

CANtera "RIO ICCHU TRES TUNELES-PLANTA CHANCADORA"  
 KM 00+000  
 LADO IZQUIERDO

CUADRO DE COORDENADAS  
 PLANTA CHANCADORA

PUNTO	NORTE	ESTE
1	8585895	4957222
2	8585920	495694
3	8586021	495756
4	8586107	495790
5	8586078	495841
6	8586035	495838
7	8585984	495822

AREA= 13413.50m<sup>2</sup>  
 PERIMETRO= 537.60m

PLANTA CHANCADORA  
 AREA=13413.50 m<sup>2</sup>

AREA CANtera  
 92952.80 m<sup>2</sup>

CUADRO DE COORDENADA

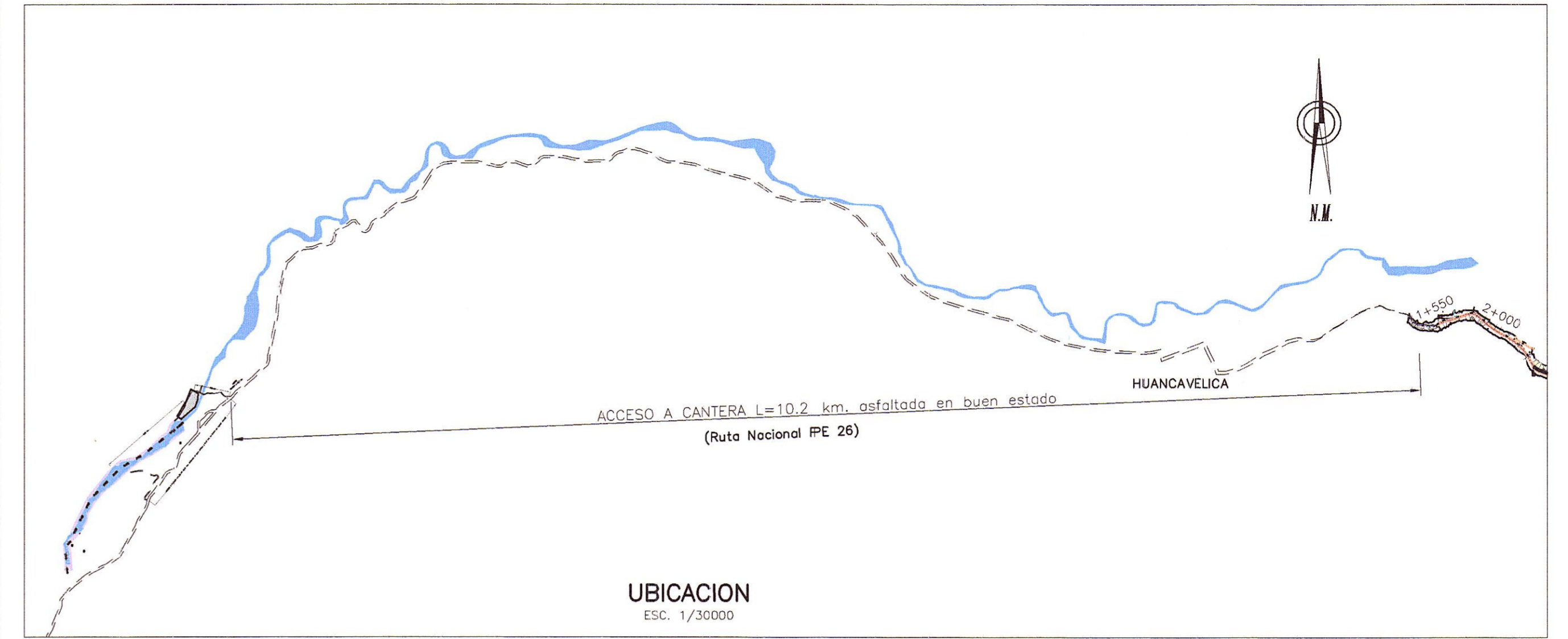
PUNTO	NORTE	ESTE
1	8584827.635	494903.527
2	8585014.279	494887.545
3	8585043.160	494911.368
4	8585116.676	494947.876
5	8585340.081	495056.350
6	8585529.308	495203.519
7	8585604.605	495282.008
8	8585636.963	495408.020
9	8585707.216	495505.676
10	8585780.409	495578.532
11	8585806.737	495618.994
12	8585866.901	495643.957
13	8585896.713	495681.354
14	8585815.507	495746.092
15	8585688.457	495584.912
16	8585643.181	495515.151
17	8585599.787	495427.385
18	8585577.691	495405.588
19	8585560.155	495375.972
20	8585437.471	495246.710
21	8585377.703	495170.675
22	8585306.432	495111.783
23	8585231.721	495067.948
24	8585165.461	495053.062
25	8585090.374	495006.377
26	8585015.618	494937.614
27	8584831.901	494933.350

