DESAGÜE PLUVIAL CUENCA MOLAS LÓPEZ

PLANILLA DE COMPUTO METRICO Y PRESUPUESTO ESTIMATIVO

CUENCA AVDA. MOLAS LÓPEZ

ITEM	RUBRO - DESCRIPCIÓN	UN	COVPA S.A		PROEL INGENIERIA		CONCRET MIX S.A.		TECSUL S.A.E		COMPAÑÍA DE CONSTRUCCIONES CIVILES S.A.		CONSORCIO OyB		OCHO A S.A.		TECNODEIL S.A.		CONSORCIO PLUVIAL MOLAS LÓPEZ		SOCIDAD CONSTRUCTORA CHACO		TOCSA S.A.		CONSORCIO PC		CONSORCIO CONTECO		EDB CONSTRUCCIONES		CONSORCIO CUENCA		CHAVES CONSTRUCCIONES	
			PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL
1	**TRAMO -AVDA. MOLAS LÓPEZ (Desde Calle Ing. Roque Zaldívar hasta Avda. San Martín)**																																	
1.1	Excavación	m3	2.933	18.704	54.858,93	21,208	62.179,64	24,444	71.669,63	27,867	81.671,55	27,827	80.796,901	28,875	84.691,575	28,734	84.273,653	34,145	100.130,118	33,115	97.103,775	34,498	101.152,779	19,600	57.486,800	30,723	90.085,183	34,803	102.075,000	27,704	81.252,183	34,803	102.075,000	34,803	102.075,000
1.2	Enrbado	m3	562	18,704	10.514,56	21,208	11.921,09	27,444	15.427,13	27,867	15.673,56	27,827	15.647,09	28,875	16.232,25	28,734	16.155,563	34,145	19.195,265	33,115	18.615,630	34,498	19.396,076	19,600	11.020,200	30,723	17.271,614	34,803	19.564,926	27,704	15.577,248	34,803	19.564,926	34,803	19.564,926
1.3	**Relleno y compactación**																																	
1.3.1	Asiento de alcantarilla Fck=150 [VER LÁMINA ML-ST-001]	m3	142	882,116	125.260,472	940,322	133.579,684	1.009,568	143.358,973	824,545	117.085,390	838,703	119.095,542	1.004,450	142.688,700	904,827	128.580,434	984,741	139.903,222	935,368	132.872,256	830,629	89.549,294	1.398,698	198.615,116	1.045,200	148.418,400	978,367	138.928,114	1.002,003	142.284,454	864,989	122.828,438	418,984	59.511,728
1.3.2	Base compactado con rechazo de cantera e=0,30 m	m3	431	181,718	78.320,458	208,324	89.787,644	161,253	69.500,043	80,578	34.729,118	79,573	34.295,532	123,585	53.261,135	107,818	46.469,558	197,562	85.149,222	132,461	57.090,691	130,220	56.124,747	184,119	83.665,289	130,800	56.374,800	131,222	56.556,682	181,314	78.146,377	126,583	54.557,273	281,575	121.358,825
1.3.3	Relleno compactado con rechazo de cantera	m3	461	119,108	55.141,777	137,209	63.527,329	106,208	49.157,363	79,573	36.682,692	123,585	56.972,685	107,818	49.703,637	197,562	91.076,082	147,998	68.213,248	130,220	60.031,242	306,793	141.470,573	141,120	65.067,120	131,824	60.780,464	131,214	60.501,471	124,606	57.443,366	281,575	129.806,075
1.3.4	Retiro de material excedente y limpieza final	m3	3.349	33,021	110.587,329	20,805	69.675,945	47,480	158.975,960	31,188	104.441,914	41,580	139.251,420	25,036	84.004,546	43,437	145.470,513	41,108	137.670,525	34,079	114.130,571	42,980	143.977,420	38,539	129.067,511	50,399	168.785,246	42,220	141.394,780	25,292	84.702,908	25,292	84.702,908
1.4	**Desagüe Pluvial**																																	
1.4.1	Alcantarilla cajón simple - 4,0 ancho x 1,0 alto -	ml	385	3.555,668	1.368.932,180	2.771,717	1.067.111,045	3.250,855	1.251.579,175	2.601,708	1.001.658,810	2.689,007	1.035,267,695	3.992,861	1.502.601,485	4.649,418	1.790,025,930	3.403,824	1.310.472,240	3.741,635	1.440.529,475	4.094,839	1.576.509,234	3.454,473	1.329.972,105	3.236,100	1.246.898,500	2.893,618	1.114.042,930	3.737,208	1.438.825,157	4.034,402	1.553.244,770
1.4.2	Boinetro eluvial TV	un	5	20.293,546	101.467,730	19.354,857	97.271,785	18.623,424	93.117,120	22.526,428	112.632,130	22.444,370	112.221,850	21.724,239	108.621,195	25.250,117	126.251,585	18.487,597	92.437,985	12.665,043	63.325,215	26.868,487	134.242,337	41.195,737	205.978,685	64.235,388	321.176,940	18.239,389	91.196,945	19.370,342	96.851,710	19.370,342	96.851,710
1.4.3	Sumideros de 2 boca - SM1	un	18	9.970,074	179.461,332	5.587,321	100.571,778	10.626,016	191.268,180	12.696,210	228.531,780	12.537,659	225.677,862	5.370,346	96.666,228	10.445,345	188.027,010	13.874,839	249.747,502	15.098,718	271.776,924	9.605,613	172.901,042	11.919,966	214.559,388	8.466,000	116.388,000	2.889,116	53.804,124	14.575,591	282.360,633	8.109,014	145.962,252
1.4.4	Sumideros de 3 boca - SM3	un	2	12.191,195	24.382,392	12.262,782	24.525,564	16.509,029	33.018,058	15.397,508	30.795,016	12.204,246	24.408,492	20.399,479	40.798,958	7.039,455	14.078,910	13.441,121	26.882,242	21.587,642	43.175,284	13.554,012	27.108,020	16.909,604	33.811,212	16.932,200	33.864,400	14.426,408	28.852,816	19.434,388	38.868,776	21.458,966	42.917,932
1.4.5	Tubería de Hº de Ø 600 mm	ml	70	656,497	45.954,790	585,599	40.991,930	472,634	33.084,380	478,312	33.481,840	472,372	33.066,040	711,480	49.803,600	564,658	39.525,920	440,991	30.869,370	368,573	25.800,110	897,685	62.837,930	595,814	41.006,980	431,800	30.226,000	1.015,767	71.103,690	505,475	35.383,271	719,619	50.373,330	652,974	45.708,180
1.4.7	Tubería de Hº de Ø 800 mm	ml	80	898,224	71.857,920	61,058	48.804,480	730,242	58.422,560	840,830	67.266,400	830,143	66.427,440	1.144,805	91.568,400	861,488	68.919,040	673,798	53.903,840	584,994	46.799,520	1.238,691	99.095,256	912,228	72.978,240	881,700	54.536,000	1.276,747	102.139,760	793,778	63.502,208	1.000,814	80.065,120	1.100,791	88.063,280
1.5	**Reubicación del desagüe cloacal**																																	
1.5.1	Remoción y reposición de veredas con contrapiso	m2	210	109,861	23.070,810	119,275	25.047,750	179,835	37.777,950	197,618	41.373,780	195,877	41.134,170	105,377	22.129,170	136,736	28.714,560	139,721	29.341,410	146,891	30.847,110	99,379	20.869,512	539,250	113.242,500	144,300	30.303,000	105,745	22.206,450	182,520	38.329,137	109,299	22.952,790	129,680	27.228,600
1.5.2	Excavación	m3	315	18,704	5.891,760	32,008	10.082,520	25,848	8.140,860	27,867	8.777,555	27,547	8.677,305	28,875	9.095,625	29,243	9.211,545	24,146	7.605,990	27,608	8.695,520	32,175	10.135,125	149,694	47.153,610	19,600	6.174,000	20,723	6.527,745	27,294	8.597,706	75,063	23.641,065	14,854	4.679,010
1.5.3	Tubería de PEAD de Ø 150 mm	ml	6	88,208	528,248,000	61,355	367,530,000	111,161	665,970,000	105,528	632,208,000	99,218	594,500,000	105,078	629,500,000	89,491	536,000,000	78,900	472,800,000	92,213	552,000,000	71,574	428,800,000	92,214	552,000,000	108,000	648,000,000	114,760	687,600,000	114,760	687,600,000	53,339	320,000,000	32,226	193,000,000
1.5.4	Mamas domiciliarias PVC Ø 100 mm	ml	350	80,787	28.275,450	171,499	60.024,300	124,516	43.580,600	131,346	45.971,100	131,339	45.969,150	80,152	28.053,200	43,922	15.372,700	96,067	33.623,450	137,898	48.264,300	128,448	45.096,188	135,449	47.407,150	37,600	13.160,000	33,792	11.827,200	140,314	49.109,830	68,319	23.911,650	43,593	15.255,350
1.5.5	Asiento de zanja para colectores	m3	21	78,384	1.646,064	171,151	3.594,171	103,887	2.181,627	118,851	2.495,871	117,380	2.464,560	107,415	2.255,715	177,849	3.734,745	365,846	7.682,766	94,028	1.974,588	98,865	2.076,165	407,875	8.565,375	74,800	1.570,800	116,618	2.448,978	107,903	2.265,971	77,641	1.630,461	71,757	1.506,897
1.5.6	Relleno y compactación de zanjas (en vereda)	m3	315	36,381	11.460,015	40,450	12.741,750	50,412	15.879,780	33,682	10.609,830	33,264	10.478,160	45,045	14.189,175	40,408	12.727,890	49,857	15.641,955	122,094	38.459,610	18,688	5.067,563	285,805	90.028,575	47,200	14.868,000	58,037	18.281,655	57,589	18.140,661	44,707	14.082,705	52,885	16.652,475
1.5.7	Construcción de Registros Cloacal con tapa triangular de HFº SEGUN PLANOS	un	6	6.932,958	41.597,754	4.080,962	24.485,412	6.496,780	38.980,680	9.806,378	58.832,268	9.822,622	58.935,732	9.202,683	55.216,098	4.574,051	27.444,306	9.538,100	57.228,600	5.793,675	34.762,050	8.522,810	51.136,860	19.682,280	118.093,680	9.523,900	57.143,400	13.625,872	81.755,232	7.963,825	47.782,951	6.004,747	36.028,482
1.5.8	Prueba hidráulica en tuberías	ml	1.350	5,426	7.326,765	4,987	6.733,705	7,943	10.723,853	8,147	10.998,450	7,943	10.723,853	5,195	10.013,850	5,195	6.993,955	7,943	6.426,300	5,195	10.976,700	7,943	7.918,626	8,915	11.985,075	7,910	11.385,000	15,404	21.158,500	7,910	11.005,335	7,910	11.385,000	13,146	18.238,150
1.6	**Reubicación de la red de agua corriente**																																	
1.6.1	Remoción de pavimento asfáltico	m2	325	17,747	5.767,775	24,629	8.004,425	35,622	11.577,120	23,240	7.553,000	22,947	7.457,775	23,100	7.507,500	14,598	4.744,350	24,835	8.071,375	23,985	7.795,125	38,709	12.580,571	275,801	89.635,325	12,700	4.127,500	28,132	9.142,900	29,655	9.637,643	28,437	9.242,025	28,995	8.773,375
1.6.2	Remoción y reposición de empedrado	m2	650	40,795	26.516,750	39,502	25.676,300	59,906	38.938,900	53,163	34.555,950	52,509	34.130,850	56,797	36.918,050	59,886	38.912,900	93,343	60.674,250	74,783	48.608,950	68,597	44.588,115	277,470	180.355,500	91,800	59.670,000	41,225	26.796,250	62,919	40.897,285	46,481	30.212,650	60,975	39.633,750
1.6.3	Excavación	m3	200	18,704	4.853,040	32,008	8.322,080	25,848	6.719,480	27,867	7.253,220	27,547	7.162,220	28,875	7.507,500	29,243	7.603,960	24,146	6.277,960	27,608	7.178,080	32,175	8.365,500	149,694	38.920,440	19,600	5.096,000	20,723	5.387,980	27,294	7.096,518	26,802	6.968,520	14,854	3.862,040
1.6.4	Remoción y reposición de veredas con contrapiso	m2	350	109,861	38.451,350	119,275	41.746,250	179,835	62.943,250	197,618	68.956,300	195,877	68.556,950	105,377	36.881,950	136,736	47.857,600	139,721	48.902,350	146,891	49.519,750	99,379	34.782,515	539,250	188.737,500	144,300	50.505,000	105,745	37.010,750	182,520	63.881,895	109,299	38.254,650	129,680	45.381,000
1.6.5	Asiento y relleno de material arenoso	m3	32	81,452	2.617,864	64,797	2.071,584	103,887	3.324,384	65,184	2.085,888	64,368	2.059,776	75,537	2.417,184	77,842	2.490,944	86,578	2.770,528	74,464	2.382,848	98,865	3.163,680	543,833	17.402,656	220,000	7.040,400	72,942	2.334,144	95,730	3.063,350	77,641	2.484,512	71,757	2.296,224
1.6.6	En PEAD de diámetro 2" incluido accesorios	ml	50	33,624	1.896,060	63,369	3.663,450	40,056	2.000,000	37,147	1.857,350	36,698	1.834,900	36,165	1.759,650	33,178	1.608,900	67,017	3.351,850	45,766	2.288,300	33,175	1.658,750	54,793	2.739,650	37,000	1.850,000	43,362	2.562,850	43,362	2.562,850	43,362	2.562,850	43,362	2.562,850
1.6.7	En PVC de diámetro 100 mm incluido accesorios	ml	250	103,628	25.907,000	90,861	24.263,750	90,205	22.551,250	47,265	11.816,250	46,638	11.659,500	51,277	12.819,250	85,236	21.309,000	58,412	14.603,000	71,851	17.963,000	86,466	21.616,450	67,224	16.931,000	37,600	9.400,000	33,792	8.448,000	88,058	22.001,925	78,356	19.589,000	78,241	19.810,250
