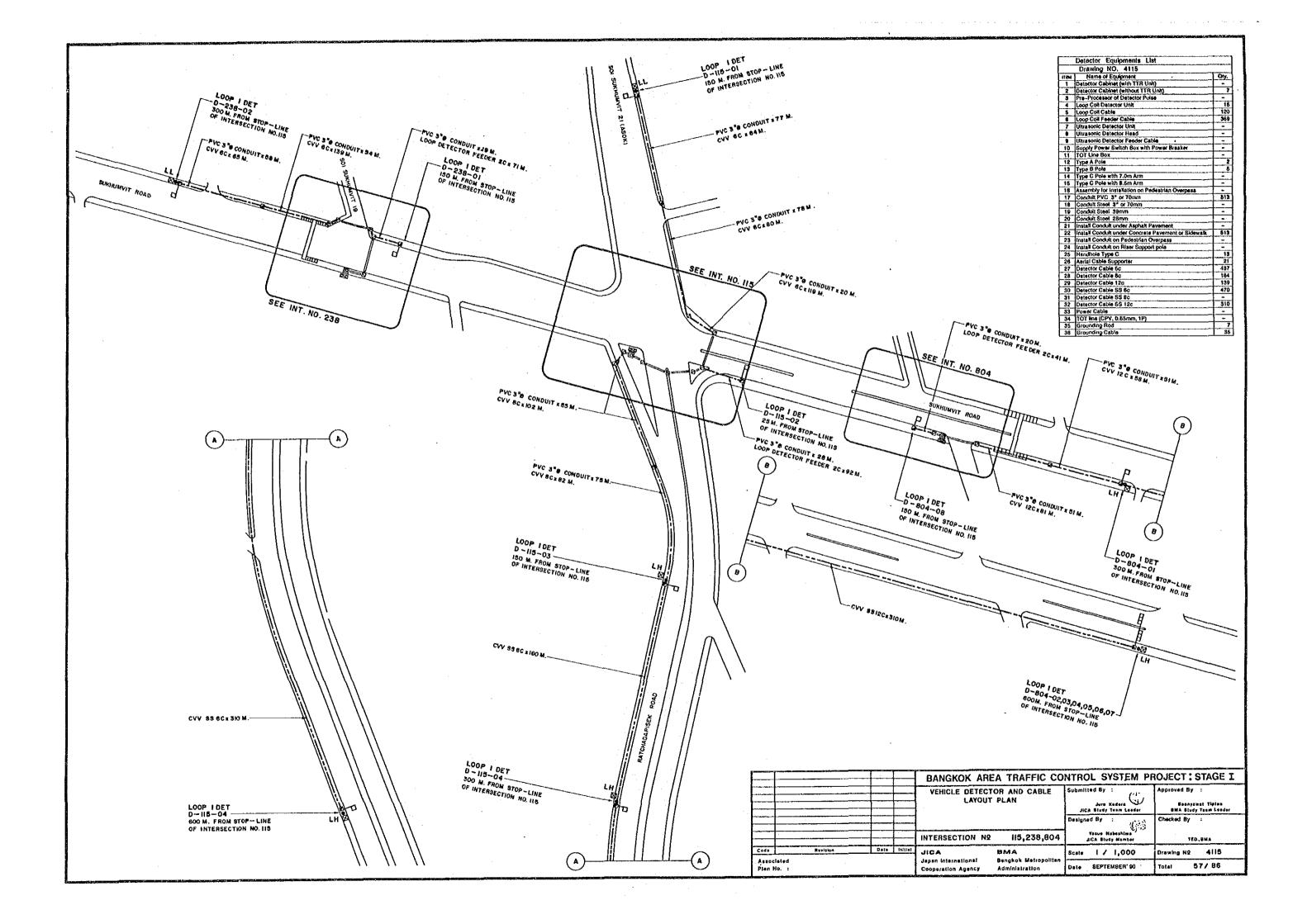
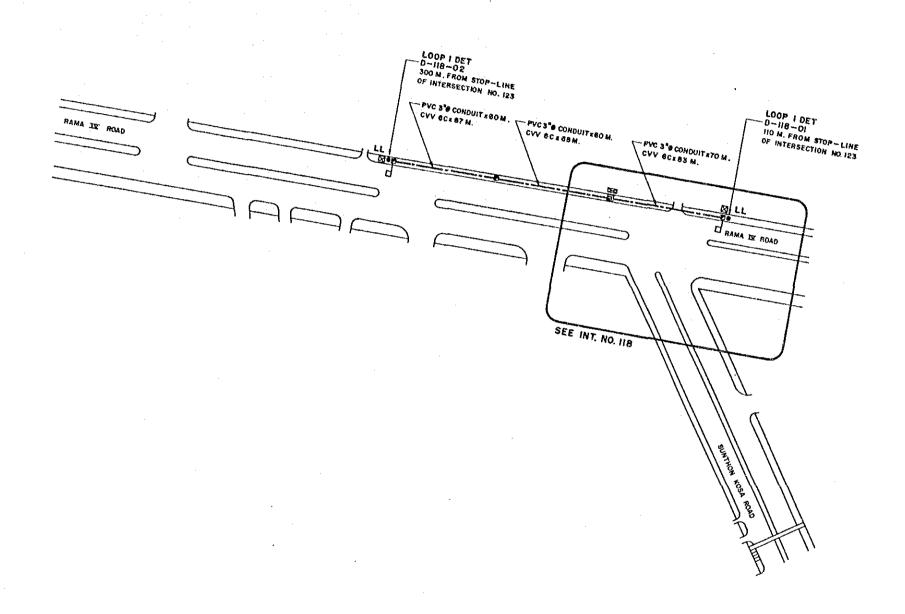


	Detector Equipments List	
	Drawing NO. 4112	
ITEM	Name of Equipment	Oty.
1	Detector Cabinet (with TTR Unit)	1 =
2	Detector Cabinet (without TTR Unit)	1
3	Pre-Processor of Detector Pulse	-
4	Loop Coll Detector Unit	-
5	Loop Coll Cable	-
8	Loop Coll Feeder Cable	1 -
7	Ultrasonic Detector Unit	1
8	Ultrasonic Detector Head	
9	Ultrasonic Detector Feeder Cable	1
10	Supply Power Switch Box with Power Breaker	-
11	TOT Line Box	-
12	Type A Pole	1
13	Type 8 Pole	1-
14	Type C Pole with 7.0m Arm	1
15	Type C Pole with 8.5m Arm	-
16	Assembly for Installation on Pedestrian Overpass	1 -
17	Condult PVC 3° or 70mm	80
18	Conduit Steel 3" or 70mm	-
18	Conduit Steel 39mm	1 -
20	Conduit Steel 28mm	T
21	Install Conduit under Asphalt Pavement	-
22	Install Conduit under Concrete Pavement or Sidewalk	80
23	Install Conduit on Pedestrian Overpass	-
24	Install Conduit on Riser Support pole	-
25	Handhole Type C	
26	Aerial Cable Supporter] -
27	Detector Cable 6c	9:
28	Detector Cable Sc	LF
29	Detector Cable 12c	-
30	Detector Cable SS 6c	T -
31	Detector Cable SS Sc	Γ-
32	Detector Cable SS 12c	1 -
33	Power Cable	Т-
34	TOT line (CPV, 0.65mm, 1P)	Τ-
35	Grounding Rod	1
36	Grounding Cable	1 1

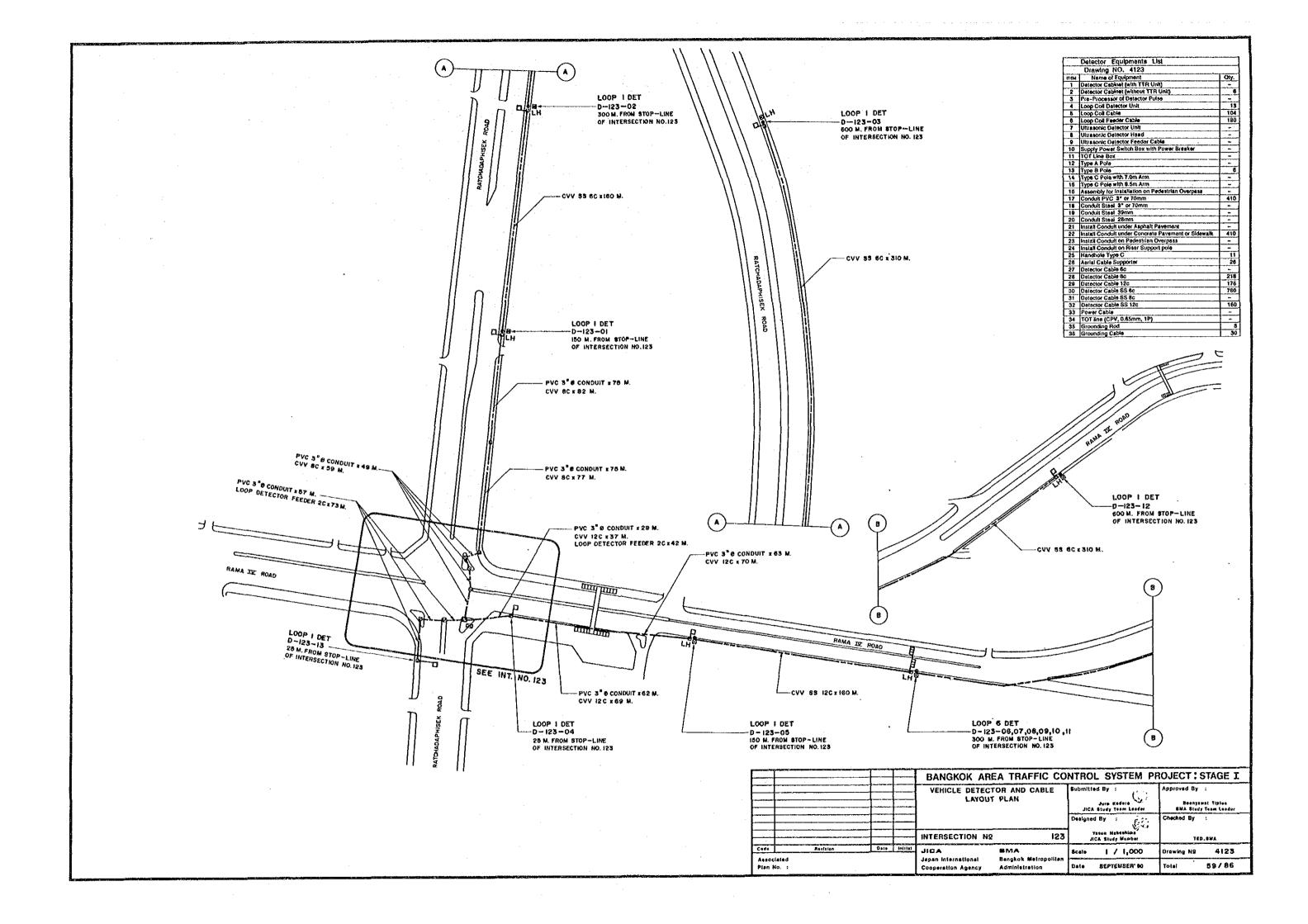
				BANGKOK AREA TRAFFIC CONTROL SYSTEM PROJECT: STAGE I						
				VEHICLE DETECT LAYOUT		Submitted By : Jere Kodere JICA Study Team Leader	Approved By : Bookyswal Tiplus BMA Study Team teader			
						Deelgned By : 1214	Checked By :			
				INTERSECTION NO	112	Yatus Nebeshime JICA Bludy Mambar	TED., BMA			
Code	Revision	Dale	Initial	JICA	EMA	Scale / 1,000	Drawing H9 4112			
Assoc Plan I				Japan International Cooperation Agency	Bangkok Matropolitan Administration	Date SEPTEMSER' 90	Total 56/86			

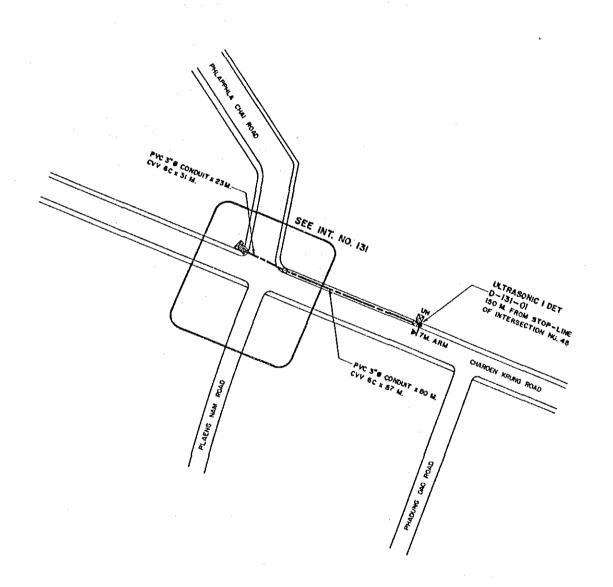




	Detector Equipments List	
	Drawing NO. 4118	1 4.
ITEM		Oty.
1	Detector Cabinet (with TTR Unit)	ļ
2	Detector Cabinet (without TTR Unit)	
3	Pre-Processor of Detector Pulse	! -
1	Loop Coll Detector Unit	نيسا
. 6	Loop Coll Cable	11
8	Loop Coll Feeder Cable	
7	Ultrasonic Detector Unit	
	Ultrasonic Detector Head	<u> </u>
g g	Ultrasonic Delector Feeder Cable	<u> </u>
10	Supply Power Switch Box with Power Branker	J
11	TOT Une Box	-
	Type A Pole	
1\$	Тура В Роје	<u>L</u>
14	Type C Pole with 7.0m Arm	L÷.
15	Type C Pole with 8.5m Arm	
18	Assembly for Installation on Pedestrian Overpass	<u> -</u>
17	Condult PVC 3" or 70mm	194
18	Conduit Steel 3" or 70mm	-
19	Conduit Steel 39mm	I -
	Condult Steel 28mm	
21	Install Conduit under Asphalt Pavement	•
55	Install Conduit under Concrete Pavement or Sidewalk	19
23	Install Conduit on Pedestrian Overpass	
24	Install Conduit on Riser Support pole	J
25	Handhole Type C	
26	Aerial Cable Supporter	-
27	Detector Cable 6c	21
28	Detector Cable &c	<u> </u>
29	Detector Cable 12c	Ι-
30	Detector Cable SS &c	-
31	Detector Cable SS &c	-
32	Detector Cable SS 12c	-
33	Power Cable	1 -
	TOT line (CPV, 0.65mm, 1P)	T-
35	Grounding Rod	
38	Grounding Cable	1 1

