Movimiento de tierras

Aignment: Eje_Horizontal_Gualea Cruz - Urcutambo
Sample Line Group: SL Collection - 2
Start Sta: 0+000.00
End Sta: 19+295.05

ABSCISA	AREA CORTE m2	VOLUMEN CORTE m3	AREA RELLENO m2	VOLUMEN RELLENO m3	VOLUMEN ACUMULADO CORTE m3	VOLUMEN ACUMULADO RELLENO m3	VOLUMEN ACUMULADO NETO m3	VOLUMEN POR Km. CORTE m3	VOLUMEN PO Km. RELLENO m3
0+000.00	0	0	0	0	0	0	0		
0+100.00	0	0	0	0	0	0	0		
0+200.00	0	0	0	0	0	0	0		
0+300.00	8.75	454.81	3.47	168.99	454.81	168.99	285.82		
0+400.00	13.53	1054.3	0.69	216.13	1509.11	385.12	1123.99		
0+500.00	12.92	1403.48	4.84	264.61	2912.59	649.73	2262.86		
0+600.00	18.27	1483.46	2.59	386.52	4396.05	1036.24	3359.81		
0+700.00	1.69	991.46	8.56	555.15	5387.51	1591.4	3796.11		
0+800.00	24.72	1308.92	0	435.36	6696.43	2026.75	4669.68		
0+900.00	1.1	1288.67	0.67	33.46	7985.1	2060.21	5924.89		
1+000.00	3.79	245.43	0	33.97	8230.53	2094.18	6136.35	8230.53	2094.18
1+100.00	18.69	1123.77	0	0.13	9354.31	2094.31	7259.99		
1+200.00	15.33	1702.66	0	0	11056.97	2094.31	8962.65		
1+300.00	18.75	1744.7	0	0	12801.66	2094.31	10707.35		
1+400.00	17.24	1809.65	0.33	16.53	14611.31	2110.84	12500.48		
1+500.00	34.59	2567.47	0	17.13	17178.78	2127.97	15050.81		
1+600.00	1.94	1827.48	0.34	16.81	19006.26	2144.79	16861.48		
1+700.00	4.21	306.35	0.47	40.95	19312.61	2185.74	17126.87		
1+800.00	21.6	1302.79	0.27	36.52	20615.4	2222.26	18393.15		
1+900.00	13.92	1687.95	0.49	39.88	22303.35	2262.13	20041.22		
2+000.00	13.23	1389.44	0.19	32.42	23692.79	2294.56	21398.23	15462.26	200.38
2+100.00	26.97	1999.95	0.17	18.15	25692.74	2312.7	23380.03		
2+200.00	44.04	3646.42	0.03	9.8	29339.16	2322.5	27016.65		
2+300.00	3.74	2322.53	0.28	16.18	31661.69	2338.68	29323.01		
2+400.00	9.07	637.95	0.01	14.25	32299.64	2352.93	29946.71		
2+500.00	9.54	936.38	1.03	50.37	33236.02	2403.31	30832.71		
2+600.00	11.49	1022.91	0.01	55.49	34258.93	2458.79	31800.14		
2+700.00	46.06	2878.17	0	0.45	37137.1	2459.24	34677.86		
2+800.00	13.67	2976.81	0	0.02	40113.91	2459.26	37654.65		
2+900.00	27.21	2046.16	0	0.02	42160.07	2459.28	39700.79		
3+000.00	14.64	2094.35	0	0	44254.42	2459.28	41795.14	20561.63	164.72
3+100.00	18.3	1669.57	0	0	45923.99	2459.28	43464.7		
3+200.00	29.02	2336.54	0.16	8.28	48260.53	2467.57	45792.96		
3+300.00	1.41	1587.7	1.44	78.55	49848.23	2546.12	47302.12		
3+400.00	9.39	522.61	1.85	166.58	50370.85	2712.69	47658.16		
3+500.00	21.62	1529.89	0.04	95.37	51900.73	2808.06	49092.68		
3+600.00	37.7	2960.1	0.05	4.48	54860.83	2812.54	52048.3		
3+700.00	16.12	2537.31	0	2.49	57398.15	2815.03	54583.12		
3+800.00	27.52	2264.3	0.02	0.73	59662.45	2815.76	56846.68		
3+900.00	22.93	2621.92	0.16	8.51	62284.37	2824.27	59460.09		
4+000.00	23.63	2232.86	1.26	72.52	64517.23	2896.8	61620.43	20262.81	437.52
4+100.00	7.08	1552.25	3.26	229.55	66069.48	3126.35	62943.13		
4+200.00	22.56	1475.65	0	167	67545.13	3293.34	64251.78		
4+300.00	2.7	1258.94	0.01	0.49	68804.07	3293.83	65510.24		
4+400.00	13.32	801.19	0.03	2.1	69605.25	3295.93	66309.33		
4+500.00	31.79	2260.1	0.02	2.46	71865.36	3298.39	68566.97		
4+600.00	0	1619.52	0	0.89	73484.88	3299.28	70185.6		
