QUANTITY CALCULATION COVER SHEET								
Project Detailed Design on Port Reactivation Project project Code in La Union Province								
Work Section Title	Excavation for reclamation from Zone B	Pay Item No. (BOQ)						
Quantity Item Unit cubic meter								

Calculation Procedure Applied

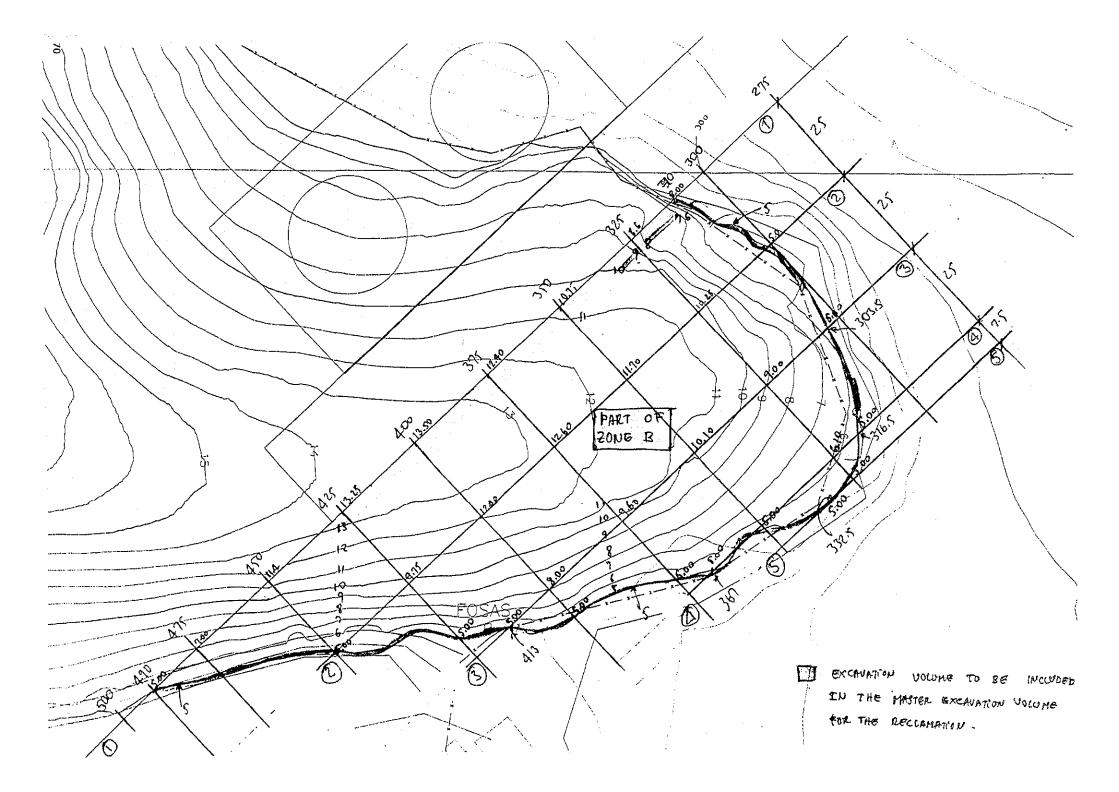
- 1. Calculation of area of sections (Excel)
- 2. Average Area of Sections (Excel)
- 3. Calculation of volume: average of area of sections times distance between sections (Excel)

References, Calculation Base and Revisions

- Area and Volume have been calculated starting from section 1 to section 5, in accordance to enclosed drawing.
- 2. The final elevation after excavation shall be +5.00 meters.

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VOLUME OF EXCAVATION FOR RECLAMATION FROM ZONE B June 18/2002

SECTION N°	AREA	AVERAGE AREA OF 2 SECTIONS		DISTANCE BETWEEN SECTIONS	VOLUME
1	1,019.50			8 8 8 8	1 1 1
		901.00		25.00	22,525
2	782.50				
		587.50		25.00	14,688
3	392.50				
		205.60		25.00	5,140
4	18.70				
		9,35		7.50	70
5	0.00				
VOL	IME OF EXCAV	ATION FOR RE	CLAMATION F	ROM ZONE B:	42,423

Planned elevation	Natural ground	Difference of	Average of		1	
	elevation	elevation: c⇒ b-a	elevations	Width: d	area:e⇒c'd	

Section N°

distance	а	b.	С	C'	d	е
			1			
310	5.00	5.00	0.00			1.
The state of the				1.80	15.00	27,00
325	5.00	8.60	3,60			
		A	1 1	4.68	25.00	116.88
350	5.00	10.75	5.75			
				6.58	25.00	164.38
375	5.00	12.40	7.40			
		100		7.95	25.00	198.75
400	5.00	13.50	8.50			
				8.38	25.00	209,38
425	5.00	13.25	8.25			
				7.33	25.00	183.13
450	5.00	11.40	6.40			
100				4.20	25.00	105.00
475	5.00	7.00	2.00			
		444	* ·	1.00	15.00	15.00
490	5.00	5.00	0.00			
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1,019.50 m²

Planned elevation	Natural ground	Difference of	Average of		
	elevation	elevation: c= b-a	elevations	Width: d	area: e≂ c'd

Section N°

	·				4 (1)	1000
distance	â	b	C	c'	d	е
	. 1					· · · · · · · · · · · · · · · · · · ·
300	5.00	5.00	0.00			100
				2.63	25.00	65.63
325	5.00	10.25	5.25	1		
				5,98	25.00	149.38
350	5.00	11.70	6.70			
		7		7.15	25.00	178.75
375	5.00	12.60	7.60			
				7.30	25.00	182.50
400	5.00	12.00	7.00			
				5.88	25.00	146.88
425	5,00	9.75	4.75			
				2.38	25.00	59.38
450	5.00	5.00	0.00			
					1 1 1 1 1 1	

782.50 m²

Planned elevation	Natural ground	Difference of	Average of		
	elevation	elevation: c= b-a	elevations	Width: d	area: e= c*d

Section N° 3

distance	а	р	c	c'	d	е
1 1 1 1 1 1						
303.5	5.00	5.00	0.00			
				2.00	21.50	43.00
325	5,00	9.00	4.00			
				4.55	25.00	113.75
350	5,00	10.10	5.10			
		1.		4.85	25.00	121.25
375	5.00	9.60	4.60			
				3.80	25.00	95.00
400	5.00 5	8.00	3.00			
				1.50	13.00	19.50
413	5.00	5,00	0.00			
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392.50 m²

Planned elevation	Natural ground	Difference of	Average of		
:	elevation	elevation: c= b-a	elevations	Width: d	area: e= c'd

Section N°

distance	a	b	c	c'	d	e
			1			
316.5	5.00	5.00	0.00			
		V		0,55	9.00	4.95
325	5.00	6.10	1.10			
				0.55	25.00	13,75
350	5,00	5.00	0.00			
				0.00	25.00	0.00
367	5.00	5.00	0.00			1.5
				2.14		
			T			

AREA OF SECTION:

18.70 m²

Planned elevation	Natural ground	Difference of	Average of		
	elevation	elevation: c= b-a	elevations	Width; d	area: e≃ c'd

Section N° 5

distance	a	b	C	c'	d	е
325	5.00	5.00	0.00			
4.6	1.00			0.00	24.00	0,0
332.5	5.00	5.00	0.00			

AREA OF SECTION:

 $0.00\;\mathrm{m^2}$

	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Land Reclamation	Pay Item No. (BOQ)	
Quantity Item	Removal of Surface Soil	Unit	Mg.

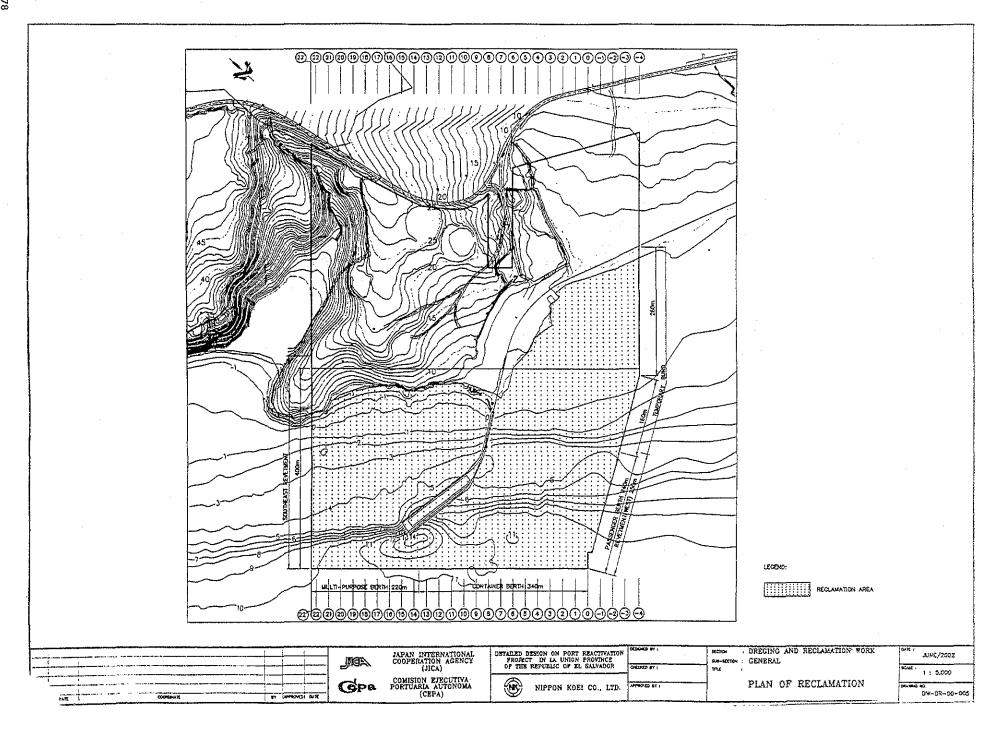
Calculation Procedure Applied

Removal of Surface Soil was computed for Excavation area. The area was computed in AutoCAD and multiplied by 0.35 m.

