

San Juan Main Drainage km 17

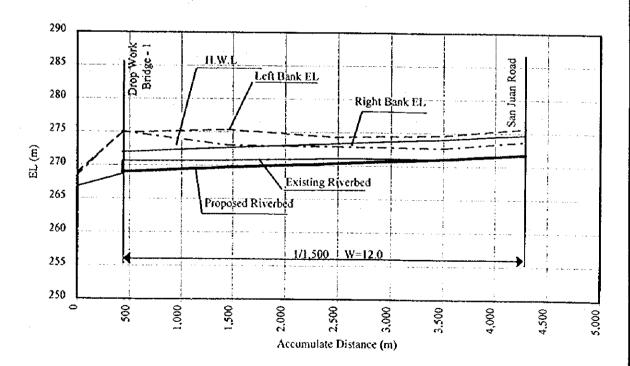
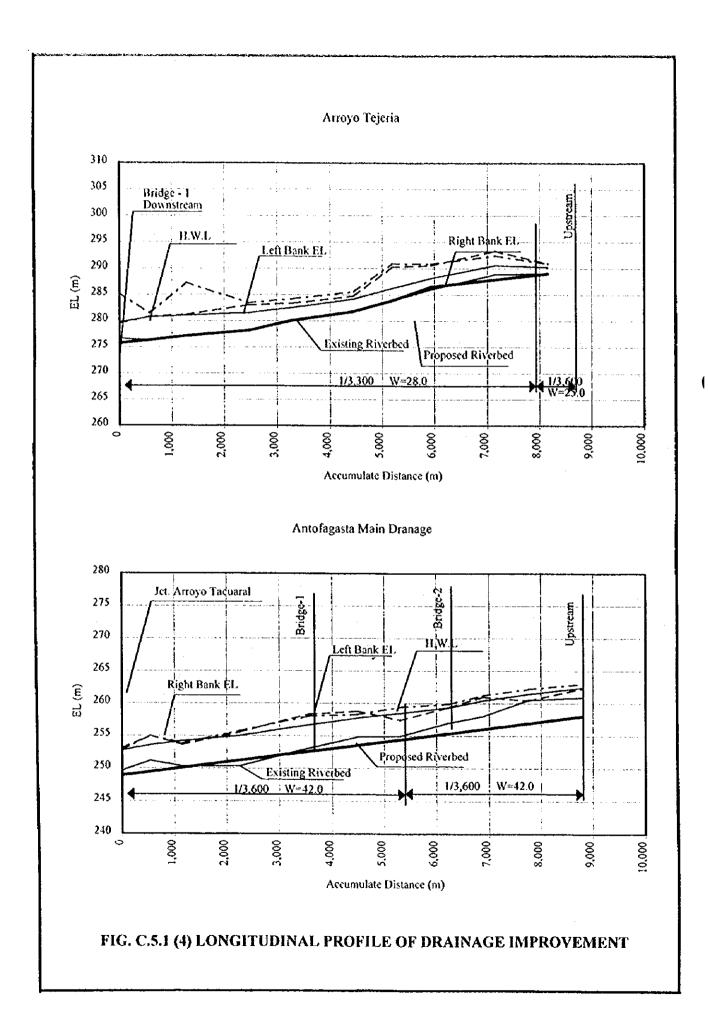
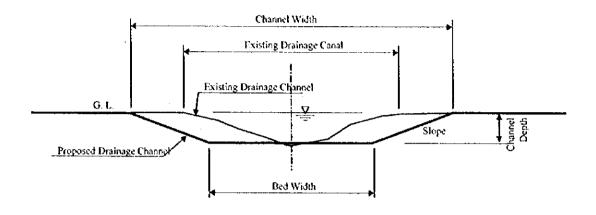


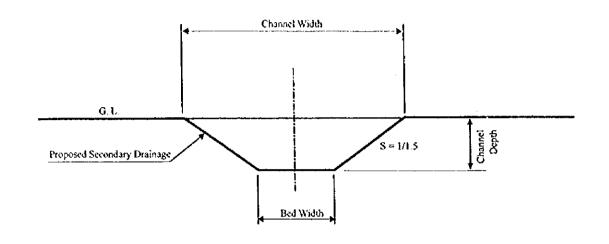
FIG. C.5.1 (3) LONGITUDINAL PROFILE OF DRAINAGE IMPROVEMENT





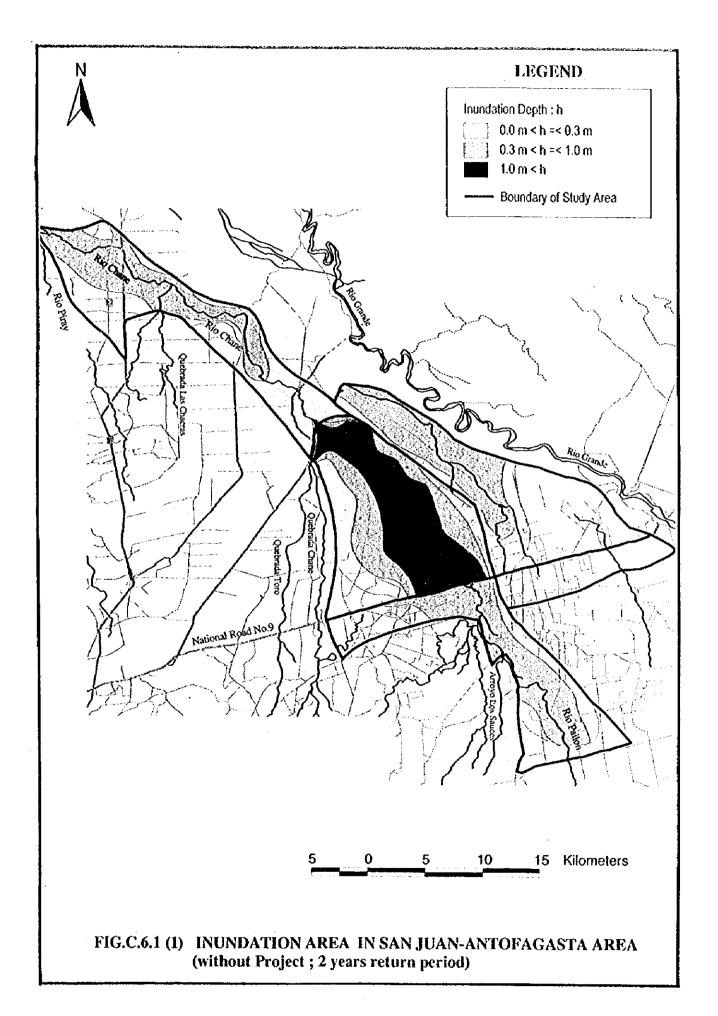
Drainage Canal	Length (km)	Channel	Bed Width	Channel	Clana
-	r.cogor (kni)	Width (m)	(m)	Depth (m)	Slope
1. Chane-Pailon					
(1) Rio Chane				i	
(2) Rio Pailon					
I) Rancha Chico	3.600				
Jct. Rio Pailon (down) - Jct. Rio Pailon (up)	3.600	42.0	26.0	4.0	1/2.0
2) El Chaco	1.470				
Jct. El Empalme II - National Road No. 9	1.470	30.0	16.0	3.0	1/2.0
3) El Enpalme H	5.290				
Jct. Rio Pailon - Jct. El Chaco	0.690	35.0	19.0	4.0	1/2.0
Jet. El Chaco - National Road No. 9	4,610	18.0	6.0	3.0	1/2.0
(3) Okinawa Drainage	21.650				
Downstream - Midstream	19.840	28.0	12.0	4.0	1/2.0
Midstream - Upstream	1,810	25.0	13.0	3.0	1/2.0
2. San Juan-Antofagasta					
(1) San Juan					
i) San Juan Main Drainage	34.950				
km I I	2.410		Λs	is	
km 13	3.660	13.0		3.0	1/1.5
km 15	8.930		As	i	******
km 17	3.840	12.0	_	2.5	1/1.5
km 24	5,560	, , , ,	Λ		******
km 28			is		
2) Arroyo Tejeria	8,160]		
Midstream - Upstream	4.480	22.0	6.0	4.0	1/2.0
Jct. Rio Yapacani - Midstream	3.680	20.0	4.0	4.0	1/2.0
(2) Antofagasta					
Antofagasta Main Drainage	8.800				
Downstream - Midstream	5.310	28.0	12.0	3.0	1/2.0
Midstream - Upstream	3.490	25.0	9.0	3.0	1/2.0

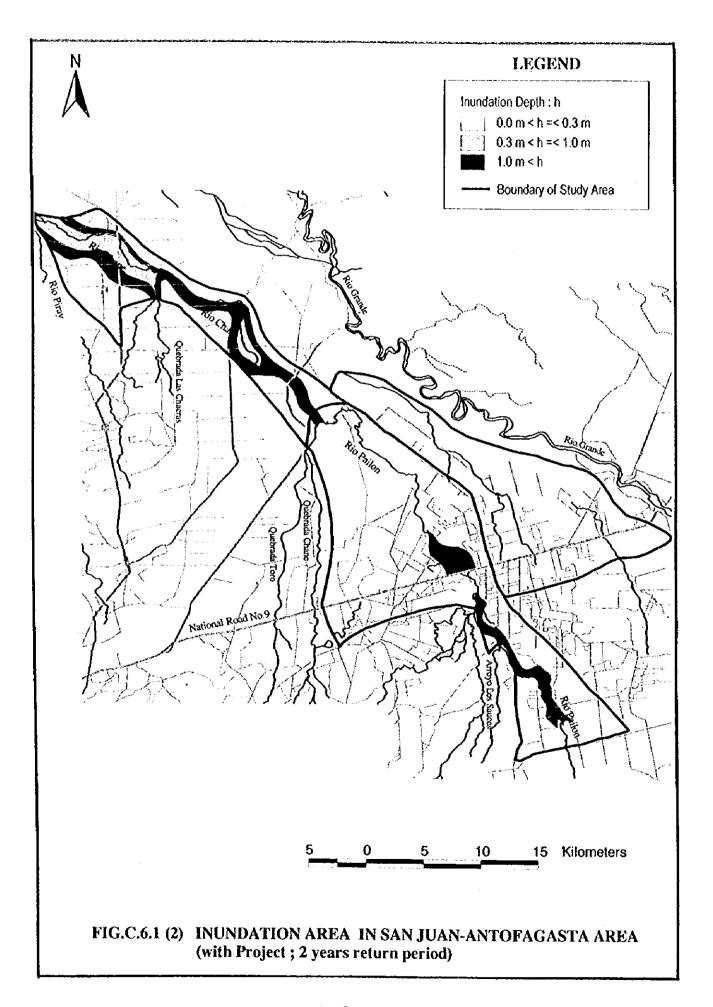
FIG. C.5.2 STANDARD CROSS SECTION OF DRAINAGE IMPROVEMENT

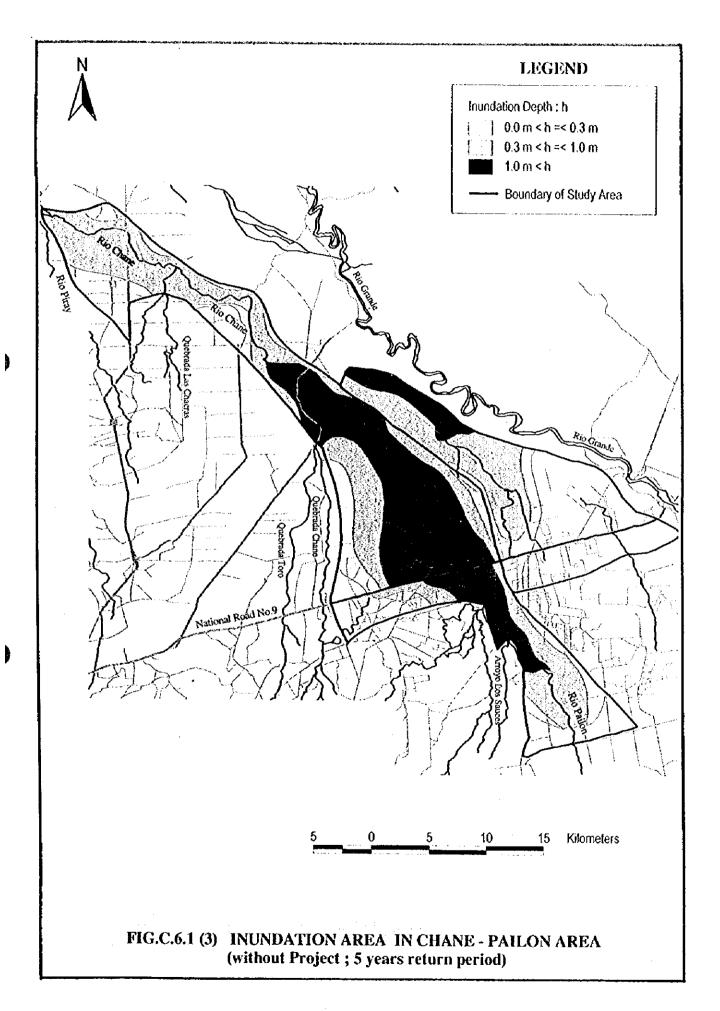


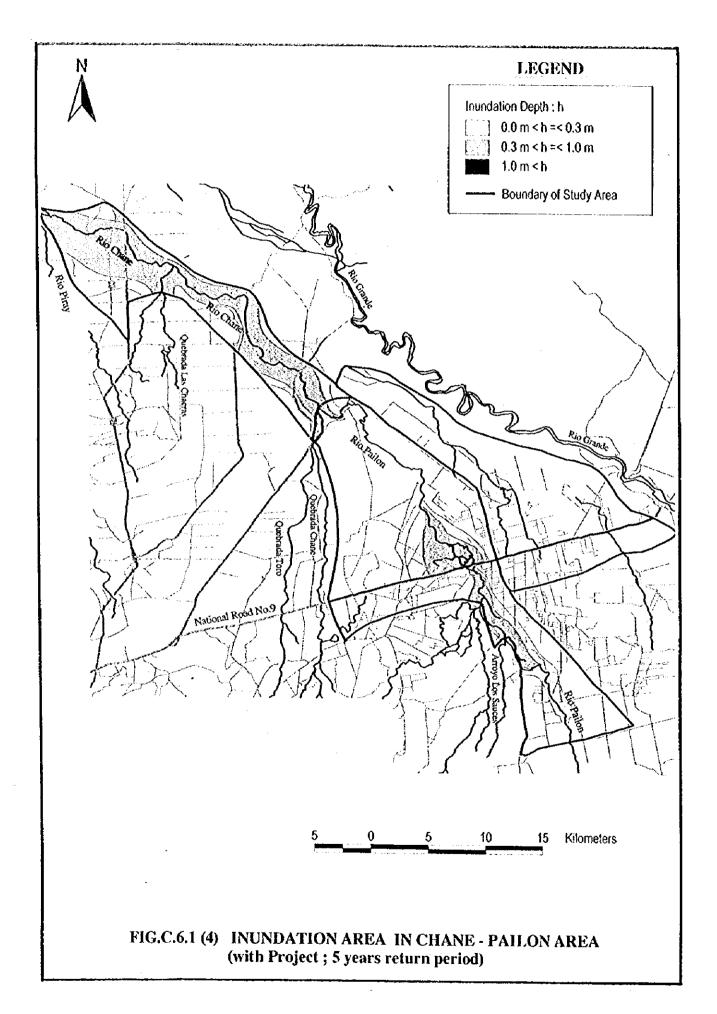
Project Item	Total Length (km)	Channel Width (m)	Bed Width (m)	Channel Depth (m)	Slope
1. Chane - Pailon Area					
1.1 Rio Pailon Basin	18.500	12.0	3.0	3.0	1/1.5
1.2 Okinawa Drainage Basin	35.500	12.0	3.0	3.0	1/1.5
2. San Juan - Antofagasta Area					
2.1 San Juan Area	35.000	14.0	5.0	3.0	1/1.5
2.2 Antofagasta Area	26.500	14.0	5.0	3.0	1/1.5