1.6.8	En PEAD de diámetro 3/4" (tamaño) incluido accesorios	ml	50	10,970	548,500	23,892	1.194,600	18,523	926,150	17,750	887,500	17,537	876,850	18,076	903,500	13,472	673,600	36,158	1.807,950	21,603	1.080,150	46,482	2.323,050	100,143	5.007,150	28,900	1.445,000	26,439	1.321,950	23,466	1.173,315	40,885	2.042,750	13,898	692,950
1.6.9	En PEAD de diámetro 1" (tamaño) incluido accesorios	ml	300	16,581	4.968,300	27,234	8.170,200	21,742	6.522,600	29,296	8.788,800	28,949	8.682,000	27,278	8.182,800	19,576	5.872,800	36,159	10.847,700	23,478	7.043,400	48,391	14.517,360	162,375	48.712,500	28,900	8.670,000	31,753	9.525,900	24,995	7.498,590	51,044	15.313,200	18,088	4.826,400
1.6.10	Válvula 50 mm	un	2	682,145	1.684,892	811,231	1.422,742	237,906	475,018	388,251	1.971,480	373,605	1.947,210	383,151	1.922,302	80,898	161,796	1.499,809	2.999,618	2.965,834	5.811,668	52,425	122,850	2.640,721	5.281,542	1.087,000	2.174,000	773,599	1.559,198	87,383	174,764	1.801,963	3.603,926	1.734,839	3.473,278
1.6.11	Válvula 100 mm	un	2	2.532,572	5.065,144	2.604,997	5.209,994	2.015,764	4.031,528	2.359,384	4.718,768	2.359,384	4.718,768	1.449,925	2.899,850	2.331,665	4.663,330	2.265,164	4.530,328	2.215,610	4.431,220	1.994,855	3.989,710	4.840,541	9.681,082	1.414,200	2.828,400	1.245,240	2.490,480	2.154,295	4.308,511	1.645,943	3.291,886
1.6.12	Prueba hidráulica en tuberías	ml	650	6,624	4.305,600	6,362	4.135,300	7,851	5.103,150	6,272	4.044,300	6,147	3.995,550	7,508	4.880,200	5,181	3.367,650	7,041	4.576,650	19,176	12.463,100	5,792	3.764,475	8,631	5.610,150	8,400	5.460,000	15,606	10.143,900	8,152	5.298,885	9,335	6.067,750	12,149	7.909,850
1.7	**Pavimento**																																	
1.7.1	Remoción de registros cloacales	un	8	780,667	6.245,336	1.124,225	8.993,800	804,495	6.435,920	635,472	4.963,776	612,708	4.901,664	924,000	7.392,000	642,534	5.140,272	1.068,710	8.544,240	853,439	6.827,512	891,491	7.131,927	1.545,081	12.360,648	548,300	4.386,400	968,882	7.751,056	823,792	6.590,338	839,797	6.718,376	657,341	5.258,728
1.7.2	Remoción de cordones prefabricados	ml	1.198	8,995	10.728,050	10,661	12.699,998	25,696	30.782,610	11,658	13.967,482	11,518	13.799,762	12,128	14.529,344	19,661	23.553,878	11,174	13.386,452	12,219	14.638,362	10,811	12.951,338	14,390	17.239,220	14,000	16.772,000	12,282	14.713,836	26,913	32.241,295	12,840	15.382,520	15,927	19.080,546
1.7.3	Cordón prefabricado 0,100/0,50-FCK=210 kg/cm2	ml	48	109,861	5.273,328	98,388	18.042,440	120,882	40.858,116	55,253	18.675,514	50,295	16.995,510	85,836	29.000,568	72,820	24.608,160	143,115	48.358,470	124,555	42.096,390	134,881	45.587,478	244,545	82.629,210	108,000	36.504,000	105,745	35.731,610	108,058	36.513,604	98,817	33.391,146	78,241	26.441,458
1.7.4	Base compactada con rechazo de cantera e=0,15 m	m3	861	138,270	119.073,470	139,362	120.000,282	169,120	145.672,832	119,213	102.677,193	161,698	139.272,828	145,544	125.400,384	189,788	163.480,068	183,115	157.665,456	124,555	107.241,855	134,881	116.132,541	244,545	210.553,245	188,000	161.868,000	156,795	135.022,095	188,917	162.677,037	148,402	127.774,122	132,394	113.994,234
1.7.5	Remoción de empedrado/ calzadas	m2	6.728	10,524	70.798,744	8,331	56.050,968	26,256	176.650,368	11,056	74.359,840	10,895	73.274,648	13,860	93.250,080	13,705	92.180,328	11,174	75.178,672	12,922	86.930,256	11,223	75.505,922	19,666	134.290,880	24,800	166.854,400	20,343	136.867,704	37,129	249.806,603	13,565	91.265,320	14,847	100.553,616
1.7.6	Remoción de embedrado	m2	5.111	43,718	223.432,478	47,818	244.397,798	55,510	283.711,610	57,833	295.584,463	57,123	291.955,653	56,797	290.289,467	60,218	307.763,978	92,173	419.986,203	49,422	252.595,842	62,429	319.026,065	49,409	252.529,399	66,400	339.290,400	41,225	210.700,975	66,474	339.749,125	25,104	128.306,544	50,837	259.827,907
1.7.7	Base compactada con rechazo de cantera	m3	430	138,270	59.456,144	139,362	59.925,660	169,120	72.721,600	119,213	51.261,590	161,698	69.530,140	145,544	62.583,920	189,788	81.608,840	183,115	78.739,450	124,555	53.558,650	134,881	57.979,183	244,545	105.154,350	188,000	80.840,000	156,795	67.421,850	188,917	81.232,310	148,402	63.812,860	132,394	56.929,420
1.7.8	Riego de liga - imprimación	lts	7.401	5,024	37.182,624	9,244	68.414,844	8,848	65.467,248	8,360	61.877,360	8,257	61.110,067	7,505	55.544,505	8,233	60.932,433	8,667	64.144,467	6,825	50.511,825	9,533	70.568,213	15,476	114.537,876	12,200	90.292,000	4,824	35.702,424	7,703	57.012,123	9,260	61.132,260	7,033	52.036,431
1.7.9	Regularización asfáltica - tasa 60 kg/m2	m2	400	611,777	244.710,920	853,180	341.272,000	604,868	241.947,200	521,892	208.756,800	515,546	206.218,400	604,855	241.942,000	656,355	262.542,000	503,753	201.501,200	547,275	218.910,000	640,924	256.369,519	1.023,045	409.218,000	814,200	325.680,000	693,072	277.228,800	687,130	274.852,000	522,222	208.888,800	648,674	259.469,600
1.7.10	Carpeta con hormigón asfáltico en calientte tasa 100 kg/m2	ln	673	611,777	411.725,921	853,180	574.100,140	805,562	407.543,226	720,714	350.440,522	514,183	346.045,159	645,645	434.519,085	630,292	424.179,786	526,350	354.233,550	537,495	361.734,135	640,924	431.341,623	1.023,045	688.508,285	817,000	549.691,000	693,072	466.249,056	811,283	411.393,594	540,968	364.071,464	648,674	436.693,548
2	**TRAMO -AVDA. MOLAS LÓPEZ (Desde Calle Pbro. Perez Velloso hasta Ing. Roque Zaldívar)**																																	
2.1	Excavación	m3	7.247	18,704	135.547,888	32,008	231.961,976	25,848	187.291,468	27,897	202.169,559	27,547	199.633,109	28,875	209.257,125	29,244	211.931,268	24,146	174.986,062	38,326	277.748,522	32,175	233.172,225	36,466	264.269,102	19,600	142.041,200	20,723	150.179,581	27,294	197.801,792	26,802	194.234,094	14,854	107.646,938
2.2	Enrbado	m3	407	78,813	32.078,891	133,030	54.139,140	127,658	51.955,993	166,928	67.939,696	164,836	67.088,252	121,275	49.358,925	135,948	55.330,836	142,523	58.006,861	247,851	100.875,357	127,057	51.712,329	141,961	57.778,127	120,400	49.002,800	30,857	12.556,799	138,628	56.421,393	129,282	52.617,274	64,817	26.421,219
2.3	**Relleno y compactación**																																	
2.3.1	Asiento de alcantarilla Fck=150 [VER LÁMINA ML-ST-001]	m3	211	882,116	186.126,476	940,322	198.488,122	1.009,568	213.018,426	824,545	173.978,995	838,703	176.965,913	1.004,450	212.023,350	904,828	191.340,708	984,741	207.950,751	935,368	197.362,648	830,629	133.062,683	1.398,698	295.125,278	1.045,200	220.537,200	978,367	206.435,437	1.002,003	211.422,675	864,989	182.512,679	418,984	88.483,924
2.3.2	Base compactada con rechazo de cantera e=0,15 m	m3	127	138,270	17.556,290	139,362	17.693,974	169,120	21.479,024	119,213	15.137,651	161,698	20.535,146	145,544	18.479,288	189,788	24.089,276	183,115	23.245,605	124,555	15.810,985	134,881	17.118,287	244,545	31.037,715	188,000	23.876,000	156,795	19.901,385	188,917	23.978,159	148,402	18.833,254	132,394	16.803,538
2.3.3	Relleno compactado con rechazo de cantera	m3	677	185,552	125.622,089	208,324	141.035,348	161,253	109.168,281	80,578	54.551,306	79,573	53.870,244	123,585	83.667,045	107,818	72.993,463	197,562	133.749,474	147,998	100.174,336	130,220	88.158,925	305,793	207.021,861	145,100	95.524,700	115,834	79.096,618	181,314	122.749,646	124,606	84.358,262	281,575	190.626,775
2.3.4	Retiro de material excedente y limpieza final	m3	5.073	33,021	167.514,933	20,805	105.565,065	47,480	240.826,104	31,188	158.190,324	41,580	210.944,340	25,036	127.129,428	43,437	220.486,215	41,108	208.663,284	34,079	172.953,967	42,980	218.146,140	38,539	195.567,147	50,399	255.762,027	42,220	214.266,060	50,399	255.762,027	42,220	214.266,060	42,220	214.266,060
2.4	**Desagüe Pluvial**																																	
2.4.1	Alcantarilla cajón simple - ACS 1,80x1,80	ml	564	3.555,668	2.005.396,752	2.771,717	1.563.248,388	3.250,855	1.833.482,220	2.601,708	1.467.362,184	2.689,007	1.516,599,948	3.992,861	2.251,213,604	4.649,418	2.622,272,616	3.403,824	1.919,754,336	3.741,635	2.110,282,140	4.094,839	2.309,483,436	3.454,473	1.948,322,772	3.236,100	1.825,160,400	2.893,618	1.632,000,552	3.737,208	2.107,785,425	4.034,402	2.275,402,728
2.4.2	Boinetro eluvial TV	un	5	27.563,240	137.816,200	33,134,987	165.674,935	31,127,935	155.639,675	22,077,316	110.386,580	21,986,152	109.980,760	30,045,472	150.227,360	30,729,603	153.648,005	24,534,783	122.673,915	16,002,716	80.013,580	40,140,072	200.710,359	58,828,385	294.141,925	40,250,200	201.251,000	38,157,363	190.786,815	37,914,678	164.073,388	39,370,342	146.851,710	25,468,715	127.433,575
2.4.3	Sumideros de 2 boca - SM1	un	18	42.986,147	773.750,646	43,471,428	782.485,704	46,464,115	836.354,070	50,901,172	916.220,496	50,901,172	916.220,496	51,277,842	923.000,556	53,305,346	959.496,228	53,813,839	968.649,018	52,268,718	940.836,924	52,268,718	940.836,924	52,268,718	940.836,924	52,268,718	940.836,924	52,268,718	940.836,924	52,268,718	940.836,924	52,268,718	940.836,924	52,268,718	940.836,924
2.4.4	Sumideros de 3 boca - SM2	un	115	39.970,074	4.596.732,072	43,471,428	5.000.142,820	46,464,115	5.343.816,225	29,526,210	3.395.421,150	29,526,210	3.395.421,150	30,054,227	3.457.346,605	32,081,731	3.690.198,565	32,589,224	3.748.562,576	31,046,103	3.570.184,845	31,046,103	3.570.184,845	31,046,103	3.570.184,845	31,046,103	3.570.184,845	31,046,103	3.570.184,845	31,046,103	3.570.184,845	31,046,103	3.570.184,845	31,046,103	3.570.184,845
2.4.5	Tubería de Hº de Ø 600 mm	ml	85	656,497	75.497,155	585,599	67.343,885	472,634	54.352,910	478,312	55.005,880	472,372	54.322,780	711,480	81.820,200	564,658	64.934,865	440,991	50.713,965	368,573	42.388,895	897,685	103.293,757	595,814	67.368,410	431,800	49.657,000	1.015,767	116.813,205	505,475	58.129,660	719,619	82.756,185	652,974	75.092,010
2.4.6	Tubería de Hº de Ø 800 mm	ml	48	898,224	43.107,552	61,058	29.282,688	730,242	35.052,288	840,830	40.359,840	830,143	39.856,464	1.144,805	54.940,440	861,488	41.351,424	673,798	32.342,304	584,994	28.079,712	1.238,691	59.457,154	912,228	43.786,944	881,700	32.721,600	1.276,747	61.275,456	793,778	38.101,248	1.000,814	48.039,072	1.100,791	52.837,968
2.5	**Desagüe Pluvial**																																	
2.5.1	Remoción y reposición de veredas con contrapiso	m2	384	109,861	42.186,624	119,275	45.801,600	179,835	69.079,680	197,618	75.854,912	195,877	75.216,768	105,377	40.464,768	136,736	52.506,624	139,721	53.652,864	146,891	56.406,144	99,379	38.161,394	539,250