References, Calculation Base and Revisions

DW-DR-00-005

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Land Reclamation	Pay Item No. (BOQ)	2F-020/
Quantity Item	Reclamation Area	Unit	м _д .

Calculation Procedure Applied

(by Dredged material.)

Excavated material and dredged material will be used for land reclamation. So, reclamation volume by dredged material was computed as the dedaction of excavated volume from reclamation volume.

References, Calculation Base and Revisions

See the last item of fill material supply (2F-01)

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<u> </u>	++	- -	_	! 		_	<u> </u>	<u> </u> i	-	1	<u> </u>	-	<u> </u>	<u> </u>	<u> </u>	<u>:</u>		!	<u>:</u>	1	<u>i</u>	<u> </u>	!	;	1	-	1			!	1	1
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	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	
Work Section Title	Reclamation Work	Pay Item No. (BOQ)	
Quantity Item	Land reclamation	Unit	cubic meter

Calculation Procedure Applied

- 1. Calculation of Area of sections (Excel).
- 2. Average Area of Sections (Excel).
- 3. Calculation of volume: Average of area of sections times distance between sections (Excel).
- 4. Three groups of volumes (as described below) where calculated to obtain the final volume of reclamation.

References. Calculation Base and Revisions

- 1. Area and Volume have been calculated starting from section -4 to section 22', in accordance with the Reclamation and Excavation Plan No. DW-RD-00-05.
- 2. Design Information:

Height of reclamation: +4.50 meters

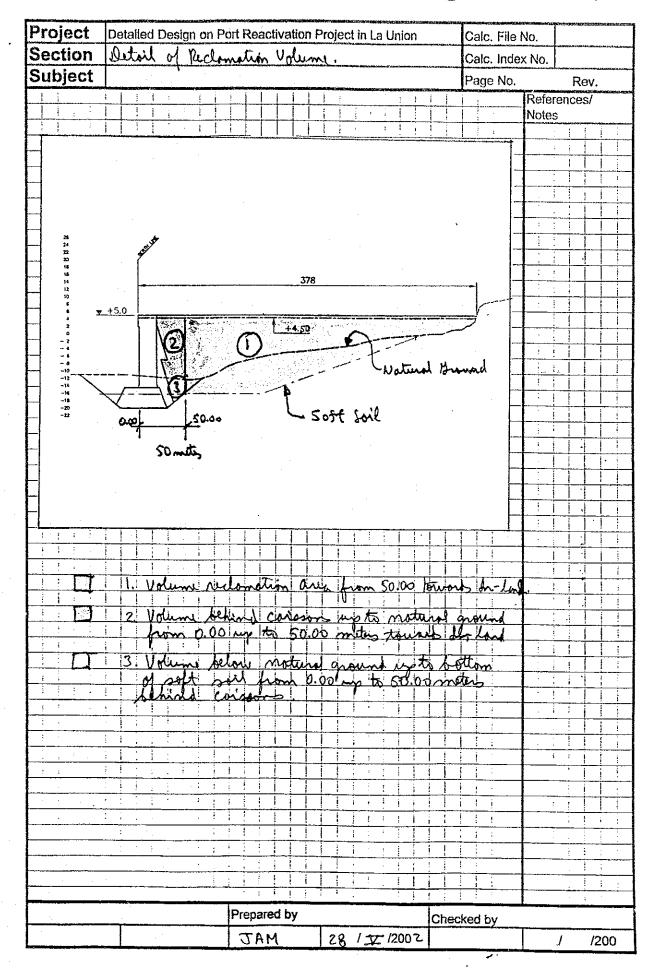
- The major Volume of Reclamation was calculated starting at 50 meters measured from the side of the Caissons that touches the sea towards in-land.
- 4. The next volume of reclamation was calculated between the Caissons up to 50 meters towards in-land.

Rev	Prep	pared	No. of	Chec	ked	Revie	ewed	Superseded
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	QUANTITY C	ALCULA	TION CO	VER SHE	ET	
Project	Detailed Design on Po in La Unio	ort Reactivation Province	n Project Pr	oject Code		
Work Section Title	Reclamation Work		Pa	ay Item No. (E	30Q)	
Quantity Item	Land reclamation		Uı	nit	cu	bic meter
Calculation Proced	lure Applied				<u> </u>	
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References, Calcul	lation Base and Revision	<u>ns</u>				
5. Also the volu	ume of reclamation below	natural groun	d (excavatio	n to be done f	or construction	on
purpose of	caissons) behind caisson	s was calculat	ted.			
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VOLUME RECLAMATION AREA

JULY 10/2002

INCLUDING SOFT SOIL RECLAMATION

SECTION N°	AREA	AVERAGE AREA OF 2 SECTIONS	DISTANCE BETWEEN SECTIONS	VOLUME
			· · ·	
-4	941.46	1 400 75	00.70	40.040
-3	2,036.05	1,488.75	28.78	42,846
		2,778.12	25.00	69,453
-2	3,520.19			
	5 004 00	4,406.00	25.00	110,150
	5,291.80	6,044.88	25.00	151,122
0	6,797.96	0,044,00	, 25.00	131,122
		6,624.91	25.00	165,623
1 1	6,451.87			
2	6,243.10	6,347.48	25.00	158,687
	0,240.10	6,112.55	25.00	152,814
3	5,982.00			102,014
<u> </u>		5,930.79	25.00	148,270
4	5,879.58	E 000 60	67.00	1000
5	4,825.80	5,352.69	25.00	133,817
	1,020,00	4,364.39	25.00	109,110
- 6	3,902.97			
-		3,861.08	25.00	96,527
7	3,819.18	3,715.97	25.00	00.000
8	3,612.75	0,7 (0.87)	23.00	92,899
		3,669.38	25.00	91,734
9	3,726.00			
10	2 995 62	3,805.81	25.00	95,145
	3,885.63	3,901.13	25.00	97,528
11	3,916.63	0,001.10	25.00	37,328
		4,001.67	25.00	100,042
12	4,086.72	7770	70.00	
13	4,258.02	4,172.37	25.00	104,309
	4,200.02	4,274.17	25.00	106,854
14	4,290.32			,00.1
4=	1 222 42	4,179.25	25.00	104,481
15	4,068.19	3,899.12	05.00	07.470
16	3,730.05	0,055,12	25.00	97,478
		3,604.73	25.00	90,118
17	3,479.40			
18	3 240 50	3,397,95	25.00	84,949
	3,316.50	3,279.14	25.00	81,978
19	3,241.78		25.00	01,378
		3,222.55	25.00	80,564
	3,203.33	9 040 40		
21	3,235.51	3,219.42	25.00	80,485
	_,200.01	3,274.32	25.00	81,858
22	3,313.13			
201	4.050.40	3,785.81	10.00	37,858
22'	4,258.49			
VOI	LISSE DECLAR	AATION ADEA (from 50.00 towards in-land) :	2.766.700

VOLUME RECLAMATION AREA (from 50.00 towards in-land): 2,766,700 m³

PLUS VOLUME BEHIND CAISSONS (up to natural ground from 0.00 up to 50.00 towards in-land): 207,389 m³

VOLUME BELOW NATURAL GROUND UP TO BOTTOM OF SOF SOIL FROM 0.00-50.00 BEHIND CAISSONS: 57,553 m³

MINUS VOLUME OF WEST REVEMENT THAT GOES INTO RECLAMATION AREA: 0 m³

GRAN TOTAL: 3,031,642 m³

Bottom elevation Difference of Average of Including soft soil = a Final Elevation; b elevation: c= b-a elevations Width: d area; e≈ c*d

Section N° -4

distance	a	b	C	c'	d	e
	 	ļ	ļ			
	 	ļ	<u> </u>	ļ	ļ- -	
	 	 	 		 	
385	-1.62	4.50	6.12	 	 	
				5.73	15.00	85.9
400	-0.84	4.50	5.34			
		ļ., <u>—</u>		5,18	25.00	129.
425	-0.38	4.63	5.01			
·	<u> </u>	<u> </u>		4.88	25.00	122.0
450	0.00	4.75	4.75			
	ļ		[4.40	25.00	110.0
475	0.83	4.88	4.05		l	
500	1.73		ļ	3,66	25.00	91.5
500	1./3	5.00	3.27	0.04		
525	1.99	5,13	3,14	3.21	25.00	80,
323	1.55	3.13	3,14	3.51	25.00	87.6
550	1.38	5.25	3.87	3,31	25.00	67.0
		1		3.70	25.00	92.
575	1.85	5.38	3.53		20.00	
	1			3.11	25.00	77.1
600	2.82	5.50	2.68			
		[2.01	25.00	50.
625	4.30	5.63	1.33			
				0.67	22.00	14.0
647	5.74	5.74	0.00			
. <u></u>	<u> </u>					
		<u> </u>	<u> </u>			
	<u> </u>	1	<u> </u>	L		

AREA OF SECTION:

941.46 m²

86

Bottom elevation		Difference of	Average of		
including soft soil = a	Final Elevation: b	elevation; c≕ b-a	elevations	Width: d	area: e= c*d

Section N°

distance		Т	r 	T c'	 	
uistance	a	D	Ç	- C	<u> </u>	e
					 -	
280	-11.00	4.50	15.50	 		
200	-11.00	4.50	15.50	14.71	00.00	0047
300	0.40	4.50	40.00	14./1	20.00	294.2
300	-9.42	4.50	13.92	10.55	05.00	546.6
005	0.07	4.50	44.49	12.55	25.00	313.6
325	-6.67	4.50	11.17		05.00	
050	0.00			9.80	25.00	244.8
350	-3.92	4.50	8.42			
		ļ		7.42	25.00	185.5
375	-1.92	4.50	6.42	- 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
				5.88	25.00 i	147.0
400	-0.84	4.50	5.34	<u> </u>		
	* *		200	5.18	25.00	129.3
425	-0.38	4.63	5.01	<u> </u>		4
				4.88	25.00 !	122.0
450	0.00	4.75	4.75		1	
			4 - 4 - 4	4.40	25.00	110.0
475	0.83	4.88	4.05		-	
				3.66	25.00	91.5
500	1.73	5.00	3.27			
				3.21	25.00	80.1
525	1.99	5.13	3.14			
				3.51	25.00	87.6
550	1.38	5.25	3.87		ī	
and the second second				3.70	25.00	92.8
575	1.85	5.38	3.53			
		1.55		3.11	25.00	77.6
600	2.82	5.50	2.68			11 14 14
				2.01	25.00	50.1
625	4.30	5.63	1.33		1	
				0.67	15.00	9.9
640	5.70	5.70	0.00	 	1	
			0.00	<u> </u>	i	. :
		 		-	: 1	
		 	 	 		
