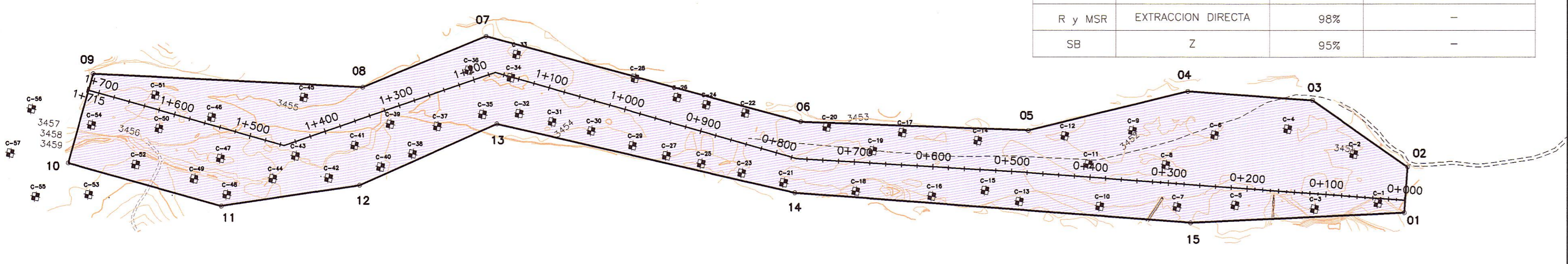
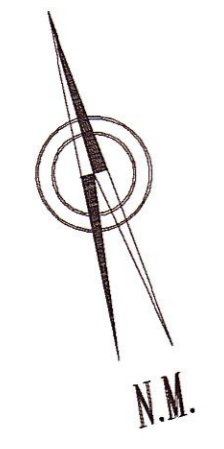


### CANtera "TUCSIPAMPA" KM 71+250 LADO DERECHO

### CANtera TUCSIPAMPA

UBICACION	: KM 71+250 LADO DERECHO
ACCESO	: trazo en regular estado, que requiere mantenimiento en el periodo de explotacion. (Ruta Departamental HV 116)
LONGITUD ACCESO EXISTENTE	: 5.52 Km.
PERIODO DE EXPLOTACION	: Mayo-Diciembre
PROPIETARIO	: por definir
AREA CANtera	: 200,393.60 m <sup>2</sup> .
POTENCIA	: 310,494.80 m <sup>3</sup>
POTENCIA NETA	: 310,494.80 m <sup>3</sup>
VOLUMEN UTILIZABLE	: 310,494.80 m <sup>3</sup>
VOLUMEN DESECHABLE	: 0.0 m <sup>3</sup>
EQUIPO DE EXPLOTACION	: cargador frontal, volquete, y escavadora
MATERIA A EXPLOTARSE	: Grava y Arena

