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Project	Detailed Design of in La	on Port Reactivati Union Province	on Project	Project Code	JC1N004/2N001
Work Section Title	CONCRETE	PAVEHENT	(TYPE 2)	Pay Item No. (BOQ)	2G-0202
Quantity Item	SUBBASE	COURSE		Unit	m ³

Povement orea was computed using geometric bimulas.

Povement volume was obtained multiplying the orea
to the thickness of each type of course.

The volume was computed with zero decimal for
total.

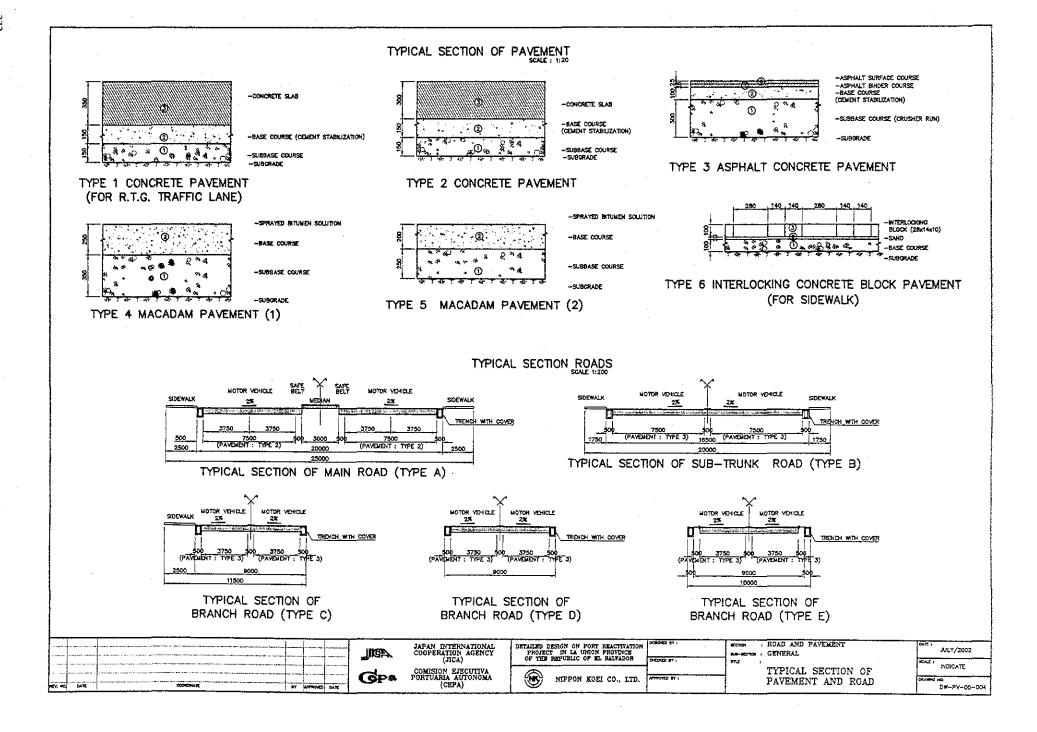
References, Calculation Base and Revisions

References: Tender Drowings:

DW-DV-00-001 General Plan of Povement Area

DW-PV-00-004 Typical Section of Povement and Road

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	QUANTITY CALCULATION (
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	CONCRETE PAYEMENT (TYPE 2)	Pay Item No. (BOQ)	29-0203
Quantity Item	BASE COURSE	Unit	M3

Povement orea was composed using geometric formulas.

Povement volume was obtained multiplying the orea

to the thickness of each type of course.

The volume was computed with zero decimal for

lotal.

References, Calculation Base and Revisions

References: Tinder Drawings:

DW-PV-00-001 General Plan of Pavement Area
DW-PV-00-004 Typical Section of Pavement and Road

(Some as "Subgrade Preparation and Subbase Course")

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	CONCRETE PAVEHENT (TYPE 2)	Pay Item No. (BOQ)	26-0204
Quantity Item	PRIME COATING	Սոit	m ²

Pavement area was computed sectioning the prime wating area into small section areas and using geometric formulas.

The area was computed with zero decimal for total.

References, Calculation Base and Revisions

Refirences: Tinder Drawings:

DW-PV-00-DOI General Plan of Povement Drea

DW - PV - 00 - 004 Typical Section of Povement and Road

(Some as Subgrade Proporation and Subbose Coure")

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	CONCRETE PAVEMENT (TYPE 2)	Pay Item No. (BOQ)	2G-020501
Quantity Item	CONCRETE SLA B	Unit	mЗ

Povement area was computed using geometric boundlas. Povement volume was obtained multiplying the area to the thickness of each type of course. The volume was computed with zero decimal for total.

References, Calculation Base and Revisions

Refrences: Tender Drawings:

DW-PV-00-001 General Plan of Povement Area

DW-PV-00-004 Typical Section of Povement and Road.

(Some as Subgrade Proporation and Subbase Course")

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	QUANTITY CALCULATION C		The state of the s
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	CONCRETE PAVENTHT (TYPE -2)	Pay Item No. (BOQ)	2G - 020502
Quantity Item	REINFORCEMENT AND TOINT BAR	Unit	m²

Reinforcement and joint bor was computed for container yord povement.