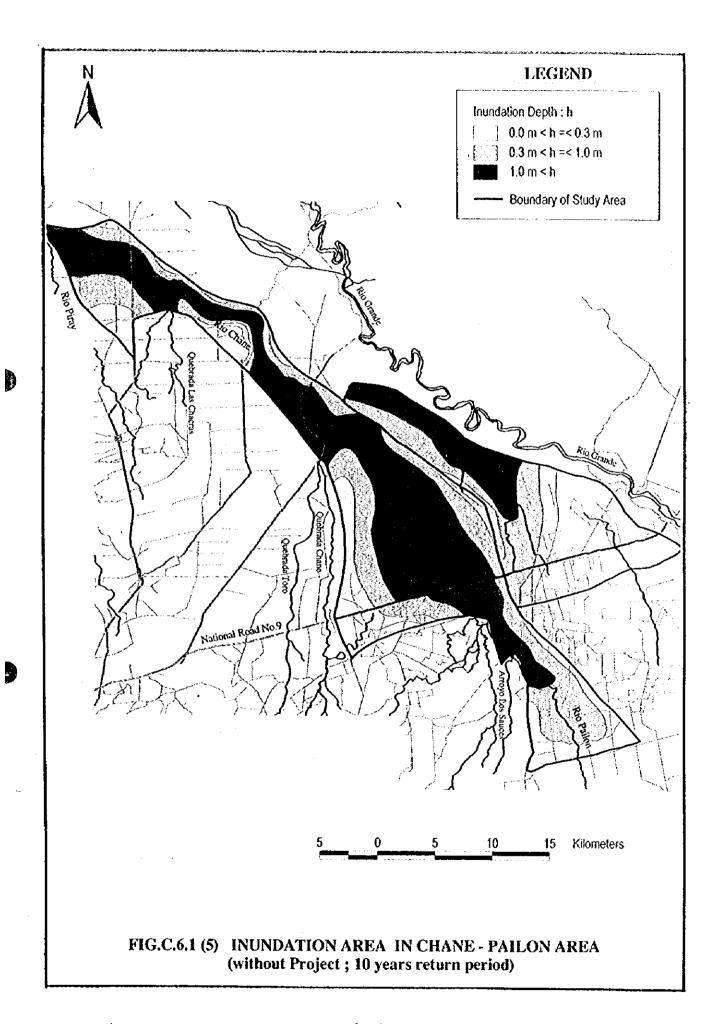
FIG. C.5.3 STANDARD CROSS SECTION OF SECONDARY DRAINAGE

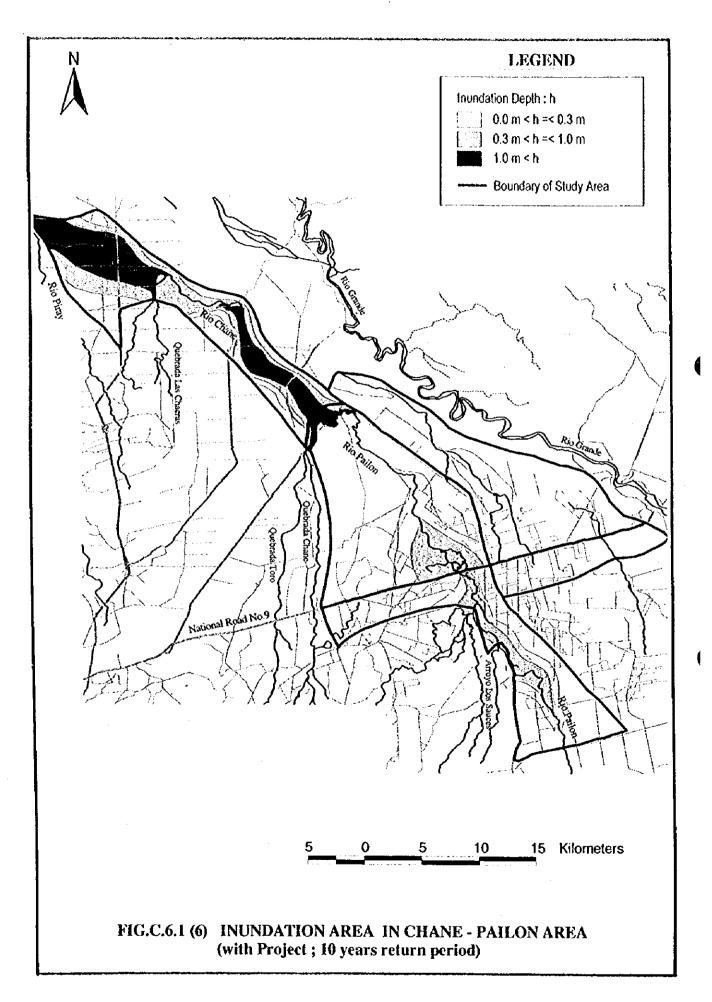


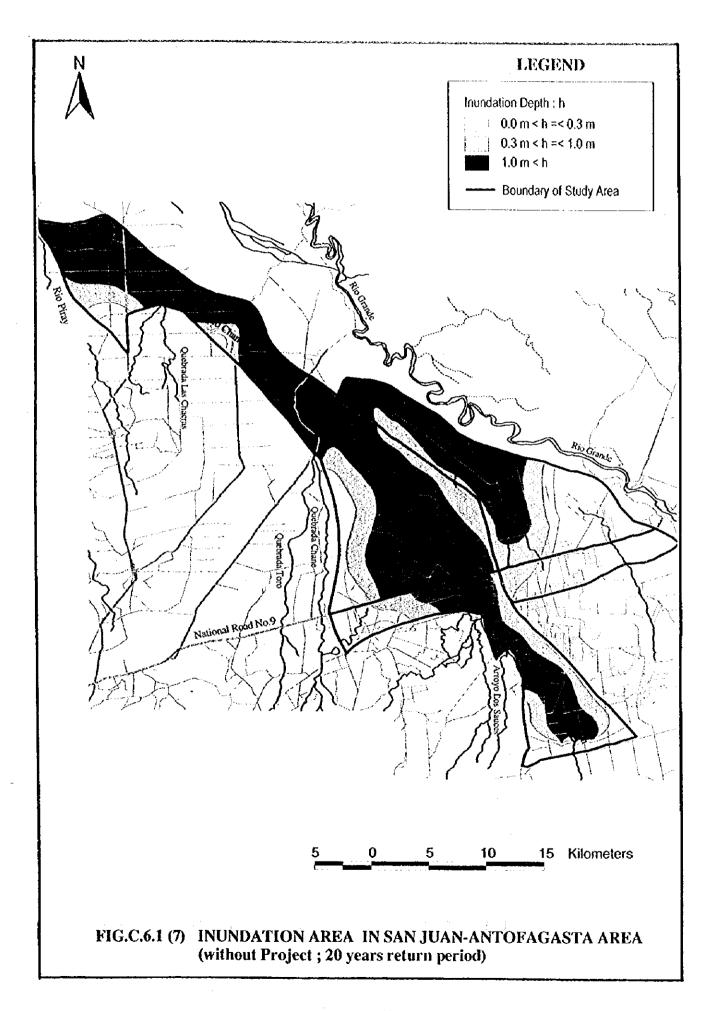


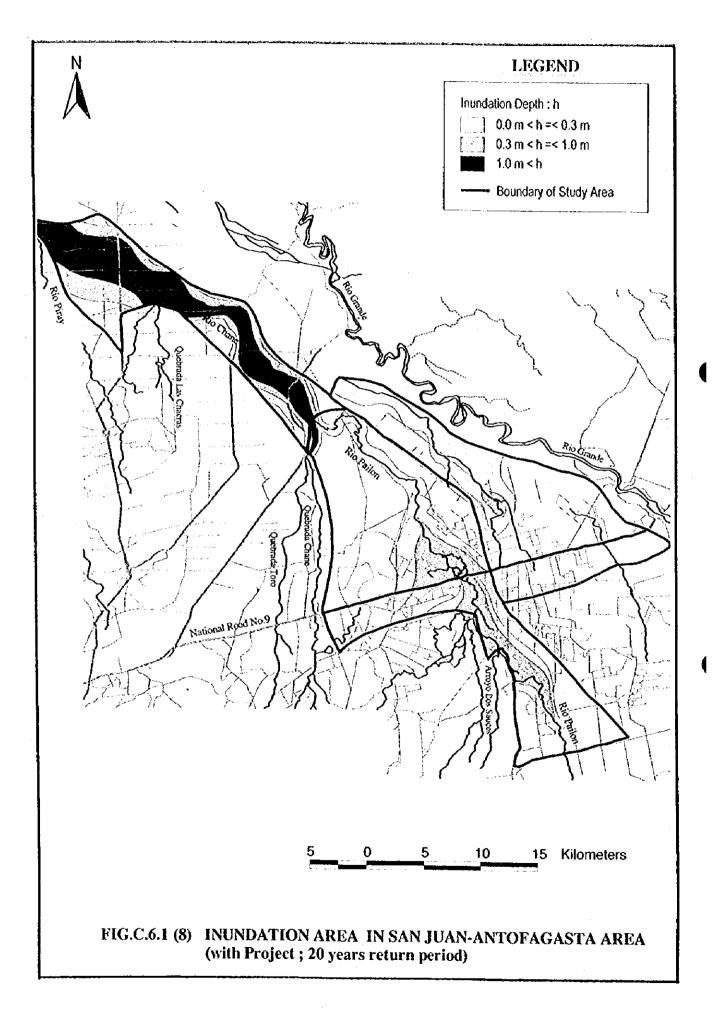


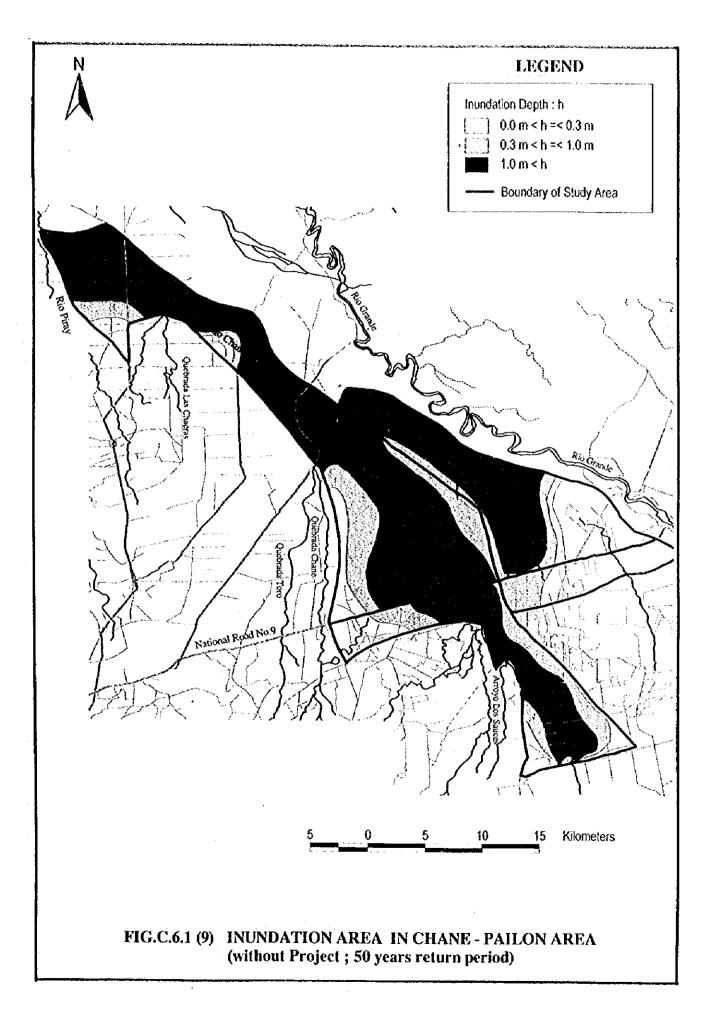


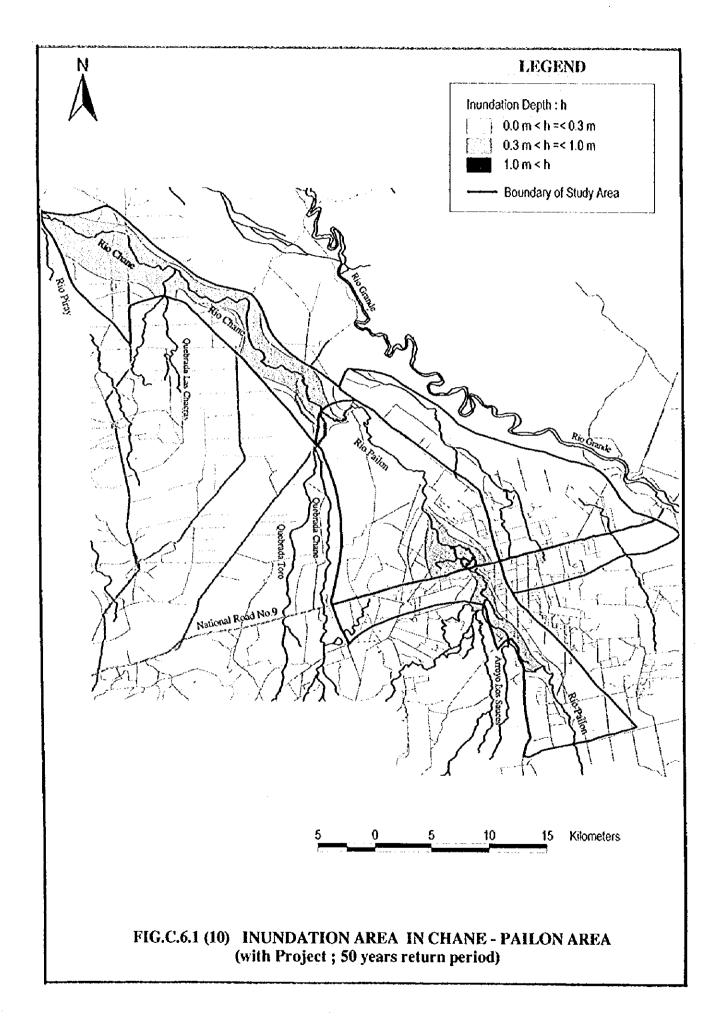


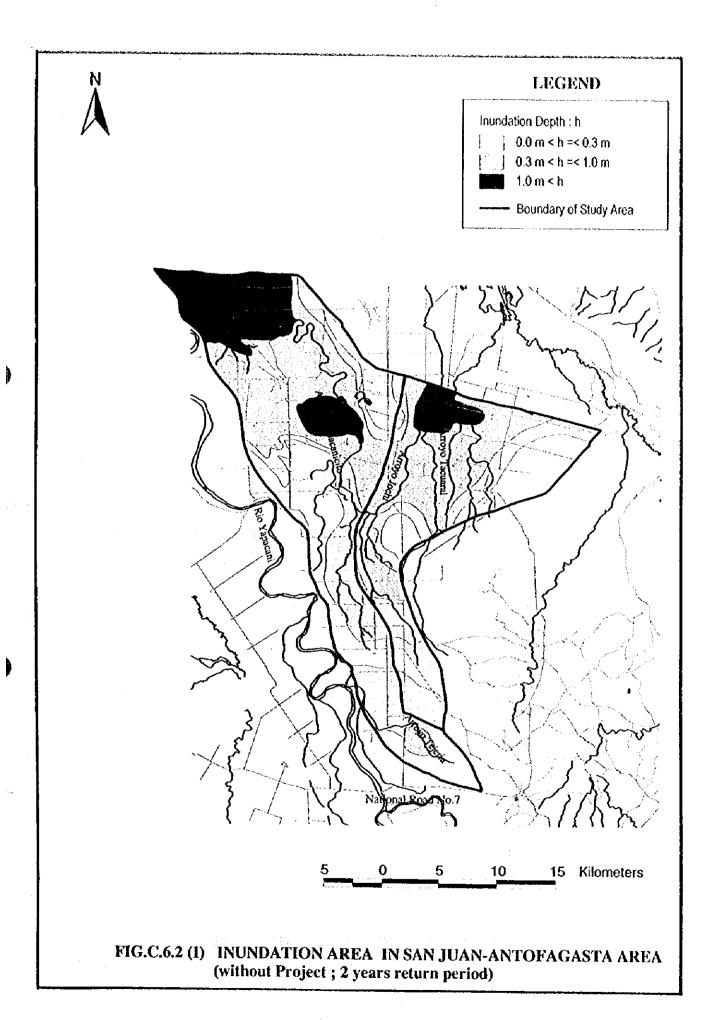


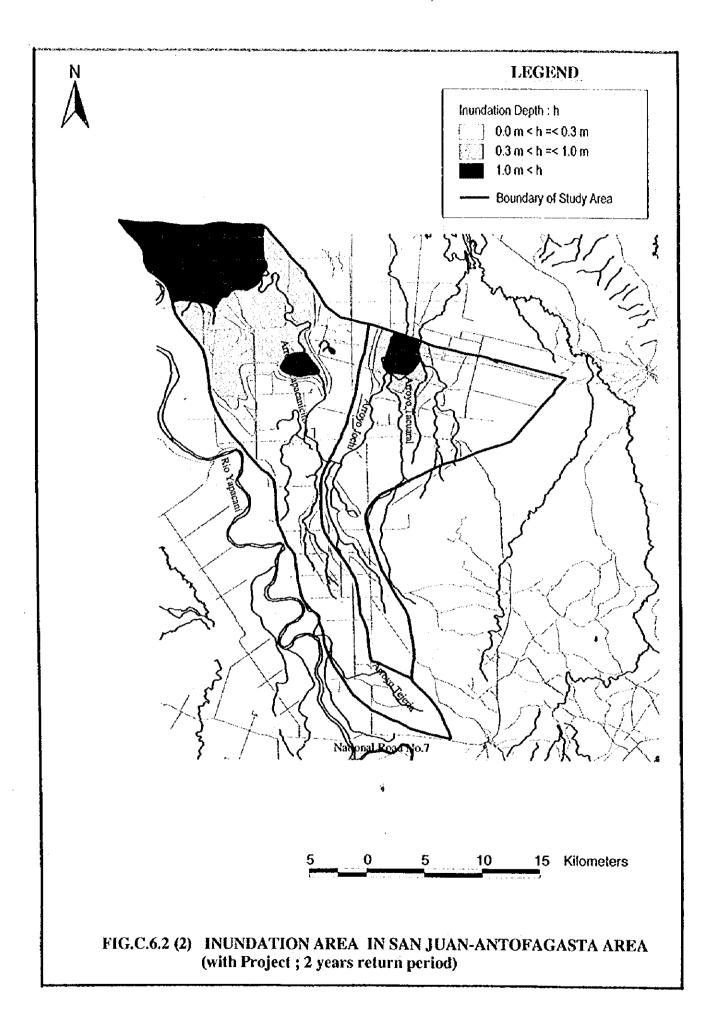


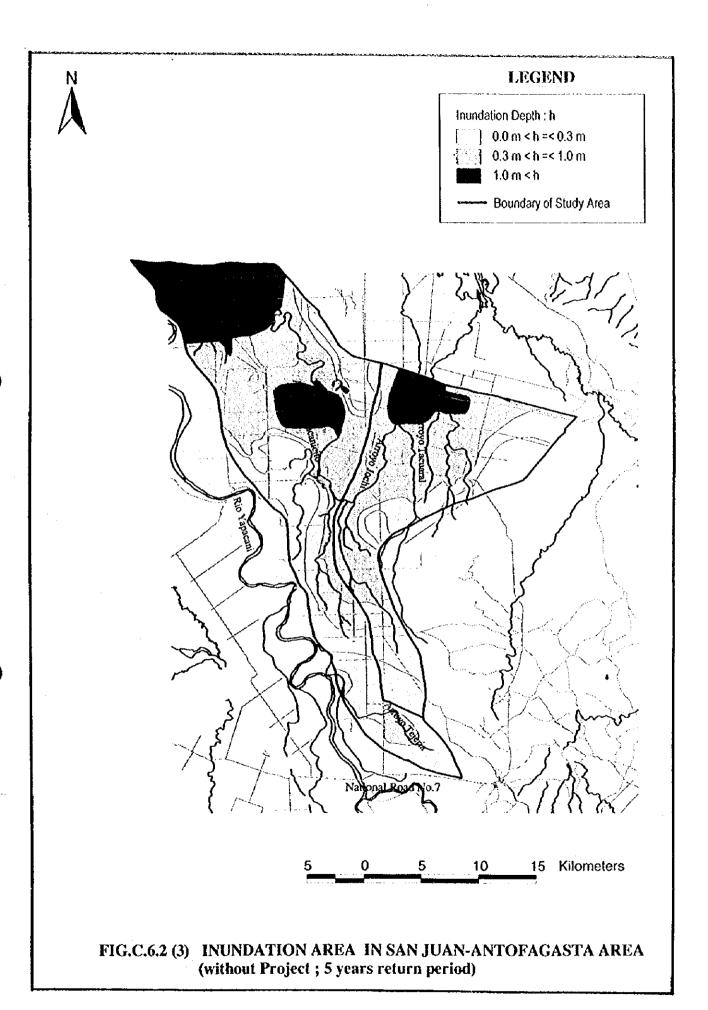


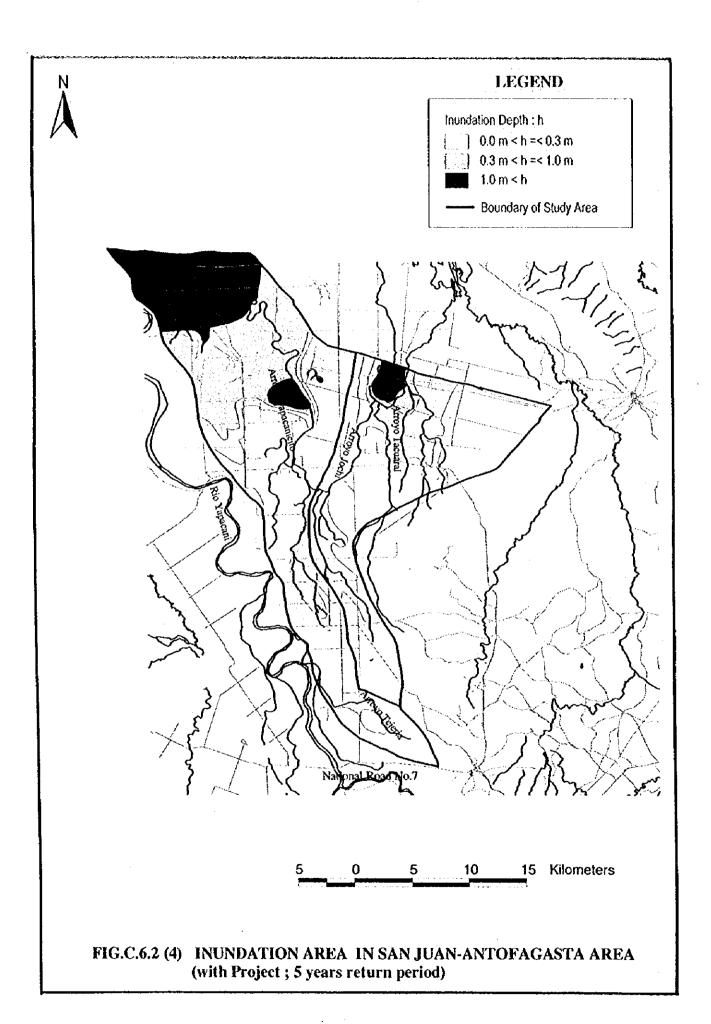


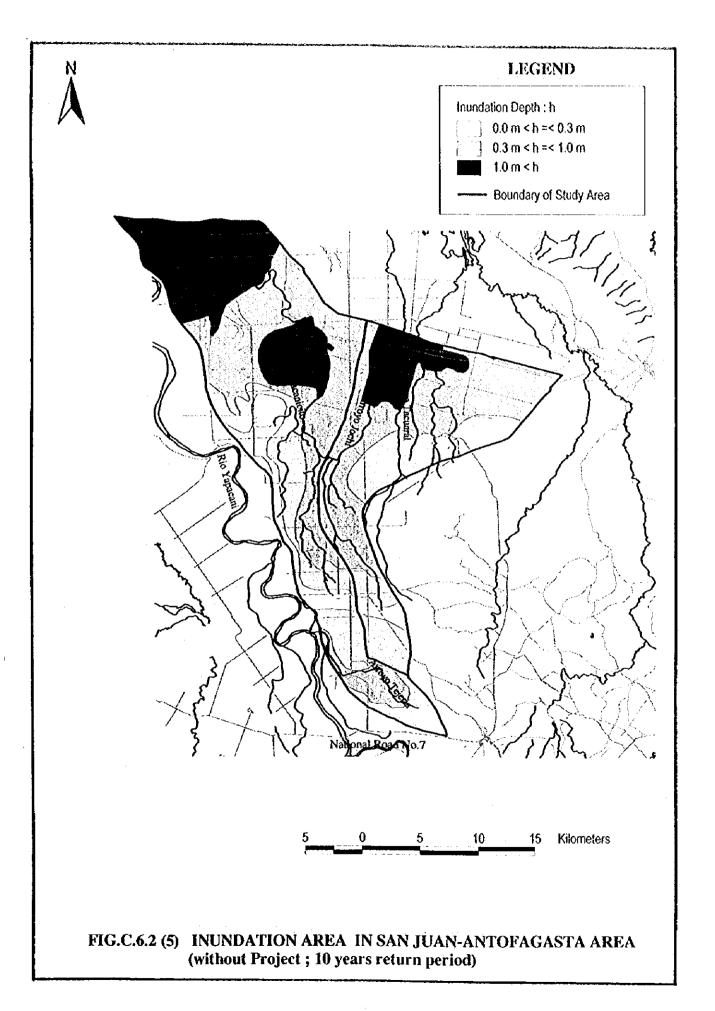












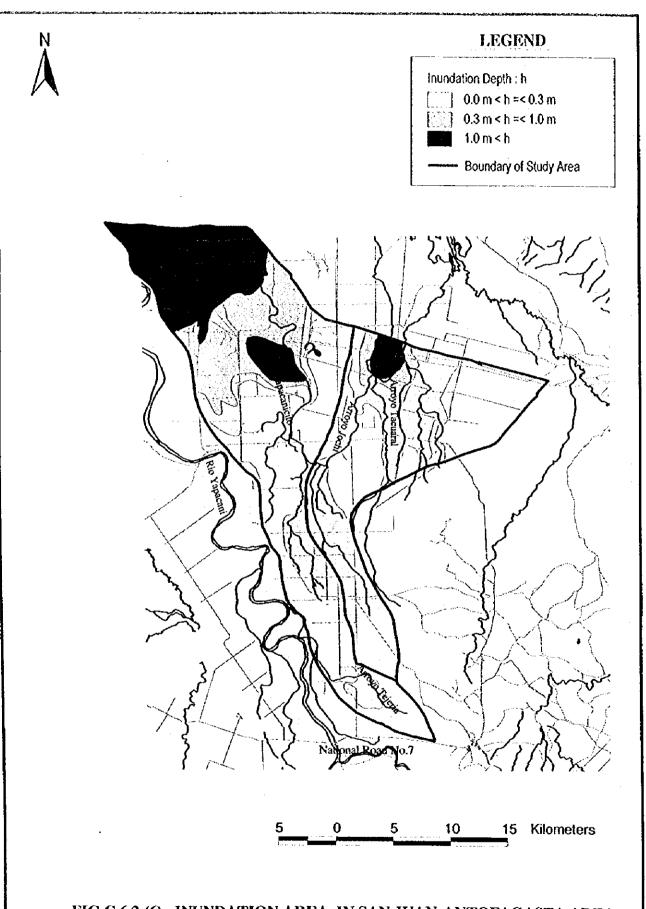


FIG.C.6.2 (6) INUNDATION AREA IN SAN JUAN-ANTOFAGASTA AREA (with Project; 10 years return period)