		+		+		
		 	ļ			•
		 	<u> </u>	·	ļ	

2,036.05 m²

Bottom 6levation	***************************************	Difference of	Average of		
including soft soil = a	Final Elevation: b	elevation; c= b-a	elevations	Width: d	area: e≂ c*d

Section N° -2.00

distance	a	b	С	C,	d	е
	1	 	<u> </u>			
	 	4.55				_
187	-15.35	4.50	19.85		<u> </u>	· · · · · · · · · · · · · · · · · · ·
	48.55		<u> </u>	19.68	13.00	255.78
200	-15.00	4.50	19.50			<u> </u>
- Ann	40.00	4.55	 	18.84	25.00	470.88
225	-13.67	4.50	18.17			
050	40.55		·	17.51	25.00	437.75
250	-12.35	4.50	16.85			100
	ļ			16.19	25.00	404.63
275	-11.02	4.50	15.52	1 2 2 2 2 2		<u> </u>
				14.86	25.00	371.50
300	-9.70	4.50	14.20			
				12.31	25.00	307.75
325	-5.92	4.50	10.42	1 1		
				8.54	25.00	213,38
350	-2.15	4.50	6.65			
				6.12	25.00	152,88
375	-1.08	4.50	5.58			
<u> </u>			<u> </u>	5.33	25.00	133.25
400	-0.58	4.50	5.08			
<u> </u>		<u> </u>		4.98	25.00	124.38
425	0.12	4.75	4.87			
				4.26	25.00	106.38
450	1.24	4.88	3.64			7 7 7
 	1			3.37	25.00	84.13
475	1.91	5.00	3.09			
		85.2		3.03	25.00	75.63
500	2.17	5.13	2.96]		
				3.28	25.00	81.88
525	1.66	5.25	3.59			
				3.71	25.00	92.75
550	1.55	5.38	3.83			
		1, 1		3.59	25.00	89.75
575	2.15	5.50	3.35			~
H. 15		1000		2,84	25.00	71.00
600	3.30	5.63	2.33			
				1.81	25.00	45.25
625	4.46	5.75	1.29			
	1			0.65	2.00	1.29
627	5.64	5.64	0.00			
	1.0			<u> </u>		

3,520.19 m²

Bottom elevation		Difference of	Average of		
including soft soil = a	Final Elevation: b		elevations	Width; d	area: e= c d

Section N° -1

diatanaa		L .		,		
distance	а	<u> b</u>	C	c'	q	6
	- :		`			
93	-18.41	4.50	22.91	 		
	-10.41	4.50	22.91	00.40	00.00	710.0
125	-17.38	4.50	01.00	22.40	32.00	716.6
123	-17.36	4.50	21.88		05.00	
150	-16,53	4.50	21.03	21.46	25.00	536.3
100	-10,55	4.50	21.03	20.44	05.00	
175	-15.35	4.50	19.85	20,44	25.00	511.0
	10,00	4.50	15.05	19.27	25.00	
200	-14.18	4.50	18.68	19.27	25.00	481.6
	14.10	4.50	10.00	18.10	25.00	4F0 0
225	-13.01	4.50	17.51	10.10	25.00	452.38
	10.01	4.50	17.51	16.93	25.00	400.44
250	-11.84	4.50	16.34	10.93	25.00	423, 13
	11,04	4.30	10.04	15.76	25.00	200.00
275	-10.67	4.50	15.17	15.76	25.00	393,88
2,0	10.07	4.50	10.17	14.59	25.00	364.63
300	-9.50	4.50	14.00	14.00	23.00	304,0
	0.00		14.00	11.37	25.00	284.10
325	-4.23	4.50	8.73	11.07	23.00	204.13
				7.68	25,00	192.00
350	-2.13	4.50	6.63	1.00	13.50	102.00
				5.95	25.00	148.75
375	-0.77	4.50	5.27	3.33	23.00	140.73
				5.09	25.00	127.13
400	-0.40	4.50	4.90	1 3.55	20.00	121.10
				4.67	25.00	116.75
425	0.19	4.63	4.44	1.07	20.00	110.75
				3.53	25.00	88.13
450	2.14	4.75	2.61	0.00	20.00	00.10
	4.			2.54	25.00	63.38
475	2.42	4.88	2.46		20,00	00,00
	.			2.84	25.00	70.88
500	1.79	5.00	3.21		20.00	70.00
	-			3.52	25.00	87.88
525	1.31	5.13	3.82	20.00		57.00
1.0	4.4			3.63	25.00	90,63
550	1.82	5.25	3.43			
				3.18	25.00	79.50
575	2.45	5.38	2.93	1		
				2.16	25.00	54.00
600	4.11	5.50	1.39			
				0.70	13.00	9.04
613	5.57	5.57	0.00			

5,291.80 m²

Bottom elevation		Difference of	Average of			
including soft soil = a	Final Elevation: b	elevation: c= b-a	elevations	Width: d	area; e= o'd	

Section N°

distance	а	b	С	c'	d	е
50	-18.66	4.50	23.16			
	10.00	4.50	23.10	23.00	25.00	574.88
75	-18.33	4.50	22.83	23.00	25.00	574.88
	10.00		22.00	22.87	25.00	571,75
100	-18.41	4.50	22.91	22.07	25.00	311.75
- 115				22,85	25.00	571.25
125	-18.29	4.50	22.79		20.00	· · · · · · · · · · · · · · · · ·
				22.65	25.00	566.13
150	-18.00	4.50	22.50			
				22.00	25.00	550.00
175	-17.00	4.50	21,50		1	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
that the transfer				21.00	25,00	525.00
200	-16.00	4.50	20.50			
				20.00	25.00	500.00
225	-15.00	4,50	19.50			
				19.00	25.00	475.00
250	-14.00	4.50	18.50		<u> </u>	
0.75		1.50		18.00	25.00	450.00
275	13.00	4.50	17.50			
300	10.00	4.50	10.50	17.00	25.00	425.00
300	-12.00	4.50	16.50	44.04		
325	-7.61	4.50	10.11	14.31	25.00	357.63
323	-7.01	4.50	12.11	0.00	05.00	010.00
350	-3.23	4.50	7.73	9.92	25.00	248.00
	- 0.20	4.50	1.73	6.19	25.00	154.63
375	-0.14	4.50	4,64	0.13	25.00	154.05
				4.48	25.00	112.00
400	0.18	4,50	4.32			112.00
		100		4.36	25,00	109.00
425	0.23	4.63	4.40	† : : : : : : : : : : : : : : : : : : :		
			-	4.21	25.00	105.25
450.	0.73	4.75	4.02			
				4.02	25.00	100.50
475	0.86	4.88	4.02			
· · · · · · · · · · · · · · · · · · ·	ļ			3.94	25.00	98.50
500	1.14	5.00	3.86	<u> </u>		
	-			3.72	25.00	93.00
525	1.55	5.13	3.58			
550	I			3.44	25.00	85.88
550	1.96	5.25	3.29			
575	0.55	E 70	0.00	3.06	25.00	76,50
9/5	2.55	5.38	2.83	4.70	05.00	40.15
600	4.88	5.50	0.62	1.73	25.00	43,13
000	7.00	5.50	0.62	0.31	16.00	4.00
616	5.59	5.59	0.00	0.31	10.00	4.96
	 	0.00	0.00		 	

6,797.96 m²

Bottom elevation		Difference of	Average of		
including soft soil = a	Final Elevation; b	elevation: c= b-a	elevations	Width: d	area: e= c*d

Section N°

distance	а	b	C	C'	d	e
				<u> </u>		
50	-18.75	4.50	23,25			
				23.21	25.00	580,13
75	-18.66	4.50	23.16			
100	ļ			23.12	25,00	578.00
100	-18.58	4,50	23.08		<u> </u>	
125		·		23.04	25,00	575,88
125	-18.49	4.50	22.99		ļ	· · · · · · · · · · · · · · · · · · ·
150	40.40		ļ	22.95	25,00	573,63
100	-18.40	4.50	22.90			<u> </u>
175	ļ		ļ	22.70	25,00	567.50
175	-18.00	4.50	22.50		 	· · · · ·
200				21.73	25.00	543.25
.200	-16.46	4.50	20.96	ļ		** * .
225			1	19.82	25.00	495.50
223	-14.18	4.50	18.68		<u> </u>	· · ·
250	14.00	4.50	10.00	17.54	25.00	438.38
230	-11.89	4.50	16.39	ļ		
275				15.25	25.00	381.13
213	-9.60	4.50	14.10	<u> </u>		<u> </u>
300	-7.31		ļ	12.96	25.00	323.88
300	7.31	4.50	11.81			
325	-4.93	1.50		10.62	25.00	265.50
020	-4.93	4.50	9.43		1	
350	-2.49	4.50	600	8.21	25.00	205.25
	-2.49	4.50	6.99	F-17		
375	-0.05	4.50	AST	5.77	25.00	144.25
	-0.05	4.50	4.55	107		
400	0.31	4.50	4.19	4.37	25.00	109.25
		4.50	4.19	4.00	05.00	
425	0.83	4.63	3.80	4.00	25.00	99.88
	1	4.00	3.00	3.99	25.00	
450	0.57	4.75	4.18	3.99	25.00	99.75
	0.0,	7.75	7.10	4.03	25.00	100.00
475	1.01	4.88	3.87	4.03	25.00	100.63
	- · · · · · · · · · · · · · · · · · · ·	4.00	0.07	3.72	25.00	
500	1.44	5.00	3.56	3.12	25.00	92.88
	1	0.50	- 0.00	3.41	25.00	85.13
525	1,88	5.13	3.25	3,41	25.00	65.13
	7.00		0.23	3.14	25.00	78.38
550	2.23	5,25	3.02	0.17	20.00	10.30
				3.00	25.00	75.00
575	2.40	5.38	2.98	0.00	23.00	75.00
			2.00	1,49	26.00	38.74
601	5.51	5.51	0.00	1.75	20.00	30.74
			T	 	-	