CALCULO DE POTENCIA

PROGRESA	DISTANCIA (m)	AREA (m <sup>2</sup> )	(m <sup>3</sup> )
0	0.00	90.00	900.00
10	10.00	90.00	900.00
20	20.00	90.00	900.00
30	30.00	90.00	900.00
40	40.00	90.00	900.00
50	50.00	90.00	900.00
60	60.00	90.00	900.00
70	70.00	90.00	900.00
80	80.00	90.00	900.00
90	90.00	90.00	900.00
100	100.00	90.00	900.00
110	100.00	90.00	900.00
120	100.00	90.00	900.00
130	100.00	90.00	900.00
140	100.00	90.00	900.00
150	100.00	90.00	900.00
160	100.00	90.00	900.00
170	100.00	90.00	900.00
180	100.00	90.00	900.00
190	100.00	90.00	900.00
200	100.00	80.74	854.35
210	100.00	69.75	752.45
220	100.00	72.96	713.55
230	100.00	76.49	747.25
240	100.00	79.70	780.95
250	100.00	80.66	801.80
260	100.00	81.82	812.40
270	100.00	100.35	910.85
280	100.00	105.67	1030.10
290	100.00	109.19	1074.30
300	100.00	115.43	1123.10
310	100.00	117.12	1162.75
320	100.00	118.99	1180.55
330	100.00	121.41	1202.00
340	100.00	122.71	1220.60
350	100.00	124.57	1236.40
360	100.00	126.44	1255.05
370	100.00	128.30	1273.70
380	100.00	130.16	1292.30
390	100.00	131.84	1307.00
400	100.00	127.37	1293.05
410	100.00	123.11	1252.40
420	100.00	118.86	1209.85
430	100.00	114.60	1167.30
440	100.00	110.35	1124.75
450	100.00	106.09	1082.20
460	100.00	104.77	1054.30
470	100.00	106.17	1054.70
480	100.00	107.56	1060.65
490	100.00	108.96	1062.60
500	100.00	110.34	1096.50
510	100.00	111.73	1110.35
520	100.00	113.13	1124.30
530	100.00	114.53	1138.30
540	100.00	115.72	1151.25
550	100.00	119.93	1178.25
560	100.00	120.52	1202.25
570	100.00	119.26	1198.90
580	100.00	117.99	1186.25
590	100.00	118.38	1181.85
600	100.00	119.07	1187.25
610	100.00	119.61	1193.40
620	100.00	121.10	1203.55
630	100.00	120.98	1210.40
640	100.00	121.79	1213.85
650	100.00	124.97	1233.80
660	100.00	133.12	1290.45
670	100.00	135.30	1342.10
680	100.00	138.92	1371.10
690	100.00	142.70	1408.10
700	100.00	146.77	1447.35