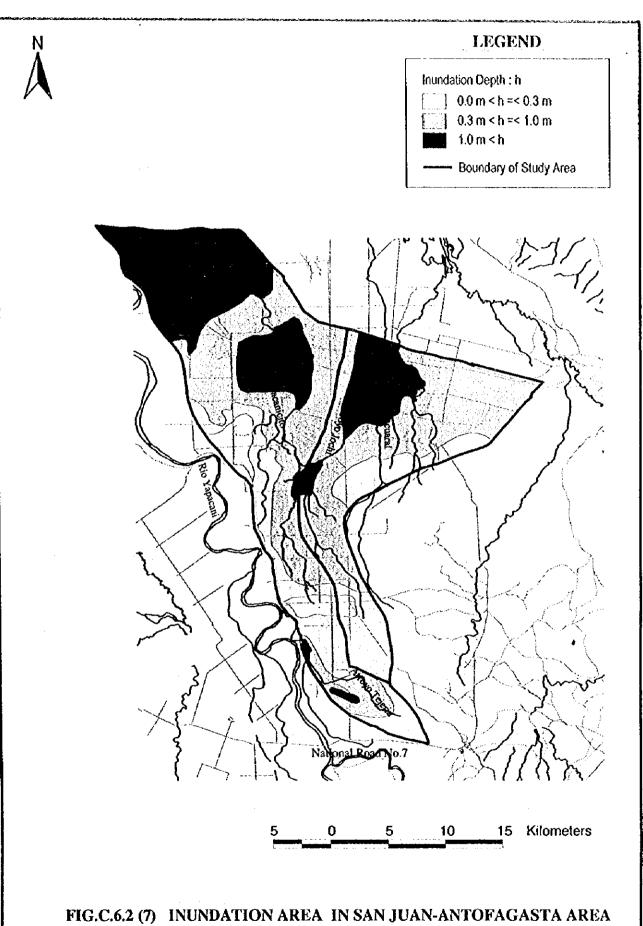
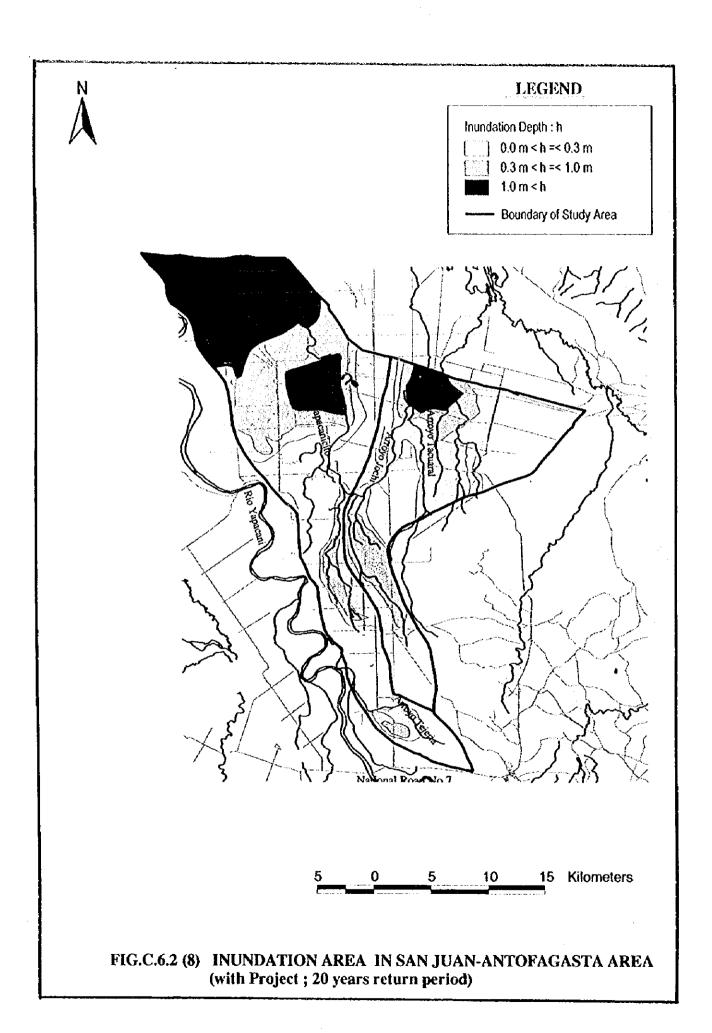
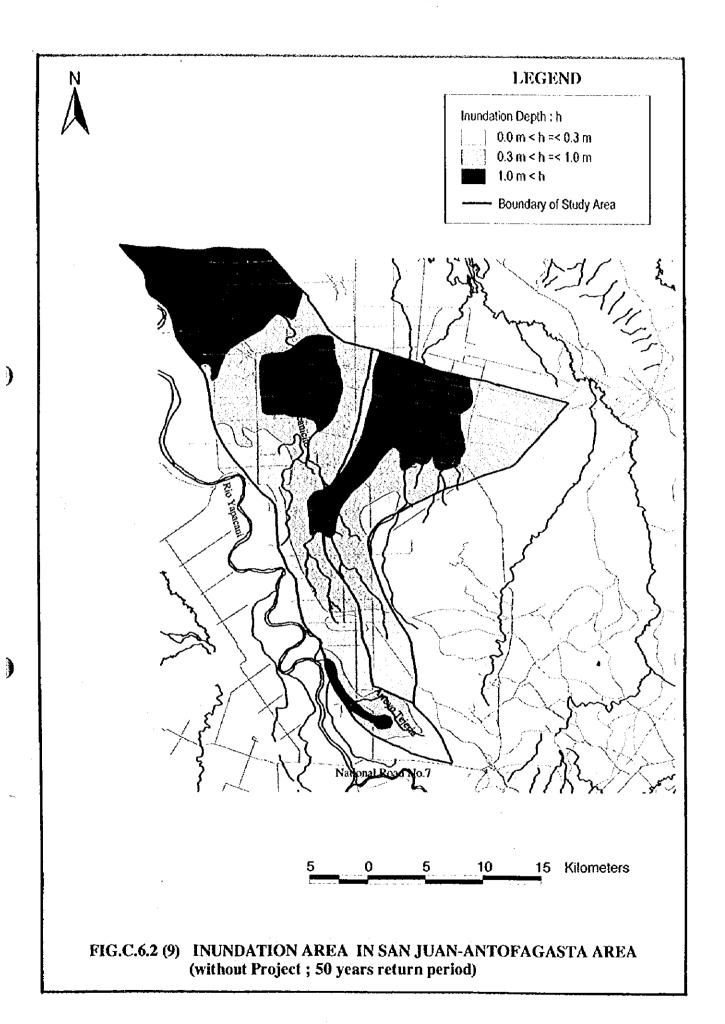
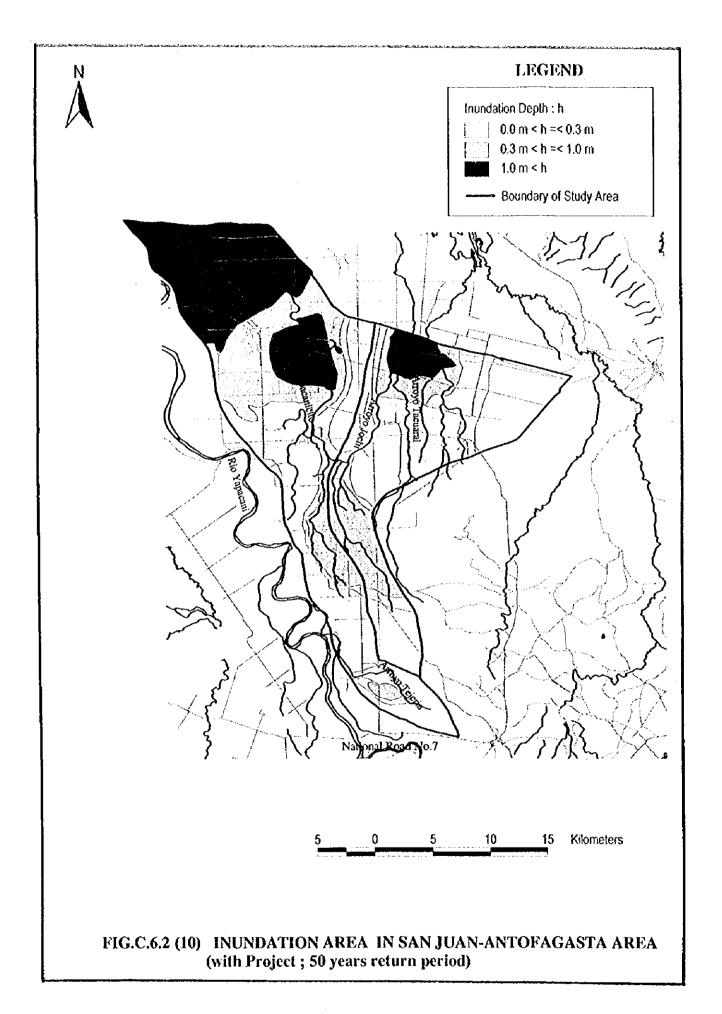


FIG.C.6.2 (7) INUNDATION AREA IN SAN JUAN-ANTOFAGASTA AREA (without Project; 20 years return period)







SUPPORTING REPORT D

COST ESTIMATE

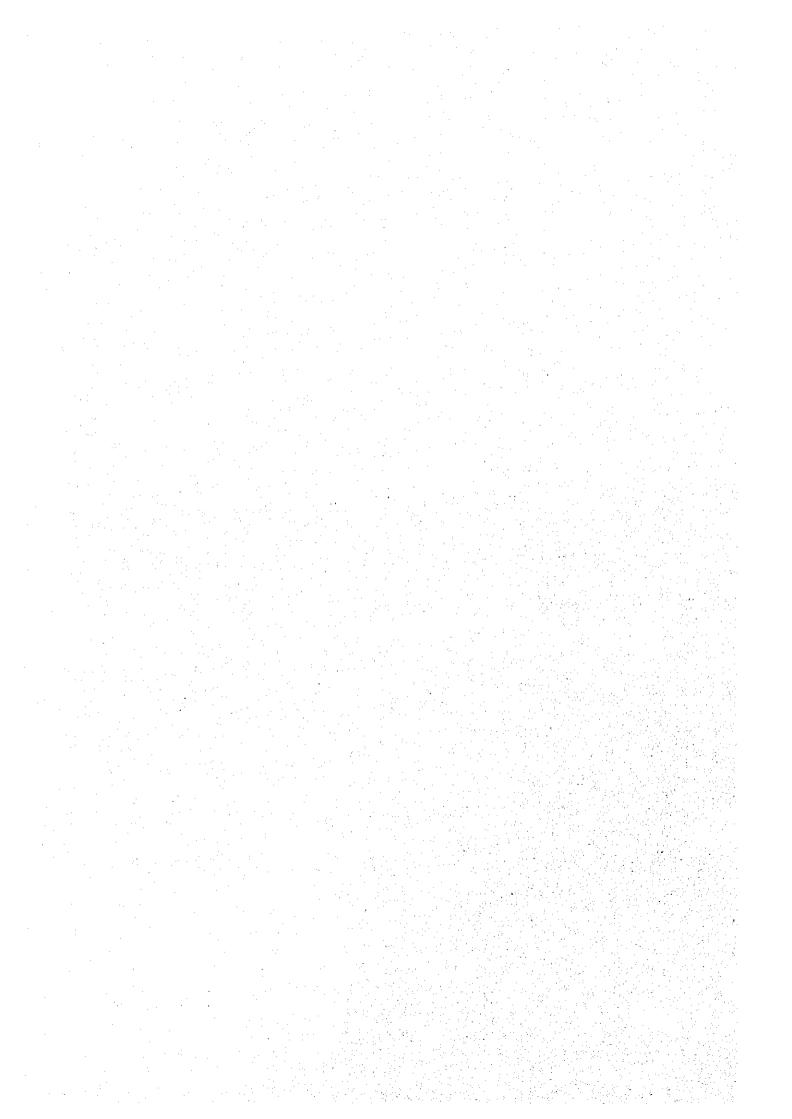


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SUPPORTING REPORTING D COST ESTIMATE

1 Cost Estimate

1.1 Introduction

This supporting report describes the details of the cost estimate for the structural measures proposed for the flood mitigation and the drainage improvement.

The structural measures of the project are mainly the enlargement of the river and drainage sections, the replacement of the bridges and the construction of the embankment. The cost estimate is calculated based on the unit cost and the criteria from the concerned organizations.

1.2 Basic Condition

The project cost is considered in general to compose of the following categories:

- 1) Construction cost
- 2) Management cost
- 3) Engineering service cost
- 4) Physical contingency
- 5) Operation and maintenance cost

The project cost was estimated based on the following criteria:

- The cost was calculated based on the market price in October, 1998,
- The labor cost, material cost and the equipment unit cost included the value added tax 13%.
- The cost estimate method was in principle same as that used by the CORDECRUZ.
- The cost was divided into the local and foreign currency and
- The currency exchange rate used was
 US\$ 1.0 = Bolivian Bs 5.50 = Japanese Yen 117

1.3 Construction Cost

The construction cost was composed of the main items as follows:

(1) Direct construction cost

Direct construction cost is the cost use directly for the construction as follows:

- 1) Earth work, including
 - Clearing and grubbing
 - Soil excavation
 - Soil transportation
 - Slope forming
 - Construction of the operation road
 - Reforestation

2) Construction of structure, including

- Bridge
- Box culvert

(2) Preparation cost

Preparation cost is the cost needed before the construction to set and clear up the construction site.

(3) Indirect cost

Indirect cost is the cost apart from the direct and preparation cost. The estimate of this cost is in the proportional to the direct cost as follows;

1)	Unforeseen cost	(5% of direct cost)
2)	Overhead charge	(10% of direct cost)
3)	Profit	(15% of direct cost)

1.3.1 Unit Cost

The labor cost, material cost and the unit cost for the equipment were calculated based on the cost investigation conducted in this Study, the CORDECRUZ and other concern organizations. The results are shown in Table D.1.40 to D.1.42.

1.3.2 Compound Unit Cost

The compound unit cost was considered as the summation of the labor cost, material cost and the equipment cost. A summary of this cost is shown in Table D.1.38 and D.1.39.

1.3.3 Currency Portion

The currency portion is classified into the foreign and local currency by the items as follows:

(1) Foreign currency

- Direct imported equipment, material and supplies,
- Domestic materials which were imported to the country,
- The cost for the expatriate of foreign personnel and
- The overhead and profit of the foreign companies

(2) Local currency

- Domestic materials which were exported from the country,
- The cost for local personnel,
- The overhead and profit of the local personnel and
- The overhead and profit of the local firms.

The cost portion of the foreign and local currency was estimated as follows:

L.C (%)	F.C (%)
100	0
100	0
100	0
100	0
0	100
100	0
100	0
0	100
	100 100 100 100 0

1.3.4 Construction Cost Estimate

The construction cost was estimated from the quantities multiplied by the unit cost as shown in the bill of quantities in Table D.1.3 to D.1.7. This cost included the cost for the river and drainage improvement and the construction of road-cum-embankment.

However, for the bridges and box culverts, the construction cost was estimated from the cost-curve prepared by using the data from the investigation as shown in Fig. D.1.1 and D.1.2.

1.3.5 Administration Cost

The administration cost included the cost of project management and supervision. This cost was estimated at 5% of the construction cost and considered as a part in the local currency.

1.3.6 Engineering Service Cost

The engineering service cost covered the cost for the detailed design and the construction supervision by the consultants. This portion was about 10% of the construction cost. The ratio of the detailed design and construction supervision is 60% and 40%.

1.3.7 Contingency

(1) Physical contingency

The physical contingency was set up to cope with some unpredictable conditions during the project implementation. A 15% of construction cost was set for this.

(2) Price contingency

The price contingency was set up for to cope with the inflation during the project implementation. From the investigation, the price contingency was estimated at 4% per annual for the foreign currency and 7% for the local currency.

1.3.8 Operation and Maintenance Cost

The operation and maintenance cost was considered as the cost for the routine operation and maintenance. This cost was estimated at 1% of the construction cost.

2. Project Cost

The project cost was estimated in accordance with the construction schedule as shown in Table D.1.9 to D.1.33.

The construction schedule was planned based on the capability of the equipment for construction because the civil works were considered as the main work. The project cost was estimated as shown in the break-down in Table D.1.1 to D.1.8. The construction work quantity and necessary equipment are summarized in Table D.1.43 to D.1.45.

TABLES

TABLE D.1.1 PROJECT COST OF CHANE - PAILON

Unit · Re

<u> </u>				Unit: BS.
Item	L/C	F/C	Total	Reference
A. Construction Cost	194,883,000	333,346,000	528,229,000	
1. Rio Chane	67,089,000	110,323,000	177,412,000	
River Improvement of Rio Chane	67,089,000	110,323,000	177,412,000	
2. Rio Pailon	104,616,000	178,298,000	282,914,000	
 Rio Pailon (downstream) 	80,262,000	138,751,000	219,013,000	
2) Rio Pailon (upstream)	16,170,000	25,402,000	41,572,000	
Rancho Chico	2,087,000	4,046,000	6,133,000	
4) Chaco	294,000	551,000	845,000	
5) Empalme II	1,907,000	3,616,000	5,523,000	
6) Pailon Secondary Drainage	3,896,000	5,932,000	9,828,000	
3. Okinawa Drainage	23,178,000	44,725,000	67,903,000	
1) Okinawa Main Drainage	15,767,000	31,032,000	46,799,000	
2) Okinawa Secondary Drainage	7,411,000	13,693,000	21,104,000	
B. Administration Cost	26,412,000	0	26,412,000	
C. Engineering Cost	10,564,000	42,259,000	52,823,000	
D. Physical Contingency	34,779,000	56,341,000	91,120,000	
Subtotal	266,638,000	431,946,000	698,584,000	
E. Price Contingency	165,492,000	146,936,000	312,428,000	
Total	432,130,000	578,882,000	1,011,012,000	
		2.0,002,000	,011,012,000	

TABLE D.1.2 PROJECT COST OF SAN JUAN - ANTOFAGASTA

Item	I/C	F/C	Total	Reference
A. Construction Cost	64,399,000	92,813,000	157,212,000	
1. San Juan	34,067,000	47,256,000	81,323,000	
1) Arroyo Yapacanicito	12,083,000	16,159,000	28,242,000	
2) San Juan Main Drainage 1	2,245,000	4,163,000	6,408,000	km 13,17
3) San Juan Main Drainage 2	4,403,000	6,286,000	10,689,000	km 11,15,24,28
4) Arroyo Tejeria	2,173,000	4,039,000	6,212,000	
5) Road-cum-embankment	3,233,000	1,357,000	4,590,000	
6) San Juan Secondary Drainage	9,930,000	15,252,000	25,182,000	
2. Antofagasta	30,332,000	45,557,000	75,889,000	
1) Arroyo Jochi	8,425,000	10,486,000	18,911,000	1
2) Arroyo Tacuaral	5,529,000	8,288,000	13,817,000	
3) Antofagasta Main Drainage	5,545,000	10,628,000	16,173,000	}
4) Antofagasta Secondary Drainage	10,833,000	16,155,000	26,988,000	-
B. Administration Cost	7,861,000	0	7,861,000	
C. Engineering Cost	3,144,000	12,577,000	15,721,000	
D. Physical Contingency	11,310,000	15,808,000	27,118,000	
Subtotal	86,714,000	121,198,000	207,912,000	
E. Price Contingency	44,843,000	36,307,000	81,150,000	
Total	131,557,000	157,505,000	289,062,000	

TABLE D.1.3 PROJECT COST OF RIO CHANE

Rio Chane				Unit : Bs.
Item	L/C	F/C	Total :	Reference
A. Rio Chane Constructuon Cost	67,089,000	110,323,000	177,412,000	
River Improvement of Rio Chane	67,089,000	110,323,000	177,412,000	
B. Administration Cost	8,871,000	0	8,871,000	
C. Engineering Cost	3,548,000	14,193,000	17,741,000	
D. Physical Contingency	11,926,000	18,677,000	30,603,000	
Subtotal	91,434,000	143,193,000	234,627,000	
E. Price Contingency	36,451,000	30,539,000	66,990,000	
Total	127,885,000	173,732,000	301,617,000	

