

ANNEXE

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1. Axe en plan :Djelfa- Laghouat :

Tableau n° 1: Axe en plan: LAGHOUAT +4 SOL

<i>Listing de la géométrie de l'axe en plan</i>					
Description:					
Plage d'abscisse : Début: 0.00, Fin: 50391.26 P300 A P351					
Elem	Caractéristiques	Longueur	Abscisse	X	Y
			0.00	550,649.672	146,846.611
DR1	ANG=231.6578 (g)	1,252.989			
			1252.99	550,051.950	145,745.380
ARC2	XC=552,931.095				
	YC=144,182.650				
	R=3,275.911	402.398			
			1655.39	549,882.168	145,380.833
DR3	ANG=223.8379 (g)	1,088.433			
			2743.82	549,484.068	144,367.816
ARC4	XC=550,160.696				
	YC=144,101.912				
	R=727.001	391.900			
			3135.72	549,443.523	143,982.773
DR5	ANG=189.5200 (g)	1,172.848			
			4308.57	549,635.726	142,825.781
ARC6	XC=547,494.017				
	YC=142,469.994				
	R=2,171.060	247.793			
			4556.36	549,662.310	142,579.554
DR7	ANG=196.7860 (g)	1,270.154			
			5826.52	549,726.407	141,311.018
ARC8	XC=552,422.376				
	YC=141,447.239				
	R=2,699.408	200.992			
			6027.51	549,744.010	141,110.844
DR9	ANG=192.0459 (g)	1,264.112			
			7291.62	549,901.542	139,856.586
ARC10	XC=548,142.647				

	YC=139,635.674				
	R=1,772.714	168.472			
			7460.09	549,914.568	139,688.681
DR11	ANG=198.0961 (g)	1,033.456			
			8493.55	549,945.470	138,655.687
ARC12	XC=543,786.117				
	YC=138,471.427				
	R=6,162.109	760.639			
			9254.19	549,921.292	137,895.916
DR13	ANG=205.9544 (g)	842.714			
			10096.90	549,842.586	137,056.886
ARC14	XC=560,401.295				
	YC=136,066.424				
	R=10,605.062	502.257			
			10599.16	549,807.535	136,555.901
DR15	ANG=202.9394 (g)	1,102.258			
			11701.42	549,756.660	135,454.817
ARC16	XC=547,730.866				
	YC=135,548.417				
	R=2,027.955	310.626			
			12012.04	549,718.661	135,146.830
DR17	ANG=212.6906 (g)	745.308			
			12757.35	549,571.071	134,416.282
ARC18	XC=550,567.862				
	YC=134,214.904				
	R=1,016.930	762.913			
			13520.26	549,701.367	133,682.615
DR19	ANG=164.9306 (g)	781.650			
			14301.91	550,110.504	133,016.594
ARC20	XC=549,708.999				
	YC=132,769.949				
	R=471.211	348.072			
			14649.98	550,171.925	132,681.972
DR21	ANG=211.9562 (g)	922.042			
			15572.03	549,999.775	131,776.143
ARC22	XC=552,283.439				
	YC=131,342.139				
	R=2,324.539	564.347			
			16136.37	549,962.411	131,214.422
DR23	ANG=196.5004 (g)	717.637			

