

INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS  
 \*\*\*I NAPA\*\*  
 DIRECCION DE INGENIERIA  
 DEPARTAMENTO DE COSTOS Y PRESUPUESTOS  
**CRONOGRAMA DE OBRA Y DESEMBOLSO**

Presupuesto: No.242 D/F 16/10/2019

Obra : AMPLIACION ALCANTARILLADO SANITARIO DE SAN FRANCISCO DE MACORIS AL SECTOR VILLA VERDE.

Ubicación : PROVINCIA DUARTE ZONA : III

PARTIDA	DESCRIPCION	VALOR (RDS)
<b>A</b>	<b>SUSTITUCION TRAMO COLECTORDE. DESDE CALLE</b>	
	<b>GASTON FERNANDEZ DELIGNE HASTA CALLE A CON AVENIDA LIBERTAD</b>	
1	REPLANTEO Y CONTROL TOPOGRAFICO	148,200.80
2	CORTE, REMOCION Y BOTE DE ASFALTO	350,659.52
3	MOVIMIENTO DE TIERRA	2,608,043.47
4	SUMINISTRO DE TUBERIA	2,431,242.16
5	COLOCACION DE TUBERIA	180,224.95
6	REGISTRO	464,196.00
7	SEÑALIZACION, MANEJO DE TRANSITO Y SEGURIDAD	46,076.80
8	ACOMETIDAS DOMICILIARIAS 8" x 4" PVC SDR- 32.5	780,575.68
9	ACOMETIDAS INTRADOMICILIARIAS	511,000.00
10	REPOSICION CARPETA ASFALTICA L=1,760M	1,359,631.43
11	DEMOLICION Y REPOSICION DE ACERA Y CONTEN	84,736.58
12	CONTROL Y MANEJO DE TRANSITO ( INCLUYE USO DE	29,040.00
13	SEÑALIZACION, CONTROL Y SEGURIDAD EN LA OBRA	44,740.96
14	BOMBA DE ACHIQUE DE 3"	83,925.25
15	LIMPIEZA FINAL	19,514.88
	<b>TOTAL FASE A</b>	<b>9,141,808.49</b>

PARTIDA	DESCRIPCION	VALOR (RDS)
<b>B</b>	<b>COLECTORA DESDE REG-1 HASTA REG-19</b>	
1	REPLANTEO Y CONTROL TOPOGRAFICO	55,527.07
2	CORTE, REMOCION Y BOTE DE ASFALTO	172,716.51
3	MOVIMINENTO DE TIERRA	1,350,828.78
4	SUMINISTRO DE TUBERIAS	1,702,837.10
5	COLOCACION DE TUBERIAS	68,439.29
6	PRUEBA DE TUBERIAS	33,757.92
7	REGISTRO	816,063.16
8	CAIDAS	12,860.71
9	ACOMETIDAS DOMICILIARIAS 8" x 4" PVC SDR- 32.5 (48U)	491,712.03
10	ACOMETIDAS INTRADOMICILIARIAS	336,000.00
11	LIMPIEZA Y DEMOLICION DE REGISTROS	131,232.55
12	REPOSICION CARPETA ASFALTICA	271,781.46
11.1	DEMOLICION Y REPOSICION DE ACERA Y CONTEN	56,491.05
12	CONTROL Y MANEJO DE TRANSITO ( INCLUYE USO DE	10,880.55
13	SEÑALIZACION, CONTROL Y SEGURIDAD EN LA OBRA	16,763.30
14	BOMBA DE ACHIQUE DE 3"	83,925.25
15	LIMPIEZA FINAL Y CONTINUA	7,311.73
	<b>TOTAL FASE B</b>	<b>5,619,128.49</b>

PARTIDA	DESCRIPCION	VALOR (RDS)
<b>C</b>	<b>RED COLECTORA</b>	
1	REPLANTEO Y CONTROL TOPOGRAFICO	240,743.63
2	CORTE, REMOCION Y BOTE DE ASFALTO	401,535.99
2	MOVIMIENTO DE TIERRA	7,869,711.08
3	SUMINISTRO DE TUBERIAS	4,850,072.21
5	REGISTRO PREFABRICADOS	2,216,370.39
7	ACOMETIDAS DOMICILIARIAS 8" X 4" PVC SDR - 32.5 (109	1,110,401.27
8	ACOMETIDAS DOMICILIARIAS 12" X 4" PVC SDR - 32.5 (24	244,492.03
9	ACOMETIDAS INTRADOMICILIARIAS	931,000.00
10	PRUEBA DE TUBERIAS	92,149.78
11	DEMOLICION Y REPOSICION DE ACERA Y CONTEN	155,360.40
13	CONTROL Y MANEJO DE TRANSITO ( INCLUYE USO DE	47,173.80
14	SEÑALIZACION, CONTROL Y SEGURIDAD EN LA OBRA	72,879.10
15	REPOSICION CARPETA ASFALTICA L=1,760M	1,568,236.00