4+700.00	0	0	0	0	73484.88	3299.28	70185.6		
4+800.00	0	0	0	0	73484.88	3299.28	70185.6		
4+900.00	0	0	0.02	1.02	73484.88	3300.3	70184.58		
5+000.00	10.77	531.22	7.7	403.75	74016.1	3704.06	70312.04	9498.87	807.26
5+100.00	8.83	975.56	0	398.87	74991.66	4102.92	70888.74		
5+200.00	18.48	1397.5	0.72	34.11	76389.16	4137.03	72252.13		
5+300.00	5	1224.08	2.86	171.48	77613.24	4308.52	73304.73		
5+400.00	16.16	1071.63	1.22	201.8	78684.87	4510.32	74174.55		
5+500.00	22.61	1803.46	0.77	106.23	80488.33	4616.55	75871.78		
5+600.00	23.16	2362.37	1.96	132.09	82850.7	4748.64	78102.06		
5+700.00	5.73	1449.1	0	97.64	84299.8	4846.28	79453.52		
5+800.00	6.56	613.13	0.62	31.3	84912.93	4877.58	80035.35		
5+900.00	26.38	1617	0	31.23	86529.94	4908.82	81621.12		
6+000.00	9.28	1815.94	2.31	121.66	88345.87	5030.48	83315.39	14329.77	1326.42
6+100.00	20.21	1541.58	1.81	191.94	89887.46	5222.42	84665.03		
6+200.00	36.11	2669.22	0	95.4	92556.68	5317.82	87238.85		
6+300.00	10.21	2373.91	0.83	40.26	94930.59	5358.09	89572.5		
6+400.00	40.01	2498.36	0	42.25	97428.95	5400.33	92028.61		
6+500.00	16.8	2872.25	0.06	2.7	100301.2	5403.04	94898.16		
6+600.00	13.48	1520.51	0.2	12.68	101821.71	5415.71	96405.99		
6+700.00	29.2	2120.24	0.01	10.3	103941.94	5426.02	98515.93		
6+800.00	5.03	1677.62	0.28	14.66	105619.57	5440.67	100178.9		
6+900.00	5.75	544.16	0.08	17.28	106163.73	5457.95	100705.78		
7+000.00	7.83	679.01	1.67	87.23	106842.74	5545.17	101297.57	18496.87	514.69
7+100.00	15.64	1172.88	0.07	86.79	108015.62	5631.97	102383.65		
7+200.00	5.11	1038.12	1.26	67	109053.73	5698.96	103354.77		
7+300.00	10.96	806.22	2.5	186.93	109859.95	5885.9	103974.05		
7+400.00	22.59	1691.9	0	132.31	111551.85	6018.21	105533.64		
7+500.00	24.98	2340.9	0	0.08	113892.75	6018.29	107874.46		
7+600.00	5.68	1534.69	0	0.06	115427.43	6018.34	109409.09		

7+700.00	1.22	344.98	1.05	52.39	115772.42	6070.74	109701.68		
7+800.00	30.58	1658.31	0	49.68	117430.73	6120.42	111310.31		
7+900.00	47.6	3705.45	0	0.1	121136.17	6120.52	115015.66		
8+000.00	29.16	3927.09	0	0.13	125063.27	6120.64	118942.63	18220.53	575.47
8+100.00	20.51	2489.22	0	0.29	127552.49	6120.93	121431.56		
8+200.00	12.83	1676.91	0	0.31	129229.4	6121.24	123108.15		
8+300.00	50.81	3257.63	0	0.07	132487.03	6121.31	126365.71		
8+400.00	65.09	5872.76	0	0.05	138359.78	6121.36	132238.42		
8+500.00	16.82	4142.73	0.01	0.59	142502.51	6121.95	136380.56		
8+600.00	37.64	2723.02	2.6	130.75	145225.54	6252.71	138972.83		
8+700.00	11.19	2467.32	0	128.55	147692.85	6381.26	141311.6		
8+800.00	5.79	829.38	1.19	61.84	148522.24	6443.1	142079.13		
8+900.00	5.36	566.87	0.1	62.56	149089.11	6505.67	142583.44		
9+000.00	7.06	605.25	0.64	38.08	149694.36	6543.74	143150.61	24631.09	423.1
9+100.00	9.55	857.31	0.01	30.82	150551.66	6574.56	143977.1		
9+200.00	21.49	1497.15	0.15	8.05	152048.81	6582.61	145466.21		
9+300.00	32.56	2804.67	0.52	31.71	154853.49	6614.31	148239.17		
9+400.00	42.23	3567.62	0.31	45.39	158421.1	6659.7	151761.4		
9+500.00	38.32	3962.51	0	16.49	162383.61	6676.19	155707.43		
9+600.00	4.83	2200.47	0.43	20.39	164584.08	6696.57	157887.51		