Runnicement length was computed summonizing all dis-

References, Calculation Base and Revisions

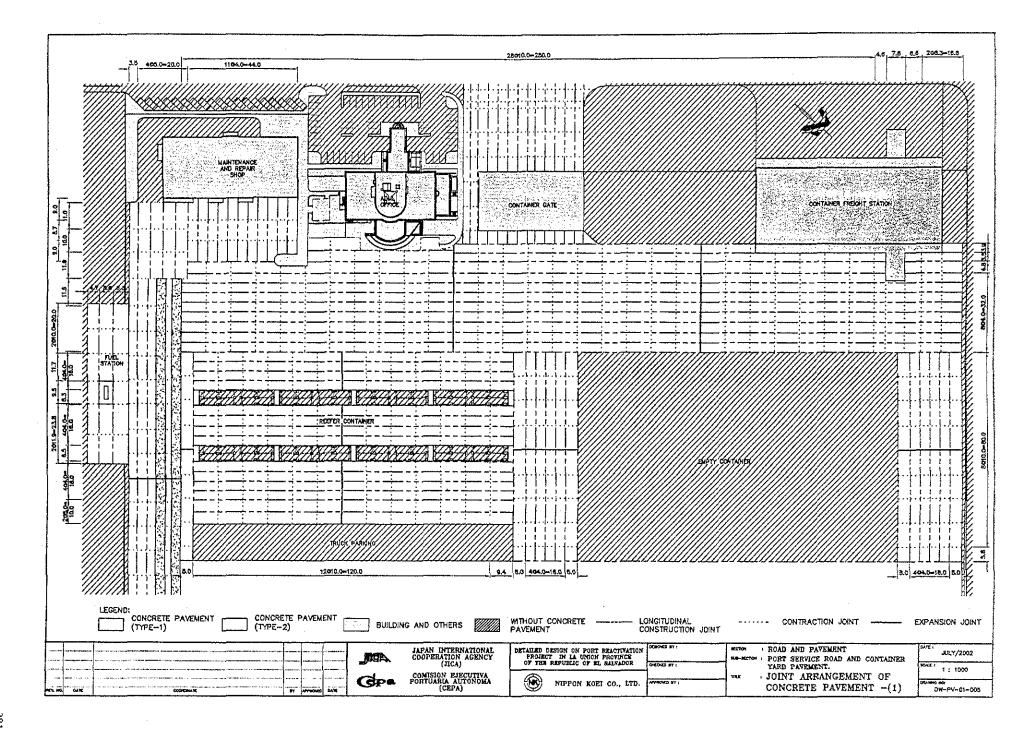
References: Tender Drawings:

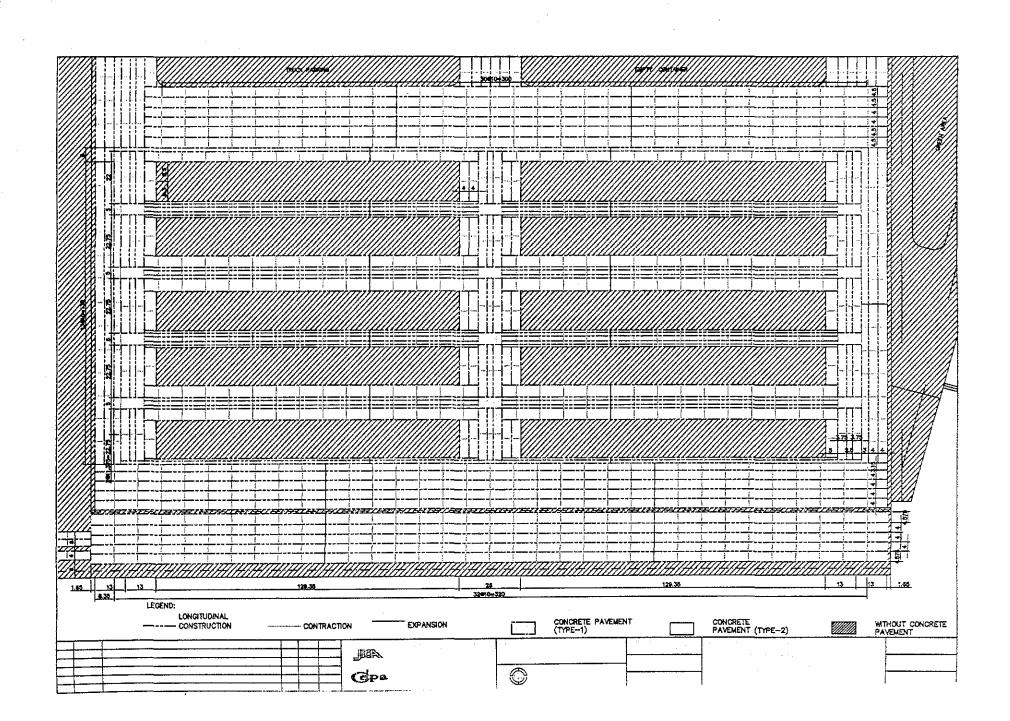
0W-PV-01-005 Tornt Amongement of Concrete Povement (1)