Enero 2021	Febrero 2021	Marzo 2021	Abril 2021	Mayo 2021	Junio 2021
MES 1	MES 2	MES 3	MES 4	MES 5	MES 6
44,460.24	48,185.26	25,935.14	15,116.48	10,670.46	3,853.22
105,197.86	113,964.34	61,365.42	35,767.27	25,247.49	9,117.15
782,413.04	847,614.13	456,407.61	266,020.43	187,779.13	67,809.13
729,372.65	790,153.70	425,467.38	247,986.70	175,049.44	63,212.30
54,067.49	58,573.11	31,539.37	18,382.94	12,976.20	4,685.85
139,258.80	150,863.70	81,234.30	47,347.99	33,422.11	12,069.10
13,823.04	14,974.96	8,063.44	4,699.83	3,317.53	1,198.00
234,172.71	253,687.10	136,600.74	79,618.72	56,201.45	20,294.97
163,300.00	166,075.00	89,425.00	52,122.00	36,792.00	13,286.00
407,889.43	441,880.22	237,935.50	138,682.41	97,863.46	35,350.42
25,420.97	27,539.39	14,828.90	8,843.13	6,101.03	2,203.15
8,712.00	9,438.00	5,082.00	2,962.08	2,080.88	755.04
13,422.29	14,540.81	7,829.67	4,563.58	3,221.35	1,163.26
25,177.58	27,275.71	14,686.92	8,560.38	6,042.62	2,182.06
5,854.48	8,342.34	3,415.10	1,990.52	1,405.07	507.39
<b>2,742,542.55</b>	<b>2,971,087.76</b>	<b>1,599,816.49</b>	<b>932,464.47</b>	<b>658,210.21</b>	<b>237,687.02</b>

16,658.12	18,046.30	9,717.24	5,663.76	3,997.95	1,443.70
51,814.95	56,132.87	30,225.39	17,617.08	12,435.59	4,490.63
405,248.64	439,019.35	236,395.04	137,784.54	97,259.67	35,121.55
510,851.13	553,422.06	297,996.49	173,689.38	122,604.27	44,273.76
20,531.79	22,242.77	11,678.88	6,980.81	4,927.63	1,779.42
10,127.38	10,971.32	5,907.64	3,443.31	2,430.57	877.71
244,818.95	265,220.53	142,811.05	83,238.44	58,756.55	21,217.64
3,858.21	4,179.73	2,250.62	1,311.79	925.97	334.38
147,513.61	159,806.41	86,049.61	50,154.63	35,403.27	12,784.51
100,800.00	109,200.00	58,800.00	34,272.00	24,192.00	8,736.00
39,389.77	42,650.58	22,965.70	13,385.72	9,448.74	3,412.05
81,534.44	88,328.97	47,561.76	27,721.71	19,588.27	7,066.32
16,947.32	18,359.59	9,885.93	5,762.09	4,067.36	1,468.77
3,264.17	3,536.18	1,904.10	1,109.82	783.40	282.89
5,028.99	5,448.07	2,933.58	1,709.86	1,206.96	435.85
25,177.58	27,275.71	14,686.92	8,560.38	6,042.62	2,182.06
2,193.52	2,376.31	1,279.55	745.80	526.44	190.10
<b>1,685,738.55</b>	<b>1,826,216.76</b>	<b>983,347.49</b>	<b>573,151.11</b>	<b>404,577.25</b>	<b>146,097.34</b>

72,223.09	78,241.88	42,130.14	24,555.85	17,333.54	6,259.33
120,460.80	130,499.20	70,268.80	40,956.67	28,910.59	10,439.94
2,360,913.32	2,557,656.10	1,377,199.44	802,710.53	566,619.20	204,612.49
1,395,021.66	1,511,273.47	813,762.64	474,307.37	334,805.20	120,901.88
664,911.12	720,320.38	387,864.82	226,059.78	159,578.67	57,625.63
333,120.38	360,880.41	194,320.22	113,260.93	79,948.89	28,870.43
73,347.61	79,459.91	42,788.11	24,938.19	17,603.43	6,356.79
279,300.00	302,575.00	162,925.00	94,962.00	67,032.00	24,206.00
27,644.93	29,948.88	16,126.21	9,399.28	6,634.78	2,395.89
46,605.12	50,488.68	27,186.32	15,845.74	11,185.23	4,039.11
14,152.14	15,331.49	8,255.42	4,811.73	3,396.51	1,226.52
21,803.73	23,620.71	12,718.84	7,413.27	5,232.90	1,889.66
470,470.50	509,676.38	274,441.13	159,959.97	112,912.92	40,774.11