6,451.87 m²

Bottom elevation		Difference of	Average of		
including soft soil = a	Final Elevation; b	elevation: c≃ b-a	elevations	Width: d	area: e⇒ c*d

Section N° 2

distance	a	b	С	C'	d	e
	 	<u> </u>		ļ	ļ <u> </u>	
50	-18.80	4.50	23.30	<u> </u>		
	 -	····		23.32	25.00	582.8
75	-18.83	4.50	23.33			
	· · · · · · · · · · · · · · · · · · ·	<u>.</u>		23.31	25.00	582.7
100	-18.79	4.50	23,29	ļ		
	<u> </u>			23.27	25.00	581.6
125	-18.74	4.50	23,24			`
	 			23.22	25.00	580.5
150	-18.70	4.50	23.20		·	
·	10.00		25.15	23.18	25.00	579.5
175	-18.66	4.50	23.16	20.44	050	
				23.14	25.00	578.3
200	18.61	4.50	23,11		00.00	· · · · · · · · · · · · · · · · · · ·
225	10.17	1.50	00.07	21.89	25.00	547.2
225	16.17	4.50	20,67	10.00	55.00	
250	-12.14	4.50	10.01	18.66	25.00	466.3
250	12.14	4.50	16.64	44.04	05.00	005.0
275	-8.08	4.50	10.50	14.61	25.00	365.2
	0.06	4.50	12.58	10.56	25.00	200.0
300	-4.03	4.50	8.53	10.56	25.00	263.8
300	4.03	4.50	0.53	6.84	25.00	470.0
325	-0.64	4.50	5.14	0.04	23.00	170.8
323	70.04	4.50	3.14	4.77	25.00	440.4
350	0.11	4.50	4,39	4.77	25.00	119.1
- 550	0.71	4.50	4,05	4.32	25.00	100.0
375	0.25	4.50	4,25	4.32	25.00	108.0
	0.23	4.50	4.25	4.22	25,00	105.3
400	0.32	4.50	4.18	4.22	20,00	105.5
- 400	0.02	4.50	4.10	4.21	25.00	105.2
425	0.39	4.63	4.24	4.21	23.00	105.2
		4.00	7.27	4.09	25.00	102.2
450	0.81	4.75	3.94	4.03	20.00	102.2
	 	7.10	0.04	3.70	25.00	92.3
475	1.43	4.88	3.45	0.70	20.00	32.0
170	 	4.00	0.43	3.27	25.00	81.7
500	1.91	5.00	3.09	J	20.00	01.7
	 	0.00	- 0.00	2.95	25.00	73.7
525	2.32	5.13	2.81		20.00	70.7
	 			2.77	25.00	69.1
550	2.53	5.25	2.72		20.00	
			 	2.72	25.00	67.8
575	2.67	5.38	2.71			- 37.0
	 		 	1.36	14.00	18.9
589	5.45	5,45	0.00		'''	
	 	-,,,,	·	 		

6,243.10 m²

Bottom elevation		Difference of	Average of		
including soft soil = a	Final Elevation: b	etevation: c= b-a	elevations	Width: d	area: e= c'd

Section N° 3

a	b	С	C ^t	d	e
			Ī		
-18.94	4.50	23.44			
			23.38	25.00	584.3
-18,81	4.50	23,31			
-18 70	4.50	00.00		25.00	582.5
-10.79	4.50	23.29		05.00	ro4 o
-18.74	4.50	23 24	23.21	25.00	581.6
	1.00	20.24	23.22	25.00	580.50
-18.70	4.50	23.20	1 20.22	20.00	300,51
	1.11	-	23.18	25.00	579.50
-18.66	4.50	23.16			1.5
1	1.5		23.14	25.00	578.38
-18.61	4.50	23.11	1 1 1		
			21.84	25.00	545.88
-16.06	4.50	20.56			
44.00			18.45	25.00	461.13
	4.50	16.33	40.05	05.65	
 	450	11 50	13.95	25.00	348.60
	4.50	11.56	9.72	25.00	040.00
	4.50	7.88	3.72		243.00
	1.00		6.17		154.13
0.05	4,50	4.45	<u> </u>	25.05	154.10
			4.42	25.00	110.38
0.12	4.50	4.38			
			4.38	25.00	109.50
0.12	4.50	4.38	1 1 1		
		· · · · · · · · · · · · · · · · · · ·	+	25.00	107.38
0.29	4.50	4.21	1		
0.60	4.00	0.05		25.00	102.00
0.55	4.63	3.95	·	25.00	
1.00	4.76	275	3.65	25.00	96.25
1.00	4.73	3.73	3 10	25.00	79.75
2.25	4.88	2.63	0.13	20.00	79.75
			2.42	25.00	60.38
2.80	5.00	2.20			00.00
		,	2.11	25.00	52.63
3.12	5.13	2.01		: -	
			1.01	24.00	24.12
5.25	5.25	0.00			
	<u> </u>				
	·	·			
	-18.94 -18.81 -18.79 -18.74 -18.70 -18.66 -18.61 -16.06 -11.83 -7.06 -3.38 -0.05 -0.12 -0.12 -0.12 -0.29 -0.68 -1.00 -2.25 -2.80	-18.94 4.50 -18.81 4.50 -18.79 4.50 -18.79 4.50 -18.70 4.50 -18.66 4.50 -18.61 4.50 -16.06 4.50 -11.83 4.50 -7.06 4.50 -3.38 4.50 0.05 4.50 0.12 4.50 0.12 4.50 0.12 4.50 0.68 4.63 1.00 4.75 2.25 4.88 2.80 5.00 3.12 5.13	-18.94	-18.94	-18.94

5,982.00 m²

Bottom elevation		Difference of	Average of		
including soft soil = a	Final Elevation: b	elevation: c⊭ b-a	elevations	Width; d	area: e= c'd

Section N° 4

distance	a	b	C	C'	d	е
50	-18.87	4.50			 	
	-10.67	4.50	23.37		1	
75	-18,83	4.50	23.33	23.35	25.00	583.7
13	-10,03	-1.30	43.33	23.31	25.00	582.75
100	-18.79	4.50	23.29	20.01	23.00	582.73
- 100	 - 	4.50	20.25	23.27	25.00	581.63
125	-18.74	4.50	23.24	20.21	20.00	301.03
	1		20.2	23.22	25.00	580.50
150	-18.70	4.50	23.20			000.00
			·	23.18	25.00	579.50
175	-18.66	4.50	23.16			010.00
				23.14	25.00	578.38
200	-18,61	4.50	23.11			
				21.84	25.00	545.88
225	-16.06	4.50	20.56			
				18.45	25.00	461.13
250	-11.83	4.50	16.33			
	<u> </u>			14.22	25.00	355.38
275	7.60	4.50	12.10			
<u> </u>	l	·	<u> </u>	9.99	25.00	249.75
300	-3.38	4.50	7.88			
			1 1	6.36	25.00	158,88
325	-0.33	4.50	4.83		L	
	 		 	4.64	25.00	115.88
350	0.06	4.50	4.44			V.,
<u> </u>				4.23	25.00	105,75
375	0,48	4.50	4.02		[
100	 			4.02	25.00	100.50
400	0.48	4.50	4.02		<u> </u>	<u> </u>
406	0.57	4.00		4.04	25.00	101.00
425	0.57	4.63	4.06		<u> </u>	
450	1.11			3.85	25.00	96.25
450	 	4.75	3.64		ļ <u>-</u>	
475	2.02	4.88	2,86	3.25	25.00	81,25
	2.02	4.00	2,85	1.43	15.00	
490	5.00	5.00	0.00	1.93	15.00	21.45
******	- 5.00	5.00	0.00		 	
	 		 		}	
	 				 	
	 		 		 	
	 		 -		 	
	 		 			

5,879.58 m²

Bottom elevation	Difference of	Average of		
including soft soil = a	elevation; c= b-a	elevations	Withh: d	area: e= c*d

Section N° 5

distance	a	b	С	C'	I d I	
distance		, D		<u> </u>		е
50	-16.07	4.50	20.57			
				20.64	25.00	516.00
75	-16.21	4.50	20.71	20,0,	20.00	310.00
				20.78	25.00	519.50
100	-16.35	4.50	20.85			010.0
				20.92	25.00	523.00
125	-16.49	4.50	20.99			120.00
				21.06	25.00	526.50
150	-16.63	4.50	21.13	100000000000000000000000000000000000000		
				21,20	25.00	530.00
175	-16.77	4.50	21.27			
	<u> </u>			19.93	25.00	498.13
200	-14.08	4.50	18.58			
				16.88	25.00	422.00
225	-10,68	4.50	15.18		100	1.1
				13.49	25.00	337.13
250	-7.29	4.50	11.79			
				10.09	25.00	252.25
275	-3.89	4.50	8.39			
				6.70	25.00	167.38
300	-0.50	4.50	5.00			
005				4.78	25.00	119.50
325	-0.06	4.50	4.56		1	
0.55			ļ	4.33	25.00	108.25
350	0.40	4.50	4.10		<u> </u>	
075			ļ	4.10	25.00	102.50
375	0.40	4.50	4.10			
400				3.87	25.00	96.75
400	0,86	4.50	3.64		<u> </u>	
425	4.00			3.19	25.00	79.63
425	1.90	4.63	2.73			
445	470			1.37	20.00	27.30
440	4.73	4.73	0.00			
	 					
	{		J		<u> </u>	<u> </u>

4,825.80 m²

Bottom elevation		Ditterence of	Average of		<u> </u>
including soft soil ≈ a	Final Elevation; b	elevation: c= b-a	elevations	Width: d	area: e= c'd