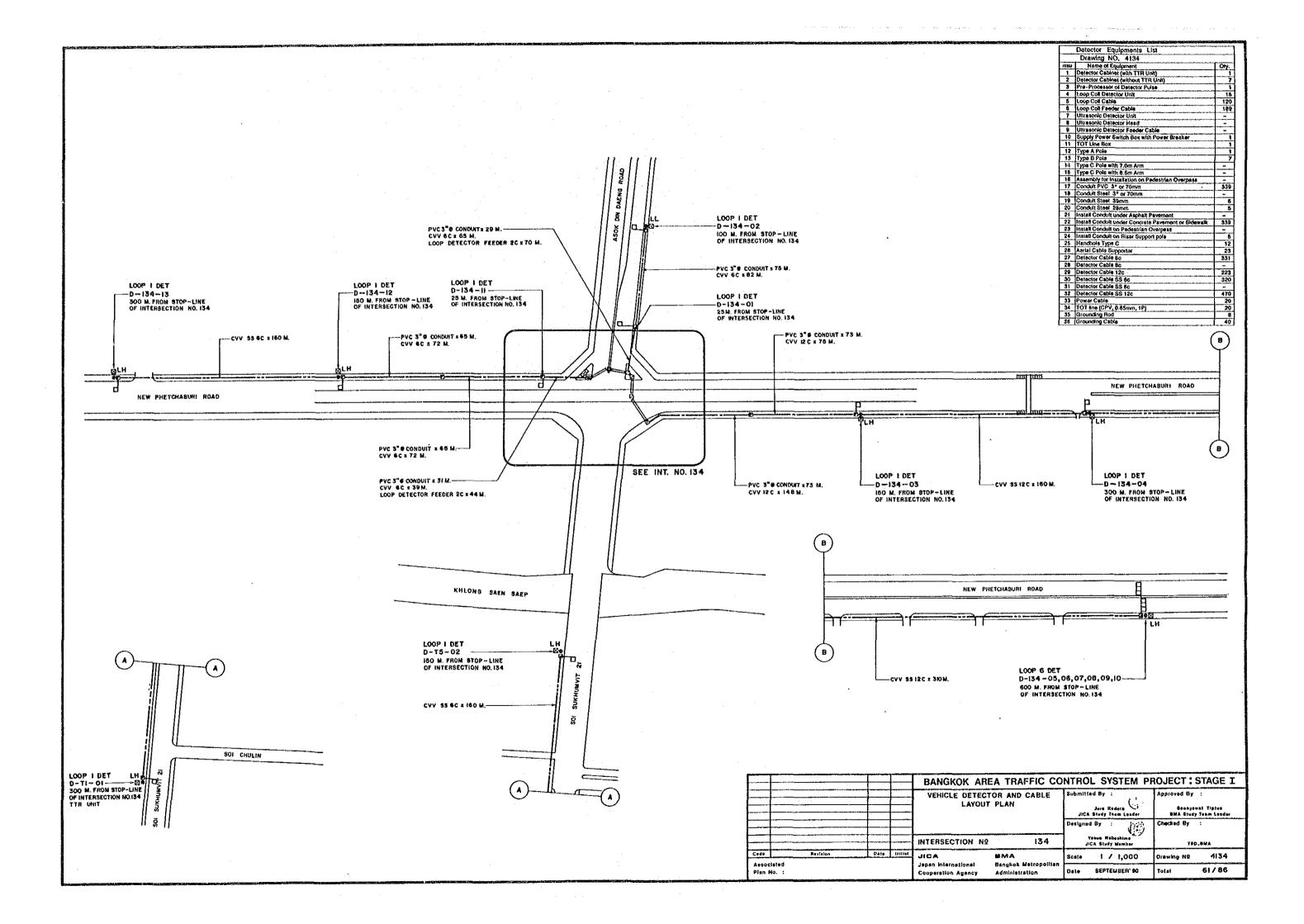
				BANGKOK AREA	TRAFFIC CO	NTROL SYSTEM PR	OJECT: STAGE I
				VEHICLE DETECTOR A LAYOUT PLA	MIND ONDER	Submitted By : Jure Redera . L JICA Rindy Yearn Leader	Approvad By : Sconjewal Tiplus SWA Study Tasm Lander
		-				Designed By :	Checked By :
				INTERSECTION NO	118	Yesus Makeshima JICA Study Member	TED.BHA
Code	Revision	Date	Intiint	JICA BM		Scale / 1,000	Drawing NO 4118
Associated Plan No. :			Japan International Bangkok Matropolitan Cooperation Agency Administration		Date BEPTEMBER' 90	Tolal 58 / 86	