DESAGÜE PLUVIAL CUENCA MOLAS LÓPEZ

PLANILLA DE COMPUTO METRICO Y PRESUPUESTO ESTIMATIVO

CUENCA AVDA. MOLAS LÓPEZ

ITEM	RUBRO - DESCRIPCIÓN	un	COMPA S.A		PROEL INGIENERIA		CONCRET MIX S.A.		TECSIL S.A.E		COMPAÑÍA DE CONSTRUCCIONES CIVILES S.A.		CONSORCIO GyB		OCHO A S.A.		TECNODEIL S.A.		CONSORCIO PLUVIAL MOLAS LÓPEZ		SOCIEDAD CONSTRUCTORA CHACO S.A.		TOCSA S.A.		CONSORCIO PC		CONSORCIO CANTECO		EDB CONSTRUCCIONES		CONSORCIO CUENCA		CHAVES CONSTRUCCIONES	
			PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL	PRECIO UNITARIO PROMEDIO	P. TOTAL
3.8.10	Vigas de borde y de hinnado 25x40 cm - tck=26kg/cm2 - Aprinc.4 ø12 Y EST. ø6 - 1C/20 - 120	m4	254	178.056	44.718.224	226.708	57.583.832	391.018	99.318.826	209.511	53.183.794	202.211	51.361.594	183.934	46.719.236	175.501	44.577.254	257.893	65.504.314	197.149	50.075.846	191.314	48.584.279	289.279	73.502.266	229.600	58.318.400	210.892	53.568.346	241.007	61.215.702	276.283	70.175.882	566.812	143.970.248
3.8.11	Revalarización asfáltica - tasa 60 kg/m2	m	983	611.777	601.376.751	853.180	838.675.940	604.868	594.585.244	521.882	513.019.836	553.537	544.035.268	604.865	594.585.244	547.277	537.966.410	640.924	630.027.958	1.045.199	1.027.430.617	814.200	800.358.600	683.072	671.449.776	607.130	596.808.397	522.232	513.354.056	548.874	637.843.142			
3.8.12	Carpeta con hormigón asfáltico en caliente tasa 100 kg/m2	m	1.639	611.777	1.002.702.503	853.180	1.398.362.020	605.502	992.516.118	520.714	853.450.246	514.183	842.745.937	645.645	1.058.212.155	630.298	1.033.032.198	526.358	862.687.650	537.495	880.954.305	846.924	1.050.473.878	1.023.045	1.676.770.755	767.000	1.257.113.000	674.231	1.105.087.881	611.283	1.001.893.165	540.968	886.646.552	649.876	1.065.507.764
3.9	Varios																																	
3.9.1	Señalización horizontal con pintura termoplástica de color blanco y amarillo	m2	3.360	107.929	362.641.440	83.283	279.830.880	122.783	412.550.880	89.195	306.381.600	90.041	302.537.760	92.400	310.464.000	111.888	375.869.760	131.808	428.596.160	103.702	348.438.720	96.525	324.324.000	121.493	408.216.480	99.700	334.992.000	123.914	416.351.040	133.241	447.689.088	94.375	317.100.000	134.910	453.297.600
3.9.2	Señalización vertical - cartelería reglamentaria y preventiva	m2	224	1.000.000	224.000.000	1.561.963	350.081.648	1.600.000	358.400.000	1.571.100	352.166.400	1.481.481	331.851.864	600.000	134.400.000	967.759	216.853.216	1.371.961	307.519.264	1.000.000	224.000.000	1.000.000	224.000.000	1.000.000	224.000.000	1.000.000	224.000.000	1.000.000	224.000.000	1.000.000	224.000.000	1.000.000	224.000.000	1.000.000	224.000.000
3.9.3	Cartel de Obra	un	3	2.685.185	8.055.555	6.080.656	18.241.968	3.463.564	10.390.692	3.438.016	10.314.048	3.395.064	10.185.192	3.556.439	10.669.317	3.788.793	11.366.259	3.545.573	10.636.719	3.677.788	11.033.394	3.217.500	9.625.500	4.699.475	14.098.425	2.492.200	7.476.600	5.585.180	16.755.540	3.752.827	11.258.481	7.796.954	23.390.862	3.894.431	11.683.293
	TOTAL GUARANIES LOTE 1				**32.950.541.358**		**31.886.428.106**		**37.097.981.406**		**31.176.244.418**		**31.187.760.338**		**35.711.000.000**		**41.351.981.191**		**38.199.563.322**		**37.439.052.270**		**36.214.576.757**		**49.630.762.262**		**35.543.699.200**		**41.974.698.717**		**35.837.739.994**		**36.610.588.413**	
	LOTE 2																																	
1	**TRAMO -AVDA. MOLAS LÓPEZ (Desde Via Ferrea hasta Calle Bapúa)**																																	
1.1	Excavación	m3	7	19.586	137.102			28.865	202.055	28.257	197.799	28.232	197.624	23.447	164.129	29.009	203.063	24.243	169.701	35.605	249.235	32.175	225.225			19.100	133.700	20.826	145.782	25.136	175.953	27.348	191.436	25.984	181.888
1.2	Enrbado	m2	889	82.522	73.114.492			142.574	126.820.584	169.083	149.807.538	168.931	149.672.868	120.698	106.938.439	154.929	137.247.284	145.288	128.785.154	253.210	224.344.060	127.057	112.572.780			117.300	103.927.800	31.011	27.745.746	127.668	113.114.025	131.916	116.877.576	67.790	60.061.940
1.3	**Relleno y compactación**																																	
1.3.1	Asiento de alcantarilla Fdc=150 (VER LAMINA ML-ST-01)	m3	371	923.637	342.649.327			1.127.545	418.144.845	884.645	328.203.295	886.222	328.788.362	986.370	365.943.270	900.036	333.913.356	968.641	359.365.811	942.095	349.517.245	630.100	233.767.096			1.018.700	377.937.700	983.242	364.782.782	922.791	342.355.498	1.004.166	372.545.586	428.095	158.823.245
1.3.2	Base compactada con rechazo de cantera e=0.30 m	m3	780	190.271	148.411.380			180.097	140.475.660	94.808	73.950.240	94.722	73.883.160	123.585	96.396.300	107.011	83.468.580	198.361	154.721.580	139.849	109.082.220	201.355	157.056.635			127.500	99.450.000	131.876	102.863.280	166.980	130.244.400	129.162	100.746.360	292.005	227.763.900
1.3.3	Bulbos - Unión de tubos de hormigón con rechazo de cantera	un	1.938	194.291	376.578.958			180.097	349.027.986	94.722	183.577.236	94.722	183.577.236	123.585	239.507.370	107.011	207.387.318	198.361	384.423.618	151.370	293.355.060	201.355	390.225.331			137.500	266.475.000	117.445	227.552.288	166.980	323.607.240	142.171	246.407.010	292.005	565.905.690
1.3.4	Relleno de material excedente y limpieza final	m3	5.381	34.575	186.048.075			52.984	285.106.904	31.959	172.138.190	31.959	171.971.379	40.599	218.463.219	24.909	134.035.329	45.027	242.290.287	43.964	236.570.284	41.108	221.201.879			26.700	143.672.700	38.731	208.411.511	46.416	249.762.344	43.082	231.824.242	26.412	142.122.972
1.4	**Desagüe Pluvial**																																	
1.4.1	Alcantarilla celular TRIPLE - ACT 1.80X1.80	m4	224	9.038.907	2.024.715.168			10.950.510	2.452.914.240	7.821.640	1.752.047.360	7.822.082	1.752.146.368	11.458.407	2.566.683.168	13.833.760	3.098.762.240	10.252.757	2.296.617.568	11.224.723	2.514.337.952	9.302.330	2.083.721.815			9.462.800	2.119.667.200	10.013.563	2.243.038.112	10.186.809	2.281.845.104	10.629.155	2.380.930.720	10.388.747	2.327.079.328
1.4.2	Registro ø1mx1m	un	1	45.003.177	45.003.177			54.779.476	54.779.476	49.757.611	49.757.611	49.757.611	49.757.611	39.522.483	39.522.483	56.874.854	56.874.854	36.937.538	36.937.538	50.304.084	50.304.084	58.290.679	58.290.679			51.956.800	51.956.800	54.312.494	54.312.494	38.831.953	38.831.953	54.065.213	54.065.213	36.858.606	36.858.606
1.4.3	Rejilla de hierro fundido 10T	un	1	131.599.739	131.599.739			102.433.464	102.433.464	42.478.271	42.478.271	42.464.065	42.464.065	136.730.344	136.730.344	116.118.138	116.118.138	146.683.719	133.091.622	127.599.622	116.741.876	118.741.876	118.741.876			177.077.000	177.077.000	137.580.229	137.580.229	117.985.220	117.985.220	93.891.596	93.891.596
1.4.4	Sumideros de 2 boca - SM2	un	2	10.439.363	20.878.726			11.867.774	23.735.548	12.860.220	25.720.440	12.848.526	25.697.052	5.370.346	10.740.692	10.367.794	20.735.588	13.930.733	27.861.466	15.415.579	30.831.158	9.595.954	19.191.908			6.302.500	12.605.000	3.004.012	6.008.024	13.423.322	26.846.644	8.274.278	16.548.556	15.916.354	31.832.708
1.4.5	Tubería de Hofo ø 800 mm	m	8	940.503	7.524.024			813.628	6.524.984	832.747	6.661.976	831.995	6.655.960	1.144.605	9.156.840	855.032	6.840.256	875.763	5.412.184	602.026	4.816.208	1.238.541	9.908.328			664.500	5.316.000	1.283.110	10.264.824	731.029	5.848.207	1.021.211	8.169.688	1.143.508	9.196.064
1.5	**Rehabilitación de desagüe cloacal**																																	
1.5.1	Remoción y reposición de veredas con contrapiso	m2	178	115.034	20.476.052			200.918	35.763.404	153.627	27.345.606	153.592	27.339.376	105.377	18.757.106	135.712	24.156.736	140.286	24.970.908	147.415	26.239.870	99.100	17.639.830			140.700	25.044.600	106.272	18.916.416	155.541	27.686.316	111.527	19.851.806	135.398	24.100.844
1.5.2	Excavación	m3	267	19.586	5.229.462			28.865	7.706.955	28.257	7.544.619	28.232	7.537.944	23.447	6.260.349	29.026	7.749.942	24.243	6.472.881	35.605	9.506.535	32.175	8.590.725			19.100	5.099.700	20.826	5.560.542	25.136	6.711.339	26.581	7.097.127	25.984	6.938.288
1.5.3	Provisión y colocación de tuberías de PEAD de Ø 150 mm	m	232	102.911	23.875.352			128.151	29.803.032	101.212	23.481.184	101.121	23.460.072	105.076	24.377.632	88.822	20.606.704	79.540	18.453.280	72.422	16.801.904	62.214	21.393.144			105.300	24.429.600	109.913	25.499.816	105.687	24.519.384	54.426	12.626.832	96.307	22.343.224
1.5.4	Prov. y coloc. de ramales domiciliarios PVC Ø 100 mm	m	64	84.590	5.413.760			138.122	8.839.808	91.808	5.875.712	91.726	5.870.464	80.152	5.129.728	43.592	2.789.888	51.172	3.275.008	151.137	9.672.768	128.846	8.246.160			36.600	2.342.400	33.960	2.173.440	129.220	8.270.099	96.120	6.151.680	45.426	2.907.264
1.5.5	Asiento de zanja para colectores	m3	18	82.073	1.477.314			116.027	2.088.486	120.385	2.166.930	120.276	2.164.968	80.850	1.455.300	77.267	1.390.806	367.325	6.611.850	95.610	1.720.980	98.865	1.779.570			106.000	1.908.000	117.199	2.109.582	99.373	1.788.712	79.224	1.426.032	74.933	1.348.794
1.5.6	Relleno y compactación de zanjas (en veneda)	m3	267	38.093	10.170.831			56.303	15.032.901	34.119	9.109.773	34.087	9.101.229	45.045	12.027.015	40.103	10.707.501	49.858	13.312.086	124.584	33.263.928	16.088	4.295.363			46.000	12.282.000	58.327	15.573.309	53.038	14.161.039	45.618	12.180.006	55.205	14.739.735
1.5.7	Construcción de Registros Cloacal con tapa triangular de HºFº SEGUN PLANOS	un	3	7.259.293	21.777.879			10.046.208	30.138.624	10.048.073	30.144.219	8.625.183	25.875.549	4.539.798	13.619.394	9.076.662	26.729.986	7.038.497	21.115.491	8.522.810	25.568.430			9.283.100	27.849.300	13.693.764	41.081.292	7.334.249	22.002.747	6.127.125	18.381.375	10.156.984	30.470.952
1.5.8	Prueba hidráulica en tuberías	m	296	5.869	1.737.224			8.769	2.595.624	6.302	1.865.392	6.296	1.863.616	7.508	2.222.368	5.142	1.522.032	7.070	2.092.720	30.417	9.003.432	5.792	1.714.284			8.200	2.427.200	15.683	4.642.168	7.449	2.204.963	7.664	2.268.544	12.708	3.761.568
1.6	**Reacterización de la red de agua corriente**																																	
1.6.1	Remoción de pavimento asfáltico	m2	192	18.582	3.567.744			39.785	7.638.720	28.744	5.518.848	28.718	5.513.856	23.100	4.435.200	14.489	2.781.888	24.935	4.787.520	24.652	4.733.184	38.709	7.432.214			12.400	2.380.800	28.272	5.428.224	27.310	5.243.462	29.016	5.571.072	28.191	5.412.672
1.6.2	Remoción y reposición de empedrado	m2	192	42.715	8.201.280			66.906	12.845.952	54.502	10.464.384	54.452	10.454.784	45.045	8.648.640	59.417	11.408.064	93.722	17.994.624	76.528	14.693.376	68.597	13.170.643			89.400	17.164.800	41.430	7.954.560	57.946	11.125.594	47.428	9.106.176	63.674	12.225.408
1.6.3	Excavación	m3	211	19.586	4.132.646			28.865	6.090.515	28.257	5.962.227	28.232	5.956.952	23.447	4.947.317	29.026	6.124.064	24.243	5.115.273	35.605	7.512.655	32.175	6.788.925			19.100	4.030.100	20.826	4.394.286	25.136	5.303.717	27.348	5.770.428	15.512	3.273.032
1.6.4	Remoción y reposición de veredas con contrapiso	m2	19	115.034	2.185.646			200.918	3.817.442	153.627	2.918.913	153.592	2.918.248	105.377	2.002.163	135.714	2.578.566	140.286	2.665.434	147.415	2.800.885	99.100	1.882.903			140.700	2.673.300	106.272	2.019.168	155.541	2.955.281	111.527	2.119.013	135.398	2.572.562
1.6.5	Asiento y relleno de material arenoso	m3	21	85.495	1.795.395			116.027	2.436.567	69.990	1.469.790	69.927	1.468.467	75.537	1.586.277	77.263	1.622.523	86.929	1.825.509	75.007	1.575.147	98.865	2.076.165			214.600	4.506.600	73.306	1.539.426	88.162	1.851.396	79.224	1.663.704	74.933	1.573.593
1.6.6	Relleno y compactación de zanjas (en veneda)	m3	3	38.093	168.999			56.303	249.911	34.119	102.357	34.087	102.261	45.045	135.135	40.046	120.138	49.858	149.574	124.584	373.752	16.088	48.263			46.000	138.000	58.327	174.981	53.038	159.113	45.618	136.854	55.205	165.615
1.6.7	Provisión y colocación de tuberías de PEAD de Ø 150 mm	m	24	11.486	275.664			20.688	496.512	17.980	431.520	17.963	431.112	18.070	433.680	13.374	320.976	36.306	871.344	22.240	533.760	44.461	1.067.067			28.200	676.800	24.561	589.464	21.611	518.664	20.606	494.544	14.472	347.328
1.6.8	En PEAD de diámetro 2" (ramales) incluido accesorios	m	240	39.706	9.529.440			44.679	10.722.960	37.627	9.030.480	37.593	9.022.320	32.104	7.704.960	27.962	6.710.880	57.268	13.744.320	47.586	11.420.640	32.175	7.722.000			36.100	8.664.000	51.512	12.362.880	39.958	9.589.800	35.863	8.607.120	42.077	10.098.480
1.6.9	Válvula 150 mm	un	2	4.200.593	8.401.186			3.673.633	7.347.266	1.250.508	2.501.016	1.249.378	2.498.756	1.593.900	3.187.800	3.541.243	7.082.486	3.481.811	6.963.622	5.127.442	10.254.884	3.159.000	6.318.000			1.696.500	3.393.000	1.702.278	3.404.556	3.136.950	6.273.901	4.988.985	9.977.970	4.768.568	9.537.136
1.6.10	Prueba hidráulica en tuberías	m	264	6.937	1.831.368			8.769	2.315.016	6.302	1.663.728	6.296	1.662.144	7.508	1.982.112	5.142	1.357.488	7.070	1.866.480	30.417	8.030.088	5.792	1.528.956			8.200	2.164.800	15.683	4.140.312	7.509	1.982.270	8.525	2.514.600	12.708	3.354.912
1.7	**Pavimento**																																	
1.7.1	Remoción de registros cloacales	un	6	817.412	4.904.472			898.504	5.391.024	628.483	3.770.898	627.915	3.767.490	802.725	4.816.350	637.722	3.826.332	771.135	4.626.810	869.187	5.215.122	891.491	5.348.945			534.400	3.206.400	973.710	5.842.260	758.668	4.552.007	856.912	5.141.472	691.169	4.147.014
1.7.2	Remoción y reposición de veredas	m2	232	28.697	6.657.704			118.610	27.519.520	11.810	2.739.920	11.799	2.737.368	10.973	2.545.136	19.513	4.527.016	11.219	2.602.808	12.461	2.890.952	10.811	2.508.152			13.600	3.155.200	12.343	2.863.576	24.786	5.750.422	13.102	3.039.664	15.622	3.858.624
1.7.3	Cordón prefabricado 0.10X0.50-FCK=210 kg/cm2	m	232	55.373	12.846.536			83.060	19.268.920	64.660	15.001.120	64.602	14.987.664	50.820	11.790.240	65.404	15.173.728	72.399	16.796.568	101.603	23.571.896	77.922	18.077.904			61.100	14.175.200	66.187	15.355.384	69.150	16.042.893	57.245	13.280.840	81.398	18.884.336
1.7.4	Cordón cuneta fck=210 kg/cm2	m	232	168.153	39.011.496			188.883	43.820.856	213.820	49.609.240	145.646	33.789.872	188.360	43.699.520	183.864	42.655.520	169.407	39.302.424	134.633	31.234.872	161.340	37.428.288			163.800	38.001.600	159.586	37.023.952	172.180	39.947.222	151.427	35.131.064	208.889	48.462.248
1.7.5	Excavación para cordón	m3	24	11.486	275.664			20.688	496.512	17.980	431.520	17.963	431.112	18.070	433.680	13.374	320.976	36.306	871.344	22.240	533.760	44.461	1.067.067			28.200	676.800	24.561	589.464	21.611	518.664	20.606	494.544	14.472	347.328
1.7.6	Remoción de pavimento asfáltico	m2	2.441	18.582	45.358.662			39.785	97.115.185	28.744	70.164.104	28.718	70.100.638	23.100	56.387.100	14.489	35.367.649	24.935	60.866.335	24.652	60.175.532	38.709	94.489.767			12.400	30.268.400	28.272	69.011.952	27.310	66.662.978	29.016	70.828.056	28.191	68.814.231
1.7.7	Base estabilizada con rechazo de cantera e=0.30 m	m3	747	190.271	142.082.337			180.097	134.512.959	94.808	70.847.304	94.722	70.783.722	123.585	92.355.495	107.011	79.957.017	198.361	148.183.667	139.849	104.491.503	201.355	150.415.435			127.500	95.242.500	131.876	98.513.172	166.980	124.747.260	129.162	96.502.014	292.005	218.067.735
1.7.8	Riego de liga - Imprimación	lts	2.441	5.261	12.842.101			7.646	18.663.886	8.468	20.670.388	8.460	20.650.860	9.928	16.911.248	8.172	19.947.852	8.702	21.241.582	7.798	19.034.918	9.539	23.284.723			11.900	29.047.900	4.848	11.833.968	7.094	17.316.210	8.428	20.572.748	7.343	17.924.263
1.7.9	Regularización asfáltica - tasa 60 kg/m2	m	146	640.574	93.523.804			675.554	98.630.884	675.893	98.680.378	675.282	98.591.172	614.460	89.711.160	651.444	95.110.824	505.793	73.845.778	599.057	87.462.322	640.924	93.574.854			793.700	115.880.200	686.476	100.225.496	559.127	81.632.498	532.875	77.799.750	666.093	97.249.578
1.7.10	Carpeta con hormigón asfáltico en caliente tasa 100 kg/m2	m	244	640.574	156.300.056			676.328	165.024.032	674.689	164.626.556	674.090	164.477.960	635.250	155.001.000	625.563	152.637.372	628.417	128.948.388	587.690	143.467.120	640.924	156.385.373			747.600	182.414.400	677.591	165.332.692	582.961	137.360.142	551.992	134.686.048	666.095	162.527.180
2	**TRAMO - CALLE VIA FERREA (Desde Av. Molas Lopez hasta Arroyo Yyyra'i)**																																	
2.1	Excavación	m3	9.165	19.586	179.505.690			28.865	264.547.725	28.257	258.975.405	28.232	258.746.280	23.447	214.891.755	29.025	266.014.125	24.243	222.187.095	35.605	326.319.825	32.175	294.883.875			19.100	175.051.500	20.826	190.870.290	25.136	230.372.357	27.348	250.644.420	15.512	142.167.480
2.2	Enrbado	m2	1.232	82.522	101.667.104			142.574	175.651.168	169.083	208.310.256	168.931	208.122.992	120.698	148.699.936	134.929	166.232.528	143.099	176.297.968	253.210	311.954.720	127.057	156.534.618			117.300	144.513.600	31.011	38.205.552	127.668	157.287.222	131.916	162.520.512	67.790	83.517.280
2.3	**Relleno y compactación**																																	
2.3.1	Asiento de alcantarilla Fdc=150 (VER LAMINA ML-ST-01)	m3	871	923.637	619.760.427			1.127.545	756.582.695	884.645	593.596.795	886.222	594.654.962	986.370	661.854.270	900.036	603.924.827	968.641	649.958.111	942.095	632.145.745	630.100	422.797.093			1.018.700	683.547.700	983.242	659.755.382	922.791	619.192.828	1.004.166	673.795.386	428.095	287.251.745
2.3.2	Base compactada con rechazo de cantera e=0.30 m	m3	1.830	190.271	266.980.013			180.097	252.676.010	94.808	133.015.464	94.722	132.894.960	123.585	173.395.050	107.011	150.136.433	198.361	278.308.483	139.849	196.208.147	201.355	282.560.683			127.500	178.882.500	131.876	185.022.028	166.980	234.272.940	129.162	181.234.286	292.005	409.683.015
2.3.3	Relleno compactado con rechazo de cantera	m3	4.026	194.291	782.215.560			180.097	725.070.522	94.808	381.697.008	94.722	381.350.772	123.585	497.553.210	107.011	430.826.286	198.361	798.601.386	151.370	609.415.620	201.355	810.653.861			137.500	553.575.000	117.418	472.716.816	166.980	672.261.480	127.145	511.885.770	292.005	1.175.612.130
2.3.4	Retiro de material excedente y limpieza final	m3	7.332	34.575	253.503.900			52.984	388.478.688	31.959	234.550.680	31.959	234.323.388	40.599	297.671.868	24.909	182.632.788	45.027	330.137.964	43.964	322.344.048	41.108	301.403.489			26.700	195.764.400	38.731	283.975.692	46.416	340.319.179	43.082	315.877.224	26.412	193.652.784
2.4	**Desagüe Pluvial**																																	
2.4.1	Alcantarilla celular TRIPLE - ACT 1.80X1.80	m4	291	9.038.907	2.630.321.937			10.950.510	3.186.558.410	7.821.640	2.276.097.240	7.822.082	2.276.225.862	11.458.407	3.334.396.437	13.833.761	4.025.624.451	10.252.757	2.983.552.287	11.224.723	3.266.394.393	9.302.330	2.706.977.893			9.462.800	2.753.674.800	10.013.563	2.913.946.833	10.186.809	2.964.361.274	10.629.155	3.093.084.105	10.388.747	3.023.125.377
2.4.2	Registro ø1mx1m	un	1	45.003.177	45.003.177			102.433.464	102.433.464	42.478.271	42.478.271	42.464.065	42.464.065	136.730.344	136.730.344	116.118.138	116.118.138	146.683.719	133.091.622	127.599.622	116.741.876	118.741.876	118.741.876			177.077.000	177.077.000	137.580.229	137.580.229	117.985.220	117.985.220	93.891.596	93.891.596	187.783.192	187.783.192
2.4.3	Rejilla de hierro fundido 10T	un	2	131.599.739	263.199.478			54.779.476	109.558.952	49.757.611	99.515.222	49.757.611	99.515.222	39.522.483	79.044.966	56.874.854	113.749.708	36.937.538	73.875.076	50.304.084	100.608.168	58.290.679	116.581.358			51.956.800	103.913.600	54.312.494	108.624.988	38.831.953	77.663.905	54.065.213	108.130.426	36.858.606	73.717.212
2.4.4	Sumideros de 2 boca - SM3	un	2	17.167.667	34.335.334			21.325.000	42.650.000	20.874.923	41.749.846	20.874.923	41.749.846	21.319.060	42.638.120	13.540.999	27.081.991	16.088.363	32.176.726	15.415.579	30.831.158	15.488.000	30.976.000			14.000.000	28.000.000	13.693.764	27.387.528	13.244.349	26.488.698	12.708.000	25.416.000	27.273.938	54.547.876
2.4.5	Tubería de Hofo ø 800 mm	m	8	940.503	8.464.527			813.628	7.340.607	832.747	7.494.723	831.995	7.487.955	1.144.605	10.301.445	855.032	7.695.099	875.763	6.088.707	602.026	5.418.234	1.238.541	11.146.868			664.500	5.980.500	1.283.110	11.547.927	731.029	6.579.233	1.021.211	9.190.899	1.143.508	10.345.572
2.5	**Rehabilitación de desagüe cloacal**																																	
2.5.1	Remoción y reposición de veredas con contrapiso	m2	306	115.034	35.208.204			200.918	61.481.190	153.627	47.000.562	153.592	46.989.552	105.377	32.232.162	135.712	41.513.472	140.286	42.927.516	147.415	45.100.590	99.100	30.318.600			140.700	43.044.200	106.272	32.508.432	155.541	47.577.546	111.527	34.120.962	135.398	41.421.588
2.5.2	Excavación	m3	1.058	19.586	20.721.988			28.865	30.539.170	28.257	29.895.906	28.232	29.869.456	23.447	24.806.926	29.025	30.708.450	24.243	25.649.094	35.605	37.670.090	32.175	34.036.275			19.100	20.206.800	20.826	22.033.908	25.136	26.593.994	26.581	28.141.622	15.512	16.411.696
2.5.3	Provisión y colocación de tuberías de PEAD de