			16854.01	550,001.841	130,497.869
ARC24	XC=549,297.541				
	YC=130,459.114				
	R=705.365	555.311			
			17409.32	549,822.079	129,987.521
DR25	ANG=246.6195 (g)	629.270			
			18038.59	549,401.363	129,519.571
ARC26	XC=551,678.721				
	YC=127,472.084				
	R=3,062.444	918.775			
			18957.37	548,897.986	128,755.079
DR27	ANG=227.5200 (g)	942.678			
			19900.04	548,503.056	127,899.117
ARC28	XC=543,941.153				
	YC=130,003.920				
	R=5,024.058	153.174			
			20053.22	548,436.775	127,761.033
DR29	ANG=229.4609 (g)	1,302.554			
			21355.77	547,855.276	126,595.483
ARC30	XC=555,540.162				
	YC=122,761.456				
	R=8,588.203	239.220			
			21594.99	547,751.476	126,379.965
DR31	ANG=227.6877 (g)	828.900			
			22423.89	547,402.232	125,628.232
ARC32	XC=544,140.307				
	YC=127,143.674				
	R=3,596.765	1,080.482			
			23504.37	546,807.726	124,730.875
DR33	ANG=246.8119 (g)	643.561			
			24147.93	546,376.009	124,253.600
ARC34	XC=547,002.780				
	YC=123,686.657				
	R=845.143	458.517			
			24606.45	546,173.294	123,848.583
DR35	ANG=212.2733 (g)	440.088			
			25046.54	546,088.975	123,416.649
ARC36	XC=545,145.079				
	YC=123,600.909				
	R=961.713	524.748			

			25571.29	545,856.293	122,953.556
DR37	ANG=247.0097 (g)	939.351			
			26510.64	545,223.992	122,258.879
ARC38	XC=546,163.408				
	YC=121,403.814				
	R=1,270.290	571.938			
			27082.58	544,945.503	121,764.846
DR39	ANG=218.3464 (g)	1,074.615			
			28157.19	544,640.084	120,734.547
ARC40	XC=542,877.752				
	YC=121,256.967				
	R=1,838.134	228.294			
			28385.49	544,561.792	120,520.254
DR41	ANG=226.2531 (g)	1,205.741			
			29591.23	544,078.539	119,415.592
ARC42	XC=542,588.730				
	YC=120,067.336				
	R=1,626.130	336.454			
			29927.68	543,912.875	119,123.439
DR43	ANG=239.4251 (g)	781.530			
			30709.21	543,459.231	118,487.046
ARC44	XC=545,461.876				
	YC=117,059.492				
	R=2,459.369	994.110			
			31703.32	543,059.170	117,584.371
DR45	ANG=213.6921 (g)	757.401			
			32460.72	542,897.525	116,844.420
ARC46	XC=541,254.343				
	YC=117,203.379				
	R=1,681.933	473.464			
			32934.18	542,733.131	116,402.078
DR47	ANG=231.6129 (g)	1,179.909			
			34114.09	542,171.003	115,364.678
ARC48	XC=542,887.935				
	YC=114,976.199				
	R=815.419	161.194			
			34275.29	542,108.669	115,216.309
DR49	ANG=219.0280 (g)	1,301.145			
			35576.43	541,725.532	113,972.851
ARC50	XC=540,624.297				

	YC=114,312.167				
	R=1,152.325	224.450			
			35800.88	541,639.033	113,766.123
DR51	ANG=231.4281 (g)	1,222.777			
			37023.66	541,059.605	112,689.347
ARC52	XC=542,707.182				
	YC=111,802.763				
	R=1,870.973	226.099			
			37249.76	540,964.742	112,484.263
DR53	ANG=223.7348 (g)	1,211.731			
			38461.49	540,523.370	111,355.776
ARC54	XC=539,222.891				
	YC=111,864.417				
	R=1,396.410	348.135			
			38809.63	540,357.666	111,050.630
DR55	ANG=239.6062 (g)	893.067			
			39702.69	539,837.213	110,324.891
ARC56	XC=541,219.929				
	YC=109,333.298				
	R=1,701.517	727.962			
			40430.66	539,550.430	109,661.829
DR57	ANG=212.3696 (g)	664.919			
			41095.57	539,422.046	109,009.422
ARC58	XC=537,489.863				
	YC=109,389.646				
	R=1,969.239	903.517			
			41999.09	539,053.819	108,193.008
DR59	ANG=241.5788 (g)	543.485			
			42542.58	538,723.562	107,761.376
ARC60	XC=540,184.281				
	YC=106,643.728				
	R=1,839.249	849.118			
			43391.69	538,378.637	106,993.709
DR61	ANG=212.1882 (g)	811.605			
			44203.30	538,224.201	106,196.934
ARC62	XC=536,329.021				
	YC=106,564.269				
	R=1,930.451	507.184			
			44710.48	538,063.765	105,717.330
DR63	ANG=228.9140 (g)	443.108			