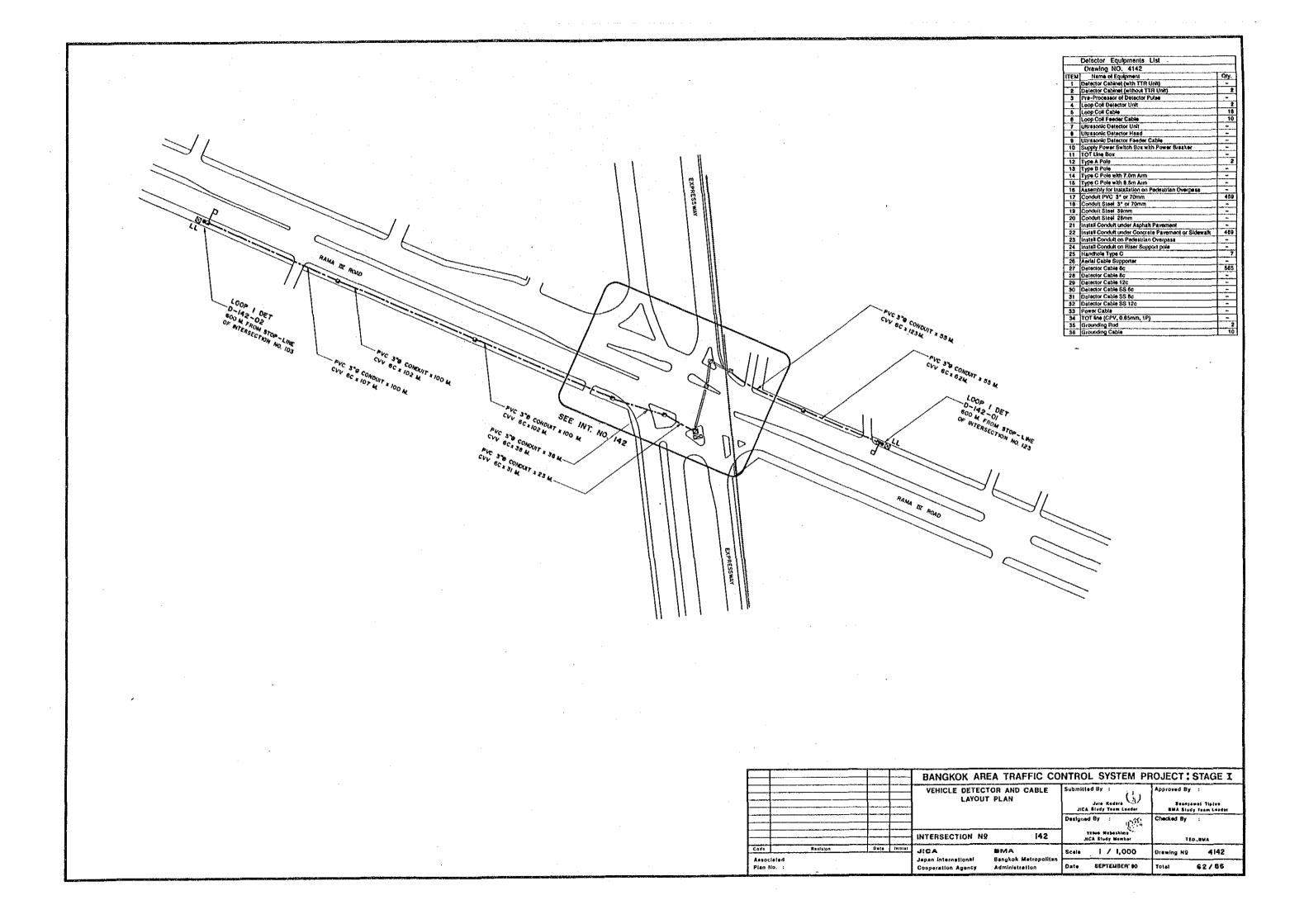


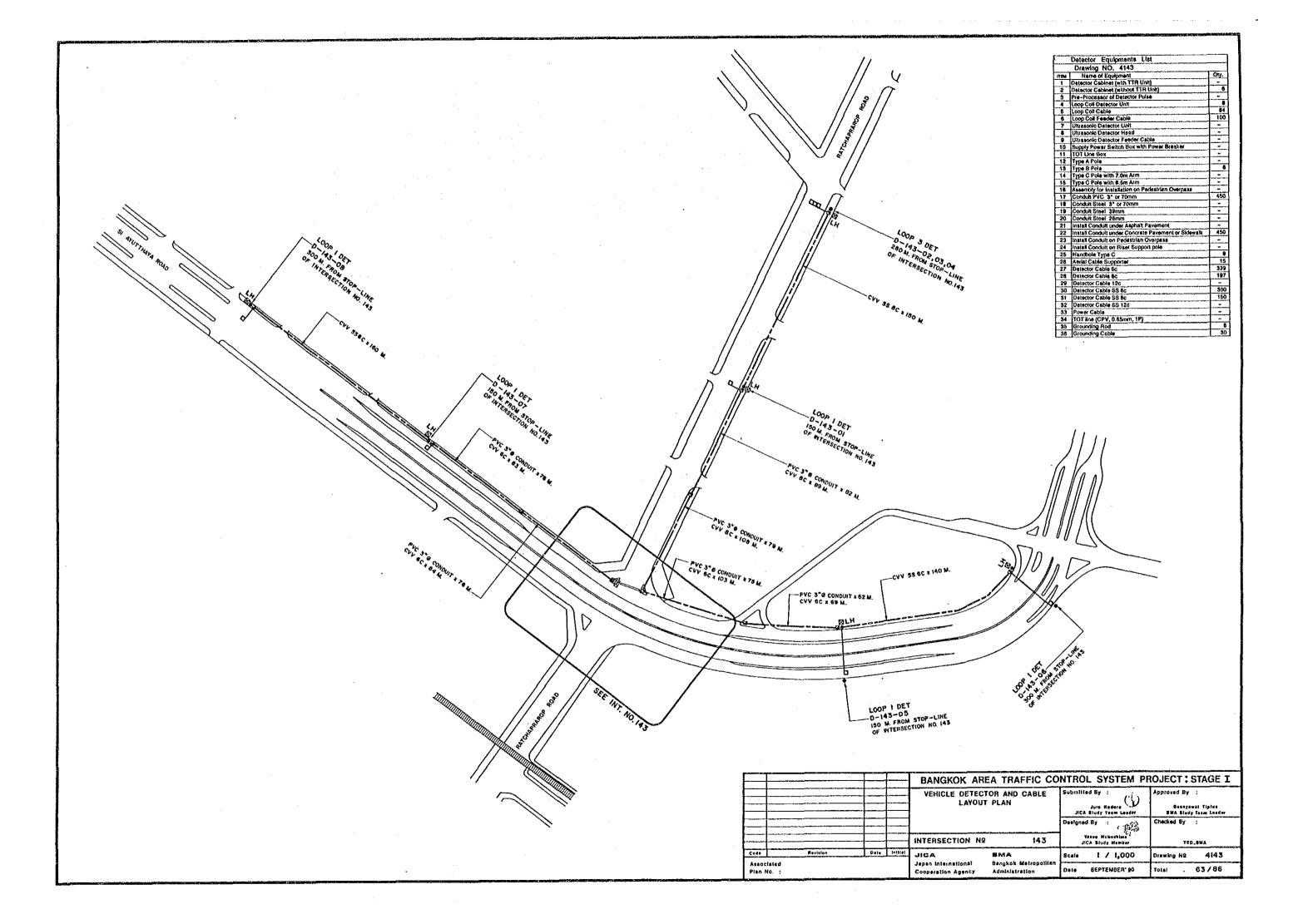


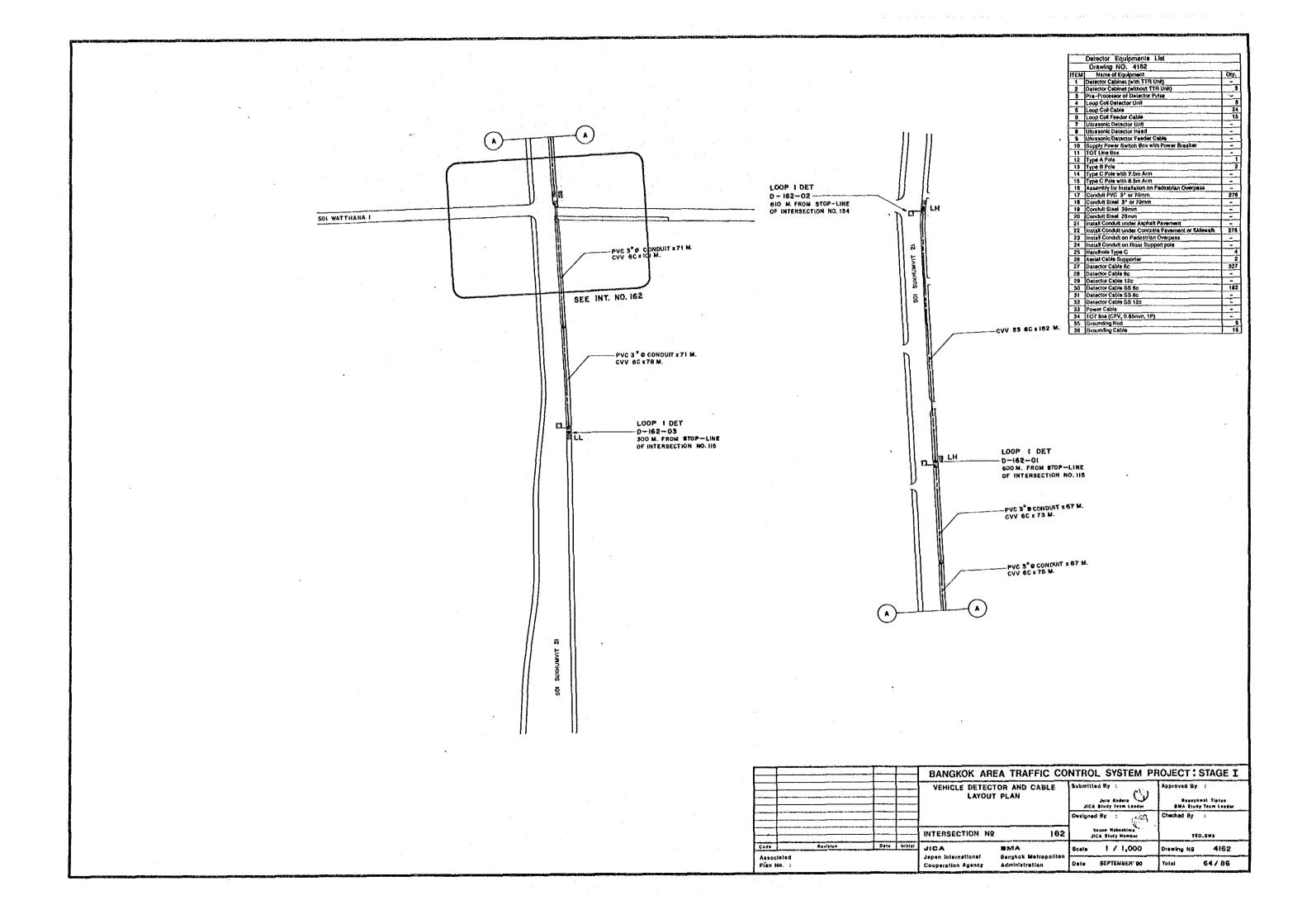
	Detector Equipments List	
	Drawing NO. 4131	
ITEM		Oty
1	Datector Cabinel (with TTR Unit)	٠
2	Detector Cabinet (without TTR Unit)	ļ
3	Pre-Processor of Detector Pulse	-
4	Loop Coil Detector Unit	1 -
5	Loop Coll Cable	
6	Loop Coll Feeder Cable	L -
7	Ultrasonic Datector Unit	I
8	Ultrasonic Delector Head	
9	Ultrasonic Detector Feeder Cable	Γ
10	Supply Power Switch Box with Power Breaker	-
11	TOT Line Box	-
12	Type A Pole	-
13	Type B Pole	T -
14	Type C Pole with 7.0m Arm	1
15	Type C Pole with 9.5m Arm	-
16	Assembly for Installation on Pedestrian Overpass	1
17	Conduit PVC 3" or 70mm	10
18	Condult Steel 3° or 70mm	-
19	Condult Steel 39mm	-
20	Condult Steel 28mm	_
21	Install Conduit under Asphalt Pavement	1
22	Install Conduit under Concrete Pavement or Sidewalk	
23	Install Conduit on Pedestrian Overpasa	-
24	Install Conduit on Riser Support pole	_
25	Handhole Type C	
28	Aerial Cable Supporter	
27	Detector Cable &c	12
28	Detector Cable Sc	-
29	Detector Cable 12c	-
30	Detector Cable SS 5c	-
31	Detector Cable SS &c	-
92	Detector Cable SS 12c	1-
33	Power Cable	T -
34	TOT line (CPV, 0.65mm, 1P)	1 -
35	Grounding Rod	
36	Grounding Cable	1

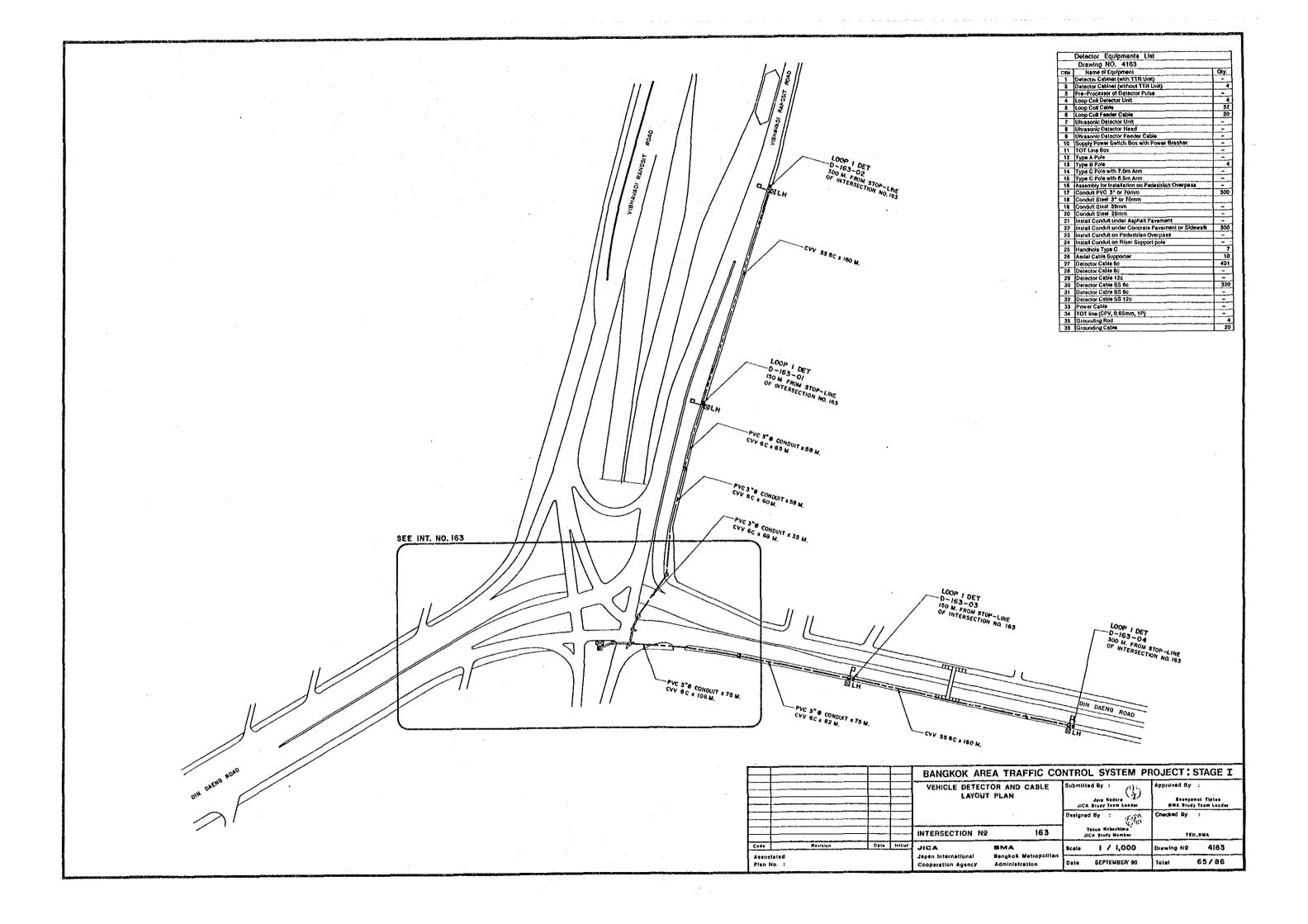
				BANGKOK ARE	A TRAFFIC CO	NTROL S	SYSTEM PI	ROJECT:	STAGE I
				VEHICLE DETECT			f : Koders		wat Tiptus y Jeam Leadar
				INTERSECTION Nº	131		Nabeshiere Nabeshiere	Checked By	; D. SHA
Code	Revision	Date	falliat	JICA	&MA		/ 1,000	Drawing NO	4131
ksocialed Yan No. :			Japan International Cooperation Agency	Dele SE	STEMBER, 80	Total	60/86		