USOS	TRATAMIENTO	RENDIMIENTO	INFLUENCIA
R y MSR	EXTRACCION DIRECTA	98%	-
SB	Z	95%	-

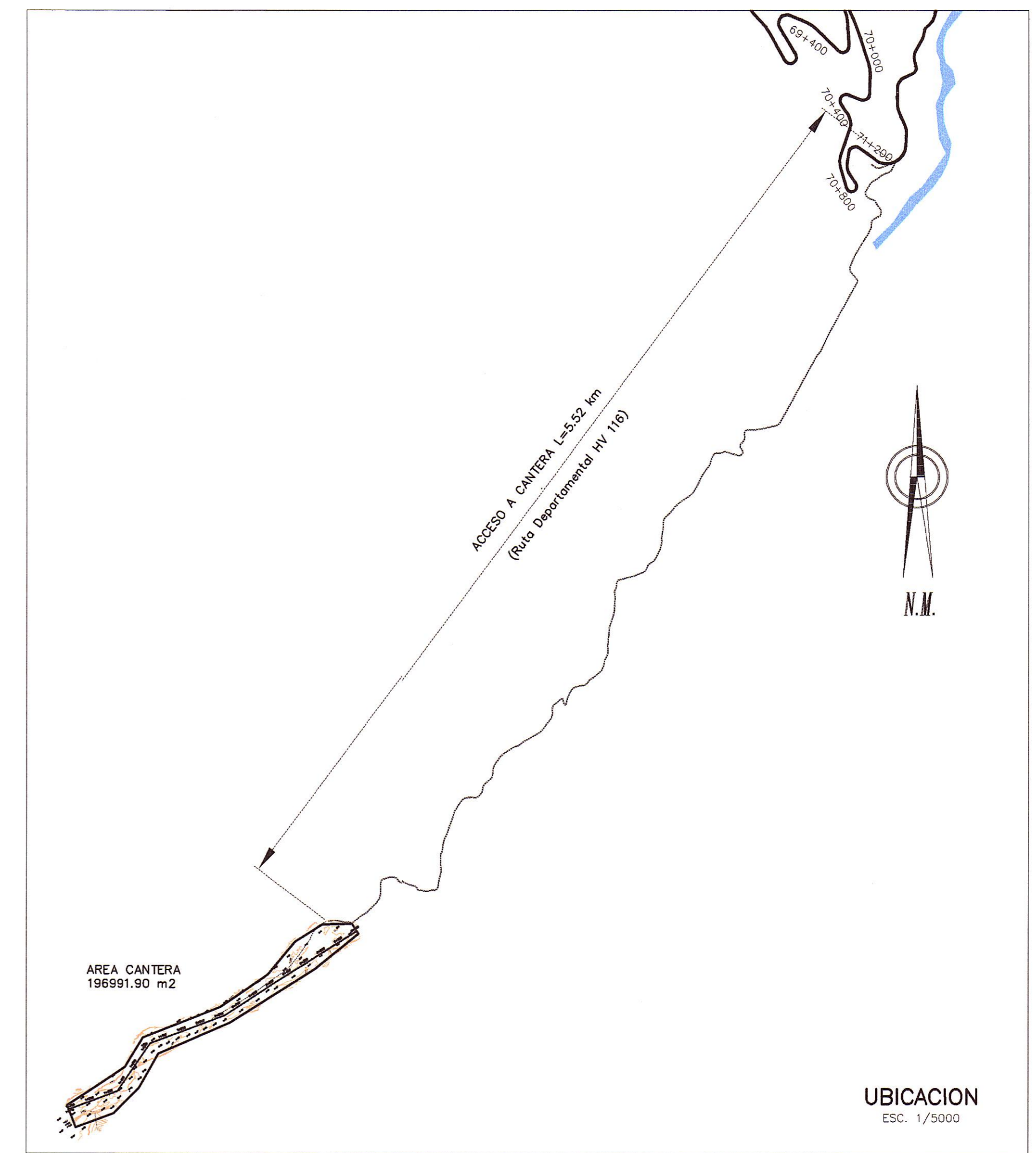


MATERIAL	EFICIENCIA
TM:	3"
Mot.<2"	95%

ACCESO	KM
PERIMETRO	3639.50 ML
AREA	200393.60 M2

### PLANTA

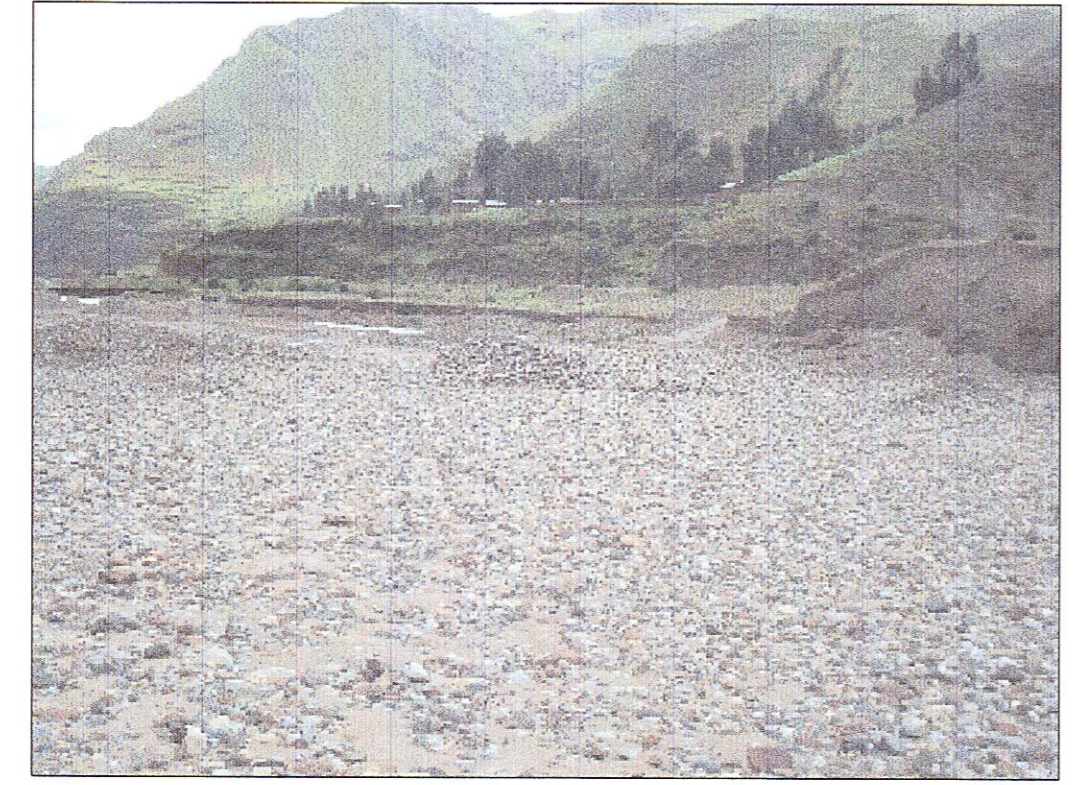
ESC. 1/4000



### UBICACION

ESC. 1/5000

### FOTO PANORAMICA CANtera "TUCSIPAMPA"



COORDENADAS CALICATAS		
C-1	521407	8563332
C-2	521410	8563300
C-3	521479	8563908
C-4	521527	8563781
C-5	521567	8563890
C-6	521619	8563794
C-7	521678	8563877
C-8	521708	8563761
C-9	521778	8563856
C-10	521801	8563752
C-11	521856	8563805
C-12	521869	8563887
C-13	521945	8563752
C-14	521931	8563647
C-15	522028	8563652
C-16	521964	8563573
C-17	522071	8563563
C-18	522197	8563461
C-19	522077	8563441
C-20	521990	8563382
C-21	522064	8563348
C-22	522200	8563283
C-23	522250	8563351
C-24	522285	8563288
C-25	522345	8563357
C-26	522394	8563280
C-27	522452	8563344
C-28	522472	8563231
C-29	522560	8563340
C-30	522602	8563223

COORDENADAS CALICATAS		
C-31	522670	8563311
C-32	522661	8563203
C-33	522771	8563302
C-34	522775	8563176
C-35	522841	8563294
C-36	522857	8563171
C-37	522832	8563236
C-38	522841	8563142
C-39	523031	8563218
C-40	523041	8563114
C-41	523120	8563169
C-42	523115	8563061
C-43	523205	8563137
C-44	523219	8563032
C-45	523298	8563094
C-46	523309	8562998
C-47	523389	8563059
C-48	523397	8562963
C-49	523480	8563028
C-50	523492	8562933
C-51	523574	8562995
C-52	523574	8562888
C-53	523663	8562956
C-54	523663	8562856
C-55	523752	8562917
C-56	523756	8562815
C-57	523848	8562890
C-58	523848	8562784
C-59	523933	8562855
C-60	523940	8562754

