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				12.5	000'00	20.000	(CE)	200.00	CLAY ORD	17,120	三天 98	20 (300)	46 1.50	editura.	A1111	Children of the Control of the Contr	(KX) (EX)	MO.(3.F)	0.00	1.73	11.410	71,270	10.070	2		17.1	3811	11 714	VALUE OF STREET	intition.	HEIGH	4830 (11)	4 312 14	100	A MOUNT	(K. 5.1)		150	14 A M	456 (411)	417.8.41	Szerens	Second	Sec. (2)	311.Jus	(T) 433	S. 18	717.130	(F.0.45)	100 X	+ \$20.000	+ \$48.18.15	+ 260 (XX)	BROCEE	CED CHE + S	WY S PPIE	3 + 924.240	500	Sub-	T	7,77
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	Sention			0 + 0.00	0 + 20.00	0 + 34(0)	1070	¥ 17. + 0	0 + 153.66	11 + 139.67	0 + 180.00	0 + 200.0X	0 + 22.00	1000/0	0 + 280.00	0 + 10124.1	0 + 3300	0.4 340,0	E 16040	0 + 369.02	0 + W(I.(X	8) (a + 0	CKIECT O	THE PERSON	0 + 457 7	CI + Pre. X.	0 + 325.4	11 + 560.1	1 + 504.3	0 + 613.6	0.44.0	0 + 6-0.0	0 + 500.0	O + AROUT	0 + 200.01	0 + 700	0 + 744.3	0 + 748.1	0 + 260.0	0 + 770.0	0 + 790.0	C.M.S. + 0	0 + 8/15.2	0.028 + 0	0 + 2 0 0	10-8	0 + 360.0	0 + 800.13	0 + 104.0	0 + 897.6	0.040.0	0 + 960.0	0 + 978.5	1 + 17.1	1 + 13.3	+					
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6-3/2

Station	11 + 72kkm (4) 1 1 1 1 1 1 1 1 1	Tetal
Total	5	558 275,658
Clearing Clearing	(m2) (m2) (m3) (m3) (m3) (m3) (m3) (m3) (m3) (m3	275,658
States	9 + 966.400 10 + 19.200 10 + 19.200 10 + 19.200 10 + 19.200 10 + 20.200 10 + 20.200 10 + 20.200 10 + 20.200 10 + 20.200 10 + 40.200 10 +	Total
Total Sie	(50) (50) (50) (50) (50) (50) (50) (50)	274.463
Area	(1.2) (1.2)	274,46,9
Cheming	(m) 1970 (m)	
Suries	8 + 750,184 8 + 810,604 8 + 810,604 8 + 910,733 8 + 910,183 8 + 910,183 8 + 910,183 8 + 910,183 9 + 410,183 9 + 410,183 9 + 10,183	Total
Total	(402) (1981) (19	218.987
Cheming Area	0 0 0 0 0 0 0 0 0 0	238,287
Longh		
Station	(59) 7 + 563.800 (59) 7 + 544.850 (59) 7 + 544.850 (59) 130 7 + 563.000 (59) 130 7 + 563.000 (59) 130 7 + 563.000 (59) 130 7 + 663.000	
Total	(602) (603) (604)	210,516 21
Cherring	(m) (m) (1) (1) (1) (1) (1) (1)	
Station	\$ + 941.520 \$ + 941.520 \$ 5 + 940.430 \$ 5 + 940.430 \$ 6 + 171.359 \$ 6 + 171.359 \$ 6 + 20.010 \$ 7 + 20.010	Total
Clearin	(a) 1880 1980	182,56
O I Coming	19 19 19 19 19 19 19 19	182,544
	6-343	

Quantity Calculation 6.1 Earthwork

(m) Sectional Ground (2-ft) (2	Acress	s Road	Road Name	.,	Conguill	lo Access	Conguillo Access Road (Membril		lo~Buenaventura)	ventura	آءِ					-				Ľ		
1									Earthw	ork					<u> </u>		1.000		Picht Side	7_		
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Note	.52	Dietanor	S	@mon (C=0.90		Westh		(01.1	Total	Emb	ankment Section		Total	_	Accumbicd					_		
		Œ		Ground		Sectional	Ground	Ť	Corrected Cut	Sectional	Volume	Ė	Embankment	A-18	Volume		tope (Length)		_			P -\$\$
			Area	Volume	Volume	Z.	Volume	Volume		Area			Volume B	,				Ę,			(m ₂)	
			(m)	(£m3	(E	(m2)	(m3)	(m3)	(m3)	Ê	(m3)	(m3)	(m3)	(m3)	(m3)	(45)		(JEE)		+		ı
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			Cratical				0 + 2800,000	0 + 29(0,000	1000000	0 + 3050.000	000'0011 + 0	0 + 3200 000	0 + 3250.000	0 + 3350,000	0 3400,000	0 + 3500,000	3550.000	0 + 3650,000	0 + 1700,000	0 + 3800(00)	0 + 3650,000	0 + 1050.00	0 + 4050.00m	0 + 4100,088	0 + 4200,000	0 + 050,000	0 + 4350.000	0 + 4400 CRR	CHR)(N) + 0	0 + 4600,000	0 + 4650,000	0 + 4750.900	0 + 4800,000	0 • • • • • • • • •	•	+ +	•	+ +	•	+ +	+ 1	+	+ -	+	+ +	Sub Total	Fotal
		1				(m ²)	970	807	44S	SOS	(N)	9	433	208	\$	\$23	478	270	308	ž	#E9	Ş	£ 5	(X)	£ 5	9	370	2 3	(C)	8 %	25	2.02	363	100	2.470	2 2	37.8	475	\$	358	50	808	858	585	\$68	31,375	69,148
			Ţ			(Jm2)		23	Si e	٥	0 4	28	59	63	£3.	ક	2	83	72	2 22	388	8	ş	*	₽° ∂	22	100	<u> </u>	3	¥ £	£	× 9 <u>2</u>	188	200	8	<u> </u>	288	35.	36	270	00 to	\$ S	80 \$	578	000	12,268	30,483
		Stope Protection	Kaghi Side		Slope Length	 E	2.0	0.6	0.0	000	00	1.0	1.5	1.3	3.0	13	1.5	<u> </u>	070	0.0	115	2.0	0.0	**	5 2	2.5	20	190	0.0	8: C	0.0	5 5	\$		8	207	6.5	2 5	5:1	9	0.0	130	205	17.8	78 G		_
		Slope	-					355	05.4	\$ 50	009	×	310	3	370	458	100	188	230	238	350	313	£1 §	SC#	2 E	ž	27.3	113	330	2 S	363	275	138	25 25	1,98%	1.06	8	-	011	5 3	103	8 S	000	108	103	19,108	38,665
			Lath Side		- Table	(m2)	7.5	6.7	2.5	200	13.7	0.00	8.9	7.8	0.0	7.3	0.6	5.5	3.7	7.0	3.6	5.0	0.0	13.0	5.3	C9	43	0.0	9.0	2.5	6.5	200	4.0	* 1.2°	41.7	0.0	5.0	2 2	2.2	2.0	21	0.0	20	2.3	1.8 2.0		
					and a stoke replace	(E)		50	0	0 0	ō	00	0	50	0	50	0	00	8	50	575		80	0	0 3	, 0	5 6	0051	0	00	0	0	ō	8 6	0	1.271	0	0 0	0	00	ő	00	50	5 0	oc	9.816	30,288
•					No lame	(E)	1,237	266	5,250	50.0	.301	7 258	9,155	3.233	5.869	1,051	0.883	8,333	1.153	9.529	5,595	0.627	15.8GR	2.519	3,3438 A 2018	M/90.0	8,817 M,362	27.676	509'9	0,112	6.263	38,980	SE 213	19.617	x6.512	50,133	38.046	33.173	25,337	33.751	55,501	484.293	2,796	298,10	05.940	12.76	
			- ;	_	Volume	(m3)	╅┤	- 1	1 1		1 1	- 1	, ,	I	2,646 10			<u>.</u>	1-1			81 97 B	202	5,133	2,789	398	5,445	217	7.209 35	3,507	2,162	X 1717	3,104	3.404	8,680	6.379 3.	3,885	5.127	0.674	4 14 4	4,886	6,066	3,503	6.598	4,078 5	2,004	9,241
-	-		_	_	ent A-13	(m3)		00	0	00	2	3 6		50		00		50	٥	ĺ	470	١.	9 3	0	0 0	Ш	\perp	1	0	Ш.	L	8	Н		18.680	П			Ш		Ш	000			00	11	
				Togo.	Volume B	(Em)				1				-		-		-		-		-					1							-	8			1			H	-				4	22
. *			Embankment Volume	- 1	Value	(Sm)		90	0	000	o	5 0	0	50		00	٥٥	000	0	00	470	e e	0:	0	200	> C	6 6	2	 	0 4	00	30	0	Φ[8	90	050	0	000	0	00	10	55	e i	0	00	300	01
			1	Embankment Section	Volume	(H)	1	olo	0	0 0	0	000		000	200	8 8	0	000		00		50	0	0 0	0.0		00	0	2 0 0			0.0					0			0.0	19	0.0	01	0.0	000	41.300	120,1
		Earthwork			Sectional		1						Ιİ	İ	0.0			0	0	00	6 15.8	e 0	- 64	× (C	0		6 6		2 6								300			0 0						5 3	15
		Earl		Total	Corrected Cut	Em)	1	- 1	1 3	1			1	- 1	2.646	1	i	11			1 1		1 1	ì	1!			1 1	- 1	1 1	- 1	1 1	1	1 1		1			1] [12,726					
				=1.10)	Corrected	(m3)		1	1	Н		ΙI	11		[]	Ш	1	1	1		11		11		11	1.	11	Ιł	•	11	-	1	1	H	1	H	-	H	1	ш	11	3,861	1 1	- 1	11	0 354,739	
				Weathered Rock (C=1.10)	Ground	volume (m3)	1	•			1	1 1			1,080	i I				: I	. F		1 1	- 1	4 I	- 1		1 1	- 1	1 1	ı	1 8	- 1	ŁI		$\ \ $		ļ	1			3,540					401.370
			Cut Volume	West	Sectional	5 (a)	-	1	,	11	-	I Ł	41		1 I	Ιŧ	1.	11		1 1		1	1 I		1 1	ł.	11	11	- 1	11	1	11	- 1 -	1 1								138.8					
					Corrected	Volume		ļί	-	ļ		$\ \ $.		1.458	H			1			$\ \ $	1	}												П			l			3,222	$\ \ $				
. 5				Common (C±0.90)	Ground	Volume		2,510	138	1.410	999	1,520	1,460	0551	1,620	1,710	1,760	3,730	1530	2,460	2,300	016.1	1,905	1375	3,530	3,720	2,790	96	2 2	1,880	2,110	3 ₹	4.870	4,200	0.450	820	3,670	4,880	2 950	2,710	3,780	3,580	1,900	2.590	2,270	1,920	208,715
				Con	Sectional	F (1,5	55.2	20.2	27.2	31.6	29.7	28.8	32.0	34.0	34.4	79.7	70.0	38.0	20.7	15.6	808	30	300	68.8	9 0.49	917	0.0	- ic	30.0	34.6	33.6	2	58.0	0.0	S.	8.88	106.4	47.6	809	9.69	73.6	51.6	250	41.2	35.0	
			1	Distance	Ē			\$0.000	2 5	30,000	0000	30.000	2000	20.000	\$0.000 \$0.000	\$0,000	20,000	\$0.000	00000	30.000	20.000	30.000	20,000	20 (00)	30.000	0000	20.000	\$0.000	\$0.000	\$0.000	30,000	20.000	000	\$0.000	20.000	\$0,000	30.000	\$0.000	20,000	30.00	\$0.000	\$0.000	\$0.000	000 S	20.000	2.950.000	5,750,000
				Station			2000 0000	2850.000	200,000	3000:000	3050.000	3150.000	3250.000	3300,000	3350.000	3450.000	3800.000	3600,000	3650,000	3756.000	3850,000	3900.000	4000,000	405000	4150.000	000000	4300.000	4400.000	4450.000	4550.000	00000	4700.000	4750.000	4850.000	4900,000	300000	\$100,000	\$150,000	2200.000	\$300,000	\$400,000	0 + 5450,000	5550.000	5600.000	\$700,000	\$750.000	Total
				S			1	•	+ +	+	+ +	0	†	0	•	•	+		•	0	* *	ò	• •	•	• •	÷ ;	*	* *	0	*	0	*	•	•	* 6	•	0 0	٥	+ +	ċ	* *	* 2		0	*	† 3	