Section N° 6

distance	a	b	C	C,	d	е
- 50	1 -14.07	4,50	10.57		1	
50	1 -14,07	4,50	18.57	18.37	25.00	450.05
75	-13.67	4,50	18.17	10.01	25.00	459.25
	10.07	4,50	10.11	18.39	25.00	459.75
100	-14,11	4,50	18.61	10.00	25.00	433.73
	<u> </u>			18.83	25.00	470.75
125	-14.55	4,50	19.05	7575		
				18.98	25.00	474.38
150	-14.40	4.50	18.90			
				17.66	25.00	441.50
175	-11.92	4.50	16.42			
				15.18	25.00	379.38
200	-9.43	4.50	13.93			
	<u> </u>			12.69	25.00	317.25
225	-6.95	4.50	11.45		<u> </u>	· · · · · · · · · · · · · · · · · · ·
·				10.21	25.00	255.25
250	-4.47	4.50	8.97			
				7.73	25.00	193.25
275	-1.99	4.50	6.49			
	 		<u> </u>	5.42	25.00	135.38
300	0.16	4.50	4.34	4.10	05.00	10150
005	0.48	4.50	4.00	4.18	25.00	104,50
325	0.40	4.50	4.02	3.70	25.00	92.50
350	1.12	4,50	3.38	3.70	25.00	92.50
330	1.12	4.50	3.36	2.94	25.00	73.38
375	2.01	4.50	2.49	2.34	25,00	10.00
		7.00	2.40	1.41	25.00	35.25
400	4.17	4.50	0.33		25.00	03.20
00	<u> </u>		7	0.38	25.00	9.50
425	4.20	4.63	0.43			
	1			0.22	8.00	1.72
433	4.67	4.67	0.00		i i	
		-		· · · · · · · · · · · · · · · · · · ·	i	

3,902.97 m²

Bottom elevation	Difference of	Average of		
including soft soil = a		elevations	Width: d	area: e= c*d

Section N° 7

distance	а	b	С	c'	d	е
distance	1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		<u> </u>		
50	-13.91	4,50	18.41			
	10.01		10.17	18.33	25.00	458.1
75	-13.74	4.50	18.24	75.55		
	1			18.45	25.00	461.1
100	-14.15	4,50	18.65			
				18.86	25.00	471.5
125	-14.57	4,50	19.07			,
				18.99	25.00	474.6
150	-14.40	4.50	18.90			
				17.66	25.00	441.5
175	-11.92	4.50	16.42			
	1		l	15.18	25.00	379.3
200	-9.43	4.50	13.93		<u> </u>	
				12.69	25.00	317.2
225	-6.95	4.50	11.45	<u> </u>		<u> </u>
				10.21	25.00	255.
250	-4.47	4.50	8.97			
0.10				7.73	25.00	193.2
275	-1.99	4.50	6.49			
202				5.50	25.00	137.5
300	-0.01	4.50	4.51		05.00	400
325	0.07	4.50	4.00	4.37	25.00	109.
325	0.27	4.50	4.23	0.00	25.00	84.5
350	1.97	4.50	2.53	3.38	25.00	04.
330	1.97	4.50	2.55	1,37	25.00	34.2
375	4.29	4.50	0.21	1.07	25.00	34.
313	4.25	4.50	0.21	0.11	16.00	1.0
391	4.50	4.50	0.00	0.11	10.00	1,1
	7.50	4.00			 	
	1			 	 -	
			 	 	l	
	<u> </u>			 	 	

3,819.18 m²

Bottom elevation		Difference of	Average of		
including soft soil = a	Final Elevation; b	elevation; c= b-a	elevations	With: d	area: e≃ c*d

Section N° 8

distance	а	b	С	c'	d	е
50	-13.72	4.50	40.00	<u></u>		
50	*10.72	4.50	18,22		05.00	
75	-13.81	4.50	10.01	18.27	25.00	456.63
	-13.61	4.50	18,31	40.54	05.00	
100	-14.20	4.50	10.70	18,51	25.00	462.63
100	-14.20	4.50	18.70			
400	14.50	1.50	10.00	18.89	25.00	472.25
125	-14.58	4.50	19.08			· · · · · · · · · · · · · · · · · · ·
150	1 40	1.50		18,99	25.00	474.75
150	-14.40	4.50	18.90			
	 			17.66	25.00	441.50
175	-11.92	4.50	16.42			
				15.18	25.00	379.38
200	-9.43	4.50	13.93		[
				12.69	25.00	317.25
225	-6.95	4.50	11.45			
				10.21	25.00	255.25
250	-4.47	4.50	8.97	<u></u>		
]		·	7.74	25.00	193.38
275	-2.00	4.50	6,50			
				4.06	25.00	101.38
300	2.89	4.50	1.61			
				1.56	25.00	38.88
325	3.00	4.50	1.50			
	<u> </u>	·		0.75	26.00	19.50
351	4.50	4.50	0.00			
<u> </u>						
· · · · · · · · · · · · · · · · · · ·						
						· · · · · · · · · · · · · · · · · · ·

3,612.75 m²

Bottom elevation	,	Difference of	Average of		
including soft soil = a	Final Elevation: b	elevation: c= b-a	elevations	Width: d	area: e≂ c*d

Section N° 9

distance	a	b	C	C'	d l	e
				T		
50	-13.38	4.50	17.88			
<u> </u>				18.08	25.00	452.00
75	-13.78	4.50	18,28			
		·		18.48	25.00	462.00
100	-14.18	4.50	18,68			
				18.88	25.00	472.00
125	14.58	4.50	19.08			* * * * * * * * * * * * * * * * * * *
				19.00	25.00	475.00
150	-14,42	4.50	18.92			
	<u> </u>		<u> </u>	17.72	25.00	443.00
175	-12.02	4.50	16.52			
	-			15.32	25.00	383.00
200	-9.62	4.50	14.12			
				12.93	25.00	323.13
225	-7.23	4.50	11.73			2. 7
				10.53	25.00	263.25
250	-4,83	4.50	9.33	,		and the second
				8.13	25.00	203.25
275	-2.43	4.50	6.93			
		1 22		6.11	25.00	152.63
300	-0.78	4.50	5.28		100000	
not.				3.10	25.00	77.50
325	3.58	4.50	0.92			1000
050				0.71	25.00	17.75
350	4.00	4.50	0.50			
			<u> </u>	0.25	6.00	1.50
356	4.50	4.50	0.00			
	-		ļ			
						
	<u> </u>		<u> </u>		J T	

3,726.00 m²

Bottom elevation		Difterence of	Average of		
including soft soil = a	Final Elevation: b	elevation: c= b-a	elevations	Width: d	area: e⇒ c⁴d

Section N° 10

distance	a	d	С	c,	q	е
50	-15.47	4.50	19.97			
				19.91	25.00	497,63
75	-15.34	4.50	19.84			
	1			19.78	25.00	494.38
100	-15.21	4.50	19.71			
				19.64	25.00	491,00
125	-15.07	4.50	19.57			
				19.08	25.00	477.00
150	-14.09	4.50	18.59			
				17,46	25.00	436,38
175	-11.82	4.50	16.32			
				15.19	25.00	379.75
200	-9.56	4.50	14.06			:
				12,93	25.00	323.13
225	-7.29	4.50	11.79			
		<u> </u>		10.66	25.00	266.50
250	-5.03	4.50	9.63			
			· .	8.40	25.00	209.88
275	-2.76	4.50	7.26	<u> </u>	· ·	
	<u> </u>			5.91	25.00	147.63
300	-0.05	4.50	4.55	· · · · · · · · · · · · · · · · · · ·		
				3.70	25.00	92.38
325	1.66	4.50	2.84			
··			<u> </u>	2.17	25.00	54.25
350	3.00	4.50	1.50			· · · · · · · · · · · · · · · · · · ·
n=4	l			0.75	21.00	15.75
371	4.50	4.50	0.00		<u> </u>	
		 				
	 	ļ	.ļ <u></u>	<u> </u>		

3,885.63 m²

Bottom elevation	Difference of	Average of		
including soft soil = a Final Elevation:	elevation: c= b-a	elevations	Width: d	area: e≃ c'd

Section N° 11

			1.			
distance	a	b	C.	C,	d	e
50	-13.57	4,50	18.07	 	 	
	10.07	4.50	10,07	18.29	25.00	457.1
75	-14.00	4.50	18.50	10.23	25.00	437.1
	11.00		10.00	18.69	25.00	467,2
100	-14.38	4.50	18.88	10.03	25.00	407.2
	1 1100	7.00	10.00	19.07	25.00	476.7
125	-14.76	4.50	19.26	13.07	2,3.00	470.7
		4,50	13.20	18.93	25.00	473.1
150	-14.09	4.50	18.59	10.00	23.00	475.15
	1	4.00	10.03	17.46	25.00	436.3
175	-11.82	4.50	16.32	17,40	2.5.00	430.0
	1.7.5		10.02	15.19	25.00	379.7
200	-9.56	4.50	14.06	10.75	25.00	0/5.7.
	1		11.00	12.93	25.00	323.1
225	-7.29	4.50	11.79	72.00	20.00	020.70
	-			10.66	25.00	266.50
250	-5.03	4.50	9.53	1	20.00	200.00
				8.40	25.00	209.88
275	-2.76	4.50	7.26		20100	2.00.00
				6.13	25.00	153.25
300	-0.50	4,50	5.00	 		
				4.75	25.00	118.60
325	0.01	4.50	4.49			
				4.22	25.00	105.50
350	0.55	4.50	3.95			
		All the second		1.98	25.00	49.38
375	4.50	4.50	0.00	1		
	1					
	1			1	1 1	
· ·	,			1		
]					

3,916.63 m²

Bottom elevation		Ditterence of	Average of		
including soft soil = a	Final Elevation: b	elevation: c= b-a	elevations	Width: d	area: e= c*d