LEYENDA: C-1:

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	ENROCADADO
N	NATURAL, ELIMINANDO PIEDRAS > 3"
V	VOLADURA
Z	ZARANDEO
Tp	TRITURACION PRIMARIA
Ts	TRITURACION SECUNDARIA
M	MEZCLADO
F	FILLER
S	SECADO
A	ADITIVO MEJORADOR DE ADHERENCIA
L	LAVADO
C	CONCRETO > 140Kg/cm2

CANtera "TUCSIPAMPA"		
PUNTO	NORTE	ESTE
1	8562787.556	523973.099
2	8562841.865	523992.766
3	8562955.398	523899.516
4	8563009.341	523790.551
5	8563016.717	523542.004
6	8563105.351	523266.614
7	8563316.762	522910.861
8	8563297.165	522742.572
9	8563406.453	522417.089
10	8563306.525	522356.014
11	8563201.163	522258.401
12	8563179.023	522205.273
13	8563206.632	522289.134
14	8563020.881	523235.019
15	8562848.943	523708.886

VOLUMEN			
PROGRESIVA	DISTANCIA	AREA EXP. M2	VOLUMEN m3
0+000		90.83	
0+010	10.00	104.99	979.10
0+020	10.00	116.42	1107.05
0+030	10.00	127.02	1217.20
0+040	10.00	151.93	1394.75
0+050	10.00	184.19	1680.60
0+060	10.00	194.15	1691.70
0+070	10.00	193.82	1639.95
0+080	10.00	212.06	2029.40
0+090	10.00	221.21	2166.35
0+100	10.00	230.89	2280.50
0+110	10.00	227.34	2281.15
0+120	10.00	224.68	2260.10
0+130	10.00	224.69	2248.65
0+140	10.00	212.19	2184.40
0+150	10.00	211.22	2117.05
0+160	10.00	202.77	2069.95
0+170	10.00	254.63	2287.00
0+180	10.00	254.01	2543.20
0+190	10.00	271.62	2628.15
0+200	10.00	309.26	2804.40
0+210	10.00	299.46	3043.60
0+220	10.00	310.97	3052.15
0+230	10.00	291.94	3014.55
0+240	10.00	287.73	2898.35
0+250	10.00	271.86	2798.95
0+260	10.00	205.57	2396.15
0+270	10.00	225.03	2153.00
0+280	10.00	242.56	2337.90
0+290	10.00	248.24	2443.95
0+300	10.00	250.55	2493.95
0+310	10.00	203.15	2268.50
0+320	10.00	228.92	2160.35
0+330	10.00	226.95	2279.35
0+340	10.00	218.39	2228.70
0+350	10.00	229.99	2241.90
0+360	10.00	220.18	2250.85
0+370	10.00	221.2	2206.80
0+380	10.00	219.35	2202.75
0+390	10.00	241.04	2301.95
0+400	10.00	216.63	2288.35
0+410	10.00	196.76	2068.95
0+420	10.00	180.7	1887.30
0+430	10.00	168.95	1748.25
0+440	10.00	161.54	1652.45
0+450	10.00	152.56	1570.50
0+460	10.00	150.11	1513.35
0+470	10.00	129.67	1398.90
0+480	10.00	140.94	1353.95
0+490	10.00	139.2	1400.70
0+500	10.00	140.21	1387.05
0+510	10.00	155.02	1476.15