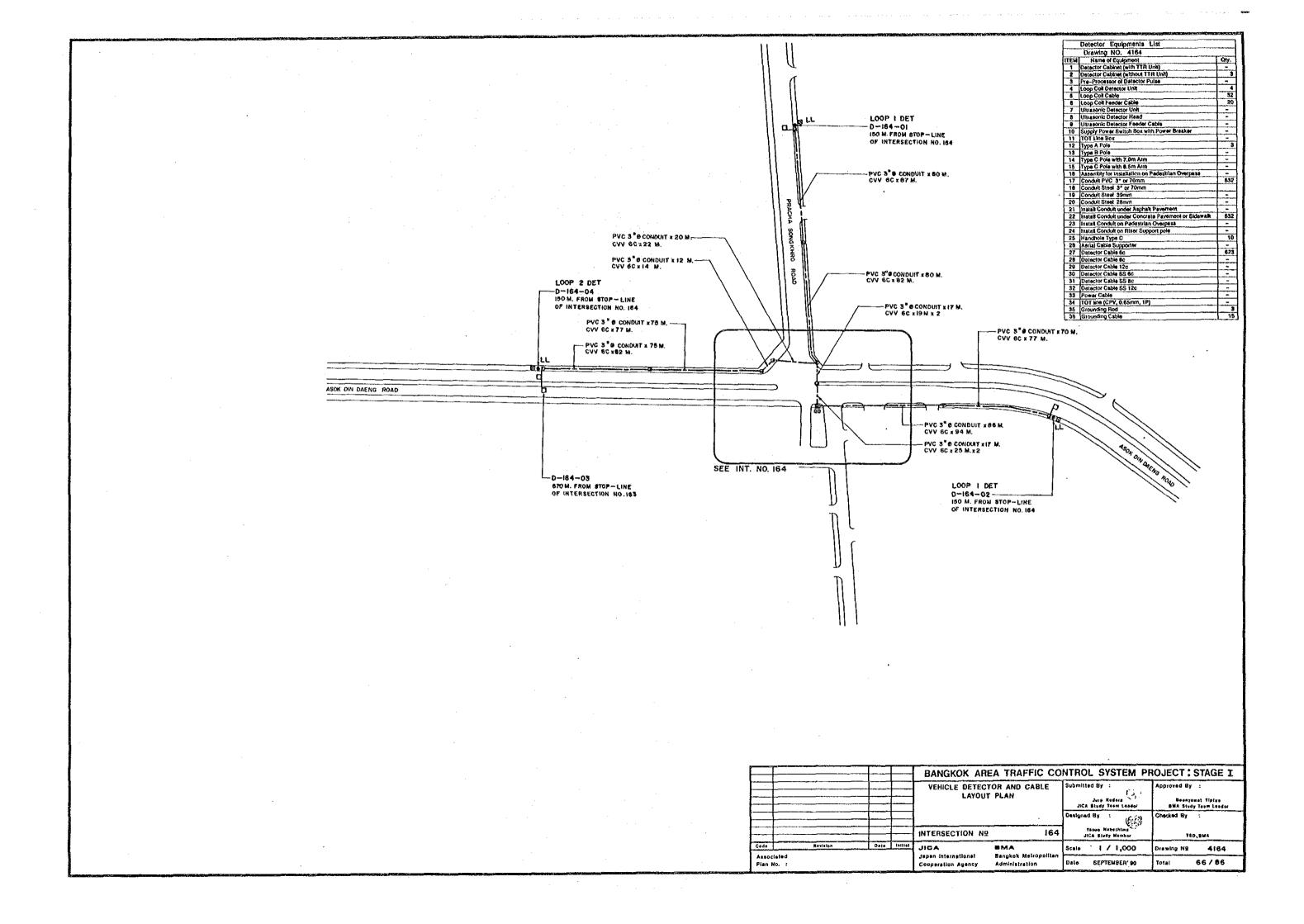


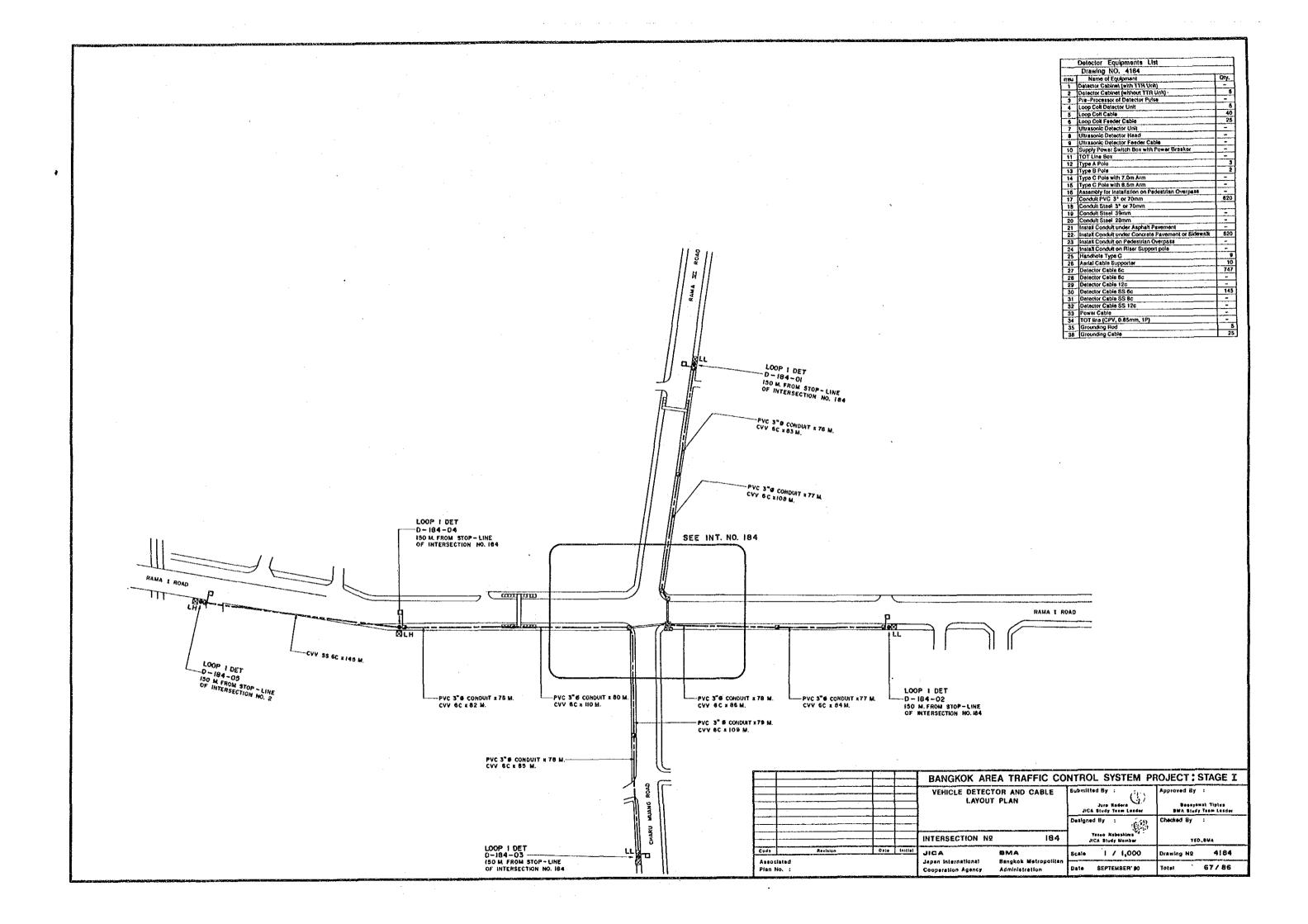


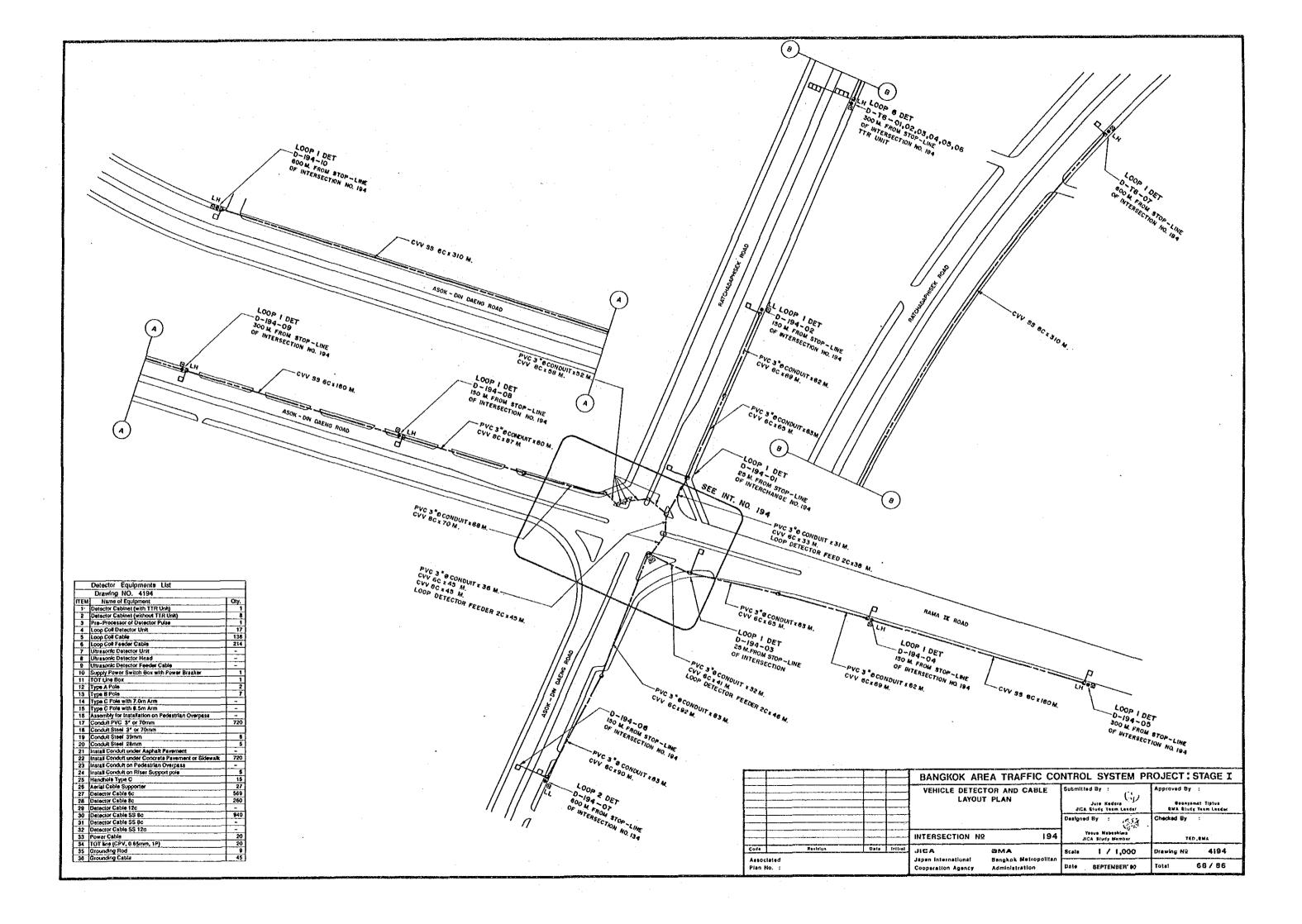


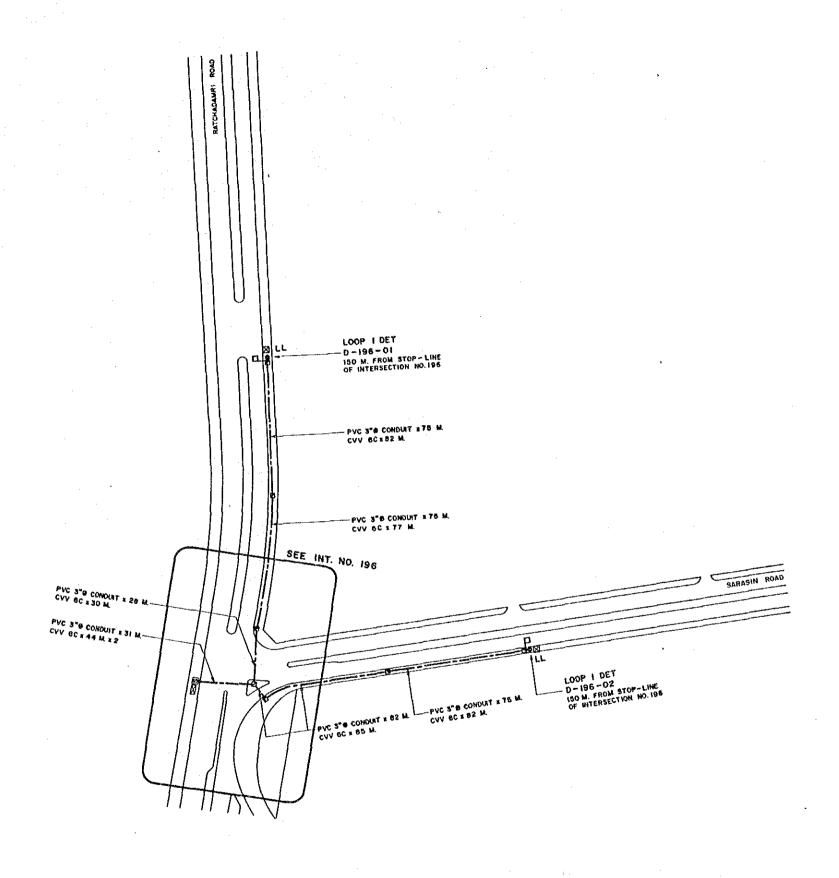






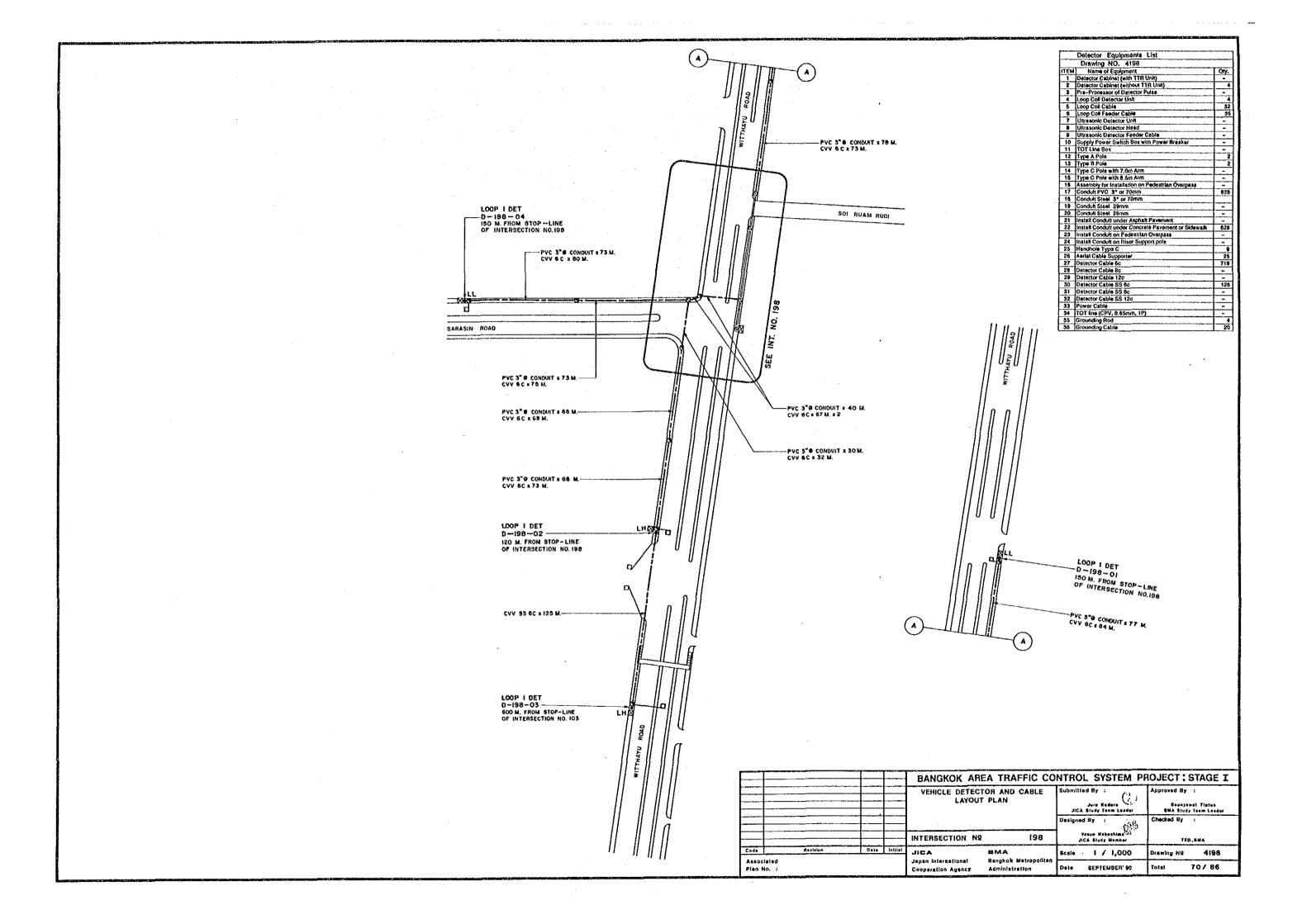


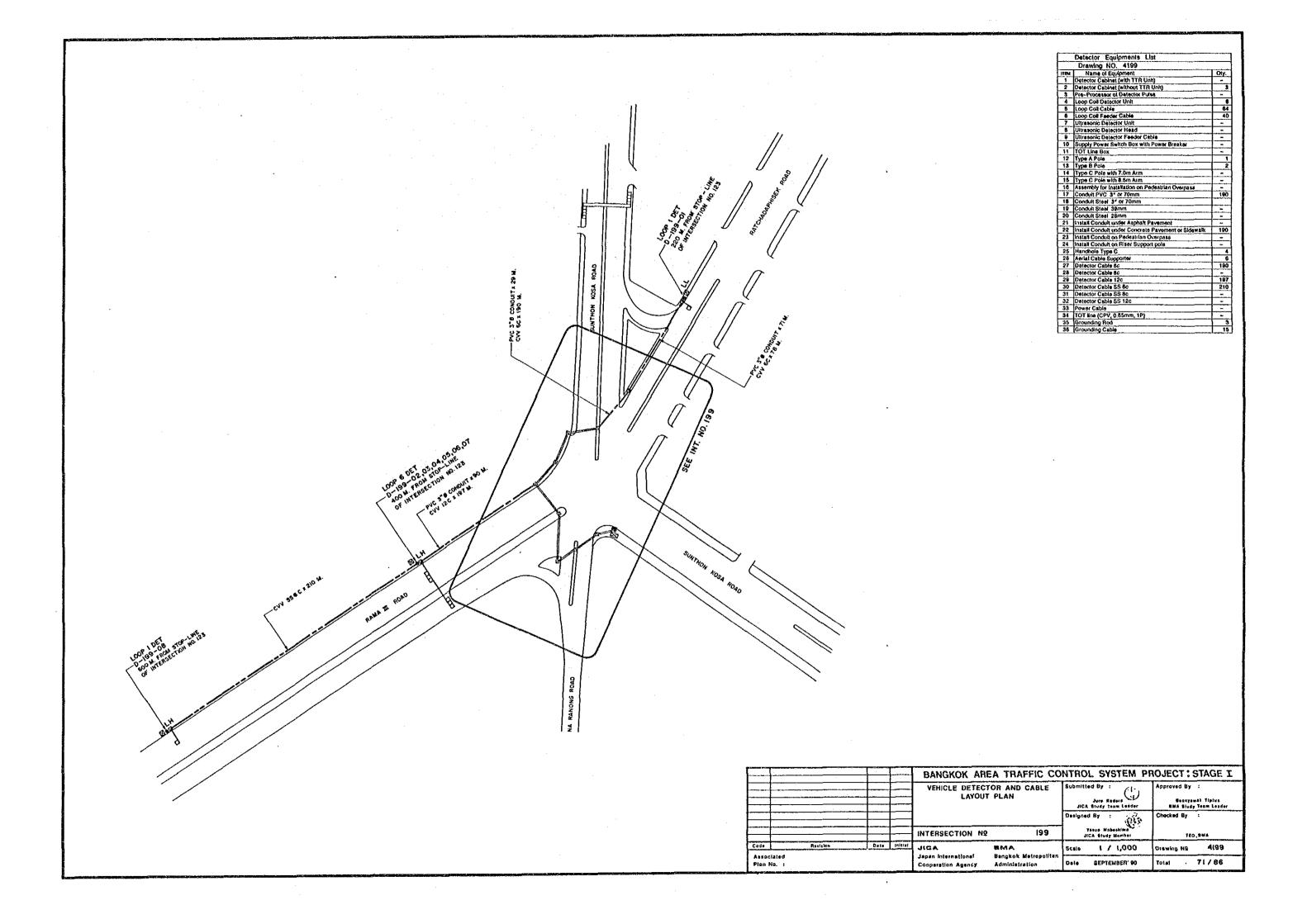


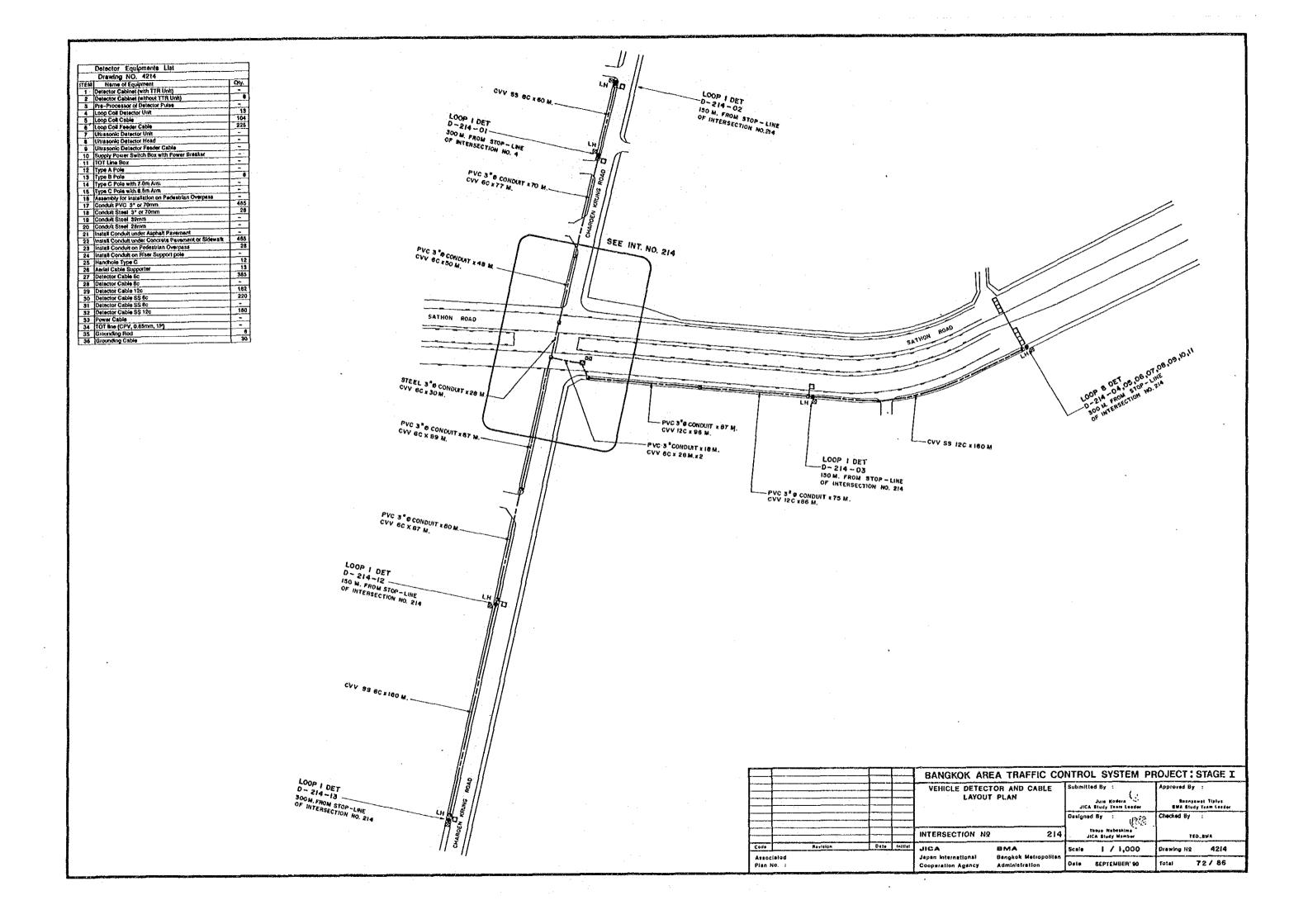


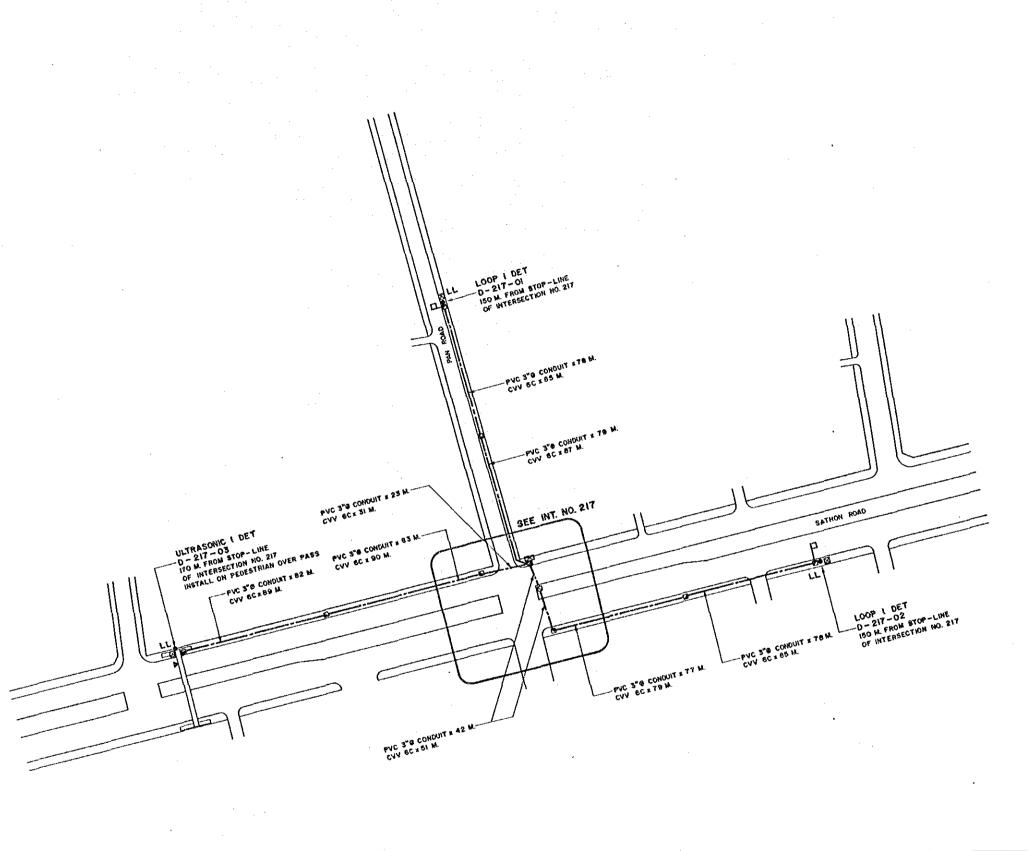
	Detector Equipments List	
	Drawing NO. 4198	1 25
ITM	Name of Equipment	City.
1	Detector Cabinat (with TTR Unit)	
2_	Detector Cabinet (without TTR Unit)	
•	Pre-Processor of Detector Pulse	<u> </u>
4_	Loop Coll Detector Unit	L_4
. 6	Loop Golf Cable	
. 6	Loop Coll Feeder Cable	T 10
1	Ultrasonic Defector Unit	<u> </u>
8	Ultrasonic Detector Head	<u> </u>
9	Ultrasonic Detector Feeder Cable	1 =
10	Supply Power Switch Box with Power Breaker	<u> </u>
11	TOT Line Box	-
	Type A Pole	
13	Type B Pole	-
14	Type C Pole with 7.0m Arm	T
15	Type C Pole with 8.5m Arm	
18	Assembly for Installation on Pedestrian Overpasa	1 -
17	Conduit PVC 3" or 70mm	384
18	Conduit Steel 3° or 70mm	
19	Conduit Steel 39mm	T-
20	Conduit Steel 29mm	-
21	Install Conduit under Asphalt Pavement	-
22	Install Conduit under Concrete Pavement or Sidewalk	361
23	Install Condult on Pedostrian Overpass	
24	Install Conduit on Riser Support pole	-
25	Handhole Type C	1
26	Aerial Cable Supporter	- -
27	Detector Cable Sc	444
28	Detector Cable &c	-
29	Detector Cable 12c	7-
30	Detector Cable 6S 6c	1.
31	Detector Cable SS Sc	-
32	Detector Cable SS 12c	-
33	Power Cable	1
31	TOT line (CPV, 0.85mm, 1P)	1-
35	Grounding Rod	† <u>-</u>
36	Grounding Cable	10

		-		BANGKOK AREA TRAFFIC CONTROL SYSTEM PROJECT; STAGE I					
				VEHICLE DETECT LAYOUT		Submitted By : Jure Refera JICA Study Yearn Leader	Approved By : Boanyanat Tiplus BMA Study Team Leader		
				·		Designed By :	Checked By :		
				INTERSECTION NO 196		Yasun Kabeshima JICA Bludy Komber	TEO,ENA		
Code	Revision	Data	Intiles	JICA	BMA	Scale 1 / 1,000	Drawing NE 4196		