DESAGÜE PLUVIAL CUENCA MOLAS LÓPEZ

PLANILLA DE COMPUTO METRICO Y PRESUPUESTO ESTIMATIVO

CUENCA AVDA. MOLAS LÓPEZ

			COVIPA S.A		PROEL INGENIERIA		CONCRET MIX S.A.		TECSUL S.A.E		COMPAÑIA DE CONSTRUCCIONES CHILES S.A.		CONSORCIO Cy6		OCHO A S.A.		TECNODEIL S.A.		CONSORCIO PLUVIAL MOLAS LÓPEZ		SOCIEDAD CONSTRUCTORA CHACO S.A.		TOCSA S.A.		CONSORCIO PC		CONSORCIO CONTECO		EDB CONSTRUCCIONES		CONSORCIO CUENCA		CHAVES CONSTRUCCIONES	
5.5.3	Provisión y colocación de tuberías de PEAD de Ø 150 mm	mt	920	34.911	94.678,120		124.151	114.218,920	101.212	93.115,040	101.212	93.031,320	105.076	96.669,920	88.822	81.716,240	79.540	73.176,800	72.422	66.628,240	92.447	84.836,466			105.300	96.876,000	109.913	101.119,960	88.179	81.124,956	54.426	50.071,920	96.307	88.602,440
4.5.4	Prov. y coloc. de ramales domiciliarios PVC Ø 100 mm	mt	256	84.590	21.655,040		138.122	35.359,232	91.808	23.502,848	91.726	23.481,856	80.152	20.518,912	43.592	11.159,552	51.172	13.100,032	151.137	38.691,072	128.846	32.984,640			36.600	9.369,600	33.960	8.693,760	129.220	33.080,397	96.120	24.606,720	45.426	11.629,056
4.5.5	Ejecución de nuevo ramal colectores	mt	32	82.073	5.827,183		116.027	8.237,917	71.305	5.061,355	85.347	6.057,537	120.276	8.539,596	80.850	5.740,350	77.250	5.482,750	95.619	6.789,310	98.865	7.019,415			99.373	7.055,479	72.224	5.126,704	99.743	7.080,953	74.993	5.324,303	54.624	3.877,504
4.5.6	Relleno y compactación de zanjas (en veredas)	m3	1.058	38.093	40.302,394		56.303	59.568,574	34.119	36.097,902	34.087	36.064,046	45.045	47.657,610	40.103	42.428,974	49.858	52.749,764	124.584	131.809,872	16.088	17.020,575			46.000	48.668,000	58.327	61.709,966	53.038	56.113,781	45.618	48.263,844	55.205	58.406,890
4.5.7	Construcción de Registros Cloacal con tapa triangular de HºFº SEGUN PLANOS	un	10	7.259.293	72.592,930		7.255.999	72.559,990	10.046.208	100.462,080	10.048.073	100.480,730	8.625.183	86.251,830	4.539.760	45.397,600	9.576.662	95.766,620	7.038.497	70.384,970	8.522.810	85.228,100			9.283.100	92.831,000	13.693.764	136.937,640	7.334.249	73.342,489	6.127.125	61.271,250	10.156.984	101.569,840
4.5.8	Prueba hidráulica en tuberías	mt	1.176	5.869	6.901,944		8.769	10.312,344	6.302	7.411,152	6.296	7.404,096	7.508	8.829,408	5.142	6.046,992	7.070	8.314,320	30.417	35.770,392	5.792	6.811,296			8.200	9.643,200	15.683	18.443,208	7.449	8.760,259	7.664	9.012,864	12.708	14.944,608
4.6	**Reafacsación de la red de agua corriente**																																	
4.6.1	Remoción y reposición de empedrado	m2	736	42.715	31.438,240		66.906	49.242,816	54.502	40.113,472	54.452	40.076,672	45.045	33.153,120	59.418	43.731,648	93.722	68.979,392	76.528	56.324,608	68.597	50.487,466			89.400	65.798,400	41.430	30.492,480	57.946	42.648,109	47.428	34.907,008	63.674	48.864,064
4.6.2	Remoción de pavimento asfáltico	m2	294	39.766	11.692,404		28.118	11.736,575	28.744	12.000,792	8.479.480	3.540,213	23.100	9.641,925	8.814.500	3.679,215	24.651	10.291,542	24.243	17.842,848	35.605	26.205,280	32.175	23.680,800			12.400	3.658,000	28.272	8.340,240	27.310	8.056,362	29.016	8.559,372	21.307	6.286,365
4.6.3	Relleno compactado con material arenoso	m3	736	19.589	14.415,296		28.865	21.244,640	28.257	20.797,152	28.232	20.778,752	23.447	17.256,992	29.026	21.363,136	24.243	17.842,848	35.605	26.205,280	32.175	23.680,800			19.100	14.057,600	20.826	15.327,936	25.136	18.500,170	27.348	20.128,128	15.512	11.416,832
4.6.4	Remoción y reposición de veredas con contrapiso	m2	294	115.034	33.819,996		200.918	59.069,892	153.627	45.166,338	153.592	45.156,048	105.377	30.980,838	135.711	39.899,034	140.286	41.244,084	147.415	43.340,010	99.100	29.135,450			140.700	41.365,800	106.272	31.243,968	155.541	45.729,083	111.527	32.788,938	135.398	39.807,012
4.6.5	Ejecución de nuevo ramal colectores	m3	1.016	82.073	83.399,992		116.027	118.507,912	99.990	101.589,960	99.927	102.024,816	75.537	77.803,110	72.250	74.417,500	86.325	88.924,875	75.007	77.257,210	98.865	101.830,950			214.600	221.038,000	73.300	75.509,000	88.162	90.806,551	79.224	81.600,720	77.180	79.495,400
4.6.6	En PEAD de diámetro 2" incluido accesorios	mt	920	39.706	36.529,520		44.679	41.104,680	37.627	34.616,840	37.593	34.585,560	32.104	29.535,680	27.962	25.725,040	57.268	52.686,560	40.247	37.027,240	32.175	29.601,000			36.100	33.212,000	51.512	47.391,040	39.958	36.760,900	35.863	32.993,960	42.077	38.710,840
4.6.7	En PEAD de diámetro 3/4" (ramales) incluido accesorios	mt	960	11.466	4.235,840		20.688	7.613,184	17.980	6.616,640	17.963	6.610,384	18.070	6.649,760	13.375	4.922,000	36.306	13.360,608	22.240	8.184,320	44.461	16.361,711			38.400	14.131,200	21.618	7.952,703	20.606	7.583,008	14.472	5.325,696	14.472	5.325,696
4.6.8	Válvula 50 mm	un	4	882.099	5.292,594		97.736	586,416	998.451	5.990,706	997.549	5.985,294	961.191	5.767,146	80.292	481,752	1.505.974	9.035,844	2.827.637	16.965,822	62.425	368,550			1.060.300	6.361,800	783.482	4.700,892	80.247	481,483	1.838.687	11.032,122	1.813.496	10.880,976
4.6.9	Prueba hidráulica en tuberías	mt	1.288	6.937	8.934,856		8.769	11.294,472	6.302	8.116,976	6.296	8.109,248	7.508	9.670,304	5.142	6.622,896	7.070	9.106,160	30.417	39.177,096	5.792	7.459,456			8.200	10.561,600	15.683	20.199,704	7.449	9.594,570	8.525	12.268,200	12.708	16.367,904
4.7	**Pavimento**																																	
4.7.1	Levantamiento y reposición de tapas de registros cloacales	un	6	817.412	4.087,060		898.504	4.492,520	884.470	4.422,350	883.671	4.418,355	802.725	4.013,625	1.010.465	5.052,325	964.314	4.821,570	319.809	1.599,045	1.016.147	5.080,737			423.400	2.117,000	721.700	3.608,500	858.607	4.293,036	616.572	3.082,860	691.169	3.455,845
4.7.2	Remoción de cordones	mt	900	28.697	25.827,300		28.697	25.827,300	28.744	25.869,600	28.718	25.846,200	23.100	20.790,000	14.490	13.041,000	24.935	22.441,500	24.652	22.186,800	38.709	34.838,505			13.600	12.240,000	14.343	13.108,700	24.788	22.307,670	13.102	11.791,800	18.532	16.678,800
4.7.3	Cordón prefabricado 0.10X0.50-FCK=210 kg/cm2	mt	900	55.373	49.835,700		64.660	58.194,000	64.602	58.141,800	50.820	45.738,000	65.405	58.864,500	72.399	65.159,100	101.603	91.442,700	77.922	70.129,800	61.066	54.959,400			61.100	54.990,000	66.187	59.568,300	69.150	62.235,360	57.245	51.520,500	81.398	73.258,200
4.7.4	Alambrado (malla ciclonica)	m2	1.296	24.505	31.753,080		24.505	31.753,080	11.172	14.478,192	11.161	14.463,912	13.860	17.962,560	5.142	6.662,832	7.070	9.163,440	30.417	39.417,216	5.792	7.506,432			24.200	31.367,200	20.449	26.502,432	21.403	27.734,352	19.511	25.282,056	15.609	20.233,632
4.7.5	Remoción de pavimento asfáltico	m2	900	18.582	16.723,800		39.785	35.806,500	28.744	25.869,600	28.718	25.846,200	23.100	20.790,000	14.490	13.041,000	24.935	22.441,500	24.652	22.186,800	38.709	34.838,505			12.400	11.160,000	28.272	25.444,800	27.310	24.578,730	29.016	26.114,400	28.191	25.371,900
4.7.6	Base estabilizada con rechazo de cantera e=0.30 m	m3	1.331	190.271	253.260,701		180.097	239.709,107	94.808	126.189,448	94.722	126.074,982	160.314	213.377,934	236.625	314.947,875	198.361	264.018,491	139.279	185.380,349	81.871	108.969,968			159.700	212.527,000	131.876	175.529,956	166.980	222.250,380	129.192	171.914,622	292.005	388.658,655
4.7.7	Riego de liga - imprimación	lts	2.331	21.461	22.932,990		7.646	8.169,964	8.468	9.047,584	8.460	9.038,280	36.871	39.397,448	6.928	7.401,664	30.198	32.271,312	7.798	33.991,482	9.535	41.560,460			11.900	51.872,000	9.840	42.878,400	7.094	30.922,310	8.428	36.737,608	7.343	32.008,137
4.7.8	Regularización asfáltica - tasa 60 kg/m2	tn	262	640.574	167.830,388		675.554	176.995,148	675.893	177.083,966	675.282	176.923,884	614.460	160.988,520	651.444	170.678,328	505.793	132.517,766	599.057	156.952,934	640.924	167.921,999			793.700	207.949,400	686.476	179.856,712	559.127	146.491,195	532.875	139.613,250	666.093	174.516,366
4.7.9	Carpeta con hormigón asfáltico en caliente tasa 100 kg/m2	tn	436	640.574	279.290,264		676.328	294.879,008	674.699	294.168,764	674.090	293.903,240	635.250	276.993,000	625.563	272.745,468	528.477	230.413,572	587.990	256.350,280	640.924	279.442,716			747.600	325.953,600	677.593	295.430,548	562.951	245.446,810	551.992	240.668,512	666.095	290.417,420
5	**TRAMO - CRUCE ARTIGAS**																																	
5.1	Excavación	m3	1.441	19.586	28.223,426		28.865	41.594,465	28.257	40.718,337	28.232	40.682,312	23.447	33.787,127	29.025	41.825,025	24.243	34.934,163	35.605	51.306,805	32.175	46.364,175			19.100	27.523,100	20.826	30.010,266	25.136	36.221,120	27.348	39.408,468	15.512	22.352,792
5.2	Embudo	m2	460	82.522	40.435,780		142.574	69.861,260	169.083	82.850,670	168.931	82.776,190	120.698	59.142,020	134.929	66.115,210	143.099	70.118,510	253.210	124.072,900	127.067	62.258,087			117.300	57.477,000	31.011	15.195,390	127.668	62.557,418	131.916	64.638,840	67.790	33.217,100
5.3	**Relleno y compactación**																																	
5.3.1	Asiento de alcantarilla Fck=150 (VER LAMINA ML-ST-01)	m3	22	923.637	20.320,014		1.127.545	24.805,990	884.645	19.462,190	886.222	19.496,884	986.370	21.700,140	900.040	19.800,880	968.641	21.310,102	942.095	20.726,090	630.100	13.862,200			1.018.700	22.411,400	983.242	21.631,324	922.791	20.301,404	1.004.166	22.091,652	428.095	9.418,090
5.3.2	Base compactada con rechazo de cantera e=0.30 m	m3	1.020	190.271	194.077,020		180.097	183.698,940	94.808	96.704,080	94.722	96.616,440	123.585	126.056,700	107.011	109.151,220	198.361	202.328,220	151.370	154.397,400	205.381	209.488,620			127.500	130.050,000	131.876	134.513,520	166.980	170.319,600	129.192	131.775,840	292.005	297.845,100
5.3.3	Relleno compactado con rechazo de cantera	m3	550	194.291	106.860,050		180.097	99.053,350	94.808	52.144,400	94.722	52.097,100	123.585	67.971,750	107.011	58.856,050	198.361	109.098,550	151.370	83.253,500	201.355	110.745,063			137.500	75.625,000	117.416	64.578,800	165.741	91.157,770	127.145	69.929,750	292.005	160.602,750
5.3.4	Retiro de material excedente y limpieza final	m3	1.153	34.575	39.864,975		52.984	61.090,552	31.990	36.884,470	31.959	36.848,727	40.599	46.810,647	24.909	28.720,077	45.027	51.916,131	43.964	50.690,492	41.108	47.397,466			26.700	30.785,100	38.731	44.656,843	46.416	53.517,187	43.082	49.673,546	26.412	30.453,036
5.4	**Desagüe Pluvial**																																	
