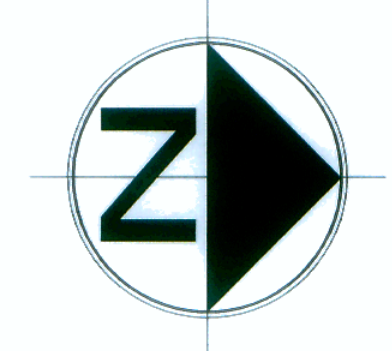


**BOTADERO 2**  
33+380  
POTENCIA NETA=20,239.60 m3

**PLANTA**  
ESC : 1/20000

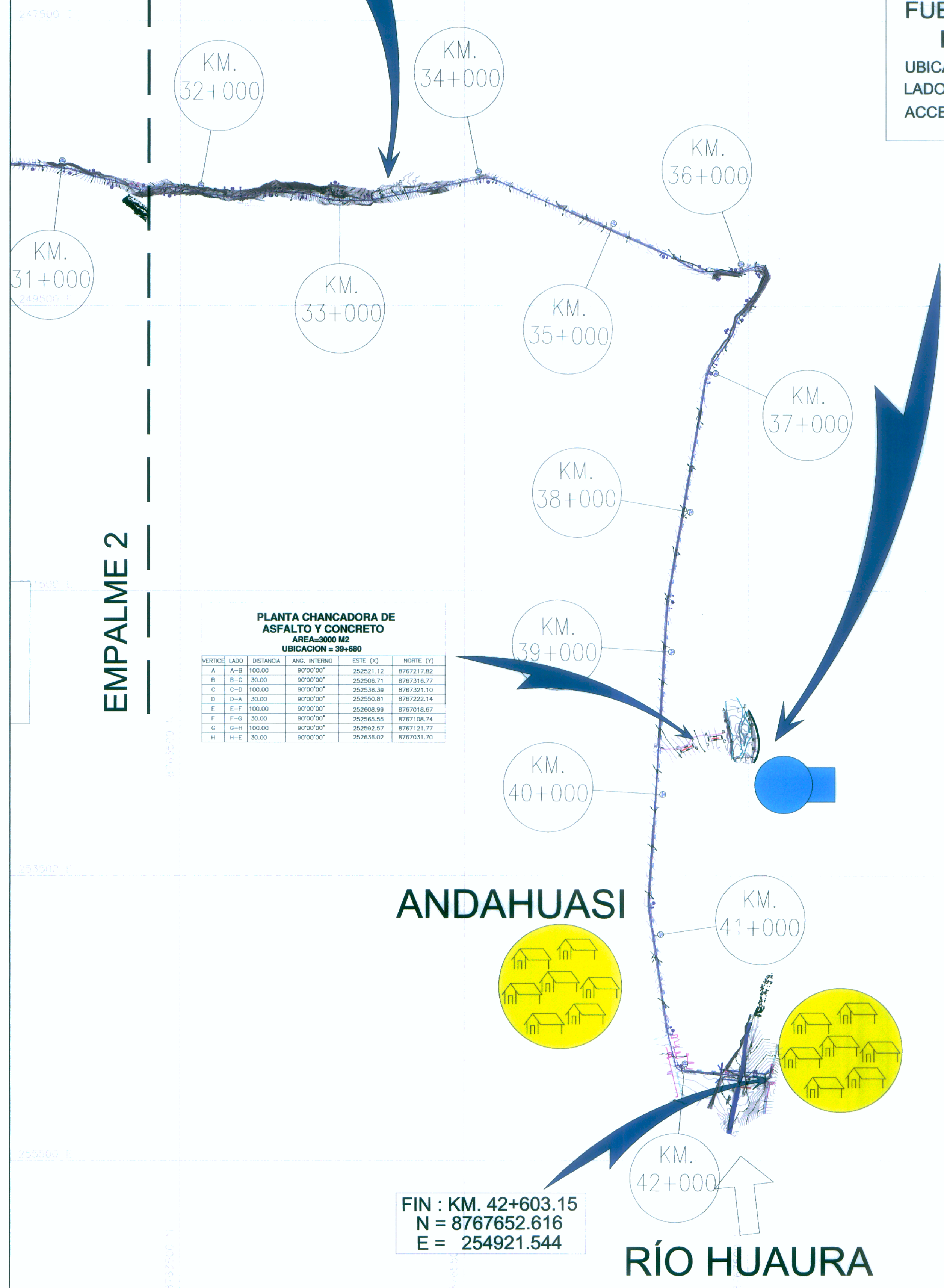


**CANTERA Y FUENTE DE AGUA RIO HUAURA**  
UBICACIÓN: Km. 39+680.00  
LADO IZQUIERDO  
ACCESO 580 m.

**CANTERA Y FUENTE DE AGUA RIO HUAURA**

UBICACIÓN : Km. 39+680  
ACCESO : LADO IZQUIERDO 580 m.  
PERIODO DE EXPLOTACIÓN : ABRIL - DICIEMBRE  
PROPIETARIO : MUNIC. PROV. DE SAYÁN  
ÁREA DE CANTERA : 50,759.08 m2  
POTENCIA NETA : 109,365.00 m3

USOS	TRATAMIENTO	RENDIMIENTO
BASE GRANULAR	ZARANDEADO TRITURADO Y MEZCLADO	97%
SUBBASE GRANULAR	ZARANDEADO	85%
CONCRETO DE CEMENTO PORTLAND	ZARANDEADO TRITUR. f <sub>c</sub> >210kg/cm2 MEZCLADO	97%