Plan I	Associated Plan No. :			Japan International Bengkok Malropolitan Cooperation Agency Administration		Date SEPTEMBER' 90	Total 69/86		



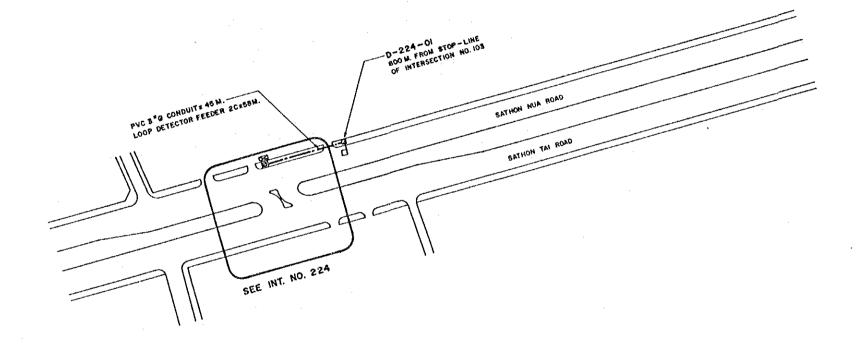






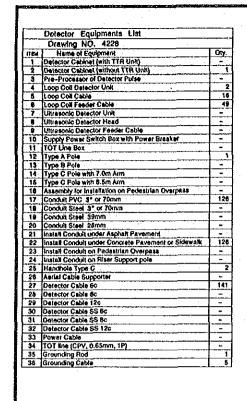
	Detector Equipments List	
	Drawing NO. 4217	
TEN	Name of Equipment	Qty.
1	Detector Cabinet (with TTR Unit)	ا
2	Detector Cabinet (without TTR Unit)	
3	Pre-Processor of Detector Pulse	-
4	Loop Coll Detector Unit	1
5	Loop Coll Cable	10
4	Loop Coll Feedor Cable	10
7	Ultrasonic Detector Unit	
6	Ultrasonic Detector Head	l!
. 9	Ultrasonic Detector Feeder Cable	1
10	Supply Power Switch Box with Power Breaker	-
11	TOT Une Box	T -
15	Type A Pole	
13	Type B Pole	~
14	Type C Pole with 7.0m Arm	_
15	Type C Pole with 8.5m Arm	-
16	Assembly for Installation on Pedestrian Overpass	j i
17	Conduit PVC 3' or Yorks	544
18	Conduit Steel 3° or 70mm	1
19	Conduit Steel 39mm	-
20	Conduit Steet 28mm	20
21	Install Condult under Asphalt Payement	-
22	Install Conduit under Concrete Pavement or Sidewalk	544
23	Install Conduit on Pedestrian Overpass	20
24	Install Conduit on Riser Support pole	Ē,
25	Handhole Type C	7
26	Aerial Cable Supporter	-
27	Detector Cable Sc	597
28	Detector Cable Sc	-
29	Detector Cable 12c	-
30	Detector Cable SS 5c	-
31	Detector Cable SS 8c	- -
32	Detector Cable SS 12c	
33	Power Cable	-
34	TOT line (CPV, 0.65mm, 1P)	1-
35	Grounding Rod	
36	Grounding Cable	11

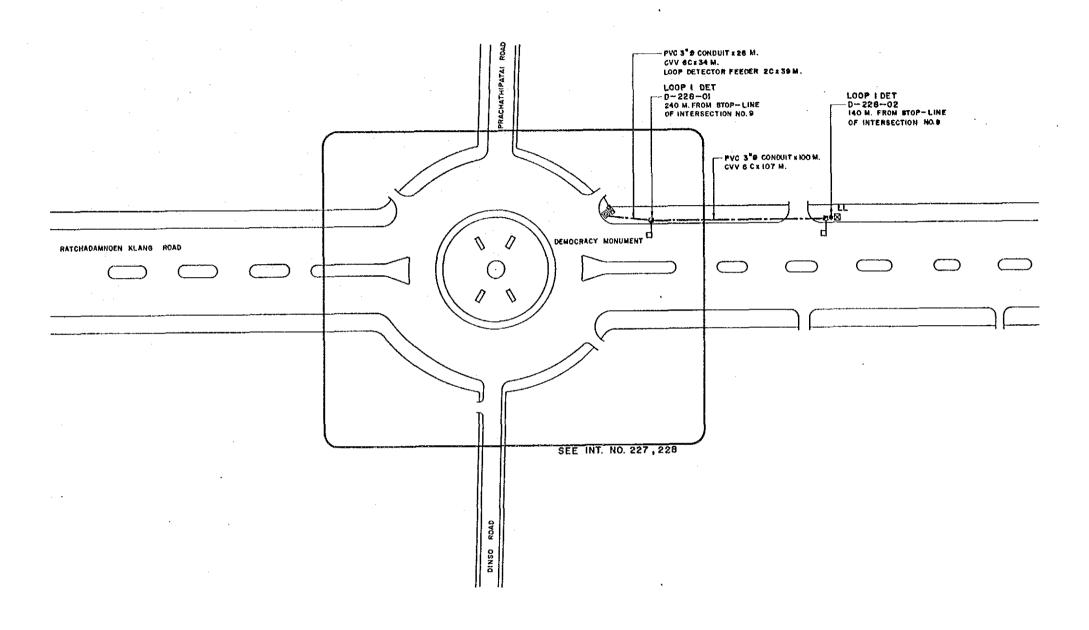
				BANGKOK ARE	A TRAFFIC CO	NTROL SYSTEM PE	ROJECT: STAGE I
				VEHICLE BETECT LAYOUT		Submitted By : Jure Kedsta JICA Study Team Lebier	Approved By : #BOUNGERST TIPLES #### Study Team Leader
						Designed By :	Checked By :
				INTERSECTION NO	217	JICA Blody Member	TEO.BWA
Code	Revision	Del+	leitinl	JICA	AMG	Scale / 1,000	Drawing NO 4217
Associate Plan No.				Japan International Gangkok Metropolitan Cooperation Agency Administration		Date SEPTEMBER' 90	Total 73/86