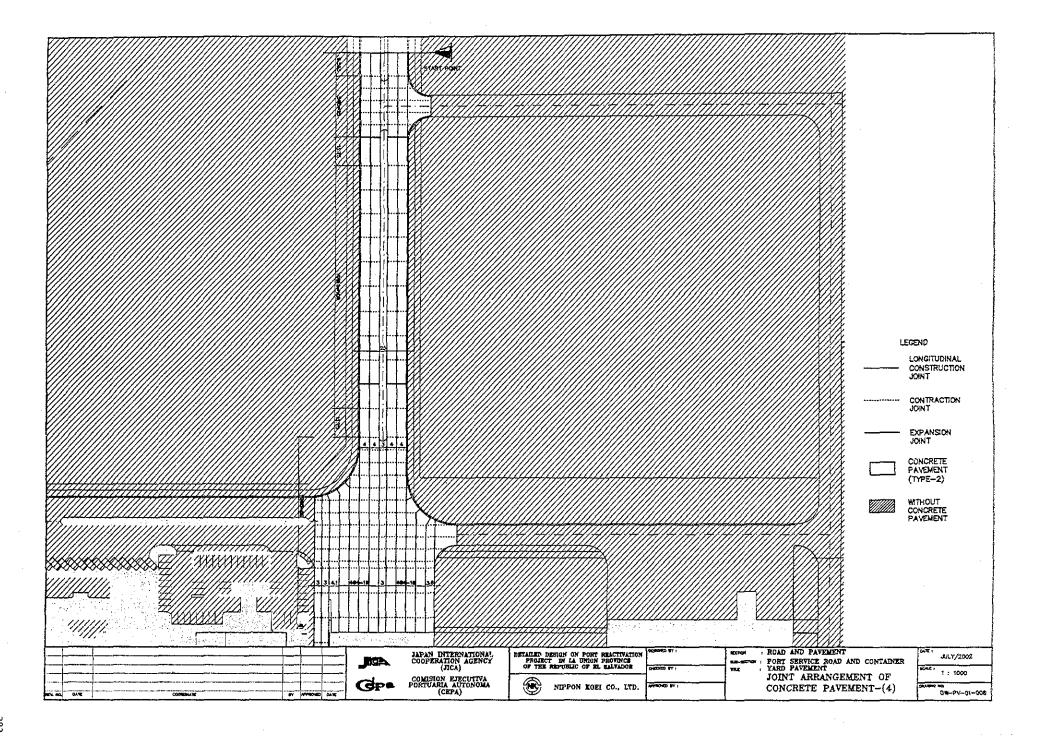
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	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	CONCRETE PAVELMENT (TYPE-2)	Pay item No. (BOQ)	2G-020503
Quantity Item	ELAS TIGH BOARD	Unit	mo

povement.

It was computed multiplying the length of das hop in the wild-h.

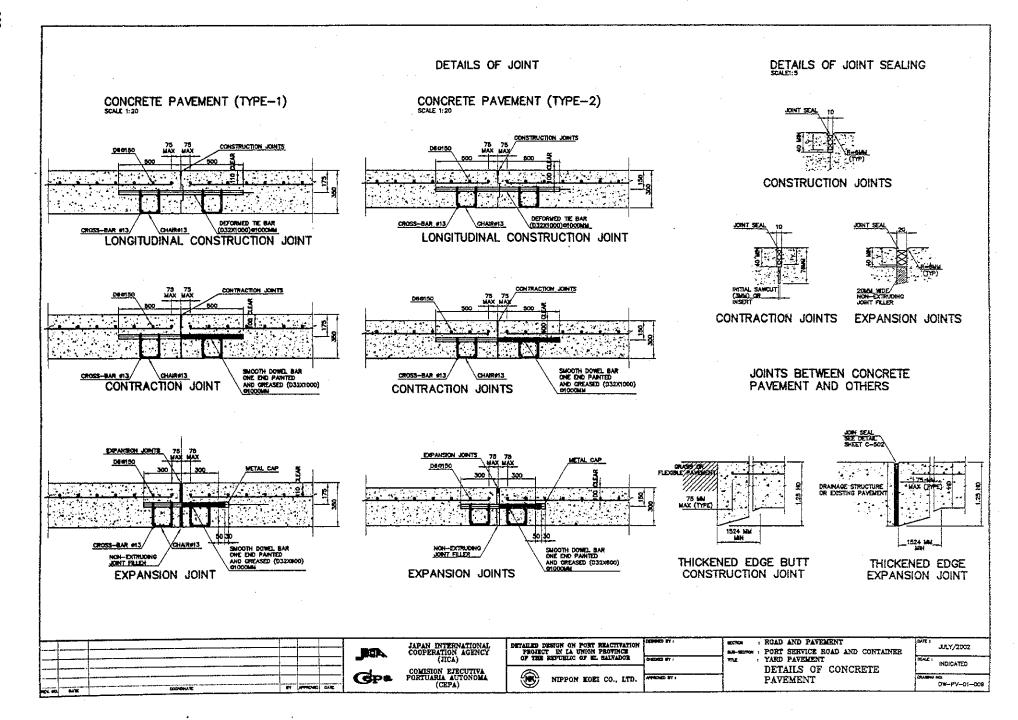
References, Calculation Base and Revisions

References: Tender Drowings.

Develope of Conacle Povement.

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Work Section Title	CONCRETE	PAVEHENT	(TYPE-2)	Pay Item No. (BOQ)	2G-020504
Quantity Item	JOINT \$1	LTER		Unit	m²

Join! Aller area was computed for container yard

Area was computed multiplying the length of joint filter to the width.

References, Calculation Base and Revisions

Returnces: Tender Drowings: DW-PV-02-009 Detoils of Concrete Povement.

