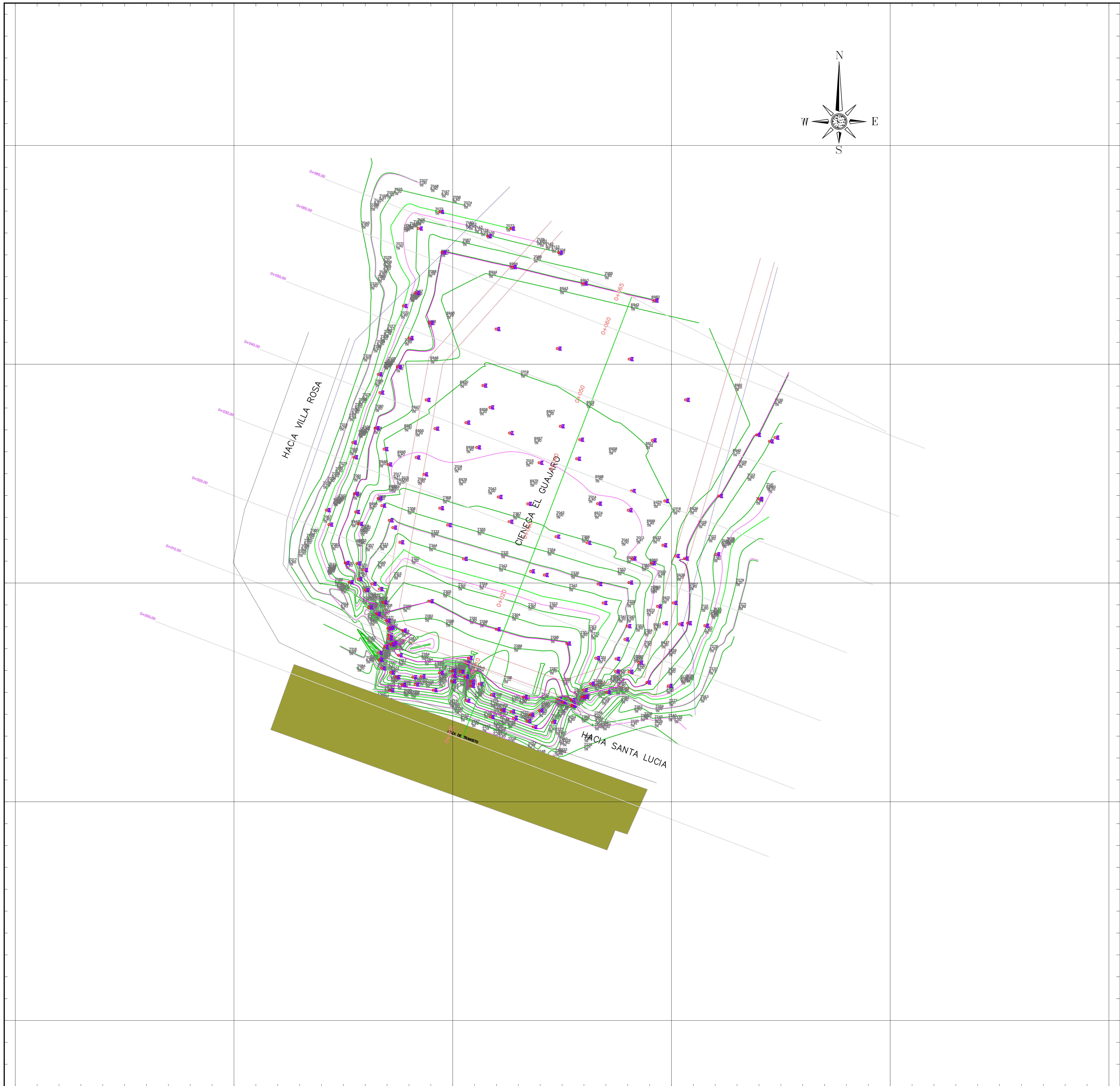
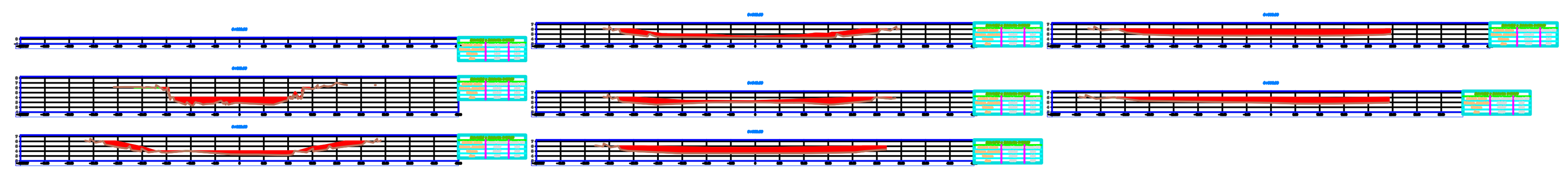


Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+000.06	0.00	0.00	0.00	0.00	0.00	0.00
0+010.00	0.68	30.14	3.38	149.84	3.38	149.84
0+020.00	0.06	31.91	3.71	310.27	7.10	460.11
0+030.00	0.01	33.78	0.37	328.45	7.47	788.56
0+040.00	0.01	37.35	0.13	355.62	7.59	1144.18
0+050.00	0.01	61.48	0.10	494.12	7.70	1638.31
0+060.00	0.01	62.51	0.10	619.95	7.79	2258.25
0+065.00	0.02	53.04	0.08	288.87	7.87	2547.12



PROPIETARIO :

CORPORACION AUTONOMA
REGIONAL DEL ATLANTICO

COMPUERTAS EL PORVENIR

LEVANTO:

GUIAS PROYECT SAS
ING. GUILLERMO ARIZA

DIGITALIZO :

TOPOGRAFO
FERNANDO ZAMBRANO V.
MAT.01-14509 CPNT

LOCALIZACION
Municipio:
MANATÍ
Departamento :
ATLANTICO

CONTIENE :
planta -
perfil volumen

FECHA :
septiembre 2024

ESCALA
1 : 250

OBSERVACIONES
Compuertas el Porvenir
Lado embalse El Guajaro

CARTERA TOPOGRAFICA FINAL COMPUERTAS EL PORVENIR LADO EMBALSE EL GUAJARO



6916 1643169.8764 890910.2493 5.0000 "TN"
6917 1643178.8356 890906.5073 5.0000 "TN"
6918 1643184.4694 890898.3761 5.0003 "TN"
6919 1643188.6392 890889.3670 5.0001 "TN"
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7235 1643141.2637 890910.3963 7.5000 "TN"
7236 1643141.2999 890875.7900 7.4000 "TN"
7237 1643139.3125 890885.5659 7.3936 "TN"
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7246 1643142.5434 890872.7697 7.0000 "TN"
7247 1643140.7474 890882.5913 6.9878 "TN"
7248 1643136.6114 890891.6150 6.9901 "TN"
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7252 1643141.5071 890881.1125 6.7524 "TN"
7253 1643137.7257 890890.3468 6.7946 "TN"
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7258 1643142.4850 890880.3408 6.6000 "TN"
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7263 1643144.0924 890913.9747 6.6052 "TN"
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7266 1643140.3092 890885.9138 6.9232 "TN"
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7271 1643156.7650 890919.2475 6.9876 "TN"

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7273 1643143.4785 890879.5729 6.2000 "TN"
7274 1643140.7766 890885.6270 6.2144 "TN"
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7276 1643143.7972 890900.4602 6.2017 "TN"
7277 1643143.5803 890909.6975 6.2095 "TN"
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7279 1643160.0711 890918.8638 6.2063 "TN"
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7288 1643146.4745 890895.1245 3.2102 "TN"
7289 1643151.0575 890888.4181 3.1993 "TN"
7290 1643154.4690 890879.0739 3.1984 "TN"
7291 1643154.8618 890882.3123 3.4000 "TN"
7292 1643156.5120 890873.2136 3.3981 "TN"
7293 1643151.8443 890872.4742 3.3934 "TN"
7294 1643149.1975 890876.1767 3.4052 "TN"
7295 1643148.0091 890883.3051 3.5363 "TN"
7296 1643144.4213 890892.1622 3.4000 "TN"
7297 1643144.9858 890896.6586 3.4000 "TN"
7298 1643152.2558 890893.4332 3.4027 "TN"
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7307 1643151.7096 890872.3170 3.5905 "TN"
7308 1643148.8038 890877.5207 3.5925 "TN"
7309 1643148.3939 890882.1283 3.8000 "TN"
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7311 1643144.6067 890897.1634 3.8000 "TN"
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7316 1643153.0740 890873.0105 3.8000 "TN"

