

Marrakech, Morocco, 18-22 May 2011



















				PROJECT		0	1/10/20
		TONK		NOILCI		0.	1/ 10/ 20
LT HA 000-	050						
	CHAINAGE	NORTHING	EASTING		LENGTH	DEFLECTION	
POINT	(m)	(m)	(m)	ELEMENT	(m)	ANGLE	
START	-0+694.907	965997.553	102655.739				1
				STRAIGHT	35.736		
BTC	-0+659.17	966017.117	102685.644				
				SPIRAL	80		
BCC	-0+579.17	966058.965	102753.796				1
PI	-0+468.742	966121.37	102845			35°31'39.2" Right	
CC		965645.057	102976.463	R = +470.000	210.803		
ECC	-0+368.367	966114.581	102955.302				
				SPIRAL	80		
ETC	-0+288.367	966113.614	103035.27				
				STRAIGHT	2.451		
							1
	LT HA 000- POINT START BTC BTC PI CC ECC ETC	LT HA 000-USU   CHAINAGE (m)   STAR -04684.907   BTC -04689.171   BTC -04689.171   BTC -04689.171   PI -0468.742   CC -0468.742   CC -0468.367   ECC -04368.367   ECC -04288.367	CHAINAGE POINT NORTHING (m)   TOTAL 04599.753   OHERNARY 96599.753   BTC 0-04659.17   BTC 0-04659.17   BTC 0-04579.17   BOC 0-04579.17   PI 0-0468.742   OCC 9666121.37   CC 966545.057   ECC 0-04388.367   ECC -04-388.367   ECC -04-288.367   ECC -04-288.367	CHAINAGE NORTHING (m) EASTING (m)   POINT 0,4684.907 965997.553 102655.79   START -0,4684.907 965097.553 102655.79   BTC -0,4659.17 966017.117 102685.644   BTC -0,4659.17 966058.965 102753.796   PI -0,4681.742 996121.37 1022845   CC 965645.057 102976.463   ECC -0,4368.367 966114.581 102955.302   ETC -0,4288.367 966113.614 103035.27	CHAINAGE NORTHING (m) EASTING (m) ELEMENT   POINT (m) (m) ELEMENT   STAR -0.4694.907 965997.553 102655.739    STAR -0.4694.907 966017.517 102685.644    BTC -0.4659.17 966058.966 102753.796 SPIRAL   BOC -0.4579.17 966058.965 102753.796 SPIRAL   PI -0.468.742 966121.37 102845    CC 965645.057 102976.463 R = +470.000   ECC -0.9368.367 966114.581 102955.302    ETC -0.4288.367 966113.614 103035.27 STRAIGHT	LT HA 000-050   CHAINAGE NORTHING (m) EASTING (m) ELEMENT LENGTH (m)   90INT 0+694.907 965997.553 102655.739 - -   STAR -0+694.907 966997.553 102655.739 - -   BTC -0+659.17 966017.117 102685.644 - -   BTC -0+659.17 966058.965 102753.796 - -   PI -0+468.742 96612.37 102845 - -   CC -0+568.367 966114.581 102976.463 R = +470.000 210.803   ECC -0+368.367 966114.581 102955.302 - -   ECC -0+288.367 966113.614 103035.27 - -   ETC -0+288.367 966113.614 103035.27 - -	CHAINAGE NORTHING (m) EASTING (m) LENGTH (m) DEFLECTION ANGLE   POINT (m) (m) ELEMENT (m) ANGLE   STAR -0.4984.907 965997.553 102655.739      STRAIGHT -0.4659.17 966017.117 102685.644      BTC -0.4659.17 966017.117 102685.644       BTC -0.4659.17 966017.137 102685.644        BTC -0.4659.17 966017.137 102685.644        BTC -0.4689.472 966121.39 102753.796       35'31'39.2'' Flight <td< td=""></td<>

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Vertical Alignment: VA Vertical Description:	000-050	
Vertical Style: VA	Display Station	Elevation
lomont: Lincar		
START	-0+694 907	65.553
PVC	-0+568.282	64.745
Tangent Grade:	1:-156.6766	
Tangent Length:	126.625	
lement: Circular		
PVC	-0+568.282	64.745
PVI	-0+420.253	63.800
PVCC	-0+411.976	24554.246

