			45153.59	537,869.362	105,319.144
ARC64	XC=535,008.937				
	YC=106,715.665				
	R=3,183.127	1,531.375			
			46684.97	536,898.441	104,154.010
DR65	ANG=259.5413 (g)	595.469			
			47280.44	536,419.230	103,800.539
ARC66	XC=536,675.485				
	YC=103,453.128				
	R=431.695	237.799			
			47518.23	536,275.296	103,615.024
DR67	ANG=224.4731 (g)	1,168.389			
			48686.62	535,837.123	102,531.909
ARC68	XC=534,328.985				
	YC=103,142.026				
	R=1,626.876	415.360			
			49101.98	535,634.154	102,170.811
DR69	ANG=240.7267 (g)	1,288.667			
			50390.65	534,864.843	101,136.972

2.Axe en plan CHAREF :

Tableaux 02: axe en plan :CHAREF :

Listing de la géométrie de l'axe en plan**Axe en plan: CHAREF SOL**

Description:

Plage d'abscisse : Début: 0.00, Fin: 22089.72

Elem	Caractéristiques	Longueur	Abscisse	X	Y
			0.00	535,845.817	143,707.258
DR1	ANG=273.1149 (g)	971.159			
			971.16	534,959.980	143,309.211
ARC2	XC=534,556.632				
	YC=144,206.841				
	R=984.088	1,073.645			
			2044.80	533,946.535	143,434.694
DR3	ANG=342.5704 (g)	450.390			
			2495.19	533,593.145	143,713.918
ARC4	XC=533,252.166				
	YC=143,282.371				
	R=550.000	656.424			
			3151.62	532,976.592	143,758.353
DR5	ANG=266.5900 (g)	1,051.290			
			4202.91	532,066.782	143,231.611
ARC6	XC=531,590.791				
	YC=144,053.763				
	R=950.000	171.206			
			4374.11	531,911.709	143,159.608
DR7	ANG=278.0629 (g)	594.249			
			4968.36	531,352.393	142,958.866
ARC8	XC=530,930.133				
	YC=144,135.386				
	R=1,250.000	962.489			
			5930.85	530,414.271	142,996.796
DR9	ANG=327.0821 (g)	1,307.821			
			7238.67	529,223.014	143,536.520

ARC10	XC=528,638.044				
	YC=142,245.399				
	R=1,417.457	63.509			
			7302.18	529,164.598	143,561.425
DR11	ANG=324.2297 (g)	1,060.975			
			8363.16	528,179.544	143,955.553
ARC12	XC=528,380.962				
	YC=144,458.964				
	R=542.210	159.372			
			8522.53	528,042.336	144,035.497
DR13	ANG=342.9419 (g)	299.751			
			8822.28	527,808.230	144,222.701
ARC14	XC=527,376.760				
	YC=143,683.130				
	R=690.872	716.523			
			9538.80	527,131.703	144,329.080
DR15	ANG=276.9162 (g)	296.638			
			9835.44	526,854.353	144,223.860
ARC16	XC=526,642.962				
	YC=144,781.072				
	R=595.962	523.959			
			10359.40	526,348.609	144,262.875
DR17	ANG=332.8867 (g)	641.176			
			11000.58	525,791.099	144,579.560
ARC18	XC=526,204.009				
	YC=145,306.472				
	R=836.000	374.188			
			11374.76	525,517.169	144,829.873
DR19	ANG=361.3814 (g)	1,229.117			
			12603.88	524,816.457	145,839.690
ARC20	XC=524,295.576				
	YC=145,478.251				
	R=634.000	203.464			
			12807.34	524,675.851	145,985.544
DR21	ANG=340.9509 (g)	1,308.614			
			14115.96	523,628.767	146,770.455
ARC22	XC=523,127.331				
	YC=146,101.531				
	R=836.000	161.477			
			14277.44	523,491.038	146,854.268