		Monage			0 + \$750,000	0 + 5800.000	04 2000	0 + 5950,000	1+	0 + 6050000			+	0 - 0000 CO	. .	0 + 6400.000	0 + 6450.000	+	- 1	- 1	+	0 + 6 AMI(NX)	,	0 + 04000 410	00000000000000000000000000000000000000	(K#) Yey + 0	C THIRSTON	0 + 705011011	O + THUMAN	0 + 7150000		0 + 7250,000		0 • 750,000	0 + 7400,000	0 + 740000	0 + 7550.0cm	0 • 7641.000	0 + 7650,000	0 + 700,000	0 + 7750.000	0 + /400 000	XXXXXX	0 + 7950.000	0 + 1000,000	0 + 1050,000	000001	0	00.0551	0 + 1,00,000	0 + \$350,000	000'00#\$ + 0	0 + \$430.000	000000000000000000000000000000000000000	0 + 1530,000	0.000000	0 + 1710,000	0 + \$750,000	Sub Total	Total	
	-	10.81		(m2)		3		Š	Ş	\$69	510	06:	613		30	S	\$3	2.78	788	288	730	8	0	S.		10.59	Ş		335	520	11.7	\$33	Ē,	1.575	288	2 5	3	22	æ	3	100	2.06.5	1	310	338	335	\$	1	200	 	\$	753	7.2	388	200	1,613	1,258	313	£ 703	107,830	
-	T		-	(Jac)		8	900	3 2	100	158	405	293	£.	597	3 5	19	338	S	23	Ş.	343	25	ŝ.	3	3 5	3	1	ē	22	8.	28	Op.	Ž.	É	S	200	¥	5	206	SOS	\$	ę į	, , ,	191	Ä	133	3	201	3 2	2	157	463	\$	38	8 6	3,5	200	802	18,763	49,245	
	Kight Side				9.1	10.5	8 0	0.0	0.0	10.5	5.1	0.9	9.0			11.5	2.0	0.0	7.0	3.5	6.3	0.0	3	0.0	0 0	100	1		0.0	1.2	C 5.	10.0	£.3	0.0	2	3	1001		6.0	14.2	22	77	900		0,	0.0	2	7 6	201	9	201	0.8	10.0	53	000	 	33	330			
and dolo	_		alone realism	Ē		30		200	25.5	15	103	86	38	8 3	57.	- S	88	22	31.3	375	683	22	213	ŝ	S)	, ;	34	-	270	463	3,0	75	143	203	225	101	763	- CI - S	029	\$3	20	E03	Ç S	143	Ξ	110	33	2	2 3	2 5		200	27.5	0	0	1	886	108	i0+6:61	58,605	
	Left Side		6	Ę																			ļ				0																														2 7	96	ŞI	₩.	-
	ٳڐٙ		Slope Length	Ē	2.0	0.0	0.0		14.5			2.5	<u>۲</u>	33.0	00	3		1	8.3	4.3	15.0	18	7	00	72			-	8.5	10.	6	3,	č	Ġ.									0.0				0	74	S) F		9'0	-			00	0.4.1	2				
			Volume	<u> </u>		o	0	8	2	1		0	38	£63	•	9	8	8	9	140	117	0	8	ō	8	5	5	1	100	27	O.	0	0	4,163	1.011	5	0 0	3 5	- F	4.16	3.36	1,331	200	3 2	0	0	0	٥	0			188	22	0	٥	200	2,850	0	21.234	51.522	
		72	Volume	(£m3)	509.241	511 243	\$13,070	517.509	797.02	230 250	\$77.775	574,814	539,910	534,763	537.696	101 (7)	196 195	5	542,883	543.206	541.443	538.523	538,041	538,706	22.53	54, 915	253.400	300,011	11,000	163 KA	258 567	\$60,222	560,486	577.477	570.276	27.23	383.00	392,100	360 165	595,600	593,691	593,285	394.98	220 103	91.61.09	607,790	611.023	610.641	914.706	20,70	367.49	995 809	629.745	633,628	637.240	6.06.451	647.383	90508			
		_	-		+	2,002		1	8.738		1	1336	L		-1.067	1	1	1	ı	ł	I.	1 1	il		- 1	Į		ļ	9	١	ı	1.65	<u> </u>	Ŀ		1	1	ı	ı	2,501	H	1	1.698	L		Ĺ	1	\Box	\$ 1 5 1 1 1	1	1	Į_	L	Li	Ш	ļ	1907	1	Ш	643,740	_
	· 		E	(m3)	+	0	0	0		9		ļ		1,610			١.	ļ	ŀ	ļ								= (2 100		1						İ	İ	Ì				388	50 5	30		0	ō	0	2		188	88	0	0	500	2 850		L	9 050,191	
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	Volume	c	Vary	Volume (m3)															-																																										
	Ersbankment Volume	Embankment Section	Volume	Ę.	,,,,,	0	O	0	ò	ŝ.	3	0	\$	1,610	1,530	e t	OR.	3 8	\$	9	1,880	2,920	1.120	ō	o	Þ	¢	6		3.	9		2	4.163	4,163	3	ਨ	ន្ត	3 3	438	3330	3,738	88.	E9[5 0	ē	2	ö	8	5	5	3	188	3	ō	1,613	4.463	000	40.940	161,050	
		Етел	ล	Area (m2)	i	3 2	00	0.0	0.0	23.6	2	000	2.4	62.0	0.0	90	77	7,0	300	5 5	 E	3	0'0	60	00	0,0	ő	8	2	0.0	180		00	1 2	00	0.0	00	9	 - -	9	04.0	35	0'0	3	0 0	000	0.0	0.0	0.0	0.0	000	0.0	200	0.0	0.0	35	114.0	000	-	-	_
Earliwork				<	+	000	1.827	6,430	8.258	6.7.3	23	200	2 3	5	483	13861	2.414	00 (270	200		0	86.38	138	3,816	5,393	5.300	4,707	1,670	149	F 1	1 × 10	170	2 2		2,938	0,049	8,918		00.00	1	1.33	2,085	1.470	906	200	37.34	2,851	4,065	4.288	4.535	2.839	77.1	3884	3,611	\$25	10.	3 2 4	430	#04 790	
		Total	Ť	Volume	Cini							1				-					-								572	-	1	ļ	١			١.					ļ				ļ	ļ		İ.				ļ		Ì	2.228			2,008		-	
		(C=1.10)	Corrected	Volume	(all)										33									-	-				İ			ļ		Ì		١.				ļ								ŀ.								١.			l	ı	
		Weathered Rock (C	Ground	Volume	(em)	5		2.350	5.470	4,980	2,,66	201	S .	30	8	1.390	35	٥١٥		2 2	300		7	1	0.5	3.160	2.93	2,610	520	<u>8</u>	¢		3	A 20		3	6.87	6,125	8	200	30	1	33	71	103	782	1	180	86,1	2.81	2.20	6	78	8 8	2025	35		3	61.6	40.704	
	Cut Volume	Weather	Sectional	Area	(m)	16.8	45.	81.6	137.2	62.0	32.4	9	9.0	ğ	12	5. A.	00	00	000	000	200	5 2	5 0	0,0	180	25.6	91.2	13.2	7.6	00	0.0		0.01	000	0 1	0.0	234.0	11.0	<u> </u>	0.0	3	Ş	28.5	0.0	<u>~</u>	20.5	1	25.0	Š	58.0	30.0	-13	0.0	200	100	0.0	0.0	73.0	1770	Ì	
	S	-		Volume	(JE)	707	1 235	854	2,241	1251	1,143	585	1.193	177	2	1,332	816	180	C)	267	\$		100	3	1	1 917	2.178	1.836	1.50%	3. O.	27	ē	121	2.5%	9 6	****	2.486	2.250	943	*	7.002	1001	1 38	989	763	1.823	100	017.1	1.879	2.194	2,115	1,755	1,013	1 64.3	38	439	101	1.136	607	1	707
		C=0.90)			1	073	1,340	2.060	2,490	1.90	1,270	1,765	1,375	400	88	1,480	1.020	300	470	99	8	81	0	3 8	000	3.50	2.420	2.040	1,230	009	30	455	00	2.838	200	1675	2.763	2 500	1.050	B. 1	7.265	7,00.7	1 763	763	830	2.025	2,063	0.00	2.088	2,438	2.30	1.950	1 123	C/0.1	238	537	11	1.263	2,3/2		
		Common (C=0.90)		Volume	(£,m)	35.6								-					١			ļ		١	1		ĺ											30.0					1						١.					1			15			ľ	-
			Sectional	Area .	ÇIII										١							-	١	١	ĺ	İ		l												١																				2	5
		Distance	Œ				١	1	ŀ	١.	ļ	ı	1	ì	0000		1			П	۱ ۱	Ì	ĺ	1	١	ı		ļ	1		1	H		Ì	-	1		1	ŀ	l		١	1		1	H	-	1	1	ŀ	Į	Į	l l	1	1.	1	8000	ы	ı	1	4 7 4 1 1 1
		Station				0 + \$750.000	5800,000	2850.000	5950.000	0000009	6050,000	6100.000	6150.000	6200.000	000000	0000559	6400,000	6450,000	6500.000	6550.000	6600.000	6650.000	6700.000	6750.000	6800.000	000000	6000000	With Other	2050.000	7100.000	7150.000	7200.000	7250.000	7300,000	7350.000	1450.000	7/00/00/0	250.000	7600,000	76,10,000	7200,000	7750,000	200.00	7900,000	7950,000	\$000.000	00000	2000000	6700 000	1230000	\$300,000	\$350,000	\$400.000	\$450.000	200,000	GOO OOS	\$650.000	\$700,000	\$750.000	Total	Total
		Š				÷	•	•	* *	+	+	+ 0	÷	÷	•	•	0	0	+	•	+	0	3	†	+	*	5		2	0	1	0	+	•	*	•	* 6		•	÷	÷	ó	٠	0	0	t	•	÷	+ 0	+	+	+	ô	+ 0	ò	0	0	+	+.0	Set	

			Station			0 + \$750.000	0 + \$50,000	0 + 8950.000	0 + 9053,205	0 + 9101.295	0 + 9131.465	0 + 9174.945	0 + 9193 465	0 + 9211.465	0 + 9251.465	0 + 9271.465	0 + 9311.465	0 + 9326.825	0 + 9403,905	0 + 9441 465	0 + 9526.755	0 + 9602.625	0 + 9642.975	0 + 9691,465	0 + 9731.465	0 + 9771 465	0 + 9791.465	0 + 981 465	0 + 9841.465	0 + 9911465	534.859	0 + 9949.055	0 + 10042.535	0 + 10061.485	0 + 10120.595	0 + 10145.983	0 + 10171.465	0 + 10231.465	0 + 10251.465	Sub Lotal Total	
		T	Total	VIE	(m2)	920	413	Ę.	3 0	58	15.	S) 5	45	28	64	13 6	131	8 8	377	8 5	2	₹ c	300	į.	38C	300	370	2 2	341	105	\$2.5	3,	2 8	370	300	122	193	236	174	126.518	
	<u>.</u>		T	- Vea	(m2)	275	413	192	7 59	10	6	7.	7	<u> </u>	, 0	<u>د</u>	\$	2 0	268	345	C	502	811	081	380	21.7	370	512	341	88	13	3.5	8 12	8 9	84	8 [2	7.75	<u>2</u>	35	10.391	1
		Slope Protection Right Side	-	Slope Length	3	3.0	7.0	0.0	13.2	0.0	0.0	*	0.1	000	00	0.0	1	9 1	2.4	₽0I		39,5	26.2	17.8	11.6	25.9	12.9	29.4	29.4	200	6.5	2.5	2 2	700	0.0	15.4	0.8 4.8	<u> </u>	1		
				Arca Slo	(E)	56	S o	369	120	54	84	135	3.1	9 8	4	3 0	7.	13 33	25.22	25	ž.	743	16	46	0 0	0 0	0	2 2	10	73	12	7	110	334	275	36	29	127	149	7.522	
		Left Side		Slope Length	Ē	2.0	0.0	2,0	0.0	4.0	6.9	25.	0.0	0.0	0.0	6.1	2	5 5	0.0		09	37.0	16.4	0.0	0.0	0.0	0.0	900	0.0	17	00	2.4	19.0	16.2	4.5	0.0	F.1.1	0.0	8.2	\dagger	
			Literal	Volume Stor	(m3)	0	00	0	1001	00	00	0	00	66	5 6	8		00	1.677	51.	000	0	0	5 C	55	00	0	60	0 %		0 0	0 0	13		468	278	23	65 8	0 57	57.371	
		-	Accumbated		(m3)	640.506	653,317	657.377	558.502	657,902	659,352	662.560	663.940	665.313	667,137	667 619	181 184	669.417	670 548	669,459	5865.985	660,724	\$45,849	636,341	633.941	629.194	625,339	624,025	619,449	614.619	614,767	614.567	614.972	612.756	609,029	605,499	603,977	603,792	606,486	1	
			Balance Accu) · (gu)	8,731	1	l I	11	\$3 \$3	L.	1	596					63.1 63.1		1 1	1 1	3347	Ιí		ı	1 1	1 1		1 1	1 1	-229	300	54.3	1565	3,550	806-	181.	-185	2000	34,020	
		-	Τ-			0	ē ic	00	2.510	00	0	= 0	00	00	50	0	0 00	o e	1.677			13.5						7 28.4			23%	300	E 12	1,565	3,726	308	794	34 S	0		
			Total	Τ=	(m3)																$\frac{1}{1}$			+	1							 -							<u> </u>		
		The state of the s	Section		(m3)	0	00	000	2510	000	6	5 8	00	00	0	0 8		50	7.05	32	\$54 1	(34)	950	750	064-064-064-064-064-064-064-064-064-064-	ก	70%	1354	392		273	200	13	38	1,726	308	194	4 8	.0	5,360	1
			Embankment Section	l Volume	E	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0					.			ŀ				İ			$\ \ $			11		1	20.8		$\ \cdot\ $		7
		Earthwork	-	ng.	(m2)													Ì	$\ $		0 0			9 0		0	00	000		428			456		468				11		2
٠.,		E	TelaT	Corrected	Volume (m3)			1		20,3	11	11		Ш		1	.			00	00	50	00	00			3 P	0 :		16				60			0 0 14	}	{		
			97.1=	Corrected	Volume (m3)	88.				192						$\ $.			2 0	000	000	0	600	00	000	0.0			98									24,068	
			Newborsed Book (F=1 10)	Ground	Volume (m3)	1				237				Ш				}																0			00		· 1	П	514/92
			Cut Volume	Sectional	E (E			1						7.	32.4	**	39.6	45	0.0	0.0	0.0	0.0	0.0					6 .0									98				
					Volume (m3)					170	11		-		-				738			0	0	0	0 0	0	00	0	0	336	281	0 0	386	Ĭ,	354		12.00			\prod	1
			(00 V - 0)	Ground	Volume (m3)	100	2,030	1,368	168	189	472	1915	267	9.7	1,000	8	38 38	230	6 G	2,5	0	00	00	0 0	0 2	0	0 0	0	o	374	312	0	43	0	993	357	15	118	059	20,303	311,903
				1 =	Area (m)	73.0	38.5	31.5 31.5 31.5 31.5 31.5 31.5 31.5 31.5	0.0	24.0	20.4	33.6	25.2	20.8	20.4	34.0	2,0	26.4	00	0.0	0.0	0.0	0.0	000	0.0	0.0	0.0	0.0	0.0	28.4	0.0	0.0	19.6	0.0	0.0	0.0	1.5	10.8	42.0		
					<u> </u>	8	0000	0000	\$2.080	7.950	20.000	33.000	9.080	30.000	20.000	20.000	20,000	9 920	1995	37.560	30,000	31.160	35.420	078.670	20,000	24.460	30,000	30,000	11.610	31,130	20.000	88	31.990	18.950	37.100	23.390	20 000	20,000	20.000	1,501.465	10.251.465
						1750.000	8150.000	8950.000	9053.205	9093,345	9131.465	9131.465	9184.025	9211.465	9271.465	9271.465	\$391.465	9321 W.S	938 465	9441.465	9401.465	9571.465	9631.045	9681.545	9711.465	9755.925	9771,465	9811.465	9841.465	9911.465	9931.465	9943.065	5001006	10042.533	10083.495	10143.985	0 + 10171.465	10211.465	10251.465	Total	ingo
						+	† •	1	+ +		+ +	++0	0	*	4 1 0 0	*	*	+	• •	* † • •	* 0	+ 0	• •	0		* + • •	1	÷	* *	•	00	0	* *	+ +	+ 0	,	* + 1	* +	+ + 0 0	Sug	۴