The s In t	stake ou tages:	ut of the	e geo	metric	al elem	onte					
ln t	stages:		, acc				was	made	in tv	NO	
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	ha firet el	ano th	o rai	lway ay		wae	etak	od ou	.+		
		aye, m	erai	iway az		, was	Slan				
-	After sta	aking ol	it the	e point,	the re	al va	lues	of the	e plar	nimet	ric
(	coordinate	s, and	heigh	nts wer	e recor	ded.	This	appro	ach a	allow	ed
(	reating a	data	file.	which	was i	name	d "P	replot	— r	oosto	lot
	omnarico	n"	me,		indo i	amo	ŭ .	opiot	ſ	500tp	
,	ompanso	11									
		005000 740	66.612	102411 249	965902 760	00 505					
160	103411.356	965902.748		100411.040	000002.700	00.080	0.007	-0.012	0.014	0.027	
160 180	103411.356 103425.337	965902.748	66.587	103425.338	965888.462	66.574	0.007	-0.012 -0.015	0.014	0.027	
160 180 200	103411.356 103425.337 103439.319	965888.447 965874.146	66.587 66.554	103425.338 103439.289	965888.462 965874.155	66.574 66.576	0.007 -0.001 0.030	-0.012 -0.015 -0.009	0.014 0.015 0.031	0.027 0.013 -0.022	
160 180 200 220	103411.356 103425.337 103439.319 103453.300	965802.748 965888.447 965874.146 965859.846	66.587 66.554 66.513	103425.338 103439.289 103453.287	965888.462 965874.155 965859.861	66.574 66.576 66.550	0.007 -0.001 0.030 0.013	-0.012 -0.015 -0.009 -0.015	0.014 0.015 0.031 0.020	0.027 0.013 -0.022 -0.037	
160 180 200 220 240	103411.356 103425.337 103439.319 103453.300 103467.282	965902.748 965888.447 965874.146 965859.846 965845.545	66.587 66.554 66.513 66.463	103425.338 103439.289 103453.287 103467.299	965888.462 965874.155 965859.861 965845.569	66.574 66.576 66.550 66.563	0.007 -0.001 0.030 0.013 -0.017	-0.012 -0.015 -0.009 -0.015 -0.024	0.014 0.015 0.031 0.020 0.029	0.027 0.013 -0.022 -0.037 -0.100	
160 180 200 220 240 260	103411.356 103425.337 103439.319 103453.300 103467.282 103481.264	965902.748 965888.447 965874.146 965859.846 965845.545 965845.545	66.587 66.554 66.513 66.463 66.405	103411.343 103425.338 103439.289 103453.287 103467.299 103467.299	965888.462 965874.155 965859.861 965845.569 965831.216	66.574 66.576 66.550 66.563 66.558	0.007 -0.001 0.030 0.013 -0.017 0.012	-0.012 -0.015 -0.009 -0.015 -0.024 0.028	0.014 0.015 0.031 0.020 0.029 0.030	0.027 0.013 -0.022 -0.037 -0.100 -0.153	







## 3. Phase Two – Design And Stake OutStakeing out geometrical elements

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Coordonate	nitiale si corectii de	coordonate		
Nrp	X0	YO	dX[cm]	dY[cm]
PEPEL3	948666.259	713614.117	-0.352	0.219
PEPEL4	948948.632	713617.423	0.208	-0.142
PEPEL10	948824.298	713686.111	-0.180	0.028
BM7	948795.322	713777.805	-0.112	0.067
PEPEL7	948609.946	713781.519	-0.162	0.440
PEPEL1	949084.594	713819.534	-0.166	-0.023
BM21	949085.095	713822.054	0.000	0.000
999	948795.356	713777.810	0.000	0.000
Coordonate o	compensate si eroril	e medii ale coordonate	elor	
Nrp	х	Y	mX[cm]	mY[cm]
PEPEL3	948666,255	713614,119	0.119	0.086
PEPEL4	948948.634	713617.422	0.080	0.070
PEPEL10	948824.296	713686.111	0.059	0.048
BM7	948795.321	713777.805	0.054	0.048
PEPEL7	948609.945	713781.523	0.175	0.091
PEPEL1	949084.593	713819.534	0.092	0.074