DR23	ANG=328.6543 (g)	1,007.109			
ARC24	XC=523,029.297				
	YC=148,213.530				
	R=1,023.000	193.172			
			15477.72	522,419.245	147,392.332
DR25	ANG=340.6755 (g)	1,294.370			
			16772.09	521,380.209	148,164.212
ARC26	XC=520,643.137				
	YC=147,172.032				
	R=1,236.000	293.474			
			17065.56	521,126.155	148,309.745
DR27	ANG=325.5597 (g)	498.008			
			17563.57	520,667.749	148,504.362
ARC28	XC=520,291.808				
	YC=147,618.860				
	R=962.000	404.394			
			17967.96	520,273.648	148,580.689
DR29	ANG=298.7982 (g)	1,007.371			
			18975.33	519,266.457	148,561.673
ARC30	XC=519,252.262				
	YC=149,313.540				
	R=752.000	389.653			
			19364.99	518,892.211	148,653.337
DR31	ANG=331.7850 (g)	490.736			
			19855.72	518,461.379	148,888.298
ARC32	XC=518,210.971				
	YC=148,429.141				
	R=523.000	278.139			
			20133.86	518,193.957	148,951.864
DR33	ANG=297.9286 (g)	1,156.654			
			21290.52	517,037.916	148,914.237
ARC34	XC=517,005.840				
	YC=149,899.715				
	R=986.000	225.385			
			21515.90	516,813.772	148,932.603
DR35	ANG=312.4808 (g)	573.819			
			22089.72	516,250.945	149,044.380

3. El maalba :

Tableau 03 :Axe en plan : EL MAALBA

<i>Listing de la géométrie de l'axe en plan</i>					
Axe en plan: EL MAALBA SOL					
Description:					
Plage d'abscisse : Début: 0.00, Fin: 17763.50 P61 A P 79					
Elem	Caractéristiques	Longueur	Abscisse	X	Y
			0.00	555,368.758	154,324.298
DR1	ANG=63.9162 (g)	997.525			
			997.53	556,210.292	154,859.907
ARC2	XC=556,883.075				
	YC=153,802.848				
	R=1,253.000	237.072			
			1234.60	556,421.106	154,967.578
DR3	ANG=75.9613 (g)	1,069.164			
			2303.76	557,414.949	155,361.768
ARC4	XC=553,703.599				
	YC=164,718.929				
	R=10,066.309	358.068			
			2661.83	557,745.374	155,499.675
DR5	ANG=73.6967 (g)	1,201.795			
			3863.62	558,846.041	155,982.214
ARC6	XC=566,231.479				
	YC=139,136.095				
	R=18,393.923	215.994			
			4079.62	559,044.365	156,067.776
DR7	ANG=74.4443 (g)	1,116.922			
			5196.54	560,072.496	156,504.194
ARC8	XC=539,320.549				
	YC=205,392.431				
	R=53,110.291	244.855			
			5441.40	560,297.665	156,600.386
DR9	ANG=74.1508 (g)	1,297.487			
			6738.88	561,489.657	157,112.858
ARC10	XC=563,780.114				

	YC=151,785.336				
	R=5,799.024	129.157			
			6868.04	561,608.871	157,162.546
DR11	ANG=75.5687 (g)	1,266.763			
			8134.80	562,783.491	157,636.842
ARC12	XC=578,681.416				
	YC=118,264.700				
	R=42,460.682	329.827			
			8464.63	563,089.804	157,759.145
DR13	ANG=76.0632 (g)	703.853			
			9168.48	563,744.486	158,017.600
ARC14	XC=572,429.471				
	YC=136,018.039				
	R=23,651.842	136.198			
			9304.68	563,871.313	158,067.247
DR15	ANG=76.4298 (g)	1,024.276			
			10328.96	564,826.185	158,437.870
ARC16	XC=549,668.962				
	YC=197,488.888				
	R=41,889.419	250.372			
			10579.33	565,059.320	158,529.162
DR17	ANG=76.0493 (g)	1,030.393			
			11609.72	566,017.648	158,907.733
ARC18	XC=569,808.681				
	YC=149,310.971				
	R=10,318.418	341.519			
			11951.24	566,337.300	159,027.929
DR19	ANG=78.1564 (g)	997.678			
			12948.92	567,276.823	159,363.574
ARC20	XC=566,985.815				
	YC=160,178.153				
	R=865.000	107.968			
			13056.89	567,375.970	159,406.140
DR21	ANG=70.2102 (g)	842.859			
			13899.75	568,128.222	159,786.308
ARC22	XC=566,081.423				
	YC=163,836.384				
	R=4,537.897	129.035			
			14028.78	568,242.543	159,846.138
DR23	ANG=68.4000 (g)	1,141.939			