VOLUMEN			
PROGRESIVA	DISTANCIA	AREA EXP. M2	VOLUMEN m3
0+520	10.00	160.78	1579.00
0+530	10.00	161.98	1613.80
0+540	10.00	166	1639.90
0+550	10.00	162.91	1644.55
0+560	10.00	151.88	1573.95
0+570	10.00	151.95	1519.15
0+580	10.00	150.57	1512.60
0+590	10.00	152.24	1514.05
0+600	10.00	153.21	1527.25
0+610	10.00	207.99	1906.00
0+620	10.00	190.59	1892.90
0+630	10.00	175.67	1831.30
0+640	10.00	182.77	1792.20
0+650	10.00	161.91	1723.40
0+660	10.00	149.38	1556.45
0+670	10.00	155.51	1514.45
0+680	10.00	116.24	1348.75
0+690	10.00	122.3	1192.70
0+700	10.00	127.2	1247.50
0+710	10.00	132.32	1297.60
0+720	10.00	134.54	1334.30
0+730	10.00	129.96	1322.50
0+740	10.00	130.67	1303.15
0+750	10.00	129.59	1301.30
0+760	10.00	132.41	1310.00
0+770	10.00	137.87	1351.40
0+780	10.00	130.48	1341.75
0+790	10.00	148.38	1384.30
0+800	10.00	179.09	1632.35
0+810	10.00	177.25	1776.70
0+820	10.00	174.28	1757.55
0+830	10.00	161.77	1680.15
0+840	10.00	158.43	1591.00
0+850	10.00	165.22	1708.25
0+860	10.00	186.86	1890.40
0+870	10.00	192.54	1897.00
0+880	10.00	193.25	1828.95
0+890	10.00	186.18	1897.15
0+900	10.00	187.5	1868.40
0+910	10.00	186.24	1863.70
0+920	10.00	168.56	1769.00
0+930	10.00	172.34	1704.50
0+940	10.00	157.92	1651.30
0+950	10.00	171.04	1644.80
0+960	10.00	184.59	1678.15
0+970	10.00	165.21	1649.00
0+980	10.00	170.67	1679.40
0+990	10.00	168.47	1695.70
1+000	10.00	166.14	1617.75
1+010	10.00	158.14	1544.55
1+020	10.00	152.73	1544.55
1+030	10.00	151.77	1522.90

VOLUMEN			
PROGRESIVA	DISTANCIA	AREA EXP. M2	VOLUMEN m3
1+040	10.00	155.19	1534.80
1+050	10.00	163.51	1593.50
1+060	10.00	170.06	1667.85
1+070	10.00	180.55	1753.05
1+080	10.00	203.62	1920.85
1+090	10.00	214.3	2089.60
1+100	10.00	212.88	2135.90
1+110	10.00	214.48	2136.80
1+120	10.00	225.07	2197.75
1+130	10.00	228.73	2269.00
1+140	10.00	241.43	2350.80
1+150	10.00	239.57	2405.00
1+160	10.00	231.24	2354.05
1+170	10.00	228.54	2298.90
1+180	10.00	238.35	2334.45
1+190	10.00	233.04	2356.95
1+200	10.00	214.03	2235.35
1+210	10.00	199.39	2067.10
1+220	10.00	183.47	1914.30
1+230	10.00	161.64	1725.55
1+240	10.00	146.86	1542.50
1+250	10.00	131.9	1393.80
1+260	10.00	125.24	1285.70
1+270	10.00	122.92	1240.80
1+280	10.00	114.61	1187.65
1+290	10.00	110.81	1127.10
1+300	10.00	96.86	1038.35
1+310	10.00	85.71	912.85
1+320	10.00	89.89	878.00
1+330	10.00	97.13	935.10
1+340	10.00	106.32	1017.25
1+350	10.00	152.76	1285.40
1+360	10.00	142.78	1477.70
1+370	10.00	147.99	1453.65
1+380	10.00	158.59	1522.90
1+390	10.00	156.57	1565.80
1+400	10.00	164.27	1604.20
1+410	10.00	183.51	1738.90
1+420	10.00	198.08	1897.95
1+430	10.00	192.78	1944.30
1+440	10.00	191.07	1918.25
1+450	10.00	181.73	1864.00
1+460	10.00	239.51	2106.20
1+470	10.00	246.05	2427.80
1+480	10.00	213.99	2000.20
1+49			