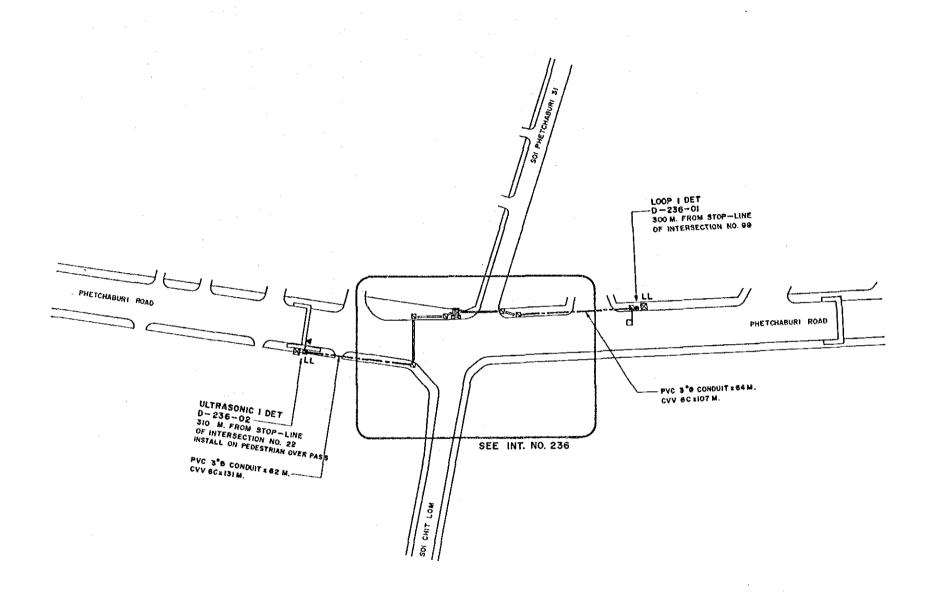
	Datector Equipments List	
	Drawing NO. 4224	
TEM		Qty.
	Detector Cabinet (with TTR Unit)	
	Detector Cabinet (without TTR Unit)	L
. 3	Pre-Processor of Detector Pulse	<u>-</u>
	Loop Coll Delector Unit .	1
	Loop Coll Cable	8
	Loop Coll Feeder Cable	63
	Uitrasonic Detector Unit	
	Ultrasonic Detector Head	匸
	Ultrasonic Detector Feeder Cable	<u>_</u>
	Supply Power Switch Box with Power Breaker	
11	TOT Line Box	-
	Type A Pole	匞
	Type B Pole	1=
	Type C Pole with 7.0m Arm	-
	Type C Pole with 8.5rz Arm	1
	Assembly for Installation on Pedestrian Overpass	-
17	Conduit PVC 3" or 70mm	45
	Conduit Steel 3° or 70mm	L
19	Conduit Steel 39mm	L
	Conduit Steel 28mm	Ξ.
21	Install Conduit under Asphalt Pavement	T
22	Install Conduit under Concrete Pavement or Sidewalk	,45
23	Install Conduit on Padestrian Overpass	<u> </u>
	Instrii Condult on Riser Support pole	T
	Handhole Type C	1
26	Aerial Cable Supporter	
	Detector Cable Sc	-
28	Detector Cable 8c	-
	Detector Cable 12c	T =
	Delector Cable SS &c	T -
31	Detector Cable SS 8c	-
	Detector Cable SS 12c	-
	Power Cable	T-
	TOT line (CPV, 0.65mm, 1P)	T -
	Grounding Rod	1
	Grounding Cable	1 6

	BANGKOK AREA TRAFFIC CONTROL SYSTEM PROJECT: STAGE I					
	VEHICLE DETECTOR AND CABLE LAYOUT PLAN	Submitted By : Jyra Kodera JICA Study Team Leader	Approved By : Bopsyswat Tiptus BMA Study Team Leader			
	-	Designed By :	Checked By :			
	INTERSECTION NO 224	Yesus Nebeshims JICA Bludy Hember	TED. SMA			
Code Ravision Date initia	A JICA PRO	Scale . 1 / 1,000 ·	Drawing No. 4224			
Associated Plan No. :	Japan International Bangkok Wetropolitan Cooperation Agency Administration	Date SEPTEMBER, 90	Tols! 74/86			



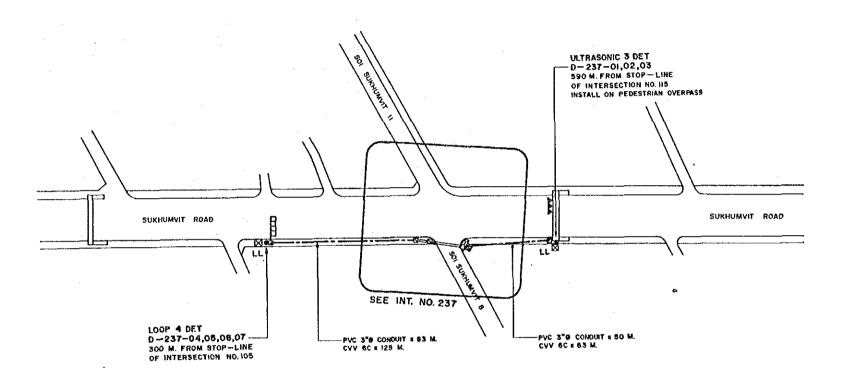


F				BANGKOK ARE	A TRAFFIC CO	NTROL SYSTEM PI	ROJECT: STAGE I
				VEHICLE DETECT LAYOUT	OIL WILD OVERE	Submitted By : Jury Kedera JICA Study Yearn Leader	Approved By : Boonyswat Tiptus EMA Bludy Fazm Leader
					.,	Ossigned By : 1995	Checked By :
	<u></u>	1 1		INTERSECTION NO	228	JICA Study Member	TED, BHA
Code	Revision	Data	Initial	JICA	BMA	Scale / ,000	Drawing NG 4228
•	Associated Flan No. :			Japan International Bangkok Metropolitan Cooperation Agency Administration		Date SEPTEMBER' SO	Total '75/86



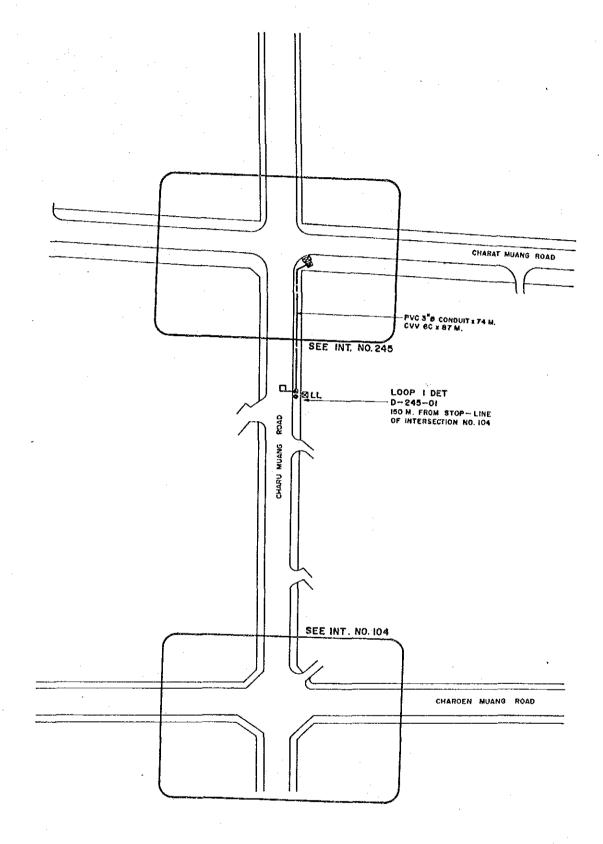
	Detector Equipments List	
	Drawing NO. 4238	
ITEM) OI
1	Detector Cabinet (with TTR Unit)	<u></u>
2	Detector Cabinet (without TTR Unit)	↓_
3	Pre-Processor of Detector Pulse	ئىنل
4	Loop Coll Detector Unit	<u> </u>
. 5	Loop Coll Cable	1_
8	Loop Coll Feeder Cable	L
7	Ultrasonic Detector Unit	L
	Ultrasonic Detector Head	L
9	Uturasonic Detector Feeder Cable	I
10	Supply Power Switch Box with Power Breaker	Υ.
11	TOT Line Box	1.
12	Type A Pole	1
13	Type B Pole	17
14	Type C Pole with 7.0m Arm	1
16	Type C Pole with 8.5m Arm	⇈
18	Assembly for Installation on Pedestrian Overpass	1-
17	Conduit PVC 3° or 70mm	1 1
18	Conduit Steel 3° or 70mm	† ,
19	Conduit Steel 39mm	t^-
20	Condult Steel 28mm	1-
21	Install Conduit under Asphalt Pavement	†
22	Install Conduit under Concrete Pavement or Bidgwalk	1
	Install Conduit on Padestrian Overpass	1
	Install Conduit on Riser Support pole	† ~;
	Handhole Type C	t-
	Aerial Cable Supporter	t
	Detector Cable Sc	1-2
	Detector Cable Sc	† .
29	Detector Cable 12c	t
30	Detector Cable SS 6c	† -
	Delector Cable SS 8c	†
	Datector Cable SS 12c	۲.
	Power Cable	1
34	TOT line (CPV, 0.65mm, 1P)	+-
	Grounding Rod	┿
	Grounding Cable	 -

				BANGKOK AREA TRAFFIC CONTROL SYSTEM PROJECT: STAGE					
				VEHICLE DETECTOR AND CABLE LAYOUT PLAN	Submitted By : Jers Reders JIGA Bludy Team Loader	Approved By : Seenyamat Yipiwa SMA Study Taam Leeder			
					Designed By :	Checked By :			
				INTERSECTION Nº 236	Years Reboshins JICA Study Hember	TED, 6WA			
ode	Revision	Oste	Initial	JICA BMA	Scale 1 / 1,000	Drawing HQ 4236			
Associated Plan No. :				Japan international Bangkok Matropoliten Cooperation Agency Administration	Date SEPTEMBER 60	Total 76 / 86			



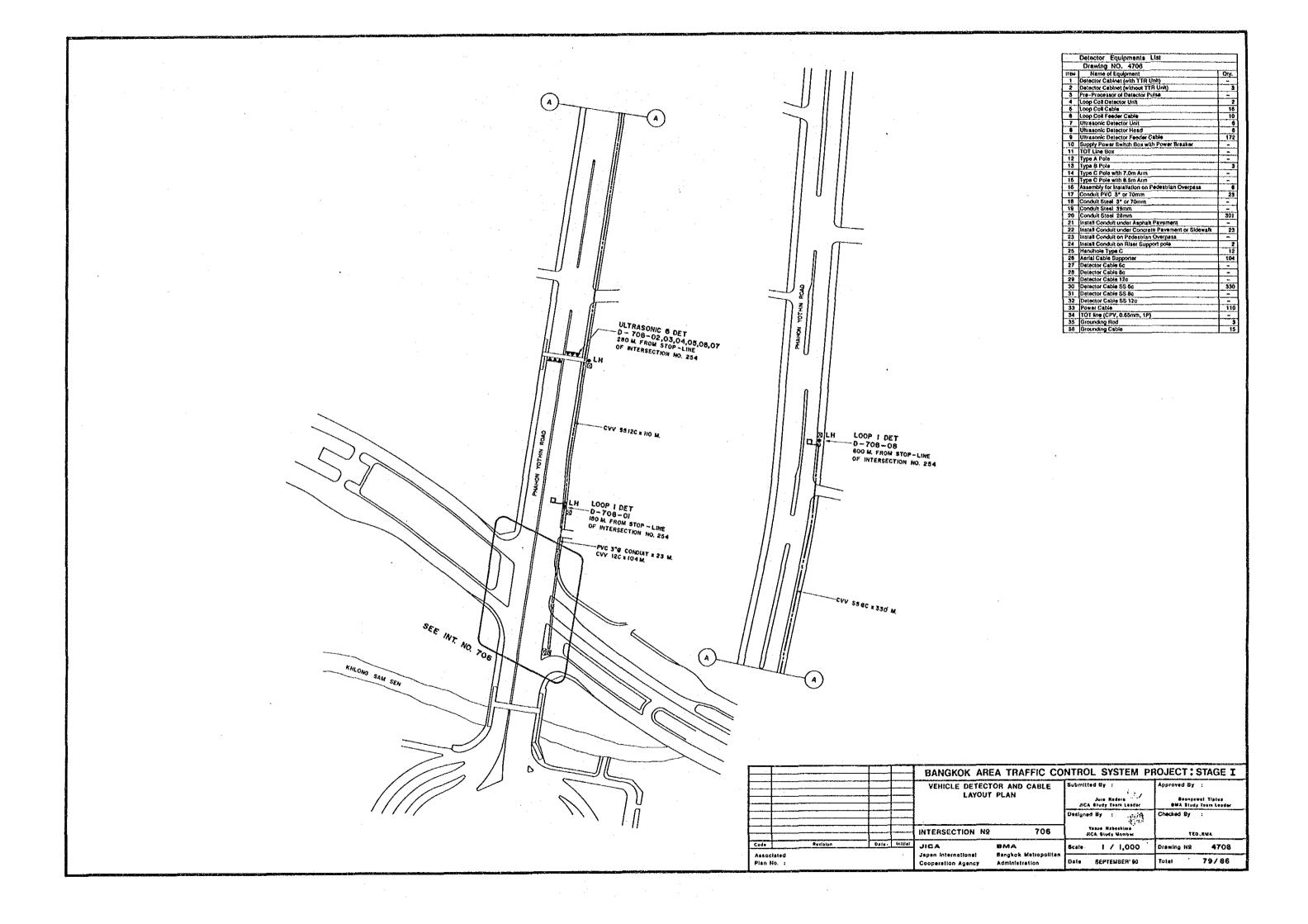
	Detector Equipments List	
	Drawing NO. 4237	
ITEM	Name of Equipment	Oty.
1	Detector Cabinet (with YYA Unit)	-
2	Datector Cabinet (without YTR Unit)	2
3	Pre-Processor of Detector Pulse	-
4	Loop Coli Detector Unit	
5	Loop Coll Cable	32
6	Loop Coll Feeder Cable	48
7	Ukrasonio Datector Unit	3
8	Ultrasonic Datector Head	3
9	Ultrasonic Datactor Feeder Cable	78
10	Supply Power Switch Box with Power Breaker	-
11	TOT Line Box	T
12	Type A Pole	2
13	Type B Pole	-
14	Type C Pole with 7.0m Arm	-
15	Type C Pole with 8.5m Arm	-
18	Assembly for Installation on Pedestrian Overpass	3
17	Condult PVC 3" or 70mm	193
18	Condult Steel 3" or 70mm	-
19	Conduit Steel 39mm	T-
20	Conduit Steel 28mm	25
21	Instalt Conduit under Asphalt Pavement	-
22	Install Conduit under Concrete Pavement or Sidewalk	133
23	Install Conduit on Pedestrian Overpass	25
24	Install Conduit on Riser Support pole	
25	Handhole Type C	2
26		
27	Datactor Cable 6c	188
20		-
29	Detector Cable 12c	
30	Detector Cable SS 6c	-
31	Detector Cable SS 8c	-
32	Detector Cable SS 12c	_
33		<u> </u>
34	TOT line (CPV, 0.65mm, 1P)	 -
35	Grounding Rod	1
36	Grounding Cable	10