					0 + 10251.465	0 + 10271.465	0 + 10291.465	0 + 10303.840	101 101 400 AV	COC 10001 + 0	0 + 1050 TO	0 - 10411 405	O + 10461.505	0 + 10505,505	0 + 10517.085	0 + 10531.505	0 + 10541 505	0 + 10568.285	0 + 10586.285	0 + 10593.805	0 + 10612.285	0 + 10632.285	0 + 10650.175	0 + 10673.23	0 + 10683,697	0 + 11697.28	40	10770 955	0 + 10776 965	0 + 107#1955	0 + 10753,205	0 + 10768:965	0 + 10792 285	0 + 11/812.285	0 + 10825.555	0 + 10836.333	0 + 10852.285	280 0000	38001000	0 + 10925,995	0 + 10930,415	0 + 10952.285	0 + 10972.285	0 + 10992.245	10111	0000	0000 + 0	0000 + 0	0 + 0.000		0000	0000	+ 0.000	+ 0	0 + 0.000	0.000	0 + 6.000	0 + 0.000	Sub Total	1	1001
		- I		 (E)	1	191	- 1	ł	ļ	ì	1	1		1	Į.	1	}	ıı	l		┙	_	_	_	2	F'	201		*	2	2	8	\$	123	145		2	1	Car	202	2	269	1.76	St S	0	=	P	0	0	0	a	0	0	5 6	0	0	O	0	11.9		32,631
	T		- Vie	(m3)		3	3.	14	2 5	21	: E	661	2 2	 	8	\$	1,	57	32	0	ж	113	914	113	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Ş		4 4	7 2	=	\$	77	Ξ		0	0	×.	16	F. 5	2 0	-	٥	12	3	2 3	9	0	0	0	0	ð	5	5	5 0	6		0	0	1	100	62,682
O mark Side	Will the same				3	73	90	23	5 9	a: ;	10.1	000	2.5	10		3.2	3.9	2.9	0.0	0.0	3.9	7.4	5.1	Š	\$ *	6.9		-	200	200	0	0.4		0.0	0.0	0.0	4.5	•	0.0	90	00	0.0	1.2	91	orc ·	2 5	90	00	00	0.0	0.0	0.0	0.0	200	0.0	0.0	0.0	0.0	80	-	
o district	-		Slope Length	Ê	+	121	117	105	169	35	si.		700	300	2 2	87		3	32	0	3	5.4	57	99	8	23	8	\ \$\\\	-	20	, [6	0.	Į.	36	141	111	0.	150		27.7		592	191	3	5 6	5 0	3 0	0	ō	ō	0	0	ō	0) e	13	0	0	000	7707	70,149
1 -6 6:34	A11 0100		egy.	- R	ı	4.5	6.6	4.8	25	6.0	6.5	3:0	2.0	613	2.0	2.0	17	35	0.0	6.0	3.2	32	3.0	2.9	2.6	2.5	2	2	F. 6	07.0	1	-		5.8	15.4	4.8	1.6	5.	18.4	13.0	5 -	12.0	4.4	0.0	0.0	200	000	00	000	0.0	0.0	0.0	0.0	000	000	0.0	0.0	0.0	00	1	
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		in the second	Volume	£	П					-	ļ																	1							ŀ					C)					7			2	1	1	3	8	5	5		1		5	3	1	85
		Accordated	Volume	Ę	767 707	610.898			Į		١	-1	-	ļ	١	Į	1	ı	ı	1	ı		ı	l				-	Ì	ĺ	1	ĺ		ļ					ļ	1	1	ı		П		662.91	662.9	6700	6700	0 0 0 9	662.91	662.91	662.91	662,9	662.91	6,500	0 0	662.915	662,91		
		Balance	П·V		(an)	4,412	5,192	3,269	3,942	1,104	1,205	757	22	33875	6.173	201.0	17.70	100	80		16.09	1 916	2.740	3 894	9651	LBG	1.616	198	233	100			9.	266	-1 229	-1,013	180	1,344	540	-774	986	735	Z(n.	46	320	109	0	0	0	0	0	0	0	0					Q.	8.43	666,149
		Total	Embankment	Volume B	(cus)	0	0	0	0	ō	204	222	0	0	0		5 6	5	5	1	1	2	0	0	o	0	o	0	5	7.	5	5	3	3	1 229	1.013	146	0	3.	92	<u> </u>	2	316	99	0	0	8	5 0	9	0	Ö	0	0	0	Ö	5		0	0	5,910	243,321
	lume		Vary Em		6	1			ļ.,	<u> </u> -	_					1				1	I													-	-												1			1											-
	Enbankment Volume	Ensbackment Section	Volume		(m3)	2	ē	50	Ó	c	207	252	0	Ð	0	8	5	0	5 0	5 0	5 6	5 12	5 2	1	c	0	10	c	3	7	0	3	0	2 12	0401	1013	97	0	364	788	\$	77.00	316	150	0	0	0	8	5 6	3	5 0	0	0	φ.	0	0 0	5 6	0	9	5.910	243 321
	ED.	Enbankm		•	4	000	030	000	0.0	0.0	20.4	0.0	0.0	0.0	0.0	0:0	0.0	0.0	0.0	0.0	000	0.0	0.0	200	0	0.6	0.0	0.0	2.0	O'O	0.0	000	0.0	000	9 2 2 2	3.8	0.0	0.0	36.4	42.4	4 .6		0.47	0.0	0.0	0.0	00	000	0.0	000	000	00	00	0.0	0.0	0.0	000	00	0.0		
			Out Sectional	A Area	E		200	2 99	270	12	00	600	67	175	6,173	5	358	292	673	308	5 6	2	910	700	200	7.50	9()	198	7.7	107	73	248	347	618	200	0	301	7	3	7.	o	01	2 3	: 1	120	109	0	\$	0	5	5 0	0) 	0	6	٥,	0	0	0	340	909,470
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		(C=1.10)	Corrected	Volume	(m)										4.874												9								53			2							=							5 6								١	610277
		Weathered Rock (C.	Ground	Volume	(Em.)		3,44	2.7.5	2 548	210	613	203	426	2680	4,431	1,798	2,454	2,420	986	13	٥	2	890	1,695	2023	1.00	200	1	74	1	0	=	102	3	200		1991	282	578		0	9		0 1	96	1	0	0	0		7					,				78,95	554.797
	Cut Volume	Weathe	Sectional	Λrea	(m ²)	107.2	207.2	0.8	4.0	0.00	98	0 90	38.80	78.4	123.0	187.6	152.8	89.2	24.8	0:0	0:0	87.	72.0	110.8	8 1	78.3	32	, C	0.0	0.0	0.0	1.8	11.2	20.03	0.0	0.0	0.0	8 6.5	u o	0.0	0.0	0.0	0.0	0.0	701	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	800	0.0		
		-	Corrected		(mg)		954	1.087	100	2.1.3%	314	132	Oyl	120	1,399	474	859	506	139	363	o	269	747	876		98	000	-	5	9	F	276	23.5	419	198	8	5	100	100	14	0	٥	0	7	101	15	ō	0	0 .	0	8	0	0	5 6	ō	0	0	•	ste	(X 430)	700 103
		or (C=0.90)	Pan		(m3)		090	1.208	88	200	3	760	080	1030	4	527	Ę	1,006	069	292	0	506	8.34	573	1,237	3	8	200	571	1	13	262	192	465	230	0	0	107	200	36	9	0	₽.	9 .	777	***	0	0	0	0	0	0	¢	=	0	0	ō	e	0 0	20 (17	200
		Совтов	Sectional		(m2) (42.0	64.0	36.8	7	36.4	R 9	-	21.8	16.0	4 6	50.6	808	49.8	32,4	0.0	0.0	32.4	50.0	55.0	55.4	47.8	4.4	4 6 6	16.4	-	32.0	15.2	17.9	22.0	0.0	0.0	0.0			000	9	0.0	0.0	9 .	9 9	14.0	0.0	0.0	0.0	0.0	0.0	0.0	00	000	00	0.0	0.0	0.0	0.0	2.0	
		<u> </u>	1		Ę.		00000	00000	18.380	130	9.530	300.00	24.690	0.000	30,000	0005 1	0.00	0000	(6.780	18,000	7.520	18.480	20.000	18.540	22.410	0,460	¥.590	30.00	100	2010	100	13-4-1	15.760	13,320	20,000	13.270	000	15.730	0000	20.000	012.61	4.820	21.470	20,000	20,000	0.530	0000	0.000	0000	0.000	0,000	0000	0000	0000	0.000	0000	0000	0000	0,000	000	34001011
		Distance				П			ļ	İ		1			ļ		ì	Ĺ	İ	Ì	l		l			П	Į	1		ı	ĺ	Į	1	l			ŀ	1	1	١	1	1	1	li	-1	١	1		ļ].	١١	1	-1	1	ľ	ŀ	ľ		1	l	-
		Station				0 + 10251.465	0 + 10271	0 + 10291	0 + 10309	0 + 10341	0 + 10351	0 + 10371	0 + 10.96	1001 + 0	0 0	10517	1001	10551	0 + 10568	0 + 10586	0 + 10593	0 + 10612	0 + 10673	0 + 10650	0 + 10673	0 + 10683	0 + 10692	0 + 1071	10724 0 + 10724	0 + 10/2	* 0	100	10769	0.00	0 + 10812	0 + 1062	0 + 106%	0 + 1085.	0 + 1087.	0 + 1009	100	0 + 1093	0 + 1055	0 1097	0 + 1099	911				•	+ 0	0	• 0		•		0	•	0	C. Toba	and tone

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	-	<u>ā</u> T	8	(£#2)		0 2	18	n	30 3	33	23	2 23	; ,	3:	2 3	1	Ŷ	8 8	92 2	661	32	¥ 3	36	80	88	· 86	Se °	7 40	0	0 0	- B	55	0	0 5	22	2	2-	1010	113	42	30	8 8			0 E	
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Conguillo	THE CHILD	1	oped Curl Sect	≺	+	8	216	3,470	3.084	\$ 2	3	1,206	910	2,600	3,028	20.0	1,695	299	9		0	0	00	1,140	3,029	019	٥	7 7	24.	181	312	£ 38	1.367	ฆิ	3 3	1,180	339	2 2	70	, 0	9	Ş.	Ř.	2.181	1,281	3
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Conguillo Access Road (Membrillo			Corrected	Volume	ì	\$	133	128	1, 102	286	333	\$11	<u>\$</u>	6	731	612	689	270	0	3 0	٥	٥	00	609	1.074	. Se	0	2	51	141	ä	310	8	8	£ &	8	æ	2	70	, 0	146	3,8	Z/2	833	S	
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		Sathon	7 /2.		2 + 214810	2 + 226.490	2 + 240.000	2 + 260,000	2 + 280,000	2 + 280 200	2 + 300360	2 + 310 000	2 + 320 000	1 + 2 C	0009 24 7 7	2 + 359,070	2 + 418,750	2 + 440 000	2 + 460 000	7 + 400,000	2 + 508.240	2 + 521,990	2 + 599 160	2 + 557.510			7 + 00000	2 + 617,010	2 + 635,000	2 + 640.000	7 + 600,000	2 + 696.150	2 + 734.110	2 + 759.020	2 + 780 000	2 + 820 000	2 + 830,000	2 + 841 700	2 + 848.890	2 + 860,000	2 + 800 000	2 + 905 000	2 + 917700	2 + 930 000	200	000.00	2 + 90,000	3 + 0,000	3 + 20,000	3 + 28 130	3 + 117 \$30	3 + 140 000	3 + 160,000	3 + 180 000	3 + 257,880	Sub Total	2
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					88	1044	35.280	38.283	(3,00)	45,882	949	99,786	20,030	9	20716	44.0	56.93	57.430	\$6.58	386	078 87	40 842	12000	60,065	906,09	61,422	2.0	200	61,70	99.19	1 200	63.062	66.438	71,749	16.7	000,000	93.082	95058	95,133	95,249	12.50	200,00	1800	00,633	26.963	03.100) P (5)	100	968'15	92.344	27,917	91.19	89,262	86,926	234	H	
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	-	Embank	ectional V	Area (m2)		9	0.0	90	00	0.0	0.0	90	65.2	8	9	000	0.0	29.8	21.6	90	2 3	5 6	27.72	00	0.0	9 .0	33.8	000	882	0.0	24.6	300	00	αo	00	000	88	90	Ö	12.0	8	3 6	100	1 68	248.9	272.8	0.661	900	90	0.0	00	80	103.6	1300	1,84	F	
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Earthwork		Total	Corrected Cur	Volume A	Ì	25	20 6	20,000	181	12	800	3.77	525	5	113	40.	82	3,040	=	٥	1.886	3,115	7.807	5 6	0	0	0	0	9 5	35	\$	362	323	330	135	38	1 695	8.50	6787	77.7	2,118	4 286	21.621	616	3,150	4,276	8.5	3.42	2002	1288	4608	6.40U	251.7
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	Cut Volume	Weathered Rock	Sectional	4 §	,	0.0	0	2 4	9	000	ជ	3	0	88	0.0	9.3	280	200	00	0.0	76.0	79.8	000	100	00	go	0.0	90	000	2 47	183	184	120	100	000	0.0	1150	3804	140	100	1168	9621	253.6	71.1	αo	114.2	125.2	123.2	126	121	308.4	3876	41.00
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		Common	Sectional G	Area V		7.2	2	\$5	90	1.2	21.6	126	0.0	99	112	22.8	14.9	378	7100	00	350	33.2	0.0	000	2 6	00	00	0.0	00	0 0	27.2	18.4	258	8.61	0.0	0 70	57.4	720	2,2	260	*	386	3 6	34.4	00	0.72	46.8	480	24.4	168	31.2	77.4	23.0
_	<u>L</u>	Distance	(iii)	- '		20 190	13.690	20,000	20,000	22.420	24.480	2000	42.580	17,070	20000	20.00	20,000	0000	omnt.	11 720	32.780	26.770	48.650	40130	20,000	20.000	13.840	11300	14.860	20000	0080	21300	2.500	2000	14 500	7.480	18250	27.180	18170	221.0	20,000	20000	73 000	40350	8 43.0	50,930	11.340	20,10	20,000	WWW.	20.000	13,000	200

		. Setting			5 + 941.520	5 + 986,020	5 + 999.430		6 + 57.890	6 + 105,300	6 + 153.940	6 + 171.530	6 + 210 620	6 + 240,000	9 + 260,000	6 + 281.100	320,000	6 + 337.540	6 + 360,000	6 + 370,000	6 + 380,000	0 + 393 LA	6 + 421 600	6 + 445 500	6 + 495.490	000000	000.000	000 096 + 9	9 300 000	6 + 34 20	6 + 690 390	6 + 722.550	4 74 500	060 508 + 9	6 + 845.840	00 / O	000.006 + 9	6 + 913.720	000 188	7+ 31.200	7 + 74,380	7 + 127.070	7 + 184,330	7+ 215360	7 + 247.360	7 - 295 000	7 + 320,000	7 + 340,000	7 + 380,000	7 + 400.120	7 + 444,330	Sub Toral	Total	
T		Top	- Year	(m2)		612	₹ :	2 -	5	301	406	151	27.3	2 8	173	128	3 2	219	190	\$3	45	e io	22	98	175	2 5	78	232	319	132	9	228	141	183	\$35	80 5	3	388	2	1,176	1,578	136	ž,	<u>s</u> i	2	*	333	<u> </u>	31	0	zi t	21.009	94.8 67	
-	4		Age.	(j		Ş	28	77.	8	239	328	128	322	5 39	140	š	À	72	138	2	8	-	T S	641	110		20 20	<u>\$</u>	278	152	122	95	æ \$	₹	Ä	€ 5	7 0	ō	0	Ä	196	8 %	170	0	2	E	8	2 2	9	0	0	1000	44,738	
Stope reserved	E.S. Side		Slope Length	Ē	\$	16.0	90	2 6	19	6.5	7.0	7.5	0.6	38	5.7	4.2	2.6	3	7.0	10.0	5.6	17.4	200	3.0	*:	1.5	100	194	**	7	00	6.0	Ì						000										00	0.0	00	,,		
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		Total	Embunkment	Volume B	(a)	°	0	٥	0				0	0		0			490	502	STE	32	68					729	816	35	3	1.62	33		2200	1.57	300	3.04	5.180	16,35	806	16.79	9.70	115	*	136	1,415	82			2.	200	261 230	
	Embastment Volume	non	Vary	Volume	ĝ		0	0	5			0	0				0	0	56		2	00	-				0	514	9	3	200	14	80	512	100	86	20	9 69	0	-	2	2	F9 6	12	2	~ a	- N	*	0 0	5 2	*	2 6	5	
•	Emberetr	Embankment Section	Volume	. (ê			0	0						5 6					502				8	100						149							1	3,180										0	3 6		93.75	054.720	
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		Station				5 + 941.520	5 + 986.0	5 + 999.4	2007 + 0	6 + 57.8	6 + 105.3	6 + 153.9	6 + 171.5	6 + 220.0	6 + 2400	6 + 260.0	6 + 281.1	6 + 3200	6 + 337.3	6 + 360.0	6 + 370.0	1086 + 9	0 + 200	6 + 421.6	6 + 445.5	1564 + 9	0005 - 9	6 + 3400	6 + 560.0	6 + 380.	9 + 6	9069 + 9	6+ 72	4 74.5	6 + 805.0	4 94.5	9 + 80.0	9 + 900 (6 + 913	6 + 99L2	1 31,	7 + 74	7 1385	7+ 184	7 + 215	1.2	7 + 20\$	7 + 320	7 + 3601	7 + 3801	7 + 400	7 + 485,580	Sub Total	Total

