Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m^2	m^2	m.	m^2	m^2	m^3	m^3	m	m	m
60+860.00		116.3775	20.00		115.5209		2,310.42	76.88	72.83	72.13
60+880.00		114.6643	20.00		116.5194		2,330.39	76.88	72.78	72.03
60+900.00		118.3744	20.00		118.5847		2,371.69	76.88	72.63	71.98
60+920.00		118.7949	20.00		117.1630		2,343.26	76.88	72.73	71.83
60+940.00		115.5310	20.00		114.5624		2,291.25	76.88	72.65	71.93
60+960.00		113.5938	20.00		113.1063		2,262.13	76.88	72.98	71.85
60+980.00		112.6188	20.00		112.0720		2,241.44	76.88	73.08	72.18
61+000.00		111.5251	20.00		110.0023		2,200.05	76.88	73.05	72.28
61+020.00		108.4794	20.00		106.4028		2,128.06	76.88	73.18	72.25
61+040.00		104.3261	20.00		101.5417		2,030.83	76.88	73.23	72.38
61+060.00		98.7573	20.00		98.5705		1,971.41	76.88	73.38	72.43
61+080.00		98.3836	20.00		99.3536		1,987.07	76.88	73.27	72.58
61+100.00		100.3235	20.00		100.2529		2,005.06	76.88	73.15	72.47
61+120.00		100.1822	20.00		101.6799		2,033.60	76.88	73.23	72.35
61+140.00		103.1776	20.00		102.0056		2,040.11	76.88	73.25	72.43
61+160.00		100.8335	20.00		100.3428		2,006.86	76.88	73.33	72.45
61+180.00		99.8520	20.00		102.2135		2,044.27	76.88	73.43	72.53
61+200.00		104.5750	20.00		101.6799		2,033.60	76.88	73.53	72.63
61+220.00		98.7848	20.00		96.2063		1,924.13	76.88	73.72	72.73
61+240.00		93.6278	20.00		82.8623		1,657.25	76.88	74.00	72.92
61+260.00		72.0967	20.00		69.1153		1,382.31	76.88	74.23	73.20
61+280.00		66.1338	20.00		63.4933		1,269.87	76.88	74.42	73.43
61+300.00		60.8528	20.00		60.8807		1,217.61	76.88	74.49	73.62
61+320.00		60.9086	20.00		63.1316		1,262.63	76.88	74.29	73.69
61+340.00		65.3545	20.00		68.1924		1,363.85	76.88	74.13	73.49
61+360.00		71.0302	20.00		74.3360		1,486.72	76.88	74.01	73.33
61+380.00		77.6417	20.00		78.5206		1,570.41	76.88	73.87	73.21
61+400.00		79.3995	20.00		80.6458		1,612.92	76.88	73.66	73.07
61+420.00		81.8921	20.00		84.5962		1,691.92	76.88	73.54	72.86
61+440.00		87.3003	20.00		90.7421		1,814.84	76.88	73.49	72.74
61+460.00		94.1839	20.00		95.6105		1,912.21	76.88	73.46	72.69
61+480.00		97.0371	20.00		95.6999		1,914.00	76.88	73.50	72.66
61+500.00		94.3626	20.00		95.2589		1,905.18	76.88	73.52	72.70
61+520.00		96.1552	20.00		94.7139		1,894.28	76.88	73.57	72.72
61+540.00		93.2725	20.00		93.2518		1,865.04	76.88	73.60	72.77
61+560.00		93.2310	20.00		93.3399		1,866.80	76.88	73.65	72.80
61+580.00		93.4487	20.00		93.6333		1,872.67	76.88	73.71	72.85
61+600.00		93.8179	20.00		92.3718		1,847.44	76.88	73.70	72.91
61+620.00		90.9257	20.00		90.9049		1,818.10	76.88	73.68	72.90
61+640.00		90.8840	20.00		88.5041		1,770.08	76.88	73.77	72.88
61+660.00		86.1241	20.00		83.3141		1,666.28	76.88	73.92	72.97
61+680.00		80.5040	20.00		78.1820		1,563.64	76.88	73.99	73.12
61+700.00		75.8599	20.00		72.3775		1,447.55	76.88	73.97	73.19
61+720.00		68.8950	20.00		68.3449		1,366.90	76.88	74.01	73.17
61+740.00		67.7947	20.00		69.7477		1,394.95	76.88	73.93	73.21
61+760.00		71.7006	20.00		72.6601		1,453.20	76.88	73.86	73.13
61+780.00		73.6196	20.00		76.9413		1,538.83	76.88	73.74	73.06
61+800.00		80.2629	20.00		83.7658		1,675.32	76.88	73.67	72.94
61+820.00		87.2686	20.00		90.4778		1,809.56	76.88	73.59	72.87
61+840.00		93.6869	20.00		96.9001		1,938.00	76.88	73.42	72.79
61+860.00		100.1132	20.00		100.7524		2,015.05	76.88	73.33	72.62
61+880.00		101.3915	20.00		108.2719		2,165.44	76.88	73.30	72.53
61+900.00		115.1523	20.00		115.2462		2,304.92	76.88	73.22	72.50
61+920.00		115.3401	20.00		117.0897		2,341.79	76.88	73.11	72.42
61+940.00		118.8392	20.00		118.4731		2,369.46	76.88	73.07	72.31
61+960.00		118.1070	20.00		118.5243		2,370.49	76.88	73.03	72.27
61+980.00		118.9416	20.00		114.6757		2,293.51	76.88	73.09	72.23
62+000.00		110.4098	20.00		114.5923		2,291.85	76.88	73.89	72.29
62+020.00		118.7748	20.00		117.9413		2,358.83	76.88	73.09	72.29
62+040.00		117.1078	20.00		119.2401		2,384.80	76.88	73.09	72.29
62+060.00		121.3724	20.00		120.2716		2,405.43	76.88	73.06	72.26
62+080.00		119.1708	20.00		119.8657		2,397.31	76.88	73.06	72.26
62+100.00		120.5606	20.00		121.5355		2,430.71	76.88	73.06	72.26
62+120.00		122.5104	20.00		122.5093		2,450.19	76.88	73.07	72.27

Planilla de Volumen de Movimiento de Suelo

Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
62+140.00		122.5081	20.00		123.0090		2,460.18	76.88	72.83	72.03
62+160.00		123.5098	20.00		124.1538		2,483.08	76.88	72.79	71.99
62+180.00		124.7977	20.00		123.2025		2,464.05	76.88	72.95	72.15
62+200.00		121.6073	20.00		120.2654		2,405.31	76.88	73.03	72.23
62+220.00		118.9235	20.00		117.7171		2,354.34	76.88	73.01	72.21
62+240.00		116.5106	20.00		117.0368		2,340.74	76.88	73.04	72.24
62+260.00		117.5629	20.00		117.2471		2,344.94	76.88	73.08	72.28
62+280.00		116.9312	20.00		112.2410		2,244.82	76.88	73.09	72.29
62+300.00		107.5507	20.00		112.2469		2,244.94	76.88	73.11	72.31
62+320.00		116.9431	20.00		116.7426		2,334.85	76.88	73.01	72.21
62+340.00		116.5420	20.00		116.4002		2,328.00	76.88	73.04	72.24
62+360.00		116.2583	20.00		115.1886		2,303.77	76.88	73.04	72.24
62+380.00		114.1188	20.00		113.6431		2,272.86	76.88	73.08	72.28
62+400.00		113.1673	20.00		114.8075		2,296.15	76.88	73.04	72.24
62+420.00		116.4477	20.00		117.4477		2,348.95	76.88	73.05	72.25
62+440.00		118.4477	20.00		119.1310		2,382.62	76.88	73.03	72.23
62+460.00		119.8143	20.00		118.6061		2,372.12	76.87	72.73	71.93
62+480.00		117.3979	20.00		118.7213		2,374.43	76.87	72.99	72.19
62+500.00		120.0447	20.00		121.8864		2,437.73	76.87	73.11	72.31
62+520.00		123.7280	20.00		123.7647		2,475.29	76.87	73.03	72.23
62+540.00		123.8014	20.00		122.2388		2,444.78	76.87	73.02	72.22
62+560.00		120.6762	20.00		117.9544		2,359.09	76.87	73.11	72.31
62+580.00		115.2325	20.00		112.9828		2,259.66	76.87	73.19	72.39
62+600.00		110.7330	20.00		107.7275		2,154.55	76.87	73.19	72.39
62+620.00		104.7219	20.00		99.7538		1,995.08	76.87	73.25	72.45
62+640.00		94.7856	20.00		90.4498		1,809.00	76.87	73.42	72.62
62+660.00		86.1139	20.00		82.7155		1,654.31	76.87	73.56	72.76
62+680.00		79.3170	20.00		81.0661		1,621.32	76.87	73.50	72.70
62+700.00		82.8151	20.00		84.9961		1,699.92	76.87	73.49	72.69
62+720.00		87.1770	20.00		89.1675		1,783.35	76.87	73.33	72.53
62+740.00		91.1579	20.00		95.5261		1,910.52	76.87	73.24	72.44
62+760.00		99.8943	20.00		103.9599		2,079.20	76.87	73.10	72.30
62+780.00		108.0254	20.00		111.6507		2,233.01	76.87	72.89	72.09
62+800.00		115.2760	20.00		115.4138		2,308.28	76.87	72.75	71.95
62+820.00		115.5515	20.00		116.1237		2,322.47	76.87	72.68	71.88
62+840.00		116.6958	20.00		117.4357		2,348.71	76.87	72.61	71.81
62+860.00		118.1756	20.00		119.0892		2,381.78	76.87	72.59	71.79
62+880.00		120.0027	20.00		121.0099		2,420.20	76.87	72.53	71.73
62+900.00		122.0171	20.00		122.4384		2,448.77	76.87	72.55	71.75
62+920.00		122.8597	20.00		107.8376		2,156.75	76.87	72.47	71.67
62+940.00		92.8154	20.00		92.8708		1,857.42	76.87	72.51	71.71
62+960.00		92.9261	20.00		92.8269		1,856.54	76.87	72.56	71.76
62+980.00		92.7277	20.00		92.6728		1,853.46	76.87	72.61	71.81
63+000.00		92.6178	20.00		86.2445		1,724.89	76.87	72.66	71.86
63+020.00		79.8712	20.00		80.6305		1,612.61	76.87	72.41	71.91
63+040.00		81.3897	20.00		80.6342		1,612.68	76.87	72.30	71.80
63+060.00		79.8787	20.00		81.6947		1,633.89	76.87	72.25	71.75
63+080.00		83.5107	20.00		81.4920		1,629.84	76.87	72.18	71.68
63+100.00		79.4732	20.00		81.9765		1,639.53	76.87	72.14	71.64
63+120.00		84.4798	20.00		85.7739		1,715.48	76.87	71.84	71.34
63+140.00		87.0679	20.00		86.8049		1,736.10	76.87	72.10	71.60
63+160.00		86.5418	20.00		83.2506		1,665.01	76.87	72.07	71.57
63+180.00		79.9593	20.00		85.1719		1,703.44	76.87	72.11	71.61
63+200.00		90.3845	20.00		96.1264		1,922.53	76.87	72.12	71.62
63+220.00		101.8683	20.00		96.7704		1,935.41	76.87	72.16	71.66
63+240.00		91.6724	20.00		92.5292		1,850.58	76.87	72.17	71.67
63+260.00		93.3860	20.00		92.0254		1,840.51	76.87	72.22	71.72
63+280.00		90.6647	20.00		91.0279		1,820.56	76.87	72.25	71.75
63+300.00		91.3910	20.00		89.4358		1,788.72	76.87	72.28	71.78
63+320.00		87.4806	20.00		85.8967		1,717.93	76.87	72.31	71.81
63+340.00		84.3127	20.00		83.5651		1,671.30	76.87	72.36	71.86
63+360.00		82.8174	20.00		81.2531		1,625.06	76.87	72.38	71.88
63+380.00		79.6887	20.00		81.8334		1,636.67	76.87	72.42	71.92
63+400.00		83.9781	20.00		83.6355		1,672.71	76.87	72.34	71.84

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
63+420.00		83.2929	20.00		86.4826		1,729.65	76.87	72.39	71.89
63+440.00		89.6722	20.00		86.1664		1,723.33	76.87	72.37	71.87
63+460.00		82.6605	20.00		82.7116		1,654.23	76.87	72.20	71.70
63+480.00		82.7627	20.00		88.6117		1,772.23	76.87	72.18	71.68
63+500.00		94.4607	20.00		90.3977		1,807.95	76.87	72.12	71.62
63+520.00		86.3346	20.00		83.5648		1,671.30	76.87	72.00	71.50
63+540.00		80.7949	20.00		82.8562		1,657.12	76.87	71.89	71.39
63+560.00		84.9175	20.00		84.2018		1,684.04	76.87	71.90	71.40
63+580.00		83.4861	20.00		83.2252		1,664.50	76.87	71.90	71.40
63+600.00		82.9642	20.00		83.2608		1,665.22	76.87	71.93	71.43
63+620.00		83.5574	20.00		82.0620		1,641.24	76.87	71.97	71.47
63+640.00		80.5666	20.00		80.3777		1,607.55	76.87	72.08	71.58
63+660.00		80.1888	20.00		83.1667		1,663.33	76.87	72.08	71.58
63+680.00		86.1445	20.00		87.0392		1,740.78	76.87	71.98	71.48
63+700.00		87.9338	20.00		88.1767		1,763.53	76.87	71.96	71.46
63+720.00		88.4196	20.00		88.8133		1,776.27	76.87	71.96	71.46
63+740.00		89.2070	20.00		91.1860		1,823.72	76.87	71.88	71.38
63+760.00		93.1650	20.00		93.6814		1,873.63	76.87	71.84	71.34
63+780.00		94.1978	20.00		92.6091		1,852.18	76.87	71.83	71.33
63+800.00		91.0203	20.00		92.4740		1,849.48	76.87	71.75	71.25
63+820.00		93.9276	20.00		95.5824		1,911.65	76.87	71.65	71.15
63+840.00		97.2372	20.00		96.6881		1,933.76	76.87	71.68	71.18
63+860.00		96.1389	20.00		95.5854		1,911.71	76.87	71.51	71.01
63+880.00		95.0319	20.00		94.8124		1,896.25	76.87	71.67	71.17
63+900.00		94.5929	20.00		96.1290		1,922.58	76.87	71.68	71.18
63+920.00		97.6651	20.00		97.2084		1,944.17	76.87	71.70	71.20
63+940.00		96.7517	20.00		95.0740		1,901.48	76.87	71.72	71.22
63+960.00		93.3963	20.00		94.4428		1,888.86	76.87	71.74	71.24
63+980.00		95.4892	20.00		96.1346		1,922.69	76.87	71.63	71.13
64+000.00		96.7799	20.00		96.8603		1,937.21	76.87	71.62	71.12
64+020.00		96.9407	20.00		96.2239		1,924.48	76.87	71.59	71.09
64+040.00		95.5070	20.00		95.8988		1,917.98	76.87	71.76	71.26
64+060.00		96.2906	20.00		96.7060		1,934.12	76.86	71.73	71.23
64+080.00		97.1214	20.00		98.7066		1,974.13	76.86	71.73	71.23
64+100.00		100.2917	20.00		101.0840		2,021.68	76.86	71.47	70.97
64+120.00		101.8762	20.00		100.4981		2,009.96	76.86	71.52	71.02
64+140.00		99.1200	20.00		97.6973		1,953.95	76.86	71.57	71.07
64+160.00		96.2745	20.00		97.3820		1,947.64	76.86	71.77	71.27
64+180.00		98.4895	20.00		99.8138		1,996.28	76.86	71.80	71.30
64+200.00		101.1380	20.00		98.9195		1,978.39	76.86	71.61	71.11
64+220.00		96.7010	20.00		98.0845		1,961.69	76.86	71.93	71.43
64+240.00		99.4679	20.00		99.3582		1,987.16	76.86	71.76	71.26
64+260.00		99.2484	20.00		98.5519		1,971.04	76.86	71.74	71.24
64+280.00		97.8553	20.00		99.4842		1,989.68	76.86	71.86	71.36
64+300.00		101.1131	20.00		100.9828		2,019.66	76.86	71.58	71.08
64+320.00		100.8525	20.00		101.0845		2,021.69	76.86	71.70	71.20
64+340.00		101.3164	20.00		102.3480		2,046.96	76.86	71.75	71.25
64+360.00		103.3796	20.00		102.7223		2,054.45	76.86	71.74	71.24
64+380.00		102.0649	20.00		96.8688		1,937.38	76.86	71.58	71.08
64+400.00		91.6726	20.00		95.4545		1,909.09	76.86	71.55	71.05
64+420.00		99.2363	20.00		100.3998		2,008.00	76.86	71.57	71.07
64+440.00		101.5633	20.00		101.5234		2,030.47	76.86	71.63	71.13
64+460.00		101.4834	20.00		98.1531		1,963.06	76.86	71.65	71.15
64+480.00		94.8227	20.00		97.7646		1,955.29	76.86	72.02	71.52
64+500.00		100.7065	20.00		102.6761		2,053.52	76.86	71.91	71.41
64+520.00		104.6457	20.00		103.2725		2,065.45	76.86	71.69	71.19
64+540.00		101.8993	20.00		104.4467		2,088.93	76.86	71.57	71.07
64+560.00		106.9941	20.00		106.6352		2,132.70	76.86	71.16	70.66
64+580.00		106.2762	20.00		107.9527		2,159.05	76.86	71.10	70.60
64+600.00		109.6292	20.00		110.0887		2,201.77	76.86	70.76	70.26
64+620.00		110.5482	20.00		112.1319		2,242.64	76.86	70.68	70.18
64+640.00		113.7156	20.00		113.5588		2,271.18	76.86	70.71	70.21
64+660.00		113.4019	20.00		113.1388		2,262.78	76.86	70.71	70.21
64+680.00		112.8757	20.00		113.8654		2,277.31	76.86	70.66	70.16