5.4.1	Provisión y colocación de tuberías de PEAD de Ø 400 mm	mt	22	9.038.907	198.855,954		10.950.510	240.911,220	7.821.640	172.076,080	7.822.082	172.085,804	11.458.407	252.084,954	13.833.766	304.342,632	10.252.757	225.560,654	11.224.723	246.943,906	9.302.330	204.651,250			9.462.800	208.181,600	10.013.563	220.298,386	10.186.809	224.109,787	10.629.155	233.841,410	10.388.747	228.552,434
5.4.2	Excavación de 3 boca - SM3	m3	1.000	14.796.552	19.186,208		17.163.467	68.653,868	15.328.568	61.314,272	15.327.687	61.310,748	7.039.455	28.157,820	13.340.514	53.362,056	20.874.923	83.499,692	21.788.740	85.276,240	9.460.000	38.384,000			7.840.300	31.396,400	7.195.883	28.783,532	18.725.974	74.903,897	11.689.871	46.759,484	23.136.969	92.547,876
5.4.3	Registro cloaca 1.701	un	2	164.106.384	328.212,768		128.955.154	257.910,308	66.287.737	132.575,474	66.266.175	132.532,350	157.637.865	315.275,730	127.959.306	255.918,612	152.576.211	305.152,422	134.944.552	269.889,104	130.850.760	261.701,519			195.103.200	390.206,400	129.570.651	259.141,302	113.034.686	226.069,371	158.663.219	317.326,438	93.891.596	187.783,192
5.4.4	Tubería de HºAº de Ø 800 mm	mt	15	940.503	14.107,545		813.623	12.204,345	821.405	12.491,205	831.995	12.479,925	1.144.605	17.169,075	855.045	12.825,675	676.523	10.147,845	602.026	9.030,390	1.238.541	18.578,115			664.500	9.967,500	1.283.100	19.246,541	731.026	10.965,389	1.021.211	15.318,165	1.149.508	17.242,620
5.5	**Reafacsación del desagüe cloacal**																																	
5.5.1	Remoción y reposición de veredas con contrapiso	m2	24	115.034	2.760,816		200.918	4.822,032	153.627	3.687,048	153.592	3.686,208	105.377	2.529,048	135.706	3.256,944	140.286	3.366,864	147.415	3.537,960	99.100	2.378,404			140.700	3.376,800	106.272	2.550,528	155.541	3.732,986	111.527	2.676,648	135.398	3.249,552
5.5.2	Excavación	m3	108	19.586	2.115,288		28.865	3.117,420	28.257	3.051,756	28.232	3.049,056	23.447	2.532,276	29.024	3.134,592	24.243	2.618,244	35.605	3.845,340	32.175	3.474,900			19.100	2.062,800	20.826	2.249,208	25.136	2.714,699	76.581	8.270,148	15.512	1.675,296
5.5.3	Provisión y colocación de tuberías de PEAD de Ø 400 mm	mt	80	186.517	14.921,360		557.771	44.621,680	390.634	31.250,720	390.282	31.222,560	572.303	45.784,240	369.911	29.592,880	446.186	35.694,880	444.973	35.597,840	540.862	43.268,940			304.400	24.352,000	285.797	22.863,760	483.611	38.688,848	253.177	20.254,160	501.174	40.093,920
5.5.4	Provisión y colocación de tuberías de PEAD de Ø 150 mm	mt	40	102.615	4.104,600		124.151	4.966,040	101.212	4.048,480	101.121	4.044,840	105.076	4.203,040	88.822	3.552,880	79.540	3.181,600	72.422	2.896,880	92.447	3.697,880			105.300	4.212,000	109.913	4.396,520	105.687	4.227,476	54.426	2.177,040	96.307	3.852,280
5.5.5	Prov. y coloc. de ramales domiciliarios PVC Ø 100 mm	un	118	84.590	930,490		138.122	1.519,342	120.385	1.009.888	91.726	1.008.986	80.152	881.672	196.171	2.157.881	51.172	562.892	151.137	1.662.507	128.846	1.417.306			36.600	402.600	33.960	373.560	129.220	1.421,423	96.120	1.057.320	45.426	499.686
5.5.6	Asiento de zanja para colectores	m3	7	82.073	574,511		116.027	812.189	120.385	842.695	120.276	841.932	80.850	565.950	77.263	540.841	367.325	2.571.275	95.610	669.270	98.865	692.055			106.000	742.000	117.199	820.393	99.373	695.610	79.224	554.568	74.933	524.531
5.5.7	Relleno y compactación de zanjas (en veredas)	m3	116	38.093	4.419,788		56.303	6.080,724	34.119	3.684.552	34.087	3.681,396	45.045	4.864,860	40.103	4.331,016	49.858	5.384,664	124.584	13.455,072	16.088	1.737,408			46.000	4.968,000	58.327	6.299,316	53.038	5.728,061	45.618	4.926,744	55.205	5.962,140
5.5.8	Construcción de Registros Cloacal con tapa triangular de HºFº SEGUN PLANOS	un	4	7.259.293	29.037,172		72.559.999	290.239,996	40.184.832	160.739,328	10.048.073	40.192,292	8.625.183	34.500,732	4.539.798	18.159,192	9.576.662	38.306,648	7.038.497	28.153,988	8.522.810	34.091,240			9.283.100	37.132,400	13.693.764	54.775,056	7.334.249	29.336,966	6.127.125	24.508,500	10.156.984	40.627,936
5.5.9	Prueba hidráulica en tuberías	mt	125	5.869	704,280		8.769	1.052,280	6.302	756,240	6.296	755,520	7.508	900,960	5.142	617,040	7.070	848,400	30.417	3.650,040	5.792	694,980			8.200	984,000	15.683	1.881,960	7.449	893,904	7.664	919,680	12.708	1.524,960
5.6	**Reafacsación de la red de agua corriente**																																	
5.6.1	Remoción y reposición de empedrado	m2	64	42.715	2.733,760		66.906	4.281,984	54.502	3.488,128	54.452	3.484,928	45.045	2.882,880	59.418	3.802,752	93.722	5.998,208	76.528	4.897,792	68.597	4.390,214			89.400	5.721,600	41.430	2.651,520	57.946	3.703,531	47.428	3.035,392	63.674	4.075,136
5.6.2	Remoción de pavimento asfáltico	m2	9	39.766	2.546,144		28.118	1.800,352	28.744	1.839,616	28.718	1.837,952	23.100	1.478,400	14.490	927,424	24.935	1.595,840	24.652	1.577,728	38.709	2.477,405			12.400	793,600	28.272	1.809,408	27.310	1.747,821	29.016	1.857,024	28.191	1.804,224
5.6.3	Excavación	m3	96	19.586	1.880,256		28.865	2.771,040	28.257	2.712,672	28.232	2.710,272	23.447	2.250,912	29.024	2.786,304	24.243	2.327,328	35.605	3.418,080	32.175	3.088,800			19.100	1.833,600	20.826	1.999,296	25.136	2.413,056	27.348	2.625,408	15.512	1.489,152
5.6.4	Remoción y reposición de veredas con contrapiso	m2	32	115.034	3.681,088		200.918	6.429,376	153.627	4.916.064	153.592	4.914.944	105.377	3.372,064	135.712	4.342,784	140.286	4.489,152	147.415	4.717,280	99.100	3.171,205			140.700	4.502,400	106.272	3.400,704	155.541	4.977,315	111.527	3.568,864	135.398	4.332,736
5.6.5	Asiento y relleno de material arenoso	m3	18	85.495	1.554,902		116.027	2.109,491	69.990	1.272,818	69.927	1.271,127	75.537	1.373,218	72.254	1.313,818	86.929	1.580,344	75.007	1.363,854	98.865	1.797,573			214.600	3.901,220	73.300	1.332,806	88.162	1.603,149	79.224	1.440,768	74.933	1.362,479
5.6.6	En PEAD de diámetro 2" incluido accesorios	mt	920	39.706	36.529,520		44.679	41.104,680	37.627	34.616,840	37.593	34.585,560	32.104	29.535,680	27.962	25.725,040	57.268	52.686,560	40.247	37.027,240	32.175	29.601,000			36.100	33.212,000	51.512	47.391,040	39.958	36.760,900	35.863	32.993,960	42.077	38.710,840
5.6.7	En PEAD de diámetro 3/4" (ramales) incluido accesorios	mt	208	11.466	2.385,088		20.688	4.303,104	17.980	3.739,840	17.963	3.736,304	18.070	3.758,560	13.373	2.781,584	36.306	7.551,648	22.240	4.625,920	44.461	9.247,923			38.400	7.987,200	21.618	4.496,544	20.606	4.286,048	14.472	3.010,176	14.472	3.010,176
5.6.8	Válvula 50 mm	un	33	882.099	8.174,607		97.736	906,088	998.451	9.253,977	997.549	9.245,573	961.191	8.907,213	80.292	744,024	1.505.974	10.541,818	2.827.637	19.793,459	62.425	429,975			1.060.300	7.422,100	783.482	5.484,374	80.247	561,730	1.838.687	12.870,801	1.813.496	12.694,472
5.6.9	Prueba hidráulica en tuberías	mt	728	6.937	5.050,136		8.769	6.383,832	6.302	4.587,856	6.296	4.583,488	7.508	5.465,824	5.143	3.744,104	7.070	5.146,960	30.417	22.143,576	5.792	4.216,212			8.200	5.969,600	15.683	11.417,224	7.449	5.423,018	7.664	5.579,392	12.708	9.251,424
6.6	**Pavimento**																																	
6.6.1	Levantamiento y reposición de tapas de registros cloacales	un	3	817.412	2.452,236		898.504	2.695,512	884.470	2.653,410	883.671	2.651,013	802.725	2.408,175	1.010.388	3.031,164	964.314	2.892,942	319.809	959,427	1.016.147	3.048,442			423.400	1.270,200	721.700	2.165,100	858.607	2.575,822	616.572	1.849,716	691.169	2.073,507
6.6.2	Remoción de cordones	mt	505	9.376	4.689,020		9.376	4.689,020	11.810	5.905,000	11.799	5.899,500	10.973	5.486,500	15.514	9.757,000	11.219	5.609,500	12.461	6.230,500	10.811	5.405,500			13.600	6.800,000	12.343	6.171,500	24.788	12.393,150	13.102	6.551,000	16.632	8.316,000
6.6.3	Cordón prefabricado 0.10X0.50-FCK=210 kg/cm2	mt	520	55.373	27.686,500		83.060	41.530,000	64.660	32.330,000	64.602	32.301,000	50.820	25.410,000	65.405	32.702,500	72.399	36.199,500	101.603	50.801,500	77.922	38.961,000			61.100	30.550,000	66.187	33.093,500	69.150	34.575,200	57.245	28.622,500	81.398	40.699,000
6.6.4	Alambrado (malla ciclonica)	m2	2.330	11.019	25.674,270		24.505	57.096,650	11.172	26.030,760	11.162	26.007,460	13.860	32.293,800	12.762	29.735,460	11.219	26.140,270	13.521	31.503,930	38.999	90.860,913			24.200	56.386,000	20.446	47.636,850	21.403	49.868,291	13.841	32.249,530	15.609	36.368,970
6.6.5	Remoción y reposición de veredas con contrapiso	m2	168	115.034	19.095,644		200.918	33.352,388	153.627	25.502,682	153.592	25.496,272	105.377	17.492,582	135.712	22.528,192	140.286	23.287,476	147.415	24.470,890	99.100	16.450,628			140.700	23.356,200	106.272	17.641,152	155.541	25.819,823	111.527	18.513,682	135.398	22.476,068
6.6.6	Asiento y relleno de material arenoso	m3	68	85.495	4.958,710		116.027	6.729,566	69.990	4.059,420	69.927	4.055,766	75.537	4.381,146	77.262	4.481,196	86.929	5.041,882	75.007	4.350,406	98.865	5.734,170			214.600	12.446,800	73.300	4.251,748	88.162	5.113,379	79.224	4.594,992	74.933	4.346,114
6.6.7	En PEAD de diámetro 2" incluido accesorios	mt	520	39.706	20.647,120		44.679	23.233,080	37.627	19.566,420	37.593	19.548,360	32.104	16.694,080	27.962	14.540,240	57.268	29.779,360	40.247	20.928,440	32.175	16.731,000			36.100	18.772,000	51.512	26.786,240	39.958	20.777,900	35.863	18.648,760	42.077	21.880,040
6.6.8	En PEAD de diámetro 3/4" (ramales) incluido accesorios	mt	208	11.466	2.385,088		20.688	4.303,104	17.980	3.739,840	17.963	3.736,304	18.070	3.758,560	13.373	2.781,584	36.306	7.551,648	22.240	4.625,920	44.461	9.247,923			28.200	5.865,600	24.561	5.108,688	21.611	4.495,005	20.606	4.286,048	14.472	3.010,176
6.6.9	Válvula 50 mm	un	33	882.099	8.174,607		97.736	906,088	998.451	9.253,977	997.549	9.245,573	961.191	8.907,213	80.292	744,024	1.505.974	10.541,818	2.827.637	19.793,459	62.425	429,975			1.060.300	7.422,100	783.482	5.484,374	80.247	561,730	1.838.687	12.870,801	1.813.496	12.694,472
6.6.9	Prueba hidráulica en tuberías	mt	728	6.937	5.050,136		8.769	6.383,832	6.302	4.587,856	6.296	4.583,488	7.508	5.465,824	5.143	3.744,104	7.070	5.146,960	30.417	22.143,576	5.792	4.216,212			8.200	5.969,600	15.683	11.417,224	7.449	5.423,018	7.664	5.579,392	12.708	9.251,424
7	**Tramo - Calle de Juan (Desde Calle Sargento Esteban Martinez hasta Teniente Moreno)**																																	
7.1	Excavación	m3	2.768	19.586	54.214,048		28.865	79.898,320	28.257	78.215,388	28.232	78.146,176	23.447	64.901,296	29.025	80.341,200	24.243	67.104,624	35.605	98.554,640	32.175	89.060,400			19.100	52.868,800	20.826	57.646,368	25.136	69.576,725	27.348	75.699,264	15.512	42.937,216
7.2	Embudo	m2	1.014	82.522	83.679,742		142.574	144.612,314	169.083	171.504,912	168.931