CALCULO DE POTENCIA

PROGRESA	DISTANCIA (m)	AREA (m <sup>2</sup> )	(m <sup>3</sup> )
710	100.00	151.37	1490.70
720	100.00	155.72	1535.45
730	100.00	160.19	1579.55
740	100.00	164.60	1623.95
750	100.00	166.94	1657.70
760	100.00	169.50	1682.20
770	100.00	172.60	1710.50
780	100.00	173.46	1730.30
790	100.00	173.48	1734.70
800	100.00	173.56	1735.20
810	100.00	173.59	1735.75
820	100.00	173.64	1736.15
830	100.00	173.64	1736.40
840	100.00	173.79	1737.15
850	100.00	177.70	1757.45
860	100.00	177.75	1777.25
870	100.00	174.39	1760.70
880	100.00	165.11	1697.50
890	100.00	155.87	1604.90
900	100.00	146.63	1512.50
910	100.00	137.40	1420.15
920	100.00	128.15	1327.75
930	100.00	120.70	1244.25
940	100.00	115.49	1180.95
950	100.00	110.26	1128.75
960	100.00	105.31	1077.85
970	100.00	95.03	1001.70
980	100.00	85.00	900.15
990	100.00	75.12	800.60
1000	100.00	77.88	765.00
1010	100.00	80.86	793.70
1020	100.00	83.82	823.40
1030	100.00	86.79	853.05
1040	100.00	89.76	882.75
1050	100.00	93.40	915.80
1060	100.00	96.44	949.20
1070	100.00	99.46	979.50
1080	100.00	102.50	1009.80
1090	100.00	104.16	1033.30
1100	100.00	105.04	1046.00
1110	100.00	105.99	1054.65
1120	100.00	107.71	1068.00
1130	100.00	111.41	1095.60
1140	100.00	115.36	1133.85
1150	100.00	119.19	1172.75
1160	100.00	123.02	1211.05
1170	100.00	126.28	1246.50
1180	100.00	128.45	1273.65
1190	100.00	130.65	1295.50
1200	100.00	132.80	1317.25
1210	100.00	134.97	1338.85
1220	100.00	136.81	1359.90
1230	100.00	135.64	1362.25
1240	100.00	133.50	1345.70
1250	100.00	131.87	1326.85
1260	100.00	130.22	1310.45
1270	100.00	128.58	1294.00
1280	100.00	128.01	1322.95
1290	100.00	147.70	1428.55
1300	100.00	157.80	1527.50
1310	100.00	168.12	1629.60
1320	100.00	178.16	1731.40
1330	100.00	186.52	1823.40
1340	100.00	186.62	1865.70
1350	100.00	186.72	1866.70
1360	100.00	186.82	1867.70
1370	100.00	186.92	1868.70
1371.8	1.80	186.92	336.46



UBICACION  
 ESC. 1/30000

CANtera RIO ICCHU TRES TUNELES

UBICACION	: KM 00+000
ACCESO	: LADO IZQUIERDO
LONGITUD ACCESO	: 11,11 km. de concreto asfaltado (Ruta Nacional PE 26), y 0,42 km. de tracho que requiere mantenimiento, un total de 11,53 km de acceso
PERIODO DE EXPLOTACION	: MAYO A DICIEMBRE
PROPIETARIO	: POR DEFINIR
AREA CANtera	: 92952.80 m <sup>2</sup>
POTENCIA	: 167045.56 m <sup>3</sup>
POTENCIA NETA	: 167045.56 m <sup>3</sup>
VOLUMEN UTILIZABLE	: 167045.56 m <sup>3</sup>
VOLUMEN DESECHABLE	: 5,011.4 m <sup>3</sup>
EQUIPO DE EXPLOTACION	: CARGADOR FRONTAL, VOLQUETES Y EXCAVADORA
MATERIAL A EXPLOTARSE	: GRAVA - ARENA