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7336 1643147.1694 890878.1004 5.0000 "TN"
7337 1643145.6666 890883.4252 5.0000 "TN"
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7345 1643162.4714 890869.7129 4.2000 "TN"
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7347 1643148.7649 890871.2224 4.2071 "TN"
7348 1643148.7494 890880.2761 4.2038 "TN"
7349 1643144.4125 890885.6472 4.2219 "TN"
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7352 1643153.8075 890905.1123 4.6000 "TN"
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7354 1643164.2522 890892.9983 4.6032 "TN"
7355 1643167.0393 890883.3952 4.5985 "TN"
7356 1643169.8931 890873.8116 4.5927 "TN"
7357 1643164.8408 890868.0876 4.6000 "TN"
7358 1643156.9819 890870.0002 4.6000 "TN"
7359 1643149.7831 890870.3836 4.6035 "TN"
7360 1643146.8667 890878.1609 4.6000 "TN"
7361 1643144.9454 890883.4477 4.6079 "TN"

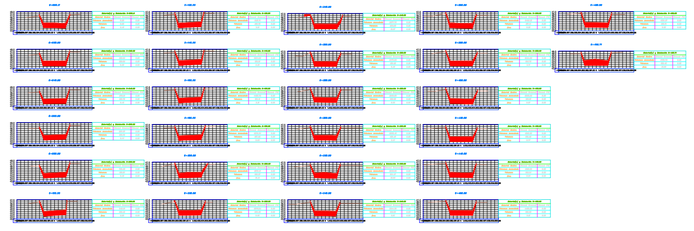
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7363 1643146.0943 890899.8221 4.6000 "TN"
7364 1643153.1807 890906.2942 4.8000 "TN"
7365 1643162.1258 890905.9288 4.8199 "TN"
7366 1643166.0115 890897.7011 4.8035 "TN"
7367 1643169.1949 890888.2810 4.8037 "TN"
7368 1643171.4004 890878.6568 4.8027 "TN"
7369 1643171.5662 890869.7300 4.7999 "TN"
7370 1643162.1448 890867.1715 4.8000 "TN"
7371 1643154.9690 890870.8787 4.9596 "TN"
7372 1643148.0240 890871.5479 4.8000 "TN"
7373 1643148.0502 890879.4504 4.8000 "TN"
7374 1643143.4620 890885.1883 4.7938 "TN"
7375 1643143.7367 890894.0347 4.8015 "TN"
7376 1643146.8393 890901.6256 4.8000 "TN"

P.K.	Área de desmonte (metros cuadrados)	Volumen de desmonte (metros cúbicos)	Volumen reutilizable (metros cúbicos)	Área de terraplén (metros cuadrados)	Volumen de terraplén (metros cúbicos)	Vol. desmonte acumul. (metros cúbicos)	Vol. reutilizable acumul. (metros cúbicos)	Vol. terraplén acumul. (metros cúbicos)	Vol. neto acumul. (pies cúbicos)
0+000.057	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+010.000	30.14	149.84	149.84	0.68	3.38	149.84	149.84	3.38	146.46
0+020.000	31.91	310.27	310.27	0.06	3.71	460.11	460.11	7.10	453.01
0+030.000	33.78	328.45	328.45	0.01	0.37	788.56	788.56	7.47	781.10
0+040.000	37.35	355.62	355.62	0.01	0.13	1144.18	1144.18	7.59	1136.59
0+050.000	61.48	494.12	494.12	0.01	0.10	1638.31	1638.31	7.70	1630.61
0+060.000	62.51	619.95	619.95	0.01	0.10	2258.25	2258.25	7.79	2250.46
0+065.000	53.04	288.87	288.87	0.02	0.08	2547.12	2547.12	7.87	2539.25



Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+000.11	0.00	9.46	0.00	0.00	0.00	0.00
0+020.00	0.00	9.55	0.00	189.02	0.00	189.02
0+040.00	0.00	9.43	0.00	189.79	0.00	378.81
0+060.00	0.00	9.44	0.00	188.76	0.00	567.57
0+080.00	0.00	9.46	0.00	189.01	0.00	756.58
0+100.00	0.00	8.86	0.00	183.43	0.00	940.01
0+120.00	0.00	9.19	0.00	180.70	0.00	1120.71
0+140.00	0.00	9.20	0.00	183.91	0.00	1304.62
0+160.00	0.00	9.21	0.00	184.11	0.00	1488.72
0+180.00	0.00	9.53	0.00	187.32	0.00	1676.04
0+200.00	0.00	10.41	0.00	199.37	0.00	1875.41
0+220.00	0.00	9.55	0.00	200.23	0.00	2075.64
0+240.00	0.00	10.67	0.00	202.08	0.00	2277.72
0+260.00	0.00	9.46	0.00	201.30	0.00	2479.02
0+280.00	0.00	9.53	0.00	189.98	0.00	2669.00
0+300.00	0.00	9.41	0.00	189.49	0.00	2858.49
0+320.00	0.00	10.03	0.00	194.47	0.00	3052.96
0+340.00	0.00	9.15	0.00	192.00	0.00	3244.96
0+360.00	0.00	9.56	0.00	187.14	0.00	3432.10
0+380.00	0.00	9.71	0.00	192.72	0.00	3624.82
0+400.00	0.00	9.87	0.00	195.81	0.00	3820.63
0+420.00	0.00	9.77	0.00	196.35	0.00	4016.98
0+440.00	0.00	9.54	0.00	193.04	0.00	4210.03
0+460.00	0.00	9.51	0.00	190.53	0.00	4400.55
0+480.00	0.00	9.56	0.00	190.71	0.00	4591.27
0+498.71	0.00	10.69	0.00	189.45	0.00	4780.72



PROPIETARIO :

CORPORACION AUTONOMA
REGIONAL DEL ATLANTICO

COMPUERTAS EL PORVENIR

LEVANTO:

GUIAS PROYECT SAS
ING. GUILLERMO ARIZA

DIGITALIZO :

TOPOGRAFO
FERNANDO ZAMBRANO V.
MAT.01-14509 CPNT

LOCALIZACION

Municipio:
MANATÍ

Departamento :
ATLANTICO

CONTIENE :
planta -
perfil volumen

FECHA :
septiembre 2024

ESCALA
1 : 750

OBSERVACIONES

Compuertas el Porvenir
Lado Embalse El Guajaro

CARTERA TOPOGRAFICA FINAL CANAL QUE INTERCONECTA EL EMBALSE EL GUAJARO CON LAS COMPUERTAS EL PORVENIR



1001 1645042.6620 890975.8080 46.2140 "FINAL"
1002 1645042.3458 890976.6320 43.1890 "FINAL"
1003 1645029.8920 890968.1440 46.7000 "FINAL"
1004 1645029.0340 890971.5160 46.9280 "FINAL"
1005 1644990.2270 890957.9730 46.7280 "FINAL"
1006 1644989.4940 890962.9990 47.0410 "FINAL"
1007 1644904.4350 890936.1200 47.4340 "FINAL"
1008 1644878.1570 890916.6330 46.6960 "FINAL"
1009 1644875.9370 890920.7850 46.9700 "FINAL"
1010 1644836.2140 890912.6210 46.6710 "FINAL"
1011 1644835.7180 890915.7290 47.2750 "FINAL"
1012 1644819.5410 890911.2890 46.4940 "FINAL"
1013 1644818.3140 890912.8350 47.3960 "FINAL"
1014 1644792.0550 890898.8080 46.8040 "FINAL"
1015 1644788.6820 890901.2070 47.3850 "FINAL"
1016 1644777.4890 890884.6010 46.6950 "FINAL"
1017 1644773.8270 890884.9500 47.4220 "FINAL"
1018 1644772.1040 890858.6110 46.9230 "FINAL"
1019 1644769.2430 890859.2860 47.1180 "FINAL"
1020 1644773.9600 890826.7160 46.9010 "FINAL"
1021 1644771.1570 890825.0020 47.0970 "FINAL"
1022 1644777.2170 890780.9860 46.9030 "FINAL"
1023 1644774.2940 890781.1010 47.3450 "FINAL"
1024 1644773.1440 890762.3940 46.7860 "FINAL"
1025 1644739.1100 890684.8950 46.7900 "FINAL"
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1029 1644728.8547 890690.5949 47.5120 "FINAL"
1030 1644726.3931 890691.7633 47.7030 "FINAL"
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1034 1645040.5256 890982.5691 43.1000 "FINAL"
1035 1645043.5859 890973.0933 46.1990 "FINAL"
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1103 1644766.1879 890764.1841 43.9666 "FINAL"
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1108 1644762.2568 890859.6676 43.8948 "FINAL"
1109 1644767.2995 890888.2836 43.8804 "FINAL"
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1144 1644762.4472 890841.4082 47.3642 "FINAL"
1145 1644761.1583 890860.0625 47.3219 "FINAL"
1146 1644767.1101 890782.0555 47.4913 "FINAL"
1147 1644765.4890 890888.8623 47.2795 "FINAL"
1148 1644776.5640 890899.8526 47.2372 "FINAL"
1149 1644784.7386 890909.3170 47.1948 "FINAL"
1150 1644800.9448 890914.7210 47.1525 "FINAL"
1151 1644815.9151 890920.5765 47.1102 "FINAL"
1152 1644834.7552 890923.8008 47.0678 "FINAL"
1153 1644873.2598 890928.4207 47.0255 "FINAL"
1154 1644854.8799 890926.2490 46.9831 "FINAL"
1155 1644888.0239 890936.2160 46.9408 "FINAL"
1156 1644901.5639 890943.6837 46.8984 "FINAL"
1157 1644923.3589 890950.8914 46.8561 "FINAL"
1158 1644943.9297 890957.5146 46.8137 "FINAL"
1159 1644964.4798 890963.8536 46.7714 "FINAL"
1160 1644987.8707 890970.9041 46.7290 "FINAL"
1161 1645007.5907 890975.2129 46.6867 "FINAL"
1162 1645027.4246 890979.4093 46.6443 "FINAL"