DESAGÜE PLUVIAL CUENCA MOLAS LÓPEZ

PLANILLA DE COMPUTO METRICO Y PRESUPUESTO ESTIMATIVO

CUENCA AVDA. MOLAS LÓPEZ

			COVIPA S.A		PROEL INGENIERIA		CONCRET MIX S.A.		TECSUL S.A.E		COMPAÑÍA DE CONSTRUCCIONES CMILES S.A.		CONSORCIO OyB		OCHO A S.A.		TECNODEIL S.A.		CONSORCIO PLUVIAL MOLAS LÓPEZ		SOCIEDAD CONSTRUCTORA CHACO S.A.		TOCSA S.A.		CONSORCIO PC		CONSORCIO CONTECO		EDB CONSTRUCCIONES		CONSORCIO CUENCA		CHAVES CONSTRUCCIONES	
8.4.2	Alcantarilla celular TRIPLE - ACT 1.6X1.80	m¹	127	8.643,645	1.097.742,915		11.067,048	1.405.515,096	7.536,742	965.927,964	7.606,029	965.965,556	8.154,531	1.035.625,437	13.843,033	1.758.065,191	9.072,279	1.152.179,433	9.249,376	1.174.670,752	8.638,597	1.097.101,783	9.462,800	1.201.775,600	12.623,161	1.603.141,447	9.678,662	1.229.190,125	10.168,112	1.291.350,224	10.258,962	1.302.888,174
8.4.3	Tubería de HoAo de Ø 800 mm	m¹	20	940,503	18.810,060		815,623	16.312,460	832,747	16.654,940	831,995	16.639,900	1.144,605	22.892,100	855,032	17.100,640	676,523	13.530,460	602,026	12.040,520	1.238,541	24.770,819	664,500	13.290,000	1.283,103	25.662,060	731,026	14.620,518	1.021,211	20.424,220	1.149,508	22.990,160
8.4.4	Sumideros de 2 boca - SM2	un	6	10.439,363	62.636,178		11.887,774	71.206,644	12.860,220	77.161,320	12.848,526	77.091,156	5.370,346	32.222,076	10.367,698	62.206,188	13.930,733	83.584,398	15.415,579	92.493,474	9.595,954	57.575,723	6.302,500	37.815,000	3.004,012	18.024,072	13.423,322	80.539,932	8.274,278	49.645,668	15.916,354	95.498,124
8.4.5	Registro doble T1	un	2	45.003,177	90.006,354		49.774,376	100.233,386	49.774,376	99.548,752	49.757,611	99.515,222	39.522,483	79.044,966	56.874,565	113.749,130	36.937,538	73.875,076	50.304,084	100.608,168	58.290,679	116.581,358	50.896,500	101.793,000	54.312,494	108.624,988	38.831,953	77.663,905	54.065,213	108.130,426	36.858,600	73.717,212
	8.5 Readecuación de la red de agua corriente																																	
8.5.1	Remoción y reposición de empedrado	m2	400	42.715	17.086,000		66.906	26.762,400	54.502	21.800,800	54.452	21.780,800	45.045	18.018,000	59.417	23.766,800	93.722	37.488,800	76.528	30.611,200	68.597	27.438,840	89.400	35.760,000	41.430	16.572,000	57.946	23.178,320	47.428	18.971,200	63.674	25.469,600
8.5.2	Excavación	m3	560	19.586	10.968,160		28.865	16.164,400	28.257	15.823,920	28.232	15.809,920	23.447	13.130,320	29.026	16.254,560	24.243	13.576,080	35.605	19.938,800	32.175	18.018,000	19.100	10.696,000	20.826	11.662,560	25.136	14.076,216	27.348	15.314,880	15.512	8.686,720
8.5.3	Remoción y reposición de veredas con contrapiso	m2	160	115.034	18.405,440		200.918	32.146,880	153.627	24.580,320	153.592	24.574,720	105.377	16.860,320	135.712	21.713,920	140.286	22.445,760	147.415	23.586,400	99.100	15.856,027	140.700	22.512,000	106.272	17.003,520	155.541	24.886,576	111.527	17.844,320	135.398	21.663,680
8.5.4	Asiento y relleno de material arenoso	m3	15	19.895	4.787,720		116.027	6.497,512	69.990	3.919,440	69.927	3.915,912	75.537	4.230,072	77.263	4.326,728	86.929	4.868,024	75.007	4.200,392	98.865	5.536,440	214.600	12.017,600	73.306	4.105,136	88.162	4.937,055	79.224	4.436,544	74.933	4.196,248
8.5.5	En PEAD de diámetro 2" incluido accesorios	m	50	39.706	19.853,000		44.679	22.339,500	37.627	18.813,500	37.593	18.796,500	32.104	16.052,000	27.962	13.981,000	57.268	28.634,000	40.247	20.123,500	32.175	16.087,500	36.100	18.050,000	51.512	25.756,000	39.958	19.978,750	35.863	17.931,500	42.077	21.038,500
8.5.6	En PEAD de diámetro 3/4" (mangueras) incluido accesorios	un	200	11.486	2.297,200		20.688	4.137,600	17.980	3.596,000	17.964	3.592,800	18.070	3.614,000	13.373	2.674,800	36.306	7.261,200	22.240	4.448,000	44.461	8.892,234	28.200	5.640,000	24.561	4.912,000	21.611	4.322,120	20.606	4.121,200	14.472	2.894,400
8.5.7	Válvula 50 mm	un	6	882.099	5.292,594		97.736	586.416	998.451	5.990,706	997.549	5.985,294	961.191	5.767,146	80.292	481,752	1.505,974	9.035,844	2.827,637	16.965,822	61.425	368,550	1.060,300	6.361,800	783.482	4.700,892	80.247	481,483	1.838,687	11.032,122	1.813,496	10.880,976
8.5.8	Prueba hidráulica en tuberías	m²	700	6.937	4.855,900		8.769	6.138,300	6.302	4.411,400	6.296	4.407,200	7.508	5.255,600	5.142	3.599,400	7.070	4.949,000	30.417	21.291,900	5.792	4.054,050	8.200	5.740,000	15.683	10.978,100	7.449	5.214,440	9.525	6.667,500	12.708	8.895,600
	8.6 Pavimento																																	
8.6.1	Levantamiento y reposición de tapas de registros cloacales	un	3	817.412	2.452,236		898.504	2.695,512	884.470	2.653,410	883.671	2.651,013	802.725	2.408,175	1.010.516	3.031,548	964.314	2.892,942	319.809	959,427	1.016.147	3.048,442	423.400	1.270,200	721.700	2.165,100	858.607	2.575,822	616.572	1.849,716	691.169	2.073,507
8.6.2	Remoción de cordones	m	50	9.378	4.689,000		28.697	14.348,500	11.810	5.905,000	11.799	5.899,500	10.973	5.486,500	19.513	9.756,500	11.219	5.609,500	12.461	6.230,500	10.811	5.405,400	13.600	6.800,000	12.343	6.171,500	24.786	12.393,150	13.102	6.551,000	16.632	8.316,000
8.6.3	Cordón prefabricado 0.10X0.50-FCk=210 kg/cm2	m	500	55.373	27.686,500		83.060	41.530,000	64.602	32.301,000	64.602	32.301,000	50.820	25.410,000	65.404	32.702,000	72.399	36.199,500	101.603	50.801,500	77.922	38.961,000	61.100	30.550,000	66.187	33.093,500	69.150	34.575,200	57.245	28.622,500	81.398	40.699,000
8.6.4	Remoción de piedra	m3	10	19.895	2.213,700		24.605	4.827,400	11.172	2.200,884	11.162	2.198,914	13.860	2.730,420	12.762	2.514,114	11.219	2.210,143	13.521	2.663,637	12.222	2.408,334	24.200	4.767,400	20.446	4.026,962	21.403	4.216,332	13.841	2.726,677	15.609	3.074,973
8.6.5	Base estabilizada con rechazo de cantera e=0.30 m	m3	688	190.271	130.908,448		180.097	123.906,736	94.808	65.227,904	94.722	65.168,736	160.314	110.296,032	236.625	162.798,000	198.361	136.472,368	139.279	95.823,952	81.871	56.327,076	127.500	87.720,000	131.876	90.730,688	166.980	114.882,240	129.162	88.853,456	292.005	200.899,440
8.6.6	Riego de liga - imprimación	lts	917	5.261	4.823,237		7.646	7.006,282	8.460	7.753,620	8.460	7.753,620	6.928	6.348,213	6.928	6.348,213	7.714,294	7.067,103	7.798	7.145,283	9.539	8.739,185	8.200	7.513,333	4.848	4.441,333	7.094	6.497,033	8.428	7.722,333	7.343	6.727,333
8.6.7	Revalarización asfáltica - tasa 60 kg/m²	m²	12	640.574	7.686,888		675.554	8.106,648	675.893	8.110,716	675.282	8.103,384	614.460	7.373,520	651.440	7.817,280	526,793	6.069,516	599.057	7.188,684	640.924	7.691,084	793.700	9.524,400	686.476	8.237,712	559.127	6.709,520	532,875	6.394,500	666,093	7.993,116
8.6.8	Carpeta con hormigón asfáltico en caliente tasa 100 kg/m2	tn	20	640.574	12.811,480		676.328	13.526,560	674.699	13.493,980	674.090	13.481,800	635.250	12.705,000	625.545	12.510,900	528.477	10.569,540	587.980	11.759,600	640.924	12.818,473	747.600	14.952,000	677.593	13.551,860	562.951	11.259,028	551.992	11.039,840	666.095	13.321,900
	TRAMO - DESCARGA EN R38 (Desde calle Domingo Portillo hasta Avda. Molas López)																																	
9.1	Excavación	m3	1.108	19.586	21.701,288		28.865	31.982,420	28.257	31.308,756	28.232	31.281,056	23.447	25.979,276	29.025	32.159,700	24.243	26.861,244	35.605	39.450,340	32.175	35.649,900	19.100	21.162,800	20.826	23.075,208	25.136	27.850,799	27.348	30.301,584	15.512	17.187,296
9.2	Entibado	m2	464	82.522	38.290,208		142.574	66.154,336	169.083	78.454,512	168.931	78.383,984	120.698	56.003,872	134.929	62.607,056	143.099	66.397,936	253.210	117.489,440	127.057	58.954,596	117.300	54.427,200	31.011	14.389,104	127.668	59.238,045	131.916	61.209,024	67.790	31.454,560
	9.3 Relleno y compactación																																	
9.3.1	Relleno de alcantarilla Fck=150 (NER LAMINA ML-ST-001)	m3	100	923.637	92.363,700		1.127.545	112.754,500	884.645	88.464,500	886.222	88.622,200	986.370	98.637,000	900.035	90.003,500	968.641	96.864,100	942.095	94.209,500	1.030.360	103.036,000	1.018.700	101.870,000	983.242	98.324,200	922.791	92.279,100	1.004.166	100.416,600	42.809,500	
9.3.2	Base compactada con rechazo de cantera e=0.30 m	m3	61	190.271	11.606,531		180.097	10.985,917	94.808	5.783,288	94.722	5.778,042	123.585	7.538,685	107.014	6.527,854	198.361	12.100,021	139.849	8.530,789	201.355	12.282,634	127.500	7.777,500	131.876	8.044,436	166.980	10.185,780	129.162	7.878,882	292.005	17.812,305
9.3.3	Relleno compactado con rechazo de cantera	m3	183	194.291	35.556,753		180.097	32.951,751	94.808	17.349,864	94.722	17.334,126	123.585	22.616,055	107.014	19.583,013	198.361	36.302,063	151.370	27.700,710	201.355	36.847,965	137.500	25.162,500	131.876	24.137,208	166.743	30.530,676	127.145	23.267,535	292.005	53.436,915
9.3.4	Relleno de material excedente y limpieza final	m3	1.126	34.575	3.893,140		52.984	59.659,984	31.990	36.020,740	1.126	1.267,876	40.599	45.714,474	24.909	28.047,534	45.027	50.700,402	43.964	49.503,464	41.108	46.287,552	26.700	30.064,200	38.731	43.611,106	46.416	52.263,966	43.082	48.510,332	26.412	29.739,912
	9.4 Desagüe Pluvial																																	
9.4.1	Alcantarilla celular simple - ACS 1.00X1.00	m²	406	2.418.154	981.770,524		2.607,809	1.058.770,454	2.016,106	818.539,036	2.015,767	818.401,402	2.620,002	1.063.720,812	2.857,876	1.160.297,656	2.065,974	838.785,444	2.216,707	899.983,042	2.332,889	947.152,828	3.546,800	1.440.000,800	2.531,503	1.027.790,218	2.354,285	955.839,669	3.281,275	1.332.197,650	1.912,184	776.346,704
9.4.2	Sumideros de 2 boca - SM2	un	8	10.439,363	83.514,904		11.887,774	94.942,192	12.860,220	102.881,760	12.848,526	102.788,208	5.370,346	42.962,768	10.367,722	82.941,776	13.930,733	111.445,864	15.415,579	123.324,632	5.363,954	43.071,631	6.302,500	50.420,000	3.004,012	24.032,096	13.423,322	107.386,576	8.274,278	66.194,224	15.916,354	127.330,832
9.4.3	Registro doble T1	un	2	45.003,177	90.006,354		49.774,376	99.548,752	49.774,376	99.548,752	49.757,611	99.515,222	46.391,589	92.783,178	26.201,181	52.402,362	36.937,538	73.875,076	50.304,084	100.608,168	58.290,679	116.581,358	36.602,500	73.205,000	54.312,494	108.624,988	38.831,953	77.663,905	54.065,213	108.130,426	38.892,906	77.785,812
9.4.4	Tubería de Ho de Ø 600 mm	m¹	48	687.398	32.995,104		527.866	25.337,568	484.487	23.255,376	484.050	23.234,400	711.480	34.151,040	560.424	26.900,352	442.773	21.253,104	497.094	23.860,512	897.554	43.082,582	420.900	20.203,200	1.020.828	48.999,744	468.257	22.476,326	734.285	35.245,680	681.872	32.729,856
9.4.5	Tubería de HoAo de Ø 800 mm	m¹	14	940,503	13.167,042		815,623	11.418,722	832,747	11.658,458	831,995	11.647,930	1.144,605	16.024,470	855,032	11.970,448	676,523	9.471,322	602,026	8.428,364	1.238,541	17.339,573	664,500	9.303,000	1.283,103	17.963,442	731,026	10.234,363	1.021,211	14.296,954	1.149,508	16.093,112