TABLE D.1.4 PROJECT COST OF RIO PAILON Rio pailon

			Unit : Bs.
L/C	F/C	Total	Reference
104,616,000	178,298,000	282,914,000	
80,262,000	138,751,000		
16,170,000	25,402,000		
2,087,000	4,046,000		
294,000	551,000	845,000	
1,907,000	3,616,000	5,523,000	
3,896,000	5,932,000		
14,146,000	0		
5,658,000	22,634,000		
18,664,000	30,141,000	' '	
143,084,000	231,073,000	374,157,000	
115,959,000	103,041,000	219,000,000	
259,043,000	334,114,000	593,157,000	
	104,616,000 80,262,000 16,170,000 2,087,000 294,000 1,907,000 3,896,000 14,146,000 5,658,000 18,664,000 143,084,000 115,959,000	104,616,000 178,298,000 80,262,000 138,751,000 16,170,000 25,402,000 2,087,000 4,046,000 294,000 551,000 1,907,000 3,616,000 3,896,000 5,932,000 14,146,000 0 5,658,000 22,634,000 18,664,000 30,141,000 143,084,000 231,073,000 115,959,000 103,041,000	104,616,000 178,298,000 282,914,000 80,262,000 138,751,000 219,013,000 16,170,000 25,402,000 41,572,000 2,087,000 4,046,000 6,133,000 294,000 551,000 845,000 1,907,000 3,616,000 5,523,000 3,896,000 5,932,000 9,828,000 14,146,000 0 14,146,000 5,658,000 22,634,000 28,292,000 18,664,000 30,141,000 48,805,000 143,084,000 231,073,000 374,157,000 115,959,000 103,041,000 219,000,000

TABLE D.1.5 PROJECT COST OF OKINAWA Okinawa

Okinawa				Unit : Bs.
Item	L/C	F/C	Total !	Reference
A. Construction Cost	23,178,000	44,725,000	67,903,000	
1) Okinawa Main Drainage	15,767,000	31,032,000	46,799,000	
2) Okinawa Secondary Drainage	7,411,000	13,693,000	21,104,000	
B. Administration Cost	3,395,000	-	3,395,000	
C. Engineering Cost	1,358,000	5,432,000	6,790,000	
D. Physical Contingency	4,189,000	7,523,000	11,712,000	
Subtotal	32,120,000	57,680,000	89,800,000	
E. Price Contingency	13,082,000	13,356,000	26,438,000	
Total	45,202,000	71,036,000	116,238,000	

TABLE D.1.6 PROJECT COST OF SAN JUAN

San Juan				Unit: Bs.
Item	L/C	F/C	Total	Reference
A. Construction Cost	34,067,000	47,256,000	81,323,000	142,073,000
1) Arroyo Yapacanicito	12,083,000	16,159,000	28,242,000	
2) San Juan Main Drainage 1	2,245,000	4,163,000	6,408,000	km 13,17
3) San Juan Main Drainage 2	4,403,000	6,286,000	10,689,000	km 11,15,24,28
4) Arroyo Tejeria	2,173,000	4,039,000	6,212,000	4
5) Road-Cum-Embankment	3,233,000	1,357,000	4,590,000	
6) San Juan Secondary Drainage	9,930,000	15,252,000	25,182,000	
B. Administration Cost	4,066,000	0	4,066,000	
C. Engineering Cost	1,627,000	6,506,000	8,133,000	
D. Physical Contingency	5,964,000	8,064,000	14,028,000	
Subtotal	45,724,000	61,826,000	107,550,000	
E. Price Contingency	29,525,000	21,458,000	50,983,000	
Total	75,249,000	83,284,000	158,533,000	Í

TABLE D.1.7 PROJECT COST OF ANTOFAGASTA

Antotagasta				Unit: Bs.
ltem	L/C	F/C	Total	Reference
A. Construction Cost	30,332,000	45,557,000	75,889,000	····
1) Arroyo Jochi	8,425,000	10,486,000	18,911,000	
2) Arroyo Tacuaral	5,529,000	8,288,000	13,817,000	
3) Antofagasta Main Drainage	5,545,000	10,628,000	16,173,000	
4) Antofagasta Secondary Drainage	10,833,000	16,155,000	26,988,000	
B. Administration Cost	3,795,000	0	3,795,000	
C. Engineering Cost	1,517,000	6,071,000	7,588,000	
D. Physical Contingency	5,346,000	7,744,000	13,090,000	1 1 1 1 1 1 1 1 1
Subtotal	40,990,000	59,372,000	100,362,000	
E. Price Contingency	15,318,000	14,849,000	30,167,000	
Total	56,308,000	74,221,000	130,529,000	

TABLE D.1.8 CONSTRUCTION COST

CHANE - PAILON	Unit : Bs.

Item	Width	Depth	Length	A.,	Construction C	ost	B. Land
	(m)	(m)	(m)	1./P	F/P	Total	Acquisition
1.Rio Chane			26,354	67,089,000	110,323,000	177,412,000	0
Rio Chane	100 - 75	6	26,354	67,089,000	110,323,000	177,412,000	0
2. Rio Pallon			60,545	104,616,000	178,298,000	282,914,000	0
1) Rio Pilon (downstream)	70	5	23,632	80,262,000	138,751,000	219,013,000	0
2) Rio Pailon (upstream)	65	5	8,046	16,170,000			1
3) Rancho Chico	12	3.0	3,600	2,087,000			I
4) Chaco	18	3	1,472				
5) Empalme II	35	4	5,295				
6) Pailon Secondary Drainage	12	3	18,500	·			l
3.Okinawa Drainage			56,050				[
1) Okinawa Main Drainage	35	4	20,550			· · · · · · · · · · · · · · · · · · ·	
2) Okinawa Secondary Drainage	12	3	35,500				
Subtotal				194,883,000			0

SAN JUAN - ANTOFAGASTA Unit : Bs.

Item	Width	Depth	Length	A.	Construction C	ost	B. Land
	(m)	(m)	(m)	L/P	F/P	Total	Acquisition
1.Sun Juan			122,511	34,067,000	47,256,000	81,323,000	0
1) Arroyo Yapacanicito	<u>35 - 30</u>	3	17,363	12,083,000	16,159,000	28,242,000	0
2) San Juan Main Drainage (1)			7,522	2,245,000	4,163,000	6,408,000	0
km13	13	3	3,665	1,082,000	2,007,000	3,089,000	0
km17	12	3	3,857	1,163,000	2,156,000	3,319,000	0
3) San Juan Main Drainage ②		3	27,472	4,403,000	6,286,000	10,689,000	0
kmll	12	3	2,409	410,000	583,000	993,000	0
km15	13	3	8,927	1,604,000	2,323,000	3,927,000	0
km24		-	5,584	973,000	1,323,000	2,296,000	0
km28	9	2	10,552	1,416,000	2,057,000	3,473,000	0
4) Апоуо Тејегіа	22	4	8,160	2,173,000	4,039,000	6,212,000	0
5) Road Cum Embankment	9	·	9,000	3,233,000	1,357,000	4,590,000	0
6) San Juan Secondary Drainage	14	3	18,000	9,930,000	15,252,000	25,182,000	0
2. Antofagasta			49,396	30,332,000	45,557,000	75,889,000	0
1) Аттоуо Jochi	30 - 22	4	13,800	8,425,000	10,486,000	18,911,000	0
2) Arroyo Tacuaral	26	4	5,799	5,529,000	8,288,000	13,817,000	0
3) Antofagasta Main Drainage	28-25	4	8,797	5,545,000	10,628,000	16,173,000	0
4) Antofagasta Secondary Drainag	14	3	21,000	10,833,000	16,155,000	26,988,000	0
Subtotal				64,399,000	92,813,000	157,212,000	0
Total				259,282,000	426,159,000	685,441,000	0

TABLE D.1.9 DISBURSEMENT SCHEDULE OF CHANE-PAILON

Item		Amount					Year					-	
		L	2,001	2,002	2,003	2,004	2,005	2,006	2.007	2,008	2,009	2.010	2.011
A. Construction Cost	Total	528,229,000	0	28,079,000	80,814,000	66,425,000	57,555,000	59,238,000	74,333,000	61,691,000	76,898,000	23,196,000	
	2/2	194,883,000	0	9,460,000	29,788,000	25,064,000	21,710,000	21,706,000	27,140,000	22,541,000	28,656,000	8,818,000	
	7/0	333,346,000	0	18,619,000	51,026,000	41,360,000	35.844,000	37,533,000	47.193,000	39,151,000	48,239,000	14.381.000	
B. Land Acquisition	Total	0	٥	0	0	0	0	0	0	0	0	•	
•	2	0	0	0	0	-6-	0	0	0	•	0	0	
	2/2	0	0	<u>-</u> 0	0	0	0	٥	0	0	0	0	-
C. Administration Cost	Total	26,412,000	0	1,404,000	4,041,000	3,322,000	2,878,000	2,962,000	3,717,000	3,085,000	3,845,000	1,158,000	
(5% of Item A + B)	1,	26,412,000	0	1,404,000	4,041,000	3,322,000	2,878,000	2,962,000	3,717,000	3,085,000	3,845,000	1,158,000	
LConly	ر پر	•	0	0	0	0	0	٥	0	0	٥	0	
D. Engineering Cost	Total	52,823,000	468,000	4,582,000	7,922,000	6,642,000	6,172,000	5,985,000	7,433,000	000'685'9	5,500,000	1,530,000	
(10% of Item A)	2/1	10,564,000	94,000	917,000	1,584,000	1,329,000	1,234,000	1,197,000	1,488,000	1,318,000	1,100,000	303,000	
1.C 20% F.C. 80%	7/C	42 259,000	374,000	3,665,000	6,340,000	5,314,000	4,936,000	4,788,000	5,947,000	5,270,000	4,401,000	1,224,000	
Subtotal (1)	Total	607,464,000	468,000	34,065,000	92,779,000	76,389,000	66,602,000	68,186,000	85,485,000	71,365,000;	86,241,000	25,884,000	
(Item A+B+C+D)	2	231,859,000	94,000	11,781,000	35,413,000	29,715,000	25,822,000	25,865,000	32,345,000	26,944,000	33,601,000	10,279,000	
	F/C	375,605,000	374,000	22,284,000	57,366,000	46,674,000	40,780,000	42,321,000	53,140,000	44,421,000	52,640,000	15,605,000	
E. Physical Contingency	Total	91,120,000	70,000	5,110,000	13,915,000	11,458,000	9,991,000	10,228,000	12,822,000	10,706,000	12,936,000	3,884,000	
(15% of Subtotal (1))	\ \ \ !	34,779,000	14,000	1,767,000	5,311,000	4,457,000	3,874,000	3,880,000	4,852,000	4,041,000	5,039,000	1,544,000	
	F/C	56,341,000	26,000	3,343,000	8,604,000	7,001,000	6,117,000	6,348,000	7,970,000	6,665,000	7.897.000	2,340,000	
Subtotal (2)	Total	698,584,000	538,000	39,175,000	106,694,000	87,847,000	76,593,000	78,414,000	98,307,000	82,071,000	99,177,000	29,768,000	
(Item A+B+C+D+E)	2/1	266,638,000	108,000	13,548,000	40,724,000	34,172,000	29,696,000	29,745,000	37,197,000	30,985,000	38,640,000	11,823,000	
	- 2 - 2	431,946,000	430,000	25,627,000	65,970,000	53,675,000	46,897,000	48,669,000	61,110,000	21,086,000	60,537,000	17,945,000	
F. Price Contingency	Total	312,428,000	51,000	6,249,000	23,862,000	25,383,000	27,313,000	33,394,000	49,238,000	47,606,000	66,444,000	32,888,000	
(L/C-7%)	2	165,492,000	16,000	3,049,000	12,657,000	13,755,000	14,870,000	18,018,000	26,714,000	25,980,000	37,371,000	13,062,000	
(F/C-4%)	E/C	146,936,000	35,000	3,200,000	11,205,000	11,628,000	12,443,000	15,376,000	22, 524,000	21,626,000	29,073,000	19,826,000	
Total	Total	1,011,012,000	289,000		130,556,000	113,230,000	103,906,000	111,808,000	147,545,000	129,677,000	165,621,000	62,656,000	
(Item A+B+C+D+E+F)	1/0	432,130,000	124,000	16,597,000	53,381,000	47,927,000	44,566,000	47,763,000	63,911,000	56,965,000	76,011,000	24,885,000	
	F/C	578,882,000	465,000	28,827,000	77.175.000	65,303,000	59,340,000	64,045,000	83,634,000	72,712,000	89,610,000	37,771,000	
O.M.Cost	Total	50,226,000	0	0	368,000	1,527,000	2,632,000	3,742,000	5,022,000	6.741,000	8,430,000	10,639,000	11,125,000
1.O.M.Cost	2/1	26,786,000	0	0	281,000	1,089,000	1,747,000	2,319,000	2,757,000	3,457,000	4,223,000	5,330,000	5,583,000
2.Price Contingency	F/C	23,558,000	0	0	87,000	438,000	878,000	1,412,000	2,099,000	3,074,000	4,145,000	5.585.000	5.840.000

TABLE D.1.10 DISBURSEMENT SCHEDULE OF SAN JUAN-ANTOFAGASTA

3,314,000 1,574,000 .740.000 2,011 Ö $\overline{\circ}$ 674,000 120,000 485,000 780,000 324,000 3,229,000 1,361,000 2,576,000 504,000 2,479,000 3,517,000 6,246,000 2475,000 2 242,000 3,942,000 5,216,000 2,155,000 061,000 456,000 5,996,000 3,771,000 4,954,000 1,534,000 674,000 7,288,000 2010 0 21,108,000 8.070,000 13,039,000 0 438,000 14,791,000 3,681,000 1,462,000 2,219,000 28,217,000 16,177,000 9,085,000 44,394,000 20,292,000 24,102,000 2,599,000 1 322,000 ,237,000 1,237,000 2,192,000 1,752,000 24,536,000 9,745,000 11,207,000 .277.000 17,010,000 7,092,000 2,009 25,680,000 10,179,000 1,272,000 29,496,000 33,920,000 17.584.000 51,504,000 23,742,000 1,958,000 2,036,000 7,537,000 4,424,000 13,753,000 20,167,000 15.501,000 2,544,000 508,000 11,959,000 1,794,000 9.989,000 1,064,000 1,272,000 2,630,000 7.595,000 27,762,000 894,08 2,008 9,422,000 43,843,000 23,241,000 13,819,000 452,000 26,519,000 15,627,000 30,497,000 13,346,000 1,430,000 832,000 1,018,000 2,261,000 1,808,000 10,892,000 3,978,000 1,634,000 2,344,000 12,526,000 17,971,000 7,576,000 5,770,000 20,102,000 23,741,000 1,018,000 598,000 2007 0 Ö 789,000 789,000 34,000 23,141,000 8,414,000 655,000 397,000 17,612,000 7,164,000 20,123,000 8,297,000 3,018,000 1,243,000 .775,000 9,540,000 13,601,000 4,730,000 31,555,000 14,270,000 1,052,000 10,450,000 1,719,000 .376,000 11.826,000 3,684,000 7,285,000 2,006 18,586,000 ō 1,314,000 11,130,000 0 930,000 373,000 705,000 0 930,000 32,237,000 469,000 7,457,000 1,859,000 1,486,000 21,376,000 8,760,000 2,616,000 3,207,000 24,583,000 10,074,000 14,509,000 7,654,000 4,247,000 4,321,000 17.916,000 236,000 1,893,000 3,407,000 2,005 ¥ 511,000 10,446,000 4,181,000 6,266,000 0 445,000 445,000 207,000 823,000 11,922,000 000,680,7 726,000 13,712,000 16,819,000 7,200,000 364,000 147,000 1,029,000 4,833,000 1,790,000 1,064,000 5,559,000 3,107,000 1,641,000 8,153,000 1,466,000 9,619,000 2,004 0 23,390,000 598,000 598,000 9,358,000 0,729,000 285,000 217,000 14,817,000 8,376,000 16,834,000 2,524,000 8,419,000 4,032,000 2,310,000 6,441,000 1,419,000 283,000 1,136,000 7,322,000 9,512,000 1,097,000 1,427,000 0,939,000 722,000 68,000 2,661,000 2,003 898,000 23,735,000 17,946,000 8,342,000 9,604,000 0 898,000 359,000 20,639,000 11,040,000 3,096,000 1,656,000 4,069,000 27,804,000 13,523,000 46,000 38,000 1,795,000 ,436,000 9,599,000 1,440,000 11,039,000 12,696,000 2,484,000 8.000 1.585,000 14,281,000 2,002 1,782,000 620,000 344,000 521,000 299,000 4,133,000 276,000 4,753,000 0 0 0 3,834,000 2,052,000 60,000 2,291,000 306,000 215,000 5,274,000 2,424,000 ,842,000 2,118,000 2,850,000 239,000 ,635,000 2,001 0 57,212,000 64,399,000 92,813,000 7,861,000 7,861,000 3,144,000 80,794,000 75,404,000 27,118,000 11,310,000 15,808,000 207,912,000 86,714,000 81,150,000 44,843,000 289.062.000 131,557,000 15,721,000 12,577,000 05,390,000 36,307,000 57,505,000 15,129,000 8,069,000 21,198,000 7,060,000 4 mount 1/c F/C 2/2 2 Z 2 2 2/2 S 1/0 7/C 7/C Total FC 1/0 Total Total Total Total F/C Total F/C Total Total Total Total Item A+B+C+D+E+F) (5% of Item A+B) E. Physical Contingency (15% of Subtotal (1)) (Item A+B+C+D+E) L.C.20%, F.C. 80% C. Administration Cost Item A+B+C+D) (10% of Item A) A. Construction Cost D. Engineering Cost F. Price Contingency (1/0-1%) B. Land Acquisition Subtotal (1) Subtotal (2) 2. Price Contingency (F/C-4%) L/C only Total Item 1.O.M.Cost O.M.Cost

TABLE D.1.11 DISBURSEMENT SCHEDULE OF RIO CHANE

Item		Amount					Year						
		<u> </u>	2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2.010	2.011
A. Construction Cost	Total	177,412,000		0	62,094,000	62,094,000	53,224,000						
	2	67,089,000		0	23,481,000	23,481,000	20,127,000						
	F/C	110,323,000		0	38,613,000	38.613,000	33.097.000						
B. Land Acquisttion	Total	0		0	0	0	0				,		
	1/C	0		٥	0	0	0						
	F/C	0		0	٥	0	0						
C. Administration Cost	Total	8,871,000		0	3,105,000	3,105,000	2,661,000						
(5% of Item A+B)	7,0	8.871,000		0	3,105,000	3,105,000	2,661,000						
L/C only	F/C	0		0	0	0	0						
D. Engineering Cost	Total	17,741,000		1,774,000	6,209,000	6,209,000	3,549,000				• •		
(10% of Item A)	2/2	3,548,000		355,000	1,242,000	1,242,000	200,000						
L.C.20%, F.C. 80%	F/C	14,193,000		1,419,000	4,968,000	4,968,000	2,838,000		}				
Subvotal (1)	Total	204,024,000		1,774,000	71,409,000	71,409,000	59,432,000						
(Item A+B+C+D)	1/c	79,508,000		355,000	27.828,000	27,828,000	23,497,000				. =		
	F/C	124,516,000		1,419,000	43.581.000	43,581,000	35,935,000			!			
E. Physical Contingency	Total	30,603,000	•	266,000	10,711,000	10,711,000	8,915,000						
(15% of Subtotal(1))	2/0	11,926,000		53,000	4,174,000	4,174,000	3,525,000						
	F/C	18,677,000		213,000	6,537,000	6,537,000	5,390,000						
Subtotal (2)	Total	234,627,000		2,040,000	82,120,000	82,120,000	68,347,000						
(Item A+B+C+D+E)	7	91,434,000		408,000	32,002,000	32,002,000	27,022,000						
	F/C	143,193,000		1,632,000	50,118,000	50,118,000	41,325,000						
F. Price Contingency	Total	000'066'99	0	296,000	18,459,000	23,740,000	24,495,000	0	<u></u>	0	0	•	
(L/C*1%)	2/1	36,451,000	0	92,000	9,946,000	12,882,000	13,531,000	0	0	0	0	۰	
(F/C-4%)	F/C	30,539,000	0	204,000	8,513,000	10,858,000	10,964,000	0	٥	٥	0	0	
Total	Total	301,617,000	0	2,336,000	100,579,000	105,860,000	92,842,000	0	6	0	0	O	
(Item A+B+C+D+E +F)	2	127,885,000	0	200,000	41,948,000	44,884,000	40,553,000	0	0	0	0	0	
	F/C	173,732,000	0	1,836,000	58,631,000	000'926'09	52,289,000	0	٥	0	0	0	
O.M.Cost	Total	22,851,000		0	0	871,000	1,864,000	2,849,000	3,048,000	3,261,000	3,490,000	3,734,000	3,734,000
1.O.M.Cost	2/2	12,507,000		0	0	621,000	1,242,000	1,774,000	1,774,000	1,774,000	1,774,000	1,774,000	1,774,000
2. Price Contingency	1/0	10.344,000		٥	0	250,000	622,000	1,075,000	1,274,000	1,487,000	1,716,000	1,960,000	1.960.000

