD-EST DU BOULEVARD DES TANSOBA A OUAGADOUGOU	INGEROSEC CORPORATION, KATAHIRA & ENGINEERS INTERNATIONAL JAPON	DATE:	PIETON	ECHELLE	DATE	N°
				PREPARE PAR:				61
				VERIFIE PAR:				