	QUANTITY CALCULATION C	OVER SHEET	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	() type ditch (A-2)	Pay Item No. (BOQ)	2H060502
Quantity Item	Elas tich board	Unit	γη ²

Elas tigh board will be used as a joint, every 10 m.

References, Calculation Base and Revisions

See the item of excavation and disposal of Otype ditch.

(2H - 6605)

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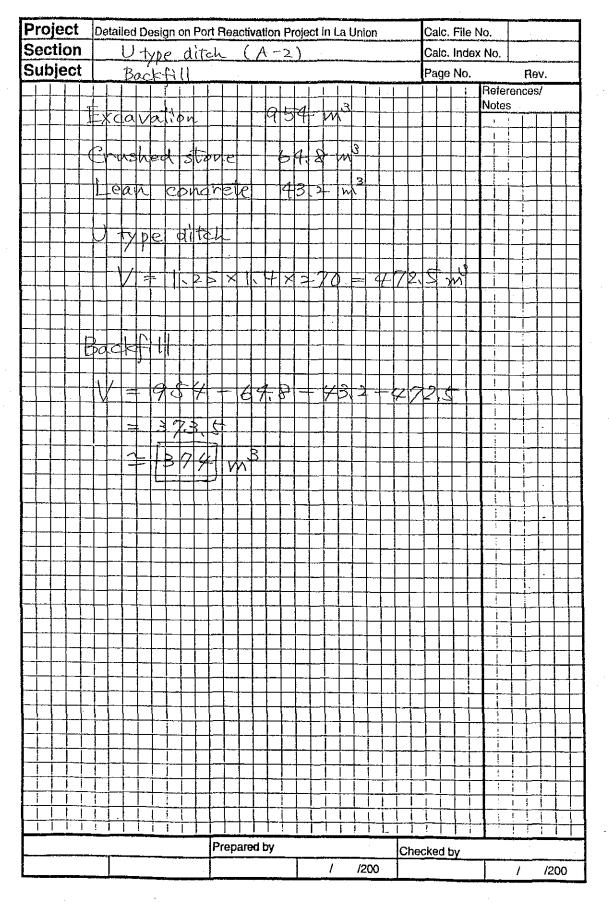
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	QUANTITY CALCULATION C	OVER SHEET	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	J type ditch (A-2)	Pay Item No. (BOQ)	2H-060509
Quantity Item	Backfill Backfill	Unit	m³.
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See the item of excavation and disposal of Citype differ

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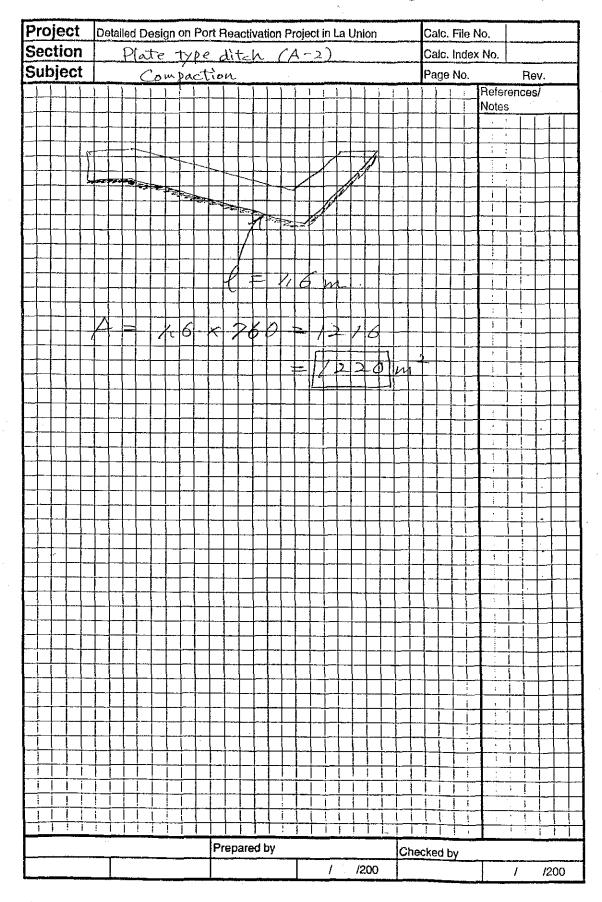
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	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Plate type ditch (A-2)	Pay Item No. (BOQ)	2H-060511
Quantity Item	Concrete	Unit	w ³