(Some as Elas Tigh Boord")

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	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	CONCRETE PAVEMENT (TYPE-2)	Pay Item No. (BOQ)	2G-020505
Quantity Item	IRON MESH	Unit	m ²

Iron mesh orea was computed for Container Yard povement.

Area was computed using geometric formulas and sectioning the area into small sections area.

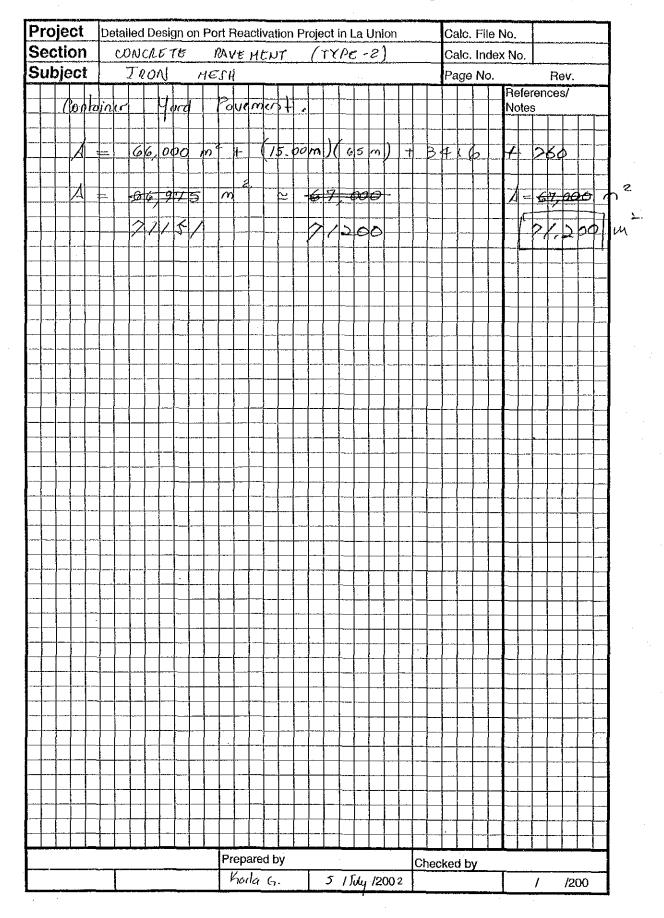
References, Calculation Base and Revisions

Retrances: Tinder Drowings:

DW-PU-00-001 General Plan of Pavement Area.

(Some as "Subgrade Paparation")

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	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	ASPHALT CONCRETE PAVEHENT (TYPE3)	Pay Item No. (BOQ)	26-0301
Quantity Item	SUBGRADE PREPARATION	Unit	m ²

Povement orea was computed sectioning the preparation area into small section oreas and using geometric formulas.

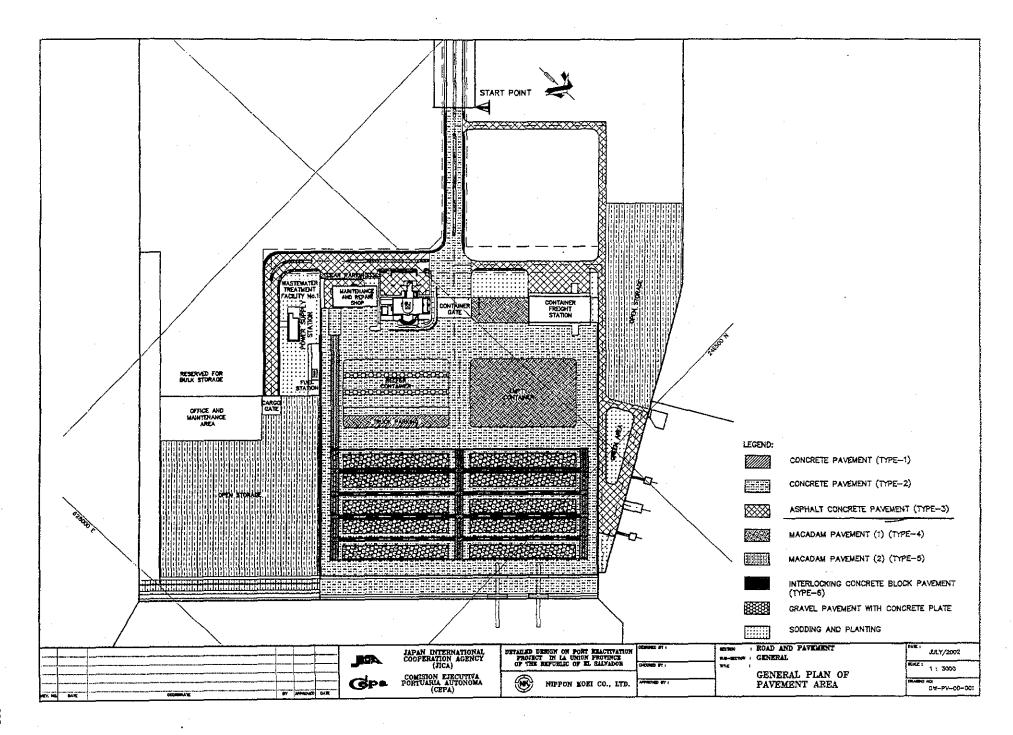
The area was computed with two decimal for section area and zero decimal for total.