	9.5 Readecuación del desagüe cloacal																																	
9.5.1	Remoción y reposición de veredas con contrapiso	m2	156	115.034	17.945,304		200.918	31.343,208	153.627	23.965,812	153.592	23.960,352	105.377	16.438,812	135.712	21.171,072	140.286	21.884,616	147.415	22.996,740	99.100	15.459,627	140.700	21.949,200	106.272	16.578,432	155.541	24.264,412	111.527	17.398,212	135.398	21.122,088
9.5.2	Excavación	m3	234	19.586	4.583,124		28.865	6.754,410	28.257	6.612,138	28.232	6.606,288	23.447	5.486,598	29.026	6.792,084	24.243	5.672,862	35.605	8.331,570	32.175	7.528,950	19.100	4.469,400	20.826	4.873,284	25.136	5.881,847	76.581	17.919,954	15.512	3.629,808
9.5.3	Provisión y colocación de tuberías de PEAD de Ø 150 mm	m	200	102.911	20.582,200		124.151	24.830,200	101.212	20.242,400	101.121	20.224,200	105.076	21.015,200	88.822	17.764,400	79.540	15.908,000	72.422	14.484,400	92.214	18.442,710	105.300	21.060,000	109.913	21.982,600	105.687	21.137,380	54.426	10.885,200	96.307	19.261,400
9.5.4	Prov. y coloc. de ramales domiciliarios PVC Ø 100 mm	un	60	138.122	8.287,320		91.808	5.508,480	91.726	5.503,560	80.152	4.809,120	196.171	11.770,260	51.172	3.070,320	151.137	9.068,220	128.848	7.730,775	36.600	2.196,000	33.960	2.037,600	129.220	7.753,218	96.120	5.767,200	45.426	2.725,560		
9.5.5	Asiento de zanja para colectores	m3	16	82.073	1.313,168		116.027	1.856,432	120.385	1.926,160	120.276	1.924,416	80.850	1.293,600	77.259	1.236,144	367.325	5.877,200	95.610	1.529,760	98.865	1.581,840	106.000	1.696,000	117.199	1.875,184	99.373	1.589,966	79.224	1.267,584	74.933	1.198,928
9.5.6	Relleno y compactación de zanjas (en veredas)	m3	234	38.093	8.913,762		56.303	13.174,902	34.119	7.983,846	34.087	7.976,358	45.045	10.540,530	40.103	9.384,102	49.858	11.666,772	124.584	29.152,656	16.088	3.764,475	46.000	10.764,000	58.327	13.648,518	53.038	12.410,798	45.618	10.674,612	55.205	12.917,970
9.5.7	Construcción de Registros Cloacal con tapa triangular de HºP SEGUN DI AMOS	un	6	7.259,293	43.555,758		7.255,999	43.535,994	10.046,208	60.277,248	10.048,073	60.288,438	8.625,183	51.751,098	4.539,798	27.238,788	9.576,662	57.459,972	7.038,497	42.230,982	8.522,810	51.136,860	9.283,100	55.698,600	13.693,764	82.162,584	7.334,249	44.005,493	6.127,125	36.762,750	10.156,984	60.941,904
9.5.8	Prueba hidráulica en tuberías	m²	260	5.869	1.525,940		8.769	2.279,940	6.302	1.638,520	6.296	1.636,960	7.508	1.952,080	5.142	1.336,920	7.070	1.838,200	30.417	7.908,420	5.792	1.505,790	8.200	2.132,000	15.683	4.077,580	7.449	1.936,792	7.664	1.992,640	12.708	3.304,080
	9.6 Readecuación de la red de agua corriente																																	
9.6.1	Remoción y reposición de empedrado	m2	156	42.715	21.613,790		66.906	33.854,436	54.502	27.578,012	54.452	27.552,712	45.045	22.792,770	59.417	30.065,002	93.722	47.423,332	76.528	38.723,168	68.597	34.717,382	89.400	45.236,400	41.430	20.963,580	57.946	29.320,575	47.428	23.998,568	63.674	32.219,044
9.6.2	Excavación	m3	405	19.586	7.932,330		28.865	11.690,325	28.257	11.444,085	28.232	11.433,960	23.447	9.496,035	29.025	11.755,125	24.243	9.818,415	35.605	14.420,025	32.175	13.030,875	19.100	7.735,500	20.826	8.434,530	25.136	10.180,121	27.348	11.075,940	15.512	6.282,360
9.6.3	Remoción y reposición de veredas con contrapiso	m2	160	115.034	22.086,528		200.918	38.576,256	153.627	29.496,384	153.592	29.489,664	105.377	20.232,384	135.712	26.056,704	140.286	26.934,912	147.415	28.303,680	99.100	19.027,200	140.700	27.014,400	106.272	20.404,224	155.541	29.863,891	111.527	21.413,184	135.398	26.006,416
9.6.4	Asiento y relleno de material arenoso	m3	61	85.495	4.360,245		116.027	5.917,377	69.990	3.569,490	69.927	3.566,277	75.537	3.852,387	77.263	3.940,515	86.929	4.433,379	75.007	3.825,357	98.865	5.042,115	214.600	10.944,600	73.306	3.738,606	88.162	4.496,247	79.224	4.040,424	74.933	3.821,583
9.6.5	En PEAD de diámetro 2" incluido accesorios	m	50	39.706	19.853,000		44.679	22.339,500	37.627	18.813,500	37.593	18.796,500	32.104	16.052,000	27.962	13.981,000	57.268	28.634,000	40.247	20.123,500	32.175	16.087,500	36.100	18.050,000	51.512	25.756,000	39.958	19.978,750	35.863	17.931,500	42.077	21.038,500
9.6.6	En PVC de diámetro 100 mm incluido accesorios	m	610	108.506	66.188,660		100.746	61.455,060	47.815	29.167,150	47.772	29.140,920	51.277	31.278,970	85.083	51.900,630	58.648	35.775,280	53.895	32.875,950	94.466	57.624,138	36.600	22.326,000	33.960	20.715,600	81.051	49.441,293	40.842	24.913,620	78.571	47.928,310
9.6.7	En PEAD de diámetro 3/4" (mangueras) incluido accesorios	un	50	11.486	1.056,712		17.980	1.654,160	17.963	1.652,596	18.070	1.662,440	13.373	1.230,316	36.306	3.340,152	22.240	2.046,080	44.461	4.090,428	28.200	2.594,400	24.561	2.259,612	21.611	1.988,175	20.606	1.895,752	14.472	1.331,424		
9.6.8	En PEAD de diámetro 1" (mangueras) incluido accesorios	m	100	17.340	1.734,000		24.282	2.428,200	29.671	2.967,500	29.647	2.964,700	27.276	2.727,600	19.431	1.943,100	36.306	3.630,600	28.821	2.882,100	48.391	4.839,120	36.100	3.610,000	31.911	3.191,100	23.020	2.301,970	25.931	2.593,100	16.799	1.679,900
9.6.9	Válvula 50 mm	un	2	882.099	1.764,198		97.736	195,472	998.451	1.996,902	997.549	1.995,098	961.191	1.922,382	80.292	160,584	1.505,974	3.011,948	2.827,637	5.655,274	61.425	122,850	1.060,300	2.120,600	783.482	1.566,964	80.247	160,494	1.838,687	3.677,374	1.813,496	3.626,992
9.6.10	Válvula 100 mm	un	6	2.651,778	15.910,668		2.251,327	13.507,962	1.386,201	8.317,206	1.384,950	8.309,700	1.449,525	8.697,150	2.314,080	13.884,480	2.175,652	13.053,912	4.367,708	26.206,248	1.994,850	11.969,100	1.378,400	8.270,400	1.151,001	6.906,006	1.983,951	11.903,707	2.392,836	14.357,016	3.022,495	18.134,970
9.6.11	Prueba hidráulica en tuberías	m²	1.002	6.937	6.950,874		8.769	8.786,538	6.302	6.314,604	6.296	6.308,592	7.508	7.523,016	5.142	5.152,284	7.070	7.084,140	30.417	30.477,834	5.792	5.803,083	8.200	8.216,400	15.683	15.714,366	7.449	7.464,098	9.525	9.544,050	12.708	12.733,416
	10 TRAMO - DESCARGA EN R31 (Desde calle Dr. Manuel Peña hasta Avda. Molas López)																																	
10.1	Excavación	m3	1.278	19.586	25.030,908		28.865	36.889,470	28.257	36.112,446	28.232	36.080,496	23.447	29.965,266	29.025	37.093,950	24.243	30.982,554	35.605	45.503,190	32.175	41.119,650	19.100	24.409,800	20.826	26.615,628	25.136	32.123,936	27.348	34.950,744	15.512	19.824,336
10.2	Entibado	m²	523	82.522	43.159,006		142.574	74.566,202	169.083	88.430,409	168.931	88.350,913	120.698	63.125,054	134.929	70.567,867	143.099	74.840,777	253.210	132.428,830	127.057	66.450,978	117.300	61.347,900	31.011	16.218,753	127.668	66.770,469	131.916	68.992,068	67.790	35.454,170
	10.3 Relleno y compactación																																	
10.3.1	Relleno de alcantarilla Fck=150 (NER LAMINA ML-ST-001)	m3	73	923.637	67.425,501		1.127.545	82.310,785	884.645	64.579,085	886.222	64.694,206	986.370	72.005,010	900.035	65.702,555	968.641	70.710,793	942.095	68.772,935	1.030.360	45.997,299	1.018.700	74.365,100	983.242	71.776,666	922.791	67.363,750	1.004.166	73.304,118	42.809,050	31.250,935
10.3.2	Base compactada con rechazo de cantera e=0.30 m	m3	143	190.271	27.208,753		180.097	25.753,871	94.808	13.557,544	94.722	13.545,246	123.585	17.673,555	107.014	15.302,067	198.361	28.365,623	139.849	19.998,407	201.355	28.793,716	127.500	18.232,500	131.876	18.858,268	166.980	23.878,140	129.162	18.470,188	292.005	41.756,715
10.3.3	Relleno compactado con rechazo de cantera	m3	1.360	194.291	264.235,760		180.097	244.931,192	31.990	43.510,640	1.126	1.531,436	40.599	55.214,664	24.909	33.873,024	45.027	61.236,972	43.964	59.787,904	41.108	55.910,288	26.700	36.312,000	38.731	52.677,016	46.416	63.117,696	43.082	58.591,952	26.412	35.923,632
	10.4 Desagüe Pluvial																																	
10.4.1	Alcantarilla celular simple - ACS 1.00X1.00	m²	458	2.418.154	1.107.514,532		2.607,809	1.194.376,522	2.016,106	923.376,548	2.015,767	923.221,286	2.620,002	1.199.960,916	2.857,876	1.308.907,208	2.065,974	946.216,092	2.216,707	1.015.251,806	2.332,889	1.068.463,043	3.546,800	1.624.434,400	2.531,503	1.159.428,374	2.354,285	1.078.262,484	3.281,275	1.502.823,950	1.912,184	875.780,272
10.4.2	Sumideros de 2 boca - SM2	un	10	10.439,363	104.393,630		11.887,774	118.677,740	12.860,220	128.602,200	12.848,526	128.485,260	5.370,346	53.703,460	10.367,698	103.676,980	13.930,733	139.307,330	15.415,579	154.155,790	9.595,954	95.959,539	6.302,500	63.025,000	3.004,012	30.040,120	13.423,322	134.233,220	8.274,278	82.742,780	15.916,354	159.163,540
10.4.3	Registro doble T1	un	2	45.003,177	90.006,354		49.774,376	99.548,752	49.774,376	99.548,752	49.757,611	99.515,222	46.391,589	92.783,178	26.201,181	52.402,362	36.937,538	73.875,076	50.304,084	100.608,168	58.290,679	116.581,358	36.602,500	73.205,000	54.312,494	108.624,988	38.831,953	77.663,905	54.065,213	108.130,426	38.892,906	77.785,812
10.4.4	Tubería de Ho de Ø 600 mm	m¹	48	687.398	32.995,104		527.866	25.337,568	484.487	23.255,376	484.050	23.234,400	711.480	34.151,040	560.424	26.900,352	442.773	21.253,104	497.094	23.860,512	897.554	43.082,582	420.900	20.203,200	1.020.828	48.999,744	468.257	22.476,326	734.285	35.245,680	681.872	32.729,856
10.4.5	Tubería de HoAo de Ø 800 mm	m¹	25	940,503	23.512,575		815,623	20.390,575	832,747	20.818,675	831,995	20.799,875	1.144,605	28.615,125	855,032	21.375,800	676,523	16.913,075	602,026	15.050,650	1.238,541	30.963,525	664,500	16.612,500	1.283,103	32.077,575	731,026	18.275,648	1.021,211	25.530,275	1.149,508	28.737,700
	10.5 Readecuación del desagüe cloacal																																	
10.5.1	Remoción y reposición de veredas con contrapiso	m2	156	115.034	17.945,304		200.918	31.343,208	153.627	23.965,812	153.592	23.960,352	105.377	16.438,812	135.712	21.171,072	140.286	21.884,616	147.415	22.996,740	99.100	15.459,627	140.700	21.949,200	106.272	16.578,432	155.541	24.264,412	111.527	17.398,212	135.398	21.122,088
10.5.2	Excavación	m3	234	19.586	4.583,124		28.865	6.754,410	28.257	6.612,138	28.232	6.606,288	23.447	5.486,598	29.026	6.792,084	24.243	5.672,862	35.605	8.331,570	32.175	7.528,950	19.100	4.469,400	20.826	4.873,284	25.136	5.881,847	76.581	17.919,954	15.512	3.629,808
10.5.3	Provisión y colocación de tuberías de PEAD de Ø 150 mm	m	200	102.911	20.582,200		124.151	24.830,200	101.212	20.242,400	101.121	20.224,200	105.076	21.015,200	88.822