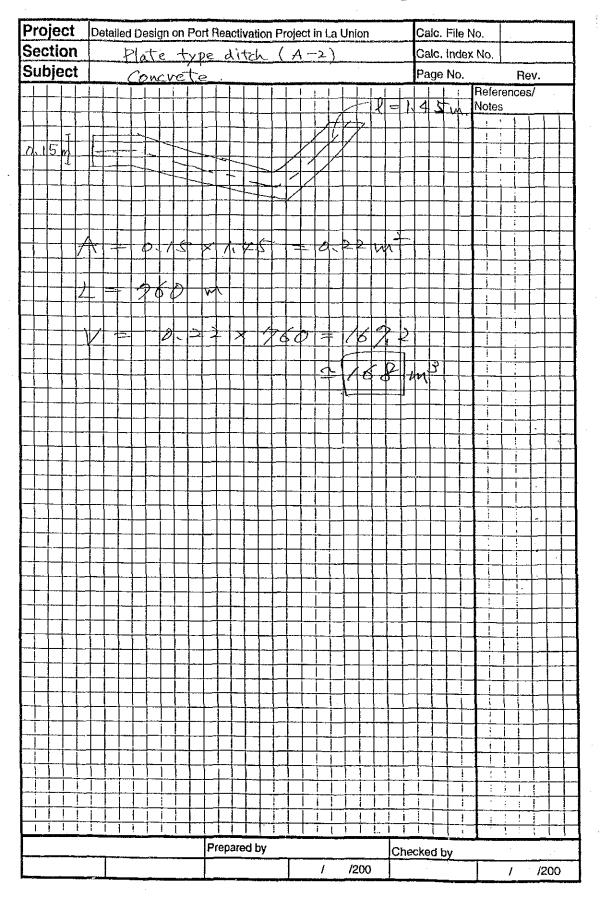
Volume of concrete for plate type action was computed by multiplying sectional area by the length.

References, Calculation Base and Revisions

See the item of excavation and disposal of Dipo ditch.

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Vertical drainage (A-2)	Pay Item No. (BOQ)	24-060512
Quantity Item	The state of the s	Unit	m^3

Excavation volume was computed by multiplying Volume/I spot by numbers.

References. Calculation Base and Revisions

See the item of excavation and disposal of Otype titch.
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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Vertical drainage (A-2)	Pay Item No. (BOQ)	2H-060513
Quantity Item	compaction	Unit	m².

Compaction area was computed by multiplying area/1spat numbers.

References, Calculation Base and Revisions

See the item of excavation and disposal of Otype dite.

(2H - 0605)

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Vertical drainage (A-2)	Pay Item No. (BOQ)	2H-060514
Quantity Item	torm	Unit	// [*]

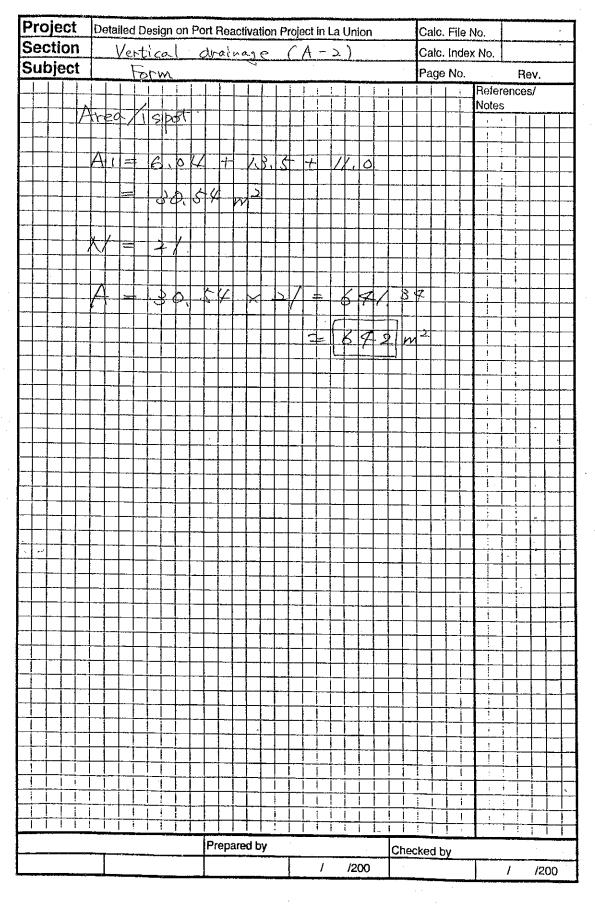
Area of form for vertical drainage was computed by multiplying area/spot by mumbers.

References, Calculation Base and Revisions

See the item of excavation and disposal of Otype ditch (2H-0605)

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Work Section Title	Vertical drainage (A-2)	Pay Item No. (BOQ)	2H-060515
Quantity Item	Concrete	Unit	M _≘ .