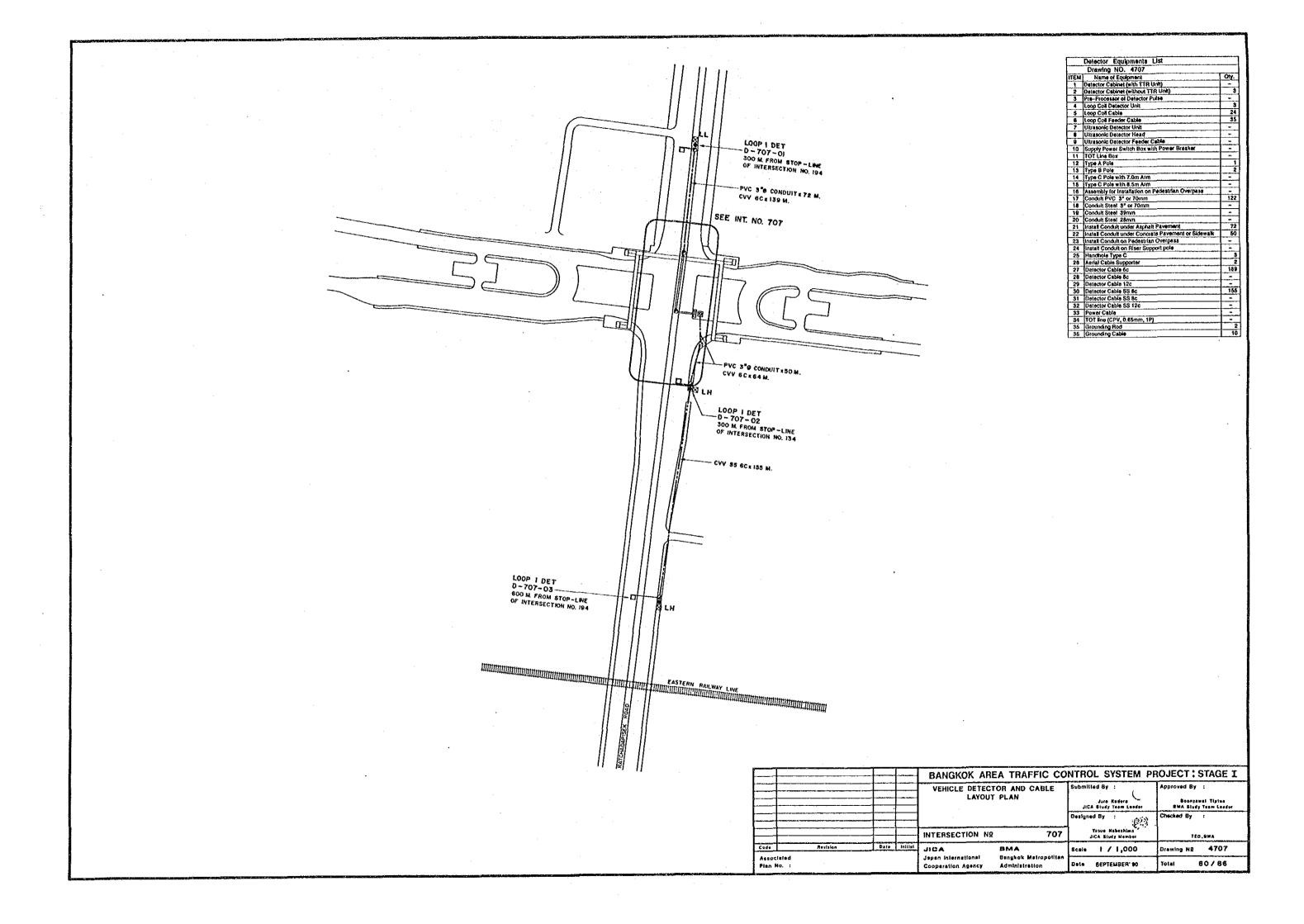
				BANGKOK ARE	A TRAFFIC CO	NTROL SYSTEM PE	OJECT: STAGE I
				VEHICLE DETECT LAYOUT		Submitted By : Jure Kedera JICA Bludy Teem Leeder	Approved By ; Beonjewat Tiplus BMA Study Team Leader
				·		Designed By : ()4) Yesue Wabeakima	Checked By :
		 		INTERSECTION NO	237	Yasue Nabeshima JICA Study Mamber	TEO.BMA
Code	Revision	Date	Initiat	JICA	BMA	Scale [/ 1,000	Drawing Nº 4237
Associated Plan No. :			Japan International Bangkok Metropolitan Cooperation Agency Administration		Date SEPTEMBER 90	Total 77/86	

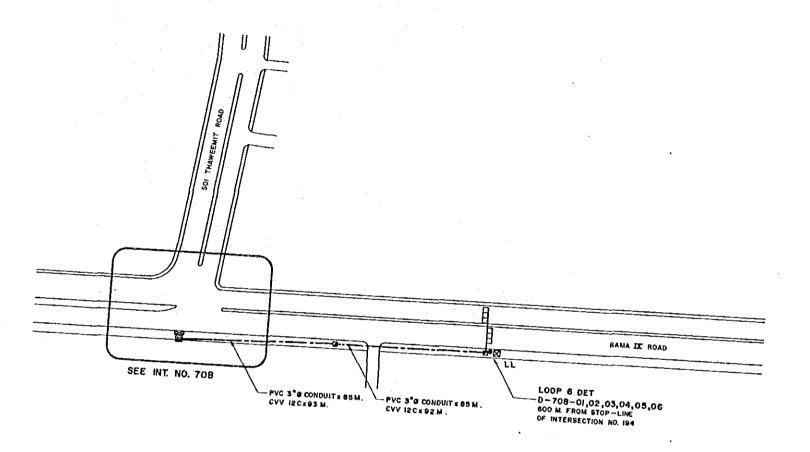


	Detector Equipments List	
	Drawing NO. 4245	
ITEM		100
1	Detector Cabinet (with TTR Unit)	_=
2	Detector Cabinet (without TTR Unit)	ļ
3	Pre-Processor of Detector Pulse	
4	Loop Coll Datactor Unit	ļ
5	Loop Coli Cabia	ļ
6	Loop Coll Feeder Cable	L
7	Ulyasonic Detector Unit	
8	Ultrasonic Detector Head	
9	Ultrascnic Delector Feeder Cable	<u> </u>
10	Supply Power Switch Box with Power Breaker	
11	TOT Line Box	
12	Typa A Pola	Г
13	Type & Pole	-
14	Type C Pole with 7.0m Arm	-
15	Type C Pole with 8.5m Arm	-
16	Assembly for Installation on Pedestrian Overpasa	
17	Conduit PVC 3° or 70nxn	7
18	Conduit Steel 3" or 70mm	Ι.Ξ
19	Conduit Steel 39mm	-
20	Conduit Steel 28mm	-
21	Install Conduit under Asphalt Pavement	-
22	Install Conduit under Concrate Payement or Sidewalk	7
23	install Conduit on Pedestrian Overpass	
	Install Conduit on Riser Support pole	
25	Handhole Type C	
28	Aerial Cable Supporter	-
27	Detector Cable &c	
28	Detector Cable 6c	
	Detector Cable 12c	-
	Detector Cable SS 6c	-
	Delector Cable SS 8c	-
	Datector Cable SS 12c	-
	Power Cable	-
	TOT line (CPV, 0.65mm, 1P)	1 -
35	Grounding Rod	1-
38	Grounding Cable	

				BANGKOK ARE	A TRAFFIC CO	NTROL SYSTEM P	ROJECT: STAGE I
				VEHICLE DETECT LAYOUT		Submitted By : Jure Kodera JiCa Bludy Team Leader	Approvad By : Beakyawat Tiptus BMA Study Team teader
						Designed By :	Checked By :
		-		INTERSECTION NO	245	Yssuo Nabeshima . JICA Sindy Member	TED, BMA
Code	Revision	Date	frittal	JICA	BMA	Scale / 1,000	Drawing No. 4245
Associated Plan No. :			Japan international Bangkok Metropolitan Cooperation Agency Administration		Oate SEPTEMBER' 90	Total 78/86	

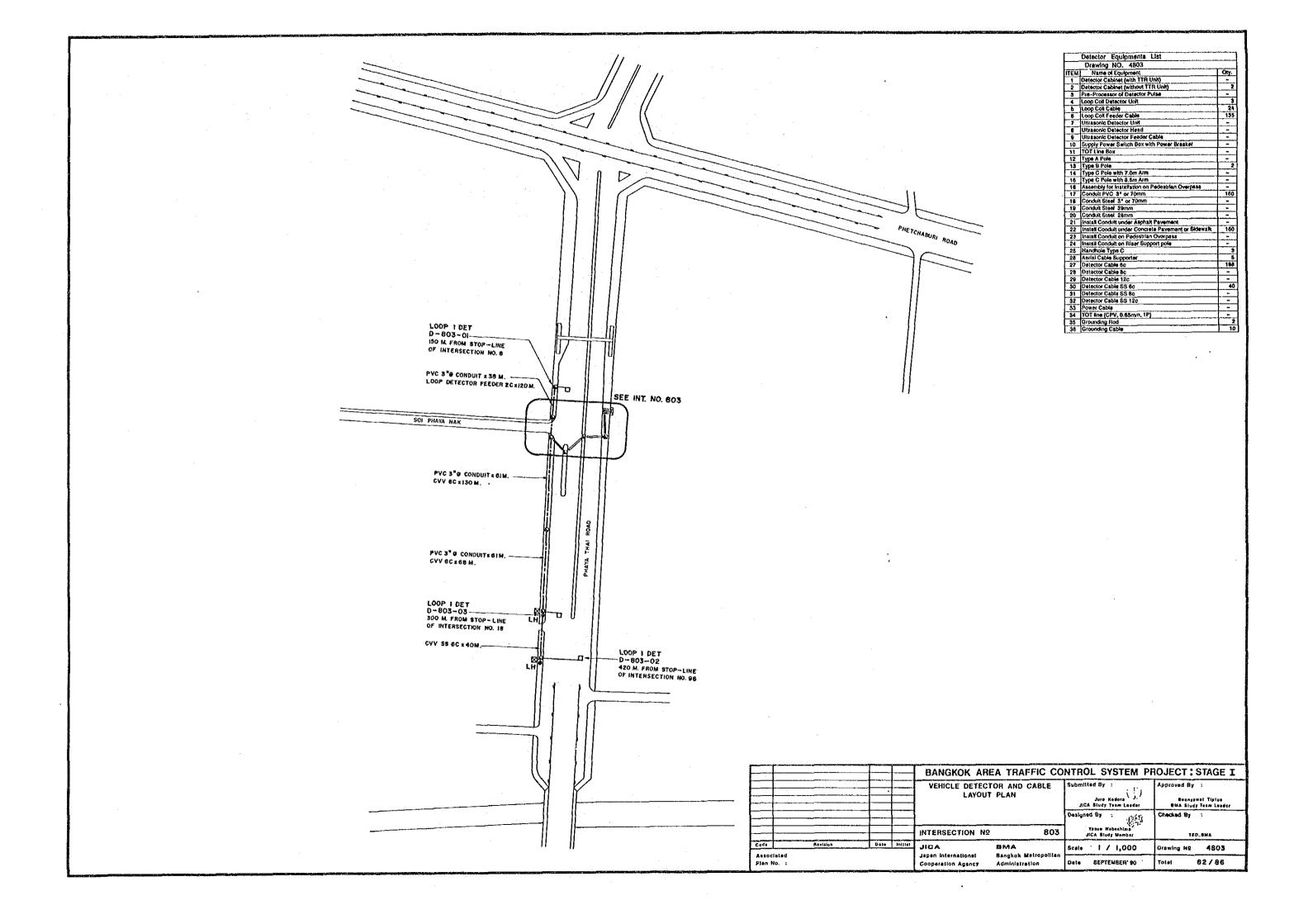


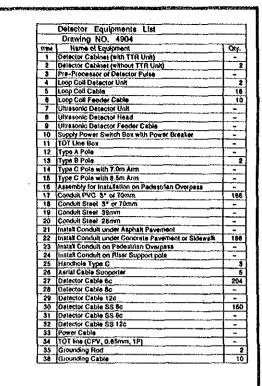


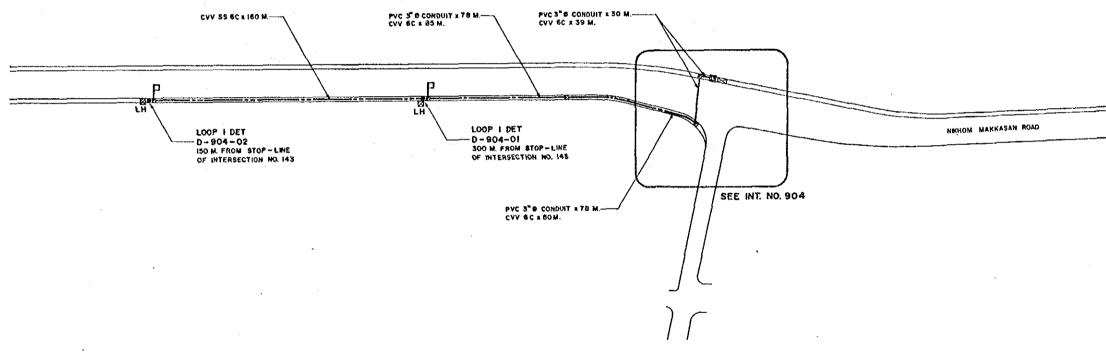


	Detector Equipments List Drawing NO. 4708	
		T-30
mes.	Name of Equipment Defector Cabinet (with TTR Unit)	Oty.
	Detector Gabinet (with 11H Unit)	 - -
2	Detector Cabinet (without TTR Unit)	 '
.3	Pre-Processor of Detector Pulse	 -
4	Loop Coll Detector Unit	
	Loop Coll Cable	41
	Loop Coll Feeder Cable	72
7	Ultrasonic Detector Unit	<u> </u>
8	Ultrasonic Detector Head	
9	Ultrasonic Datactor Feeder Cable	1
10	Supply Power Switch Box with Power Breaker	1 -
11	TOT Line Box	-
12	Type A Pole	1
13	Type B Pole	-
14	Type C Pole with 7.0m Arm	T -
15	Type C Pole with 8.5m Arm	T -
16	Assembly for Installation on Pedestrian Overpass	-
17	Condult PVC 3* or 70mm	170
18	Conduit Steel 3° or 70mm	-
19	Conduit Steel 39mm	-
20	Conduit Steel 28mm	t -
21	Install Conduit under Asphalt Pavement	 -
22	Install Conduit under Concrete Pavement or Sidewalk	170
23	Install Conduit on Pedestrian Overpass	-
24	Install Conduit on Riser Support pole	-
25	Handhola Type C	7
26	Aerial Cable Supporter	
27	Detector Cable Sc	 -
28	Detector Cable 86	-
29	Detector Cable 120	185
30	Detector Cable SS 6c	1
31	Detector Cable SS 8c	 -
32	Detector Cable SS 120	1
33	Power Cable	1
94	TOT line (CPV, 0.65mm, 1P)	1
35	Grounding Rod	+-1
58	IGrounding Cable	1
30	Intervend name	