TABLE D.1.12 DISBURSEMENT SCHEDULE OF RIO PAILON

Item		Amount					Year				}		
			2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011
A. Construction Cost	Total	282,914,000	0	0	0	1,376,000	1,376,000	56,178,000	70,956,000	58,631,000	73,943,000	20,454,000	
	2/1	104,616,000	0	0	0	545,000	545,000	20,631,000	25,954,000	21,466,000	27,618,000	7,857,000	
	F/C	178,298,000	0	0	0	830,000	830,000	35,548,000	45,002,000	37,166,000	46.322.000	12,600.000	
B. Land Acquisition	Total	0	0	0	0	0	0	0	0	0	0	•	•
	2/1	0	0	0	•		0	0	٥	0	0	0	
	F/C	0	0	0	0	0	٥	0	٥	0	٥	0	
C. Administration Cost	Total	14,146,000	0	0	٥	69,000	000.69	2,809,000	3,548,000	2,932,000	3,697,000	1.022,000	
(5% of Item A+B)	1/0	14,146,000	0	0	0	000'69	000'69	2,809,000	3,548,000	2,932,000	3,697,000	1,022,000	
LC onto	F/C	0	0	0	0	0	Ö	Ó	Ö	٥	٥	0	
D. Engineering Cost	Total	28,292,000	0	0	000'86	138,000	2,328,000	5,679,000	7,095,000	6,283,000	5,205,000	1,466,000	
(10% of Item A)	1, C	5,658,000	0	0	20,000	28,000	466,000	1,136,000	1,420,000	1,257,000	1,041,000	290,000	
L.C.20%, F.C. 80%	F/C	22,634,000	0	C	79,000	110,000	1,862,000	4,543,000	5,677,000	5,025,000	4,165,000	1.173.000	
Subtotal (1)	Total	325,352,000	0	0	000'66	1,582,000	3,772,000	64,667,000	81,601.000	67.846,000	82,843,000	22,942,000	
(Item A+B+C+D)	2/2	124,420,000	0	٥	20,000	642,000	1,080,000	24,576,000	30,922,000	25,655,000	32,356,000	9,169,000	
	F/C	200,932,000	0	0	79,000	940,000	2,692,000	40,091,000	50.679.000	42,191,000	50,487,000	13.773.000	
E. Physical Contingency	Total	48,805,000	0	0	15,000	237,000	266,000	9,700,000	12,240,000	10,178,000	12,426,000	3,443,000	, -
(15% of Subtotal (1))	0/1 1	18,664,000	0	0	3,000	8,000	162,000	3,687,000	4.639,000	3,848,000	4,852,000	1,377,000	***
	F/C	30,141,000	0	0	12,000	141,000	404,000	6,013,000	7,601,000	6,330,000	7,574,000	2 066.000	
Subtotal (2)	Total	374,157,000	0	0	114,000	1,819,000	4,338,000	74,367,000	93,841,000	78,024,000	95,269,000	26,385,000	
(Item A+B+C+D+E)	1/c	143,084,000	0	0	23,000	738,000	1,242,000	28,263,000	35,561,000	29,503,000	37,208,000	10,546,000	
	F/C	231,073,000	0	0	91,000	1.081,000	3,096,000	46,104,000	58,280,000	48,521,000	58,061,000	15,839,000	
F. Price Contingency	Total	219,000,000	0	0	22,000	531,000	1,444,000	31,686,000	47,020,000	45,277,000	63,870,000	29,150,000	
(T/C=1%)	1/c	115,959,000	0	0	7,000	297,000	622,000	17,120,000	25,539,000	24,737,000	35,986,000	11,651,000	•
(F/C•4%)	F/C	103.041.000	0	0	15,000	234.000	822,000	14,566,000	21,481,000	20,540,000	27,884,000	17,499,000	
Total	Total	593,157,000	0	0	136,000	2,350,000	5,782,000	106,053,000	140,861,000	123,301,000	159,139,000	55,535,000	
(Item A+B+C+D+E+F)	1/c	259,043,000	0	0	30,000	1,035,000	1,864,000	45,383,000	61,100,000	54,240,000	73,194,000	22 197,000	
	F/C	334,114,000	0	0	106,000	1,315,000	3,918,000	60,670,000	79,761,000	69,061,000	85,945,000	33,338,000	
O.M.Cost	Total	18,668,000	0	0	0	0	21,000	45,000	1,014,000	2,390,000	3,712,000	5.528,000	5.958,000
1.O.M.Cost	2/2	9,275,000	0	0	0	O	14,000	28,000	290,000	1,300,000	1,887,000	2,626.000	2,830,000
2. Price Contingency	7/C	9.393.000	0	0	0	0	7.000	17,000	424,000	1.090.000	1.825.000	2,902,000	3.128.000

TABLE D.1.13 DISBURSEMENT SCHEDULE OF RIO PAILON DOWNSTREAM

2.191.000 2,421,000 4,612,000 2.013 0 Ô 2,191,000 Ö 0 4,612,000 2,421,000 2,010 0 438,000 16,051,000 27,750,000 2,190,000 2190,000 2,191,000 1,753,000 48,182,000 18,679,000 7,227,000 2,801,000 4,426,000 55,409,000 21,480,000 37,068,000 20,774,000 92,477,000 3,448,000 1,753,000 .695.000 43,803,000 42,254,000 50,223,000 16,294,000 88 0 72,412,000 27.484.000 42,063,000 23,044,000 \$4,753,000 20,066,000 0 62,967,000 23,899,000 9,445,000 19,019,000 114,475,000 63,947,000 2,215,000 2,738,000 5,475,000 1,095,000 4,380,000 39,068,000 3,585,000 5,860,000 50,528,000 1,205,000 2,738,000 44,928,000 000'010' 34,688,000 2.008 130,450,000 75,559,000 86.893.000 32,980,000 942,000 548,000 43,557,000 26,666,000 394,000 65,704,000 24,079,000 6,570,000 1,314,000 28,678,000 11,334,000 4,302,000 53,913,000 23,686,000 19,871,000 73,784,000 41,625,000 3,285,000 3,285,000 5.256,000 46,881,000 7,032,000 2,007 3,585,000 30,843,000 54,753,000 34,688,000 62,967,000 23,899,000 9,445,000 72,412,000 44,928,000 16,649,000 103,255,000 20,066,000 27,484,000 14,194,000 44,133,000 59,122,000 5,475,000 1,095,000 4,380,000 39,068,000 5,860,000 2,738,000 2,738,000 2,006 0 0 329,000 900,99 787,000 252,000 756,000 Ö ō 438,000 2,190,000 263,000 535,000 3,306,000 2,190,000 438,000 2,519,000 504,000 .550,000 ,752,000 2,015,000 .752,000 2,005 Š Ö c Ö ō O 0 0 4,00<u>4</u> 0 õ 0 2,003 2,002 0 5 0 2001 10,951,000 21,901,000 4,380,000 17,521,000 251,865,000 95,593,000 56,272,000 37,780,000 14,339,000 23,441,000 289,645,000 109,932,000 79,713,000 154,318,000 84,405,000 219,013,000 80,262,000 38,751,000 10,951,000 59,913,000 43,963,000 94,337,000 249,626,000 15,829,000 7,888,000 7,941,000 Amount 2 1/0 c C S ? c L 2 2,0 2 Total Total Total Total Total Total Total Total TO TO Total Item A+B+C+D+E+F) .C.20%, F.C. 80% (15% of Subtotal (1)) (Item A+B+C+D+E) (5% of Item A + B) E. Physical Contingency C. Administration Cost Item A+B+C+D) (10% of Item A) 4. Construction Cost F. Price Contingency D. Engineering Cost B. Land Acquisition Subtotal (1) Subtotal (2) (1/C-1%) 2. Price Contingency (F/C=4%) LC only Total Item 1.O.M.Cost O.M.Cost

TABLE D.1.14 DISBURSEMENT SCHEDULE OF RIO PAILON UPSTREAM

)

Ĭtem		Amount					Year						
			2,001	2,002	2,003	2,004	2,005	2,006	2,007	2.008	2,009	2,010	2,011
A. Construction Cost	Total	41,572,000								0	24,943,000	16,629,000	
	, , ,	16,170,000								•	9,702,000	6,468,000	
	F/C	25,402,000								0	15,241,000	10.161,000	
B. Land Acquisition	Total	0								•	0	0	
	\ \ \ \	0	-							•	٥	٥	
	F/C	ļo								0	0	Ç	
C. Administration Cost	Total	2,079,000								0	1,247,000	832,000	
(5% of Item A+B)	2	2,079,000								0	1,247,000	832,000	
L/C only	F/C	0								0	0	٥	
D. Engineering Cost	Total	4,157,000		- 1-7 P - 10-1-1						416,000	2,494,000	1,247,000	
(10% of Item A)	2	831,000								83,000	78,000	249,000	
L.C.20%, F.C. 80%	F/C	3,326,000								333,000	1,996,000	997.000	
Subtotal (1)	Total	47,808,000	,							416,000	28,685,000	18,707,000	
(Item A+B-C-D)	1/c	19,080,000								83,000	11,448,000	7,549,000	
	F/C	28,728,000								333,000	17,237,000	11,158,000	
E. Physical Contingency	Total	7,171,000							0	62,000	4,303,000	2,806,000	
(15% of Subtotal (1))	1/0	2,862,000							0	12,000	1,717,000	1,133,000	
	2/0	4,309,000							0	50,000	2,586,000	1,673,000	
Subtotal (2)	Total	54,979,000			•				0	478,000	32,988,000	21,513,000	
(Item A+B+C+D-E)	2/2	21,942,000					_		0	000'56	13,165,000	2,682,000	
	F/C	33,037,000					_		0	383,000	19,823,000	12,831,000	
F. Price Contingency	Total	46,263,000	0	0	0	0	0	0	0	242,000	22,253,000	23,768,000	
(L/C-7%)	2	22,405,000	٥	0	0	0	0	0	•	80,000	12,733,000	9.592,000	
(F/C-4%)	F/C	23,858,000	0	0	0	0	0	0	0	162,000	9.520,000	14,176,000	
Total	Total	101,242,000	0	0	0	0	0	0	0	720,000	55,241,000	45,281,000	
(Item A+B+C+D+E+F)	2	44,347,000	٥	0	0	0	0	0	0	175,000	25,898,000	18,274,000	
	F/C	56,895,000	0	0	0	0	0	0	0	545,000	29,343,000	27,007,000	
O.M.Cost	Total	1,398,000		0	0	0	0	0	0	0	0	524,000	874,000
1.O.M.Cost	\ \ \ \	664,000		0	0	0	0	0	0	0	0	249,000	415,000
2. Price Contingency	ر د د	734,000		0	0	Ċ	-	0	0		G	25,000	450 000

TABLE D.1.15 DISBURSEMENT SCHEDULE OF RANCHO CHICO

-		Amount					Year			•			
		L	2,001	2,002	2,003	2,004	2,005	2,006	2.007	2.008	2.009	2.010	2.011
A. Construction Cost	Total	6,133,000						0	3,680,000	2,453,000			
	2/2	2,087,000				-		0	1,252,000	835,000			
	E/C	4,046,000						٥	2,428,000	1,618,000			
B. Land Acquisition	Total	ō		. 175.75 (8.08				0	•	0			
	1/0/1	0						٥	Ó	0		• •	
	F/C	0						0	Ö	0	-		
C. Administration Cost	Total	307,000						0	184,000	123,000			
(5% of Item A+B)	0/1	307,000						0	184,000	123,000			
UC only	F/C	0						0	0	0			ı.
ost	Total	614,000						61,000	368,000	185,000			
^	- o/1	123,000						12,000	74,000	37,000	,, •.		
	F/C	491,000						49,000	295,000	147.000			***************************************
	Total	7,054,000				_		61,000	4,233,000	2,760,000			
(Item A+B+C+D)		2,517,000						12,000	1,510,000	000'566			
•	F/C	4,537,000						49,000	2,723,000	1,765,000			
E. Physical Contingency	Total	1,059,000						9,000	635,000	415,000			
(15% of Subtotal(1)) I	1/c	378,000						2,000	227,000	149,000			
	F/C	681,000			. — .			7,000	408,000	266,000		}	
Subtotal (2)	Total	8,113,000						70,000	4,868,000	3,175,000			
(Item A+B+C+D+E) I	1/c	2,895,000						14,000	1,737,000	1,144,000			
1	F/C	5.218.000						\$6,000	3,131,000	2,031,000			
F. Price Contingency	Total	4,246,000	0	0	0	0		26,000	2,401,000	1,819,000	0	0	
(1/0-7%)	2/1	2,214,000	0	0	0	0	6	8,000	1,247,000	000'656	٥	0	
(F/C-4%)	F/C	2,032,000	0	0	0	0	0	18,000	1,154,000	860,000	٥	0	
Total	Total	12,359,000	0	0	0	0	0	000'96	7,269,000	4,994,000	0	0	
(Item A+B+C+D+E+F) I	1/c	5,109,000	0	0	0	0	0	22,000	2,984,000	2,103,000	Ö	•	
1	F/C	7,250,000	0	0	0	0	0	74,000	4,285,000	2,891,000	0	0	
O.M.Cost	Total	452,000		•	0	0	0	0	0	000'89	122,000	131,000	131,000
1.O.M.Cost	- C	223,000		0	0	0	0	0	0	37,000	62,000	62,000	62,000
2. Price Contingency 1	1/0	229.000	•	0	0	0	0	0	0	31.000	90.000	69.000	69.000

TABLE D.1.16 DISBURSEMENT SCHEDULE OF CHACO

17,000 8.000 9.000 2.011 118,000 220,000 00 17,000 17,000 25,000 5,000 20,000 380,000 40,000 57,000 21,000 338,000 240,000 36,000 437,000 61,000 276,000 83,000 78,000 305,000 920,000 11,000 339,000 581,000 5.000 2.010 507,000 176,000 51,000 41.000 000.88 331,000 25,000 25,000 10,000 583,000 211,000 372,000 32,000 671,000 243,000 441,000; 96,000 428,000 235,000 206,000 1,112,000 478,000 634,000 0 0 2,009 0 Ö 000 000 000 188 7,000 2,000 1,000 10,000 2,000 0003 7,000 8 15,000 0 0 0 8.000 5,000 2000 000 3,000 80.11 2,008 000 2,007 00 000 2,006 00 000 000 2,005 Хевг 000 2,004 000 0 0 0 000 2,003 000 0 0 0 000 2,002 000 000 2001 294,000 551,000 42,000 42,000 845,000 17,000 68,000 972,000 353,000 619,000 146,000 53,000 93,000 1,118,000 406,000 712,000 929,000 415,000 821,000 13,000 514,000 2,047,000 Amount 2/0 7 r C 1/c Total Total Total F/C Total 2 Total \<u>C</u> r/c ζ Total Total Total Total Item A+B+C+D+E+F) E. Physical Contingency (15% of Subtotal (1)) C. Administration Cost (5% of Item A + B) L.C.20%, F.C. 80% (Item A+B+C+D+E) (Item A+B+C+D) (10% of Item A) A. Construction Cost D. Engineering Cost . Price Contingency B. Land Acquisition Subtotal (1) Subtotal (2) (L/C-7%) 2. Price Contingency (F/C-4%) L/C only Total Item 1.O.M.Cost O.M.Cost

TABLE D.1.17 DISBURSEMENT SCHEDULE OF EMPALME II

Item		Amount					Year					•	
			2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011
A. Construction Cost	Total	5,523,000								0	3,314,000	2,209,000	
	2/1	1,907,000								0	1,144,000	763,000	
	F/C	3,616,000								٥	2,170,000	1,446,000	
B. Land Acquistion	Total	0								0	O	0	
•	2/1	0		,						0	0	0	
	7/C	0								0	0	٥	
C. Administration Cost	Total	276,000								0	166,000	110,000	
(5% of Item A+B)	2/1	276,000								0	166,000	110,000	
LCont	2/3	0								0	0	0	
D. Engineering Cost	Total	552,000				:				25,000	331,000	166,000	
(10% of Item A)	1/0	110,000								11,000	000'99	33,000	
L.C.20% F.C. 80%	5/c	442,000								44,000	265,000	133,000	!
Subtotal (1)	Total	6,351,000								55,000	3,811,000	2,485,000	
(Item A+B+C+D)	1/0	2,293,000								11,000	1,376,000	000,906	
	F/C	4,058,000								44,000	2,435,000	1,579,000	
E. Physical Contingency	Total	953,000						~~~		000.6	\$71,000	373,000	
(15% of Subtotal(1))	2/2	344,000		•						2,000	206,000	136,000	
	F/C	900.000								7,000	365,000	237,000	
Subtotal (2)	Total	7,304,000								64,000	4,382,000	2,858,000	
(Item A+B+C+D+E)	, ,	2,637,000				-				13,000	1,582,000	1,042,000	
	7/C	4,667,000								51.000	2,800,000	1,816,000	
F. Price Contingency	Total	000'590'9	0	0	0	0	0	•	٥	33,000	2,875,000	3,157,000	
(1/C=1%)	20/2	2,692,000	0	0	0	0	•	•	٥	11,000	1,530,000	1,151,000	
(F/C-4%)	F/C	3,373,000	0	0	0	0	0	0	٥	22,000	1,345,000	2,006,000	
Total	Total	13,369,000	0	0	0	•			0	97,000	7,257,000	6,015,000	
(Item A+B+C+D+E+F)	2/7	5,329,000	Ô	0	0	•	•	•	0	24,000	3,112,000	2,193,000	
	F/C	8,040,000	0	0	0	٥	٥	0	0	73,000	4,145,000	3,822,000	
O.M.Cost	Total	185,000		0	0	0	0	•	•	0	0	000'69	116,000
1.O.M.Cost	2/2	83,000		0	٥	•	0	•	-6	0	0	33,000	\$5,000
2.Price Contingency	1/0	97,000		0	0	٥	0	0	0	-	0	36,000	61.000

TABLE D.1.18 DISBURSEMENT SCHEDULE OF PAILON SECONDARY DRAINAGE

Item		Amount					Year						
			2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2.01:
A. Construction Cost	Total	9,828,000	· · ·		0	1,376,000	1,376,000	1,425,000	1,572,000	1,425,000	1,376,000	1,278,000	
	1/0	3,896,000			0	545,000	545,000	\$65,000	623,000	\$65,000	\$45,000	208,000	
	F/C	5,932,000			0	830,000	830,000	860,000	949,000	860,000	830,000	773,000	,
B. Land Acquisition	Total	0			0	0	0	0	0	0	0	0	
-	1/0	0			0	0	Õ	0	0	0	0	0	
	F/C	0			0	0	0	٥	0	0	0	0	
C. Administration Cost	Total	491,000			0	000'69	000'69	71,000	79,000	71,000	000'69	63,000	
(5% of Item A+B)	2/2	491,000			0	000'69	000.69	71,000	79,000	71,000	000.69	63,000	
L/C only	F/C	0			0	0	0	0	0	0	0	0	
D. Engineering Cost	Total	983,000			000'86	138,000	138,000	143,000	157,000	143,000	138,000	28,000	
(10% of Item A)	2	197,000			20,000	28,000	28,000	29,000	32,000	29,000	28,000	3,000	
L.C.20%, F.C. 80%	7/2	786,000			79,000	110,000	110,000	114,000	126,000	114,000	110,000	23,000	
Subtotal (1)	Total	11,302,000			000'66	1,582,000	1,582,000	1,639,000	1,809,000	1,639,000	1,582,000	1,370,000	
(Item A+B+C+D)	2	4,584,000			20,000	642,000	642,000	665,000	734,000	900,599	642,000	574,000	
	F/C	6,718,000			79,000	940,000	940,000	974,000	1,075,000	974,000	940,000	796,000	
E. Physical Contingency	Total	1,696,000			15,000	237,000	237,000	246,000	271,000	246,000	237,000	207,000	
(15% of Subtotal (1))	1/2	688,000			3,000	96,000	000'96	100,000	110,000	100,000	000*96	87,000	
	F/C	1,008,000			12,000	141,000	141,000	146,000	161,000	146,000	141,000	120,000	
Subtotal (2)	Total	12,998,000			114,000	1,819,000	1,819,000	1,885,000	2,080,000	1,885,000	1,819,000	1,577,000	
(Item A+B+C+D+E)	2/2	5,272,000		_	23,000	738,000	738,000	765,000	844,000	765,000	738,000	661,000	
	F/C	7,726,000			91.000	1,081,000	1,081,000	1,120,000	1,236,000	1,120,000	1.081.000	916,000	
F. Price Contingency	Total	7,179,000	0	0	22,000	531,000	657,000	817,000	1,062,000	1,115,000	1,233,000	1,742,000	
(L/C=7%)	2,	3,828,000	0	0	7,000	297,000	370,000	463,000	000'909	641,000	714,000	730,000	
(F/C=4%)	5/C	3,351,000	0	0	15,000	234,000	287,000	354,000	456,000	474,000	519,000	1,012,000	
Total	Total	20,177,000	0	0	136,000	2,350,000	2,476,000	2,702,000	3,142,000	3,000,000	3,052,000	3,319,000	
(Item A+B+C+D+E+F)	2	9,100,000	0	0	30,000	1,035,000	1,108,000	1,228,000	1,450,000	1,406,000	1,452,000	1.391,000	
	F/C	11,077,000	0	0	106,000	1,315,000	1,368,000	1,474,000	1,692,000	1,594,000	1,600,000	1,928,000	
O.M.Cost	Total	776,000		0	0	0	21,000	45,000	72,000	107,000	142,000	181,000	208,000
1.O.M.Cost	, ,	399,000		0	0	~	14,000	28,000	42,000	28,000	72,000	86,000	99.000
2. Price Contingency	1/0	377 000		<		•						-	