9+700.00	0	241.49	0	21.28	164825.57	6717.85	158107.71		
9+800.00	0	0	0	0	164825.57	6717.85	158107.71		
9+900.00	0	0	0	0	164825.57	6717.85	158107.71		
10+000.00	0	0	0	0	164825.57	6717.85	158107.71	15131.21	174.11
10+100.00	3.04	152.71	0.62	31.1	164978.28	6748.96	158229.32		
10+200.00	3.76	343.4	0.26	43.63	165321.68	6792.59	158529.1		
10+300.00	8.09	590.01	0.16	21.01	165911.69	6813.59	159098.1		
10+400.00	16.34	1212.26	0.02	8.73	167123.95	6822.32	160301.63		
10+500.00	31.27	2426.93	0	0.91	169550.88	6823.23	162727.66		
10+600.00	51.71	4084.56	0	0	173635.45	6823.23	166812.22		
10+700.00	7.68	2987.72	2.58	127.66	176623.17	6950.88	169672.29		
10+800.00	13.98	1096.79	1.6	206.06	177719.96	7156.94	170563.02		
10+900.00	2.43	794.54	0.62	114.78	178514.5	7271.73	171242.78		
11+000.00	13.26	773.57	0.04	33.11	179288.08	7304.84	171983.24	14462.51	586.99
11+100.00	16.5	1540.13	0	1.79	180828.21	7306.63	173521.58		
11+200.00	32.85	2407.9	0	0.24	183236.11	7306.87	175929.24		
11+300.00	24.3	2828.21	0.02	0.99	186064.32	7307.86	178756.46		
11+400.00	4.25	1446.92	0.49	25.23	187511.24	7333.09	180178.15		
11+500.00	0	212.63	0	24.5	187723.87	7357.6	180366.28		
11+600.00	0	0	0	0	187723.87	7357.6	180366.28		
11+700.00	19.8	951.08	0.66	33.61	188674.95	7391.21	181283.74		
11+800.00	12.25	1652.05	2.23	141.44	190327	7532.65	182794.34		
11+900.00	32.1	2251.48	1.14	166.64	192578.48	7699.29	184879.19		
12+000.00	13.05	2131.39	3.31	230.71	194709.87	7930	186779.86	15421.79	625.16
12+100.00	23.57	1878.4	4.09	365.21	196588.27	8295.21	188293.05		
12+200.00	41.46	3380.74	0.19	208.09	199969.01	8503.3	191465.7		
12+300.00	19.78	3080.11	0	9.44	203049.11	8512.74	194536.37		
12+400.00	27.69	2337.64	0	0.22	205386.75	8512.96	196873.79		
12+500.00	201.1	11465.08	0	0	216851.83	8512.96	208338.87		
12+600.00	46.72	12270.28	0	0	229122.11	8512.96	220609.15		
12+700.00	18.59	3230.24	0	0.18	232352.35	8513.14	223839.2		
12+800.00	39.49	2849.25	1.26	65.39	235201.6	8578.54	226623.06		
12+900.00	113.94	8055.23	0	55.24	243256.83	8633.78	234623.05		
13+000.00	48.52	8073.08	0	0.16	251329.91	8633.94	242695.97	56620.04	703.94
13+100.00	58.83	5456.54	0	0.15	256786.44	8634.09	248152.35		
13+200.00	32.14	4327.61	0	0.04	261114.05	8634.13	252479.92		
13+300.00	36.17	3522.75	0.77	36.5	264636.8	8670.63	255966.17		
13+400.00	25.11	3193.19	0.2	45.39	267829.99	8716.02	259113.96		
13+500.00	25.44	2448.35	0	10.03	270278.34	8726.06	261552.28		
13+600.00	54.67	3946.75	0.62	31.38	274225.09	8757.44	265467.66		
13+700.00	50.2	5256.42	2.27	144.34	279481.51	8901.78	270579.73		
13+800.00	32.23	4429.92	0.02	109.11	283911.43	9010.89	274900.54		
13+900.00	73.27	5346.32	0	1.11	289257.75	9011.99	280245.76		
14+000.00	195.95	13840.16	0.01	0.51	303097.91	9012.5	294085.41	51768	378.56
14+100.00	77.5	13031.88	0	0.59	316129.79	9013.09	307116.7		
14+200.00	49.5	6172.96	0	0.01	322302.75	9013.1	313289.65		
14+300.00	156.61	10891.85	0	0.05	333194.6	9013.15	324181.46		
14+400.00	227.31	17751.47	0	0.07	350946.07	9013.21	341932.86		
14+500.00	35.93	13180.57	0	0	364126.64	9013.21	355113.43		