			15170.72	569,246.669	160,389.973
ARC24	XC=567,287.937				
	YC=164,006.534				
	R=4,112.924	287.785			
			15458.50	569,494.723	160,535.765
DR25	ANG=63.9455 (g)	1,215.274			
			16673.78	570,520.255	161,187.820
ARC26	XC=567,309.709				
	YC=166,237.273				
	R=5,983.693	259.127			
			16932.91	570,735.847	161,331.545
DR27	ANG=61.1886 (g)	830.598			
			17763.50	571,416.812	161,807.128

4. EL Moudjbara (Aliliga) :

Tableau 04:-Axe en plan MOUDJBARA (ALILIGA) :

<i>Listing de la géométrie de l'axe en plan</i>					
Axe en plan: MOUDJBARA ALILIGA SOL					
Description:					
Plage d'abscisse : Début: 0.00, Fin: 4311.71					
Elem	Caractéristiques	Longueur	Abscisse	X	Y
			0.00	566,093.041	142,232.819
DR1	ANG=108.4002 (g)	1,033.043			
			1033.04	567,117.105	142,096.904
ARC2	XC=567,076.351				
	YC=141,789.842				
	R=309.755	620.354			
			1653.40	567,338.152	141,624.288
DR3	ANG=235.8977 (g)	151.900			
			1805.30	567,256.966	141,495.904
ARC4	XC=566,930.861				
	YC=141,702.122				
	R=385.837	146.537			

			1951.83	567,157.278	141,389.703
DR5	ANG=260.0760 (g)	153.118			
			2104.95	567,033.295	141,299.850
ARC6	XC=567,181.191				
	YC=141,095.778				
	R=252.029	482.695			
			2587.65	567,039.044	140,887.660
DR7	ANG=138.1483 (g)	209.765			
			2797.41	567,212.261	140,769.351
ARC8	XC=566,920.852				
	YC=140,342.698				
	R=516.674	305.672			
			3103.08	567,400.679	140,534.318
DR9	ANG=175.8117 (g)	228.622			
			3331.71	567,485.469	140,322.001
ARC10	XC=568,787.282				
	YC=140,841.884				
	R=1,401.784	848.224			
			4179.93	568,012.349	139,673.777
DR11	ANG=137.2896 (g)	131.779			
			4311.71	568,122.160	139,600.927

5.Gueltat el stall :

Tableau 05 : Axe en plan :GULTET S'TALL

<i>Listing de la géométrie de l'axe en plan</i>					
Axe en plan: GUELLET S'TALL SOL					
Description:					
Plage d'abscisse : Début: 0.00, Fin: 21679.31 P 217 A P239					
Elem	Caractéristiques	Longueur	Abscisse	X	Y
			0.00	939,520.561	6,778,579.538
DR1	ANG=366.9053 (g)	231.365			
			231.37	939,405.630	6,778,780.338
ARC2	XC=942,399.192				
	YC=6,780,493.744				
	R=3,449.228	2,368.811			
			2600.18	938,997.901	6,781,066.802
DR3	ANG=10.6261 (g)	1,272.300			
			3872.48	939,209.282	6,782,321.419
ARC4	XC=934,987.136				
	YC=6,783,032.777				
	R=4,281.653	851.637			
			4724.11	939,266.598	6,783,169.720
DR5	ANG=397.9635 (g)	730.533			
			5454.65	939,243.233	6,783,899.879
ARC6	XC=940,507.277				
	YC=6,783,940.329				
	R=1,264.691	572.322			
			6026.97	939,352.785	6,784,456.655
DR7	ANG=26.7730 (g)	999.562			
			7026.53	939,760.869	6,785,369.120
ARC8	XC=941,794.234				
	YC=6,784,459.733				
	R=2,227.455	310.221			
			7336.75	939,906.800	6,785,642.590
DR9	ANG=35.6394 (g)	1,211.634			
			8548.39	940,550.221	6,786,669.268

