Estacion	Azimut			D-			D+		
	G	min	seg	G	min	seg	G	min	seg
0+0	00	00	00						
0+180	35	20	40						
0+300	09°	50	40'	25	30	00			
0+600	25	40	40				15	50	00
0+860	5	40	40	20	00	00			
1+0	41	30	40				35	50	00

$Az_2 = \beta - \Delta_1$ AZIMUT

$Az_2 = 35° 20' 40'' - 25° 30' 00'' = 9° 50' 40''$

$A_{z2} = 9° 50' 40''$ e

$A_{z3} = 9° 50' 40'' + 15° 50' 00'' = 25° 40' 40''$

$A_{z3} = 25° 40' 40''$ e

$A_{z4} = 25° 40' 40' - 20° 00' 00'' = 5° 40' 40''$

$A_{z4} = 5° 40' 40''$ e

$A_{z5} = 5° 40' 40'' + 35° 50' 00'' = 41° 30' 40''$

$A_{z5} = 41° 30' 40''$ e

COORDENADAS PARCIALES Y TOTALES

0+000 = BM1 = (0, 0) FORMULA = $\Delta N_{n-n+1} = D_{n-n+1} \cos \varphi_{n-n+1}$

$\Delta E_{n-n+1} = D_{n-n+1} \operatorname{Sen} \varphi_{n-n+1}$

COORDENADAS 0+180

180 Cos (35° 20' 40'') = 146.87

180 sen (35° 20' 40'') = 104.13

COORDENADAS 0+300

120 Cos 09° 50' 40" = 118.23 + 146.87 = 265.05

120 Sen 09° 50' 40" = 20.57 + 104.13 = 124.65

COORDENADAS 0+600

300 Cos 25° 40' 40" = 270.37 + 265.05 = 535.42

300 Sen 25° 40' 40" = 179.99 + 124.65 = 254.64

COORDENADAS 0+860

260 Cos 05° 40' 40" = 258.72 + 535.42 = 794.14

260 Sen 05° 40' 40" = 25.72 + 254.64 = 280.36

COORDENADAS 1+000

140 Cos 41° 30' 40" = 104.84 + 794.14 = 898.98

140 Sen 41° 30' 40" = 92.79 + 280.36 = 373.15

	Y LATITUD	X LONGITUD
0+000	0	0
0+180	146.87	104.13
0+300	265.05	124.65
0+600	535.42	254.64
0+860	794.14	280.36
1+000	898.98	373.15

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ESTACION	V A	HI	VAD	+	COTA
BM 1	1.5	2334.5			2333
0+ 60			0.5	1	2334
0+ 120			1	-0.50	2333.50
0+ 180			1.5	-0.50	2333
0+ 240			1.6	-0.10	2332.90
0+ 300			1.65	-0.05	2332.85
0+ 360			1.3	+0.35	2333.20
BM2	1.02	2335.37		1.15	2334.35
0+ 480			2.05	-1.03	2333.32
0+ 540			2	0.05	2333.37
0+ 600			1.95	0.05	2333.42
0+ 660			1.8	0.15	2333.57
BM3	1.75	2336.57		1.75	2335.32
0+ 720			1.5	-0.25	2335.07
0+ 780			1.55	-0.05	2335.02
0+ 840			1.45	0.10	2335.12
0+ 900			1.6	-0.15	2334.97
0+ 960			1.75	-0.15	2334.82
1+ 000			1.8	-0.05	2334.77

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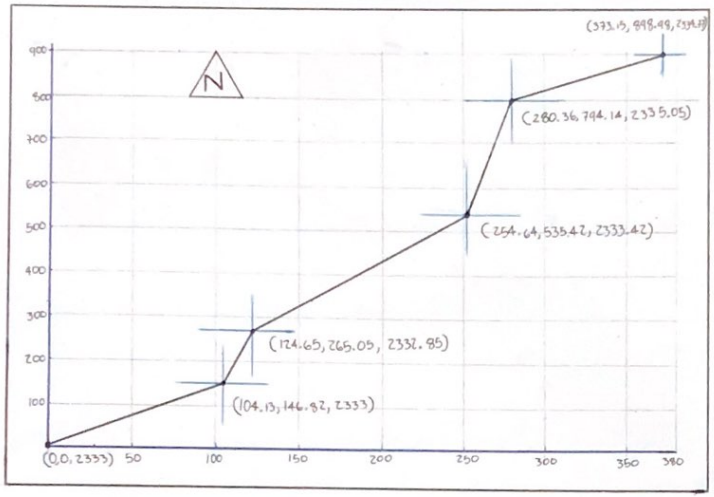