Section N° 12

75 100 125 150	-15.46 -15.28 -15.10 -14.14 -11.58 -9.88	4.50 4.50 4.50 4.50 4.50 4.50	20.14 19.96 19.78 19.60 18.64 16.08	20.05 19.87 19.69 19.12 17.36 15.23	25.00 25.00 25.00 25.00 25.00 25.00	496.75 492.25 478.00 434.00 380.75
75 100 125 150 175 200 225	-15.46 -15.28 -15.10 -14.14 -11.58 -9.88	4.50 4.50 4.50 4.50 4.50 4.50	19.96 19.78 19.60 18.64 16.08	19.87 19.69 19.12 17.36 15.23	25.00 25.00 25.00 25.00 25.00	496.75 492.25 478.00 434.00 380.75
75 100 125 150 175 200 225	-15.28 -15.10 -14.14 -11.58 -9.88	4.50 4.50 4.50 4.50 4.50	19.78 19.60 18.64 16.08	19.87 19.69 19.12 17.36 15.23	25.00 25.00 25.00 25.00 25.00	492.25 478.00 434.00 380.75
100 125 150 175 200 225	-15.28 -15.10 -14.14 -11.58 -9.88	4.50 4.50 4.50 4.50 4.50	19.78 19.60 18.64 16.08	19.69 19.12 17.36 15.23	25.00 25.00 25.00 25.00	496.75 492.25 478.00 434.00 380.75
125 150 175 200 225 250	-15.10 -14.14 -11.58 -9.88	4.50 4.50 4.50 4.50	19.60 18.64 16.08	19.69 19.12 17.36 15.23	25.00 25.00 25.00 25.00	492.25 478.00 434.00 380.75
125 150 175 200 225 250	-15.10 -14.14 -11.58 -9.88	4.50 4.50 4.50 4.50	19.60 18.64 16.08	19.12 17.36 15.23	25.00 25.00 25.00	434.00 380.75
125 150 175 200 225 250	-14.14 -11.58 -9.88	4.50 4.50 4.50	18.64 16.08 14.38	19.12 17.36 15.23	25.00 25.00 25.00	478.00 434.00 380.75
150 175 200 225 250	-14.14 -11.58 -9.88	4.50 4.50 4.50	18.64 16.08 14.38	17.36 15.23	25.00 25.00	434.00 380.75
175 200 225 250	-11.58 -9.88	4.50 4.50	16.08	17.36 15.23	25.00 25.00	380.75
175 200 225 250	-11.58 -9.88	4.50 4.50	16.08	15.23	25.00	380.75
200 225 250	-9.88	4.50	14.38	15.23	25.00	
200 225 250	-9.88	4.50	14.38			380.75
225 250		110				
225		110		13.32	25.00	000.00
250	-7.75	4 EO		13.32	25.00	000.00
250	7.75	4 EO .		 		332,88
		4.50	12.25			
				11.18	25.00	279.50
275	-5.61	4.50	10.11			
275		·		9.05	25.00	226.13
	-3.48	4.50	7.98			
		·		6.92	25.00	172.88
300	-1.35	4.50	5.85			
				5.23	25.00	130.75
325	-0.11	4.50	4.61			<u> </u>
				4.04	25.00	101.00
350	1.03	4.50	3.47			<u> </u>
				2.35	25.00	58.75
375	3.27	4.50	1.23			
				0.62	3.00	1.85
378	4.50	4.50	0.00	·		

4,086.72 m²

Bottom elevation	 Difference of	Average of			ĺ
including soft soil = a	elevation; c≈ b-a	elevations	Width: d	area:e≕c*d	

Section N° 13

distance	a	b	С	C'	d	е
. 7/24/20070000000000000000000000000000000			1		i	
50	-17.58	4.50	22.08	1		
·				21.72	25.00	543,00
75	-16.86	4.50	21.36			
				21.00	25,00	525.00
100	-16.14	4.50	20.64	4.5		
	1			20.29	25.00	507,13
125	-15.43	4.50	19.93			
				19.29	25,00	482.13
150	-14.14	4.50	18.64			
				17.57	25.00	439.25
175	-12.00	4.50	16.50	1 1 1 1 1 1 1		100.20
				15.43	25.00	385,63
200	-9.85	4.50	14.35			
<u> </u>				13.28	25,00	332.00
225	-7.71	4.50	12.21			- 002.00
				11.14	25.00	278,50
250	-5.57	4.50	10.07		7 77	
				9.00	25.00	224,88
275	-3.42	4.50	7.92			221,00
				6.85	25.00	171.25
300	-1.28	4.50	5.78		1 20.00	171.23
- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				6.20	25.00	155.00
325	-2.12	4.50	6.62			100.00
				6.05	25.00	151,25
350	-0.98	4.50	5.48			101.20
44.1 5.1				2.74	23.00	63.02
373	4.50	4.50	0.00		20.00	00.02
- :	25.00					
				<u> </u>		
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	†			 	 -	
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4,258.02 m²

Bottom elevation		Difference of	Average of			
including soft soil = a:	Final Elevation: b	elevation: c= b-a	elevations	Width: d	area; e=c'd	l

Section N° 14

distance	а	b	O	C'	d	0
50	-17.65	4,50	22.15			
				21.78	25.00	544.50
75	-16.91	4.50	21.41			
				21.04	25,00	526.00
100	-16.17	4.50	20.67	1		
	<u> </u>	<u> </u>		20.31	25.00	507.63
125	-15.44	4.50	19.94			
				19.29	25.00	482.2
150	-14.14	4.50	18.64			
				17.57	25.00	439.2
175	-12.00	4.50	16.50			-
	<u> </u>			15.43	25.00	385.63
200	-9.85	4.50	14.35			
				13,28	25.00	332.0
225	-7.71	4.50	12.21			
				11.14	25.00	278.50
250	-5.57	4.50	10,07			
				9.14	25.00	228.3
275	-3.70	4.50	8.20			
				7.93	25.00	198.1
300	-3.15	4.50	7.65			
		- Table 19		7.18	25.00	179.5
325	-2.21	4.50	6,71			
				6.11	25.00	152.79
350	-1.01	4.50	5.51			
				2.76	13.00	35.82
363	4,50	4.50	0.00			
	71.4					· · · · · · · · · · · · · · · · · · ·
						
						

4,290.32 m²

Bottom elevation		Difference of	Average of		
including soft soil = a	Final Elevation: b	elevation: c= b-a	elevations	Width: d	alea: e= c*d

Section N°

4 4						
distance	а	b	C	c'	d	е
50	-17.15	4.50	21.65			
		•		20.90	25.00	522.5
75	-15.65	4.50	20.15			<u> </u>
				19.70	25.00	492.5
100	-14.75	4.50	19.25			
		4.		21.30	25.00	532.3
125	-18.84	4.50	23.34		1 1	,
			1.0	20.34	25.00	508.5
150	-12.84	4.50	17.34			
				16.20	25.00	405.0
175	-10.56	4.50	15,06			
				14.08	25.00	352.0
200	-8.60	4.50	13.10			
	44 4 1 1 1			12.13	25.00	303.1
225	-6.65	4.50	11.15			
				10.17	25.00	254.2
250	-4.69	4.50	9.19			
				8,61	25.00	215.2
275	-3.53	4.50	8.03	4.		
				7.81	25.00	195.2
300	-3,09	4.50	7.59		:	1000
				7.12	25.00	177.8
325	-2.14	4.50	6.64	1 22		
				3.32	33.00	109.5
358	4.50	4.50	0.00			
					4 4 7 7	
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-,				†		
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4,068.19 m²

Bottom elevation		Difference of	Average of		
Including soft soil = a	Final Elevation: b	elevation: c= b-a	elevations	Width: d	area; e= c*d

Section N° 16

distance	l a l	b	1	c'	<u> </u>	
uistance			C	C C	<u>d</u>	<u>e</u>
50	-15.57	4,50	20.07			 -
		4.55	20.01	19.51	25.00	487.63
75	-14,44	4,50	18,94	10.01	20.00	407.00
			1,5,5	18.38	25.00	459.38
100	-13.31	4.50	17.81			100100
4				17.24	25.00	431.00
125	-12.17	4.50	16.67			,
				16,00	25.00	399.88
150	-10.82	4.50	15.32			
				14.48	25.00	361.88
175	-9.13	4.50	13.63			
				12.79	25.00	319.63
200	-7.44	4.50	11.94			
<u> </u>				11.10	25.00	277.38
225	-5.75	4.50	10.25			
1 1				9.40	25.00	235.00
250	-4.05	4.50	8.55	4 A		
·			<u> </u>	8,21	25.00	205.13
275	-3.36	4.50	7.86			
·	<u> </u>	<u> </u>		7.61	25.00	190.13
300	-2.85	4.50	7.35			
	 		<i>e</i>	6.91	25.00	172.63
325	-1.96	4.50	6.46			
050	 		ļ	5.91	25.00	147.63
350	-0.85	4.50	5.35			
000	 	4.50	1	2.68	16.00	42.80
366	4.5	4.50	0			
· · · · · · · · · · · · · · · · · · ·	 					
	 		 			
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	 	<u> </u>	- 			

3,730.05 m²

Bottom elevation Difference of Average of including soft soit = a Final Elevation; b elevation; c= b-a elevations Width; d area; e= e*d

Section N° 17

distance	a	b	C	C'	d	е
					1	
50	-15.50	4.50	20.00	1		
				18.76	25.00	468.88
75	-13.01	4.50	17.51			
- 100				16.89	25.00	422.13
100	-11.76	4.50	16.26			
tor		· · · · · · · · · · · · · · · · · · ·	 	16.09	25.00	402.25
125	-11.42	4.50	15.92			
188				14.82	25.00	370.38
150	-9.21	4.50	13.71			44.
		<u> </u>	<u> </u>	12.99	25.00	324.63
175	-7.76	4.50	12.26			1000
		4 - 4		11.53	25.00	288.25
200	-6.30	4.50	10.80		T	
		<u> </u>	<u> </u>	10,08	25.00	251.88
225	-4.85	4.50	9,35			
				8.65	25.00	216.25
250	-3.45	4.50	7.95	·		
				7.88	25.00	196.88
275	3.30	4.50	7.80			
				7.53	25.00	188.13
300	-2.75	4.50	7.25			
		<u> </u>		6.78	25.00	169.38
325	-1.80	4.50	6.30			
				5.83	25.00	145.63
350	-0.85	4.50	5.35			
				2.68	13.00	34.78
363	4.50	4.50	0.00			· · · · · · · · · · · · · · · · · · ·
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AREA OF SECTION:

3,479.40 m²

Bottom elevation		Difference of	Average of		
including soft soil = a	Final Elevation: b	elevation: c= b-a	elevations	Width: d	area: e= c*d

Section N° 18

distance	а	b	С	С'	d	e .
50	-15.50	4.50	20.00		·	
:	: :			18.25	25.00	456.25
75	-12.00	4.50	16.50			
				16.00	25.00	400.00
100	-11.00	4.50	15.50			
		<u> </u>		15.38	25.00	384.38
125	-10.75	4.50	15,25		IT	
				13.63	25.00	340,75
150	-7.51	4.50	12.01			
				11.41	25.00	285.25
175	-6.31	4.50	10.81	1 30 30		
	<u> </u>			10.21	25,00	255.25
200	∙5.11	4.50	9.61			
	2 2 2 2 3			9.06	25.00	226.38
225	-4.00	4.50	8.50	1		
taring a second	12 1 1			8.22	25.00	205.50
250	-3.44	4.50	7.94			
		2 1 1	10.7	7.83	25.00	195.63
275	-3.21	4.50	7.71		ļ	1000
				7.41	25.00	185.25
300	-2.61	4.50	7.11			
				6.73	25.00	168.25
325	-1.85	4.50	6.35			
				5.86	25.00	146.50
350	-0.87	4.50	5.37			
<u> </u>	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			2.69	25.00	67.13
375	4.50	4.50	0.00	y 11 11 1		
	100					
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3,316.50 m²

Bottom elevation

| Difference of Average of Inclusing soft soil = a | Final Elevation: b | Otevation: c= b-a | elevations | Width: d | area: e= c*d

Section N° 19

distance	a	b	С	c'	d	е
	 	~ 				
50	-13.47	4.50	17.97			
				17,07	25.00	426.75
75	-11.67	4.50	16.17	1 1		
		1.1		15.73	25.00	393.25
100	-10.79	4.50	15.29	1 1		
				14.99	25.00	374.63
125	-10.18	4.50	14.68			,
				13.35	25.00	333.63
150	-7.51	4.50	12.01			10 000
				11.41	25.00	285.25
175	-6.31	4.50	10.81			
		<u> </u>		10.21	25.00	255.25
200	-5.11	4.50	9.61			
	1			9.01	25.00	225.13
225	-3.90	4.50	8.40			
<u>_</u>				8.17	25.00	204.25
250	-3.44	4.50	7.94			
				7.74	25.00	193.50
275	-3.04	4.50	7.54	ļ <u></u>		
			ļ <u></u>	7.28	25.00	182.00
300	-2.52	4.50	7.02		07.00	
	0.00			6.76	25.00	169.00
325	-2.00	4.50	6.50		05.00	
050				5.87	25.00	146.75
350	-0.74	4.50	5.24		00.00	
070	150	4.50		2.62	20.00	52.40
370	4.50	4.50	0.00			
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AREA OF SECTION:

3,241.78 m²

Bottom elevation		Difference of	Average of		
including soft soil = a F	Final Elevation: b	elevation; c≈ b-a	elevations	Width: d	area: e≈ c*d

Section N° 20

distance	a	b	С	C C	d	e
·					<u> </u>	·
50	-13.30	4.50	17.80			
				16.96	25.00	423.88
75	-11,61	4.50	16.11		<u> </u>	
· · · · · · · · · · · · · · · · · · ·	<u> </u>			15.54	25.00	388.38
100	-10.46	4.50	14.96			
				14.52	25,00	363.00
125	-9.58	4.50	14.08			` .
· · · · ·				13.05	25.00	326.13
150	-7.51	4.50	12.01		l	
				11.41	25.00	285.25
175	-6,31	4.50	10.81			
				10.21	25.00	255.25
200	-5.11	4.50	9.61			
				9.01	25.00	225.13
225	-3.90	4.50	8.40			
				8.15	25.00	203.63
250	-3,39	4.50	7.89			
				7.68	25.00	192.00
275	-2,97	4.50	7.47			
				7.28	25.00	182.00
300	-2.59	4.50	7.09			
				6.78	25.00	169.38
325	-1.96	4.50	6.46			
	T			5.76	25.00	143.88
350	-0.55	4.50	5.05			
				2.53	18.00	45.45
368	4.50	4.50	0.00		 	
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3,203.33 m²

Bottom elevation		Difference of	Average of	:. :	
Including soft soil = a	Final Elevation: b	elevation: c= b-a	elevations	Width: d	area: e= c*d

Section N° 21

distance	T a	b	- c - T	c'	d	е
distance		<u> </u>				
50	-14.47	4.50	18,97			
	14.47	7.00	10.37	20.78	25,00	519.50
75	-18.09	4.50	22.59	20.,0	20.00	010.00
	10.00		1	19.40	25.00	485.00
100	-11.71	4.50	16,21	12110		
			1	15.52	25.00	387.88
125	-10.32	4.50	14.82			
· · ·				14.10	25.00	352.50
150	-8.88	4.50	13.38		· ·	
				12.87	25.00	321.63
175	-7.85	4.50	12.35			
				11.34	25.00	283.38
200	-5.82	4.50	10.32		11	
				9.56	25.00	238.88
225	-4.29	4.50	8.79			
			1	8.02	25.00	200.50
250	-2.75	4.50	7.25			
			11	6.49	25.00	162.13
275	-1.22	4.50	5.72			
				5.38	25.00	134.38
300	-0.53	4.50	. 5.03			
	the same		i i	4.14	25.00	103.38
325	1.26	4.50	3.24	9 4 9 9		9.5 a.c. 5
				1.83	25.00	45,75
350	4.08	4.50	0.42			
· .		Service 1		0.21	3.00	0.63
353	4.50	4.50	0.00	**		

3,235.51 m²

E	lottom elevation		Difference of	Average of			
inc	uding soft soil = a	Final Elevation; b	elevation; c= b-a	elevations	Width; ฮ	area: e= c*d	

Section N° 22

distance	a	b	С	c'	d	e
50	-15.54	4.50	20.04		i	
				19.47	25.00	486.75
75	-14.40	4.50	18.90		2.00	
		14		18.34	25.00	458.38
100	-13.27	4,50	17.77			
				17.20	25.00	430.00
125	-12.13	4.50	16.63			•
				16.07	25.00	401.63
150	-11.00	4.50	15.50			
	<u></u>			14.55	25.00	363.78
175	-9.10	4.50	13.60			
				12.65	25.00	316.25
200	-7.20	4.50	11.70	-	[· · · · · · · · · · · · · · · · · · ·	
	<u> </u>			10.76	25.00	268.88
225	-5.31	4.50	9.81			
				8.86	25.00	221.50
250	-3.41	4.50	7.91			
	<u> </u>	4.5		6.96	25.00	174.00
275	-1.51	4.50	6.01		Ī	
				5.44	25.00	136.00
300	0.37	4.50	4.87			
				2.44	23.00	56.01
323	4.50	4.50	0.00			
	ii					
		100				
					j	

3,313.13 m²

Bottom elevation		Difference of	Average of		
including soft soil = a	Final Elevation: b	etevation: c≃ b-a	elevations	Width: d	area: e= c*d

Section N° 22'

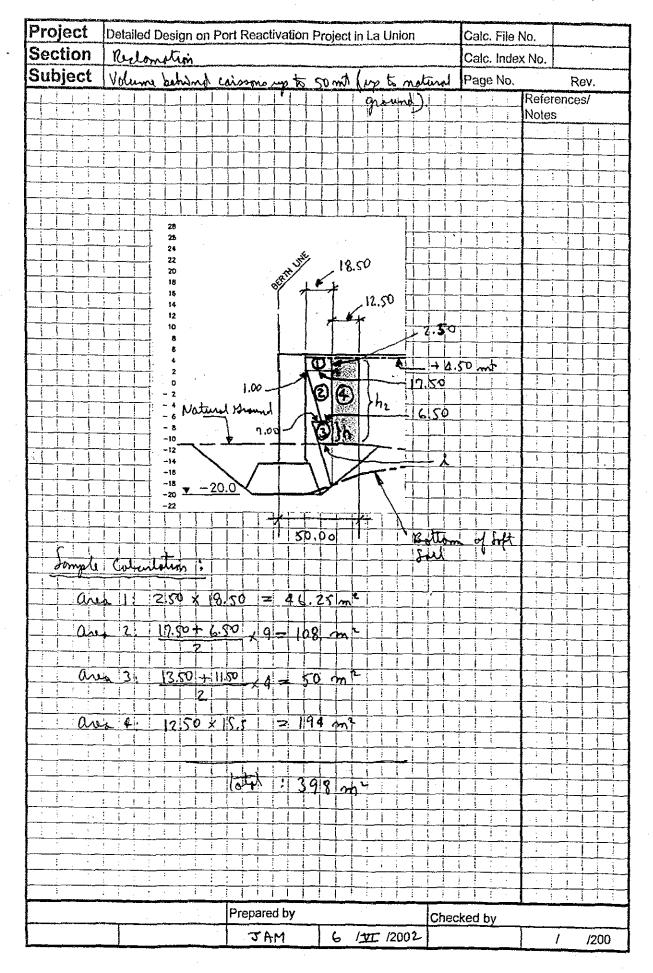
distance	a	Ь	С	c'	d	е
				1		
- 50	-18.10	4.50	22.60			
				22.60	25,00	565.00
75	-18.10	4.50	22.60			
		1		22.11	25.00	552.78
100	-17.12	4.50	21.62			
				21.14	25.00	528.38
125	-16.15	4.50	20.65			
			The second of	20.16	25.00	504.00
150	-15.17	4.50	19.67		· ·	
				19.18	25.00	479.50
175	-14.19	4,50	18.69		1000	
				17.55	25.00	438.75
200	-11.91	4.50	16.41			
				15.11	25.00	377.75
225	-9.31	4.50	13.81			
				12.51	25.00	312.75
250	-6.71	4.50	11.21		240	1.25
· · · · · · · · · · · · · · · · · · ·	<u> </u>			9.91	25.00	247.75
275	-4.11	4.50	8.61		A 3	
····				7.31	25.00	182.75
300	-1.51	4.50	6.01			
				3.01	23.00	69.12
323	4.50	4.50	0.00			
	ļ					
				<u> </u>		
	<u></u>					
<u> </u>						
	<u> </u>		1			