Volume of concrete for vertical drainage was someted by multiplying volume/spot by runniers.

References, Calculation Base and Revisions

See the item of excavation and disposal of Utype ditch. (2H-0605)

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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	Vertical drainage (A-2)	Pay Item No. (BOQ)	24-060516
Quantity Item	Backfill	Unit	м ^з

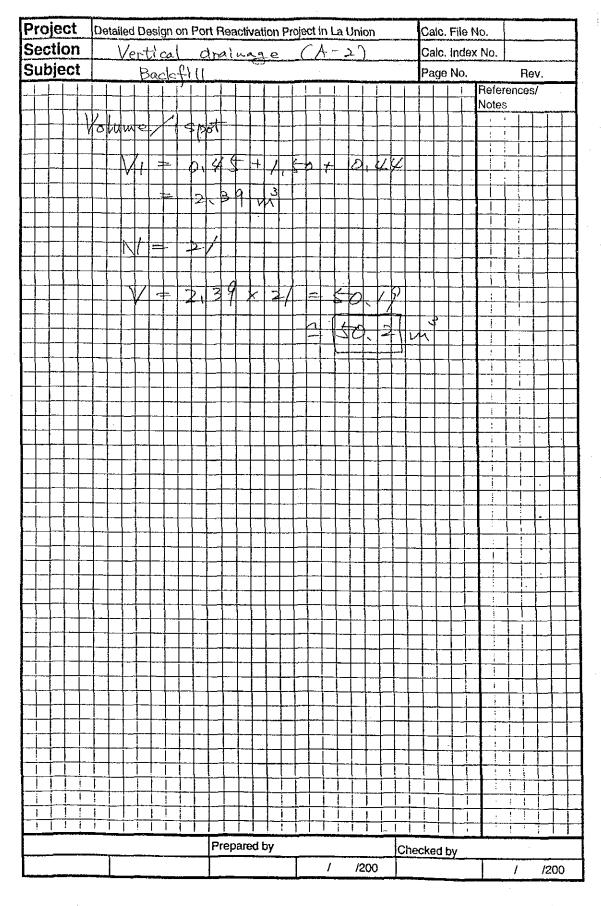
Bockfill volume for vertical drainage was computed by multiplying volume/ispot by numbers.

References. Calculation Base and Revisions

See the item of exacution and disposal of Utype ditch. (2H-0605)

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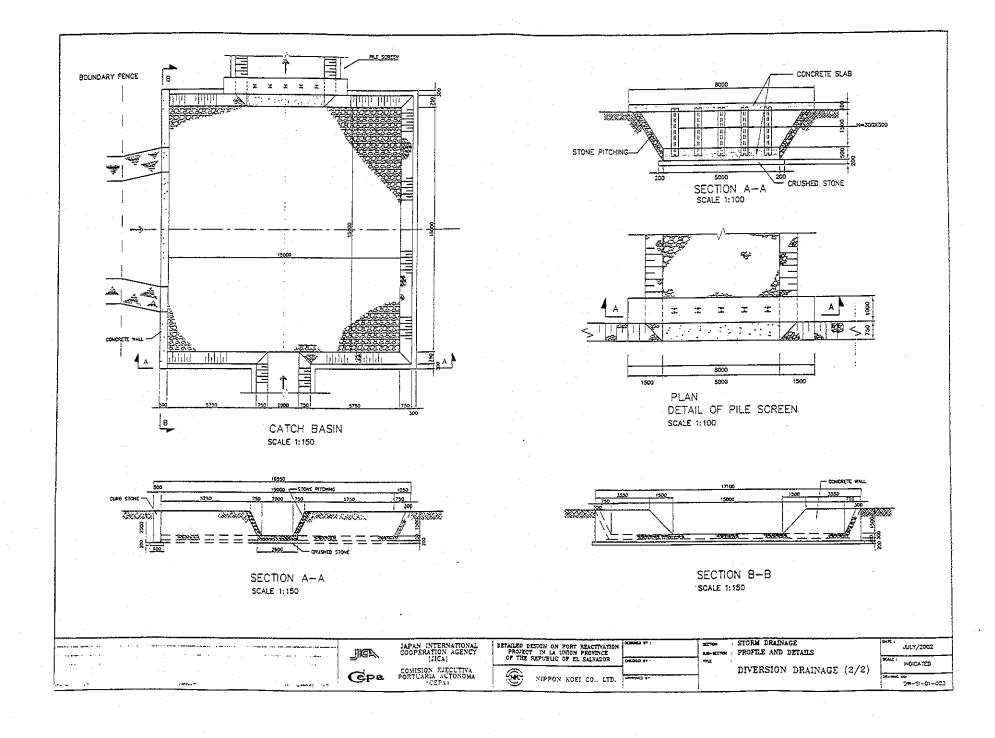
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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Catch basin	Pay Item No. (BOQ)	24-060601
Quantity Item	Excavation and Disposal	Unit	M ³ .