PLANTA DE POLIGONAL ESC H:1:2000 V: 1:7500

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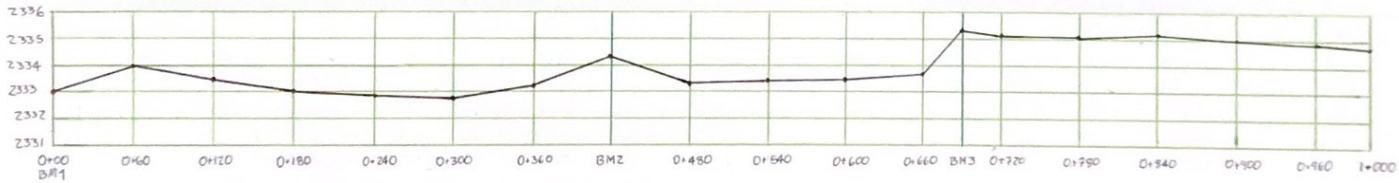
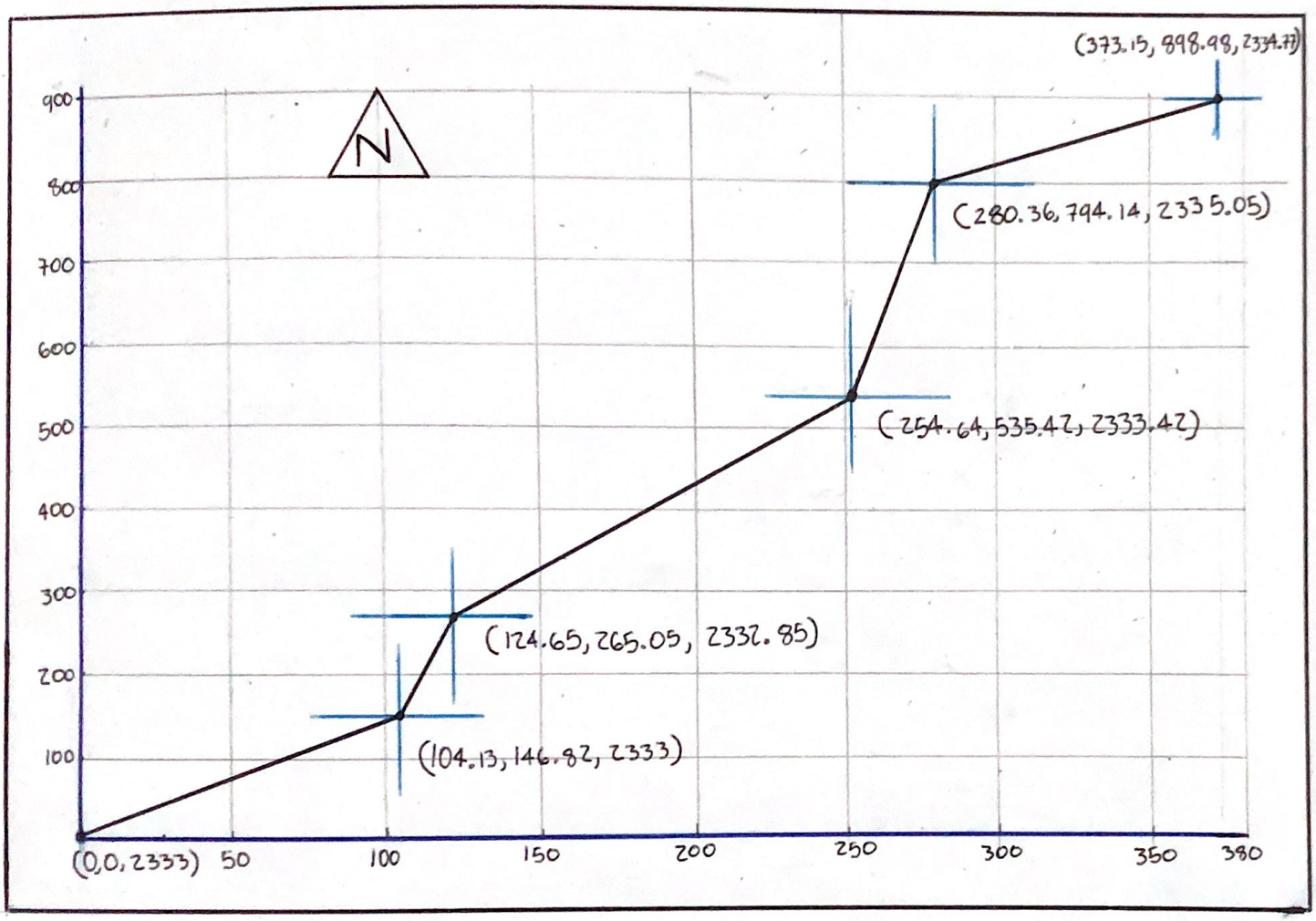
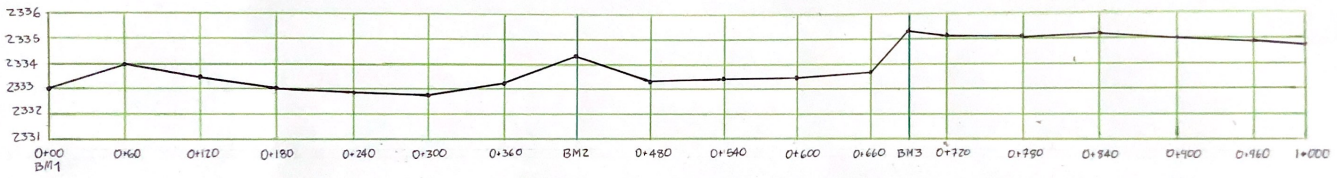


PERFIL DE LA POLIGONAL ESC H:1:2500 V: 1:125



PLANTA DE POLIGONAL ESC H=1:2000 V=1:7500



PERFIL DE LA POLIGONAL ESC H:1:2500 V:1:125