P.K.	Área de desmonte (metros cuadrados)	Volumen de desmonte (metros cúbicos)	Volumen reutilizable (metros cúbicos)	Área de terraplén (metros cuadrados)	Volumen de terraplén (metros cúbicos)	Vol. desmonte acumul. (metros cúbicos)	Vol. reutilizable acumul. (metros cúbicos)	Vol. terraplén acumul. (metros cúbicos)	Vol. neto acumul. (pies cúbicos)
0+000.111	9.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+020.000	9.55	189.02	189.02	0.00	0.00	189.02	189.02	0.00	189.02
0+040.000	9.43	189.79	189.79	0.00	0.00	378.81	378.81	0.00	378.81
0+060.000	9.44	188.76	188.76	0.00	0.00	567.57	567.57	0.00	567.57
0+080.000	9.46	189.01	189.01	0.00	0.00	756.58	756.58	0.00	756.58
0+100.000	8.86	183.43	183.43	0.00	0.00	940.01	940.01	0.00	940.01
0+120.000	9.19	180.70	180.70	0.00	0.00	1120.71	1120.71	0.00	1120.71
0+140.000	9.20	183.91	183.91	0.00	0.00	1304.62	1304.62	0.00	1304.62
0+160.000	9.21	184.11	184.11	0.00	0.00	1488.72	1488.72	0.00	1488.72
0+180.000	9.53	187.32	187.32	0.00	0.00	1676.04	1676.04	0.00	1676.04
0+200.000	10.41	199.37	199.37	0.00	0.00	1875.41	1875.41	0.00	1875.41
0+220.000	9.55	200.23	200.23	0.00	0.00	2075.64	2075.64	0.00	2075.64
0+240.000	10.67	202.08	202.08	0.00	0.00	2277.72	2277.72	0.00	2277.72
0+260.000	9.46	201.30	201.30	0.00	0.00	2479.02	2479.02	0.00	2479.02
0+280.000	9.53	189.98	189.98	0.00	0.00	2669.00	2669.00	0.00	2669.00
0+300.000	9.41	189.49	189.49	0.00	0.00	2858.49	2858.49	0.00	2858.49
0+320.000	10.03	194.47	194.47	0.00	0.00	3052.96	3052.96	0.00	3052.96
0+340.000	9.15	192.00	192.00	0.00	0.00	3244.96	3244.96	0.00	3244.96
0+360.000	9.56	187.14	187.14	0.00	0.00	3432.10	3432.10	0.00	3432.10
0+380.000	9.71	192.72	192.72	0.00	0.00	3624.82	3624.82	0.00	3624.82
0+400.000	9.87	195.81	195.81	0.00	0.00	3820.63	3820.63	0.00	3820.63
0+420.000	9.77	196.35	196.35	0.00	0.00	4016.98	4016.98	0.00	4016.98
0+440.000	9.54	193.04	193.04	0.00	0.00	4210.03	4210.03	0.00	4210.03
0+460.000	9.51	190.53	190.53	0.00	0.00	4400.55	4400.55	0.00	4400.55
0+480.000	9.56	190.71	190.71	0.00	0.00	4591.27	4591.27	0.00	4591.27
0+498.709	10.69	189.45	189.45	0.00	0.00	4780.72	4780.72	0.00	4780.72