-			Station				7 + 465,580	7 - 349 620	7 + 579.320	7 + 600,000	000 029 + 2	7 + 640,000	7 + 560,000	7 + 687.930	7 + 734,390	7 + 781,190	7 + 100,000	7 + 800,000	7 + 860,000	7 + 878 330	7 + 500,000	2 + 920,000	7 + 930,000		7 + 980,000		8 + 31.720	00000 + ¥	E + 80.000		120,000			3 + 180 000	8 + 210.000	8 + 220.000	3 + 340,000	8 + 284,930	8 + 321.780	8 + 370.470	8 + 394.000	8 + 41 900	000 (97 + 8	8 + 473.800	8 + 499.420	8 + 359.620	8 + 560,000	8 + 580,000	000009 + 8	8 + 620,000	8 + 673.330	8 + 701 230	Sub (04a)	ŀ
			I OF	14 ×		(whZ)	800	85	1,	7	3	וט	8	230			1			ถ	20	8	$ \cdot $	1			282	286	955	90	122	692	899	181	g				608	1.286	27	77	735	4	\$82	0.0	13	TT.	SS	415	269	130	10 7.8	13,70
		Sign		Ę		(m2)		5 0	0	B)	5 6	8	6	8 8	2	2:	16	×	202	3	RI F	ন	22	2 2	7 2	159	2	5 5	362	38	a age	281	279	S 82	3	2	0	2 60	8	183	88 3	2 3	10	9	19	6 :	30	8	98	en c	20	0	50205	3,020,0
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		ige.		5		(III)	900	3 5	11.	72.	3	77.	\$ 5	193	578	ž,	5 V		0	*	7	5	30	25	2 -	335	5	3	\$	ล	1	41	686	35,	\$	7.2	<u>61</u>	2 2	736	1.105	*	\$ 5	73.5	435	\$	5	押	1	315	200	368	130	14.17	
		Left Side		More Length	,	Ē	7.5	909	7.7	43	77	19.4	302	19.4	5.5	2	000	00	0.0	4.4	2	25	3.5	9 [77	24.1	30.5	30.4	289	30.4	24.7	16.4	22.5	2 0	3.8	1.5	3	100	304	60	230	200	200	38.3	00	200	191	12.8	18.7	200	88	0.1	*0	•
		1		A CAUTH		(£)	-	5 0	0	0	5 0	0	0 5	32	88	ঠ	5 4	181	0	09	6	0	0	0	5 0	310	٥	3 0	0	o ·	5 0	0	0	5 6	o	6	0	22.0	314	626	300	2 2	\$ 0	77	152	2	0	O	0	8	- 4	2	7.860	1
			Accumbated	A O INTR		(E)	741,736	23.42	232,011	987 TE	230,803	127,721	228.113	226425	225,639	20.50	017.70	125.604	225,030	224,908	**************************************	225.829	126,205	26.5	227,100	226.430	22,380	314 760	206.134	204,935	196.695	192,795	188,633	00 E80	183,659	183,429	188.021	182 664	180,331	177,885	177.439	176.62	71.444	169,327	167,614	167,968	167,838	166.834	169,882	161.458	160,480	160,113	/8/9K	
						(<u>II</u>	7,017	3 800	-1.075	-1.52	97,	-1,012	F-1-67	198	98	9	S 8		574	-122	20 20	694	376	332	330	.1.137	3.86	XX.	4626	3,199	300	-3 900	-4 162	1 250	Z,	-230	90	<u> </u>	2133	-2.646	7	28	3.523	1,918	-1.913	333	F X	-1.024	-2,982	-2,424	5899 1899	.367	3 3	
				tenbanisment	Volume B	(QIII)	- 1	9 00	1,079	1,522	97	1,012	F. 5.	788 788	873	ĝ,	7	133	574	182	2	0	0	0	0 0	1,447	3,830	* X	6,626	81.6	1,200	3,900	4162	1,000	784	230	2 5	200	2447	3,272	748	8	3.523	1,520	2065	0 8	8 88	1 024	2,632	707	2 SS	375	122	
		/olume	\neg		ь.	(m3)	+							1			+			-				1	+		1	+			$\frac{\perp}{\parallel}$			+				1			-					+		-	1	+	+-		+	
		Embantment Volume	Embantment Section	V Olume		(m3)	- 1	200	1,079	1,522	92	1,012	86	283	813	300	2 4	<u> </u>	574	182		- 6	0	0	o (6	1,447	3,850	38.	6,626	3,199	4200	3,900	4,162	1,50	787	230	808	300	2447	3,272	748	, S	3.523	1,920	7065	5 9	98	1.024	2932	2424	689	373	100	
			Emberi	7	Are	(JIII)	33.6	5 2	1148	324	312	70.0	97.8	24.8	12.8	9	20.00	12.7	160	3.6	2 2	30	0.0	000	5 6	104.0	218.2	305	323.0	316.8	228.8	161.2	2550	× 4 ×	707	25.6	152	8	1328	1.6	620	★24	138.8	161.2	00	00	13.6	88.8	204	38.0	26.0	173	212.0	
•	Earthwork		L	Š	Volume A	(<u>B</u> 3)	-	5 C	0	0	0	0	8	25	38	22.	S F	* =	0	9	80.5	4.0	376	22.5	8	310	3	8 8	0	0	3 2	0	o	0 0	0	6	06	1/4	1 2	929	302	202	10	7	ž.	335	30	0	0	6	-	Ξ.	1	
						(803)	Š	3 6	0	0	3 6	0	0	2 0	0	0	B C	0	0	0	2	283	125	211	8 8	য়	0	-	0	0	0 0	0	0	0 0	0	0	0	2 6	1 (71	16	1	77	2 0	0	0	0	30	0	0	-	30	0		
			遗	-		(J#G)	-	1	, 0	0	0	0	0	3 6	0	8	-	5 6	0	0	٥	177	114	<u> </u>	3 . 2	ដ	0	6 6	0	0	3 6	0	٥	٥		0	0	36	161	22	9		2 0	0	0	5 2	5 G	0	0	0	50	0	0	
		Cut Volume		Sectional		- 1	00	8 8	0.0	0.0	8 8	0.0	00	5 6	0.0	00	000	000	00	0.0	27	300	120	4 6	0	9	00	2 5	00	00	200	ea	0.0	000	00	00	00	200	90	34	٥٥	1,2	2 0	8	00	000	300	00	00	00	90	8	00	
*.		ð	\dashv	**3		(m3)		0 0	00	0	0 0	0	0	3 6	88	ß	\$ F	***	0	98	ğ	10.5	220	236	3 5	88	Q.	8 4	0	0	200	0	0	0	0	0	0	, K	312	335	258	113	Ş, c	र स्प	<u>1</u>	355	Ş 0	0	0	a -	- +	13		
			(C=030)	_		(m3)		5	0	0	0 0	0	0	9 9	88	22	5 8	200	0	29	133	477	278	9	86	317	0	6 6	6	ō	5	0	o	-	0	0	50	200	***	\$	7857	2	2 0		691	38	50	0	0	5	4	2	5	
			8	Sectional		(mg)	σo	2 2	200	οσ	8	90	00	2 5	00	122	100	200	0.0	7.2	144	26.8	28.8	344	22	00	ac	8 8	00	0.0	000	0.0	αo	000	00	0.0	000	380	18	244	αo	040	00	3	128	890	00	ao	0.0	0.0	700	01	00	
			L	.g				40.770	10300	20.080	10000	20000	20000	7 630	46.460	46.800	3,460	20,000	0000	18.530	10.4.70	20000	10,000	10.000	20,000	27.820	23,900	20,000	20,000	10,000	10,000	20,000	20,000	2000	10,000	10,000	20,000	1015 66	36.850	48.690	23.530	17,900	27,620	12800	25.620	40,200	6,610	20.000	20.000	20.000	40.520	27.890	38110	
	-		Station		- 		3,180	1 350		1 1	-1.	1.	1	- 1	1	ł!	-1	٠.	1	u	- 1		100	1		1	11		1	l	-1	ı		- 1	1	1 1	i I		1	11	- 1	- 1			1			1 1	11	11		8 + 701.220	- 1	

		Sution			out out	8 + 784 150	8 + 804 660	8 + 837.710	8 + 870.440	002.616 + 8	8 + 983.500	8 + 940.000	000 096 + 8	2000000	0000	9 + 20,000	9 + 40.010	X+X	900	9 + 100.000	9 + 110 000	9 + 120,000	9 + 140 000	020 000	0 + 180,000	9 + 200,000	9 + 220 000	9 + 240,000	9 + 28.670	9 + 301 000	9 + 340370	9 + 479,800	063 659 + 6	9 + 461.770	0 + 414 000	0 + 520 000	9 + 540,000	00000	000 000 + 6	9 + 610,000	9 + 620,000	9 + 645,000	9 + 660.000	0 - 607.200	9 + 732 490	9 + 770.660	9 + 608 230	9 + 868 240	9 + 860,000	000 000 + 6	00000	000 096 + 6	9 + 966,460	Sub Lora	701
T		Total	Y)CI	į	(M.4.)	89	1211	95	152	ī	ž	94	2	9	2 4	3	162	2	1	338	35	31	<u>8</u>	1	2 12	139	8	£ £	3 03	SK.	217	* ×	3	38	2 3	139	3	8 3	3 4	38	38 2	3 2	Ιōί	90	Z	229	3 5	E	19	7	2	23	138	J.33v	119,955
45			Yust .	į	(MEX)	98	7	377	æ	3	4	0	۲ ;	X :	<u>e</u> -	0	ō	5 0	X &	66	12	O.	0	1	2	9	6	7, 5	2 7	991	7.		011	ŠQ.	352	3	157	3	3, 9	35	86	0	3	13.9	n	138	\$	F	37	15	5	į į	31	ORCT.	5
Disks Cide	X III		Stope Length	į	E)	17.9	228	00	23	200	0.0	σo	20	7.	18	00	00	000	162	0.6	8	0.0	0.0	12.6	2	40	47	23	35	3.5	23	2	3.7	6.2	366	12.5	33	90 -	*	3.5	17	2.5	7	13	12.6	3.0	2	-	9.0	2.1	00	5.9	3.7		_
			Y.	į	(M2)	1.302	8	108	219	13	3	9	133	9	7	2	791	8	25	215	23	22	861	F	8 5	t	91	7 5	2 88	911	102	*	3	181	22	9 %	<u>8</u>	88	in S	31	82	\$ 2	37								2 5		8	00/.6	1.07.07
4.00-1		-,-	Slope Length		(E)	2 4	363	13.6	000	90	7.0	13.3	00	90	3 2	12	13.1	200	77.4	3.6	0.	3.4	164	27.	730	6.0	1.6	0 0	200	24	2.8	0 4	32	\$\$	282	16.0	23		77	3.2	23	22.0	7.	4.1.		2.5	787	2 4	22	0.8	11.6	15.5	4.4		
			Volume	į	(<u>an</u> 3)	-		, c			9		90	6	5 4	7	o	o	5 0		72			0		119	•	7	74	0	0	00	0	ğ	0 0	9 6	\$	0	5 6	0	0	5 6	0	25 E	0		1,914	1	0	0	5	0			-
	•	Accumulated	Volume		Ê	156.067	13.4 617	126 100	124 1	0.052	124412	124,021	13,148	123,230	200	123,156	122,808	119,262	1177/61	115,938	115931	115,911	114,167	110,791	100340	108.124	106,517	108.835	108.807	118.50	136 151	148 795	1.53.489	153,705	148.572	143.887	143,143	145,998	152,997	167,126	171,376	170 47	181,473	181,386	187.95	194,122	194323	103 418	193,902	194,322	194,066	189.687	189,234		
		_	A-B		(Em)	17 0.68	C.S	0.00	100	3	33	390	84	28	F F		88E;	3.46	2 5	1,803	P	9	-1,74\$	-3.376	2 0	223	394	318	\$ 8	9247	16,001	12.02	7063	215	5,183	3,796	744	2825	6669	4600	4 250	1.73	2069	ij.	000 T	6.173	70!	-1.4	383	420	81.	742	ESP.	33,166	
		Total	Embenjenent	Volume B	(H)	11000	2 367	Oot, a	1344	5	38	390	968	ō	0	118	388	3.546	8 5	O S	30	8	1,744	3,376	× 8	342	0	4 (38	0	o	0	5 5	704	3,183		1,330	ō	0	0	0	8	0	\$23	्रिं	0	1,914	100	0	0	333	1,937	£33	70.824	
	r Volume	5		Volume	(m3)		Ì												-										1																										
	Embankment Volumo	Embunkment Section	Volume	,	(BB)	000	94.71	1000	W/W	06	899	390	988	0	0	9	388	3,546	8 5	0181	200	8	1.744	3,376	33,8	342	6	4	38	0	0	0	5 0	754	518	86 E	330	8	00	5 5	0	0 0	0	\$3		0	1914	1813	5 6	o	333	1.957	453	70874	
		Emb	Sectional	Anea	(m2)	212.0	8	7 1	200	500	0 0	9 68	0.0	0.0	00	7 9 0	28.2	177.6	140.6	210.2	100	11.2	163.2	174.4	8	700	0.0	40	163	200	0.0	og G	35	37.6	445.2	2012	90	9	9	9	00	98	00	***	3 6	00	99.1	000	8	σο	333	1604	38.4		
	-	Total	Corrected Cut	Volume A	(m3)	ľ	5	7	0 3	1	21/	-	81	98	3 3	17	0	o	0	3 6	77	8	0	0	6	011	366	32	11 00	75.6	18001	12,644	7 263	1,010	0	0				2 2			ļ						3 5			S			i
		(C=1.10)	Corrected	Volume	(Bud)		0	5	of	5	5		0	0	8	ala			8	Ì	ĺ					Ì		ŀl	۱	7.424		11	١			8	352	2248	£ .	1,990	3.53	5,595	205	1.73	8	4619	1.545	7	Z S	132	0	8	0	80,748	
		Weathered Rock (C=	Ground	Volume	(mg)		0	9	0	5	5 0	0	0	0	o	5 6	Ó	٥	0	0	Š	2	0	0	0	0	9	3	0	3 3	14,000	9 503	2	372	O	0	320	707	\$2.5	7.264	3,230	3086	1373	162	108	817	1.405	31	130	130	6	8	0	73.408	
	Cut Volume	Weath	Sectional	Area	(ZIII)	00	00	00	00	00	000	200	0.0	0.0	00	000	00	0.0	0.0	0.0	9 6	5 0	O	a	0.0	0 2	09	00	0.0	140	0.044	42.0	38.6	00	0.0					369.4										1					
			Corrected	Volume	(FIII)		٥	٥	0	124	712	200	38	88	S.	77	P	0	O	Ö	7 2	\$ 8	300	0	0			236		8					-		Ì			1.589			1		Ì					1	1		1		
		Common (C=0.90)	Ground	Volume	(Em)		õ	0	0	137					8		F			0		120		0	ō		1							1		8		1.		1,710											8			12.804	
		S	Sectional	Area	ĵ				0.0				١															-						. .						81.8															
		Distance	Ē			1	:		ļ	1	092'6*	- [11	1	Ιl		1		П	П	- {	1	ţ	1	11	- 1	1	1	ы	- 1	1.	1.1	ł	1	1 1	1		ŀ	2000					1	- 1		Ιí	ы	1		11			
		Station				8 + 739330	8 + 784,150	8 + 804660	8 + 837.710	8 + 870.440	8 + 919.700	8 + 993.500	000000	000 VSX + 8	990000	9 + 0000	20000	24.030	9 + 80,000	9+ 83,500	000001 + 6	9 + 110,000	000021 + 6	160000	9 + 163.000	9 + 180,000	9 - 200.000	9 + 240,000	9 + 244.600	9 + 25.670	9 + 301.000	9 + 379.800	9 + 410, 190	9 - 439 530	9 - 503 240	9 + 514,990	000000	000 US + 5	000000 + 6	000,009 + 6	000000	000 049 + 6	9 + 643,000	9 + 672.200	9 + 697,140	9 + 731,490	0 + 1000	9 + 845 800	9 + B68.240	0000000	9 + 970,000	9 + 940,000	000000	A POST	