ARC10	XC=939,887.214				
	YC=6,787,084.775				
	R=782.447	714.577			
			9262.96	940,621.297	6,787,355.600
DR11	ANG=377.4994 (g)	661.877			
			9924.84	940,392.204	6,787,976.565
ARC12	XC=944,334.273				
	YC=6,789,430.910				
	R=4,201.788	728.302			
			10653.14	940,200.450	6,788,678.225
DR13	ANG=388.5341 (g)	1,674.277			
			12327.42	939,900.529	6,790,325.420
ARC14	XC=949,570.305				
	YC=6,792,086.090				
	R=9,828.760	1,362.337			
			13689.76	939,750.007	6,791,678.320
DR15	ANG=397.3581 (g)	737.345			
			14427.10	939,719.417	6,792,415.030
ARC16	XC=939,319.666				
	YC=6,792,398.431				
	R=400.096	156.880			
			14583.98	939,682.735	6,792,566.530
DR17	ANG=372.3958 (g)	639.288			
			15223.27	939,414.141	6,793,146.656
ARC18	XC=936,523.671				
	YC=6,791,808.388				
	R=3,185.244	1,473.301			
			16696.57	938,513.252	6,794,295.826
DR19	ANG=342.9496 (g)	742.507			
			17439.08	937,933.409	6,794,759.614
ARC20	XC=939,279.339				
	YC=6,796,442.339				
	R=2,154.783	1,230.515			
			18669.60	937,237.414	6,795,754.127
DR21	ANG=379.3045 (g)	1,421.998			
			20091.59	936,783.245	6,797,101.647
ARC22	XC=933,341.582				
	YC=6,795,941.665				
	R=3,631.887	212.084			
			20303.68	936,709.680	6,797,300.531

DR23	ANG=375.5870 (g)	1,409.262			
			21712.94	936,182.406	6,798,607.437

6. Koudiet El Khchem :

Tableau 06: Profil en long KOUDIET EL KCHEM

<i>Profil : Abscisse Sommets et Raccordements</i>				
Profil en long : LP - KOUDIET EL KCHEM SOL				
Description:				
Plage d'abscisse : Début: 0.00, Fin: 3021.55 P84 A P88				
LONGUEUR DE L'AXE : 3,021.550m				
Elément	Caractéristiques des éléments	Longueur	Abscisse	Z
			0.00	648.384
D1	PENTE= 0.51%	140.357		
			140.36	649.095
PAR1	S= 237.74 Z=649.589			
	R = 17,512.125	194.770		
			335.13	649.000
D2	PENTE= -0.61%	512.423		
			847.55	645.899
PAR2	S= 888.46 Z=645.651			
	R = 6,871.402	81.820		
			929.37	645.891
D3	PENTE= 0.59%	302.282		
			1231.65	647.661
PAR3	S= 1293.59 Z=648.023			
	R = 6,109.729	123.883		
			1355.54	647.130
D4	PENTE= -1.44%	205.386		
			1560.92	644.168
PAR4	S= 1573.14 Z=643.992			
	R = 4,056.533	24.444		
			1585.37	643.889

D5	PENTE= -0.84%	351.915		
			1937.28	640.935
PAR5	S= 1965.31 Z=640.700			
	R = 6,336.456	56.056		
			1993.34	640.216
D6	PENTE= -1.72%	314.715		
			2308.05	634.790
PAR6	S= 2356.62 Z=633.953			
	R = 4,270.617	97.146		
			2405.20	634.220
D7	PENTE= 0.55%	616.351		
			3021.55	637.613