MEZCLA ASFÁLTICA EN CALIENTE	ZARANDEADO TRITURADO Y MEZCLADO	97%
RELLENO ACCESOS	NATURAL	100%
FILTRO	ZARANDEO	70%
ARENA FINA	ZARANDEO	70%



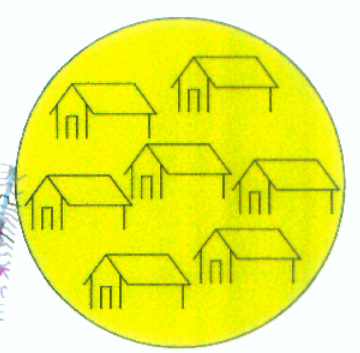
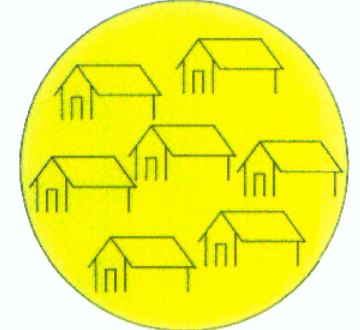
**PLANTA CHANCADORA DE ASFALTO Y CONCRETO**  
ÁREA=3000 M2  
UBICACIÓN = 39+680

VERTICE	LADO	DISTANCIA	ANG. INTERNO	ESTE (X)	NORTE (Y)
A	A-B	100.00	90°00'00"	252521.12	8767217.82
B	B-C	30.00	90°00'00"	252506.71	8767316.77
C	C-D	100.00	90°00'00"	252536.36	8767321.10
D	D-A	30.00	90°00'00"	252520.81	8767225.14
E	E-F	100.00	90°00'00"	252508.99	8767018.67
F	F-G	30.00	90°00'00"	252565.55	8767108.74
G	G-H	100.00	90°00'00"	252592.57	8767121.77
H	H-E	30.00	90°00'00"	252576.02	8767031.70