Volume of excavation for catch basin was computed by multiplying section area by width.

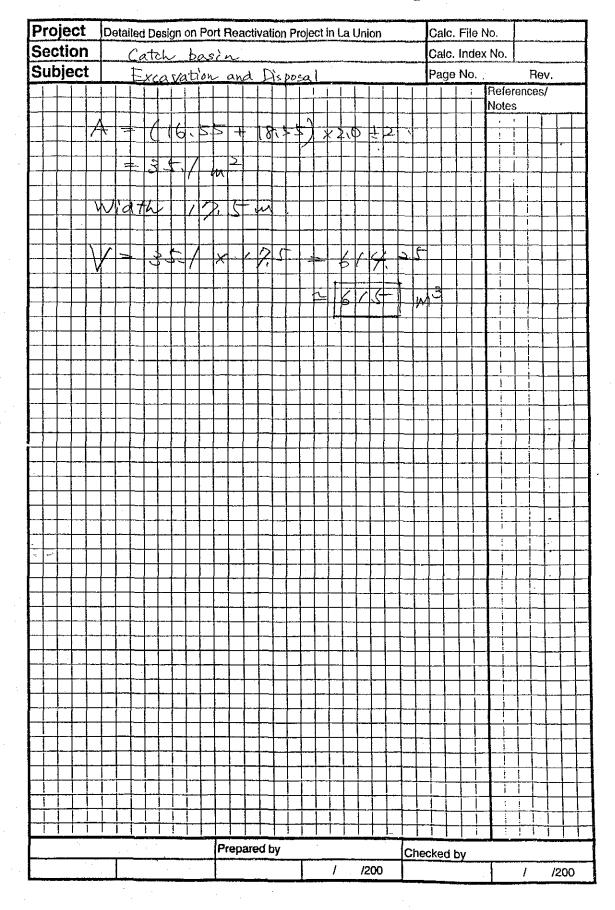
References, Calculation Base and Revisions

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001									
Work Section Title	Catch basin	Pay Item No. (BOQ)	2H-060602									
Quantity Item	Compaction	Unit	M,									

Area of compaction for catch basin was computed on the drawly

References, Calculation Base and Revisions

See the item of excavation and disposal of catch basin. (2H-0606)

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Catch basin	Pay Item No. (BOQ)	2H-060603
Quantity Item	Clay	Unit	м ³ .

Volume of clay for catch basin was computed by multiplying compaction area by thickness.

References, Calculation Base and Revisions

See the item of excavation and disposal of catch basin. (2H-0606)

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Catch Basin	Pay Item No. (BOQ)	2H-060604
Quantity Item	Rubble.	Unit	M3 ·

Volume of rubble for catch basin was computed on the drawing.

References, Calculation Base and Revisions

See the Item of excavation and disposal of catch basin. (2H-0606)

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	QUANTITY CALCULATION C	OVER SHEET	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Catch basin	Pay Item No. (BOQ)	2H-060605
Quantity Item	Masonny cement	Unit	Mg .

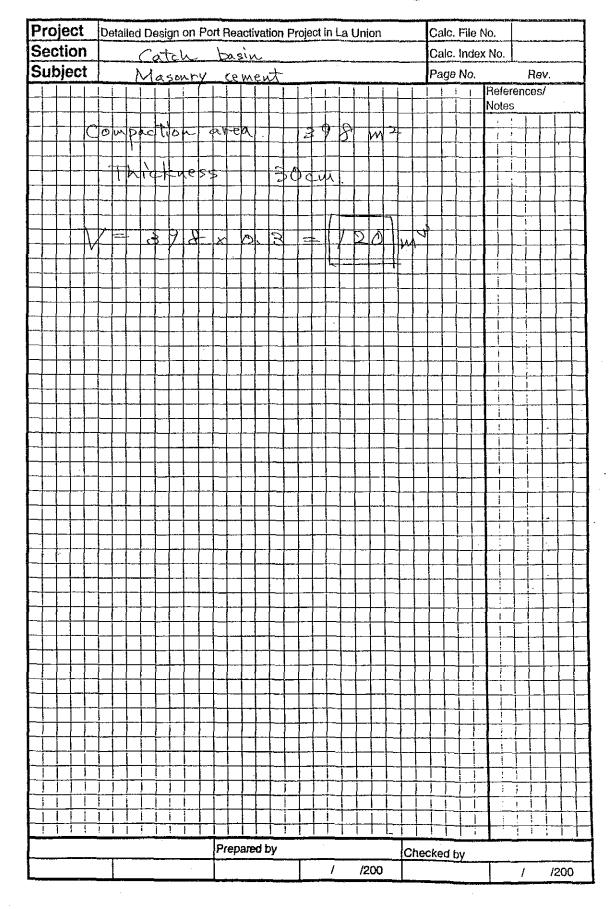
Volume of masonry cement for catch basin was computed by multiplying compaction area by thickness.