DESAGÜE PLUVIAL CUENCA MOLAS LÓPEZ

PLANILLA DE COMPUTO METRICO Y PRESUPUESTO ESTIMATIVO

CUENCA AVDA. MOLAS LÓPEZ

				COVIPA S.A		PROEL INGENERIA		CONCRET MIX S.A.		TECSUL S.A.E		COMPAÑÍA DE CONSTRUCCIONES CIVILES S.A.		CONSORCIO OyB		OCHO A S.A.	
11.8.2	Regularización asfáltica - tasa 60 kg/m2	tn	710	640.574	454.807.540			675.554	479.643.340	675.893	479.884.030	675.292	479.450.220	614.460	436.266.600	651.444	462.525.240
11.8.3	Carpeta con hormigón asfáltico en caliente e=5 cm	tn	1.478	640.574	946.768.372			665.184	983.141.952	674.699	997.205.122	674.090	996.305.020	635.250	938.899.500	625.562	924.580.636
11.9	Varios																
11.9.1	Señalización horizontal con pintura termoplástica	m2	2.280	113.000	257.660.520			144.490	329.437.200	92.353	210.587.640	92.279	210.396.120	92.400	210.672.000	81.816	186.526.850
11.9.2	Señalización vertical - cartelería reglamentaria y preventiva 60x60	un	152	556.490	84.586.480			690.343	104.932.136	1.591.473	241.903.896	1.590.036	241.685.472	600.600	91.291.200	471.378	71.649.456
11.9.3	Cajas de Pozo	un	3	2.811.576	8.434.728			4.080.523	12.241.569	3.482.406	10.447.218	3.479.262	10.437.786	3.678.457	11.035.371	3.760.380	11.281.140
TOTAL GUARANÍES LOTE 2					**38.443.510.469**		**31.866.428.106**		**47.001.616.848**		**35.941.316.860**		**35.932.632.615**		**40.994.500.002**		**44.907.970.197**

				CONSORCIO PLUVIAL MOLAS LÓPEZ		SOCIEDAD CONSTRUCTORA CHACO S.A.		TOCSA S.A.		CONSORCIO PC		CONSORCIO CONTECO		EDB CONSTRUCCIONES		CONSORCIO CUENCA		CHAVES CONSTRUCCIONES	
11.8.2	Regularización asfáltica - tasa 60 kg/m2	tn	710	505.793	359.113.030	599.057	425.330.470	640.924	455.055.799			793.700	563.527.000	686.476	487.397.960	559.127	396.979.957	532.875	378.341.250	666.093	472.926.030
11.8.3	Carpeta con hormigón asfáltico en caliente e=5 cm	tn	1.478	528.477	781.089.006	563.463	832.798.314	640.924	947.285.169			747.600	1.104.952.800	677.593	1.001.482.454	562.951	832.042.169	551.992	815.844.176	666.095	984.488.410
11.9	Varios																				
11.9.1	Señalización horizontal con pintura termoplástica	m2	2.280	122.098	278.383.440	109.980	250.754.400	96.525	220.077.000			97.100	221.388.000	124.531	283.930.680	123.344	281.224.548	96.298	219.559.440	140.888	321.206.400
11.9.2	Señalización vertical - cartelería reglamentaria y preventiva 60x60	un	152	720.343	117.091.832	843.697	128.241.944	631.800	96.033.600			710.400	107.980.800	1.372.879	208.677.608	745.600	113.361.600	802.878	122.037.456	863.938	131.318.576
11.9.3	Cajas de Pozo	un	3	3.559.907	10.679.721	4.006.655	12.019.965	3.217.500	9.652.500			2.429.200	7.287.600	5.613.008	16.839.024	3.446.499	10.339.497	7.955.858	23.867.574	4.066.784	12.200.352
TOTAL GUARANÍES LOTE 2					**41.919.832.054**		**45.303.123.120**		**44.705.914.642**		**49.630.762.262**		**41.542.969.800**		**39.414.302.381**		**41.815.952.554**		**41.361.527.071**		**41.638.786.190**