Planilla de Volumen de Movimiento de Suelo

Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
64+700.00		114.8550	20.00		116.1170		2,322.34	76.86	70.58	70.08
64+720.00		117.3790	20.00		118.5561		2,371.12	76.86	70.58	70.08
64+740.00		119.7331	20.00		117.3075		2,346.15	76.86	70.45	69.95
64+760.00		114.8819	20.00		116.5680		2,331.36	76.86	70.65	70.15
64+780.00		118.2540	20.00		117.0457		2,340.91	76.86	70.49	69.99
64+800.00		115.8374	20.00		115.1420		2,302.84	76.86	70.45	69.95
64+820.00		114.4466	20.00		115.3557		2,307.11	76.86	70.54	70.04
64+840.00		116.2647	20.00		117.6022		2,352.04	76.86	70.51	70.01
64+860.00		118.9397	20.00		119.3635		2,387.27	76.86	70.54	70.04
64+880.00		119.7873	20.00		120.9625		2,419.25	76.86	70.46	69.96
64+900.00		122.1376	20.00		120.5146		2,410.29	76.86	70.49	69.99
64+920.00		118.8915	20.00		120.7394		2,414.79	76.86	70.56	70.06
64+940.00		122.5872	20.00		123.6322		2,472.64	76.86	70.54	70.04
64+960.00		124.6771	20.00		124.3778		2,487.56	76.86	70.46	69.96
64+980.00		124.0785	20.00		123.0227		2,460.45	76.86	70.49	69.99
65+000.00		121.9669	20.00		124.1347		2,482.69	76.86	70.59	70.09
65+020.00		126.3025	20.00		125.9232		2,518.46	76.86	70.44	69.94
65+040.00		125.5439	20.00		126.5635		2,531.27	76.86	70.42	69.92
65+060.00		127.5831	20.00		125.4536		2,509.07	76.86	70.36	69.86
65+080.00		123.3241	20.00		125.4743		2,509.49	76.86	70.39	69.89
65+100.00		127.6245	20.00		126.3828		2,527.66	76.86	70.36	69.86
65+120.00		125.1411	20.00		119.5225		2,390.45	76.86	70.37	69.87
65+140.00		113.9038	20.00		118.8868		2,377.74	76.86	70.58	70.08
65+160.00		123.8697	20.00		124.2997		2,485.99	76.86	70.26	69.76
65+180.00		124.7296	20.00		125.5081		2,510.16	76.86	70.21	69.71
65+200.00		126.2865	20.00		125.4616		2,509.23	76.86	70.24	69.74
65+220.00		124.6366	20.00		125.1707		2,503.41	76.86	70.31	69.81
65+240.00		125.7047	20.00		125.4382		2,508.76	76.86	70.17	69.67
65+260.00		125.1717	20.00		123.0071		2,460.14	76.86	70.22	69.72
65+280.00		120.8424	20.00		120.2347		2,404.69	76.86	70.34	69.84
65+300.00		119.6270	20.00		119.2615		2,385.23	76.86	70.44	69.94
65+320.00		118.8960	20.00		114.8600		2,297.20	76.86	70.32	69.82
65+340.00		110.8240	20.00		111.7741		2,235.48	76.86	70.66	70.16
65+360.00		112.7242	20.00		113.1391		2,262.78	76.86	70.97	70.47
65+380.00		113.5540	20.00		111.6499		2,233.00	76.86	71.07	70.57
65+400.00		109.7458	20.00		111.7134		2,234.27	76.86	71.18	70.68
65+420.00		113.6809	20.00		112.9623		2,259.25	76.86	71.02	70.52
65+440.00		112.2437	20.00		108.6357		2,172.71	76.86	71.02	70.52
65+460.00		105.0277	20.00		105.7365		2,114.73	76.86	71.37	70.87
65+480.00		106.4453	20.00		106.5243		2,130.49	76.86	71.32	70.82
65+500.00		106.6033	20.00		112.2094		2,244.19	76.86	71.17	70.67
65+520.00		117.8155	20.00		121.1414		2,422.83	76.86	70.62	70.12
65+540.00		124.4673	20.00		121.8157		2,436.31	76.86	70.23	69.73
65+560.00		119.1640	20.00		118.0842		2,361.68	76.86	70.32	69.82
65+580.00		117.0043	20.00		116.4528		2,329.06	76.86	70.48	69.98
65+600.00		115.9013	20.00		115.9785		2,319.57	76.86	70.45	69.95
65+620.00		116.0556	20.00		118.3062		2,366.12	76.86	70.48	69.98
65+640.00		120.5568	20.00		118.0681		2,361.36	76.86	70.48	69.98
65+660.00		115.5794	20.00		115.6212		2,312.42	76.86	70.58	70.08
65+680.00		115.6630	20.00		113.9392		2,278.78	76.86	70.62	70.12
65+700.00		112.2153	20.00		109.5258		2,190.52	76.86	70.65	70.15
65+720.00		106.8362	20.00		104.2586		2,085.17	76.86	70.72	70.22
65+740.00		101.6810	20.00		104.0427		2,080.85	76.86	70.83	70.33
65+760.00		106.4043	20.00		105.0717		2,101.43	76.86	71.02	70.52
65+780.00		103.7391	20.00		104.7911		2,095.82	76.86	70.89	70.39
65+800.00		105.8431	20.00		104.7748		2,095.50	76.86	70.86	70.36
65+820.00		103.7064	20.00		95.7982		1,915.96	76.86	70.82	70.32
65+840.00		87.8899	20.00		87.6438		1,752.88	76.85	71.42	70.92
65+860.00		87.3976	20.00		88.5137		1,770.27	76.85	71.34	70.84
65+880.00		89.6297	20.00		88.4624		1,769.25	76.85	71.29	70.79
65+900.00		87.2950	20.00		89.1656		1,783.31	76.85	71.46	70.96
65+920.00		91.0362	20.00		90.3544		1,807.09	76.85	71.44	70.94
65+940.00		89.6726	20.00		89.3366		1,786.73	76.85	71.39	70.89
65+960.00		89.0005	20.00		89.0025		1,780.05	76.85	71.63	71.13

(Ochenta y Cinco)

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
65+980.00		89.0044	20.00		88.3563		1,767.13	76.85	71.67	71.17
66+000.00		87.7082	20.00		87.5356		1,750.71	76.85	71.71	71.21
66+020.00		87.3630	20.00		85.5214		1,710.43	76.85	71.74	71.24
66+040.00		83.6797	20.00		82.2745		1,645.49	76.85	71.84	71.34
66+060.00		80.8692	20.00		84.4581		1,689.16	76.85	72.01	71.51
66+080.00		88.0469	20.00		86.6487		1,732.97	76.85	71.83	71.33
66+100.00		85.2504	20.00		87.6142		1,752.28	76.85	71.74	71.24
66+120.00		89.9780	20.00		91.0066		1,820.13	76.85	71.74	71.24
66+140.00		92.0352	20.00		92.1787		1,843.57	76.85	71.73	71.23
66+160.00		92.3222	20.00		92.1336		1,842.67	76.85	71.74	71.24
66+180.00		91.9450	20.00		90.3749		1,807.50	76.85	71.77	71.27
66+200.00		88.8048	20.00		84.1166		1,682.33	76.85	71.93	71.43
66+220.00		79.4284	20.00		80.3527		1,607.05	76.85	72.22	71.72
66+240.00		81.2769	20.00		79.5938		1,591.88	76.85	71.95	71.45
66+260.00		77.9107	20.00		79.2806		1,585.61	76.85	72.09	71.59
66+280.00		80.6504	20.00		80.1776		1,603.55	76.85	71.90	71.40
66+300.00		79.7047	20.00		78.8544		1,577.09	76.85	71.87	71.37
66+320.00		78.0041	20.00		79.2477		1,584.95	76.85	71.92	71.42
66+340.00		80.4913	20.00		82.1737		1,643.47	76.85	71.90	71.40
66+360.00		83.8560	20.00		83.7373		1,674.75	76.85	71.85	71.35
66+380.00		83.6185	20.00		80.9500		1,619.00	76.85	71.88	71.38
66+400.00		78.2815	20.00		78.2301		1,564.60	76.85	72.02	71.52
66+420.00		78.1787	20.00		77.8935		1,557.87	76.85	72.00	71.50
66+440.00		77.6083	20.00		78.3736		1,567.47	76.85	72.00	71.50
66+460.00		79.1388	20.00		80.2658		1,605.32	76.85	71.92	71.42
66+480.00		81.3928	20.00		79.7130		1,594.26	76.85	71.95	71.45
66+500.00		78.0332	20.00		79.0494		1,580.99	76.85	72.01	71.51
66+520.00		80.0656	20.00		77.5513		1,551.03	76.85	71.98	71.48
66+540.00		75.0370	20.00		75.8524		1,517.05	76.85	72.11	71.61
66+560.00		76.6677	20.00		76.1463		1,522.93	76.85	72.03	71.53
66+580.00		75.6249	20.00		75.3423		1,506.85	76.85	72.14	71.64
66+600.00		75.0597	20.00		74.0044		1,480.09	76.85	72.11	71.61
66+620.00		72.9490	20.00		73.2206		1,464.41	76.85	72.13	71.63
66+640.00		73.4922	20.00		72.9155		1,458.31	76.85	72.20	71.70
66+660.00		72.3387	20.00		72.9259		1,458.52	76.87	72.15	71.65
66+680.00		73.5131	20.00		75.2730		1,505.46	76.92	72.13	71.63
66+700.00		77.0328	20.00		75.9189		1,518.38	77.02	72.07	71.57
66+720.00		74.8049	20.00		75.9224		1,518.45	77.15	72.21	71.71
66+740.00		77.0398	20.00		77.0800		1,541.60	77.30	72.17	71.67
66+760.00		77.1201	20.00		76.5406		1,530.81	77.44	72.21	71.71
66+780.00		75.9610	20.00		76.1720		1,523.44	77.59	72.22	71.72
66+800.00		76.3830	20.00		76.9888		1,539.78	77.72	72.39	71.89
66+820.00		77.5945	20.00		77.0545		1,541.09	77.81	72.26	71.76
66+840.00		76.5144	20.00		68.8101		1,376.20	77.86	72.47	71.97
66+860.00		61.1057	20.00		52.4361		1,048.72	77.87	73.06	72.56
66+880.00		43.7665	20.00		35.2537		705.07	77.86	74.11	73.61
66+900.00		26.7409	20.00		16.0319		320.64	77.85	75.05	74.55
66+920.00		5.3228						77.85	76.17	75.67
Totales:			66,860.00 ml			**-82.96 m³**	**2,310,198.01 m³**			

Empastado

Prog Inicial	Prog Final	Certificado	A ejecutar	Total
0+000	57+400	460,328.84		460,328.84
57+400	62+700		92,321.56	92,321.56
				552,650.40
			CM3 - ADOPTADO	570,000.00
			CM2	640,000.00
			Diferencia	-70,000.00

Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180.00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
			0.41913	0.56178	20	8.3826	11.24
0+20.00	0.83826	1.12356	1.00027	1.02177	20	20.0054	20.44
0+40.00	1.16228	0.91998	1.04859	1.179365	20	20.9718	23.59
0+60.00	0.9349	1.43875	1.009405	1.54183	20	20.1881	30.84
0+80.00	1.08391	1.64491	1.167885	1.385185	20	23.3577	27.70
0+100.00	1.25186	1.12546	1.33605	1.148265	20	26.721	22.97
0+120.00	1.42024	1.17107	1.059535	1.075615	20	21.1907	21.51
0+140.00	0.69883	0.98016	0.74995	0.91816	20	14.999	18.36
0+160.00	0.80107	0.85616	0.885535	1.026875	20	17.7107	20.54
0+180.00	0.97	1.19759	1.046105	1.248865	20	20.9221	24.98
0+200.00	1.12221	1.30014	1.13816	1.24501	20	22.7632	24.90
0+220.00	1.15411	1.18988	1.10023	1.15122	20	22.0046	23.02
0+240.00	1.04635	1.11256	1.002475	1.052495	20	20.0495	21.05
0+260.00	0.9586	0.99243	0.915285	0.84752	20	18.3057	16.95
0+280.00	0.87197	0.70261	0.868835	0.66192	20	17.3767	13.24
0+300.00	0.8657	0.62123	0.85031	0.67492	20	17.0062	13.50
0+320.00	0.83492	0.72861	0.82917	0.741695	20	16.5834	14.83
0+340.00	0.82342	0.75478	0.72764	0.754	20	14.5528	15.08
0+360.00	0.63186	0.75322	0.621645	0.71189	20	12.4329	14.24
0+380.00	0.61143	0.67056	0.596285	0.6237	20	11.9257	12.47
0+400.00	0.58114	0.57684	0.58491	0.631465	20	11.6982	12.63
0+420.00	0.58868	0.68609	0.59081	0.65633	20	11.8162	13.13
0+440.00	0.59294	0.62657	0.50816	0.6274	20	10.1632	12.55
0+460.00	0.42338	0.62823	0.431055	0.62472	20	8.6211	12.49
0+480.00	0.43873	0.62121	0.524745	0.709255	20	10.4949	14.19
0+500.00	0.61076	0.7973	0.78302	0.89371	20	15.6604	17.87
0+520.00	0.95528	0.99012	1.02467	1.04592	20	20.4934	20.92
0+540.00	1.09406	1.10172	0.869195	1.033875	20	17.3839	20.68
0+560.00	0.64433	0.96603	0.90566	1.00736	20	18.1132	20.15
0+580.00	1.16699	1.04869	0.941005	1.005155	20	18.8201	20.10
0+600.00	0.71502	0.96162	0.59815	0.97326	20	11.963	19.47
0+620.00	0.48128	0.9849	0.65733	0.92408	20	13.1466	18.48
0+640.00	0.83338	0.86326	0.5764	0.775875	20	11.528	15.52
0+660.00	0.31942	0.68849	1.06438	0.344245	20	21.2876	6.88
0+680.00	1.80934		1.555865		20	31.1173	
0+700.00	1.30239		1.521285		20	30.4257	
0+720.00	1.74018		1.772845		20	35.4569	
0+740.00	1.80551		1.50582	0.086365	20	30.1164	1.73
0+760.00	1.20613	0.17273	1.444025	0.257605	20	28.8805	5.15
0+780.00	1.68192	0.34248	1.74801	0.345065	20	34.9602	6.90
0+800.00	1.8141	0.34765	1.702135	0.1781	20	34.0427	3.56
0+820.00	1.59017	0.00855	1.74223	0.13128	20	34.8446	2.63
0+840.00	1.89429	0.25401	1.799895	0.31851	20	35.9979	6.37
0+860.00	1.7055	0.38301	1.713815	0.28062	20	34.2763	5.61
0+880.00	1.72213	0.17823	1.72435	0.191825	20	34.487	3.84
0+900.00	1.72657	0.20542	1.629255	0.2821	20	32.5851	5.64
0+920.00	1.53194	0.35878	1.50086	0.26929	20	30.0172	5.39
0+940.00	1.46978	0.1798	1.494915	0.189475	20	29.8983	3.79
0+960.00	1.52005	0.19915	1.31302	0.099575	20	26.2604	1.99
0+980.00	1.10599		1.17279	0.0194	20	23.4558	0.39
1+000.00	1.23959	0.0388	1.09351	0.095055	20	21.8702	1.90
1+020.00	0.94743	0.15131	0.995	0.075655	20	19.9	1.51
1+040.00	1.04257		1.039725		20	20.7945	
1+060.00	1.03688		1.055015		20	21.1003	
1+080.00	1.07315		1.123075		20	22.4615	
1+100.00	1.173		1.173065		20	23.4613	
1+120.00	1.17313		1.29659		20	25.9318	
1+140.00	1.42005		1.538455		20	30.7691	
1+160.00	1.65686		1.741675		20	34.8335	
1+180.00	1.82649		1.603185		20	32.0637	
1+200.00	1.37988		1.19314	0.030505	20	23.8628	0.61
1+220.00	1.0064	0.06101	1.11831	0.030505	20	22.3662	0.61
1+240.00	1.23022		1.15575		20	23.115	
1+260.00	1.08128		1.202745	0.11595	20	24.0549	2.32
1+280.00	1.32421	0.2319	1.44958	0.33303	20	28.9916	6.66
1+300.00	1.57495	0.43416	0.95299	0.747335	20	19.0598	14.95
1+320.00	0.33103	1.06051	0.370425	1.06136	20	7.4085	22.20
1+340.00	0.40982	1.06221	0.43592	1.11582	20	8.7184	22.32
1+360.00	0.46202	1.16943	0.640595	1.233155	20	12.8119	24.66
1+380.00	0.81917	1.29688	0.890935	1.63316	20	17.8187	32.66

Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180.00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
1+400.00	0.9627	1.96944	1.03905	1.94764	20	20.781	38.95
1+420.00	1.1154	1.92584	1.265165	1.84136	20	25.3033	36.83
1+440.00	1.41493	1.75688	1.54936	2.03471	20	30.9872	40.69
1+460.00	1.68379	2.31254	1.7683	2.29776	20	35.366	45.96
1+480.00	1.85281	2.28298	2.17203	2.635665	20	43.4406	52.71
1+500.00	2.49125	2.98835	2.681275	3.22353	20	53.6255	64.47
1+520.00	2.8713	3.45871	3.18253	3.461885	20	63.6506	69.24
1+540.00	3.49376	3.46506	3.446695	3.52282	20	68.9339	70.46
1+560.00	3.39963	3.58058	3.480215	3.595075	20	69.6043	71.90
1+580.00	3.5608	3.60957	3.839335	3.564385	20	76.7867	71.29
1+600.00	4.11787	3.5192	4.07293	3.71843	20	81.4586	74.37
1+620.00	4.02799	3.91766	4.210495	3.986805	20	84.2099	79.74
1+640.00	4.393	4.05595	4.01435	3.82957	20	80.287	76.59
1+660.00	3.6357	3.60319	4.13178	3.61569	20	82.6356	72.31
1+680.00	4.62786	3.62819	5.126365	4.352665	20	102.5273	87.05
1+700.00	5.62487	5.07714	5.51261	4.63369	20	110.2522	92.67
1+720.00	5.40035	4.19024	5.319475	4.378345	20	106.3895	87.57
1+740.00	5.2386	4.56645	5.39695	4.487145	20	107.939	89.74
1+760.00	5.5553	4.40784	5.476245	4.28791	20	109.5249	85.76
1+780.00	5.39719	4.16798	5.711835	3.326355	20	114.2367	66.53
1+800.00	6.02648	2.48473	5.495655	2.560355	20	109.9131	51.21
1+820.00	4.96483	2.63598	4.72022	2.93349	20	94.4044	58.67
1+840.00	4.47561	3.231	4.235965	3.39144	20	84.7193	67.83
1+860.00	3.99632	3.55188	3.9193	3.38843	20	78.386	67.77
1+880.00	3.84228	3.22498	4.121945	3.32077	20	82.4389	66.42
1+900.00	4.40161	3.41656	4.24459	3.32902	20	84.8918	66.58
1+920.00	4.08757	3.24148	4.13477	3.30975	20	82.6954	66.20
1+940.00	4.18197	3.37802	4.250635	3.23378	20	85.0127	64.68
1+960.00	4.3193	3.08954	4.28367	3.36644	20	85.6734	67.33
1+980.00	4.24804	3.64334	4.194715	3.376355	20	83.8943	67.53
2+000.00	4.14139	3.10937	3.96546	3.40219	20	79.3092	68.04
2+020.00	3.78953	3.69501	4.086915	3.73944	20	81.7383	74.79
2+040.00	4.3843	3.78387	4.86204	3.675665	20	97.2408	73.51
2+060.00	5.33978	3.56746	5.353495	3.648295	20	107.0699	72.97
2+080.00	5.36721	3.72913	5.339995	3.569075	20	106.7999	71.38
2+100.00	5.31278	3.40902	5.526305	3.23925	20	110.5261	64.79
2+120.00	5.73983	3.06948	5.41643	3.109885	20	108.3286	62.20
2+140.00	5.09303	3.15029	5.32254	3.20115	20	106.4508	64.02
2+160.00	5.55205	3.25201	5.422435	3.33223	20	108.4487	66.64
2+180.00	5.29282	3.41245	5.10509	3.33754	20	102.1018	66.75
2+200.00	4.91736	3.26263	4.88264	3.288315	20	97.6528	65.77
2+220.00	4.84792	3.314	4.6938	3.545985	20	93.876	70.92
2+240.00	4.53968	3.77797	4.621315	3.67554	20	92.4263	73.51
2+260.00	4.70295	3.57311	4.50612	3.727585	20	90.1224	74.55
2+280.00	4.30929	3.88206	4.377925	3.65788	20	87.5585	73.16
2+300.00	4.44656	3.4337	4.468815	3.42183	20	89.3763	68.44
2+320.00	4.49107	3.40996	4.60786	3.69196	20	92.1572	73.84
2+340.00	4.72465	3.97396	4.809885	4.115825	20	96.1977	82.32
2+360.00	4.89512	4.25769	4.784795	3.988035	20	95.6959	79.76
2+380.00	4.67447	3.71838	4.67226	4.040365	20	93.4452	80.81
2+400.00	4.67005	4.36235	4.982935	4.306295	20	99.6587	86.13
2+420.00	5.29582	4.25024	4.92684	4.169285	20	98.5368	83.39
2+440.00	4.55786	4.08833	4.503335	3.802555	20	90.0667	76.05
2+460.00	4.44881	3.51678	4.471435	3.575905	20	89.4287	71.52
2+480.00	4.49406	3.63503	4.287905	3.60317	20	85.7581	72.06
2+500.00	4.08175	3.57131	4.009225	3.512475	20	80.1845	70.25
2+520.00	3.9367	3.45364	3.86401	3.425095	20	77.2802	68.50
2+540.00	3.79132	3.39655	3.649065	3.43689	20	72.9813	68.74
2+560.00	3.50681	3.47723	3.63008	3.5419	20	72.6016	70.84
2+580.00	3.75335	3.60657	3.77413	4.6367	20	75.4826	92.73
2+600.00	3.79491	5.66683	3.69899	4.93524	20	73.9798	98.70
2+620.00	3.60307	4.20365	3.56075	3.846805	20	71.215	76.94
2+640.00	3.51843	3.48996	3.359815	3.327235	20	67.1963	66.54
2+660.00	3.2012	3.16451	1.72088	3.53286	20	34.4176	70.66
2+680.00	0.24056	3.90121	1.689575	4.59585	20	33.7915	91.92
2+700.00	3.13859	5.29049	3.027185	4.897045	20	60.5437	97.94
2+720.00	2.91578	4.5036	3.11793	3.96239	20	62.3586	79.25
2+740.00	3.32008	3.42118	3.419355	3.127175	20	68.3871	62.54
2+760.00	3.51863	2.83317	3.398645	3.270295	20	67.9729	65.41
2+780.00	3.27866	3.70742	3.565415	4.01463	20	71.3083	80.29

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Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180.00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
2+800.00	3.85217	4.32184	3.46473	4.429255	20	69.2946	88.59
2+820.00	3.07729	4.53667	2.29202	2.268335	20	45.8404	45.37
2+840.00	1.50675		2.56752	1.21874	20	51.3504	24.37
2+860.00	3.62829	2.43748	3.420415	2.57559	20	68.4083	51.51
2+880.00	3.21254	2.7137	3.461705	3.094975	20	69.2341	61.90
2+900.00	3.71087	3.47625	4.278765	4.1906	20	85.5753	83.81
2+920.00	4.84666	4.90495	3.561175	2.452475	20	71.2235	49.05
2+940.00	2.27569		1.137845	1.30735	120	136.5414	156.88
3+060.00		2.6147	1.06051	4.33814	20	21.2102	86.76
3+080.00	2.12102	6.06158	2.08382	5.33718	20	41.6764	106.74
3+100.00	2.04662	4.61278	2.27236	4.77039	20	45.4472	95.41
3+120.00	2.4981	4.928	2.640355	5.407805	20	52.8071	108.16
3+140.00	2.78261	5.88761	2.553035	5.810245	20	51.0607	116.20
3+160.00	2.32346	5.73288	1.64398	6.17551	20	32.8796	123.51
3+180.00	0.9645	6.61814	0.921105	6.243485	20	18.4221	124.87
3+200.00	0.87771	5.86883	0.995465	5.46279	20	19.9093	109.26
3+220.00	1.11322	5.05675	1.263555	5.049955	20	25.2711	101.00
3+240.00	1.41389	5.04316	1.194745	4.99277	20	23.8949	99.86
3+260.00	0.9756	4.94238	1.10916	5.055845	20	22.1832	101.12
3+280.00	1.24272	5.16931	1.4424	5.20727	20	28.848	104.15
3+300.00	1.64208	5.24523	1.758355	5.266575	20	35.1671	105.33
3+320.00	1.87463	5.28792	2.01892	5.407075	20	40.3784	108.14
3+340.00	2.16321	5.52623	2.506105	5.629465	20	50.1221	112.59
3+360.00	2.849	5.7327	2.99328	5.64477	20	59.8656	112.90
3+380.00	3.13756	5.55684	3.38147	4.77071	20	67.6294	95.41
3+400.00	3.62538	3.98458	3.64654	3.95721	20	72.9308	79.14
3+420.00	3.6677	3.92984	3.714115	4.099205	20	74.2823	81.98
3+440.00	3.76053	4.26857	4.021105	3.91891	20	80.4221	78.38
3+460.00	4.28168	3.56925	3.98465	3.718385	20	79.693	74.37
3+480.00	3.68762	3.86752	3.375715	4.03468	20	67.5143	80.69
3+500.00	3.06381	4.20184	3.51133	3.99589	20	70.2266	79.92
3+520.00	3.95885	3.78994	3.935935	4.077045	20	78.7187	81.54
3+540.00	3.91302	4.36415	4.200505	4.09191	20	84.0101	81.84
3+560.00	4.48799	3.81967	4.4062	3.79515	20	88.124	75.90
3+580.00	4.32441	3.77063	4.279165	4.19483	20	85.5833	83.90
3+600.00	4.23392	4.61903	4.294575	4.736525	20	85.8915	94.73
3+620.00	4.35523	4.85402	4.33488	4.719575	20	86.6976	94.39
3+640.00	4.31453	4.58513	4.74771	4.692085	20	94.9542	93.84
3+660.00	5.18089	4.79904	5.1674	5.008425	20	103.348	100.17
3+680.00	5.15391	5.21781	5.397295	5.189545	20	107.9459	103.79
3+700.00	5.64068	5.16128	5.370765	5.09509	20	107.4153	101.90
3+720.00	5.10085	5.0289	5.20918	5.14898	20	104.1836	102.98
3+740.00	5.31751	5.26906	5.602425	5.21454	20	112.0485	104.29
3+760.00	5.88734	5.16002	5.89497	5.128395	20	117.8994	102.57
3+780.00	5.9026	5.09677	5.78271	5.09824	20	115.6542	101.96
3+800.00	5.66282	5.09971	5.40925	5.13026	20	108.185	102.61
3+820.00	5.15568	5.16081	5.2412	5.354855	20	104.824	107.10
3+840.00	5.32672	5.5489	4.6149	5.463305	20	92.298	109.27
3+860.00	3.90308	5.37771	4.62167	5.05068	20	92.4334	101.01
3+880.00	5.34026	4.72365	5.28111	5.04933	20	105.6222	100.99
3+900.00	5.22196	5.37501	5.417935	5.22036	20	108.3587	104.41
3+920.00	5.61391	5.06571	5.60128	4.622645	20	112.0256	92.45
3+940.00	5.58865	4.17958	5.626035	4.78986	20	112.5207	95.80
3+960.00	5.66342	5.40014	5.48979	5.44225	20	109.7958	108.85
3+980.00	5.31616	5.48436	5.543825	5.39191	20	110.8765	107.84
4+000.00	5.77149	5.29946	5.78539	5.369795	20	115.7078	107.40
4+020.00	5.79929	5.44013	5.788875	5.46091	20	115.7775	109.22
4+040.00	5.77846	5.48169	5.77141	5.349705	20	115.4282	106.99
4+060.00	5.76436	5.21772	5.734145	5.24609	20	114.6829	104.92
4+080.00	5.70393	5.27446	5.686535	5.328295	20	113.7307	106.57
4+100.00	5.66914	5.38213	5.60135	5.338655	20	112.027	106.77
4+120.00	5.53356	5.29518	5.47328	5.220885	20	109.4656	104.42
4+140.00	5.413	5.14659	5.35617	5.144725	20	107.1234	102.89
4+160.00	5.29934	5.14286	5.24531	4.9908	20	104.9062	99.82
4+180.00	5.19128	4.83874	5.12291	4.778535	20	102.4582	95.57
4+200.00	5.05454	4.71833	5.035585	4.791185	20	100.7117	95.82
4+220.00	5.01663	4.86404	5.04239	4.73044	20	100.8478	94.01
4+240.00	5.06815	4.59684	4.992395	4.791675	20	99.8479	95.83
4+260.00	4.91664	4.98651	4.870745	4.926325	20	97.4149	98.53
4+280.00	4.82485	4.86614	4.76226	4.814055	20	95.2452	96.28

Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180.00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
4+300.00	4.69967	4.76197	4.68384	4.70641	20	93.6768	94.13
4+320.00	4.66801	4.65085	4.72052	4.78224	20	94.4104	95.64
4+340.00	4.77303	4.91363	4.834715	4.828635	20	96.6943	96.57
4+360.00	4.8964	4.74364	4.959925	4.801225	20	99.1985	96.02
4+380.00	5.02345	4.85881	4.082485	4.5553	20	81.6497	91.11
4+400.00	3.14152	4.25179	3.77472	4.89236	20	75.4944	97.85
4+420.00	4.40792	5.53293	4.46523	5.758585	20	89.3046	115.17
4+440.00	4.52254	5.98424	4.44828	5.986175	20	88.9656	119.72
4+460.00	4.37402	5.98811	4.260065	6.034625	20	85.2013	120.69
4+480.00	4.14611	6.08114	4.018425	6.107145	20	80.3685	122.14
4+500.00	3.89074	6.13315	3.697665	6.157695	20	73.9533	123.15
4+520.00	3.50459	6.18224	3.363485	5.98866	20	67.2697	119.77
4+540.00	3.22238	5.79508	3.36423	5.85012	20	67.2846	117.00
4+560.00	3.50608	5.90516	3.683925	5.73907	20	73.6785	114.78
4+580.00	3.86177	5.57298	3.90559	5.745855	20	78.1118	114.92
4+600.00	3.94941	5.91873	4.277435	5.29867	20	85.5487	105.97
4+620.00	4.60546	4.67861	4.693155	4.71076	20	93.8631	94.22
4+640.00	4.78085	4.74291	4.93549	4.729915	20	98.7098	94.60
4+660.00	5.09013	4.71692	5.261435	4.795045	20	105.2287	95.90
4+680.00	5.43274	4.87317	5.38881	4.86884	20	107.7762	97.38
4+700.00	5.34488	4.86451	5.293205	4.78387	20	105.8641	95.68
4+720.00	5.24153	4.70323	5.18214	4.846235	20	103.6428	96.92
4+740.00	5.12275	4.98924	5.051765	4.85765	20	101.0353	97.15
4+760.00	4.98078	4.72606	5.129325	4.75378	20	102.5865	95.08
4+780.00	5.27787	4.7815	5.10562	5.38594	20	102.1124	107.72
4+800.00	4.93337	5.99038	4.937205	5.353815	20	98.7441	107.08
4+820.00	4.94104	4.71725	5.162135	4.663525	20	103.2427	93.27
4+840.00	5.38323	4.6098	5.552425	4.68165	20	111.0485	93.63
4+860.00	5.72162	4.7535	5.791295	4.99506	20	115.8259	99.90
4+880.00	5.86097	5.23662	5.8283	5.058885	20	116.566	101.18
4+900.00	5.79563	4.88115	3.859805	4.926405	20	77.1961	98.53
4+920.00	1.92398	4.97166	3.98443	5.095015	20	79.6886	101.90
4+940.00	6.04488	5.21837	6.008965	5.177725	20	120.1793	103.55
4+960.00	5.97305	5.13708	5.728625	5.20852	20	114.5725	104.17
4+980.00	5.4842	5.27996	4.68152	4.68276	20	93.6304	93.66
5+000.00	3.87884	4.08556	4.491755	4.704325	20	89.8351	94.09
5+020.00	5.10467	5.32309	5.086015	5.358425	20	101.7203	107.17
5+040.00	5.06736	5.39376	5.168275	5.519	20	103.3655	110.38
5+060.00	5.26919	5.64424	5.27843	5.5073	20	105.5686	110.15
5+080.00	5.28767	5.37036	5.4252	5.458845	20	108.504	109.18
5+100.00	5.56273	5.54733	5.653885	5.576485	20	113.0777	111.53
5+120.00	5.74504	5.60564	5.99802	6.02049	20	119.9604	120.41
5+140.00	6.251	6.43534	6.26523	6.43646	20	125.3046	128.73
5+160.00	6.27946	6.43758	6.216215	6.311085	20	124.3243	126.22
5+180.00	6.15297	6.18459	6.27788	6.356935	20	125.5576	127.14
5+200.00	6.40279	6.52928	6.38698	6.54509	20	127.7396	130.90
5+220.00	6.37117	6.5609	6.74906	6.43283	20	134.9812	128.66
5+240.00	7.12695	6.30476	7.01627	6.336385	20	140.3254	126.73
5+260.00	6.90559	6.36801	5.84511	5.58672	20	116.9022	111.73
5+280.00	4.78463	4.80543	5.558925	5.99623	20	111.1785	119.92
5+300.00	6.33322	7.18703	6.379075	7.232885	20	127.5815	144.66
5+320.00	6.42493	7.27874	6.6621	7.357795	20	133.242	147.16
5+340.00	6.89927	7.43685	7.008365	7.0558	20	140.1673	141.12
5+360.00	7.11746	6.67475	6.99097	7.05422	20	139.8194	141.08
5+380.00	6.86448	7.43369	6.98939	7.43211	20	139.7878	148.64
5+400.00	7.1143	7.43053	6.956185	7.509585	20	139.1237	150.19
5+420.00	6.79807	7.58864	6.859735	7.729365	20	137.1947	154.59
5+440.00	6.9214	7.87009	7.174385	7.854275	20	143.4877	157.09
5+460.00	7.42737	7.83846	7.631335	7.36254	20	152.6267	147.25
5+480.00	7.8353	6.88662	7.440015	6.934055	20	148.8003	138.68
5+500.00	7.04473	6.98149	6.774355	7.2487	20	135.4871	144.97
5+520.00	6.50398	7.51591	5.556835	6.317545	20	111.1367	126.35
5+540.00	4.60969	5.11918	5.997975	6.23691	20	119.9595	124.74
5+560.00	7.38626	7.35464	7.656845	7.377375	20	153.1369	147.55
5+580.00	7.92743	7.40011	8.683005	6.90145	20	173.6601	138.03
5+600.00	9.43858	6.40279	9.81805	6.44435	20	196.361	128.89
5+620.00	10.19752	6.48591	8.899405	7.976475	20	177.9881	159.53
5+640.00	7.60129	9.46704	8.05982	8.265375	20	161.1964	165.31
5+660.00	8.51835	7.06371	8.089865	7.22024	20	161.7973	144.40
5+680.00	7.66138	7.37677	8.23059	7.36096	20	164.6118	147.22

Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180.00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
5+700.00	8.7998	7.34515	8.434555	7.8021	20	168.6911	156.04
5+720.00	8.06931	8.25905	8.30648	7.674025	20	166.1296	153.48
5+740.00	8.54365	7.089	7.909615	6.240605	20	158.1923	124.81
5+760.00	7.27558	5.39221	7.52856	5.48448	20	150.5712	109.69
5+780.00	7.78154	5.57675	7.66928	5.671315	20	153.3856	113.43
5+800.00	7.55702	5.76588	7.20917	5.836125	20	144.1834	116.72
5+820.00	6.86132	5.90637	6.62257	5.792505	20	132.4514	115.85
5+840.00	6.38382	5.67864	6.668425	5.56417	20	133.3685	111.28
5+860.00	6.95303	5.4497	6.66684	5.54788	20	133.3368	110.96
5+880.00	6.38065	5.64606	6.16361	6.18011	20	123.2722	123.60
5+900.00	5.94657	6.71416	5.54497	6.64732	20	110.8994	132.95
5+920.00	5.14337	6.58048	5.353225	6.132875	20	107.0645	122.66
5+940.00	5.56308	5.68527	5.232125	5.703745	20	104.6425	114.07
5+960.00	4.90117	5.72222	4.856485	5.732395	20	97.1297	114.65
5+980.00	4.8118	5.74257	4.83977	5.72992	20	96.7954	114.60
6+000.00	4.86774	5.71727	4.87821	5.76028	20	97.5642	115.21
6+020.00	4.88868	5.80329	4.7648	5.810265	20	95.296	116.21
6+040.00	4.64092	5.81724	4.69326	5.717225	20	93.8652	114.34
6+060.00	4.7456	5.61721	4.32966	5.653925	20	86.5932	113.08
6+080.00	3.91372	5.69064	3.881315	5.41173	20	77.6263	108.23
6+100.00	3.84891	5.13282	4.10785	5.16856	20	82.157	103.37
6+120.00	4.36679	5.2043	4.32415	5.284365	20	86.483	105.69
6+140.00	4.28151	5.36443	4.16108	5.613965	20	83.2216	112.28
6+160.00	4.04065	5.8635	3.99173	5.89909	20	79.8346	117.98
6+180.00	3.94281	5.93468	4.18306	5.379205	20	83.6612	107.58
6+200.00	4.42331	4.82373	4.336185	4.764665	20	86.7237	95.29
6+220.00	4.24906	4.7056	4.38201	4.62204	20	87.6402	92.44
6+240.00	4.51496	4.53848	4.546755	4.512905	20	90.9351	90.26
6+260.00	4.57855	4.48733	4.556435	4.619265	20	91.1287	92.39
6+280.00	4.53432	4.7512	4.7457	4.873685	20	94.914	97.47
6+300.00	4.95708	4.99617	4.984765	5.05361	20	99.6953	101.07
6+320.00	5.01245	5.11105	4.274885	4.353825	20	85.4977	87.08
6+340.00	3.53732	3.5966	4.133805	4.39539	20	82.6761	87.91
6+360.00	4.73029	5.19418	4.95255	5.36987	20	99.051	107.40
6+380.00	5.17481	5.54556	5.03185	5.58532	20	100.637	111.71
6+400.00	4.88889	5.62508	5.07834	5.71352	20	101.5668	114.27
6+420.00	5.26779	5.80196	5.049945	5.5659	20	100.9989	111.32
6+440.00	4.8321	5.32984	4.867405	5.540995	20	97.3481	110.82
6+460.00	4.90271	5.75215	4.61003	5.68293	20	92.2006	113.66
6+480.00	4.31735	5.61371	4.76119	5.334775	20	95.2238	106.70
6+500.00	5.20503	5.05584	5.467125	5.06845	20	109.3425	101.37
6+520.00	5.72922	5.08106	5.523675	5.004435	20	110.4735	100.09
6+540.00	5.31813	4.92781	5.158435	4.99867	20	103.1687	99.97
6+560.00	4.99874	5.06953	5.504705	5.05711	20	110.0941	101.14
6+580.00	6.01067	5.04469	5.866785	5.043975	20	117.3357	100.88
6+600.00	5.7229	5.04326	5.865205	5.048985	20	117.3041	100.98
6+620.00	6.00751	5.05471	5.84906	5.00775	20	116.9812	100.16
6+640.00	5.69061	4.96079	6.163705	5.002545	20	123.2741	100.05
6+660.00	6.6368	5.0443	6.158535	5.00082	20	123.1707	100.02
6+680.00	5.68027	4.95734	5.09599	4.964335	20	101.9198	99.29
6+700.00	4.51171	4.97133	4.536195	5.16479	20	90.7239	103.30
6+720.00	4.56068	5.35825	4.51202	5.0198	20	90.2404	100.40
6+740.00	4.46336	4.68135	5.209395	4.55796	20	104.1879	91.16
6+760.00	5.95543	4.43457	6.176515	4.59709	20	123.5303	91.94
6+780.00	6.3976	4.75961	6.433555	4.66559	20	128.6711	93.31
6+800.00	6.46951	4.57157	6.409625	4.674385	20	128.1925	93.49
6+820.00	6.34974	4.7772	6.14765	5.028915	20	122.953	100.58
6+840.00	5.94556	5.28063	5.41216	4.38808	20	108.2432	87.76
6+860.00	4.87876	3.49553	4.824295	3.749745	20	96.4859	74.99
6+880.00	4.76983	4.00396	4.766705	3.92453	20	95.3341	78.49
6+900.00	4.76358	3.8451	4.57741	3.75293	20	91.5482	75.06
6+920.00	4.39124	3.66076	4.573415	3.872135	20	91.4683	77.44
6+940.00	4.75559	4.08351	4.590715	3.653175	20	91.8143	73.06
6+960.00	4.42584	3.22284	5.08876	3.686085	20	101.7752	73.72
6+980.00	5.75168	4.14933	5.830925	4.16732	20	116.6185	83.35
7+000.00	5.91017	4.18531	6.84285	4.74971	20	136.857	94.99
7+020.00	7.77553	5.31411	7.08141	4.765805	20	141.6282	79.32
7+040.00	6.38729	4.2175	6.640275	3.97844	20	132.8055	79.57
7+060.00	6.89326	3.73938	6.675275	3.723135	20	133.5055	74.46
7+080.00	6.45729	3.70689	6.234495	3.76701	20	124.6899	75.34

Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180.00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
7+100.00	6.0117	3.82713	5.59564	3.73474	20	111.9128	74.69
7+120.00	5.17958	3.64235	4.96448	3.55325	20	99.2896	71.07
7+140.00	4.74938	3.46415	4.616585	3.473925	20	92.3317	69.48
7+160.00	4.48379	3.4837	4.922515	3.509325	20	98.4503	70.19
7+180.00	5.36124	3.53495	5.43471	3.60428	20	108.6942	72.09
7+200.00	5.50818	3.67361	5.36588	3.482025	20	107.3176	69.64
7+220.00	5.22358	3.29044	4.14606	3.108375	20	82.9212	62.17
7+240.00	3.06854	2.92631	2.788105	2.69613	20	55.7621	53.92
7+260.00	2.50767	2.46595	2.41113	2.336155	20	48.2226	46.72
7+280.00	2.31459	2.20636	2.29523	1.89711	20	45.9046	37.94
7+300.00	2.27587	1.58786	2.13573	1.83622	20	42.7146	36.72
7+320.00	1.99559	2.08458	2.1059	2.043045	20	42.118	40.86
7+340.00	2.21621	2.00151	2.065435	1.900985	20	41.3087	38.02
7+360.00	1.91466	1.80046	2.035805	1.8365	20	40.7161	36.73
7+380.00	2.15695	1.87254	2.1865	1.7151	20	43.73	34.30
7+400.00	2.21605	1.55766	1.94938	1.562725	20	38.9876	31.25
7+420.00	1.68271	1.56779	1.521375	1.68037	20	30.4275	33.61
7+440.00	1.36004	1.79295	1.756645	1.782215	20	35.1329	35.64
7+460.00	2.15325	1.77148	1.925395	1.75699	20	38.5079	35.14
7+480.00	1.69754	1.7425	1.52721	1.65538	20	30.5442	33.11
7+500.00	1.35688	1.56826	1.599665	1.53054	20	31.9933	30.61
7+520.00	1.84245	1.49282	1.7354	1.587965	20	34.708	31.76
7+540.00	1.62835	1.68311	1.878265	1.687345	20	37.5653	33.75
7+560.00	2.12818	1.69158	2.171005	1.987385	20	43.4201	39.75
7+580.00	2.21383	2.28319	2.166365	2.31753	20	43.3273	46.35
7+600.00	2.1189	2.35187	2.327445	2.41433	20	46.5489	48.29
7+620.00	2.53599	2.47679	2.648275	2.49692	20	52.9655	49.94
7+640.00	2.76056	2.51705	2.85019	2.67742	20	57.0038	53.55
7+660.00	2.93982	2.83779	3.004655	3.18022	20	60.0931	63.60
7+680.00	3.06949	3.52265	3.27146	3.632775	20	65.4292	72.66
7+700.00	3.47343	3.7429	3.83374	3.905785	20	76.6748	78.12
7+720.00	4.19405	4.06867	4.311235	4.220925	20	86.2247	84.42
7+740.00	4.42842	4.37318	4.690745	4.8087	20	93.8149	96.17
7+760.00	4.95307	5.24422	4.95343	4.98927	20	99.0686	99.79
7+780.00	4.95379	4.73432	4.889785	4.489475	20	97.7957	89.79
7+800.00	4.82578	4.24463	4.48079	4.08895	20	89.6158	81.78
7+820.00	4.1358	3.93327	4.01295	3.71153	20	80.259	74.23
7+840.00	3.8901	3.48979	3.68848	3.438715	20	73.7696	68.77
7+860.00	3.48686	3.38764	3.404525	3.16409	20	68.0905	63.28
7+880.00	3.32219	2.94054	3.103595	2.8482	20	62.0719	56.96
7+900.00	2.885	2.75586	2.760245	2.633065	20	55.2049	52.66
7+920.00	2.63549	2.51027	2.53483	2.354115	20	50.6966	47.08
7+940.00	2.43417	2.19796	2.40333	2.05231	20	48.0666	41.05
7+960.00	2.37249	1.90666	3.050645	1.99657	20	61.0129	39.93
7+980.00	3.7288	2.08648	2.907525	1.947005	20	58.1505	38.94
8+000.00	2.08625	1.80753	1.940255	1.67697	20	38.8051	33.54
8+020.00	1.79426	1.54641	1.79777	1.39537	20	35.9554	27.91
8+040.00	1.80128	1.24433	1.75265	1.36303	20	35.053	27.26
8+060.00	1.70402	1.48173	1.78795	1.51951	20	35.759	30.39
8+080.00	1.87188	1.55729	1.91871	1.666965	20	38.3742	33.34
8+100.00	1.96554	1.77664	1.98613	1.697105	20	39.7226	33.94
8+120.00	2.00672	1.61757	2.07227	1.74597	20	41.4454	34.92
8+140.00	2.13782	1.87437	2.012675	2.104495	20	40.2535	42.09
8+160.00	1.88753	2.33462	2.012575	2.1223	20	40.2515	42.45
8+180.00	2.13762	1.90998	2.14839	1.98299	20	42.9678	39.66
8+200.00	2.15916	2.056	2.093055	2.13242	20	41.8611	42.65
8+220.00	2.02695	2.20884	2.40648	2.29838	20	48.1296	45.97
8+240.00	2.78601	2.38792	2.765335	2.618495	20	55.3067	52.37
8+260.00	2.74466	2.84907	2.80614	2.89734	20	56.1228	57.95
8+280.00	2.86762	2.94561	2.922305	3.033185	20	58.4461	60.66
8+300.00	2.97699	3.12076	3.05127	3.21105	20	61.0254	64.22
8+320.00	3.12555	3.30134	3.20225	3.31836	20	64.045	66.37
8+340.00	3.27895	3.33538	3.36302	3.661725	20	67.2604	73.23
8+360.00	3.44709	3.98807	3.4949	4.114	20	69.898	82.28
8+380.00	3.54271	4.23993	3.6835	4.079055	20	73.67	81.58
8+400.00	3.82429	3.91818	3.54097	4.058415	20	70.8194	81.17
8+420.00	3.25765	4.19865	3.579685	4.050925	20	71.5937	81.02
8+440.00	3.90172	3.9032	3.768775	4.16652	20	75.3755	83.33
8+460.00	3.63583	4.42984	3.717	4.142605	20	74.34	82.85
8+480.00	3.79817	3.85537	3.773925	4.062865	20	75.4785	81.26

Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180.00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
8+500.00	3.74968	4.27036	3.77037	4.23544	20	75.4074	84.71
8+520.00	3.79106	4.20052	3.70833	4.17661	20	74.1666	83.53
8+540.00	3.6256	4.1527	3.643655	3.93867	20	72.8731	78.77
8+560.00	3.66171	3.72464	3.559685	3.878685	20	71.1937	77.57
8+580.00	3.45766	4.03273	3.20627	3.936385	20	64.1254	78.73
8+600.00	2.95488	3.84004	2.918485	3.798735	20	58.3697	75.97
8+620.00	2.88209	3.75743	2.74738	3.764505	20	54.9476	75.29
8+640.00	2.61267	3.77158	2.46332	3.6325	20	49.2664	72.65
8+660.00	2.31397	3.49342	2.4157	3.345805	20	48.314	66.92
8+680.00	2.51743	3.19819	2.503425	3.19439	20	50.0685	63.89
8+700.00	2.48942	3.19059	2.215075	3.09465	20	44.3015	61.89
8+720.00	1.94073	2.99871	2.083535	2.680465	20	41.6707	53.61
8+740.00	2.22634	2.36222	2.316565	2.373075	20	46.3313	47.46
8+760.00	2.40679	2.38393	2.26634	2.27584	20	45.3268	45.52
8+780.00	2.12589	2.16775	2.082475	2.029215	20	41.6495	40.58
8+800.00	2.03906	1.89068	2.279215	1.96038	20	45.5843	39.21
8+820.00	2.51937	2.03008	2.692475	2.24668	20	53.8495	44.93
8+840.00	2.86558	2.46328	2.89596	2.697055	20	57.9192	53.94
8+860.00	2.92634	2.93083	3.01918	2.73782	20	60.3836	54.76
8+880.00	3.11202	2.54481	3.29053	2.659145	20	65.8106	53.18
8+900.00	3.46904	2.77348	3.307235	3.20886	20	66.1447	64.18
8+920.00	3.14543	3.64424	3.45396	3.60437	20	69.0792	72.09
8+940.00	3.76249	3.5645	3.805265	3.647265	20	76.1053	72.95
8+960.00	3.84804	3.73003	3.92182	3.89615	20	78.4364	77.92
8+980.00	3.9956	4.06227	3.920965	3.97779	20	78.4193	79.56
9+000.00	3.84633	3.89331	3.8267	3.96588	20	76.534	79.32
9+020.00	3.80707	4.03845	3.729785	3.999045	20	74.5957	79.98
9+040.00	3.6525	3.95964	3.686425	4.073735	20	73.7285	81.47
9+060.00	3.72035	4.18783	3.67649	4.13543	20	73.5298	82.71
9+080.00	3.63263	4.08303	3.543335	4.109095	20	70.8667	82.18
9+100.00	3.45404	4.13516	3.305465	3.865035	20	66.1093	77.30
9+120.00	3.15689	3.59491	3.163765	3.350195	20	63.2753	67.00
9+140.00	3.17064	3.10548	3.01825	2.85169	20	60.365	57.03
9+160.00	2.86586	2.5979	2.715115	2.705705	20	54.3023	54.11
9+180.00	2.56437	2.81351	2.48105	3.041205	20	49.621	60.82
9+200.00	2.39773	3.2689	2.2088	3.046905	20	44.176	60.94
9+220.00	2.01987	2.82491	1.922175	2.69917	20	38.4435	53.98
9+240.00	1.82448	2.57343	1.695465	2.62247	20	33.9093	52.45
9+260.00	1.56645	2.67151	1.682465	2.64874	20	33.6493	52.97
9+280.00	1.79848	2.62597	1.68874	2.36039	20	33.7748	47.21
9+300.00	1.579	2.09481	2.430935	2.06005	20	48.6187	41.20
9+320.00	3.28287	2.02529	2.80226	2.06891	20	56.0452	41.38
9+340.00	2.32165	2.11253	2.95242	2.20046	20	59.0484	44.01
9+360.00	3.58319	2.28839	3.833095	2.549665	20	76.6619	50.99
9+380.00	4.083	2.81094	3.960975	2.856335	20	79.2195	57.13
9+400.00	3.83895	2.90173	3.9368	3.030855	20	78.736	60.62
9+420.00	4.03465	3.15998	3.979215	3.051445	20	79.5843	61.03
9+440.00	3.92378	2.94291	3.986345	3.28111	20	79.7269	65.62
9+460.00	4.04891	3.61931	4.222205	3.844595	20	84.4441	76.89
9+480.00	4.3955	4.06988	5.094085	4.524815	20	101.8817	90.50
9+500.00	5.79267	4.97975	5.72689	5.01927	20	114.5378	100.39
9+520.00	5.66111	5.05879	5.71414	5.13773	20	114.2828	102.75
9+540.00	5.76717	5.21667	5.922125	5.306495	20	118.4425	106.13
9+560.00	6.07708	5.39632	5.866625	5.49609	20	117.3325	109.92
9+580.00	5.65617	5.59586	5.802695	5.713555	20	116.0539	114.27
9+600.00	5.94922	5.83125	5.99997	5.933225	20	119.9994	118.66
9+620.00	6.05072	6.0352	6.37064	6.347065	20	127.4128	126.94
9+640.00	6.69056	6.65893	6.390385	6.51347	20	127.8077	130.27
9+660.00	6.09021	6.36801	6.38564	6.39805	20	127.7128	127.96
9+680.00	6.68107	6.42809	6.62493	6.36168	20	132.4986	127.23
9+700.00	6.56879	6.29527	6.636	6.29369	20	132.72	125.87
9+720.00	6.70321	6.29211	6.62099	6.494495	20	132.4198	129.89
9+740.00	6.53877	6.69688	6.742735	6.79017	20	134.8547	135.80
9+760.00	6.9467	6.88346	6.76456	6.222085	20	135.2912	124.44
9+780.00	6.58242	5.56071	6.712385	6.21734	20	134.2477	124.35
9+800.00	6.84235	6.87397	6.807565	6.728505	20	136.1513	134.57
9+820.00	6.77278	6.58304	6.990975	6.6115	20	139.8195	132.13
9+840.00	7.20917	6.63996	7.0811	6.717435	20	141.622	134.35
9+860.00	6.95303	6.79491	6.74432	6.728505	20	134.8864	134.57
9+880.00	6.53561	6.6621	6.66052	6.502405	20	133.2104	130.05

Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180,00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
9+900.00	6.78543	6.34271	6.70321	6.101735	20	134.0642	122.03
9+920.00	6.62099	5.86076	6.296245	5.606035	20	125.9249	112.12
9+940.00	5.9715	5.35131	6.05433	5.617745	20	121.0866	112.35
9+960.00	6.13716	5.88418	5.885045	6.183015	20	117.7009	123.66
9+980.00	5.63293	6.48185	5.788335	6.41544	20	115.7667	128.31
10+000.00	5.94374	6.34903	6.20805	6.36326	20	124.161	127.27
10+020.00	6.47236	6.37749	6.189065	6.358515	20	123.7813	127.17
10+040.00	5.90577	6.33954	6.091035	6.224115	20	121.8207	124.48
10+060.00	6.2763	6.10869	6.322155	6.428085	20	126.4431	128.56
10+080.00	6.36801	6.74748	6.336385	6.79656	20	126.7277	135.93
10+100.00	6.30476	6.84564	6.54195	6.595155	20	130.839	131.90
10+120.00	6.77914	6.34467	5.918895	5.81049	20	118.3779	116.21
10+140.00	5.05865	5.27631	5.044475	5.74276	20	100.8895	114.86
10+160.00	5.0303	6.20921	5.058375	5.972595	20	101.1675	119.45
10+180.00	5.08645	5.73598	4.911045	5.905265	20	98.2209	118.11
10+200.00	4.73564	6.07455	4.814845	6.453705	20	96.2969	129.07
10+220.00	4.89405	6.83286	4.95288	6.265805	20	99.0576	125.32
10+240.00	5.01171	5.69875	5.139385	5.611045	20	102.7877	112.22
10+260.00	5.26706	5.52334	5.105705	5.092165	20	102.1141	101.84
10+280.00	4.94435	4.66099	4.94972	4.89267	20	98.9944	97.85
10+300.00	4.95509	5.12435	4.74046	5.071345	20	94.8092	101.43
10+320.00	4.52583	5.01834	4.71294	5.207135	20	94.2588	104.14
10+340.00	4.90005	5.39593	5.12218	5.139445	20	102.4436	102.79
10+360.00	5.34431	4.88296	5.17639	4.95468	20	103.5278	99.09
10+380.00	5.00847	5.0264	5.02178	4.96085	20	100.4356	99.22
10+400.00	5.03509	4.8953	5.45719	4.8873	20	109.1438	97.75
10+420.00	5.87929	4.8793	5.789935	5.067845	20	115.7987	101.36
10+440.00	5.70058	5.25639	5.37818	4.84287	20	107.5636	96.86
10+460.00	5.05578	4.42935	4.578745	4.157255	20	91.5749	83.15
10+480.00	4.10171	3.88516	2.75315	4.14859	20	55.063	82.97
10+500.00	1.40459	4.41202	2.723075	4.587	20	54.4615	91.74
10+520.00	4.04156	4.76198	4.08748	4.521445	20	81.7496	90.43
10+540.00	4.1334	4.28091	4.1781	4.504565	20	83.562	90.09
10+560.00	4.2228	4.72822	4.40248	4.814985	20	88.0496	96.30
10+580.00	4.58216	4.90175	4.770125	4.924285	20	95.4025	98.49
10+600.00	4.95809	4.94682	5.12698	4.83243	20	102.5396	96.65
10+620.00	5.29587	4.71804	5.46195	4.74912	20	109.239	94.98
10+640.00	5.62803	4.7802	5.472675	4.66619	20	109.4535	93.32
10+660.00	5.31732	4.55218	4.857075	4.479505	20	97.1415	89.59
10+680.00	4.39683	4.40683	4.511905	4.425255	20	90.2381	88.51
10+700.00	4.62698	4.44368	4.519705	4.734765	20	90.3941	94.70
10+720.00	4.41243	5.02585	4.56324	5.2166	20	91.2648	104.33
10+740.00	4.71405	5.40735	5.118865	5.32212	20	102.3773	106.44
10+760.00	5.52368	5.23689	5.640115	5.14196	20	112.8023	102.84
10+780.00	5.75655	5.04703	5.518105	4.74969	20	110.3621	94.99
10+800.00	5.27966	4.45235	5.042805	4.782995	20	100.8561	95.66
10+820.00	4.80595	5.11364	4.87023	5.20625	20	97.4046	104.13
10+840.00	4.93451	5.29886	5.011085	5.3197	20	100.2217	106.39
10+860.00	5.08766	5.34054	5.139765	5.581405	20	102.7953	111.63
10+880.00	5.19187	5.82227	5.121675	5.688145	20	102.4335	113.76
10+900.00	5.05148	5.55402	5.077625	5.424975	20	101.5525	108.50
10+920.00	5.10377	5.29593	5.25696	5.39769	20	105.1392	107.95
10+940.00	5.41015	5.49945	5.463935	5.413465	20	109.2787	108.27
10+960.00	5.51772	5.32748	5.34938	5.34554	20	106.9876	106.91
10+980.00	5.18104	5.3636	5.23139	5.576455	20	104.6278	111.53
11+000.00	5.28174	5.78931	5.02252	5.513075	20	100.4504	110.26
11+020.00	4.7633	5.23684	4.884065	5.13478	20	97.6813	102.70
11+040.00	5.00483	5.03272	4.87073	5.099225	20	97.4146	101.98
11+060.00	4.73663	5.16573	4.85289	5.174255	20	97.0578	103.49
11+080.00	4.96915	5.18278	4.95407	5.20636	20	99.0814	104.13
11+100.00	4.93899	5.22994	4.817145	5.182335	20	96.3429	103.65
11+120.00	4.6953	5.13473	4.7797	4.867755	20	95.594	97.36
11+140.00	4.8641	4.60078	4.87229	4.86096	20	97.4458	97.22
11+160.00	4.88048	5.12114	4.985885	5.11547	20	99.7177	102.31
11+180.00	5.09129	5.1098	4.857945	5.00235	20	97.1589	100.05
11+200.00	4.6246	4.8949	4.59469	4.98737	20	91.8938	99.75
11+220.00	4.56478	5.07984	4.25553	4.96869	20	85.1106	99.37
11+240.00	3.94628	4.85754	4.233305	5.016685	20	84.6661	100.33
11+260.00	4.52033	5.17583	4.32097	4.71928	20	86.4194	94.39
11+280.00	4.12161	4.26273	4.30165	4.502935	20	86.033	90.06

95 (Noventa y Cinco)

Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180.00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
11+300.00	4.48169	4.74314	4.34003	4.811075	20	86.8006	96.22
11+320.00	4.19837	4.87901	4.367695	4.886465	20	87.3539	97.73
11+340.00	4.53702	4.89392	4.518425	5.015865	20	90.3685	100.32
11+360.00	4.49983	5.13781	4.368955	4.889465	20	87.3791	97.79
11+380.00	4.23808	4.64112	4.3486	4.895415	20	86.972	97.91
11+400.00	4.45912	5.14971	4.72907	5.204825	20	94.5814	104.10
11+420.00	4.99902	5.25994	4.980635	5.71278	20	99.6127	114.26
11+440.00	4.96225	6.16562	4.986505	5.78721	20	99.7301	115.74
11+460.00	5.01076	5.4088	4.44228	5.21035	20	88.8456	104.21
11+480.00	3.8738	5.0119	4.406295	5.150575	20	88.1259	103.01
11+500.00	4.93879	5.28925	5.018865	5.517925	20	100.3773	110.36
11+520.00	5.09894	5.7466	5.101355	5.921325	20	102.0271	118.43
11+540.00	5.10377	6.09605	5.105095	5.952165	20	102.1019	119.04
11+560.00	5.10642	5.80828	5.102475	5.69511	20	102.0495	113.90
11+580.00	5.09853	5.58194	5.236355	5.460445	20	104.7271	109.21
11+600.00	5.37418	5.33895	5.12488	5.196165	20	102.4976	103.92
11+620.00	4.87558	5.05338	4.96106	5.063215	20	99.2212	101.26
11+640.00	5.04654	5.07305	5.08792	5.231955	20	101.7584	104.64
11+660.00	5.1293	5.39086	5.22252	5.59483	20	104.4504	111.90
11+680.00	5.31574	5.7988	5.149165	5.49838	20	102.9833	109.97
11+700.00	4.98259	5.19796	4.95598	5.19796	20	99.1196	103.96
11+720.00	4.92937	5.19796	5.02949	5.51261	20	100.5898	110.25
11+740.00	5.12961	5.82726	5.195115	5.62171	20	103.9023	112.43
11+760.00	5.26062	5.41616	5.43552	5.288405	20	108.7104	105.77
11+780.00	5.61042	5.16065	5.36949	5.2552	20	107.3898	105.10
11+800.00	5.12856	5.34975	4.951725	5.602735	20	99.0345	112.05
11+820.00	4.77489	5.85572	4.624665	5.711835	20	92.4933	114.24
11+840.00	4.47444	5.56795	4.44202	4.937595	20	88.8404	98.75
11+860.00	4.4096	4.30724	4.79904	4.671755	20	95.9808	93.44
11+880.00	5.18848	5.03627	5.25014	5.009795	20	105.0028	100.20
11+900.00	5.3118	4.98332	5.37505	5.21081	20	107.501	104.22
11+920.00	5.4383	5.4383	5.42462	5.46834	20	108.4924	109.37
11+940.00	5.41094	5.49838	5.48194	5.49838	20	109.6388	109.97
11+960.00	5.55294	5.49838	5.54614	5.3877	20	110.9228	107.75
11+980.00	5.53934	5.27702	5.469845	5.38612	20	109.3969	107.72
12+000.00	5.40035	5.49522	5.720525	5.63752	20	114.4105	112.75
12+020.00	6.0407	5.77982	6.015365	5.77824	20	120.3073	115.56
12+040.00	5.99003	5.77666	6.16821	5.713415	20	123.3642	114.27
12+060.00	6.34639	5.65017	6.257355	5.42881	20	125.1471	108.58
12+080.00	6.16832	5.20745	5.95881	5.158435	20	119.1762	103.17
12+100.00	5.7493	5.10942	5.77268	5.394025	20	115.4536	107.88
12+120.00	5.79606	5.67863	5.920705	5.55214	20	118.4141	111.04
12+140.00	6.04535	5.42565	5.980465	5.645425	20	119.6093	112.91
12+160.00	5.91558	5.8652	5.904675	5.7229	20	118.0935	114.46
12+180.00	5.89377	5.5806	5.97361	5.51577	20	119.4722	110.32
12+200.00	6.05345	5.45094	6.020025	5.593245	20	120.4005	111.86
12+220.00	5.9866	5.73555	5.97344	5.602735	20	119.4688	112.05
12+240.00	5.96028	5.46992	6.024325	5.77045	20	120.4865	115.41
12+260.00	6.08837	6.07098	6.13682	6.00641	20	122.7364	120.13
12+280.00	6.18527	5.94184	6.17483	5.882965	20	123.4966	117.66
12+300.00	6.16439	5.82409	6.191665	5.80828	20	123.8333	116.17
12+320.00	6.21894	5.79247	6.06747	5.90966	20	121.3494	118.19
12+340.00	5.916	6.02685	5.700535	5.596715	20	114.0107	111.93
12+360.00	5.48507	5.16658	5.55873	5.563895	20	111.1746	111.28
12+380.00	5.63239	5.96121	6.1678	5.80216	20	123.356	116.04
12+400.00	6.70321	5.64311	6.330375	5.60353	20	126.6075	112.07
12+420.00	5.95754	5.56395	6.045495	5.56052	20	120.9099	111.21
12+440.00	6.13345	5.55709	5.955005	5.59098	20	119.1001	111.82
12+460.00	5.77656	5.62487	5.9644	5.51141	20	119.288	110.23
12+480.00	6.15224	5.39795	5.83958	5.44452	20	116.7916	108.89
12+500.00	5.52692	5.49109	5.3482	5.48524	20	106.964	109.70
12+520.00	5.16948	5.47939	5.37375	5.31914	20	107.475	106.38
12+540.00	5.57802	5.15889	5.620965	5.06293	20	112.4193	101.26
12+560.00	5.66391	4.96697	5.661885	5.257235	20	113.2377	105.14
12+580.00	5.65986	5.5475	5.693285	5.376855	20	113.8657	107.54
12+600.00	5.72671	5.20621	5.749935	5.359515	20	114.9987	107.19
12+620.00	5.77316	5.51282	5.80245	5.648295	20	116.049	112.97
12+640.00	5.83174	5.78377	5.856535	5.821085	20	117.1307	116.42
12+660.00	5.88133	5.8584	5.79284	5.839225	20	115.8568	116.78
12+680.00	5.70435	5.82005	5.87546	5.64029	20	117.5092	112.81