4,258.49 m²

VOLUME BEHIND CAISSONS UP TO 50 mt.(up to natural ground) june 6/2002 New Elevation: 4.5 meters

SECTION N°	AREA	AVERAGE AREA OF 2 SECTIONS	DISTANCE BETWEEN SECTIONS	VOLUME
1	370.75			
		370.75	25.00	9,269
2	370.75			
		376.59	25.00	9,415
3	382.44			
		385.22	25.00	9,630
4	388.00			
·		390.25	25.00	9,756
5	392.50		·	
		392.50	25.00	9,813
6	392.50			
	202 52	392.50	25.00	9,813
7	392.50			
	000.50	392.50	25.00	9,813
8	392.50	000.50	05.00	
	200 50	392.50	25.00	9,813
9	392.50	200.50	- 05.00	
10	392.50	392.50	25.00	9,813
10	392.50	392.50	25.00	. 0.040
11	392.50	392.30	25.00	9,813
- 1	352.00	402.75	25.00	10.060
12	413.00	102.13	20.00	10,069
14	410.00	402.75	25.00	10,069
13	392.50		20.00	10,005
		392.50	25.00	9,813
14	392.50			
		392.50	25.00	9,813
15	392.50			<u> </u>
		392.50	25.00	9,813
16	392.50			
		392.50	25.00	9,813
17	392,50			
		392.50	25.00	9,813
18	392.50			
		390.25	25.00	9,756
19	388.00			
	222	385.22	25.00	9,630
20	382.44	070 50	95.5	
21	070.75	376.59	25.00	9,415
21	370.75	350 00	25.00	0.070
22	247.00	358.88	25.00	8,972
- 22	347.00	347.00	10.00	2 470
22'	347.00	341.00	10.00	3,470
<u> </u>	3+1,00		····	

VOLUME BEHIND CAISSONS UP TO 50 mt.: (up to natural ground) 207,389 m³



Section N° 1				70
area 1:	46,25			
area 2:	108.00			1
area 3:	35.25	height = h = 3.00	width = $i = 10.00$	-
area 4:	181.25	height = $h_2 = 14.50$		
	370,75 i	m²		
**			•	1

46.25	1
108,00	
35.25 helght = h = 3.00	width ≈ i = 10.00
181.25 height = h ₂ = 14.50	:
370.75 m²	-
	108.00 35.25 helght = h = 3.00 181.25 helght = h ₂ = 14.50

area 1:	46.25		
area 2:	108.00		
area 3:	40.69	height = $h = 3.50$	width = i = 9.75
area 4:	187.50	height = h_2 = 15.00	

Section N° 4				o.k.
area 1:	46.25			
area 2:	108.00			
area 3:	43.13	height = h = 3.75	width = $i = 9.50$	
area 4:	190.63	height = h ₂ = 15.25		
	388,00 ו	m ²		

Section N° 5]o.
area 1:	46.25				1
area 2:	108.00	•			-
area 3:	44.50	height = h = 4.00	:	width = $i = 8.75$	
area 4:	193.75	height = h ₂ = 15.50			
	392.50	m ²			
					-

tion N° 6				
area 1;	46.25			
area 2:	108.00			
area 3:	44,50	height = h = 4.00	width = i = 8.75	5
area 4:	193.75	height = $h_2 = 15.50$		
	392.50 ı	m²	 •	* *,

		The second secon
46.25		•
108.00		•
44.50 height = h = 4.	.00	width = i = 8.75
193.75 height = $h_2 = 1$	5.50	
392,50 m ²		
	108.00 44.50 height = h = 4. 193.75 height = h_2 = 19	108.00 44.50 height = $h = 4.00$ 193.75 height = $h_2 = 15.50$

		+ 4		∏o.k
	4 · 4			ļ
46.25		And the second	4.5	
108.00			grade at the	
44.50	height = h = 4.00	w	idth = i = 8.75	1
193.75	height = $h_2 = 15.50$			
392.50	n ²			
	108.00 44.50 193.75	108.00 44.50 height = h = 4.00	108.00 44.50 height = h = 4.00 w 193.75 height = h ₂ = 15.50	108.00 44.50 height = $h = 4.00$ width = $i = 8.75$ 193.75 height = $h_2 = 15.50$

Section N° 9			o.k
area 1:	46.25	•	
area 2:	108.00		
area 3:	44.50	height = $h = 4.00$	width = i = 8.75
area 4:	193.75	height = h ₂ = 15.50	
	392.50	m²	

Section N° 10						o.k
area 1:	46.25					
area 2:	108.00				۱ ا	
area 3;	44.50	height = h = 4.00		width = $i = 8.75$		
агеа 4:	193.75	height = $h_2 = 15.50$	•			
	392.50	m²		•		
					·	

Section N° 11	· .			Po
area 1:	46.25			
area 2:	108.00			
area 3:	44.50	height = h = 4.00	width = $i = 8.75$	
area 4:	193.75	height = $h_2 = 15.50$		
	392.50	n²		

Section N° 12				o.k.
area 1:	46.25		•	
area 2:	108.00		· .	1
area 3:	52.50	height = h = 5.00	width = $i = 7.50$	İ
area 4:	206.25	height = h ₂ = 16.50		
	413.00	m²	·	

ection N° 13			
.cjarea 1:	46.25		
area 2:	108.00		
агеа 3:	44.50	height = h = 4.00	width = j = 8,75
area 4:	193.75	height = h ₂ = 15.50	
	392.50 ı	m ²	

Section N° 14				٦o.
area 1:	46.25			
area 2:			* .	
	108.00	1 : 14 1 100		ı
area 3:	44.50	height = h = 4.00	width = $i = 8.75$	-
area 4:	193.75	height = $h_2 = 15.50$		-
	392.50	m²		

Section N° 15]o.
area 1:	46.25			
area 2:	108.00			1
area 3:	44.50	height = h = 4.00	width = i = 8.75	
агеа 4:	193.75	height = h ₂ = 15.50		
	392.50	m²		

Section N° 16				o.k
area 1:	46.25			
area 2:	108.00			1
area 3:	44.50	height = h = 4.00	width = $i = 8.75$	
area 4:	193.75	height = h ₂ = 15.50		
	392.50	m²		

Section N° 17		o.l
area 1:	46.25	•
area 2:	108.00	
area 3:	44.50 height = h = 4.00 wid	dth = i = 8.75
area 4:	193.75 height = h ₂ = 15.50	
	392,50 m ²	

Section N° 18		0
area 1:	46.25	
area 2:	108.00	
area 3:	44.50 height = h = 4.00	width = i = 8.75
area 4:	193.75 height = h ₂ = 15.50	
	392.50 m ²	

Section N° 19					
area 1:	46.25			14 - 15 - 15 - 15 - 15 - 15 - 15 - 15 -	
area 2:	108.00				
агеа 3:	43.13	height = h = 3.75	wi	idth = i = 9.50	
area 4:	190.63	height = $h_2 = 15.25$			
	388.00	m ²			
			$\mathcal{F}_{i} = \{ i, \dots, i \in \mathcal{F}_{i} \mid i \in \mathcal{F}_{i} \}$		- 1

				o.k.
46.25			47	
108.00	Marie Carlos			
40.69	height = h = 3.50		width = i = 9.75	
187.50	height = $h_2 = 15.00$			\
382.44				
•	108.00 40.69 187.50	108.00 40.69 height = h = 3.50	108.00 40.69 height = $h = 3.50$ 187.50 height = $h_2 = 15.00$	108.00 40.69 height = $h = 3.50$ width = $i = 9.75$ 187.50 height = $h_2 = 15.00$

ction N° 21			
area 1:	46.25		
area 2:	108.00		
area 3:	35.25 height = h =	3.00	width = $i = 10.00$
area 4:	181.25 height = h ₂ =	14.50	
· · · · · · · · · · · · · · · · · · ·	370.75 m ²	•	
	970,70 III		· · · ·

Section N° 22					
area 1:	46.25		٠		
area 2:	108.00				
area 3:	24.00	height = h = 2.00		width = i =	10.50
area 4:	168.75	height = $h_2 = 13.50$			
	347.00 г	n ²			
	•				

Section N° 22'		0.
area 1:	46.25	
area 2:	108.00	
area 3:	24.00 height = h = 2.00	width = i = 10.50
area 4:	168.75 height = h₂ ≈ 13.50	
	347.00 m ²	

RECLAMATION BELOW NATURAL GROUND: FROM 0.00 UP TO 50.00 METERS (BEGINNING FROM FACE OF CAISSONS TOWARDS IN-LAND) 28-May-02

SECTION N°	AREA A	VERAGE REA OF ECTIONS	DISTANCE BETWEEN SECTIONS	VOLUME
-4	:	· · · · · · · · · · · · · · · · · · ·		
-3				
-2				
-1				
0	150.63			
1	150.63	150.63	25.00	3,766
2	150.63	150.63	25.00	3,766
	1/	150.63	25.00	3,766
3	150.63	148.24	25.00	3,706
4	145.85	122.30	25.00	3,058
5	98.75	86.88	25.00	2,172
6	75.00	68.91	25.00	1,723
7	62.81	62.03	25.00	1,551
8	61.25	54.38	25.00	1,359
9	47.50	65.94	25.00	1,649
10	84.38			
11	61.25	72.82	25.00	1,820
12	81.26 🗸	71.26	25.00	1,781
13	120.75	101.01	25.00	2,525
14	123.25	122.00	25.00	3,050
15	111.25	117.25	25.00	2,931
16	100.00 \	105.63	25,00	2,641
17	100.00	100.00	25.00	2,500
18	100.00	100.00	25.00	2,500
19	66.88	83.44	25.00	2,086
20	72.63	69.76	25.00	1,744
	i/	100.44	25.00	2,511
21	128.25	136.00	25.00	3,400
22	143.75	154.94	10.00	1,549
22'	166.13; /			

VOLUME OF RECLAMATION BELOW NATURAL GROUND (FROM 0.00 UP TO 50.00 BEHIND CAISSONS)

57,553 m³