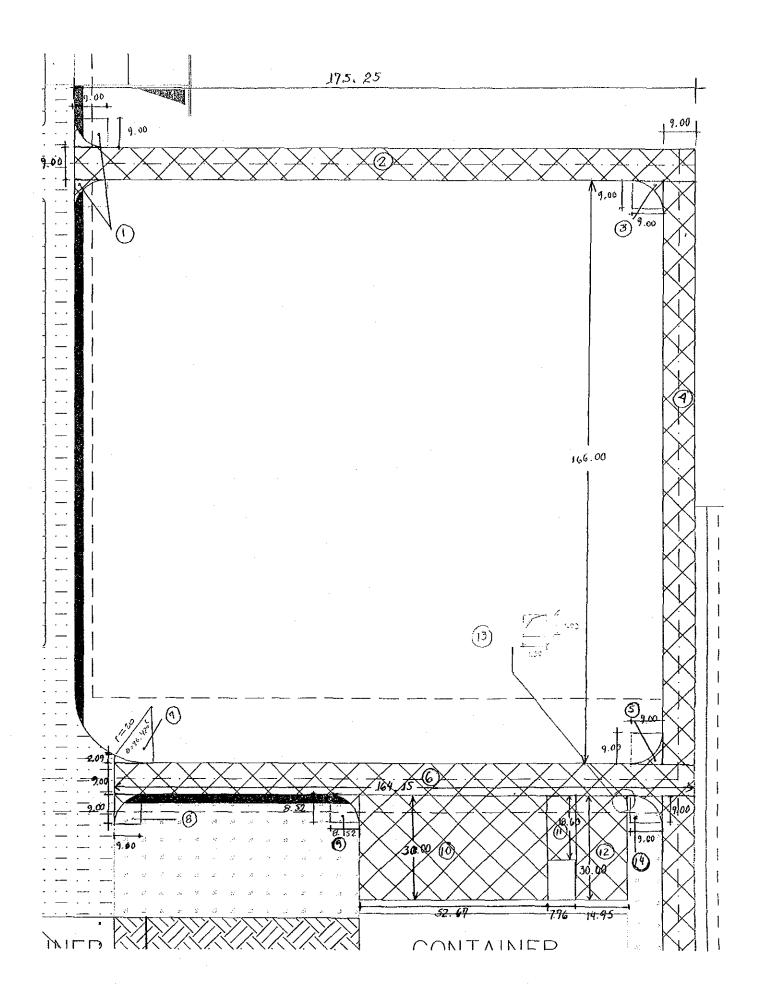
References, Calculation Base and Revisions

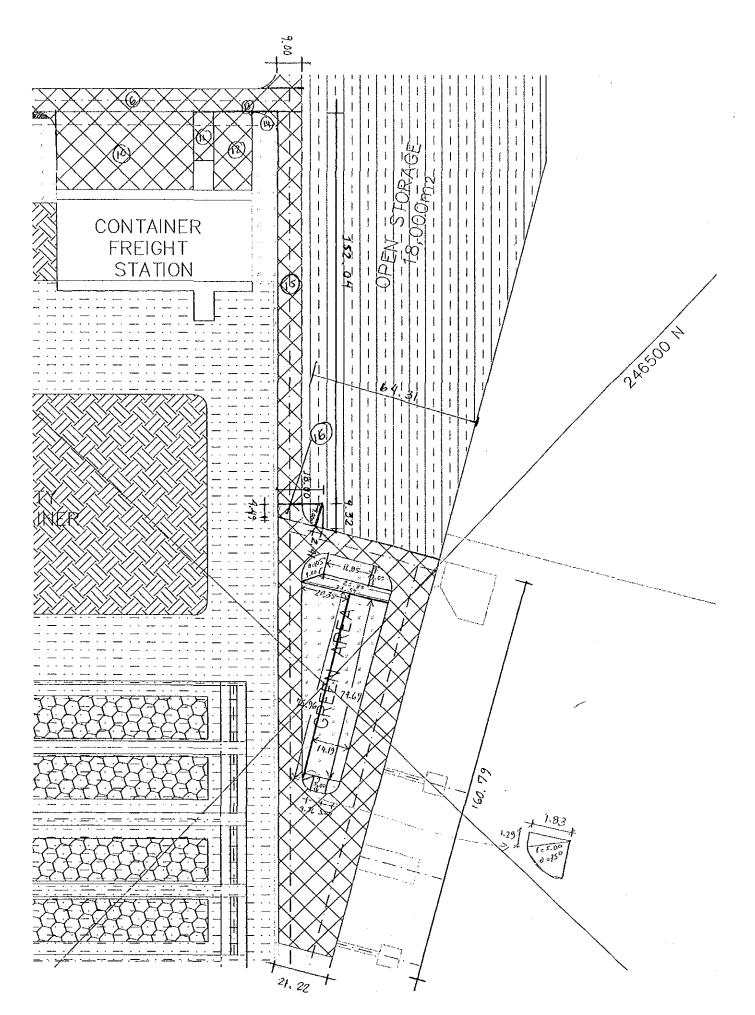
References: Tender Drowings:

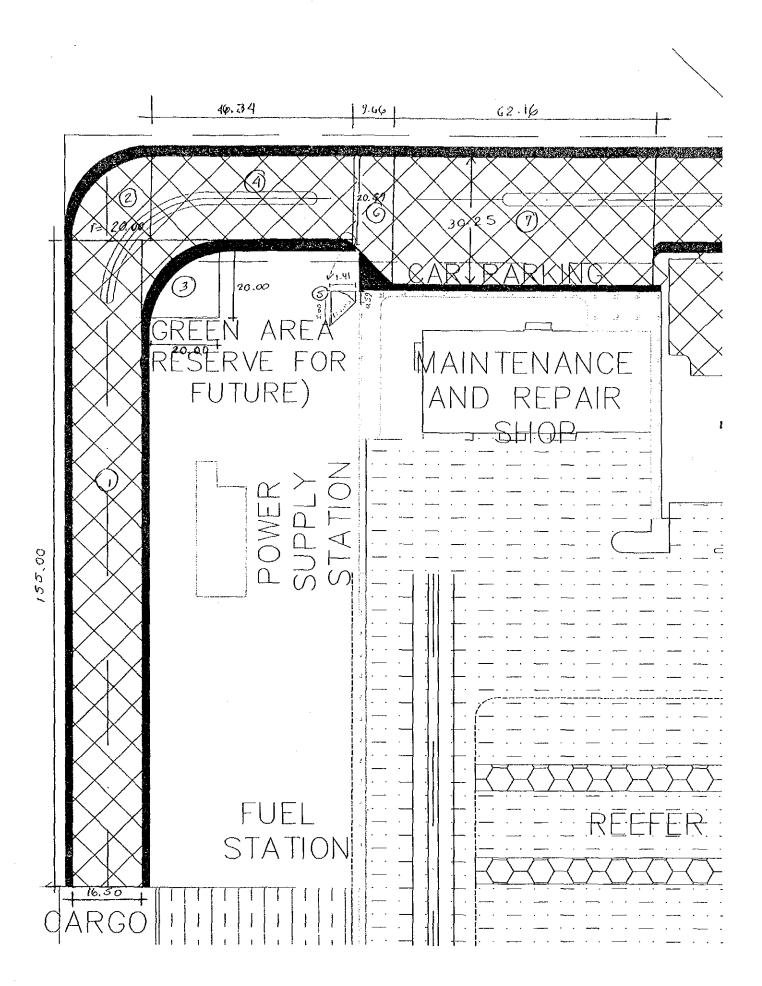
OW- DU-00-001 General Plon of Povement Area.

Rev	Prep	ared	No. of	Chec	ked	Revie	ewed	Superseded
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Project	Detailed Design on Pe	ort Reactivation F	roject in La Union	Calc, File No.	
Section	ASPIJALT CONCRETE	PAVEHUNT (-	YPE 3)	Calc, Index No.	
Subject	SUBGRADE PR	EPARATION		Page No.	Rev.
					rences/
12:		 	 	Note)S
1411	55 m) (10, 50 m) =	2, \$5 7. 50			╂┼┼┼
12=	T (20m) 4 =	314.16			
	20m)(20m)	Tr (20m) /4 =	85. 84 m		
			2		
14+	(20 m) (46 34 m)	= 926 .80	 	┤┤┤┤┨┤╸	+
-1-144 = (1	0.59m+2m/(14	(m) + T(2m)2	(45°) = 0.26 m		
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A A	20, 59 m + 30, 251	1) (9 66 m) =	245. 56 m2		
1 1	(02,14 m·) (30,11	(25 m) = 1.8	2 31 2		
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1 4 8 =	(2m)(2m) - m(2 m 2/4 = a	86 m ²		
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 	(11111111111111111111111111111111111111	17/11/14/(3:22)	2 17/1		
	(059m+2m)/1	YIM - 11(2m)	(45°)		
	2 2 1 D 2 3 B m ²	1 1 1 30	0.		-
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4 10 =	(63.84 m) (20	h) = 1,276	80 M		
112 =	1/34 m + 6 com	1 4 12 00 -1	11 (6,67m) (29.86°)	1 (a967) (c. Com	
	1 2 1	7/1/1/1/1 /1	3600	2 2	
F	1.44 m ²				
413	= (24.46m)(5 03 m \- (.23 m) (1-5/m) = 1	20 03 0	+- - -
					
419 =	(2m)(2m)	TT (2 m) /1 =	φ. 96 m ²		
A15 =	(8m)(29.46m	T(0,76m)	4 (1.244) (1.314	$\frac{1}{2} = 232 9 0 n$	2
		1 2		7	
1/16 =	(12.50 m) (5 m) = 62.50	ρ^2		
117 =	(1.50m) (1.50 m	- 11 (1.50m)	4 = 0.80 m	╶╎╎╎ ┩╌	+
				a n	
1/8 =	(1.94 m) (19.85 m)	- (B.85 m)(\$."	4 4) + (4.53 4) (0.94)	7) + 17(0.471)	
	209.53 m	 		 	
				2 7	
1 9 =	(11/11) (3/17) + (1/1	1(1m)-17(m)/4]) + (1,50m)(1m) + T(0.5 m)/2	
	341.40 m2	 	╟╎┋┪╸ ╎ ╽ ┑		
		Prepared by	Ch	ecked by	
		Koila G.	26 / June/200 2		/ /200

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	QUANTITY CALCULATION C	- · · · · · ·	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	ASPHALT CONCRETE PAYEMINIT (TYPE 3)	Pay Item No. (BOQ)	29 - 0302
Quantity Item	SUBIBASE COURSE	Unit	· m ³

Forement area was computed using geometric formulas.

Payement volume was obtained multiplying the area to
the lhickness of each type of course.

The volume was computed with zero decimal for total.