96 (Noventa y Seis)

Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180.00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
12+700.00	6.04657	5.46053	5.96573	5.21775	20	119.3146	104.36
12+720.00	5.88489	4.97497	5.818945	4.993205	20	116.3789	99.86
12+740.00	5.753	5.01144	5.85293	5.302045	20	117.0586	106.04
12+760.00	5.95286	5.59265	5.93205	5.30157	20	118.641	106.03
12+780.00	5.91124	5.01049	5.919825	5.25752	20	118.3965	105.15
12+800.00	5.92841	5.50455	5.9766	5.430415	20	119.532	108.61
12+820.00	6.02479	5.35628	5.93937	5.726225	20	118.7874	114.52
12+840.00	5.85395	6.09617	5.8279	5.746435	20	116.558	114.93
12+860.00	5.80185	5.3967	5.95061	5.773145	20	119.0122	115.46
12+880.00	6.09937	6.14959	5.91165	6.14131	20	118.233	122.83
12+900.00	5.72393	6.13303	5.876775	6.139205	20	117.5355	122.78
12+920.00	6.02962	6.14538	6.112635	6.106015	20	122.2527	122.12
12+940.00	6.19565	6.06665	6.17441	6.095365	20	123.4882	121.91
12+960.00	6.15317	6.12408	6.010165	6.095895	20	120.2033	121.92
12+980.00	5.86716	6.06771	5.94872	6.219475	20	118.9744	124.39
13+000.00	6.03028	6.37124	5.85628	6.55424	20	117.1256	131.08
13+020.00	5.68228	6.73724	5.91954	6.595555	20	118.3908	131.91
13+040.00	6.1568	6.45387	6.1555	6.322155	20	123.11	126.44
13+060.00	6.1542	6.19044	6.09191	5.851	20	121.8382	117.02
13+080.00	6.02962	5.51156	5.838745	5.61748	20	116.7749	112.35
13+100.00	5.64787	5.7234	5.72326	5.761775	20	114.4652	115.24
13+120.00	5.79865	5.80015	5.815195	5.81014	20	116.3039	116.20
13+140.00	5.83174	5.82013	5.7816	5.84943	20	115.632	116.99
13+160.00	5.73146	5.87873	5.920165	6.246815	20	118.4033	124.94
13+180.00	6.10887	6.6149	6.45205	6.722385	20	129.041	134.45
13+200.00	6.79523	6.82987	6.775445	7.002425	20	135.5089	140.05
13+220.00	6.75566	7.17498	7.243305	7.148505	20	144.8661	142.97
13+240.00	7.73095	7.12203	8.213195	7.719	20	164.2639	154.38
13+260.00	8.69544	8.31597	9.003765	9.240935	20	180.0753	184.82
13+280.00	9.31209	10.1659	9.52396	10.45683	20	190.4792	209.14
13+300.00	9.73583	10.74776	9.94612	11.211035	20	198.9224	224.22
13+320.00	10.15641	11.67431	10.45999	11.946265	20	209.1998	238.93
13+340.00	10.76357	12.21822	11.17625	11.98263	20	223.525	239.65
13+360.00	11.58893	11.74704	11.905155	11.936775	20	238.1031	238.74
13+380.00	12.22138	12.12651	12.838025	12.47436	20	256.7605	249.49
13+400.00	13.45467	12.82221	14.38754	13.312365	20	287.7508	266.25
13+420.00	15.32041	13.80252	7.968115	7.20917	20	159.3623	144.18
13+440.00	0.61582	0.61582	0.61582	0.61582	20	12.3164	12.32
13+460.00	0.61582	0.61582	6.32373	7.33566	20	126.4746	146.71
13+480.00	12.03164	14.0555	13.04357	12.93289	20	260.8714	258.66
13+500.00	14.0555	11.81028	13.37561	12.00002	20	267.5122	240.00
13+520.00	12.69572	12.18976	12.55184	12.45697	20	251.0368	249.14
13+540.00	12.40796	12.72418	12.167625	12.452225	20	243.3525	249.04
13+560.00	11.92729	12.18027	12.28621	12.11228	20	245.7242	242.25
13+580.00	12.64513	12.04429	12.16446	11.690115	20	243.2892	233.80
13+600.00	11.68379	11.33594	11.1383	10.66396	20	222.766	213.28
13+620.00	10.59281	9.99198	9.84177	9.60237	20	196.8354	192.05
13+640.00	9.09073	9.21276	8.420325	8.892435	20	168.4065	177.85
13+660.00	7.74992	8.57211	7.601295	8.33747	20	152.0259	166.75
13+680.00	7.45267	8.10283	6.577745	7.866755	20	131.5549	157.34
13+700.00	5.70282	7.63068	6.16266	7.445015	20	123.2532	148.90
13+720.00	6.6225	7.25935	6.49367	7.122055	20	129.8734	142.44
13+740.00	6.36484	6.98476	6.082475	6.79076	20	121.6495	135.82
13+760.00	5.80011	6.59676	5.495875	6.2952	20	109.9175	125.90
13+780.00	5.19164	5.99364	4.74337	5.540445	20	94.8674	110.81
13+800.00	4.2951	5.08725	3.840625	4.584305	20	76.8125	91.69
13+820.00	3.38615	4.08136	3.259885	4.001345	20	65.1977	80.03
13+840.00	3.13362	3.92133	3.22934	3.579355	20	64.5868	71.59
13+860.00	3.32506	3.23738	3.28263	3.39826	20	65.6526	67.97
13+880.00	3.2402	3.55914	3.508165	3.597275	20	70.1633	71.95
13+900.00	3.77613	3.63541	3.616885	3.64383	20	72.3377	72.88
13+920.00	3.45764	3.65225	3.39646	3.520835	20	67.9292	70.42
13+940.00	3.33528	3.38942	3.28446	3.14381	20	65.6892	62.88
13+960.00	3.23364	2.8982	3.17449	2.730325	20	63.4898	54.61
13+980.00	3.11534	2.56245	2.85156	2.40505	20	57.0312	48.10
14+000.00	2.58778	2.24765	2.63092	2.124365	20	52.6184	42.49
14+020.00	2.67406	2.00108	2.47132	2.056905	20	49.4264	41.14
14+040.00	2.26858	2.11273	2.917065	2.161605	20	58.3413	43.23
14+060.00	3.56555	2.21048	3.56669	2.81438	20	71.3338	56.29
14+080.00	3.56783	3.41828	3.299785	3.70153	20	65.9957	74.03

97 (Noventa y Siete)

Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180.00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
14+100.00	3.03174	3.98478	3.141475	4.05736	20	62.8295	81.15
14+120.00	3.25121	4.12994	3.713745	4.1304	20	74.2749	82.61
14+140.00	4.17628	4.13086	4.042445	4.264485	20	80.8489	85.29
14+160.00	3.90861	4.39811	4.21409	4.19697	20	84.2818	83.94
14+180.00	4.51957	3.99583	4.68255	4.129985	20	93.651	82.60
14+200.00	4.84553	4.26414	4.604565	4.28673	20	92.0913	85.73
14+220.00	4.3636	4.30932	5.18898	4.605045	20	103.7796	92.10
14+240.00	6.01436	4.90077	6.01867	4.966825	20	120.3734	99.34
14+260.00	6.02298	5.03288	5.37252	4.39169	20	107.4504	87.83
14+280.00	4.72206	3.7505	4.804865	4.512075	20	96.0973	90.24
14+300.00	4.88767	5.27365	5.121435	5.17645	20	102.4287	103.53
14+320.00	5.3552	5.07925	5.322745	5.15321	20	106.4549	103.06
14+340.00	5.29029	5.22717	5.084005	5.002275	20	101.6801	100.05
14+360.00	4.87772	4.77738	4.92516	4.88242	20	98.5032	97.65
14+380.00	4.9726	4.98746	5.017955	5.095335	20	100.3591	101.91
14+400.00	5.06331	5.20321	4.42212	4.697735	20	88.4424	93.95
14+420.00	3.78093	4.19226	3.648465	4.14163	20	72.9693	82.83
14+440.00	3.516	4.091	3.66854	3.98262	20	73.3708	79.65
14+460.00	3.82108	3.87424	4.25147	4.036755	20	85.0294	80.74
14+480.00	4.68186	4.19927	4.73556	4.05255	20	94.7112	81.05
14+500.00	4.78926	3.90583	4.798805	4.201135	20	95.9761	84.02
14+520.00	4.80835	4.49644	4.58517	4.25509	20	91.7034	85.10
14+540.00	4.36199	4.01374	4.500155	3.874985	20	90.0031	77.50
14+560.00	4.63832	3.73623	4.38412	3.675035	20	87.6824	73.50
14+580.00	4.12992	3.61384	4.445225	3.77866	20	88.9045	75.57
14+600.00	4.76053	3.94348	4.71001	4.110225	20	94.2002	82.20
14+620.00	4.65949	4.27697	4.378515	4.08516	20	87.5703	81.70
14+640.00	4.09754	3.89335	4.349285	4.039645	20	86.9857	80.79
14+660.00	4.60103	4.18594	4.655255	4.230835	20	93.1051	84.62
14+680.00	4.70948	4.27573	4.35603	4.07528	20	87.1206	81.51
14+700.00	4.00258	3.87483	4.320095	4.197015	20	86.4019	83.94
14+720.00	4.63761	4.5192	5.454225	5.45025	20	109.0845	109.01
14+740.00	6.27084	6.3813	6.135295	5.95092	20	122.7059	119.02
14+760.00	5.99975	5.52054	6.068205	5.82521	20	121.3641	116.50
14+780.00	6.13666	6.12988	6.162575	6.154555	20	123.2515	123.09
14+800.00	6.18849	6.17923	5.840805	5.91416	20	116.8161	118.28
14+820.00	5.49312	5.64909	5.02715	5.09874	20	100.543	101.97
14+840.00	4.56118	4.54839	5.510445	2.274195	20	110.2089	45.48
14+860.00	6.45971		3.229855		20	64.5971	
14+880.00					20		
14+900.00			2.291805		20	45.8361	
14+920.00	4.58361		2.291805		20	45.8361	
14+940.00					20		
14+960.00					20		
14+980.00					20		
15+000.00					20		
15+020.00					20		
15+040.00			2.407385		20	48.1477	
15+060.00	4.81477		5.62389		20	112.4778	
15+080.00	6.43301		3.216505		20	64.3301	
15+100.00					20		
15+120.00			2.459925		20	49.1985	
15+140.00	4.91985		4.842945		20	96.8589	
15+160.00	4.76604		4.968295		20	99.3659	
15+180.00	5.17055		2.585275		20	51.7055	
15+200.00					20		
15+220.00					20		
15+240.00					20		
15+260.00				2.168555	20		43.37
15+280.00		4.33711		4.50387	20		90.08
15+300.00		4.67063		4.697815	20		93.96
15+320.00		4.725	3.031665	4.91023	20	60.6333	98.20
15+340.00	6.06333	5.09546	5.905535	5.01379	20	118.1107	100.28
15+360.00	5.74774	4.93212	5.591455	4.719535	20	111.8291	94.39
15+380.00	5.43517	4.50695	5.581625	4.690635	20	111.6325	93.81
15+400.00	5.72808	4.87432	5.90002	4.858015	20	118.0004	97.16
15+420.00	6.07196	4.84171	6.13454	4.91677	20	122.6908	98.34
15+440.00	6.19712	4.99183	6.38263	5.007495	20	127.6526	100.15
15+460.00	6.56814	5.02316	5.973885	5.01326	20	119.4777	100.27
15+480.00	5.37963	5.00336	5.380625	5.162865	20	107.6125	103.26

98 (Noventa y Ocho)

Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180.00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
15+500.00	5.38162	5.32237	5.50634	5.510485	20	110.1268	110.21
15+520.00	5.63106	5.6986	7.144275	6.86182	20	142.8855	137.24
15+540.00	8.65749	8.02504	7.391515	7.710685	20	147.8303	154.21
15+560.00	6.12554	7.39633	6.05372	6.88945	20	121.0744	137.79
15+580.00	5.9819	6.38257	6.002735	6.38967	20	120.0547	127.79
15+600.00	6.02357	6.39677	5.81638	6.41517	20	116.3276	128.30
15+620.00	5.60919	6.43357	5.639275	6.392585	20	112.7855	127.85
15+640.00	5.66936	6.3516	5.91338	6.455805	20	118.2676	129.12
15+660.00	6.1574	6.56001	6.30382	6.516025	20	126.0764	130.32
15+680.00	6.45024	6.47204	6.315175	6.34106	20	126.3035	126.82
15+700.00	6.18011	6.21008	6.151175	6.623345	20	123.0235	132.47
15+720.00	6.12224	7.03661	6.89181	7.839145	20	137.8362	156.78
15+740.00	7.66138	8.64168	6.79582	7.40588	20	135.9164	148.12
15+760.00	5.93026	6.17008	5.7836	6.260585	20	115.672	125.21
15+780.00	5.63694	6.35109	5.88646	6.530755	20	117.7292	130.62
15+800.00	6.13598	6.71042	6.093565	6.66542	20	121.8713	133.31
15+820.00	6.05115	6.62042	6.08702	6.35913	20	121.7404	127.18
15+840.00	6.12289	6.09784	6.182835	6.11933	20	123.6567	122.39
15+860.00	6.24278	6.14082	5.840355	5.667955	20	116.8071	113.36
15+880.00	5.43793	5.19509	2.718965	2.597545	20	54.3793	51.95
15+900.00					20		
15+920.00					20		
15+940.00					20		
15+960.00			2.254155	2.172	20	45.0831	43.44
15+980.00	4.50831	4.344	4.359045	4.506135	20	87.1809	90.12
16+000.00	4.20978	4.66827	4.55931	4.59811	20	91.1862	91.96
16+020.00	4.90884	4.52795	4.70457	4.53616	20	94.0914	90.72
16+040.00	4.5003	4.54437	4.475115	4.47433	20	89.5023	89.49
16+060.00	4.44993	4.40429	4.478385	4.404395	20	89.5677	88.09
16+080.00	4.50684	4.4045	4.43435	4.67696	20	88.687	93.54
16+100.00	4.36186	4.94942	4.37375	4.38435	20	87.475	87.69
16+120.00	4.38564	3.81928	4.364755	4.063265	20	87.2951	81.27
16+140.00	4.34387	4.30725	4.307185	4.265745	20	86.1437	85.31
16+160.00	4.2705	4.22424	4.256835	4.172765	20	85.1367	83.46
16+180.00	4.24317	4.12129	4.201475	4.324715	20	84.0295	86.49
16+200.00	4.15978	4.52814	4.216645	4.425455	20	84.3329	88.51
16+220.00	4.27351	4.32277	4.355595	4.549435	20	87.1119	90.99
16+240.00	4.43768	4.7761	4.48875	4.64274	20	89.775	92.85
16+260.00	4.53982	4.50938	4.676645	4.567335	20	93.5329	91.35
16+280.00	4.81347	4.62529	4.81162	4.68386	20	96.2324	93.68
16+300.00	4.80977	4.74243	4.89018	4.720035	20	97.8036	94.40
16+320.00	4.97059	4.69764	4.827485	4.61351	20	96.5497	92.27
16+340.00	4.68438	4.52938	4.34843	4.609605	20	86.9686	92.19
16+360.00	4.01248	4.68983	4.170655	4.6479	20	83.4131	92.96
16+380.00	4.32883	4.60597	4.346255	4.641205	20	86.9251	92.82
16+400.00	4.36368	4.67644	4.37265	4.62336	20	87.453	92.47
16+420.00	4.38162	4.57028	5.70304	5.277515	20	114.0608	105.55
16+440.00	7.02446	5.98475	6.6948	6.022325	20	133.896	120.45
16+460.00	6.36514	6.0599	6.57724	6.21302	20	131.5448	124.26
16+480.00	6.78934	6.36614	6.706745	6.384465	20	134.1349	127.69
16+500.00	6.62415	6.40279	5.830365	5.572065	20	116.6073	111.44
16+520.00	5.03658	4.74134	4.90559	4.72734	20	98.1118	94.55
16+540.00	4.7746	4.71334	4.99863	4.632265	20	99.9726	92.65
16+560.00	5.22266	4.55119	4.956155	4.55867	20	99.1231	91.17
16+580.00	4.68965	4.56615	4.79196	4.567255	20	95.8392	91.35
16+600.00	4.89427	4.56836	4.912515	4.64119	20	98.2503	92.82
16+620.00	4.93076	4.71402	4.639025	4.70459	20	92.7805	94.09
16+640.00	4.34729	4.69516	4.28454	4.998175	20	85.6908	99.96
16+660.00	4.22179	5.30119	4.11797	4.74612	20	82.3594	94.92
16+680.00	4.01415	4.19105	4.00899	4.24978	20	80.1798	85.00
16+700.00	4.00383	4.30851	4.61354	4.85225	20	92.2708	97.05
16+720.00	5.22325	5.39599	5.2945	5.34948	20	105.89	106.99
16+740.00	5.36575	5.30297	5.419025	5.81019	20	108.3805	116.20
16+760.00	5.4723	6.31741	5.440405	6.475525	20	108.8081	129.51
16+780.00	5.40851	6.63364	5.460045	6.04626	20	109.2009	120.93
16+800.00	5.51158	5.45888	5.370475	5.681015	20	107.4095	113.62
16+820.00	5.22937	5.90315	5.228475	5.92236	20	104.5695	118.45
16+840.00	5.22758	5.94157	5.29611	5.683975	20	105.9222	113.68
16+860.00	5.36464	5.42638	5.34896	5.40893	20	106.9792	108.18
16+880.00	5.33328	5.39148	5.286775	5.175615	20	105.7355	103.51