References, Calculation Base and Revisions

See the item of excavation and disposal of catch basin. (2H-0606)

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•	QUANTITY CALCULATION C	OVER SHEET	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Catch basin	Pay Item No. (BOQ)	24-060606
Quantity Item	H shaped steel	Unit	12

Weight of Hshaped steel was computed on the drawing.

References. Calculation Base and Revisions

See the Item of excavation and disposal of catch basin.

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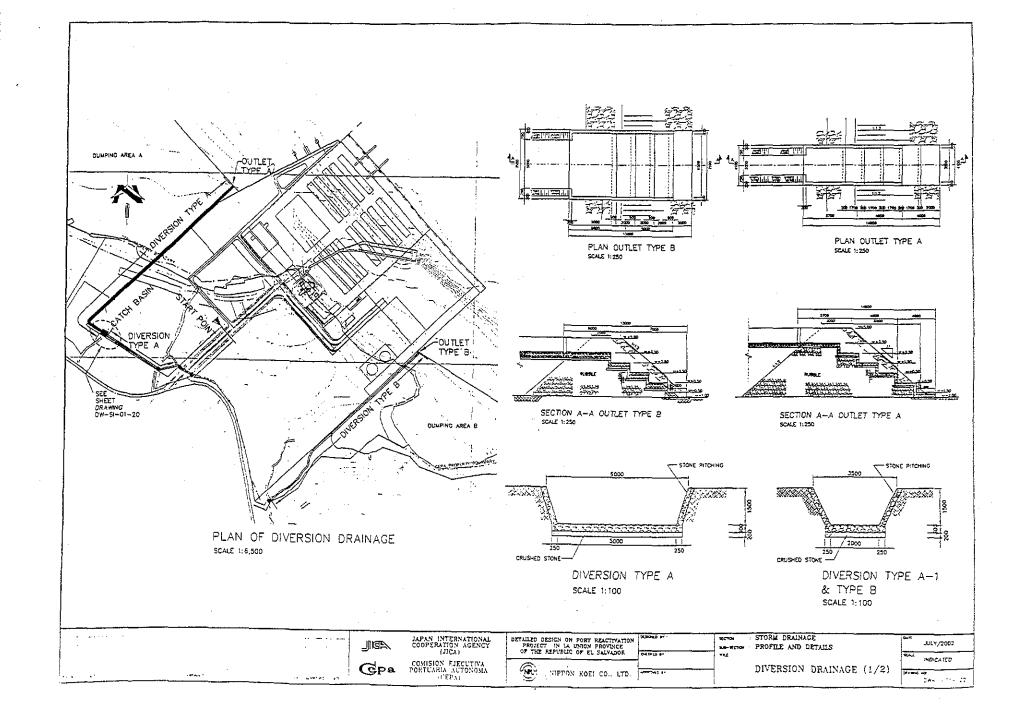
	QUANTITY CALCULATION C	OVER SHEET	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Diversion canal type B	Pay Item No. (BOQ)	24-0701
Quantity Item	gen.	Unit	m³

Volume of excavation was computed by multiplying section area by length.

References, Calculation Base and Revisions

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Diversion canal type B	Pay Item No. (BOQ)	241-07020/
Quantity Item	Compaction	Unit	. m ²

Area of compaction was computed by multiplying section ength by length.

References, Calculation Base and Revisions

See the item of excavation and disposal.

(2H-0701)

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Diversion canal type B	Pay Item No. (BOQ)	24-070202
Quantity Item	Clay	Unit	м3

Volume of clay was computed by multiplying compaction area by thickness.

References, Calculation Base and Revisions

See the Item of excavation and disposal.

(2H-0701)

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Diversion canal type B	Pay Item No. (BOQ)	24-070203
Quantity Item	Rubble.	Unit	m^3

Volume of rubble was computed by multiplying section area by length.