TABLE D.1.19 DISBURSEMENT SCHEDULE OF OKINAWA DRAINAGE

trail Total 2,001 2,003 2,004 2,005 2,005 2,007 2,009 <th< th=""><th>Item</th><th></th><th>Amount</th><th></th><th></th><th></th><th></th><th>Year</th><th></th><th></th><th></th><th></th><th></th><th>**************************************</th></th<>	Item		Amount					Year						**************************************
Troal			L	2,001	2,002	2,003	2,004	2,005	2,006	2 007	2,008	2,009	2,010	2,011
1,7,C 23,178,000 0 9,460,000 6,307,000 1,038,000 1,038,000 1,136,000 1,136,000 1,038,000 1,0	A. Construction Cost	Total	67,903,000	0	28,079,000	18,720,000	2,955,000	2,955,000	3,060,000	3,377,000	3,060,000	2,955,000	2,742,000	
Treal		\ \ \ \ \	23,178,000	٥	9,460,000	6,307,000	1,038,000	1,038,000	1,075,000	1.186,000	1,075,000	1,038,000	961,000	
Treal Trea		F/C	44,725,000	0	18,619,000	12,413,000	1,917,000	1.917.000	1,985,000	2,191,000	1.985,000	1,917,000	1,781,000	
L/C 3,395,000 1,404,000 956,000 148,000 135,000 153,000 153,000 153,000 153,000 154,000 150,000 153,	B. Land Acquisttion	Total	0	0	0	0	0	0	0	0	0	0	0	
F / C 3.395,000 0 0 0 0 0 0 0 0 0	•	1/2	Ó	0	0	0	0		0	0	٥	0	0	
B L/C 3.395,000 0 1,404,000 996,000 148,000 133,000 153,000 153,000 153,000 154,000 1548,000		F/C	0	0	0	0	0	0	0	٥	٥	٥	0	
E L C 3,395,000 0 1,404,000 956,000 148,000 148,000 153,000 153,000 1545,00	C. Administration Cost	Total	3,395,000	0	1,404,000	936,000	148,000	148,000	153,000	000 691	153,000	148,000	136,000	
F / C 1,358,000 468,000 2,808,000 1,615,000 295,000 366,000 338,000 338,000 350,000 255,000 350,000	(5% of Item A + B)	2	3,395,000	0	1,404,000	936,000	148,000	148,000	153,000	169,000	153,000	148,000	136,000	
Total 6,799,000 468,000 289,000 295,000 295,000 3138	L/C only	F/C	0	0	0	0	0	0	0	0	0	0	0	
1, C 1,338,000 94,000 552,000 1293,000 236,0	D. Engineering Cost	Total	6,790,000	468,000	2,808,000	1,615,000	295,000	295,000	306,000	338,000	306,000	295,000	64,000	
1,	(10% of Item A)	2/2	1,358,000	2,000	562,000	322,000	29,000	59,000	61,000	68,000	61,000	89,000	13,000	
Total T\$,088,000 468,000 31,221,000 1,245,000 1,245,000 1,239,00	L.C.20%, F.C. 80%	F/C	5,432,000	374,000	2,246,000	1,293,000	236,000	236,000	245,000	270,000	245,000	236,000	21,000	
1, 1, 2, 27,331,000 34,000 11,425,000 1,245,000 1,	Subtotal (1)	Total	78,088,000	468,000	32,291,000	21,271,000	3,398,000	3,398,000	3,519,000	3,884,000	3,519,000	3,398,000	2,942,000	
FyC S0,157,000 374,000 13,706,000 2,153,000 2,153,000 2,230,000 2,230,000 2,135,000 3,135,000 3,13	(Item A+B+C+D)	2	27,931,000	94,000	11,426,000	7,565,000	1,245,000	1,245,000	1,289,000	1,423,000	1,289,000	1,245,000	1,110,000	
1,		F/C	50,157,000	374,000	20,865,000	13,706,000	2,153,000	2,153,000	2,230,000	2,461,000	2,230,000	2,153,000	1,832,000	
1) L/C 4,189,000 14,000 1,714,000 1,134,000 322,000 323,000 335,000	E. Physical Contingency	Total	11,712,000	70,000	4,844,000	3,189,000	\$10,000	510,000	\$28,000	582,000	528,000	510,000	441,000	
E/C 7,523,000 56,000 3,130,000 2,055,000 3,22,000 335,000 335,000 3,35,000 3,35,000 3,35,000 3,23,000 3,23,000 3,23,000 3,23,000 3,23,000 3,23,000 3,23,000 3,23,000 3,23,000 3,23,000 3,23,000 3,23,000 3,23,000 3,23,000 3,23,000 3,23,000 3,23,000 3,246,000 3,908,000 1,432,000 1,432,000 1,432,000 1,432,000 1,432,000 1,432,000 1,432,000 1,432,000 1,432,000 1,432,000 1,432,000 1,432,000 1,432,000 1,432,000 2,476,000 2,176,000 2,176,000 2,176,000 2,146	(15% of Subtotal(1))	1/c	4,189,000	14,000	1,714,000	1,134,000	187,000	187,000	193,000	213,000	193,000	187,000	167,000	
E) Total 89,800,000 53,800 3,908,000 3,908,000 4,047,000 4,047,000 3,908,000 3,908,000 1,482,000 1,482,000 1,482,000 1,482,000 1,482,000 1,482,000 1,482,000 1,482,000 1,482,000 1,482,000 1,482,000 1,482,000 1,482,000 1,482,000 2,565,000 2,565,000 2,565,000 2,565,000 2,565,000 2,565,000 2,565,000 2,565,000 2,565,000 2,565,000 2,565,000 2,565,000 2,574,000 2,766,000 1,112,000 1,172,000 2,265,000 2,574,000 2,774,000 </th <th></th> <th>F/C</th> <th>7,523,000</th> <th>\$6,000</th> <th>3,130,000</th> <th>2,055,000</th> <th>323,000</th> <th>323,000</th> <th>335,000</th> <th>369,000</th> <th>335,000</th> <th>323,000</th> <th>274,000</th> <th></th>		F/C	7,523,000	\$6,000	3,130,000	2,055,000	323,000	323,000	335,000	369,000	335,000	323,000	274,000	
E) L/C 32,120,000 108,000 13,140,000 8,699,000 1,432,000 1,482,000 1,686,000 1,482,000 1,482,000 1,482,000 1,482,000 1,482,000 1,482,000 1,482,000 2,476,000 </th <th>Subtotal (2)</th> <th>Total</th> <th>89,800,000</th> <th>538,000</th> <th>37,135,000</th> <th>24,460,000</th> <th>3,908,000</th> <th>3,908,000</th> <th>4,047,000</th> <th>4,466,000</th> <th>4,047,000</th> <th>3,908,000</th> <th>3,383,000</th> <th></th>	Subtotal (2)	Total	89,800,000	538,000	37,135,000	24,460,000	3,908,000	3,908,000	4,047,000	4,466,000	4,047,000	3,908,000	3,383,000	
F/C 57,680,000 430,000 24,76,000 2,476,000 2,476,000 2,565,000 2,565,000 2,476,000 2,476,000 1,708,000 2,565,000 2,574,000 2,574,000 1,708,000	(Item A+B+C+D+E)	; '	32,120,000	108,000	13,140,000	8,699,000	1,432,000	1,432,000	1,482,000	1,636,000	1,482,000	1,432,000	1,277,000	
Total 26,438,000 51,000 5,931,000 1,112,000 1,176,000 1,708,000 2,218,000 2,329,000 1,385,000		F/C	57,680,000	430,000	23,995,000	15.761,000	2,476,000	2,476,000	2,565,000	2,830,000	2,565,000	2,476,000	2,106,000	
CC-4% L/C 13,082,000 16,000 2,704,000 276,000 717,000 898,000 1,175,000 1,243,000 1,285,000 CC-4% F/C 13,356,000 35,000 2,677,000 536,000 657,000 810,000 1,043,000 1,285,000 Total Total Total 116,238,000 35,000 2,677,000 5,020,000 5,282,000 5,755,000 6,684,000 6,482,000 6,482,000 6,482,000 2,189,000 2,149,000	F. Price Contingency	Total	26,438,000	51,000	5,953,000	5,381,000	1,112,000	1,374,000	1,708,000	2,218,000	2,329,000	2,574,000	3,738,000	
Total Tota	(1/C=7%)	2/1	13,082,000	16,000	2,957,000	2,704,000	\$76,000	717,000	898,000	1,175,000	1,243,000	1,385,000	1,411,000	
Total Tota	(F/C=4%)	F/C	13,356,000	35,000	2,996,000	2,677,000	536,000	657,000	810,000	1,043,000	1,086,000	1.189,000	2,327,000	
-B-C-D-E+F) L/C	Total	Total	116,238,000	589,000	43,088,000	29,841,000	5,020,000	5,282,000	5,755,000	6,684,000	6,376,000	6,482,000	7,121,000	
F/C 71,036,000 465,000 26,991,000 13,438,000 3,012,000 3,133,000 3,375,000 3,651,000 3,665,000 1,090,000 1,090,000 1,228,000 1,090,000 1,228,000 1,228,000 1,090,000 1,228,000 1,228,000 1,228,000 1,090,000 1,228,000 1,2	(Item A+B+C+D+E+F)	1/2	45,202,000	124,000	16,097,000	11,403,000	2,008,000	2,149,000	2,380,000	2,811,000	2,725,000	2,817,000	2,688,000	
Total 8,707,000 0 0 368,000 747,000 848,000 1,090,000 1,228,000 1,228,000 0 0 0 281,000 468,000 498,000 528,000 559,000 593,000 624,000 0 0 87,000 188,000 249,000 320,000 401,000 497,000 604,000		F/C	71,036,000	465,000	26,991,000	18,438,000	3,012,000	3,133,000	3,375,000	3,873,000	3,651,000	3,665,000	4,433,000	
L/C 4,886,000 0 0 281,000 468,000 528,000 559,000 559,000 593,000	O.M.Cost	Total	8,707,000	٥	0	368,000	000'959	747,000	848,000	000'096	1,090,000	1,228,000	1,377,000	1,433,000
E / 249,000 320,000 497,000	1.O.M.Cost	1/0	4,886,000	0	0	281,000	468,000	498,000	528,000	259,000	293,000	624,000	654,000	681,000
1 / C 21044,000	2. Price Contingency	F/C	3,821,000	0	0	87,000	188,000	249,000	320,000	401.000	497.000	604,000	723,000	752,000

TABLE D.1.20 DISBURSEMENT SCHEDULE OF OKINAWA MAIN DRAINAGE

Item		Amount					Year						
			2,001	2,002	2,003	2,004	2,005	2,006	2,007	2008	2,009	2.010	2,011
A. Construction Cost	Total	46,799,000	0	28,079,000	18,720,000				*******	e · · · · ·			
	2/2	15.767.000	0	9,460,000	6,307,000								
	F/C	31,032,000	0	18,619,000	12,413,000								
B. Land Acquisttion	Total	0	0	0	0								
	1/2		0	0	•								
	F/C	0	0	0	0								
C. Administration Cost	Total	2,340,000	0	1,404,000	936,000			-					
(5% of Item A-B)	1/c	2,340,000	0	1,404,000	936,000			:					
L/C only	F/C	0	0	0	0						-		,
D. Engineering Cost	Total	4,680,000	468,000	2,808,000	1,404,000						=		
(10% of Item A)	2	936,000	94,000	562,000	280,000								
L.C.20%, F.C. 80%	F/C	3,744,000	374,000	2,246,000	1.124,000								
Subtotal (1)	Total	53,819,000	468,000	32,291,000	21,060,000								
(ltem A+B+C+D)	ر د ر د	19,043,000	\$,000	11,426,000	7,523,000			~					
	F/C	34.776,000	374,000	20,865,000	13,537,000					_			
E. Physical Contingency	Total	8,072,000	70,000	4,844,000	3,158,000				***************************************				
(15% of Subtotal(1))	2/2	2,356,000	14,000	1,714,000	1,128,000								
	F/C	5,216,000	26,000	3,130,000	2,030,000								
Subtotal (2)	Total	61.891,000	538,000	37,135,000	24,218,000								
(Item A+B+C+D+E)	2/2	21,899,000	108,000	13,140,000	8,651,000								
	F/C	39,992,000	430,000	23,995,000	15,567,000		2.						
F. Price Contingency	Total	11,337,000	51,000	5,953,000	5,333,000	0	0	0	0	0	0	0	
(L/C=7%)	, ,	5,662,000	16,000	2,957,000	2,689,000	0	0	0	0	0	0	0	
(F/C-4%)	F/C	5,675,000	35,000	2,996,000	2,644,000	0	ō	0	Õ	0	0	0	
Total	Total	73,228,000	589,000	43,088,000	29,551,000	0	0	0	•	•	0	0	
(ltem A+B+C+D+E+F)	2/2	27,561,000	124,000	16,097,000	11,340,000	0	0	0	0	0	0	0	
- -	£/C	45,667,000	465,000	26.991,000	18,211,000	0	٥	0	0	-0	0	0	
O.M.Cost	Total	7,033,000		0	368,000	656,000	702,000	752,000	804,000	860,000	921,000	985,000	985,000
1.0.M.Cost	2	4,025,000		0	281,000	468,000	7000*89*	468,000	468,000	768,000	468,000	468.000	468,000
	`	2 200	_	~	400	000		000	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	000		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	***

TABLE D.1.21. DISBURSEMENT SCHEDULE OF OKINAWA SECONDARY DRAINAGE

Item		Amount					Year					-	
			2,001	2,002	2,003	2,004	2,005	2,006	2.007	2,008	2,009	2.010	2.011
A. Construction Cost	Total	21,104,000			0	2,955,000	2,955,000	3,060,000	3,377,000	3,060,000	2,955,000	2,742,000	
	2/1	7,411,000			0	1,038,000	1,038,000	1,075,000	1,186,000	1,075,000	1,038,000	961,000	
	5/c	13,693,000			0	1,917,000	1,917,000	1,985,000	2,191,000	1,985,000	1,917.000	1,781,000	
B. Land Acquisttion	Total	0			0		0	0	0	0	Ö	0	
	1/0	0	* - <i>-</i>		0	•	0	0	0	0	0	0	
	F/c	0			0	0	0	0	0	٥	0	0	
C. Administration Cost	Total	1,055,000			0	148,000	148,000	153,000	169,000	153,000	148,000	136,000	
(5% of Item A+B)	2/2	1,055,000	-		0	148,000	148,000	153,000	169,000	153,000	148,000	136,000	
LC only	F/C	0	-		0	Ö	0	0	0	0	0	0	
D. Engineering Cost	Total	2,110,000			211,000	295,000	295,000	306,000	338,000	306,000	295,000	64,000	
(10% of Item A)	1/2	422,000			42,000	59,000	29,000	61,000	68,000	61,000	29,000	13,000	
L.C.20%, F.C. 80%	F/C	1,688,000			169,000	236,000	236,000	245,000	270,000	245,000	236,000	51,000	
Subtotal (1)	Total	24,269,000			211,000	3,398,000	3,398,000	3,519,000	3,884,000	3,519,000	3,398,000	2,942,000	
(Item A+B+C+D)	2/1	8,888,000			42,000	1,245,000	1,245,000	1,289,000	1,423,000	1,289,000	1,245,000	1,110,000	
	F/C	15,381,000	-		169,000	2,153,000	2,153,000	2,230,000	2,461,000	2,230,000	2,153,000	1,832,000	
E. Physical Contingency	Total	3,640,000		·	31,000	510,000	510,000	528,000	582,000	528,000	510,000	441,000	
(15% of Subtotal(1))	2/1	1,333,000			000*9	187,000	187,000	193,000	213,000	193,000	187,000	167,000	
	F/C	2,307,000			25,000	323,000	323,000	335,000	369,000	335,000	323,000	274.000	
Subtotal (2)	Total	27,909,000			242,000	3,908,000	3,908,000	4,047,000	4,466,000	4,047,000	3,908,000	3,383,000	
(Item A+B+C+D+E)	2/1	10,221,000			48,000	1,432,000	1,432,000	1,482,000	1,636,000	1,482,000	1,432,000	1,277,000	
	F/C	17,688,000			194,000	2,476,000	2,476,000	2,565,000	2,830,000	2,565,000	2,476,000	2,106,000	
F. Price Condugency	Total	15,101,000	0	0	48,000	1,112,000	1,374,000	1,708,000	2,218,000	2,329,000	2,574,000	3,738,000	
(L/C-7%)	0 / 1	7,420,000	0	0	15,000	576,000	717,000	898,000	1,175,000	1,243,000	1,385,000	1,411,000	
(F/C-4%)	F/C	7,681,000	0	ŷ	33,000	536,000	657,000	810,000	1,043,000	1.086.000	1,189,000	2,327,000	
Total	Total	43,010,000	0	0	290,000	5,020,000	5,282,000	5,755,000	6,684,000	6,376,000	6,482,000	7,121,000	
(Item A+B+C+D+E+F)	2/2	17,641,000	٥	0	63,000	2,008,000	2,149,000	2,380,000	2,811,000	2,725,000	2,817,000	2,688,000	
	5/c	25,369,000	0	0	227,000	3,012,000	3,133,000	3,375,000	3,873,000	3,651,000	3,655,000	4,433,000	
O.M.Cost	Total	1,674,000		0	0	0	45,000	000 %	156,000	230,020	307,000	392,000	448,000
1.O.M.Cost	0 /1	861,000		0	0	0	30,000	000'09	91,000	125,000	156,000	186,000	213,000
2. Price Contingency	1/0	813,000		0	0	0	15,000	36,000	65,000	105.000	151,000	206.000	235.000

TABLE D.1.22 DISBURSEMENT SCHEDULE OF SAN JUAN

Item		Amount					Year						
			2,001	2,002	2,003	2,004	2,005	2,006	2,007	2.008	2,009	2,010	2,011
A. Construction Cost	Total	81,323,000	1,410,000	6,599,000	6,217,000	4.896,000	6,518,000	9,944,000	16,849,000	16,915,000	10,861,000	1,114,000	
	2/1	34,067,000	702,000	3,287,000	2,762,000	1,955,000	2,623,000	4,090,000	000'826'9	6,944,000	4,335,000	391,000	
·	F/C	47,256,000	708,000	3,312,000	3,455,000	2,941,000	3.895.000	5,856,000	9,871,000	9,971,000	6.526.000	721,000	
B. Land Acquisition	Total	0	0	0	0	٥	0	0	0	0	0	0	
	2/1	0	0	0	0	0	0	0	0	0	•	0	
	F/C	0	0	0	0	0	0	0	٥	٥	0	0	
C. Administration Cost	Total	4,066,000	0	330,000	220,000	256,000	326,000	317,000	802,000	833,000	724,000	258,000	
(5% of Item A+B)	1/0	4,066,000	0	330,000	220,000	256,000	326,000	317,000	802,000	833,000	724,000	258,000	·•
L/C only	F/C	0	0	0	0	0	0	6	0	٥	0	0	
D. Engineering Cost	Total	8,133,000	110,000	000'099	582,000	\$13,000	652,000	914,000	1,667,000	1,668,000	1,167,300	200,000	
(10% of Item A)	2/1	1,627,000	22,000	132,000	116,000	103,000	131,000	184,000	334,000	333,000	233,000	39,000	~
L.C.20%, F.C. 80%	F/C	6,506,000	88,000	528,000	466,000	410,000	521,000	732,000	1,334,000	1.335.000	932,000	160,000	
Subtotal (1)	Total	93,522,000	1,520,000	7,589,000	7,019,000	2,665,000	7,496,000	11,179,000	19,319,000	19,416,000	12,750,000	3,569,000	
(Item A+B+C+D)	2/2	39,760,000	724,000	3,749,000	3,098,000	2,314,000	3,080,000	4,591,000	8,114,000	8,110,000	5,292,000	688,000	
	F/C	53,762,000	796,000	3,840,000	3,921,000	3,351,000	4,416,000	6,588,000	11,205,000	11,306,000	7,458,000	881,000	
E. Physical Contingency	Total	14,028,000	228,000	1,138,000	1,053,000	851,000	1,125,000	1,677,000	2,898,000	2,912,000	1,913,000	233,000	
(15% of Subtotal (1))	1/0	5,964,000	108,000	562,000	465,000	348,000	462,000	000'889	1,218,000	1,216,000	794,000	103,000	
	F/C	8,064,000	120,000	576,000	588,000	503,000	663,000	989,000	1,680,000	1,696,000	1,119,000	130,000	
Subtotal (2)	Total	107,550,000	1,748,000	8,727,000	8,072,000	6,516,000	8,621,000	12,856,000	22,217,000	22,328,000	14,663,000	1,802,000	
(Item A+B+C+D+E)	1/0	45,724,000	832,000	4,311,000	3,563,000	2,662,000	3,542,000	5,279,000	9,332,000	9,326,000	6,086,000	791,000	
	F/C	61,826,000	916,000	4,416,000	4,509,000	3,854,000	5,079,000	7.577,000	12,885,000	13,002,000	8,577,000	1.011,000	
F. Price Contingency	Total	50,983,000	195,000	1,521,000	1,874,000	1,907,000	3,122,000	5,592,000	11,453,000	13,323,000	10,005,000	1,991,000	
(1/C=1%)	1/0	29,525,000	120,000	970,000	1,108,000	1,072,000	1,774,000	3,198,000	6,703,000	7,820,000	5,886,000	874,000	
(F/C-4%)	F/C	21,458,000	75,000	551,000	766,000	835,000	1,348,000	2,394,000	4,750,000	5,503,000	4,119,000	1,117,000	
Total	Total	158,533,000	1,943,000	10,248,000	9,946,000	8,423,000	11,743,000	18,448,000	33,670,000	35,651,000	24,668,000	3,793,000	
(Item A+B+C+D-E+F)	, , ,	75,249,000	952,000	5,281,000	4,671,000	3,734,000	5,316,000	8,477,000	16,035,000	17,146,000	11,972,000	1,665,000	
	F/C	83,284,000	991,000	4,967,000	5,275,000	4,689,000	6,427,000	9,971,000	17,635,000	18,505,000	12,696,000	2,128,000	
O.M.Cost	Total	7,350,000	0	17,000	105,000	198,000	286,000	410,000	610,000	962,000	1,362,000	1,688,000	1.712.000
1.O.M.Cost	1/c	3,866,000	0	14,000	80,000	141,000	190,000	255,000	355,000	523,000	693,000	802,000	813.000
2. Price Contingency	2	3,484,000	0	3,000	25,000	\$7,000	96.000	155,000	255.000	439.000	000'699	886.000	899.000