		Station				9 + 966.460	10000	0606 + 0	0 + 124.260	0 + 170.840	0 + 185,840	0 + 238 310	0 + 272.200	0 + 331 500	0 + 355 150	0 + 386,260	420 000	0 + 429,000	0 + 440,000	0 + 400 000	0 + 49 580	0 + 317,800	2007	0+396 +0	0 + 694.870	0000099 + 01	0 + 670,000	10 + 680 000	10 + 715,000	10 + 728,600	10 + 757.920	000003 - 0	10 + 865.570	0 + 696,110	+	10 + 940,000	000 000 + 01	0 + 989340	1 + 51.170	1 + 100 000	1 + 130,000	1 + 200.000	1 + 285,000	1 + 320 000	1 + 370,000	1 + 420.000	1 + 460.000	+ 555,000	000009 + 1	1 + 650 000	Sub Total	
		7	;	<u> </u>	\dashv	٦	1 2 2	180	32	161	28	~	377	12	324	2 2	79	212	134	8 8	3		7	181		T	П	T	ł	П	ł	1		Т	1			200	8 2	88	<u>*</u>	2 2	S.	- 88	# F	35	8 8	323	137	278	10.2	
	_	Total	Area		(m)		1 2	192	E	8	8	2	212	3	8	3	. 8	8	\$	n =	8	3	2 4	16	7.0	9 6	31	22.5	\$ B	ğ	£ 5	1 S	29	3 2	1 38	7.	3 3	611	997	38	22	<u> </u>	318	86	8 2	22	31:	222	(37)	198	. 3	
	Side		Yes.		Ê																																-															
Slope Protection	Right Side		Slope Length		Ê	37	77	66	0.5	3.6	3.5	4.5	80	207	0.0	22	13.7	8.0	0.4	3.0	2.9	33	1.5	2	3.5	3.3	2.9	3.5	41.4	16.6	0.0	2	3.7	3.9	80	3.6	9 9	4.1	\$4.5	3.8	۵o	1	5.8	5.0	C	8,3	28	4 8	23	3.5		
age of	-	 	Area Sk		(TE)	1	è è	§ 2	Z	88	33	22	8 5	312	234	6	¥ 9 <u>4</u>	114	16	8 2	æ	8	1 %	3 6	S.	C 29	32	82	3	98	37	शे इत	25	20 9	**	17	8 7	18	20.	2 2	257	8	2 2	0	S 8	8 8	88	21 22	0	50	8.570	
	Left Side				ł	4 €	* 0	2	100	13	21	3.3	₹ F	17.7	2.1	77	0 0	4.4	5.5	200	25	25	03	2.5	23	30	22	36	0 0	25.7	2	33	2.1	520	33.5	3.8	77	23	3.0	3 3	13.7	2	10	00	22	12	5	0 0	00	0.0	3	
			Slope Length		Ê								ĺ																													İ										
		Lateral	Volume		(EIII)		٦	,) 	٥	0	٥	421		٥	٥		0	٥	4									0	0	4	300	0	١		٥		,	6	Î	0	1236	٥١٥	9							2.5%	
		Accumiated	Volume		(Em.3)	180,234	170 006	171 367	169.296	174,050	17,364	183,338	169.717	178.877	177.255	176,996	174 508	174,842	174,325	174.0	175,725	177,615	306	187,889	196961	195.745	191930	126,277	187.624	179,185	176,081	18,489	190,430	201.141	206.415	208,899	209.311	211,034	214.227	215250	213,960	213,151	218.308	218,937	220,488	224.224	226.446	231 837	236.754	240.021	144	
	_				_	1	7,151	745	7081	4.764	3314	\$	98.	3.665	1.573	85	040	-756	-517	22 2	ŝ	1.890	1.291	7,232	7.055	i č	185	1	2 S	8.439	3	7.894	5.011	10,691	3.396	1485	412	1378	3,199	- - -	1,290	2	2.3%	930	1.55	2.732	272	8 3	2,916	3.267	0.00	
	_	Balance	A-B		(m3)			1			0			ľ						2 C	0	ő	00	5 6	0	5 6	0						o	0	50	0	0 0			1							0					
		Total	Embenkmen	Volume B	(San)	9, 0	2,12	1	2.237				₹ 8	3665	1.57	ਸ ਰ	2 -	ζ.	S									~	2 S	8,439	3,10									30.	1,2%	70									100	
	Volume		V acy	Volume	(mg)									-													*																									
	Embankment Volume	Embankment Section	Volume	·	(m3)		181	24.	7747	0	0	0	24	3 8	1.573	95	2 2	8,	517	\$ 0	0	0	0	0	0	5 0	0	0	270	8.439	3,108	100	0	0	0	٥	0	0	0	100	1,290	200	0	0	0	0	0	5 0	6	55	4,738	
	H	Embanka	<u>-</u>		-	38.4	70.3	7 5 76	00	90	go	go	19.2	27.6	7	11.2	22.0	80.2	4.8	000	00	0.0	000	00	go	000	00	00	200	211.0	0.1		00	000	300	0.0	000	0.0	000	27.6	38.4	8	38	0.0	8	00	00	000	00	000	25	
Earthwork			M. Sectiona	Area	(EE)	 ,	0 4	2 6					1		0	0		000	0	8			⊋ 3	1 13	100	0 8	200	E	200	0	*	8 3	-	Z 9	9 9	2	71 7	2 20	3			320				Ì		-		-		
12		Total	Corrected Cut	Volume A	Œ.				1	¥.7	331	3.5	2							== 0	3 125	1,85	1.2	7.7	70.	51 P	1	A	S			4 8	50	10.69	33	7.	4	V. E.	3.18	1.1		1.2	2 6	e e	\$1	7.7	7.2	201	2,9	3.267	, Lor	
		6	Corrected	Volume	(EEE		6	5 6	3 0	3607	2,671	4480	212	9 0	-	0		9	0	0	, Q	1,206	22	167.5	363	8 5	0	5	800	6	o	100	4224	8.834	3	1.657	82.1	352	1.401	376	0	\$	§ §	8	119	1478	1.08	1 205	2030	2,192	127.14	
		ock (C=1.10)	-	Volume	(mg)		0	5 0	3 0	3.279	242	4,073	8	5 6	0	0	0	0	0	0	36	1.096	11.	\$ 265	\$157	8 %	0	ZI	3 C	0	o	8	3.840	8.091	2330	1.506	162	28	1,274	X C	0	413	1 62	F	S	2 7	8	2 605	1,845	1.993	38.89	
	ě	Weathered Rock	-	· ·	-	00	000	3 5	000	8 9	80	8.8	00	200	00	0.0	0.0	000	0.0	00	48	15.2	αo	97.	3.6	3.6	0.0	7	000	go	0.0	222	84/	88	S 9	96.0	0.1	1012	20.2	0.0	00	8.11	200	04	21.8	35.2	12.8	200	52.0	77.7	0.5	
	Cut Votur	-	Sectional	Ата	(m2)																					1																									١	
			Corrected	Volume	(Em)		~ 	١	3	1	38	1,514	35							EI .	30	*	S	2 T	1.38	11	2	212	ล			84 5	1	1,857	3(8	28	2	8 83	1.79	4			1							1,076	ł	
		on (C=0.90)	Ground	Volume	(m3)		9	5	=	, X	714	1,682	63	=	9	0	0	5	0	*	310	92	¥.	2 6	1,536	131	Ř	336	288	0	4	8	673	2063	3 8	920	239	5	1.991	<u> </u>	0	3	1,110	93	1.045	1302	962.1	718	986	1.198	NOX KE	
		Consenon	H			0.0	8	000	00	87	\$04	28.8	00	000	98	0.0	98	3 3	0.0	148	380	300	9	3	16.4	24.00	7 7 8	88	000	0.00	63	273	620	848	\$ 6	34.8	27.8	320	324	4 5	00	24.8	167	154	797	1 3	369	27.4	73.4	244	2	
			Sections	Area	<u> </u>	3	780	2 1	8 5	2 5	200	00	8	24,000	38	110	120	000	8	8	2 3	ន្តន	ş	200	080	28	38	80	88	38	320	200	325	8	3 5	000	000	3 3	283	080	8	000	88	8	000	8 8	88	998	000	20,000	38	
		Distance	Ē					·		1	1	1	П		1]	П].		1		H	1		Н		1	1		Н	1	. [l l	1	П	lÌ	1	11	ı	1	1	-1	1	11	1	1 1	1		H		
ı,		Station				- 966.46ú	16.250	2897	26.06		185840	+ 228.3 TO	+ 772.700	136.20X	355.34	- 386.260	+ 39838K	0000007 + 01	+ 440 OCK	+ 460.00C	490.00	+ 517.800	349.230	26804	10 + 694870	XX 00	Sec. 00.	680 OC	700.00	300	757.93	10 + 804.750	X 538	11.88	400	10 + 940 000	00'696	960	51.74	11 + 85.000	130.00	200.00	200	320 00	370.00	385.00	460.00	48500	4 600 00	11 + 630.000	11 + 700.00	

Working Division: 6 Conquillo Accesso Koa & Unit Quantity Description Excavation and Filling for Structures Structures Retaining wall Retaining wall $V_1 = (2.0 + 4.4)/2 \times 2.4 \times 40.0 = .307.2 m^3$ $V_2 = (3.0 + 5.9)/2 \times 2.9 \times 40.0 = .307.2 m^3$ $V_3 = (2.0 + 4.4)/2 \times 2.9 \times 40.0 = .307.2 m^3$ $V_4 = (2.0 + 4.4)/2 \times 2.9 \times 40.0 = .307.2 m^3$ $V_4 = (2.0 + 4.4)/2 \times 2.9 \times 40.0 = .307.2 m^3$ $V_5 = (3.0 + 5.9)/2 \times 1.95 \times 10.8 \times 10.8 m^3 + 5.5 \times 10.0 \times 10.0 m^3$ $V_4 = (2.0 + 4.5)/2 \times 2.9 \times 40.0 = .33.9 m^3 + 6.0 m^3 + 7.0 m^$		Remarks												· ·						(-							
Division: 6 Cenquillo Access Road Excavation and Filling for Structures Retaining wall Retaining wall N=(20+44)/2×24×400=307.2 m ³ V=(3.045.9)/2×2.4×40.0=307.2 m ³ V=(3.045.9)/2×2.4×40.0=307.2 m ³ V=(3.045.9)/2×2.4×40.0=307.2 m ³ V=(3.045.9)/2×2.4×40.0=307.2 m ³ V=(3.045.9)/2×2.5×41.3=337.6 V=(2.0+4.5)/2×2.5×41.3=337.6 V=(2.0+4.5)/2×2.5×41.0=160.2 V=(2.0+4.5)/2×2.7×40.6=329.9 V=(2.0+4.5)/2×2.7×40.6=329.9 V=(2.0+4.5)/2×2.7×17.8=160.2 V=(2.0+4.5)/2×2.7×2.8=363.1 V=(2.0+4.5)/2×2.7×2.8=363.1 V=(2.0+4.5)/2×3.5×2.5=23.8=219.1 V=(2.0+4.0)/2×3.0×6.9=219.1 V=(2.0+4.0)/2×3.0×6.9=21.1=10.2.5 V=(2.0+5.65)/2×3.05×20.0=25.6 Total																,												_
	Conquillo Access 1		Freavation and Filling for		11000	Karaining Mail	110 milhouse	excavation, an	1	V= (10+4+1/2×1.+< +v.v- 30.1.= mr	V2 = ((3.0+5.4)/2×2.4+ (1.014.0)/2×2.3/12	57.0 = 585.	(18+3-55//2×175×16.4=	(2,0+45)/2×2.5×41.3=	(1,0+4,5)/2×2.5×406=	$(2.4+5.1)/2\times2.7\times17.8$	$= (2.8+6.3)/2\times3.5\times22.8 =$	(2,4+5,2)/2×28×22,5=	(2,0+425)/2×2,25×58.8=	<, 8+3.75/2×1.95×36.8=	= 8.3/×.	(17+3.55)/2×/,P5×21.1=	(2,0+4,0)/2×2,0×678=	16.9 =	×22.5=	70	(-t-ta)	4,539.9+211=

Working Division: K		-			
Calculation Calculation Details	Unit	Quantity		Remarks	
2 Rackfill					
11.= 2072 - (2,0+1,6)/2×2,4×40.0=1344				·	
-0-					
< 2/(xx 1/+ 81) - 8.94 =					
149.8					
1,5×40.6= 1					
12.7×17.8=				,	
V9=363, 1-(2,8+2,245)/2×3,5×22,8= 161-8					
VB= 239 4-(2.4+1935)/2×2.8×22.5= 102.8					
V9=413.4- (2,0+1615)/2×2,25×58.8= 174.3					
12 x 1.95 x 36.8 =					
1/2×185×21/1=					
1 = 87				٠.	
1/2×3.0×16.9=					
VI5=322.2-(2,6+2,0)/2×3,35×22.5= 148.8					
- (2.6+2,0)/				:	
		-			٠
Tota 1					
V= 2,014.4 x 2/3 = 1.342.9					
	72	1383			
111 Free draining packfill			· ·	•	
$V=2.019.4\times1/3=10.7=1$					
	7	129	.		
	ı				

Working Division: &

	Remarks						-															
	Unit Quantity																	m² 211	-	 -		
Working Division: 6	Description Calculation Details	112 Grave padding	VI=2,0 x 40 x 0,2 = 1.6	V2= 2, 4 x 59,0 x 0.2 = 27.36	KI=18 × 16.4 × 0.2 = 5.90	14=2,0 × 41,3×0.2=16.52	VE= 2,0 x 40 6 x 0.2 = 16.24	 V9= 2, 8 x 22. 8 x 0. 2 = 12.77	V8=2.4 x22,5 x0.2 = 10.80	Vh=18x 26 8x 0.2 = 13.25	VII=>7×159×02-8.59	1	V/3= 2.0 x 67.8 x 0.2 = 27.12	VIU= 27 × 16.9 × 0.2 = 9.13	VIC = 2.6 × 22.5 × 0.2 = 11.7	VIL = 2.6 x 20.0 x 0,2 = 10.4	Tota, 210.61					