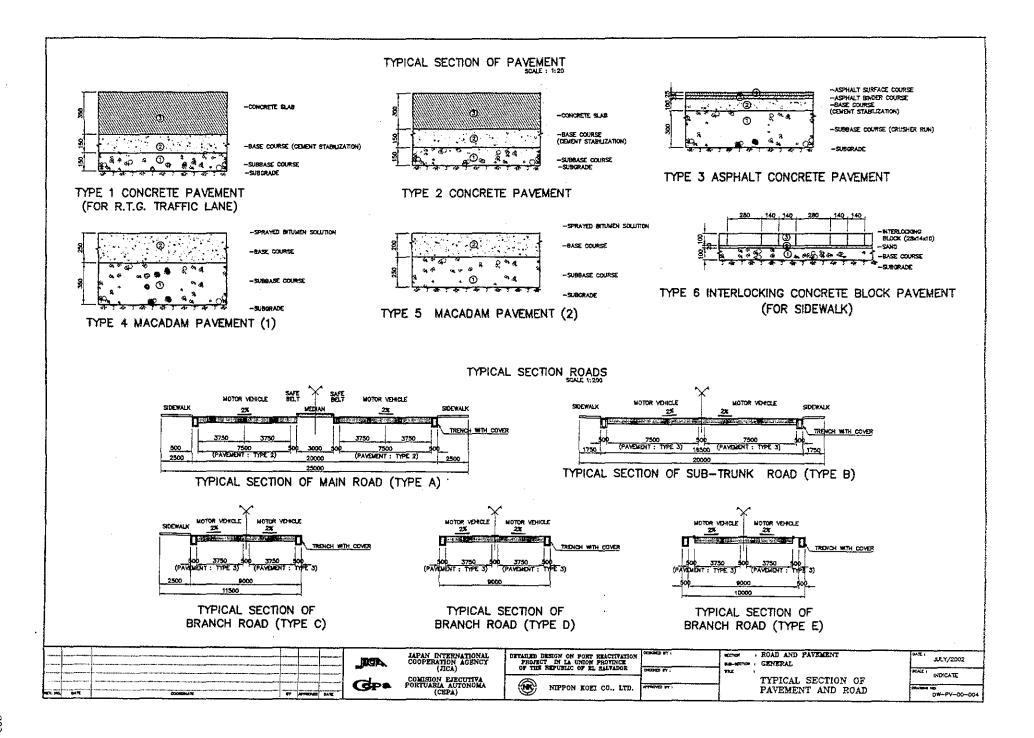
References, Calculation Base and Revisions

References: Tender Drowings:

DW - PV - 00 - 001 General Plan of Povement Area

DW - PV - 00 - 004 Typical Section of Povement and Road.

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	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	ASPHALT CONCRETE PAVEHENT (TYPE 3)	Pay Item No. (BOQ)	29-0303
Quantity Item	BASE COURSE	Unit	w ₃

Pavement area was computed using geometric formulas. Povement volume was obtained multiplying the area to the thickness of each type of course.

The volume was computed with zero decimal for total.

References, Calculation Base and Revisions

References: Tender Drowings:

DW - PV - 00 - 001 General Plan of Povement Area.

DW - PV - 00 - 004 Typical Section of Povement and Road.

(Some as Subgrade Preparation and Subbose Oburse")

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	QUANTITY CALCULATION C	· ·	
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Work Section Title	AS PHALT CONCRETE PAVENENT (TYPE 3)	Pay Item No. (BOQ)	2G-0304
Quantity Item	PRIME COATING	Unit	m²

Povement area was computed sectioning the prime coating area into small section areas and using geometric formulas.

The orea was computed with zero decimal for total.

References, Calculation Base and Revisions

References: Tinder Drowings:

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	ASPHALT CONCRETE PAVEHENT (TYPE-3)	Pay Item No. (BOQ)	2G-0305
Quantity Item		Unit The Control of t	Μ³

Asphalt base volume was computed using geometric formulas.

The volume was computed multiplying the area to the thickness of the course.

Zero decimal was computed for total.

References, Calculation Base and Revisions

References: Tender Drawings:

DW - PV - 00 - 001 General Plan of Povement Area

DW - PV - 00 - 004 Typical Section of Povement and Road.

(Some as Subgrade Preparation and Sublease Course)

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	ASPHALT CONCRETE PAVEMENT (TYPE-3)	Pay Item No. (BOQ)	26-0306
Quantity Item	TACK COATING	Unit	m²

Tack coating area was computed using geometric formulas.

Area was computed with zero decimal.

References, Calculation Base and Revisions

References: Tender Drowings:

DW - PV - 00 - 001 General Plan of Povement Area

(Some as "Subgrade Preparation")

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	QUANTITY CALCULATION C		·
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	ASPHALT CONCRETE PAVEMENT (TYPE-3)	Pay Item No. (BOQ)	29-0307
Quantity Item	SURFACE COURSE	Unit	yn 3

Surface course volume was computed using geometric formulas.