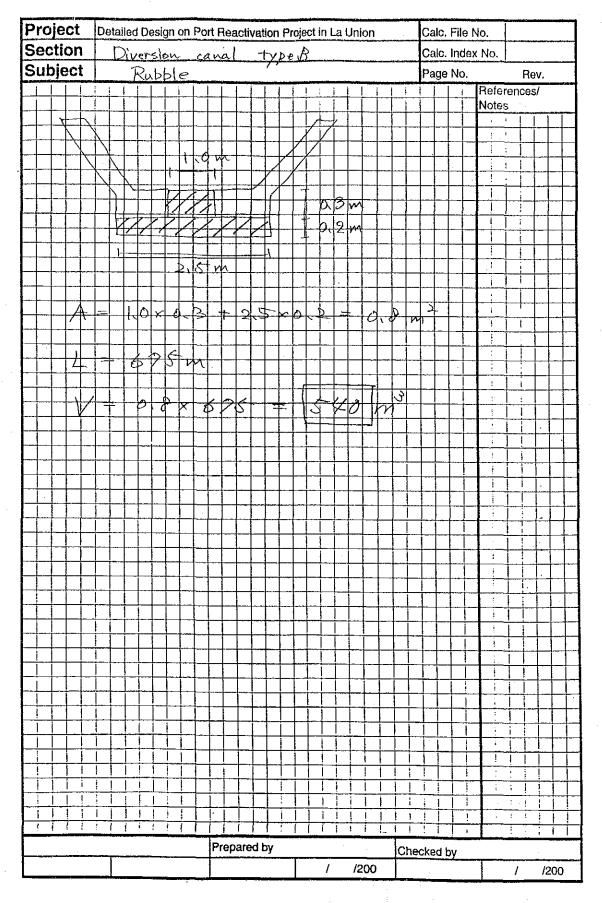
References, Calculation Base and Revisions

See the item of excavation and disposal.

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Diversion canal type B	Pay Item No. (BOQ)	2H-070204
Quantity Item	Masonny cement	Unit	m ³

Volume of masonry cement was computed by multiplying section area by length.

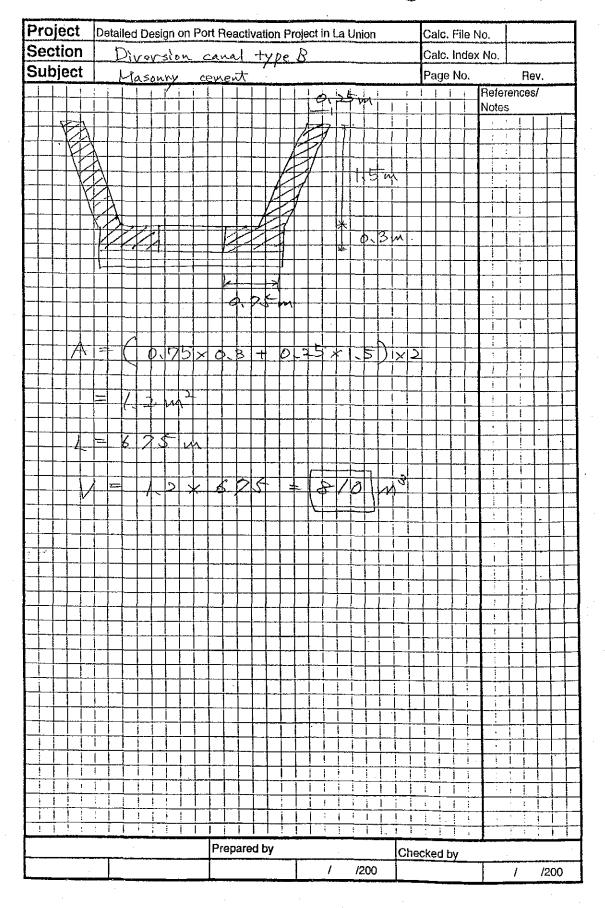
References, Calculation Base and Revisions

See the item of excavation and disposal.

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	QUANTITY CALCULATION C	OVER SHEET	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Outlet type B	Pay Item No. (BOQ)	2H-07030/
Quantity Item	Excavation and Disposal	Unit	m ³

Volume of excavation for outlet type B was computed by multiplying section area by width.