Vision: 6 (Enguillo Access Road Calculation Details Calculation Details Unit Quantity Rubble concrete for refaining Wall VI = (1.2 + 2.0) / 2 × 4.8 × 40.0 = 30.72 V2 = (2.4 + 1.8) / 2 × 5.4 × 57.0 = 584.8 V3 = (1.8 + 1.0.8) / 2 × 5.4 × 57.0 = 584.8 V3 = (2.4 + 1.2) / 2 × 5.4 × 6.4 × 6.7 = 52.7 V4 = (2.0 + 1.2) / 2 × 5.0 × 40.6 = 340.0 V4 = (2.0 + 1.2) / 2 × 5.0 × 40.6 = 340.0 V4 = (2.0 + 1.2) / 2 × 5.4 × 17.8 = 190.8 V4 = (2.0 + 1.2) / 2 × 5.4 × 17.8 = 190.8 V6 = (2.4 + 1.8) / 2 × 5.4 × 17.8 = 190.8 V7 = (2.6 + 1.6) / 2 × 6.3 × 15.9 = 195.4 V10 = (3.7 + 1.6) / 2 × 6.3 × 15.9 = 195.4 V11 = (3.7 + 1.6) / 2 × 6.3 × 15.9 = 195.4 V12 = (4.7 + 2.0) / 2 × 3.7 × 21.1 = 105.4 V13 = (4.7 + 2.0) / 2 × 3.7 × 21.1 = 105.4 V14 = (2.5 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V15 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V16 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V16 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V16 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V16 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V16 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V16 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V16 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V16 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V16 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V17 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V16 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V17 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V17 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V17 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V17 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V17 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V18 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V19 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V19 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V19 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V19 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V19 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V19 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V10 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V10 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V10 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V10 = (2.6 + 1.4) / 2 × 6.1 × 22.0 = 244.0 V10 = (2.6 + 1.4) / 2 × 6.1 × 2	Remarks									,	· .																
Calculation Details Calculation Details U Calculation Details U Cancrete for rataining 2+2,0)/2×4,8×40.0=3072 4+kg)/2×5,4×570=584.8 8+ko8)/2×5,0×46.8=30.9 0+k2)/2×5,0×46.8=30.9 4+kg)/2×5,0×46.8=30.8 2+k30/2×5,0×40.8=30.8 34,08)/2×5,0×40.8=30.8 2+k30/2×5,0×40.8=30.8 34,08)/2×5,0×40.8=30.8 2,0+k3)/2×5,0×40.8=30.8 2,0+k3)/2×5,0×10.8=30.8 2,0+k3)/2×6,0×6,0×6.8=19.5 2,1+k6)/2×6,1×20.8=20.8 2,1+k6)/2×6,1×20.8=20.8 2,1+k6)/2×6,1×20.8=20.8 2,1+k6)/2×6,1×20.8=20.8 2,1+k6)/2×6,1×20.8=20.8 2,1+k6)/2×6,1×20.8=20.8 2,1+k6)/2×6,1×20.8=20.8 2,1+k6)/2×6,1×20.8=20.8 2,1+k6)/2×6,1×20.8=20.8 2,1+k6)/2×6,1×20.8=20.8 2,1+k6)/2×6,1×20.8=20.8 2,1+k6)/2×6,1×20.8=20.8	Quantity					~								-													
Calculation Details Calculation Details the Warks 2+2.0 2×4.8×40.0 = 2+2.0 2×4.8×57.0 = 4+1.4 12×5.4×57.0 = 4+1.4 12×5.4×57.0 = 4+1.4 12×5.4×57.0 = 4+1.4 12×5.4×57.0 = 2+1.4 12×5.4×57.0 = 4+1.4 12×5.4×57.0 = 3+1.6 12×5.4×57.0 = 3+1.6 12×5.4×57.0 = 3+1.6 12×5.4×57.0 = 3+1.6 12×5.4×57.0 = 3+1.6 12×5.4×57.0 = 3+1.6 12×6.1×52.5 = 3+1.6 12×6.1×52	Unit						72	87	2.7	3	0	8	m	8	2	8	4	3 /-	9	45	<u>ئ</u>	0	1		Z		
		Calculation Details	Concrete Works	for retai	wa/		=0.04	57.0 =	- 5.91	/2 x f. 0 x 4/3 =	6)/2×5.0×40.6=	() 4+ 1,57)/2× 4,4×17.8= 190	(7,8+1,69)/2×7,0×22,8= 3\$B	22,52	(2,0+1,23)/2× 4.5×58.8=	(18+118)/2×3.9×36.8=	(27+16)/2×63×15.9=	x 21.1=	= 873×	(2,7+1.63)/2×6.0×16.9=	22.5 =	20.0 =		R 1		Formwork, FL	// / / / /

Division: 6
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Working
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Working Division 6					ſ
Calmination Details	Uhit	Quantity		Remarks	
Description					
A= 48× 40.0 = 192.0					
4 CX CY 0 =			٠.		
7 7 7 6 6	-				
2/2					
ti					
		-+			
= 3. 7 × 1/. 0 =					
An = 7.0x 22,8 = 159.6					
48 = 5.6 × 22.5 = 126.0					
= 4 14 18 8 =					
,		-			
200 7 10					
A11 = 6.3x 15.9 = 100.2					
A12 = 3.7 x 21/ = 78.1					
1 1 2			·		
207707					
1			•		
٦		-			
AH = 6, 1 x 20,0 = 122,0					
2.1					
75807 11 = 3870.3 m2					
Contraction ioints					
41= (17+210) /2 × 4,8×2= 15.36					
A= (2,4+1,4)/2 × f. 4×3 = 30.78			·		_
A) = 0		-1 - # W			
10-01-120+12)/2×1.0×2= 16.00					
(20+136)/24 50×2=					
AC = (2,4+1,57)/2×5.4×1= 10.72					
AR = (2,4+149)/2×56×1=10.84					
	:	l			

Remarks Quantity 4105 MZ Unit = 12.99 = 13.40 12 × 4,0 × 4 = 28.0 = 12.2 A=3870.3+234.8= 4105. Calculation Details Ag= (2,0+1,23)h N (2.7+1.63) (4/+9.2) contraction A=25802 Bituminous Total Working Division: 6 Description

m

Remarks							·.					
Unit Quantity						71701 Eth	<u> </u>	m³ 20470			n3kn 1861	
scription Calculation Details	Pavement	Improved subgrade material	Cut section	Embankment section L = 6,980.37 m	5764.2	+6.0 × (0.35+0.2)/2 × 6 980.5/ = 18611.5	102 Graded crushed stone subbase	V= 6.0×0.15× 22 744.59 = 20 470	Transportation of improved	subgrade material	V= 18611.5 × 0.01× 10 km = 1001.2	

Remarks Quantity 80 3 501 Unit ź 78.0m 45.0 m 54.0 m 56.0 m 36.0 m 28.8m 54.0 m 42,0 m Calculation Details 1250 = 90 18=22.5/15 ×2.4= R6= 17.8/1.5 x 2.4= 7=22,8/15×2,8= Warning Signs Miscellaneous Bridge sites (3 = 16.4/15 × N=22744.61 14=41.3/15 101 quardrai R5 = 40.61 10.04 = 1 10:15 = 2 Working Division: 6 Description

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	tity Remarks												-1-							 	
	s Unit Quantity	W	7,		¥			J. 77	l d w												
9 :uoisi	Calculation Details	7	15 x 2,0 =	d	11+x76=3	20 0/1 C V 26 = 33	5	lota / type.												And the state of t	
Working Division: 6	Description		0				₹ '	7							-						

etails Unit Quantity Remarks					M2 23157	rounol	4475	8/3/7 M									
Calculation D	Description 7 / L	CUTTAMORE	Ipi Clouring	A=23/17		106 Compaction of original gr	1 5 . 1110 nt > 0 l=										

7.1101 Clearing

7				
			Tel.	Station
	Length	Area	Arca	
	Ê	(m2)	(m2)	
	100			0 091 + 1
	1,0	SO9	909	1 + 196.7
	0	1,220	1,223	1 + 278.0
	1	100	3)	1 + 315.1
	5	332	322	1 + 344.4
	6	82	262	1 + 373.2
		=	5	3 + 380.0
	٦	2	124	1 + 400.0
	00	18	160	1 + 42(1)
-		1	=	+
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	7.1	1 (344	CMG	1 + 482.6
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	:	Station				0 + 0	0 + 0	+	+ 0	100	+	0 + 3	0 + 106.	٠ ٠	*1. + 0	0 + 37	1+	0 + 250,00	D + 360.0	0 + 340		0 + 307.	+	+	+ 1001	+	1000	(A)CP + 0	0 + +40.	11 + 457.	0 + 477,		- X-	+	0 + 570.00	0 + 340.0	+ -	0 + 640.0	٠ ١	0 + 640,00	+	+	+	0 + 780.00	+	+	0 + MILO	٠ŀ	+	+	1 + 0	1 + 42	+	-	
		Total	Area		(m2)		2	1		5	ĸ	145	311	377	417	100	3	51	5. -	24.4	114	116	135	22.8	8		- 72	7 8	7	244	7		1	1	64	-		E S	6	Ç	194	543	4.19	OR I	315	E	280	0.0		336	813	626	Ŕ.	9	500
Charge and Ca			¥		(7)		\$\$	6/	1	* 8	12	<u>\$9</u>	211	577	3.5	112	154)	\$1	×.	512	411	116	971	£	8:	2		3,1	14.C	261	7,0		11.	23	643	113	172	ŝ	100	12	¥	ã	æ	(181)	313	X.	380	0.70		336	EII	626	398	ž.	333
	Cream		- Is	i.	Ē	9.7	2	74.0	Ĉ.	2	1 4	9,2	14.0	=	- 0.5	00	7.7	12	ž	1.5	31.0	¥.4	14.0	7.7	÷	*	1	*	3.62	20.8	37.8	-	1	٩		11.3	=	-	600			1,1	13.5	15.5	16.0	14.8	13.2	0.4.	371	12.0	21.0	7.3	9.0	2	+ 61

Quantity Calculation 7.1 Earthwork

								Earthworl	Ę								5	manage to those			
	_								-												
	1				Cut Volume					Embenkment Volum	Volume			•	•	Left Side	호	Raged Stock	8		,
Station	District	Commen	Common (C=0.90)	-	Weathe	Wenthered Rock (C=1.10)	(0)	Total	Emb	Embankment Section		Total	Balance	Accuminted	Latera					igo E	Station
		Sectional		Corrected	Sectional	Ground	Corrected	Corrected Cut	Sectional	Volume		Embanicment	A-13	Volume	Volume	Slope Length	Ara	Slope Length	Area	Area	
				Volume	Area	Volume		Volume A	Arta	í	Volume	Volume B	(F	· @	(2)	Ê	ÇE)	6	(m2)	<u> </u>	
		(H)	(m3)	(E)	(m 2)	(EE)	(a)	(au)	(311)	- 1				١	1			4.3			0.0
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0 + 5420	İ	000	5 0	3 0	5		0	0	707			141	14.	1	0	200	18	13.0	17	8	0 + 100
0 + 10,000	١	000	5 0	0	00	0	o	0	121.9			G#5	0 7 0		٥	9.4	5	-78	81	<u>e</u>	180
1 + 18,000	1	3 6	C	e	00		ō	0	90.6			1,294	1.294		٥	11.2	155	¥ .	174	20	0 + 33.0
35.000	1	36	10	0	00		0	0	6.0			138	198		0	1.5	\$	211	92	2 2	+ 0
000 05 + 0	1	1.2	9	S	ao	0	Ó	es.	0.3			32	× S	Į	5	95	=	-		a =	1
0 + 73,110	1	24	42	37	00	o	0	37	6.			C	2 1	ļ		104	7 3	44	. 5	13	0 + 1060
0 + 106.020	1	86	88	75	0.0	0	0	200	2 2	1	1	17	72.			3.0	3	3.6	181	**	0 + 151.6
0 + 151.610		3.0	219	<u>6</u>	00	0	5	197	1148			2.024	1.977	1	1	00			161	243	0 + 1862
0 + 186.270	. 1	οσ	S.	4	98	5 6	5	*	27.3		+	2644	1.644	ļ		0.0			303	106	0 + 2145
0 + 214,550	1	200	3 6	9 0	1		0	10	222.8			1,910	1,910			00		22.8	238	23.5	\$ 122 ÷
000 077 - 0		00	0	0	0.0	0	0	В	52.6	H		1,721	17.72	1	0	000		١	DKY.	3 %	1000
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0 + 840.000		248	3.0	180	000	l			844			565	-386	ļ					117	157	0 + 884
0 + 804 620		rei ei	8	S.	404				0.0	1,626		1,626	161		1.485				297	362	0.000
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			Area		(m2)	807 7	114	132	88 4	18	3 2	0	8 8	911	141	3				1	1		1											-	-	7				+			+				+		8	
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-]	Volume		(m3)	.7.465	762.6	0808	347,7	7,670	7,521	7,389	-15321	20.511	169'61-	18.865	-				+-			+											+		+											+		
		_	A. B.	· · · · · · · · · · · · · · · · · · ·	(m3)	201-	-1,826	666	383	36	9	(3)	-7.932	761 77 77	820	\$002					-							+									1			+	+			+				+	6	
			Furthenhament	Volume B	(<u>B</u>	0.5	2309	0	0	0	0 0	0	2,970	1515	0	0					+			+		1		ľ							†					İ	1			+				+-	KIR.	
		r Votume	Vary		(m3)			+-										T			1					<u> </u>		1												1				1						
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			=1.10)	Volume	(g <u>m</u>)	Ş				00																																								
			Weathered Rock (C=1.10)	Volume		90 0		30						0 8					-		Ц						_											-												ì
		Cut Volume	-	Area	(m2)	288				91 95									-			+					-		-							-						+			+	-				
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	Remarks																			:	
	Unit Quantity										m³ 834			m3 943				#Skm 83			
Working Division: 7 El Guasmo Access Kona	Description Calculation Details	7.5 Pavement	las Improved subgrade material	Cut section	L=1118.75m	Embankment section	1 = 452.71m	V= 4.0 × 0.075× 1118.75	+ 4.0 × (0.35+0.2)/2 × 452.71	= 833.6 m ³	1	102 Graded crushed stone subbase	11=4.0×0.15×1+71.46=942.9m3		103 Transportation of improved	Subgrada material	$V = 833.6 \times 0.01 \times 10 \text{km} = 85$				

Remarks							•			
								:		
Unit Quantity	m² 54//	m ² /34								
Calculation Details	lol Clearing A= 5411	106 Compaction of original ground A=4.0 x 335.97 x 0.1 = 134.4	108 Gabian for wlope pratection	Jloge protection	V= Bros x 25 = 200 m3					

Quantity Calculation 8.1/0/ C/earing

Acc	Access Road Name	1	•	Membri	llo Outk	Membrillo Outlet Access Road	Road														
										æ	Earthwork			***************************************			-		-		
· .	•				Cut Volume				:	Eurhankment Volume	Volume	-						Clearing			
Station	Distance	Con	Common (C=0.90)		Weath	Weathered Rock (C=1.10)		Total	Entha	ection			_	-	Lateral					Total	Startion
	(a)	Sectional	Ground	Corrected	Sectional	Ground		Corrected Cut	٦ آ	Volume	Vary En	Ĕ,	e <	Volume	Volume	Length	Area	the gal	Are Are	Yuch Vice	
		Ver (in	Volume	Volume	Area (m2)	Volume (m3)	Volume (m3)	Volume A	Area (m2)	(#3		Volume B	(m3)	(m3)	(£m)	Œ)	(m)	Ê	(m2)	(m2)	
00000 + 0		35.6			60.4				0.0	\mathbb{H}				0				18.0		11	0 + 0.000
0 + 32.000	l· I	19.6	883	795	8.0	61.6	1.071	Ì	00	8		ō	22.5	1.872		+	3	30.0	59	Т	* COURT
0 + 50 000	18,000	0.0	9	159	0.0	-	*	1915	#0.4 0.0	1887		CXX C	15% 6-	-5.113	52		0	3	767	198	1 + 62.000)
0 + 62 000	1	95	× 3	36	0.0	2		1	00	O CO		2	220	969.7	0		3	10.8	78		1 + 72.00XF
(A) (B) + 0		0.12	06	430	5.6	280			0.0	=		=	847	4.049	0		Ð	13.5	Ŝ,) + 100,000
C + 130.083	1	9	7	17.	5	152			0.0	0		O	539	3.400	ð		a	15.2	£.		0 + (30.00x)
0 + 170,000	Ι.	14.0	408	367	12.4	338			0.0	¢		4	739	-2.770	0	+	5		388	Т	+ /0.000
O + 200,000	Н	14.8	25	Ã.	77	EII:		-	a	=	-	= =	16.0	0000		+	0	099	P-29	1	3 + 24Q (KH)
0 + 240.000	- 1	17.6	\$ 48.	7	7.00	200			000	5 6	+	5 5	07.6		=		5	12.3	425	1	3 + 220.0mm
0 + 2/0,000	1	0.0	SAR	7.	9.6	315			0.0	5		a	876	118	=		0	13.7	455	Н	() + 355 (NE)
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0 + 345 000	ı	10.0	17.1	761	16.8	242		IJ	0.0	0		0	42m	2,000	Ē		0	11.3	186	ŧ	445.031
0 + 353.968		18.8	120	116	1.2	ž			ŧo	0	+	0	205	2.315	=		7	en	Ş	1	400
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Total	353.968		5,543	4.988		4,021	4,423	9,411	-	7,206	\exists	7.206	C02.2		41,7	T	5		2,7411	1,11	