TABLE D.1.23 DISBURSEMENT SCHEDULE OF ARROYO YAPACANICITO

Item	*****											
	Amount	- 1				Year						
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2.008	2,009	2,010	2.011
A. Construction Cost Total	al 28,242,000						3,621,000	9,885,000	9,885,000	4,851,000		
							1,549,000	4,229,000	4,229,000	2,076,000		
F/C	C 16,159,000						2,072,000	5,656,000	2,656,000	2,775,000		
B. Land Acquisition Total	ļ_						0	0	0	0		
	Ü						0	0	0	Ö		
- E/C	Ö						0	0	٥	0		
C. Administration Cost Total	1,412,000						0	494,000	494,000	424,000		
							0	494,000	494,000	424,000	,	
							0	٥	0	0		
ost	2,824,000						282,000	000'886	000'886	266,000		
							57,000	198,000	198,000	112,000		-
%	તાં						226,000	791,000	791,000	451,000		
H					•		3,904,000	11,368,000	11,368,000	5,838,000		
ĥ							1,606,000	4,921,000	4,921,000	2,612,000		
		-					2,298,000	6,447,000	6,447,000	3,226,000		
E. Physical Contingency Total				i			286,000	1,705,000	1,705,000	876,000		,—
							241,000	738,000	738,000	392,000		
							345,000	967,000	967,000	484,000		
Subtetal (2) Total							4,490,000	13,073,000	13,073,000	6,714,000	-	
<u>-</u>							1,847,000	2,659,000	2,659,000	3,004,000		
5/3	C 21,181,000						2,643,000	7,414,000	7,414,000	3,710,000		
F. Price Contingency Total		0	0	0	0	0	1,954,000	6,797,000	7,883,000	4,687,000	0	
1/C-2%) 1/C	C 12,833,000	0	0	٥	0	0	1,119,000	4,064,000	4,745,000	2,905,000	0	
(F/C-4%) F/C		0	0	0	0	0	835,000	2,733,000	3,138,000	1,782,000	0	
Total Total	58,671,000	0	0	0	0	0	6,444,000	19,870,000	20,956,000	11,401,000	0	
(Nem A+B+C+D+E+F) L/C	C 29,002,000	0	0	0	0	0	2,966,000	9,723,000	10,404,000	2,909,000	0	
F/C	C 29,669,000	0	0	0	٥	٥	3,478,000	10,147,000	10,552,000	5,492,000	0	
O.M.Cost Total	1,962,000		0	0	0	0	0	62,000	248,000	460,000	\$96,000	296,000
1.0.M.Cost	C 971,000		٥	0	٥	0	٥	36,000	135,000	234,000	283,000	283,000
2. Price Contingency L/	C 991,000		0	0	0	0	0	26,000	113.000	226.000	313.000	313,000

TABLE D.1.24 DISBURSEMENT SCHEDULE OF SAN JUAN MAIN DRAINAGE(1)

# # £ £	6,408,000	2,001	2,002	2 003					2008	80 0	****	2.571
t g g g				-	2,004	2,005	2,006	2,007	4.000	7,002	2.010	1707
# <u>#</u>		822,000	3,845,000	1,741,000	***-							
# <u>@</u>		288,000	1,347,000	610,000								
¥ â	4,163,000	534,000	2,498,000	1,131,000		-	}					
# <u>@</u>	0	0	•	0	- /	•						
¥ 😭	0	0	-5-	0								
# <u>@</u>	0	0	0	0								
Â	320,000	0	192,000	128,000								
	320,000	0	192,000	128,000								
	0	0	0	0								
D. Engineering Cost Total	1 641,000	64,000	385,000	192,000								
(10% of Item A) L/C	128,000	13,000	77,000	38,000								
L.C.20% F.C. 80% F/C	513,000	51,000	308,000	154,000								
Subtotal (1) Total	7,369,000	886,000	4,422,000	2,061,000								
(ltem A+B+C+D) L/C	2,693,000	301,000	1,616,000	776,000								
5/C	4,676,000	\$85,000	2,806,000	1,285,000								
E. Physical Contingency Total	1,105,000	133,000	663,000	309,000		ļ_ -				i		
(15% of Subtotal(1)) L/C	404,000	45,000	242,000	117,000								
F/C	200,100	88,000	421,000	192,000								
Subtotal (2) Total	8,474,000	1,019,000	5,085,000	2,370,000								
(Item A+B+C+D+E) L/C	3,097,000	346,000	1,858,000	893,000		··	-					
F/C	5,377,000	673,000	3,227,000	1,477,000								
F. Price Contingency Total	1,455,000	105,000	821,000	529,000	0	0	0	0	0	0	0	
(L/C-7%) L/C	746,000	\$0,000	418,000	278,000	0	0	0	0	0	0	0	
(F/C-4%) F/C	200,000	55,000	403,000	251,000	Ô	0	0	0	0	0	0	
Total Total	9,929,000	1,124,000	2,906,000	2,899,000	0	0	0	0	0	0	0	
(Item A+B+C+D+E+F) L/C	3,843,000	396,000	2,276,000	1,171,000	0	٥	0	0	0	0	0	
F/C	000'980'9	728,000	3,630,000	1,728,000	0	0	0	0	0	0	0	
O.M.Cost Total	000'896		10,000	000'09	88,000	95,000	101,000	108,000	116,000	124,000	133,000	133,000
1.0.M.Cost	2 558,000		8,000	46,000	63,000	63,000	63,000	63,000	63,000	63,000	63,000	63.000
2. Price Contingency L/C	410,000		2,000	14,000	25,000	32,000	38.000	45,000	53.000	61.000	70,000	70.000

TABLE D.1.25 DISBURSEMENT SCHEDULE OF SAN JUAN MAIN DRAINAGE(2)

Item		Amount					Year						
		L	2.001	2.002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2.010	2,011
A. Construction Cost	Total	10,689,000				1,371,000	2,993,000	2,672,000	2,138,000	1,515,000			
	2	4,403,000				265,000	1,233,000	1,101,000	881,000	623,000			
	F/C	6.286,000				806,000	1.760.000	1,572,000	1,257,000	891,000			
B. Land Acquisition	Total	0				0	0	0	0	0			
1	1/0	٥				0	0	0	0	0			
	5/c	0				0	0	0	0	0			
C. Administration Cost	Total	534,000				80,000	150,000	134,000	107,000	63,000			
(5% of Item A+B)	2	534,000				80,000	150,000	134,000	107,000	63,000			
L/C only	5/c	0				0	0	0	0	0			
D. Engineering Cost	Total	1,069,000				160,000	299,000	267,000	214,000	129,000			
(10% of Item A)	ç Ş	214,000				32,000	000'09	54,000	43,000	25,000			
L.C.20%, F.C. 80%	F/C	855,000				128,000	239,000	214,000	171,000	103,000			
Subtotal (1)	Total	12,292,000				1,611,000	3,442,000	3,075,000	2,459,000	1,705,000			
(Item A+B+C+D)	2	5,151,000				677,000	1,443,000	1,289,000	1,031,000	711,000			
	7, 2,	7,141,000	. '			934,000	1,999,000	1,786,000	1,428,000	994,000			
E. Physical Contingency	Total	1.844,000				242,000	\$16,000	461,000	369,000	256,000			
(15% of Subtotal (1))	2	773,000				102,000	216,000	193,000	155,000	107,000			
	7	1,071,000				140,000	300,000	268,000	214,000	149,000			
Subtotal (2)	Total	14,136,000				1,853,000	3,958,000	3,536,000	2,828,000	1,961,000			
(Item A+B+C+D+E)	1/0	5,924,000				779,000	1,659,000	1,482,000	1,186,000	818,000			
	F/C	8,212,000				1.074.000	2,299,000	2,054,000	1,642,000	1,143,000		2	
F. Price Contingency	Total	6,162,000	0	0	0	247,000	1,441,000	1,547,000	1,457,000	1,170,000	0	0	
(T/C=1%)	2	3,581,000	0	0	0	314,000	831,000	898,000	852,000	000'989	0	0	
(F/C=4%)	F/C	2,581,000	0	0	0	233,000	610,000	649,000	605,000	484,000	0	0	
Total	Total	20,298,000	0	0	0	2,400,000	5,399,000	5,083,000	4,285,000	3,131,000	0	0	
(Item A+B+C+D+E+F)	2	9,505,000	0	0	0	1,093,000	2,490,000	2,380,000	2,038,000	1,504,000		0	
	F/C	10,793,000	0	0	0	1,307,000	2,909,000	2,703,000	2,247,000	1,627,000	٥	0	
O.M.Cost	Total	1,043,000		0	0	0	21,000	71,000	122,000	169,000	210,000	225,000	225,000
1.O.M.Cost	2/2	542,000	-	0	0	0	14,000	4,000	71,000	92,000	107,000	107,000	107,000
2. Price Contingency	1/0	501,000		0	0	0	7,000	27,000	\$1,000	77,000	103.000	118,000	118,000

TABLE D.1.26 DISBURSEMENT SCHEDULE OF ARROYO TEJERIA

A. Construction Cost To		_				200						
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2.011
	Total 6,212,000	0						797,000	1,864,000	2,485,000	1,066,000	
ì -	L/C 2,173,000	0						279,000	652,000	869,000	373,000	
F	F/C 4,039,000	0						518,000	1,212,000	1,616,000	693,000	
B. Land Acquisttion To	Total (0						0	0	0	Ø	
	2/1	0				-		0	0	0	0	•
F	F/C (0	-					0	0	٥	٥	
C. Administration Cost To	Total 311,000	0			!			0	93,000	124,000	94,000	
(5% of Item A + B) L/	1/C 311,000							0	93,000	124,000	94,000	
L/C only F/	F/C (0		-	-			0	0	\$	0	
ost	Total 621,000	e						62,000	186,000	248,000	125,000	
(10% of Item A) L/	L/C 124,000	6						12,000	37,000	50,000	25,000	
L.C.20%, F.C. 80% F/	F/C 497,000							20,000	149,000	199,000	000'66	
Subtetal (1) To	Total 7,144,000	0						859,000	2,143,000	2,858,000	1,284,000	
(Nem A+B+C+D) L/	L/C 2,608,000				·		***************************************	291,000	782,000	1,043,000	492,000	
ţi.	F/C 4,536,000	ြင						268,000	1,361,000	1.815,000	792,000	
E. Physical Contingency To	Total 1,071,000			. 				129,000	321,000	428,000	193,000	
(15% of Subtotal (1)) L/	L/C 391,000	-						44,000	117,000	156,000	74,000	
F	F/C 680,000) (85,000	204,000	272,000	119.000	
Subtotal (2) To	Total 8,215,000			·——				000'886	2,464,000	3,286,000	1,477,000	
(Item A+B-C+D+E) L/	L/C 2,999,000	-						335,000	899,000	1,199,000	\$66.000	
F,	F/C 5,216,000							653,000	1,565,000	2,087,000	911,000	
F. Price Contingency To	Total 5,692,000	0	0	•	0	0	•	482,000	1,416,000	2,162,000	1,632,000	
(1/0-1%)	L/C 2,780,000	0	0	0	0	0	0	241,000	754,000	1,160,000	625,000	
(F/C=4%) F/	F/C 2,912,000	0	0	0	0	0	0	241,000	662,000	1,002,000	1,007,000	
Total	Total 13,907,000	0	0	0	0	0	0	1,470,000	3,880,000	5,448,000	3,109,000	
(Item A+B+C+D+E+F) L/	L/C 5,779,000	0	0	0	0	3	•	276,000	1,653,000	2,359,000	1,191,000	
3	F/C 8,128,000	0	0	õ	0	0	-ō	894,000	2,227,000	3,089,000	1.918,000	
O.M.Cost To	Total 310,000		0	0	•	0	:	- - -	15,000	53,000	109,000	133,000
1.O.M.Cost	L/C 150,000		0	0	0	0	0	0	8,000	27,000	52,000	63,000
2. Price Contingency L/	/C 160,000		0	0	0	0	0	0	7,000	26.000	57.000	70.000

TABLE D.1.27 DISBURSEMENT SCHEDULE OF ROAD CUM EMBANKMENT

Total 4,590,000 588,000 2,734,000 1,246,000	Item		Amount					Year						
Total 4,590,000 588,000 1,754,000 1,248,000 1,248,000 1,248,000 1,248,000 1,248,000 1,248,000 1,248,000 1,248,000 1,248,000 1,248,000 1,248,000 1,248,000 1,249,000			L	2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2.010	2,011
L/C 3,23,000 414,000 1,946,000 879,000 Total	Construction Cost	Total	4,590,000	588,000	2,754,000	1,248,000						major ellequ		
F/C 1,357,000 174,000 814,000 369,000 L/C		20	3,233,000	414,000	1,940,000	879,000								
Total		F/C	1,357,000	174,000	814,000	369,000								
L/C	Land Acquisition	Total	0	0	0	-								
F/C		2/1	0	٥	0	0					-			
Total 230,000 0 138,000 92,000		F/C	0	0	0	٥								
L/C 230,000 0 138,000 92,000 F/C 0 0 0 0 0 L/C 92,000 46,000 275,000 138,000 28,000 L/C 367,000 37,000 220,000 110,000 1478,000 L/C 3,55,000 423,000 2,133,000 999,000 170,000 L/C 333,000 63,000 1,73,000 475,000 150,000 F/C 1,724,000 320,000 155,000 170,000 170,000 L/C 4,088,000 486,000 2,453,000 1,700,000 0 L/C 1,241,000 90,000 1,700,000 0 0 L/C 1,241,000 90,000 1,48,000 94,000 0 F/C 262,000 20,000 1,48,000 94,000 0 L/C 262,000 263,000 3,005,000 1,500,000 0 F/C 262,000 3,005,000 1,48,000 94,000 0 </th <th>Administration Cost</th> <th>Total</th> <th>230,000</th> <th>0</th> <th>138,000</th> <th>92,000</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Administration Cost	Total	230,000	0	138,000	92,000								
F/C 0 0 0 0 Toral 459,000 46,000 275,000 138,000 L/C 92,000 37,000 220,000 28,000 F/C 367,000 37,000 2,133,000 220,000 L/C 3,55,000 423,000 2,133,000 475,000 F/C 1,724,000 211,000 1,034,000 475,000 L/C 3,55,000 423,000 2,133,000 475,000 F/C 1,724,000 32,000 1,50,000 1,700,000 F/C 2,535,000 2,433,000 1,149,000 1,149,000 F/C 1,983,000 2,433,000 1,189,000 351,000 1,149,000 F/C 1,983,000 243,000 1,149,000 0 0 F/C 1,983,000 243,000 1,149,000 0 0 F/C 2,020,000 1,189,000 4,51,000 0 0 F/C 2,020,000 2,030 1,389,000 2,400 <th< td=""><th>(5% of Item A+B)</th><td>2</td><td>230,000</td><td>•</td><td>138,000</td><td>92,000</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	(5% of Item A+B)	2	230,000	•	138,000	92,000								
Total 459,000 46,000 275,000 138,000 L/C 367,000 37,000 220,000 110,000 L/C 3,555,000 423,000 2,133,000 999,000 L/C 3,555,000 211,000 1,034,000 1,478,000 L/C 3,555,000 211,000 1,034,000 1,034,000 L/C 3,555,000 211,000 1,034,000 1,5000 L/C 353,000 32,000 1,034,000 1,5000 L/C 359,000 32,000 155,000 1,700,000 L/C 4,038,000 243,000 1,189,000 1,149,000 L/C 1,932,000 243,000 1,189,000 1,149,000 L/C 1,932,000 243,000 1,189,000 1,149,000 L/C 3,057,000 243,000 1,189,000 245,000 L/C 3,057,000 243,000 1,189,000 245,000 L/C 3,057,000 250,000 1,189,000 245,000 L/C 3,057,000 250,000 1,1337,000 65,000 L/C 3,057,000 250,000 1,337,000 65,000 L/C 3,057,000 250,000 1,337,000 65,000 L/C 3,057,000 250,000 1,337,000 65,000 L/C 3,057,000 263,000 1,337,000 65,000 L/C 3,057,000 1,337,000 65,000 L/C 3,057,000 1,337,000 65,000 L/C 3,057,000 1,337,000 65,000 L/C 3,057,000 1,337,000 1,337,000 65,000 L/C 3,057,000 1,337,000 1,337,000 65,000 L/C 3,057,000 1,337,000 1,337,000 L/C 3,057,000 1,337,000 1,337,000 1,30	L/C only	F/C	0	0	0	0								
L/C 92,000 9,000 55,000 28,000 Total 5,279,000 634,000 3,167,000 1,478,000 L/C 3,555,000 423,000 2,133,000 999,000 L/C 3,555,000 423,000 1,034,000 479,000 L/C 3,33,000 63,000 475,000 156,000 L/C 259,000 32,000 155,000 156,000 L/C 4,088,000 2,453,000 1,149,000 L/C 4,088,000 2,453,000 1,149,000 L/C 4,088,000 2,453,000 1,149,000 L/C 2,525,000 2,43,000 1,149,000 L/C 2,525,000 2,43,000 1,189,000 357,000 0 L/C 2,525,000 2,500 1,337,000 6,5,000 6,5,000 L/C 2,245,000 2,63,000 1,337,000 6,5,000 L/C 4,08,000 2,63,000 1,357,000 6,5,000 L/C 4,08,000 2,63,000 1,357,000 6,5,000 L/C 4,08,000 2,63,000 2,45,000 6,5,000 L/C 4,08,000 2,63,000 2,45,000 2,45,000 2,45,000 L/C 4,08,000 2,63,000 2,45,000 2,45,000 2,45,000 L/C 4,08,000 2,63,000 2,30,000 2,45,000 2,45,000 L/C 4,08,000 2,63,000 2,30,000 2,45,000 2,45,000 2,45,000 L/C 4,08,000 2,63,000 2,45,000 2,45,000 2,45,000 2,45,000 L/C 4,08,000 2,63,000 2,45,000 2,45,000 2,45,000 2,45,000 L/C 4,08,000 2,63,000 2,45	Engineering Cost	Total	459,000	46,000	275,000	138,000	-							
F/C 367,000 37,000 220,000 110,000 L/C 3,555,000 423,000 2,133,000 479,000 L/C 1,724,000 2,133,000 475,000 222,000 Total 792,000 320,000 150,000 150,000 L/C 333,000 63,000 155,000 170,000 F/C 259,000 320,000 155,000 1700,000 L/C 4,088,000 2,43,000 1,149,000 0 F/C 1,983,000 243,000 1,189,000 451,000 L/C 4,088,000 2,433,000 1,189,000 451,000 L/C 979,000 70,000 451,000 0 L/C 979,000 70,000 4342,000 0 L/C 262,000 20,000 1,189,000 94,000 0 L/C 2,067,000 255,000 3,005,000 0 94,000 0 L/C 2,245,000 2,3400 4,342,000 1,506,000 0	(10% of Item A)	r C	92,000	0000	\$5,000	28,000								
Total 5,279,000 634,000 3,167,000 1,478,000 L/C 3,555,000 2,133,000 999,000 Total 792,000 95,000 475,000 L/C 533,000 63,000 150,000 L/C 259,000 32,000 155,000 Total 6,071,000 725,000 1,189,000 T/C 4,088,000 3442,000 1,149,000 L/C 4,088,000 2453,000 1,149,000 L/C 4,088,000 2453,000 1,149,000 L/C 1,983,000 2453,000 1,149,000 L/C 979,000 70,000 451,000 L/C 262,000 70,000 451,000 L/C 262,000 20,000 148,000 L/C 3,067,000 263,000 1,305,000 L/C 2245,000 263,000 1,305,000 L/C 3,067,000 3,005,000 1,506,000 L/C 408,000 6,000 3,005,000	L.C.20%, F.C. 80%	F/C	367,000	37,000	220,000	110,000								
L/C 3,555,000 423,000 2,133,000 999,000 70	Subtotal (1)	Total	5.279,000	634,000	3,167,000	1,478,000								
F/C 1,724,000 211,000 1,034,000 475,000 475,000 Total 792,000 95,000 475,000 150,000 F/C 259,000 32,000 155,000 72,000 Total 6,071,000 729,000 3,642,000 1,700,000 L/C 4,088,000 2,433,000 1,189,000 551,000 F/C 1,983,000 2,433,000 1,189,000 551,000 L/C 979,000 70,000 700,000 451,000 0 L/C 262,000 20,000 148,000 357,000 0 L/C 262,000 20,000 4,342,000 2,151,000 0 L/C 262,000 3,005,000 1,366,000 0 0 L/C 262,000 3,005,000 1,506,000 0 0 L/C 3,067,000 3,005,000 1,506,000 0 0 E/C 2245,000 3,005,000 1,506,000 0 0 L/C 4,000	(Item A+B+C+D)	\ \ \ \ \	3,555,000	423,000	2,133,000	000'666								
Total 792,000 95,000 475,000 222,000		5/C	1,724,000	211,000	1,034,000	479,000								
L/C 533,000 63,000 320,000 150,000 F/C 259,000 32,000 1,55,000 72,000 Total 6,071,000 729,000 3,642,000 1,700,000 L/C 4,088,000 243,000 1,189,000 551,000 Total 1,241,000 90,000 700,000 451,000 0 F/C 1,983,000 70,000 700,000 451,000 0 F/C 262,000 70,000 452,000 94,000 0 F/C 262,000 4,342,000 2,151,000 0 F/C 262,000 3,005,000 1,506,000 0 F/C 2,067,000 556,000 4,342,000 2,151,000 0 F/C 2,245,000 263,000 1,337,000 45,000 65,000 I//C 408,000 7,000 45,000 6,000 46,000	Physical Contingency	Total	792,000	95,000	475,000	222,000								
F/C 259,000 32,000 155,000 72,000 Total 6,071,000 729,000 3,642,000 1,700,000 L/C 4,088,000 2,43,000 1,149,000 951,000 F/C 1,983,000 243,000 1,189,000 551,000 L/C 979,000 700,000 700,000 451,000 0 F/C 262,000 20,000 148,000 94,000 0 Total 7,312,000 819,000 4,342,000 2,151,000 0 F/C 2,067,000 556,000 3,005,000 1,506,000 0 F/C 2,245,000 263,000 1,337,000 45,000 65,000 65,000 L/C 408,000 6,000 34,000 46,000 46,000 46,000	15% of Subtotal (1))	- 2 2	533,000	63,000	320,000	150,000								
Total 6,071,000 729,000 3,642,000 1,700,000 L/C 4,088,000 2,453,000 1,149,000 F/C 1,983,000 2453,000 1,189,000 Total 1,241,000 90,000 700,000 L/C 979,000 70,000 357,000 F/C 262,000 20,000 148,000 94,000 Total 7,312,000 819,000 4,342,000 0 L/C 5,067,000 556,000 3,005,000 1,506,000 0 F/C 2,245,000 263,000 1,337,000 645,000 65,000 T/Osal 7,000 45,000 46,000 46,000		F/C	259,000	32,000	155,000	72,000								
L/C 4,088,000 2,453,000 1,149,000 F/C 1,983,000 243,000 1,189,000 551,000 0 Total 1,241,000 90,000 700,000 451,000 0 L/C 262,000 70,000 148,000 94,000 0 F/C 262,000 4,342,000 2,151,000 0 L/C 5,067,000 556,000 4,342,000 1,506,000 0 F/C 2,245,000 263,000 1,337,000 45,000 65,000 69,00 L/C 408,000 6,000 34,000 46,000 46,000 46,000	Subtotal (2)	Total	6,071,000	729,000	3,642,000	1,700,000								
F/C 1,983,000 243,000 1,189,000 551,000 0 Total 1,241,000 90,000 700,000 451,000 0 L/C 262,000 20,000 148,000 94,000 0 Total 7,312,000 819,000 4,342,000 2,151,000 0 L/C 5,067,000 263,000 1,337,000 645,000 0 F/C 2,245,000 263,000 1,337,000 65,000 65,000 L/C 408,000 6,000 34,000 46,000	Item A+B+C+D-E)	r/c	4,088,000	486,000	2,453,000	1,149,000								
Total 1,241,000 90,000 700,000 451,000 0 L/C 979,000 70,000 552,000 357,000 0 F/C 262,000 20,000 148,000 94,000 0 Total 7,312,000 819,000 4,342,000 2,151,000 0 L/C 5,067,000 556,000 3,005,000 1,506,000 0 F/C 2,245,000 263,000 1,337,000 645,000 65,000 69,00 L/C 408,000 6,000 34,000 46,000 46,000 46,000		F/C	1,983,000	243,000	1,189,000	551,000								
L/C 979,000 70,000 552,000 357,000 0 F/C 262,000 20,000 148,000 94,000 0 Total 7,312,000 819,000 4,342,000 2,151,000 0 L/C 5,067,000 556,000 3,005,000 1,506,000 0 F/C 2,245,000 263,000 1,337,000 645,000 65,000 69,00 L/C 408,000 6,000 34,000 46,000 46,000	Price Contingency	Total	1,241,000	000'06	700,000	451,000	0	•	0	0	0	0	0	
F/C 262,000 20,000 148,000 94,000 0 Total 7,312,000 819,000 4,342,000 2,151,000 0 L/C 5,067,000 263,000 1,337,000 645,000 0 F/C 2,245,000 263,000 1,337,000 645,000 65,000 Total 708,000 7,000 45,000 66,000 L/C 408,000 6,000 34,000 46,000		1/c	000'646	70,000	552,000	357,000	0	0	0	0	0	0	0	
Total 7,312,000 819,000 4,342,000 2,151,000 0 L/C 5,067,000 556,000 3,005,000 1,506,000 0 F/C 2,245,000 263,000 1,337,000 645,000 0 T/obal 7,000 45,000 65,000 L/C 408,000 6,000 34,000 46,000	(F/C-4%)	F/C	262,000	20,000	148,000	94,000	٥	0	0	٥	0	0	0	
L/C 5.067,000 556,000 3,005,000 1,506,000 0 F/C 2.245,000 263,000 1,337,000 645,000 0 Tolal 708,000 7,000 45,000 65,000 L/C 408,000 6,000 34,000 46,000	Total	Total	7,312,000	819,000	4,342,000	2,151,000	0	0	٥	0	0	0	0	
F/C 2,245,000 263,000 1,337,000 645,000 0 Total 708,000 7,000 45,000 6,000 sst L/C 408,000 6,000 34,000 46,000		r S	5,067,000	556,000	3,005,000	1,506,000	0	0	0	0	0	0	0	
Total 708,000 7,000 45,000 65,000 55,		F/C	2,245,000	263,000	1,337,000	645,000	0	0	0	0	٥	0	0	
L/C 408,000 34,000 46,000	M.Cost	Total	708,000		7,000	45,000	000'59	000'69	74,000	79,000	85,000	000'06	000.79	97,000
		ر د ک	408,000		6,000	34,000	46,000	46,000	46,000	46,000	46,000	46,000	46,000	46,000
1,000 11,000 19,000	2.Price Contingency	1/0	300,000		1,000	11.000	19,000	23,000	28,000	33,000	39,000	44,000	51.000	\$1.000