USOS	TRATAMIENTO	RENDIMIENTO	INFLUENCIA
R, MSR	Z	85%	-
SB	Z	75%	-
B, MAC	Ts	97%	-
MCCP	Ts, L	97%	-

COORDENADAS DE CALICATAS

C - 1	495720.00	8585804.00
C - 2	495693.00	8585786.00
C - 3	495667.00	8585770.00
C - 4	495667.00	8585770.00
C - 5	495635.00	8585724.00
C - 6	495598.00	8585695.00
C - 7	495578.00	8585683.00
C - 8	495547.00	8585675.00
C - 9	495528.00	8585648.00
C - 10	495506.00	8585635.00
C - 11	495473.00	8585617.00
C - 12	495445.00	8585590.00
C - 13	495398.00	8585589.00
C - 14	495380.00	8585576.00
C - 15	495351.00	8585549.00
C - 16	495316.00	8585520.00
C - 17	495288.00	8585492.00
C - 18	495257.00	8585477.00
C - 19	495232.00	8585440.00
C - 20	495214.00	8585393.00
C - 21	495173.00	8585378.00
C - 22	495140.00	8585355.00
C - 23	495115.00	8585325.00
C - 24	495104.00	8585281.00
C - 25	495071.00	8585259.00
C - 26	495050.00	8585224.00
C - 27	495032.00	8585199.00

SIMBOLOGIA	LEYENDA
R	RELLENO
MSR	MEJORAMIENTO DE SUBRASANTE
SB	SUB BASE
BG	BASE GRANULAR
MACS	MEZCLA ASFALTICA EN CALIENTE DE SUPERFICIE
MCCP	MEZCLA DE CONCRETO CON CEMENTO PORTLAND
TSA	TRATAMIENTO SUPERFICIAL ASFALTICO
ENR	ENROCADO
N	NATURAL; ELIMINANDO PIEDRAS > 3"
V	VOLADURA
Z	ZARANDEO
Tp	TRITURACION PRIMARIA
Ts	TRITURACION SECUNDARIA
M	MELCLADO
F	FILLER
S	SECADO
A	ADITIVO MEJORADOR DE ADHERENCIA
L	LAVADO
C	CONCRETO > 140kg/cm <sup>2</sup>
OA	OBRAS DE ARTE

MATERIAL	EFICIENCIA
TM:	8"
Mat. > 6"	15%
Mat. 6" - 2"	10%
Mat. < 2"	75%

FOTO SATELITAL CANtera RIO ICCHU TRES TUNELES "KM 0+000"