Quantity Calculation 8.1 Earthwork

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Volume	Ground Corrected Corrected
_	Area Volume Volume
(EEE	(m2) (m3)
1	604
2	676
P	0
	14.4 72
3	5.6 2.80
	4.5 1.52
	12.4 33.8
	2.4
	24.2
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	Quantity								 			121			 	2112	 		 	77			
Kona	Unit											m ³				m ³				m3.km			
Membrillo Outlet Access	Calculation Details	Pavement	Improved subgrade material		Cut section	1 = 335.97m	Embankment section	1 = 18.0 m	1/= 4 0 × 0.075 × 335.97	+ 40×(0.35+0.2)/2×18.0	$= 120.6 \mathrm{m}^3$	1		Graded crushed stone subbase	11=4 0x 015 x 353.97 = 212.38		Transportation of Improved	subgrade material	V= 120.6 × 0.01 × 10 km = 12.1				
Working Division: 8	Description	\$ \$	101											Į07			103						

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Remarks		•		.*									
Unit Quantity		77 20			nos 2								
Calculation Details	Guardrail (Bridge site only)	1=10.0mx2x2=40m	Warning vigns										
Description 8.6 Miscel	101		102					1					

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Working Division:	iyision:					
Description	Calculation Details	Unit	Quantity		Kemarks	
1.000	02) Backfill with Selected Haterial					
	3053 - 61.6 - 452.06 = 2539.34.			1		
The second secon	1 Ex 20x 1/2 x 70 = 31,5					•
	70x6Ex 1/5x70= 159.25					
	70x35x1/2x65x1/3x2ms=5308					
	Total 2191.34					¥
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Working Division:

	Colombation Datails	IInit G	Quantity	Remarks	ırks
Description		1.			
	And the state of t	-			
7.11					
HAYTH WORK					
	OI) Upen (of Excavation				
	(1.0+9.0) x 10.5 x 1/2 x 9.0 = 244.00				
	70x5,0x1/2x70= 122.50				
	\$=\ibs\{\text{2}\}	· ·			
	Dol.+				
	110 V MOX 1/5 X 70= 53900				
	14.40.1/2.18 to 1/3 x 2mc = 604 38				
1100	143 33				
				-	
	Total 1830 to wi				
	197 - W. 1 O 17 - C.		,		
	C Transport				
	11.0 x 70 x 0 4 x 2 ms = 61.6 m3				
	04) Gravel Bedding				
	- 1	-			
	9.8×7.0×0,2×2405 = 27.04 w				

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Description	Calculation Details	Chit	Quantity		Memarks		
	021 Rolf With Selected Material						
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	182-18-(14-4170h= 121692						
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	11,0x 1,0x1/2x 7,0= 38 50						
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	>1 54 (1+622) = 4085				2.4	٠	
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Linguist Control of the Control of t	t Quantity Remarks																		
Working Division:	Description Calculation Details Unit	02) Back fill	- 1271 14 - 61 6-452 0b = 157.48	0321 02002 13 = EIE 2	1	8TX () XX () X T, O =	21x60x1/2x12x1/		7.11 55 11.55 1.47	72 1122	1, -1, -1,	(FRADAY)	13 E x (11+6x2)= 256.5		Total 532,00 m3				

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	Remarks													-							•	:					
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	Quantity	 5-9-3	13/	2/0	76		6699	3 2649	277	4	60		10462	3 22/2	3 1093	·	}	س	! 1		m3 39/	m 2 0	m ² 0				
i	Unit	n3	, m	m³	m³		1,113	113	£(1)	M	m	m	Cal	m ³		W. W.	, W	m	Ä	th	74	R	W				
CONGUILLO	Calculation Details											and the state of t													Add 10 10 10 10 10 10 10 10 10 10 10 10 10		
sion: 6.2		L. L. S. S. S. S. S. S. S. S. S. S. S. S. S.																									
Working Division:	Description	1,05	/4/	277	-//	100	ץ,	107	20/	75/	107	50)	907		100	101	01)	+ ""	(112		1,1		9//	1777			

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Description	Calculation Details	,					
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Remarks	11CH AT U																
Init Onsatity	` .		m3 >852 766					m³ 11.94 St				m3 130.47e					
Division: 6. CONGUILLO ACCESS ROAD (1)	Calculation Details	3 CUIVERT AND DRAINAGE WORKS	101 Open-cut excavation oll classes	1	3 Drain Dino 1146.718	hadin		102 Backfill with selected material	1. Pipe culvery 358.61	3 Catch basin 865.92	Total 1194.53	Las Coushed stone bedding	Pro Charle				

Working Division:

	Calantetion Dataile	I Init	Quantity	Remarks
Description	Calculation Details		familian	
٦.	CULVERT AND DRAINAGE WORKS			
14	Reinferced concrete pipe, D. 600	Ø	625 : 500	
	(alvert : 2925 m, For dild, 330 m			
20/	las Reinferred concrete pipe D. 800 mm	111	400	
74/	Int Reinforced concrete pine D. 1.000 mm	ē	50 0	
167	PV.C. perforaled drain pipe. D. 200 mm	W	4778 2	
		-		
108	Free drainage malerial for subdrain	m ^c	996 733	
[4]	Lag Concrete, class E. for pipe culvest and	24	33/ 156	
	weing walled			
	<i>A</i>			
	1. Pive culissed 364.58			
	7. Box culves 1			
	3 Wing wall In wing culvered			
	d Wing wall for hox culvert			
	34.146			
	Total 337.156			
//0/	Concrete, class F. for side ditch and	123	1574 844	
	catch bater			
	2 catch haven 61.446			

Working Division:

Remarks													-			-						
Quantity		17 833				 1392 403							12910 13									
Unit		m³	· ·			m2							7 00									
Calculation Details	CULVERT AND DRAINAGE WORKS	Concrete, dos H for levelling concrete.	1. Culvert	Jak	3. Cedek basin 2:113 Total 17.833	Form work H finish for concrete of	I teme 109 and 110		 2. Wing walk 370, 408	, the	Total		Formwork, E3 finish, for concrete of	[Jens 109 and 110	1	/ Culvert	2 Wing wall 119.205	3 Catch Janes 208.461	4. Drain ditch 12582.464	Total	The state of the s	
Description	7)	77				1/1		-					/β									

	מומומו		2			
Description	Calculation Details					
CONCRETE	CONCRETE WORKS					
Los Cancrete class	class E for box culverts	544	36/0			
-	11.1	£ "	32.0			
104 CONCrete	class H for leveling controls					
106 Fornwork	FI finish In concrete item to s lad	w .	\$50 00			
10g Form work	F3 finish for conserley flow 103	3.5	643 /2			
1,9 Rendacing	is hard la consiste works	Ten	32			
1		3.	do			
110 Jam +	tiller for curavat					
1/2 Bituminan	on conting for contraction joint	m	0			
					29	-
					·	
				-	•	
		1				
		_				

									8600	33 max 10	* 330 m									
	Soil Thickness	E	#VALUE!	1.300	2.900	2.900	0.900	4.900	5.300	12.900	4.900	5.200	1.700	4.900	4.945	10.224	1.928	8.759	6.064	9 T.
	Туре		Over 2.5x2.0 (1)	20.000 D=600mm A	15.000 D=600mm A	16.000 D=600mm A	10.000 D=600mm A	14.000 D=600mm B	28.000 D=600mm C	50.000 D=600mm c	25.000 D=600mm ß	20.000 D=800mm c	15.000 D=800mm A	26.000 D=600mm ß	25.000 D=600mm B	50.000 D=1000mm c	22.000 D=600mm A	15.000 D=600mm c	26.500 D=600mm c	A 0000
	Culvert Length	E	20.000 Over	20.000	15.000	16.000	10.000		28.000	50.000	25.000	20.000								
	Road El	E	131.000	254.400	394.000	394.000	415.000	430.000	429.400	440.000	307.000	205.000	212.000	172.000	159.795	123.724	114.528	120.359	89.664	
	Exit El	E	126.500	250.200	388.000	388.000	413.000	424.000	419.000	420.000	298.000	198.000	209.000	164.000	152.500	110.000	110.500	107.000	81.000	
	Entrance El	E	129.200	254.800	393.000	393.000	414.000	425.000	428.000	433.000	305.000	200.000	210.000	169.000	156.000	115.000	113.500	115.000	85.000	
	Ι		13.5%	23.0%	33.3%	31.3%	10.0%	7.1%	32.1%	26.0%	28.0%	10.0%	6.7%	19.2%	14.0%	10.0%	13.6%	53.3%	15.1%	
	8	m3/s	90.79	1.11	44.0	0.11	0.33	0.67	19.0	0.89	1.56	3.22	2.55		0.11	4.44	1.33	2.22	1.00	
CONGUILLO (II)	St No.		0+522.00	1+980.00	3+784.00	3+852.00	4+070.00	4+334.00	4+400.00	4+904.00	6+712.00	7+768.00	7+930.00	8+610.00	9+062.00	9+647.00	9+947.00	10+093.00	10+813.00	
CONG	Dr. No		<u>-</u>	D-2	D-3	77	0-5	9	D-7	× C	0-0	91-6	1-0	D-12	D-13	D-14	D-15	D-16	D-17	

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Length Phys Lags Open Cut Excavation Backfill Cumbed Stone Bedding Phys D=600 Phys		D					· .			•					:				
Length Piye Langth Piye	. Conguillo (I)								•			•				÷			
Omm 90 413.0 C62.5 0.83 342.27 O.43 1.77.85 0.14 5.88 1.00 Unit (m)<			Lenoth	Pine Lenoth	Open Cut Ex		Backfili		mshed Stone		Pipe D=600	Pipe D=800	Pipe D=1000	Concrete Cla		Form Work		Reinforced	Bar
Omm 90 413.0 622.5 0.83 342.27 O.041 D.11 (m3) Total Unit (m3) Total Unit (m3) Total Unit (m3) Total Unit (m3) Total Unit (m3) Total Unit (m3) Total Unit (m3) Total Unit (m3) Total Unit (m3) Total Unit (m3) Total Unit (m3) Total Unit (m3) Total Unit (m3) Total Unit (m3) Total Unit (m3) Total Unit (m3) Unit (m3) Total Unit (m3) Unit (m3) Total Unit (m3) Unit (m3) Total Unit (m3) Unit (m3) Total Unit (m3) Uni			4		(123/01)		(12.3/02)		12.3 /03)		(12.3/04)	(12.3/05)	(12.3/06)	(12.3/09)		(12.3/12)		(12.3/14)	
Omm 90 413.0 622.5 0.83 342.27 0.43 177.85 0.14 58.85 0.16 64.53 0.52 214.76 0.00 Omm 180 90.0 1.09 1.29.66 0.45 37.41 0.17 14.85 0.26 23.18 1.00 90.00 0.00 Omm 90 1.50 1.29.66 0.45 34.41 0.17 2.59 0.26 23.18 1.00 90.00 0.00 Omm 90 1.50 1.29.66 0.45 54.07 0.21 0.00 0.26 2.59 0.26 2.38 0.60 0.00			1 Init(m)	Unit(m)	Unit (m3)	Г	Unit (m3)		Unit (m3)	1		Unit (m)		Unit (m3)		Unit (m2)	Total	Unit (kg)	Total
Hzi 90.0 90.0 0.93 83.36 0.42 37.41 0.17 14.85 9.68 0.26 23.18 1.00 90.00 0.00 Fix 119.5 40.0 1.29.66 0.45 54.07 0.24 28.68 28.68 0.05 73.52 2.00 239.00 42.98 Ohum 90 15.0 0.26 0.07 0.24 28.68 0.07 0.24 28.68 0.07 0.24 28.68 0.07 0.24 28.68 0.07 0.24 28.68 0.07 0.24 28.68 0.07 0.24 28.68 0.07 0.24 28.68 0.07 0.24 28.68 0.00 0.24 0.00 0.00 0.21 0.00 0.26 0.00 0.26 0.00 0.26 0.00 0.28 0.00 0.28 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 </td <td>mm009=0</td> <td>8</td> <td></td> <td></td> <td>0.83</td> <td>342.27</td> <td>0.43</td> <td>100</td> <td>0.14</td> <td>58.85</td> <td></td> <td></td> <td></td> <td>0.16</td> <td>64.55</td> <td>0.52</td> <td>214.76</td> <td>0.00</td> <td>0.00</td>	mm009=0	8			0.83	342.27	0.43	100	0.14	58.85				0.16	64.55	0.52	214.76	0.00	0.00
Pix 119.5 40.0 129.66 0.45 54.07 0.24 28.68 6 6 23.900 42.98 42.98 6 6 239.00 42.98 42.98 6		180			0.93			37.41	0.17	14.85				0.26	23.18	8	90.00	0.0	
Onmm 90 15.0 40.0 1.28 0.17 2.59 9 0.26 3.88 0.68 10.20 0.00 Omm 180 0.0 1.48 0.00 0.56 0.00 0.21 0.00 0.46 0.00 1.11 27.84 2.68 67.00 0.00 Omm 90 0.0 50.0 1.50 0.00 0.72 0.00 0.23 0.00 0.05 0.00		, E			1:09			54.07	0.24	28.68				0.62	73.52	2.00	239.00	42.98	5,1
Fix 25.0 0.00 1.34 0.00 0.56 0.00 0.21 0.00 0.21 0.00 0.46 0.00 1.34 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0)8(f)	8				1		8.67	0.17	2.59				0.26	3.88	89.0	10.20	0.00	
Fix 25.0 1.72 42.96 0.60 15.11 0.31 7.70 7.70 7.73 7.70 7.73 7.70 7.73 7.70 7.70 7.73 7.70 7.70 7.73 7.70 7.70 7.73 7.70 7.70 7.73 7.70 7.70 7.73 7.70 <t< td=""><td></td><td>186</td><td></td><td></td><td></td><td></td><td></td><td>0.00</td><td>0.21</td><td>0.00</td><td></td><td></td><td>-</td><td>0.46</td><td>0.00</td><td>1.34</td><td>0.00</td><td>0.00</td><td>0.00</td></t<>		186						0.00	0.21	0.00			-	0.46	0.00	1.34	0.00	0.00	0.00
Others 90 0.0 50.0 1.50 0.00 0.73 0.00 0.28 0.00 0.00 0.00 0.76 0.00 0.76 0.00 0.76 0.00 0.70 0.00		i ii			1.72			15.11	0.31	7.70	,			1.11	27.84	2.68	67.00	73.53	1,838.25
180 0.0 2.12 0.00 0.72 0.00 0.33 0.00 0)=1000mm	8						0.00	0.28	0.00				0.35	0.00	0.76	0.00	0.00	
Fix 50.0 2.22 111.23 0.71 35.51 0.36 17.80 40.00 50.00 1.43 71.62 3.16 158.00 84.55 712.5 712.5 728.67 328.61 130.47 622.50 40.00 50.00 264.58 778.96		180						00:0	0.33	0.00				09:0	0.00	1.58	0.00	0.00	0.00
712.5 728.67 328.61 130.47 622.50 40.00 50.00 264.58 778.96		, F			2.22	=		35.51	0.36	17.80				1.43	71.62	3.16	158.00	84.55	4,227.30
	Total					728.67		328.61		130.47	622.50				264.58		778.96		11.2
																	·		-
			Length	Open Cut E	1	Backfill		Concrete C	lass E	Concrete C	lass H	Form Wor		Form Work	33	Reinforced	Barr		
Onen Cut Excavation Backiili				(12.2/07)		(12.2/06)		(Item12.4/(13)	(Item12.4/	<u>ફ</u>	(Item12.4/		(Item12.4/0	8)	(12.4/09)			
Excavation Backfill Concrete Class E Concrete Class H Form Work F1 Form Work F3 (12.2/06) (Item12.4/03) (Item12.4/04) (Item12.4/08)			11:	11; (m) 11; (m.3)	Total	Thail (m3)	Total	(Fun) tim(1)	Total	IInit (m3)	Total	Thir (m2)	Total	Unit (m2)	Total	Unit (kg)	Total		