16	LIMPIEZA FINAL	31,700.79
	<b>TOTAL FASE C</b>	<b>19,631,615.48</b>
Z	VARIOS	
1	VALLA ANUNCIANDO LA OBRA 8"x4" IMPRESION FULL	43,500.00
2	CAMPAMENTO (INCLUYE ALQUILER DE CASA O SOLAR Y CONSTRUCCION CASETA DE MAT.)	255,000.00
3	REPARACION DE SERVICIOS EXISTENTES, SUMINISTRO	232,007.90
	<b>TOTAL FASE Z</b>	<b>530,507.90</b>
	<b>SUB- TOTAL GENERAL</b>	<b>35,006,988.34</b>

PARTIDA	DESCRIPCION	VALOR (RDS)
	SUB- TOTAL GENERAL	35,006,988.34
	GASTOS INDIRECTOS	
	GASTOS ADMINISTRATIVOS	1,400,279.53
	HONORARIOS PROFESIONALES	3,500,698.83
	SEGUROS, POLIZAS Y FIANZAS	1,400,279.53
	SUPERVISION DE LA OBRA	1,750,349.42
	GASTOS DE TRANSPORTE	1,050,209.65
	LEY 6-86	350,069.88
	ITBIS ( LEY 07-2007)	630,125.79
	IMPREVISTOS	1,750,349.42
	OPERACION Y MANTENIMIENTO DEL INAPA	3,500,698.83
	CODIA	35,006.99
	ESTUDIOS (SOCIALES, AMBIENTALES, GEOTECNICO, TOPOGRAFICO, DE CALIDAD, ENTRE OTROS)	1,050,209.65
	MEDIDA DE COMPENSACION AMBIENTAL	525,104.83
	DERECHO A PASO	80,000.00
	<b>TOTAL GASTOS INDIRECTOS</b>	<b>17,023,382.35</b>
	<b>TOTAL A EJECUTAR</b>	<b>52,030,370.69</b>

PREPARADO POR

ING. SEBASTIAN ANTONIO GUZMAN PAYANO  
CODIA No. 140  
CONTRATISTA

9,510.24	10,302.76	5,547.64	3,233.48	2,282.46	824.22
<b>5,889,484.64</b>	<b>6,380,275.03</b>	<b>3,435,532.71</b>	<b>2,002,424.78</b>	<b>1,413,476.31</b>	<b>510,422.00</b>

13,050.00	14,137.50	7,612.50	4,437.00	3,132.00	1,131.00
76,500.00	82,875.00	44,625.00	26,010.00	18,380.00	6,630.00
69,602.37	75,402.57	40,601.38	23,684.81	16,704.57	6,032.21
<b>159,152.37</b>	<b>172,415.07</b>	<b>92,838.88</b>	<b>54,111.81</b>	<b>38,196.57</b>	<b>13,793.21</b>
<b>10,502,096.50</b>	<b>11,377,271.21</b>	<b>6,126,222.96</b>	<b>3,570,712.81</b>	<b>2,520,503.16</b>	<b>910,181.70</b>

MES 1	MES 2	MES 3	MES 4	MES 5	MES 6
<b>10,502,096.50</b>	<b>11,377,271.21</b>	<b>6,126,222.96</b>	<b>3,570,712.81</b>	<b>2,520,503.16</b>	<b>910,181.70</b>

420,083.86	455,090.85	245,048.92	142,828.51	100,820.13	36,407.27
1,050,209.65	1,137,727.12	612,622.30	357,071.28	252,050.32	91,018.17
420,083.86	455,090.85	245,048.92	142,828.51	100,820.13	36,407.27
525,104.83	568,863.56	306,311.15	178,535.64	126,025.16	45,509.08
315,062.90	341,318.14	183,786.69	107,121.38	75,615.09	27,305.45
105,020.96	113,772.71	61,262.23	35,707.13	25,205.03	9,101.82
189,037.74	204,790.88	110,272.01	64,272.83	45,369.06	16,383.27
525,104.83	568,863.56	306,311.15	178,535.64	126,025.16	45,509.08
1,050,209.65	1,137,727.12	612,622.30	357,071.28	252,050.32	91,018.17
10,502.10	11,377.27	6,126.22	3,570.71	2,520.50	910.18
315,062.90	341,318.14	183,786.69	107,121.38	75,615.09	27,305.45
157,531.45	170,659.07	91,893.35	53,560.69	37,807.55	13,652.73
24,000.00	26,000.00	14,000.00	8,160.00	5,760.00	2,080.00
5,107,014.71	5,532,599.26	2,979,091.91	1,736,385.00	1,225,683.53	442,607.94
<b>15,609,111.21</b>	<b>16,909,870.47</b>	<b>9,105,314.87</b>	<b>5,307,097.81</b>	<b>3,746,186.69</b>	<b>1,352,789.64</b>