References, Calculation Base and Revisions

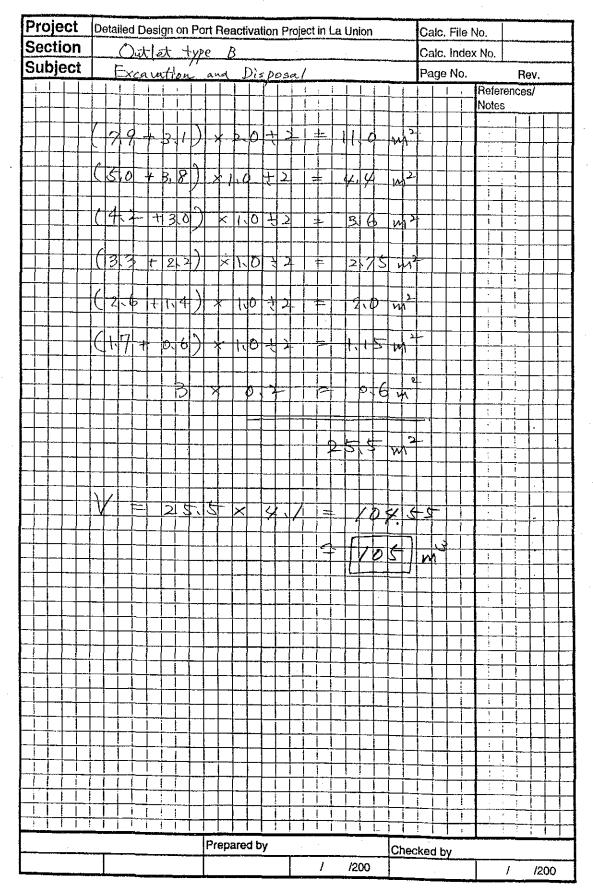
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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Outlet type B	Pay Item No. (BOQ)	2H-070302
Quantity Item	Compaction	Unit	M².

Area of compaction for outlet type B was computed by multiplying compaction length by width.

References, Calculation Base and Revisions

See the item of excavation and disposal.

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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	Outlet type B	Pay Item No. (BOQ)	2H-070303
Quantity Item	Clay '	Unit	и1 ³

Volume of ciay for outlet type & was computed by multiplying compaction area by thickness.

References, Calculation Base and Revisions

See the item of excavation and disposal.

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Outlet type B	Pay Item No. (BOQ)	2H-070304
Quantity Item	Rubble	Unit	M₃ .

Volume of rubble for outlet type B was computed by multiplying Section area by width.

References, Calculation Base and Revisions

See the item of excavation and disposal.

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Outlet type B	Pay Item No. (BOQ)	2H-070305
Quantity Item	Masonry rement	Unit	M³ ·

Volume of masonry cement was computed by multiplying section area by width.

See the item of excavation and disposal. (2H-0701)

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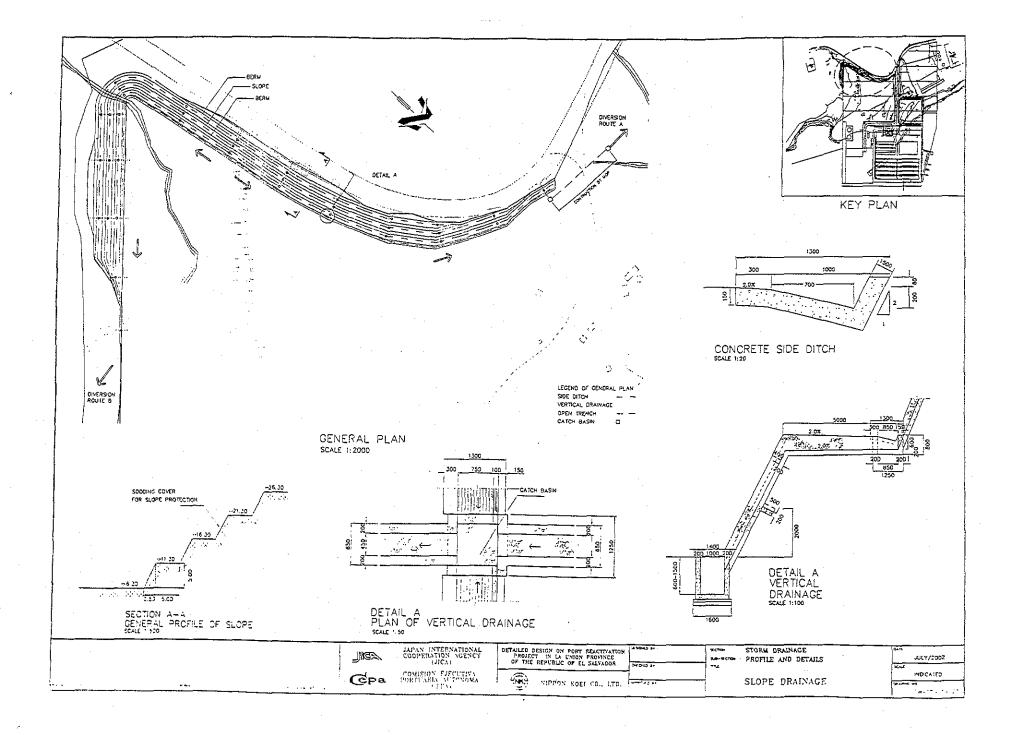
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Excavation volume for U type ditch was compared by multiplying sectional area by the length.