	180	0.0		2.12	0.0	0.72	0.00	0.33	0.00				09:0	30.0	1.38	9.0	3	3
	Ä	4		2.22	111.23	0.71	35.51	0.36	17.80	-			1 43	71.62	3.16	158.00	84.55	4,227.30
Total	1				728.67		328.61		130.47	622.50	40.00	20.00		264.58		778.96		11,202.14
Loran																		
												-						
		Г	The Contract of the Contract o		Beckfill		Concrete Class E		Concrete Class H		Form Work F1		Form Work F3		Reinforced Bar	Bar		
		m guera	CDC 1 C 41 E		(12.2/06)		(Item12.4/03)		(Item12.4/04)		(Item12.4/06)		(Item12.4/08)		(12.4/09)			
		Unit (m)		Total	Unit (m3)	Total	Unit (m3)	Total	Unit (m3)	Total	Unit (m2)	Total	Unit (m2)	Total	Unit (kg)	Total		
1200mm x 1200mm	~9.25			0.00	0.77	0.00	1.63	0.00	0.19	0.00	3.60	00:00	3.70	0.00	162.91	0.00		
1500mm x 1500mm	~9.5			0.00		0.0	2.31	0.00	0.22	000	4.30	0.00	4.45	0.00	193.31	0.00		
2000mm x 2000mm	-5.75			0.00		0.00	2.94	0.00	0.27	00.0	5.30	0.00	5.95	0.00	232.36	0.00		÷
2000mm x 2000mm	7.75			0.00		0.00	3.20	0.00	0.27	0.00	5.50	0.00	5.95	0.00	236.02	0.00		
2000mm x 2000mm	7.751-			0.00		0.00	3.74	0.00	0.28	0.00	5.70	0.00	5.93	0.00	270.47	0.00		
2500mm x 2000mm	3,75-5.75	Ξ		592.50	1.31	130.75	3.61	05-265	0.32	32.00	5.50	550.00	6.43	643.12	317.29	31,728.80		
2500mm x 2000mm	5.751~			0.00	1.37	0.00	4.20	0.00	0.32	0.00	5.70	0.00	6.43	0.00	331.62	0.00		
Total		100.0		592.50		130.75		592.50		32.00		550.00		643.12		31,728.80		
la Cart			1					36/0										
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				٠							-				-			

1994/12/166:45 PMcongillo ditch

	1 - 0	Diedak
Distance (m)	Left	Right
0.000 ~ 140.000	0.000	140.000
140.000 ~ 175.720	35.720	35.720
175.720 ~ 220.000	0.000	44.280
220.000 ~ 271.330	51.330	51.330
271.330 ~ 361.460	0.000	90.130
361.460 ~ 418.480	57.020	0.000
426.000 ~ 506.780	0.000	80.780
506.780 ~ 600.780	94.000	94.000
600.780 ~ 660.780	60.000	0.000
660.780 ~ 780.000	119.220	119.220
780.000 ~ 907.970	127.970	0.000
1,010.420 ~ 1,042.410	31.990	31.990
1,042.410 ~ 1,080.000	37.590	0.000
1,080.000 ~ 1,098.870	18.870	18.870
1,098.870 ~ 1,300.000	201.130	0.000
1,587.560 ~ 1,664.640	77.080	0.000
1,664.640 ~ 1,700.000	35.360	35.360
1,700.000 ~ 1,800.000	100.000	0.000
1,800.000 ~ 1,860.000	60.000	60.000
1,860.000 ~ 1,880.000	20.000	0.000
1,880.000 ~ 1,898.120	18.120	18.120
1,898.120 ~ 1,990.340	92.220	0.000
	1,237.620	819.800

1994/12/166:43 PMcongillo ditch

Distance (m)		Left		Right	
50 ~	300		250		250
500 ~	550		50		50
600 ~	650		50	•	50
650 ~	700		50		0
700 ~	750		50	,	50
750 ~	800	-	50		0
800 ~	850		50	•	50
850 ~	1,100	•	250		0
1,100 ~	1,750		150		150
	•		50		0
1,250 ~	1,300		300		300
1,300 ~	1,600				
1,600 ~	1,800	•	200		0
1,800 ~	2,000		200		200
2,050 ~	2,100		0		50
2,250 ~	2,300		0		50
2,300 ~	2,350		50	*!	50
2,350 ~	2,550	· .	0	•	200
2,600 ~	2,650	**	0		50
2,650 ~	2,750	i i	100		100
2,750 ~	2,850		100	*	0
2,850 ~	2,950		100		100
2,950 ~	3,000		50		0
3,000 ~	3,050		50		50
3,050 ~	3,150		100		0
3,150 ~	3,500		350		350
3,500 ~	3,550	e.	0		50
3,550 ~	3,700		150		150
3,700 ~	3,750		50		0
3,750 ~	3,850		100		100
3,850 ~	3,950		100		100
4,150 ~	4,400		250		250
4,450 ~	4,500		50		50
4,500 ~	4,550		50		0
4,550 ~	4,650		100		100
4,650 ~	4,700		50		0
5,000 ~	5,050		50		50
5,050 ~	5,100	•	0		50
5,100 ~	5,150		50		0
5,250 ~	5,400		0		150
5,400 ~	5,500	•	100		100
5,500 ~	5,550		0		50
5,550 ~	5,600		50		50
5,600 ~	5,700	*	: 0		100
5,700 ~	5,800		100		0
5,700 ~ 5,800 ~	5,900		0		100
2,000 ~	J, J UU			•	100

1994/12/166:43 PMcongillo ditch

5,900 ~	5,950	50	0
5,950 ~	6,000	50	0
6,050 ~	6,100	0	50
6,100 ~	6,150	50	0
6,150 ~	6,300	0	150
6,300 ~	6,400	100	100
6,450 ~	6,650	200	0
6,750 ~	6,800	50	0
6,850 ~	6,900	0	50
6,900 ~	7,050	150	150
7,150 ~	7,200	0	50
7,200 ~	7,300	100	100
7,300 ~	7,350	0	50
7,450 ~	7,500	50	50
7,500 ~	7,750	0	250
7,850 ~	7,900	0	50
7,950 ~	8,000	50	50
8,000 ~	8,100	100	100
8,100 ~	8,150	ne di di di di di di di di di di di di di	50
8,150 ~	8,200	0	50
8,250 ~	8,400	150	150
8,400 ~	8,600	0	200
8,650 ~	8,700	and the O straight of	50
8,700 ~	8,750	50	. 0
8,750 ~	8,950	0	200

Total	5000	5450
	1,237.620	819.800
	6237.62	6269.8

12507.42

Drain Pipe Quantities

A coord Day and							
Access Road Name	Length (m)	Excavat	Excavation (m3)	P.V.C Pipe I	P.V.C Pipe D=200mm (m) Drainage Material (m3)	Drainage Mai	Periol (m3)
		Per meter	Total		Total	Dor moto-	Trees (mil)
Conguillo (I)	4,778,200	0.240	1 146 769		The Carry	r en meter	LOTAL
Cononillo (II)	6.000 100		•		4,778.200	0.209	996.733
Company (11)	2,823.120	0.240	1,397.549		5.823.120	0.200	1 214 703
Severno Tramo1	1,535.870	0.240	368.609	· ·	1 535 870	0000	200.000
Severno Tramo2	2,472.920	0.240	593 501		2,422,020	0.209	320.382
Los Cuyuves	7 324 030	0,000			076.7/4,7	0.209	515.851
	000-1766	0.240	1,77./6/	-	7,324.030	0.209	1.527.793
roza Honda	266.710	0.240	64.010		266710	0000	26.73
La Seca	2,035.376	0.240	488 490		2026.220	6000	33.030
El Guasmo	786.460	0.240	188 750		2,033.370	0.209	424.579
Cana Dulce	1 200 550	0 0	166.750		/86.460	0.206	164.056
	1,200.300	0.240	288.134		1,200.560	0.209	250 437
Membrillo Outlet	30.000	0.240	7.200		30 000	0000	
Grand Total			5 154 011		200.00	607.0	0.238
			1,104.01,0		21,475.046		4.479.695

Excavation V=(0.8+0.4)*0.4/2 =0.24 Free Drainage Material V=0.24-3.14*0.1^2 =0.21

Remarks	200 750 200				88 A	<u></u>	X X	X		TYPE-A SCALE B		0:	5	, S	2	(300)	80 ps 20 ps	SECCION A-A	SECTION A-A		
Quantity				co s	C	977.32	. 1				-										
Unit	-					24									:						
Calculation Details	Open - cut excavation, all classes (Catch Busins)	225x24m=3,4m2	. 4		(3.4 + 20.735) × /2 × 2.35 = 27 616 m	23.616 x 33, v=v = 977.328															
Description	.3 /2/			en american sent e volument e man une can can can con american																	

	·												•							
Remarks														*.						
					*.						·	 (-		 †	1		·		1
Quantity			 			865 920				 										
Unit			1.25×1.4×0.05	# 26.240		m³														
lation Details	l i		1.3x 2,2-			26 598 =										-				
Calculation	Backfill with selected	< (atol basis)	29.616 - 1.15x			26.240 x 33 mg					The state of the s									
Description																	.,,,			

			SI T		30 b:		9	D 450 650 D 500 700 D 600 800			- - -	7		(- -	 0.50		
	Remarks	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		7 000	[1150 tb. 150]	1, e		***		4			(E) (Q) (C)	49/	k2	T 150 100 100 100 100 100	Outlet	
	it Quantity				1= 40 max									74				
Working Division:	ion Calculation Details Unit	Concrete days	(wing wall)	(pipe 1ype)	1, \$ 600 (h)= 650 mm b= 800 mm) L= 1.65 M=	6 0,1 x 0, 95 x 0,15 m = 0,157 m3 6 0,975 x 0,65 x 0,15 x /3 x 2 = 0.025 m3	1	(5 m3	(a) 105 x 0.7 x 1/2 x 0.15 x 2 x 0.110 m3		0,4 <u>(, m ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ </u>	1.237 m3	1,337 x 13 = 16.081	33 = 25.4/				
Workii	Description	3 /																

Division: Calculation Details 1. 660 h. 6866 h. 1. 639 m. 1. 660 h. 6866 h. 1. 639 m. 1. 660 h. 6866 h. 1. 639 m. 1. 660 h. 6866 h. 1. 639 m. 1. 660 h. 6866 h. 1. 639 m. 1. 660 h. 6866 h. 1. 698 m. 1. 6866 h. 1. 686 h. 1. 6866 h. 1. 686 h. 1. 6866 h. 1. 686 h. 1. 6866 h. 1. 686 h. 1. 6866 h.				05(-	+	051		6.	D 450 650		000 001 a	_		•		K	++			100
wision: Calculation Details 5. \$ \$00.	6	Кешаг	ب ا ان				300	ក់.	Γ_{I}		211111111111111111111111111111111111111	**************************************			-		¥ L				150 150	
(a) (a) (b) (a) (b) (a) (b) (a) (b) (a) (b) (a) (b) (a) (b) (a) (b) (a) (b) (a) (b) (a) (b) (a) (b) (a) (b) (b) (a) (b) (b) (a) (b) (b) (b) (b) (b) (b) (b) (b) (b) (b		- 1													4		-					717
ption ption		Details	2. \$ 800. h = 0.866m L = 1.299 m	A. 2 (1) (1) (1) (1)	13x 1.166 x 0.15 = 0.33 7 m3	0866x 1299x /2 x 0.15x 2 = 0.167 m	1.3 × 1.527 × 6.5 = 6.533	13 x 1332 x 0,15 =	0937x 1398 x 1/3 x015x 2 = 0.195 m	13x 1398 x 62 = 0.363		1. 0.3× 0.6 × 1.3×2 = 0.968]	2 -							

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Unit Quantity	2				80 656 7				
Calculation Details	3. Ø 1.000 wing will h, = 1.082 m 1/= 1.623 m b= 1.2 m h>= 1.164 m Ls= 1.746 m H = 0.8 m	(D: 1,5 x 1,382 x 0,15 = 0.31/ m³ (D: 1,082 x 1,623 x 1/3 x 0,15 x 2 = 0.263 m³ (D: 1,5 x 1,623 x 0,2 = 0.48/ m³	10: 15x 1,969 x 0,15 = 0,30 f m3 10: 1,69 x 1,796 x 1/5 x 0,15 x 2 = 0,30 5 m3 10: 5x 1,796 x 0,2 = 0,524 m3	~ W	2.939 x 1= 2.939				
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Remarks	W 2 000 000	TIPO-A ESCALA B TYPE-A SCALE B		009	SECCION	SECTION A-A	
Unit Quantity	005 006 003 1947 19						
Calculation Details Let, clare F for soile oitch and land	(calch bark) par 1 no 115x 130 x 2.2 - 0.75 x 0.9 x 20 - 1,939 m ³ . 1939 - 0.35 n x 0.2 = 1,862 m ³ 1862 x 33 = 41 446						
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05(150	9	0.000		130
Quantity Remarks	7 684 In let		4 001	- Kr	1150 42. 150 11 100 100 100 100 100
Unit	700		78		8
Division: Calculation Details Concrete class H for Levelling concrete 1 & 600 pipe (was rall)	11 x 1.25 x 0.1 = 0.124 m ³ 11 x 1.20 x 0.1 - 0.132 m ³ 11 x 1.30 x 0.1 - 0.132 m ³ 0.356 x 134 0.132 x 33 = 7.884	2. \$ 500 pipe 1.3 x 1.449 x 0.1 = 0.169 m ³ 1.3 x 1.598 x 0.1 = 0.20/ m ³ 0.390 m ³	0.390x J=0.78	3. p. 1.000 p.pe.: 1.5 x 1.896 x 0.1 = 0.364 m ³ 1.5 x 1.896 x 0.1 = 0.364 m ³	= / x 25.0
Working Division: Description 3 /// Conc.					