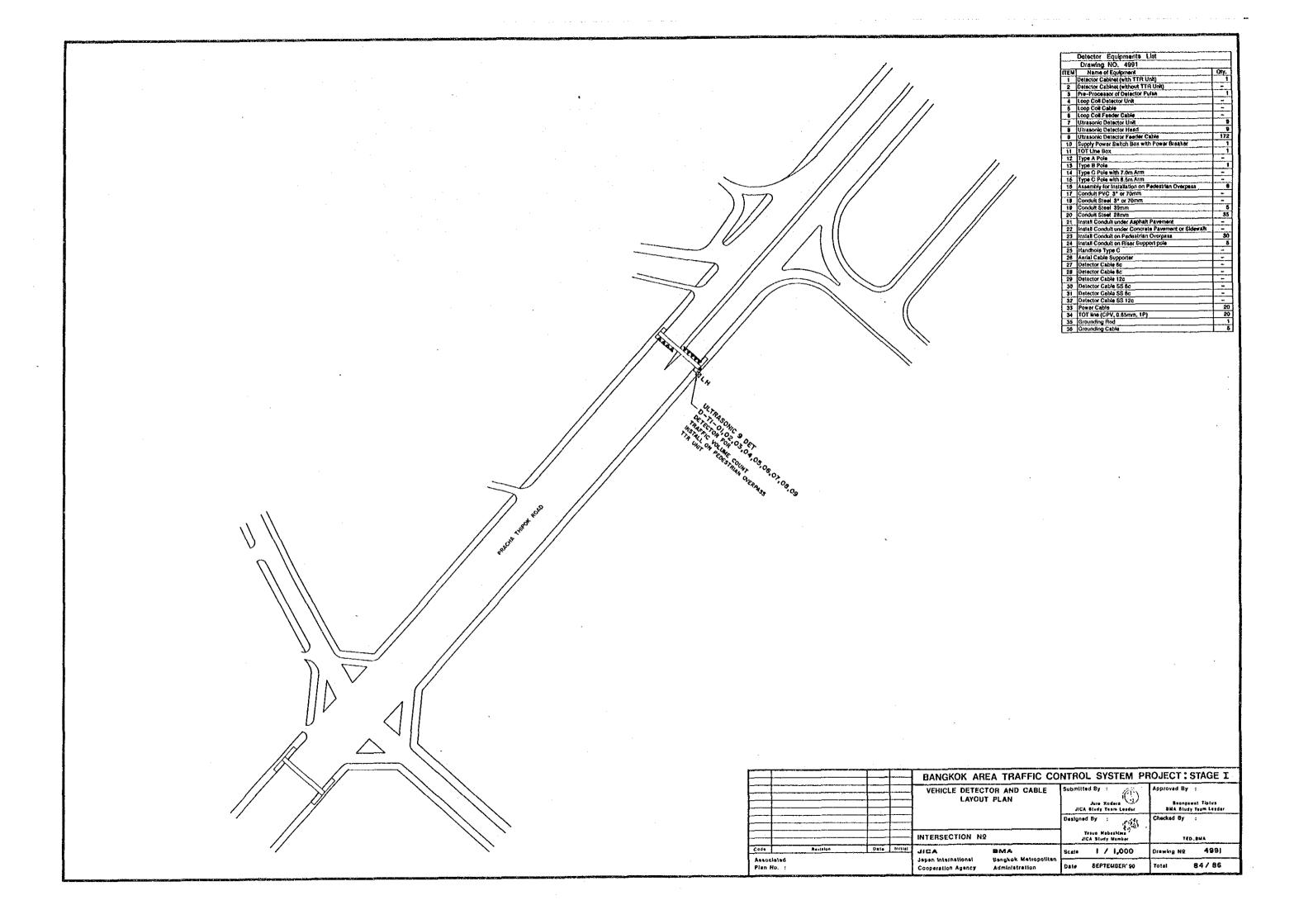
				BANGKOK AREA TRAFFIC CONTROL SYSTEM PROJECT: STAGE I				
				VEHICLE DETECTOR AND CABLE LAYOUT PLAN	Submitted By : Jule Kedate JICA Study Tarm Leader	Approved By : Baonyawat Tiptus BMA Study Team Leader		
					Designed By :	Checked By :		
		 		INTERSECTION NΩ 708	Yssuo Mabeshima JICA Study Mamber	TED.,BWA		
Code	Revision	Date	Initial	JICA BMA	Scale / 1,000	Drawing N2 4708		
Associated Plan No. :				Japan International Bangkok Metropoliten Cooperation Agency Administration	Dale SEPTEMBER' 90	Total 81/86		

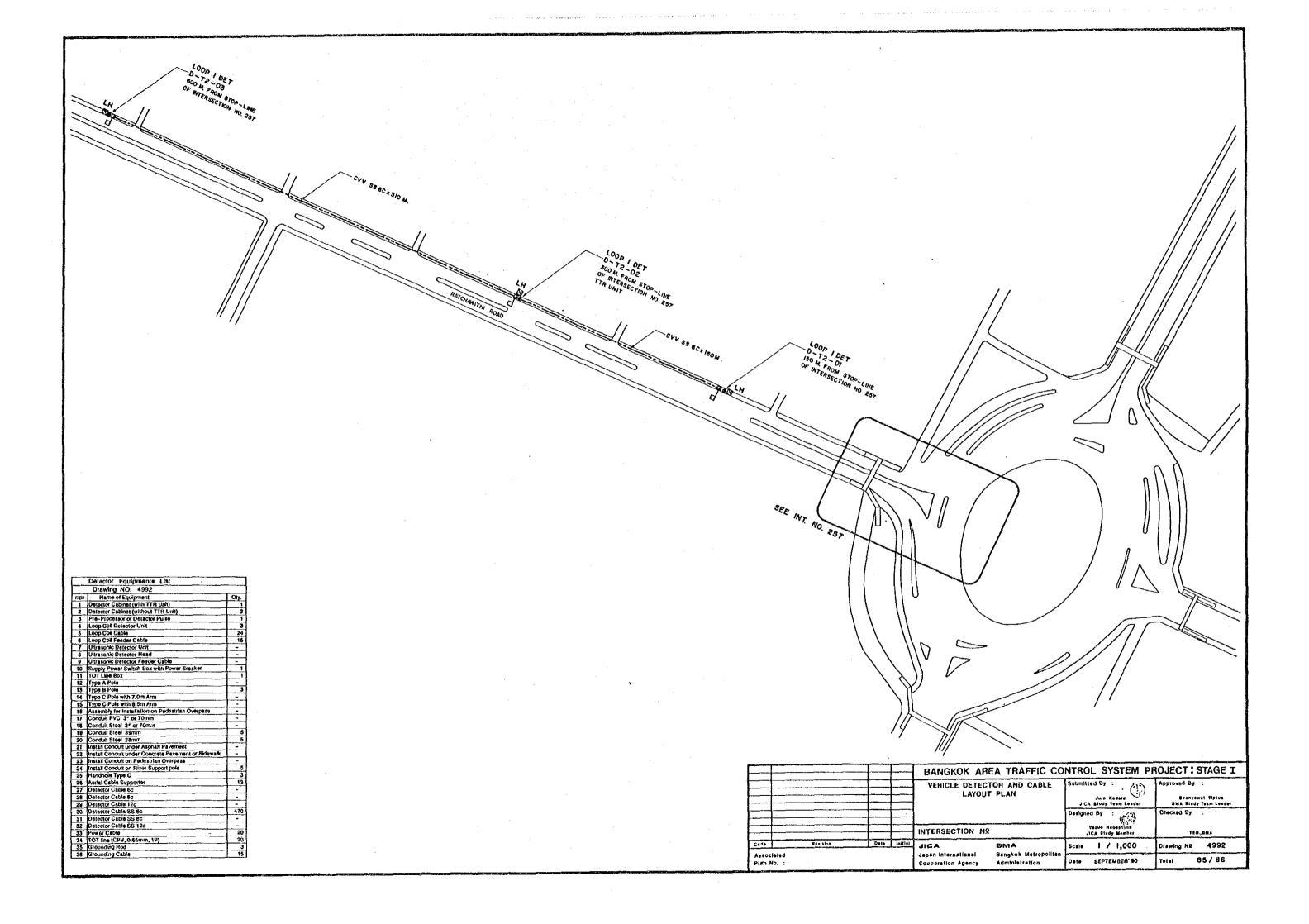


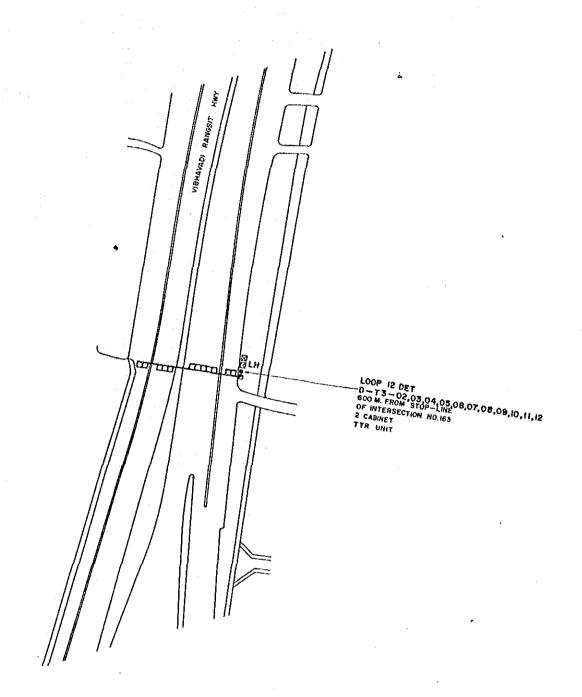




				BANGKOK ARE	A TRAFFIC CO	NTROL SYSTEM PROJECT: STAGE I			
				VEHICLE DETECT	OII WIND ONDER	Submitted By : June Roders JICA Study Team Leader	Approved By : Beorgewat Tiptus BMA Study Team Leader		
						Designed By :	Checked By :		
				INTERSECTION NO	904	HELD Maberhing HCA Study Member	Ŷ€O.,BWA		
Costs	Marition	Date	initial			Scala / I,000	Drawing No. 4904		
Plan i	Associated Plan No. :			Japan International Bangkok Matropolitan Cooperation Agency Administration		Date SEPTEMBER' 90	Tols: 83/86		







ITEM	Drawing NO. 4993 Name of Equipment	Oy.
1	Detector Cabinet (with TTR Unit)	1
2	Detector Cabinet (without TTR Unit)	
3	Pre-Processor of Detector Pulse	
<u> </u>	Logo Coll Desector Unit	1
6	Loop Coll Cable	-
-6-	Loop Coll Feeder Cable	43
-	Ultrasonic Detector Unit	-
•	Ultrasonic Detector Head	-
9	Ultrasonic Detector Feader Cable	-
10	Supply Power Switch Box with Power Breaker	├ ──
11	Supply Power Switch Box with Power Breaker TOT Line Box	T
12	Type A Pole	-
	Type B Pole	
	Type C Pole with 7.0m Arm	Γ-
15	Type C Pole with 8.5m Arm	-
16	Assembly for Installation on Padestrian Overpass	-
17	Condult PVC 3" or 70mm	-
18	Conduit Steel 3" or 70mm	
19	Conduit Stoel 39mm	
20	Conduit Steel 28mm	
21	Instali Conduit under Asphalt Pavement	I <u> </u>
22	Install Conduit under Concrete Pavement or Sidewalk	*
23	Install Conduit on Pedestrian Overpass	Ξ.
24	Install Conduit on Riser Support pole	
25	Handhols Type C	
28	Aerial Cable Supporter	_=
27	Detector Cable 8c	L-
28	Detector Cable Sc	-
28	Detector Cable 12c	<u> </u>
30	Detector Cable SS 6c	
31	Detector Cable SS &c	1 -
32	Detector Cable SS 12c	L -
33	Power Cable	2
34	TOT ins (CPV, 0.65mm, 1P)	7
35	Grounding Rod	1
38	Grounding Cable	1

				BANGKOK AREA TRAFFIC	ROJECT: STAGE I	
				VEHICLE DETECTOR AND CABLE LAYOUT PLAN	Submitted By : Furn Kaders JICA Study Team Leader	Approved By : Beatyswal Tlaius SMA Study Team Leadyr
					Designed By : (A) 2 1	Checked By :
				INTERSECTION NO	Yaşım Nabeshima JICA Study Membor	TED., SMA
Code	Revision	Data	Initial	JICA BMA	Scale 1 / 1,000	Drawkig NR 4993
Associated Pten No. :				Japan international Bangkok Metropolitan Cooperation Agency Administration	Date SEPTEMBER' SO -	Total 86/86