The volume was computed multiplying the area to the threeness of the course:

References, Calculation Base and Revisions

Refrences: Tender Drowings:

DW - PV - 00 - 001 General Plan of Povernent Area

DW - PV - 00 - 004 Typical Section of Povernent and Roads

(Some as "Subgrade Preparation and Subbase Course")

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QUANTITY CALCULATION COVER SHEET												
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001									
Work Section Title	MACADAM PAVEMENT (1) (TYPE4)	Pay Item No. (BOQ)	29-0401									
Quantity Item	SUBGRADE PREPARATION	Սnit	m ²									

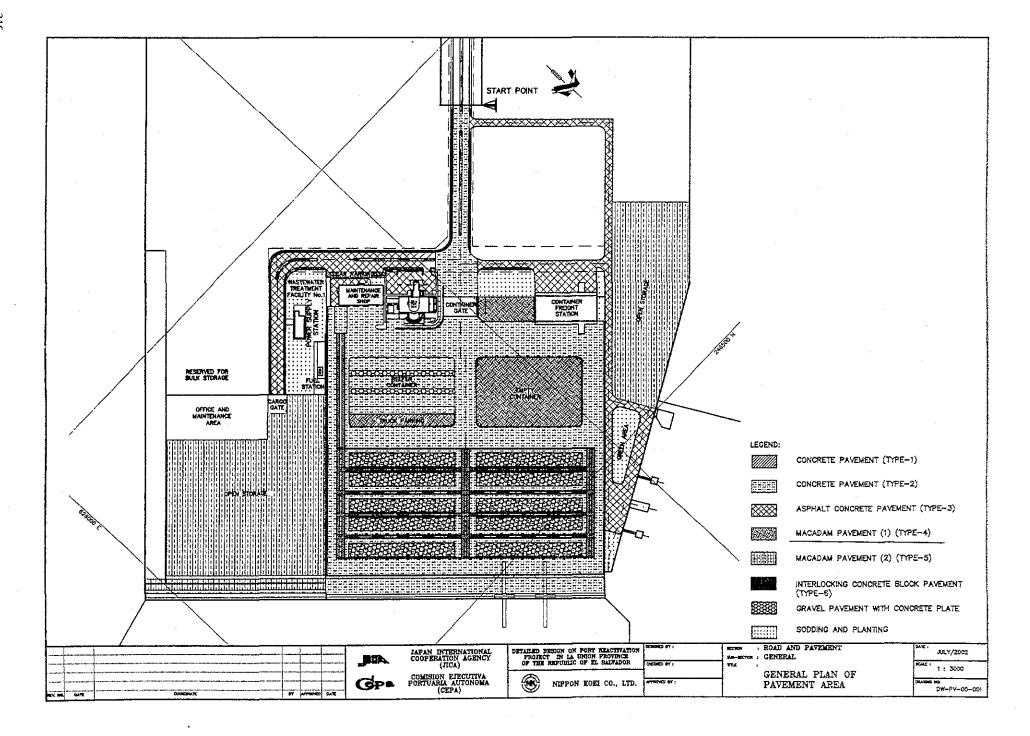
Pavement area was computed sectioning the perporation area into small section areas and using geometric formulas.

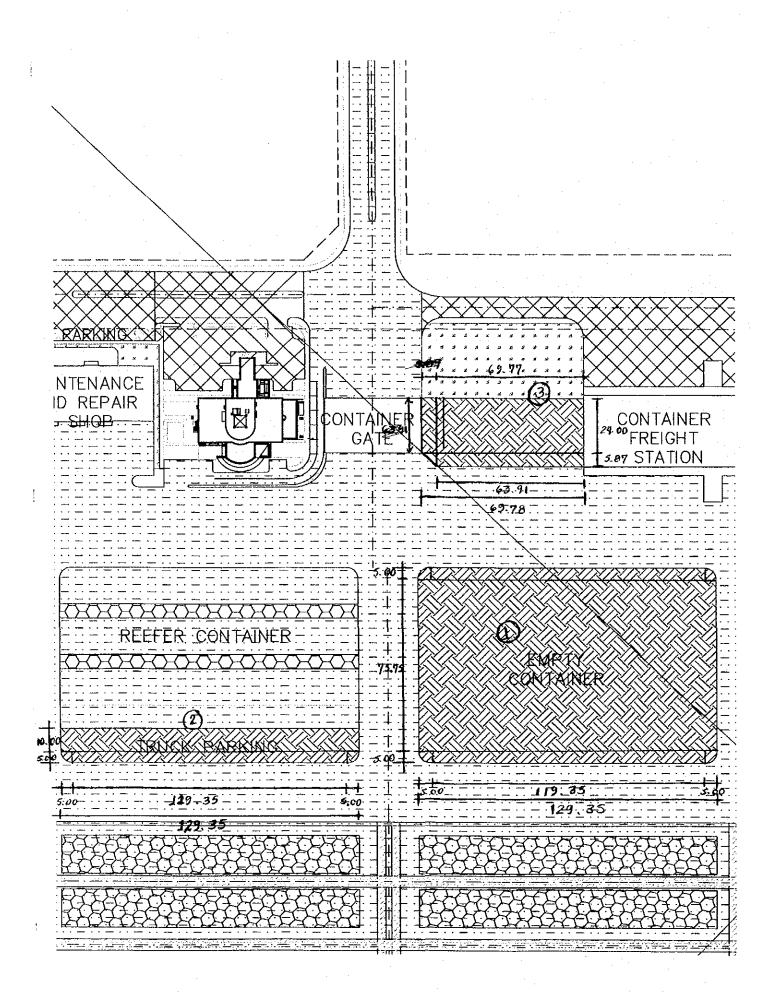
The grea was computed with two decimal for section area and zero duimal for total.

References, Calculation Base and Revisions

Refrences: Tender Drowings: 0W-PV-00-001 General Plan of Pavement Drea

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