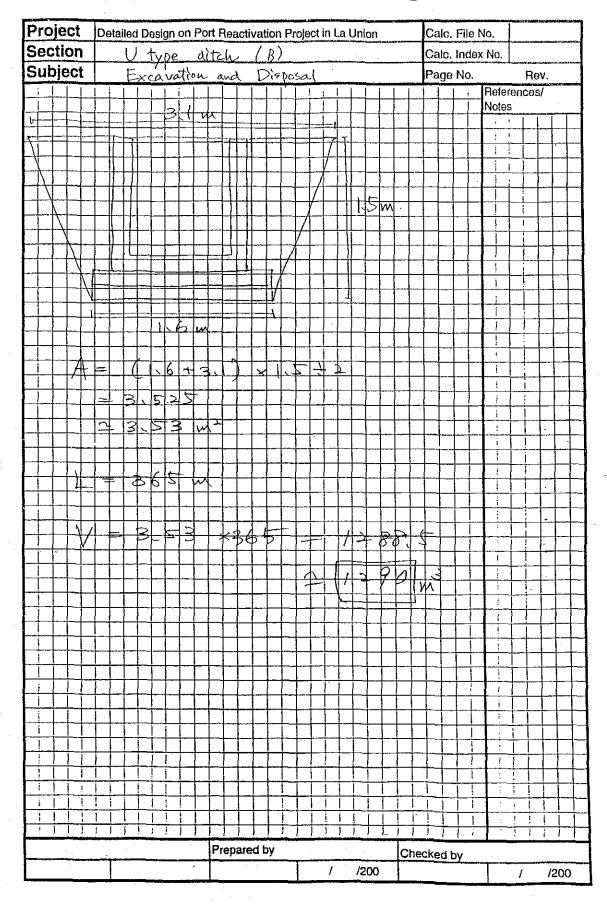
References, Calculation Base and Revisions

DW-SD-01- 020

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NIPPON KOEI CO, LTD.



	QUANTITY CALCULATION C	OVER SHEET	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	U type ditch (B)	Pay Item No. (BOQ)	2H-070402
Quantity Item	Compaction	Unit	M2.

Compaction area for Utype ditch was computed by multiplying width by length.

References, Calculation Base and Revisions

See the item of excavation and disposal of Utype ditch.

(2H-0704)

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Utype ditch (B)	Pay Item No. (BOQ)	2H-070403
Quantity Item	Crushed stone	Unit	7/A ³

Volume of crushed stone was computed by multiplying sectional area by the length.

References, Calculation Base and Revisions

See the item of excavation and disposal of Utype ditch. (2H-0704)

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	QUANTITY CALCULATION C	OVER SHEET	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	U type ditch (B)	Pay Item No. (BOQ)	2H-070404
Quantity Item	Léan concrete	Unit	M ₃

Volume of lean concrete was computed by multiplying sectional area by the length.

References, Calculation Base and Revisions

See the item of excavation and disposal of Utype ditch. (2H-0704)

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	QUANTITY CALCULATION C	OVER SHEET	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Utype ditch (B)	Pay Item No. (BOQ)	24-070405
Quantity Item	torm	Unit	w ₁

Area of form for Utype ditch was computed by multiplying sectional length by the length.

References, Calculation Base and Revisions

See the item of excavation and disposal of Utype ditch. (2H-0704)

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	QUANTITY CALCULATION C	OVER SHEET	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	U type ditch (B)	Pay Item No. (BOQ)	2H-070406
Quantity Item	Reinforcement	Unit	₹a .

Weight of reinforcement was computed by multiplying unit weight by the length.

References, Calculation Base and Revisions

See the item of excavation and disposal of U type ditch. (2H-0704)

Rev	Prepared		No. of	Checked		Reviewed		Superseded
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TABLE OF REINFORCEMENT (DIVERSION)

No.	D	L (m)	Qty	W/bar (kg)	W (kg)	Remarks
Diversion	(per 1m)					
A1	D13	3.20	5	3.184	15.92	
A2	D13	1.00	17	0.995	16.92	
		·				
				total/m	32.84	
			L=270m	total	8,870	
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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	Utype aitch (B)	Pay Item No. (BOQ)	2H-0704.07				
Quantity Item	Concrete	Unit	W.3				

Concrete volume was computed by multiplying sectional area by the length.

References, Calculation Base and Revisions

See the item of excavation and disposal of Utype ditch. (2H-0704)

Rev	Prepared		No. of	Checked		Reviewed		Superseded		
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