**CUADRO DE COORDENADAS Y ELEMENTOS DE CURVA**

No. PI	ANGULO	S	RADIO	PI	PC	PT	T	LC	EXT.	NORTE	ESTE	P%	S.A
67	20° 03' 36.93"	D	250.00	31+786.57	31+742.36	31+829.88	44.22	87.53	3.88	8,763,423.816	248,659.767	5.00	0.50
68	21° 09' 34.78"	I	350.00	32+235.10	32+169.73	32+298.98	65.37	129.26	6.05	8,763,866.027	248,740.019	4.50	0.40
69	14° 36' 34.48"	D	300.00	32+502.87	32+464.42	32+540.91	38.46	76.50	2.45	8,764,130.455	248,689.225	5.00	0.50
70	10° 28' 17.41"	D	300.00	32+735.46	32+707.97	32+762.80	27.49	54.83	1.26	8,764,362.961	248,704.407	5.00	0.50
71	14° 14' 42.00"	I	300.00	32+950.76	32+913.28	32+987.86	37.49	74.59	2.33	8,764,571.828	248,757.287	5.00	0.50
72	11° 04' 43.28"	I	300.00	33+203.57	33+174.48	33+232.48	29.09	58.01	1.41	8,764,825.023	248,757.121	4.50	0.50
73	34° 34' 32.00"	D	200.00	34+065.31	34+003.06	34+123.76	62.25	120.69	9.46	8,765,670.773	248,590.943	6.00	0.60
74	5° 27' 21.19"	D	500.00	35+417.30	35+393.48	35+441.09	23.82	47.61	0.57	8,766,914.501	249,130.681	3.50	0.30
75	31° 19' 29.85"	I	200.00	35+684.68	35+628.60	35+737.94	56.08	109.34	7.71	8,767,148.573	249,259.977	6.00	0.60
76	10° 13' 47.78"	D	200.00	35+821.36	35+803.46	35+839.17	17.90	35.71	0.80	8,767,287.947	249,254.112	6.00	0.60
77	27° 33' 45.04"	I	150.00	35+947.05	35+910.26	35+982.42	36.79	72.16	4.45	8,767,412.556	249,271.226	6.50	0.80
78	139° 32' 23.06"	D	64.00	36+267.35	36+082.83	36+248.44	184.52	165.61	128.65	8,767,716.446	249,165.621	8.00	1.30
79	17° 59' 49.59"	D	200.00	36+444.18	36+412.50	36+475.33	31.67	62.82	2.49	8,767,521.697	249,492.216	6.00	0.60
80	32° 52' 06.42"	I	125.00	36+573.63	36+536.76	36+608.47	36.87	71.71	5.32	8,767,423.891	249,577.824	7.50	0.90
81	18° 05' 37.08"	D	125.00	36+694.72	36+674.81	36+714.29	19.90	39.47	1.57	8,767,390.088	249,696.207	7.50	0.90
82	24° 16' 18.70"	I	350.00	37+015.34	36+940.08	37+088.35	75.26	148.27	8.00	8,767,210.470	249,962.200	4.50	0.40
83	6° 12' 58.27"	I	800.00	38+647.14	38+603.70	38+690.49	43.44	86.79	1.18	8,766,933.517	251,572.610	2.00	-
84	11° 52' 30.47"	I	300.00	40+770.16	40+738.96	40+801.13	31.20	62.18	1.62	8,766,802.354	253,691.660	5.00	0.50
85	5° 13' 30.54"	I	500.00	41+676.26	41+653.45	41+699.05	22.81	45.60	0.52	8,766,933.709	254,588.423	3.50	0.30
86	71° 23' 16.22"	I	50.00	41+956.48	41+920.56	41+982.86	35.92	62.30	11.57	8,766,999.410	254,860.863	6.50	1.50
POT				42+262.95						8,767,314.191	254,888.701		
87	2° 20' 03.29"	I	500.00	42+497.07	42+486.89	42+507.26	10.19	20.37	0.10	8,767,547.289	254,910.790	2.00	
88	7° 58' 30.13"	D	200.00	42+566.59	42+552.64	42+580.48	13.94	27.84	0.49	8,767,616.685	254,914.524	3.50	0.50
POT				42+603.15						8,767,652.616	254,921.544		

**ANDAHUASI**



**LEYENDA**

PUENTE	
ZONAS URBANAS	
FUENTE DE AGUA	

FIN : KM. 42+603.15  
N = 8767652.616  
E = 254921.544

**RÍO HUAURA**