14+600.00	10.42	2270.65	0.01	0.63	366397.29	9013.84	357383.44		
14+700.00	59.63	3508.43	0	0.69	369905.72	9014.53	360891.19		
14+800.00	99.14	8545.27	0.01	0.43	378450.99	9014.96	369436.02		
14+900.00	50.18	7025.51	0	0.39	385476.49	9015.35	376461.14		
15+000.00	51.75	5106.31	0	0	390582.8	9015.35	381567.45	87484.89	2.85
15+100.00	144.05	10640.59	0	0	401223.39	9015.36	392208.04		
15+200.00	77.85	10505.52	0	0.01	411728.91	9015.37	402713.55		
15+300.00	72.38	7638.93	0	0.02	419367.84	9015.39	410352.45		
15+400.00	25.98	4762.38	0.01	0.45	424130.22	9015.84	415114.38		
15+500.00	57.99	4399.92	0	0.35	428530.14	9016.19	419513.95		
15+600.00	28.93	4118.79	0.5	26.32	432648.93	9042.51	423606.42		
15+700.00	81.49	5626.94	0.02	25.7	438275.86	9068.21	429207.66		
15+800.00	40.14	6231.91	0.17	9.31	444507.77	9077.52	435430.26		
15+900.00	49.37	4392.63	0	8.51	448900.41	9086.03	439814.38		
16+000.00	36.7	4415.56	0	0.04	453315.97	9086.07	444229.9	62733.17	70.72
16+100.00	41.06	3845.76	0	0.01	457161.73	9086.08	448075.65		
16+200.00	56.48	4914.37	0	0.01	462076.09	9086.09	452990		

16+300.00	50.31	5388.82	0.02	0.86	467464.91	9086.95	458377.96		
16+400.00	70.44	5858.86	0	0.72	473323.77	9087.67	464236.1		
16+500.00	174.28	12468.8	0	0	485792.57	9087.67	476704.9		
16+600.00	14.77	9417.42	3.11	156.63	495209.99	9244.31	485965.69		
16+700.00	12.29	1358.39	0	152.56	496568.38	9396.86	487171.51		
16+800.00	75.14	4368.4	0.08	4.15	500936.78	9401.02	491535.76		
16+900.00	128.11	10181.06	0	4.13	511117.84	9405.15	501712.69		
17+000.00	46.98	8819.27	1.13	55.81	519937.11	9460.96	510476.15	66621.14	374.89
17+100.00	29.4	3871.43	0	54.87	523808.54	9515.84	514292.71		
17+200.00	34.33	3220.76	0	0.01	527029.3	9515.84	517513.46		
17+300.00	20.72	2736.05	0	0	529765.36	9515.85	520249.51		
17+400.00	9.1	1491.62	0	0.01	531256.98	9515.85	521741.12		
17+500.00	12.85	1092.54	0	0.01	532349.52	9515.86	522833.66		
17+600.00	97.48	5514.08	0	0	537863.6	9515.86	528347.74		
17+700.00	134.59	11483.06	0	0	549346.66	9515.86	539830.79		
17+800.00	74.18	10487.94	0	0	559834.6	9515.87	550318.73		
17+900.00	47.09	6060.17	0	0.14	565894.77	9516.01	556378.76		
18+000.00	71.38	5923.76	0	0.17	571818.53	9516.18	562302.35	51881.42	55.22
18+100.00	95.66	8260.07	0	0.03	580078.6	9516.21	570562.39		
18+200.00	128.33	11199.38	0	0.01	591277.98	9516.21	581761.77		
18+300.00	27.33	7751.6	0	0.05	599029.58	9516.26	589513.32		
18+400.00	126.95	7762.01	0	0.27	606791.6	9516.53	597275.06		
18+500.00	154.58	13571.18	0	0.14	620362.77	9516.68	610846.1		
18+600.00	57.41	10647.72	0	0.18	631010.49	9516.85	621493.64		
18+700.00	62.48	6005.54	0	0.21	637016.03	9517.06	627498.97		
18+800.00	50.8	5573.57	0.01	0.32	642589.61	9517.38	633072.22		
18+900.00	7.06	3185.72	9.85	540.26	645775.33	10057.65	635717.68		
19+000.00	23.42	1521.05	0	495.28	647296.38	10552.93	636743.45	75477.85	1036.75
19+100.00	65.59	4456.23	0	0.13	651752.61	10553.07	641199.54		
19+200.00	31.71	4792.39	0	0.19	656545	10553.26	645991.74		
19+295.05	0	1603.49	0	0.06	658148.49	10553.31	647595.17	10852.11	0.38
								658148.49	10553.31