7. Sadaat :

Tableau 07 : Axe en plan SAADAT

<i>Listing de la géométrie de l'axe en plan</i>					
Axe en plan: SAADAT SOL					
Description:					
Plage d'abscisse : Début: 0.00, Fin: 9230.84 P09 A 19					
Elem	Caractéristiques	Longueur	Abscisse	X	Y
			0.00	496,283.030	238,220.832
DR1	ANG=281.6812 (g)	1,206.798			
			1206.80	495,125.850	237,878.347
ARC2	XC=494,573.487				
	YC=239,744.657				
	R=1,946.334	196.004			
			1402.80	494,935.424	237,832.271
DR3	ANG=288.0922 (g)	1,101.958			
			2504.76	493,852.687	237,627.354

ARC4	XC=493,427.265				
	YC=239,875.182				
	R=2,287.732	192.140			
			2696.90	493,662.620	237,599.589
DR5	ANG=293.4390 (g)	1,121.174			
			3818.07	492,547.395	237,484.245
ARC6	XC=496,594.886				
	YC=198,350.073				
	R=39,342.924	262.866			
			4080.94	492,286.016	237,456.329
DR7	ANG=293.0137 (g)	556.771			
			4637.71	491,732.594	237,395.351
ARC8	XC=491,851.871				
	YC=236,312.827				
	R=1,089.076	288.540			
			4926.25	491,453.295	237,326.347
DR9	ANG=276.1470 (g)	1,116.637			
			6042.89	490,414.126	236,917.685
ARC10	XC=489,664.776				
	YC=238,823.175				
	R=2,047.540	178.839			
			6221.73	490,245.049	236,859.581
DR11	ANG=281.7075 (g)	413.447			
			6635.17	489,848.553	236,742.410
ARC12	XC=489,215.667				
	YC=238,884.041				
	R=2,233.188	1,050.549			

			7685.72	488,809.078	236,688.178
DR13	ANG=311.6557 (g)	190.988			
			7876.71	488,621.281	236,722.951
ARC14	XC=488,087.944				
	YC=233,842.561				
	R=2,929.350	600.180			
			8476.89	488,024.097	236,771.216
DR15	ANG=298.6123 (g)	753.948			
			9230.84	487,270.328	236,754.783

8. El Ardjaa :

Tableau 08: Axe en plan EL ARJA

<i>Listing de la géométrie de l'axe en plan</i>					
<i>Axe en plan: EL ARJA SOL</i>					
Description:					
Plage d'abscisse : Début: 0.00, Fin: 4243.16 P96 A P101					
Elem	Caractéristiques	Longueur	Abscisse	X	Y
			0.00	478,723.284	238,106.133
DR1	ANG=303.2252 (g)	466.233			
			466.23	478,257.649	238,129.742
ARC2	XC=478,310.820				
	YC=239,178.395				
	R=1,050.000	209.665			
			675.90	478,050.698	238,161.126
DR3	ANG=315.9372 (g)	1,209.757			
			1885.66	476,878.652	238,460.825
ARC4	XC=477,250.255				
	YC=239,914.067				
	R=1,500.000	11.789			
			1897.44	476,867.243	238,463.790
DR5	ANG=316.4376 (g)	974.692			
			2872.14	475,924.860	238,712.669
ARC6	XC=475,610.791				
	YC=237,523.442				

	R=1,230.000	467.964			
			3340.10	475,460.788	238,744.262
DR7	ANG=292.2168 (g)	903.056			
			4243.16	474,564.473	238,634.131

ANNXE DES PHOTOS

Djelfa-Laghouat :



Hassi elkhneque (Charef) :



Maalaba (Moudjbara) :



Aliliga (Moudjbara) :



Gueltat s'tall (Ain Oussera):



Koudiet elkchahem (Ain Oussera) :



Saadat (Sidi Laadjal) :



ElArdja (Sidi Laadjal) :