99 (Noventa y Nueve)

Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180.00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
16+900.00	5.24027	4.95975	5.280425	5.205345	20	105.6085	104.11
16+920.00	5.32058	5.45094	5.200475	4.945375	20	104.0095	98.91
16+940.00	5.08037	4.43981	5.10865	4.16426	20	102.173	83.29
16+960.00	5.13693	3.88871	5.02348	4.01524	20	100.4696	80.30
16+980.00	4.91003	4.14177	5.0502	4.237525	20	101.004	84.75
17+000.00	5.19037	4.33328	4.980295	4.179865	20	99.6059	83.60
17+020.00	4.77022	4.02645	4.81562	3.970325	20	96.3124	79.41
17+040.00	4.86102	3.9142	4.98339	4.164655	20	99.6678	83.29
17+060.00	5.10576	4.41511	5.179795	4.13352	20	103.5959	82.67
17+080.00	5.25383	3.85193	5.28885	4.2616	20	105.777	85.23
17+100.00	5.32387	4.67127	5.391355	4.60752	20	107.8271	92.15
17+120.00	5.45884	4.54377	5.242335	4.516875	20	104.8467	90.34
17+140.00	5.02583	4.48998	4.99359	4.496535	20	99.8718	89.93
17+160.00	4.96135	4.50309	4.83893	4.36036	20	96.7786	87.21
17+180.00	4.71651	4.21763	4.686165	3.996325	20	93.7233	79.93
17+200.00	4.65582	3.77502	4.563005	3.750975	20	91.2601	75.02
17+220.00	4.47019	3.72693	4.49889	3.70819	20	89.9778	74.16
17+240.00	4.52759	3.68945	4.77765	4.31553	20	95.553	86.31
17+260.00	5.02771	4.94161	5.098605	5.023935	20	101.9721	100.48
17+280.00	5.1695	5.10626	5.422485	5.320065	20	108.4497	106.40
17+300.00	5.67547	5.53387	5.57016	5.517595	20	111.4032	110.35
17+320.00	5.46485	5.50132	5.61601	5.69395	20	112.3202	113.88
17+340.00	5.76717	5.88658	6.034385	6.190065	20	120.6877	123.80
17+360.00	6.3016	6.49355	6.744315	6.72639	20	134.8863	134.53
17+380.00	7.18703	6.95923	7.5333	6.927695	20	150.666	138.55
17+400.00	7.87957	6.89616	8.06931	7.42191	20	161.3862	148.44
17+420.00	8.25905	7.94766	8.352335	7.917175	20	167.0467	158.34
17+440.00	8.44562	7.88669	8.161015	8.16859	20	163.2203	163.37
17+460.00	7.87641	8.45049	8.58634	8.683645	20	171.7268	173.67
17+480.00	9.29627	8.9168	9.48601	9.4702	20	189.7202	189.40
17+500.00	9.67575	10.0236	9.7216	9.784845	20	194.432	195.70
17+520.00	9.76745	9.54609	9.76745	9.86232	20	195.349	197.25
17+540.00	9.76745	10.17855	9.27572	9.781685	20	185.5144	195.63
17+560.00	8.78399	9.38482	8.177565	9.19508	20	163.5513	183.90
17+580.00	7.57114	9.00534	7.417035	8.845645	20	148.3407	176.91
17+600.00	7.26293	8.68595	7.27874	7.817455	20	145.5748	156.35
17+620.00	7.29455	6.94896	7.1981	7.230855	20	143.962	144.62
17+640.00	7.10165	7.51275	7.56018	7.07096	20	151.2036	141.42
17+660.00	8.01871	6.62917	7.843205	6.77608	20	156.8641	135.52
17+680.00	7.6677	6.92299	7.43052	7.00425	20	148.6104	140.09
17+700.00	7.19334	7.08551	7.123565	6.857995	20	142.4713	137.16
17+720.00	7.05379	6.63048	7.264295	6.71676	20	145.2859	134.34
17+740.00	7.4748	6.80304	7.520655	7.136655	20	150.4131	142.73
17+760.00	7.56651	7.47027	6.390685	6.40817	20	127.8137	128.16
17+780.00	5.21486	5.34607	5.3262	5.35352	20	106.524	107.07
17+800.00	5.43754	5.36097	5.47543	5.371265	20	109.5086	107.43
17+820.00	5.51332	5.38156	5.526325	5.31791	20	110.5265	106.36
17+840.00	5.53933	5.25426	5.602875	5.3256	20	112.0575	106.51
17+860.00	5.66642	5.39694	5.7622	5.47262	20	115.244	109.45
17+880.00	5.85798	5.5483	5.885295	5.45375	20	117.7059	109.08
17+900.00	5.91261	5.3592	5.89148	5.464365	20	117.8296	109.29
17+920.00	5.87035	5.56953	5.875265	5.554625	20	117.5053	111.09
17+940.00	5.88018	5.53972	5.848685	5.6334	20	116.9737	112.67
17+960.00	5.81719	5.72708	5.814835	5.592985	20	116.2967	111.86
17+980.00	5.81248	5.45889	5.7763	5.475745	20	115.526	109.51
18+000.00	5.74012	5.4926	6.99773	6.65307	20	139.9546	133.06
18+020.00	8.25534	7.81354	8.12377	7.73459	20	162.4754	154.69
18+040.00	7.9922	7.65564	6.878255	6.563465	20	137.5651	131.27
18+060.00	5.76431	5.47129	5.66781	5.552785	20	113.3562	111.06
18+080.00	5.57131	5.63428	5.44743	5.54651	20	108.9486	110.93
18+100.00	5.32355	5.45874	5.36601	5.370545	20	107.3202	107.41
18+120.00	5.40847	5.28235	5.16607	5.32059	20	103.3214	106.41
18+140.00	4.92367	5.35883	5.006455	5.18729	20	100.1291	103.75
18+160.00	5.08924	5.01575	4.92513	5.026925	20	98.5026	100.54
18+180.00	4.76102	5.0381	4.669405	4.85064	20	93.3881	97.01
18+200.00	4.57779	4.66318	4.3312	4.5386	20	86.624	90.77
18+220.00	4.08461	4.41402	4.37539	5.02948	20	87.5078	100.59
18+240.00	4.66617	5.64494	4.617075	5.272365	20	92.3415	105.45
18+260.00	4.56798	4.89979	4.397405	4.614715	20	87.9481	92.29
18+280.00	4.22683	4.32964	4.223915	4.137355	20	84.4783	82.75

100 (Cien)

Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180.00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
18+300.00	4.221	3.94507	4.1013	3.3772	20	82.026	67.54
18+320.00	3.9816	2.80933	4.00858	2.98168	20	80.1716	59.63
18+340.00	4.03556	3.15403	4.041945	2.856205	20	80.8389	57.12
18+360.00	4.04833	2.55838	4.23979	2.453935	20	84.7958	49.08
18+380.00	4.43125	2.34949	4.253285	2.43388	20	85.0657	48.68
18+400.00	4.07532	2.51827	4.01799	2.441095	20	80.3598	48.82
18+420.00	3.96066	2.36392	3.94019	2.319835	20	78.8038	46.40
18+440.00	3.91972	2.27575	3.96381	2.279855	20	79.2762	45.60
18+460.00	4.0079	2.28396	3.67064	2.597185	20	73.4128	51.94
18+480.00	3.33338	2.91041	2.98694	2.664465	20	59.7388	53.29
18+500.00	2.6405	2.41852	2.726275	2.66575	20	54.5255	53.32
18+520.00	2.81205	2.91298	2.75826	2.836915	20	55.1652	56.74
18+540.00	2.70447	2.76085	2.735845	2.83527	20	54.7169	56.71
18+560.00	2.76722	2.90969	2.825665	2.849055	20	56.5133	56.98
18+580.00	2.88411	2.78842	2.886465	2.8247	20	57.7293	56.49
18+600.00	2.88882	2.86098	2.841365	2.887395	20	56.8273	57.75
18+620.00	2.79391	2.91381	2.811995	2.980825	20	56.2399	59.62
18+640.00	2.83008	3.04784	2.84949	2.912685	20	56.9898	58.25
18+660.00	2.8689	2.77753	2.914075	2.76563	20	58.2815	55.31
18+680.00	2.95925	2.75373	2.87915	2.801725	20	57.583	56.03
18+700.00	2.79905	2.84972	2.800385	2.816295	20	56.0077	56.33
18+720.00	2.80172	2.78287	2.88733	2.7855	20	57.7466	55.71
18+740.00	2.97294	2.78813	2.92889	2.87225	20	58.5778	57.45
18+760.00	2.88484	2.95637	2.94954	2.949285	20	58.9908	58.99
18+780.00	3.01424	2.9422	3.103305	2.971465	20	62.0661	59.43
18+800.00	3.19237	3.00073	3.163555	3.05392	20	63.2711	61.08
18+820.00	3.13474	3.10711	3.19695	3.11962	20	63.939	62.39
18+840.00	3.25916	3.13213	3.16615	3.097715	20	63.323	61.95
18+860.00	3.07314	3.0633	3.12468	2.989415	20	62.4936	59.79
18+880.00	3.17622	2.91553	3.22504	2.975605	20	64.5008	59.51
18+900.00	3.27386	3.03568	3.166205	3.01318	20	63.3241	60.26
18+920.00	3.05855	2.99068	3.137605	3.249575	20	62.7521	64.99
18+940.00	3.21666	3.50847	3.33434	3.315495	20	66.6868	66.31
18+960.00	3.45202	3.12252	3.355945	3.146575	20	67.1189	62.93
18+980.00	3.25987	3.17063	3.15074	3.06501	20	63.0148	61.30
19+000.00	3.04161	2.95939	2.964225	2.75637	20	59.2845	55.13
19+020.00	2.88684	2.55335	2.933545	2.701065	20	58.6709	54.02
19+040.00	2.98025	2.84878	3.027815	2.75532	20	60.5563	55.11
19+060.00	3.07538	2.66186	3.07129	2.755665	20	61.4258	55.11
19+080.00	3.0672	2.84947	3.005055	2.789175	20	60.1011	55.78
19+100.00	2.94291	2.72888	2.95881	2.79162	20	59.1762	55.83
19+120.00	2.97471	2.85436	3.08145	2.85922	20	61.629	57.18
19+140.00	3.18819	2.86408	3.08658	3.038315	20	61.7316	60.77
19+160.00	2.98497	3.21255	3.055215	3.14167	20	61.1043	62.83
19+180.00	3.12546	3.07079	3.11233	3.13137	20	62.2466	62.63
19+200.00	3.0992	3.19195	3.06141	3.081655	20	61.2282	61.63
19+220.00	3.02362	2.97136	3.16421	2.990435	20	63.2842	59.81
19+240.00	3.3048	3.00951	3.296145	3.00031	20	65.9229	60.01
19+260.00	3.28749	2.99111	3.306605	3.04751	20	66.1321	60.95
19+280.00	3.32572	3.10391	3.424045	3.061165	20	68.4809	61.22
19+300.00	3.52237	3.01842	3.481915	2.988935	20	69.6383	59.78
19+320.00	3.44146	2.95945	3.44677	3.13205	20	68.9354	62.64
19+340.00	3.45208	3.30465	3.488085	3.561725	20	69.7617	71.23
19+360.00	3.52409	3.8188	3.482145	3.57448	20	69.6429	71.49
19+380.00	3.4402	3.33016	3.46016	3.321845	20	69.2032	66.44
19+400.00	3.48012	3.31353	3.55591	3.514135	20	71.1182	70.28
19+420.00	3.6317	3.71474	3.622565	3.8705	20	72.4513	77.41
19+440.00	3.61343	4.02626	3.55493	3.736635	20	71.0986	74.73
19+460.00	3.49643	3.44701	3.443985	3.36099	20	68.8797	67.22
19+480.00	3.39154	3.27497	3.32065	3.28663	20	66.413	65.73
19+500.00	3.24976	3.29829	3.254155	3.1278	20	65.0831	62.56
19+520.00	3.25855	2.95731	3.24622	2.919215	20	64.9244	58.38
19+540.00	3.23389	2.88112	3.260965	2.97649	20	65.2193	59.53
19+560.00	3.28804	3.07186	3.347	3.080485	20	66.94	61.61
19+580.00	3.40596	3.08911	2.927945	3.11434	20	58.5589	62.29
19+600.00	2.44993	3.13957	3.012355	3.11936	20	60.2471	62.39
19+620.00	3.57478	3.09915	3.383465	3.186505	20	67.6693	62.73
19+640.00	3.19215	3.27386	3.14063	3.87383	20	62.8126	77.48
19+660.00	3.08911	4.4738	3.02481	3.729215	20	60.4962	74.58
19+680.00	2.96051	2.98463	2.94101	2.927025	20	58.8202	58.54

Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180.00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
19+700.00	2.92151	2.86942	2.92075	2.925005	20	58.415	58.50
19+720.00	2.91999	2.98059	2.98201	3.031475	20	59.6402	60.63
19+740.00	3.04403	3.08236	3.1699	2.98703	20	63.398	59.74
19+760.00	3.29577	2.8917	3.25254	3.10257	20	65.0508	62.05
19+780.00	3.20931	3.31344	3.20478	3.372005	20	64.0956	67.44
19+800.00	3.20025	3.43057	3.280415	3.392495	20	65.6083	67.85
19+820.00	3.36058	3.35442	3.423285	3.40768	20	68.4657	68.15
19+840.00	3.48599	3.46094	3.522945	3.51754	20	70.4589	70.35
19+860.00	3.5599	3.57414	3.68792	3.576115	20	73.7584	71.52
19+880.00	3.81594	3.57809	3.84615	4.343755	20	76.923	86.88
19+900.00	3.87636	5.10942	3.94785	5.33078	20	78.957	106.62
19+920.00	4.01934	5.55214	4.096745	5.726065	20	81.9349	114.52
19+940.00	4.17415	5.89999	4.32648	6.103955	20	86.5296	122.08
19+960.00	4.47881	6.30792	4.286775	5.641295	20	85.7355	112.83
19+980.00	4.09474	4.97467	5.4385	6.05239	20	108.77	121.05
20+000.00	6.78226	7.13011	7.08268	7.383095	20	141.6536	147.66
20+020.00	7.3831	7.63608	7.17755	7.55702	20	143.551	151.14
20+040.00	6.972	7.47796	7.920685	7.066865	20	158.4137	141.34
20+060.00	8.86937	6.65577	10.7193	9.675745	20	214.386	193.51
20+080.00	12.56923	12.69572	9.644125	9.754805	20	192.8825	195.10
20+100.00	6.71902	6.81389	7.145925	7.114305	20	142.9185	142.29
20+120.00	7.57283	7.41472	6.359055	6.14327	20	127.1811	122.87
20+140.00	5.14528	4.87182	4.95516	4.6211	20	99.1032	92.42
20+160.00	4.76504	4.37038	4.743775	4.336715	20	94.8755	86.73
20+180.00	4.72251	4.30305	5.278045	4.60762	20	105.5609	92.15
20+200.00	5.83358	4.91219	5.101395	4.55345	20	102.0279	91.07
20+220.00	4.36921	4.19471	4.238225	4.16033	20	84.7645	83.21
20+240.00	4.10724	4.12595	4.07264	4.064025	20	81.4528	81.28
20+260.00	4.03804	4.0021	4.07932	4.027335	20	81.5864	80.55
20+280.00	4.1206	4.05257	4.148385	4.04678	20	82.9677	80.94
20+300.00	4.17617	4.04099	4.17222	4.141915	20	83.4444	82.84
20+320.00	4.16827	4.24284	4.421255	4.31302	20	88.4251	86.26
20+340.00	4.67424	4.3832	4.23785	4.07025	20	84.757	81.41
20+360.00	3.80146	3.7573	3.78789	3.977015	20	75.7578	79.54
20+380.00	3.77432	4.19673	3.90234	4.266845	20	78.0468	85.34
20+400.00	4.03036	4.33696	4.161065	4.535715	20	83.2213	90.71
20+420.00	4.29177	4.73447	4.339735	4.69653	20	86.7947	93.93
20+440.00	4.3877	4.65859	4.48809	4.709195	20	89.7618	94.18
20+460.00	4.58848	4.7598	4.72034	4.76213	20	94.4068	95.24
20+480.00	4.8522	4.76446	5.09903	4.86295	20	101.9806	97.26
20+500.00	5.34586	4.96144	6.19846	5.974625	20	123.9692	119.49
20+520.00	7.05106	6.98781	6.877135	7.272415	20	137.5427	145.45
20+540.00	6.70321	7.55702	7.06687	7.09849	20	141.3374	141.97
20+560.00	7.43053	6.63996	7.049475	6.369585	20	140.9895	127.39
20+580.00	6.66842	6.09921	6.17827	5.810775	20	123.5654	116.22
20+600.00	5.68812	5.52234	5.560045	5.37047	20	111.2009	107.41
20+620.00	5.43197	5.2186	5.168585	4.97565	20	103.3717	99.51
20+640.00	4.9052	4.7327	4.770605	4.750295	20	95.4121	95.01
20+660.00	4.63601	4.76789	4.697095	4.871815	20	93.9419	97.44
20+680.00	4.75818	4.97574	4.14902	4.52414	20	82.9804	90.48
20+700.00	3.53986	4.07254	3.66321	3.94699	20	73.2642	78.94
20+720.00	3.78656	3.82144	3.830735	4.081845	20	76.6147	81.64
20+740.00	3.87491	4.34225	4.01394	4.5049	20	80.2788	90.10
20+760.00	4.15297	4.66755	5.0249	5.803965	20	100.498	116.08
20+780.00	5.89683	6.94038	6.05494	6.892945	20	121.0988	137.86
20+800.00	6.21305	6.84551	7.367285	7.96812	20	147.3457	159.36
20+820.00	8.52152	9.09073	7.19178	7.919105	20	143.8356	158.38
20+840.00	5.86204	6.74748	5.893665	6.826535	20	117.8733	136.53
20+860.00	5.92529	6.90559	4.971635	5.701615	20	99.4327	114.03
20+880.00	4.01798	4.49764	4.009675	4.48213	20	80.1935	89.64
20+900.00	4.00137	4.46662	3.89804	4.38072	20	77.9608	87.61
20+920.00	3.79471	4.29482	3.677715	4.214865	20	73.5543	84.30
20+940.00	3.56072	4.13491	3.50408	4.058965	20	70.0816	81.18
20+960.00	3.44744	3.98302	3.40718	3.933195	20	68.1436	78.66
20+980.00	3.36692	3.88337	3.31996	3.74941	20	66.3992	74.99
21+000.00	3.273	3.61545	3.946135	4.544265	20	78.9227	90.89
21+020.00	4.61927	5.47308	4.49055	5.15527	20	89.811	103.11
21+040.00	4.36183	4.83746	4.253865	4.6161	20	85.0773	92.32
21+060.00	4.1459	4.39474	4.01913	4.29829	20	80.3826	85.97
21+080.00	3.89236	4.20184	3.777505	4.03095	20	75.5501	80.62

Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180.00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
21+100.00	3.66265	3.86006	3.61656	3.92324	20	72.3312	78.46
21+120.00	3.57047	3.98642	3.545675	3.91665	20	70.9135	78.33
21+140.00	3.52088	3.84688	3.480445	3.71088	20	69.6089	74.22
21+160.00	3.44001	3.57488	3.49968	3.69164	20	69.9936	73.83
21+180.00	3.55935	3.8084	3.77132	3.79782	20	75.4264	75.96
21+200.00	3.98329	3.78724	3.7662	3.822655	20	75.324	76.45
21+220.00	3.54911	3.85807	3.707695	4.025215	20	74.1539	80.50
21+240.00	3.86628	4.19236	3.923115	4.41372	20	78.4623	88.27
21+260.00	3.97995	4.63508	4.10811	4.74576	20	82.1622	94.92
21+280.00	4.23627	4.85644	4.47008	4.949725	20	89.4016	98.99
21+300.00	4.70389	5.04301	5.05789	5.076215	20	101.1578	101.52
21+320.00	5.41189	5.10942	5.262235	4.952885	20	105.2447	99.06
21+340.00	5.11258	4.79635	4.81262	4.813745	20	96.2524	96.27
21+360.00	4.51266	4.83114	3.701485	4.676185	20	74.0297	93.52
21+380.00	2.89031	4.52123	3.536645	4.45957	20	70.7329	89.19
21+400.00	4.18298	4.39791	4.10125	4.3062	20	82.025	86.12
21+420.00	4.01952	4.21449	3.793935	4.17022	20	75.8787	83.40
21+440.00	3.56835	4.12595	3.45495	3.857155	20	69.099	77.14
21+460.00	3.34155	3.58836	3.185	3.57513	20	63.7	71.50
21+480.00	3.02845	3.5619	3.09341	3.39694	20	61.8682	67.94
21+500.00	3.15837	3.23198	3.101915	3.25223	20	62.0383	65.04
21+520.00	3.04546	3.27248	2.953665	2.53744	20	59.0733	50.75
21+540.00	2.86187	1.8024	2.90599	2.23339	20	58.1198	44.67
21+560.00	2.95011	2.66438	2.81471	2.69114	20	56.2942	53.82
21+580.00	2.67931	2.7179	2.72146	2.69871	20	54.4292	53.97
21+600.00	2.76361	2.67952	2.964305	2.78864	20	59.2861	55.77
21+620.00	3.165	2.89776	3.01967	2.85107	20	60.3934	57.02
21+640.00	2.87434	2.80438	2.91627	2.96637	20	58.3254	59.33
21+660.00	2.9582	3.12836	3.02538	3.161195	20	60.5076	63.22
21+680.00	3.09256	3.19403	3.224275	3.59796	20	64.4855	71.96
21+700.00	3.35599	4.00189	3.31772	5.154905	20	66.3544	103.10
21+720.00	3.27945	6.30792	4.335155	6.29211	20	86.7031	125.84
21+740.00	5.39086	6.2763	6.102375	6.133995	20	122.0475	122.68
21+760.00	6.81389	5.99169	7.39891	6.339545	20	147.9782	126.79
21+780.00	7.98393	6.6874	6.60834	5.1879	20	132.1668	103.76
21+800.00	5.23275	3.6884	5.201125	4.618205	20	104.0225	92.36
21+820.00	5.1695	5.54801	4.450925	5.50106	20	89.0185	110.02
21+840.00	3.73235	5.45411	3.56297	5.26437	20	71.2594	105.29
21+860.00	3.39359	5.07463	3.44648	5.07463	20	68.9296	101.49
21+880.00	3.49937	5.07463	3.436995	4.631915	20	68.7399	92.64
21+900.00	3.37462	4.1892	3.27409	4.042125	20	65.4818	80.84
21+920.00	3.17356	3.89505	3.203795	3.88827	20	64.0759	77.77
21+940.00	3.23403	3.88149	3.1777	3.847505	20	63.554	76.95
21+960.00	3.12137	3.81352	3.097545	3.60649	20	61.9509	72.13
21+980.00	3.07372	3.39946	2.86067	3.21738	20	57.2134	64.35
22+000.00	2.64762	3.0353	2.596765	2.879385	20	51.9353	57.59
22+020.00	2.54591	2.72347	2.53232	2.49736	20	50.6464	49.95
22+040.00	2.51873	2.27125	2.41615	2.198175	20	48.323	43.96
22+060.00	2.31357	2.1251	2.287865	2.05755	20	45.7573	41.15
22+080.00	2.26216	1.99	2.16739	1.962465	20	43.3478	39.25
22+100.00	2.07262	1.93493	2.15411	1.93706	20	43.0822	38.74
22+120.00	2.2356	1.93919	2.15319	1.94179	20	43.0638	38.84
22+140.00	2.07078	1.94439	2.081745	1.90158	20	41.6349	38.03
22+160.00	2.09271	1.85877	2.054495	1.846635	20	41.0899	36.93
22+180.00	2.01628	1.8345	2.129365	1.69538	20	42.5873	33.91
22+200.00	2.24245	1.55626	2.176665	1.78561	20	43.5333	35.71
22+220.00	2.11088	2.01496	2.140425	2.02786	20	42.8085	40.56
22+240.00	2.16997	2.04076	2.13483	2.00272	20	42.6966	40.05
22+260.00	2.09969	1.96468	2.137015	1.99208	20	42.7403	39.84
22+280.00	2.17434	2.01948	2.094795	2.05302	20	41.8959	41.06
22+300.00	2.01525	2.08656	2.010995	2.104585	20	40.2199	42.09
22+320.00	2.00674	2.12261	2.12079	2.138905	20	42.4158	42.78
22+340.00	2.23484	2.1552	2.22215	2.146845	20	44.443	42.94
22+360.00	2.20946	2.13849	2.18186	2.139135	20	43.6372	42.78
22+380.00	2.15426	2.13978	2.20717	2.08015	20	44.1434	41.60
22+400.00	2.26008	2.02052	2.149765	2.042575	20	42.9953	40.85
22+420.00	2.03945	2.06463	2.107225	1.782935	20	42.1445	1036 Ciento Tres)
22+440.00	2.175	1.50124	1.938095	1.61071	20	38.7619	32.21
22+460.00	1.70119	1.72018	1.9185	1.997005	20	38.37	39.94
22+480.00	2.13581	2.27383	2.158835	2.394925	20	43.1767	47.90

Planilla de Area de Taludes

Obra: Km 40 - Alberdi Tramo: 13480 -24000

Tramo: -7+180.00

Progresiva	Long. Talud		Long. Media		Distancia	Area	
	Izquierda	Derecha	Izquierda	Derecha		Izquierda	Derecha
	m	m.	m.	m.	m.	m²	m²
22+500.00	2.18186	2.51602	2.254105	2.487155	20	45.0821	49.74
22+520.00	2.32635	2.45829	2.390085	2.44672	20	47.8017	48.93
22+540.00	2.45382	2.43515	2.64162	2.433715	20	52.8324	48.67
22+560.00	2.82942	2.43228	2.841305	2.509875	20	56.8261	50.20
22+580.00	2.85319	2.58747	2.962725	2.699825	20	59.2545	54.00
22+600.00	3.07226	2.81218	3.074355	3.50069	20	61.4871	70.01
22+620.00	3.07645	4.1892	3.33886	3.86257	20	66.7772	77.25
22+640.00	3.60127	3.53594	3.65326	3.569145	20	73.0652	71.38
22+660.00	3.70525	3.60235	3.717795	3.71791	20	74.3559	74.36
22+680.00	3.73034	3.83347	3.912335	3.86787	20	78.2467	77.36
22+700.00	4.09433	3.90227	3.06659	2.73339	20	61.3318	54.67
22+720.00	2.03885	1.56451	3.08715	2.638375	20	61.743	52.77
22+740.00	4.13545	3.71224	3.97753	3.660395	20	79.5506	73.21
22+760.00	3.81961	3.60855	3.723665	3.613025	20	74.4733	72.26
22+780.00	3.62772	3.6175	3.49413	3.559515	20	69.8826	71.19
22+800.00	3.36054	3.50153	3.359185	3.47313	20	67.1837	69.46
22+820.00	3.35783	3.44473	3.20315	3.35882	20	64.063	67.18
22+840.00	3.04847	3.27291	2.98769	3.25861	20	59.7538	65.17
22+860.00	2.92691	3.24431	2.779175	3.07508	20	55.5835	61.50
22+880.00	2.63144	2.90585	2.54571	2.913915	20	50.9142	58.28
22+900.00	2.45998	2.92198	2.531935	2.79244	20	50.6387	55.85
22+920.00	2.60389	2.6629	2.47943	2.645895	20	49.5886	52.92
22+940.00	2.35497	2.62889	2.40606	2.36182	20	48.1212	47.24
22+960.00	2.45715	2.09475	2.22154	1.874845	20	44.4308	37.50
22+980.00	1.98593	1.65494	1.96236	1.625535	20	39.2472	32.51
23+000.00	1.93879	1.59613	1.775835	1.39971	20	35.5167	27.99
23+020.00	1.61288	1.20329	1.47632	1.204245	20	29.5264	24.08
23+040.00	1.33976	1.2052	1.35309	1.08942	20	27.0618	21.79
23+060.00	1.36642	0.97364	1.210615	1.216035	20	24.2123	24.32
23+080.00	1.05481	1.45843	1.28534	1.42487	20	25.7068	28.50
23+100.00	1.51587	1.39131	1.360915	1.384185	20	27.2183	27.68
23+120.00	1.20596	1.37706	0.95739	1.348825	20	19.1478	26.98
23+140.00	0.70882	1.32059	1.22614	1.337965	20	24.5228	26.76
23+160.00	1.74346	1.35534	1.455125	1.38996	20	29.1025	27.80
23+180.00	1.16679	1.42458	1.320295	1.32545	20	26.4059	26.51
23+200.00	1.4738	1.22632	1.61727	1.184335	20	32.3454	23.69
23+220.00	1.76074	1.14235	1.529395	1.114685	20	30.5879	22.29
23+240.00	1.29805	1.08702	1.20559	1.29672	20	24.1118	25.93
23+260.00	1.11313	1.50642	1.14442	1.40977	20	22.8884	28.20
23+280.00	1.17571	1.31312	1.18819	1.373045	20	23.7638	27.46
23+300.00	1.20067	1.43297	1.17318	1.288705	20	23.4636	25.77
23+320.00	1.14569	1.14444	1.21674	1.14088	20	24.3348	22.82
23+340.00	1.28779	1.13732	1.271665	1.186605	20	25.4333	23.73
23+360.00	1.25554	1.23589	1.437315	1.19537	20	28.7463	23.91
23+380.00	1.61909	1.15485	1.49205	1.1192	20	29.841	22.38
23+400.00	1.36501	1.08355	1.378025	1.182065	20	27.5605	23.64
23+420.00	1.39104	1.28058	1.43274	1.28058	20	28.6548	25.61
23+440.00	1.47444	1.28058	1.508585	1.338225	20	30.1717	26.76
23+460.00	1.54273	1.39587	1.520965	1.43908	20	30.4193	28.78
23+480.00	1.4992	1.48229	1.55107	1.42569	20	31.0214	28.51
23+500.00	1.60294	1.36909	1.535955	1.42986	20	30.7191	28.60
23+520.00	1.46897	1.49063	1.411265	1.54127	20	28.2253	30.83
23+540.00	1.35356	1.59191	1.39927	1.480715	20	27.9854	29.61
23+560.00	1.44498	1.36952	1.55524	1.42514	20	31.1048	28.50
23+580.00	1.6655	1.48076	1.558825	1.488915	20	31.1765	29.78
23+600.00	1.45215	1.49707	1.418095	1.51557	20	28.3619	30.31
23+620.00	1.38404	1.53407	1.338625	1.562575	20	26.7725	31.25
23+640.00	1.29321	1.59108	1.41203	1.703605	20	28.2406	34.07
23+660.00	1.53085	1.81613	1.69617	1.771505	20	33.9234	35.43
23+680.00	1.86149	1.72688	1.767635	1.61438	20	35.3527	32.29
23+700.00	1.67378	1.50188	1.619635	1.8593	20	32.3927	37.19
23+720.00	1.56549	2.21672	1.61797	1.95619	20	32.3594	39.12
23+740.00	1.67045	1.69566	1.655165	1.742215	20	33.1033	34.84
23+760.00	1.63988	1.78877	1.6478	1.822	20	32.956	36.44
23+780.00	1.65572	1.85523	1.6422	1.745035	20	32.844	34.90
23+800.00	1.62868	1.63484	1.62658	1.564045	20	32.5316	31.28
23+820.00	1.62448	1.49325	1.611895	1.48551	20	32.2379	29.71
23+840.00	1.59931	1.47777	1.525665	1.546	20	30.5133	30.92
23+860.00	1.45202	1.61423	1.45749	1.646295	40	58.2996	65.85
23+900.00	1.46296	1.67836	1.43867	1.646295	20	28.7734	32.93