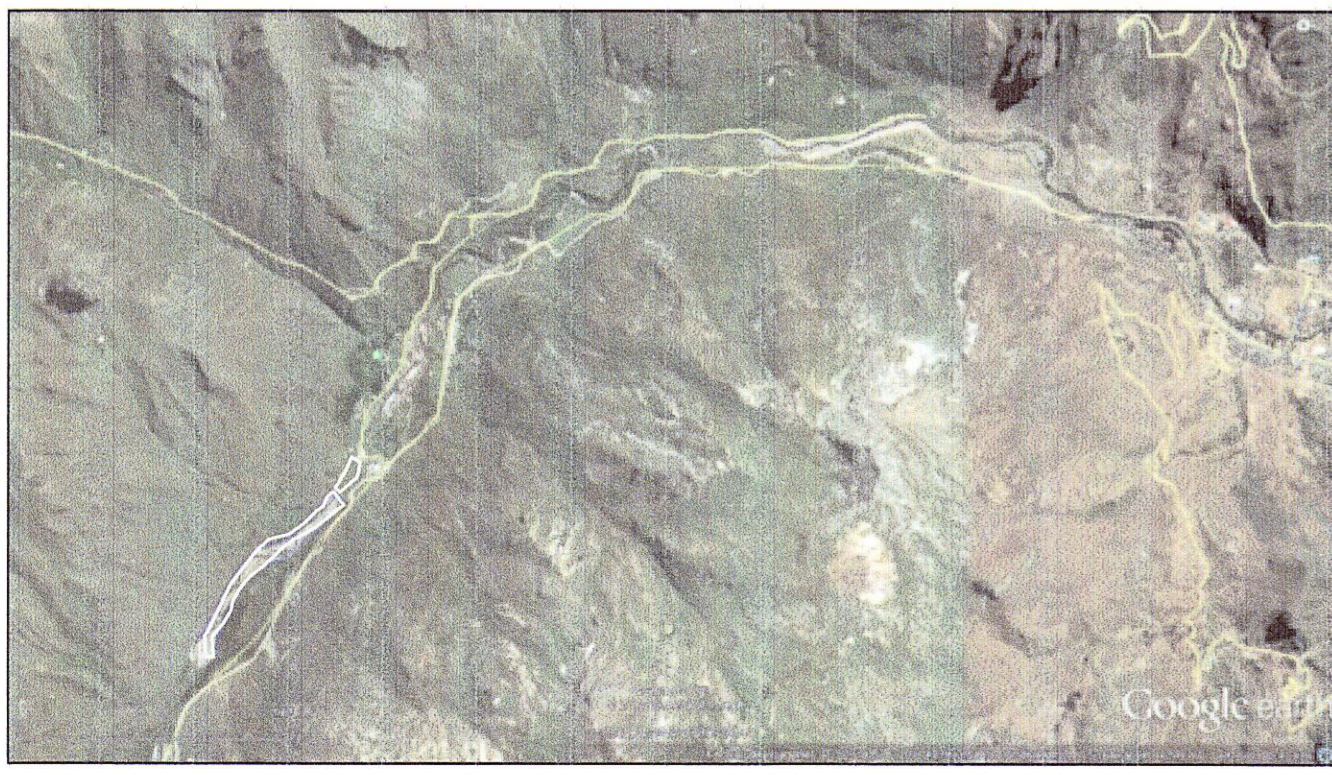
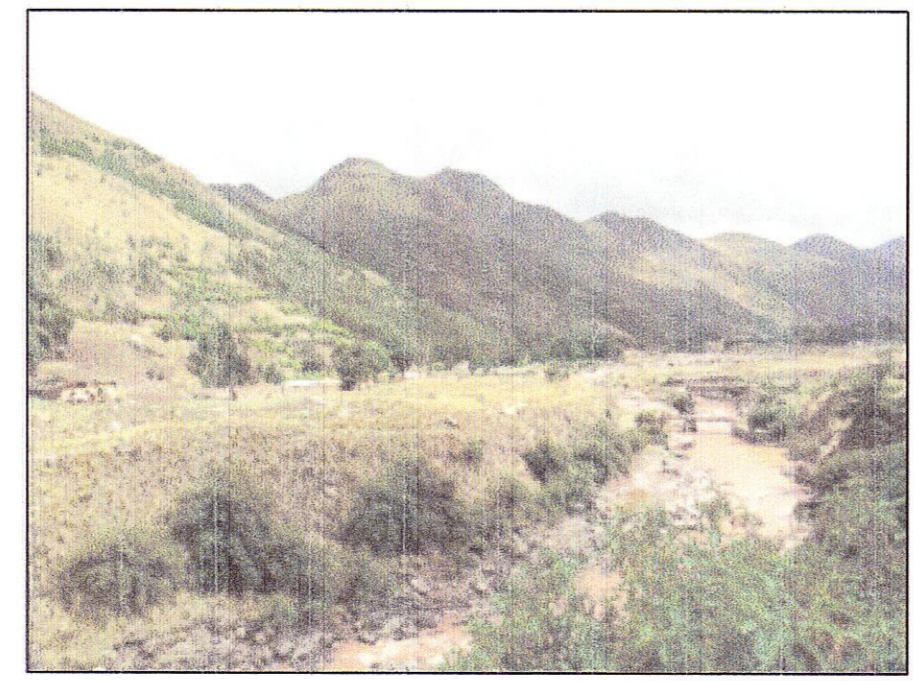


FOTO CANtera RIO ICCHU-PLANTA CHANCADORA



ACCESO	KM
PERIMETRO	2920.50 ML
AREA	92952.80 m <sup>2</sup>

HOB CONSULTORES S.A.  
 Ing. Ricardo Gonzalez  
 Exp. Estudios y Planificación  
 C.I. N° 1217

Ministerio de Transportes y Comunicaciones  
 Provias Nacional

Compañía de Minas Buena Ventura

HOB CONSULTORES S.A.  
 Calle Aguiada Blanca N° 102 - UIMA 33 - PERU  
 Telefono 715-8111 Fax: 715-8324  
 Email: hob@hobperu.com

Jefe Estudio: ING. CESAR GUEVARA  
 Especialista: ING. RICARDO GONZALEZ  
 Revisión:  
 Proceso y Ploteo: GER. ESTUDIOS-HOB

REVISIONES	
N°	