TABLE D.1.28 DISBURSEMENT SCHEDULE OF SAN JUAN SECONDARY DRAINAGE

								-		-		
		2.001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2.009	2,010	2.011
	25,182,000			3,228,000	3,525,000	3,525,000	3,651,000	4,029,000	3,651,000	3,525,000	48,000	
	9,930,000			1,273,000	1,390,000	1,390,000	1,440,000	1,589,000	1,440,000	1,390,000	18,000	
	15,252,000			1,955,000	2,135,000	2,135,000	2,212,000	2,440,000	2,212,000	2,135,000	28.000	
	0			0	0	0	0	0	0	0	0	
2/2	٥			-0	-ō	0	0	0	0	Ö	0	
F/C	0			0	0	0	٥	٥	0	0	٥	
C. Administration Cost Total	1,259,000			0	176,000	176,000	183,000	201,000	183,000	176,000	164,000	
(5% of Item A + B) L/C	1,259,000			0	176,000	176,000	183,000	201,000	183,000	176,000	164,000	
L/C only F/C	0		-	0	0	0	0	٥	ō	0	0	
D. Engineering Cost Total	2,519,000			252,000	353,000	353,000	365,000	403,000	365,000	353,000	75,000	
(10% of Item A) L/C	504,000			20,000	71,000	71,000	73,000	81,000	73,000	71,000	14,000	
L.C.20%, F.C. 80% F/C	2,015,000			202,000	282,000	282,000	292,000	322,000	292,000	282 000	61,000	
Subtotal (1) Total	28,960,000			3,480,000	4,054,000	4,054,000	4,200,000	4,633,000	4,200,000	4,054,000	285,000	
(Nem A+B-C+D) L/C	11,693,000			1,323,000	1,637,000	1,637,000	1,696,000	1,871,000	1,696,000	1,637,000	196,000	
E/C	17,267,000			2,157,000	2,417,000	2,417,000	2,504,000	2,762,000	2,504,000	2,417,000	89.000	
E. Physical Contingency Total	4,344,000			\$22,000	000*609	000,609	630,000	695,000	630,000	000 609	40,000	
(15% of Subtotal (1)) L/C	1,754,000			198,000	246,000	246,000	254,000	281,000	254,000	246,000	29,000	
F/C	2,590,000			324,000	363,000	363,000	376,000	414,000	376,000	363,000	11,000	
Subtotal (2) Total	33,304,000			4,002,000	4,663,000	4,663,000	4,830,000	5,328,000	4,830,000	4,663,000	325,000	
(Item A+B+C+D+E) L/C	13,447,000			1,521,000	1,883,000	1,883,000	1,950,000	2,152,000	1,950,000	1,883,000	225,000	
F/C	19,857,000			2,481,000	2,780,000	2,780,000	2,880,000	3,176,000	2,880,000	2,780,000	100,000	
F. Price Contingency Total	15,112,000	0	0	894,000	1,360,000	1,681,000	2,091,000	2,717,000	2,854,000	3,156,000	359,000	
(1/0-1%)	8,606,000	0	0	473,000	758,000	943,000	1,181,000	1,546,000	1,635,000	1,821,000	249.000	
(F/C-4%) F/C	6.506.000	0	0	421,000	602,000	738,000	910,000	1,171,000	1,219,000	1,335,000	10.000	
Total Total	48,416,000	0	0	4,896,000	6,023,000	6,344,000	6,921,000	8,045,000	7,684,000	7,819,000	684,000	
(Item A+B+C+D+E+F) L/C	22,053,000	0	0	1,994,000	2,641,000	2,826,000	3,131,000	3,698,000	3,585,000	3,704,000	474,000	
F/C	26,363,000	0	0	2,902,000	3,382,000	3,518,000	3,790,000	4,347,000	4,099,000	4,115,000	210.000	
O.M.Cost Total	2,359,000		0	0	45,000	101,000	164,000	239,000	329,000	425,000	\$28,000	528.000
1.0.M.Cost L/C	1,237,000		0	0	32,000	67,000	102,000	139,000	179,000	216,000	251,000	251,000
2.Price Contingency L/C	1,122,000		0	0	13,000	34,000	62,000	100,000	150.000	209.000	277,000)	277.000

TABLE D.1.29 DISBURSEMENT SCHEDULE OF ANTOFAGASTA

Ttcm		Amount					Year						
			2.001	2.002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2.010	2.011
A. Construction Cost	Total	75,889,000	2,424,000	11,347,000	8,600,000	5,550,000	12,068,000	7,668,000	6,392,000	8,765,000	10,247,000	2,828,000	
	2/2	30,332,000	1,080,000	5,055,000	3,679,000	2,226,000	4,834,000	3,074,000	2,444,000	3,235,000	3,735,000	970,000	
-	F/C	45.557,000	1,344,000	6,292,000	4,921,000	3,325,000	7,235,000	4,594,000	3,948,000	5,530,000	6,513,000	1,855,000	
B. Land Acquisition	Total	0	0	0	0	0	0	0	0	6	0	0	
	2	0	0	0	0	0	0	0	0	0	0	0	
	2/3	-0	0		0	0	0	0	0	0	0	0	
C. Administration Cost	Total	3,795,000	0	568,000	378,000	189,000	604,000	472,000	216,000	439,000	\$13,000	416,000	
(5% of Item A+B)	7,7	3,795,000	0	568,000	378 000	189,000	604,000	472,000	216,000	439,000	\$13,000	416,000	
LC only	F/C	0	0	0	0	0	٥	0	C	0	0	0	
D. Engineering Cost	Total	7,588,000	189,000	1,135,000	837,000	\$16,000	1,207,000	805,000	594,000	876,000	1,025,000	404,000	
(10% of Item A)	70	1,517,000	38,000	227,000	167,000	104,000	242,000	160,000	118,000	175,000	205,000	81,000	
L.C.20%, F.C. 80%	FC	6,071,000	151,000	908,000	670,000	413,000	965,000	644,000	474,000	701,000	820,000	325.000	
Subtotal (1)	Total	87,272,000	2,613,000	13,050,000	9,815,000	6,257,000	13,880,000	8,944,000	7,200,000	10,080,000	11,786,000	3,647,000	
(Item A+B+C+D)	2/3	35,644,000	1,118,000	5,850,000	4,224,000	2,519,000	5,680,000	3,706,000	2,778,000	3,849,000	4,453,000	1,467,000	
	F/C	51,628,000	1,495,000	7,200,000	5.591,000	3,738,000	8,200,000	5,238,000	4,422,000	6,231,000	7,333,000	2,130,000	
E. Physical Contingency	Total	13,090,000	392,000	1.958,000	1,471,000	939,000	2,082,000	1,341,000	1,080,000	1,512,000	1,768,000	\$47,000	
(15% of Subtotal(1))	2/3	5,346,000	168,000	878,000	632,000	378,000	852,000	\$55,000	416,000	578,000	000'899	221,000	
	F/C	7,744,000	224,000	1,080,000	839,000	561,000	1,230,000	786,000	664,000	934,000	1,100,000	326,000	
Subtotal (2)	Total	100,362,000	3,005,000	15,008,000	11,286,000	7,196,000	15,962,000	10,285,000	8,280,000	11,592,000	13,554,000	4,194,000	
(Item A+B+C+D+E)	2/1	40,990,000	1,286,000	6,728,000	4,856,000	2,897,000	6,532,000	4,261,000	3,194,000	4,427,000	5,121,000	1,688,000	
	F/C	59,372,000	1,719,000	8,280,000	6,430,000	4,299,000	9,430,000	6,024,000	5,086,000	7,165,000	8,433,000	2,506,000	
F. Price Contingency	Total	30,167,000	326,000	2.548,000	2,158,000	1,200,000	4,532,000	2,822,000	1,893,000	4,261,000	6,172,000	4,255,000	
(L/C=7%)	1/0	15,318,000	186,000	1,514,000	1,202,000	269,000	2,473,000	1,532,000	873,000	2,169,000	3,199,000	1,601,000	
(F/C-4%)	F/C	14,849,000	140,000	1,034,000	956,000	631,000	2,059,000	1,290,000	1,020,000	2,092,000	2,973,000	2,654,000	
Total	Total	130,529,000	3,331,000	17,556,000	13,444,000	8,396,000	20,494,000	13,107,000	10,173,000	15,853,000	19,726,000	8,449,000	
(Item A+B+C+D+E+F)	1/c	56,308,000	1,472,000	8,242,000	6,058,000	3,466,000	9,005,000	5,793,000	4,067,000	6.596,000	8,320,000	3,289,000	
•	F/C	74,221,000	1,859,000	9,314,000	7,386,000	4,930,000	11,489,000	7,314,000	6,106,000	9,257,000	11,406,000	5,160,000	
O.M.Cost	Total	7,779,000	0	29,000	180,000	313,000	419,000	642,000	820,000	000'966	1,237,000	1,541,000	1,602,000
1.O.M.Cost	2/2	4,203,000	0	24,000	137,000	223,000	279,000	400,000	477,000	\$41,000	629,000	732,000	761,000
2. Price Contingency	F/C	3,576,000	0	2,000	43,000	90,00	140,000	242,000	343,000	455,000	908.000	809.000	841.000

TABLE D.1.30 DISBURSEMENT SCHEDULE OF ARROYO JOCHI

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Item		Amount					Year						
			2.001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2.01;
A. Construction Cost	Total	18,911,000	2,424,000	11,347,000	5,140,000								
	2/0	8,425,000	1,080,000	5,055,000	2,290,000					• •-			
	F/C	10,486,000	1,344,000	6,292,000	2,850,000		•						
B. Land Acquisition	Total	0	0	0	0								·
	2	0	0	0	0								
	F/C	0	٥	0	0								
C. Administration Cost	Total	946,000	0	568,000	378,000								
(5% of Item A+B)	1/0	946,000	0	268,000	378,000	-							
L/C only	F/C	0	0	٥	0								
D. Engineering Cost	Total	1,891,000	189,000	1,135,000	567,000	•				~ = J			-
(10% of Item A)	1/0	378,000	38,000	227,000	113,000								
L.C.20%, F.C. 80%	F/C	1.513,000	151,000	908,000	454,000						-		
Subtotal (1)	Total	21,748,000	2,613,000	13,050,000	6,085,000		,		<u> </u>				
(Item A+B+C+D)	2	9,749,000	1,118,000	5,850,000	2,781,000				· · · · · ·	.=			
	F/C	11,999,000	1,495,000	7,200,000	3,304,000					 			
E. Physical Contingency	Total	3,262,000	392,000	1,958,000	912,000								
(15% of Subtotal (1))	1/C	1,462,000	168,000	878,000	416,000								
	F/C	1,800,000	224,000	1,080,000	496,000				_				
Subtotal (2)	Total	25,010,000	3,005,000	15,008,000	6,997,000				· 				
(Item A+B+C+D+E)	1/0	11,211,000	1,286,000	6,728,000	3,197,000								
	F/C	13,799,000	1,719,000	8,280,000	3,800,000								
F. Price Contingency	Total	4,513,000	326,000	2,548,000	1,639,000	0	0	0	0	0	0	0	
(L/C=7%)	1/0/1	2,694,000	186,000	1,514,000	994,000	0	0	Ö	0	0	0	0	
(F/C=4%)	F/C.	1,819,000	140,000	1,034,000	645,000	0	0	0	0	Ö	0	0	
Total	Total	29,523,000	3,331,000	17,556,000	8,636,000	0	6	0	0	0	Ö	0	
(Item A+B+C+D+E+F)	1/0	13,905,000	1,472,000	8,242,000	4,191,000		0	0	0	0	0	0	
	F/C	15,618,000	1,859,000	9,314,000	4,445,000	0	0	0	0		0	0	
O.M.Cost	Total	2,888,000		29,000	180,000	264,000	282,000	302,000	323,000	346,000	370,000	396,000	396.000
1.O.M.Cost	1/0	1.665,000		24,000	137,000	188,000	188,000	188,000	188,000	188,000	188,000	188,000	188.000
2. Price Contingency	1/0	1,223,000		5,000	43,000	76,000	94.000	114,000	135,000	158,000	182,000	208.000	208,000

TABLE D.1.31 DISBURSEMENT SCHEDULE OF ARROYO TACUARAL

		Amount			• .		Year						
		1	2,001	2,002	2,003	2,004	2,005	2,006	2.007	2.008	2,009	2,010	2.011
A. Construction Cost	Total	13,817,000	-			1,772,000	8,290,000	3,755,000					
	2/2	5,529,000				709,000	3,317,000	1,503,000					
	F/C	8,288,000				1,063,000	4.973.000	2,252,000					
B. Land Acquisition	Total	0				0	°6°	0					
	2/2	0				٥	0	0		-	- . • . • .		
	F/C	0				0	0	0					
C. Administration Cost	Total	691,000				0	415,000	276,000					
(5% of Item A - B)	1/0	691,000				0	415,000	276,000				•	
L/C only	F/C	0				0	٥	0					
D. Engineering Cost	Total	1,381,000				138,000	829,000	414,000					
(10% of Item A)	1/c	276,000				28,000	166,000	82,000					
L.C.20%, F.C. 80%	F/C	1,105,000				111,000	663,000	331,000					
Subtotal (1)	Total	15,889,000		-		1,911,060	9,534,000	4,444,060					
(Item A+B+C+D)	2/2	6,496,000				737,000	3,898,000	1,861,000					
	F/C	9,393,000				1,174,000	5,636,000	2,583,000					
E. Physical Contingency	Total	2,383,000				287,000	1,430,000	000'999					
(15% of Subtotal(1))	1/c	974,000	- 14 22		_	111,000	285,000	278,000					
	F/C	1,409.000		· ·		176,000	845,000	388,000		, :	:		
Subtotal (2)	Total	18,272,000				2,198,000	10,964,000	5,110,000					
(Item A+B+C+D+E)	1/0	7,470,000				848,000	4,483,000	2,139,000					
	F/C	10,802,000				1,350,000	6,481,000	2,971,000					1
F. Price Contingency	Total	6,833,000	0	0	0	633,000	3,965,000	2,235,000	0	0	0	0	
(1/0-7%)	2/2	3,882,000	0	0	0	341,000	2,245,000	1,296,000	0	0	0	0	
(F/C-4%)	5/C	2,951,000	0	0	٥	292,000	1,720,000	939,000	0	0	0	0	
Total	Total	25,105,000	0	0	0	2,831,000	14,929,000	7,345,000	0	0	٥	0	
(Item A+B+C+D+E+F)	1/0	11,352,000	0	0	0	1,189,000	6,728,000	3,435,000	Ö	0	0	0	
	F/C	13,753,000	0	0	٥	1.642,000	8,201,000	3,910,000	0	0	0	٥	
O.M.Cost	Total	1,543,000		٥	0	0	27,000	162,000	239,000	256,000	273,000	293,000	293,000
1.O.M.Cost	2	814,000		0	0	0	18,000	101,000	139,000	139,000	139,000	139,000	139,000
2. Price Contingency	1/0	729,000		0	0	0	000'6	900'19	100,000	117.000	134,000	154,000	154.000