

DISEÑO CABLE SAN CRISTOBAL					
ESTACION ALTAMIRA - CALLE 43A SUR					
ABSCISA	ESTE	NORTE	COTAS		
			TERRENO	RASANTE	TRABAJO
0+000.00	99111.286	94239.9021	2,870.410m	2,870.410m	-0.000m
0+010.00	99121.1351	94238.1715	2,871.729m	2,871.735m	-0.006m
0+020.00	99130.9907	94236.4862	2,873.083m	2,873.060m	0.022m
0+030.00	99140.9255	94235.3516	2,874.339m	2,874.379m	-0.040m
0+040.00	99150.7824	94233.6654	2,875.607m	2,875.625m	-0.018m
0+050.00	99160.6392	94231.9792	2,876.750m	2,876.779m	-0.029m
0+060.00	99170.496	94230.293	2,877.829m	2,877.840m	-0.012m
0+070.00	99180.3528	94228.6068	2,878.828m	2,878.816m	0.012m
0+080.00	99190.193	94226.8367	2,879.752m	2,879.773m	-0.022m
0+090.00	99199.9607	94224.7006	2,880.662m	2,880.700m	-0.038m
0+100.00	99209.8253	94223.0608	2,881.554m	2,881.551m	0.003m
0+108.99	99218.6902	94221.5871	2,882.255m	2,882.256m	-0.002m

DISEÑO CABLE SAN CRISTOBAL					
ESTACION ALTAMIRA - CALLE 42B SUR					
ABSCISA	ESTE	NORTE	COTAS		
			TERRENO	RASANTE	TRABAJO
0+000.00	99131.3334	94334.3837	2,865.471m	2,865.471m	0.000m
0+010.00	99140.4682	94330.3148	2,866.654m	2,866.676m	-0.022m
0+020.00	99149.603	94326.2459	2,868.231m	2,868.393m	-0.162m
0+030.00	99158.7378	94322.177	2,869.623m	2,868.636m	0.986m
0+040.00	99167.8725	94318.1081	2,870.849m	2,870.623m	0.226m
0+050.00	99177.0073	94314.0392	2,872.497m	2,872.396m	0.102m
0+060.00	99186.1421	94309.9703	2,873.904m	2,873.770m	0.134m
0+070.00	99195.2769	94305.9014	2,874.939m	2,874.959m	-0.020m
0+079.60	99204.0437	94301.9964	2,876.100m	2,876.100m	-0.000m

DISEÑO CABLE SAN CRISTOBAL					
ESTACION ALTAMIRA - CARRERA 12A ESTE					
ABSCISA	ESTE	NORTE	COTAS		
			TERRENO	RASANTE	TRABAJO
0+000.00	99131.7448	94212.0201	2,872.590m	2,872.590m	0.000m
0+010.00	99133.3355	94221.8928	2,872.947m	2,872.889m	0.057m
0+020.00	99134.9262	94231.7655	2,873.539m	2,873.513m	0.026m
0+030.00	99137.4407	94241.4395	2,873.788m	2,873.879m	-0.091m
0+040.00	99139.3477	94251.256	2,873.618m	2,873.639m	-0.021m
0+050.00	99141.2547	94261.0725	2,872.815m	2,872.798m	0.017m
0+060.00	99143.1616	94270.8889	2,871.739m	2,871.719m	0.020m
0+070.00	99145.0686	94280.7054	2,870.663m	2,870.674m	-0.011m
0+080.00	99146.9756	94290.5219	2,869.854m	2,869.837m	0.017m
0+090.00	99148.8826	94300.3384	2,869.205m	2,869.230m	-0.024m
0+100.00	99150.7896	94310.1549	2,868.846m	2,868.854m	-0.007m
0+110.00	99152.6025	94319.9879	2,868.571m	2,868.583m	-0.012m
0+120.00	99154.1529	94329.867	2,868.434m	2,868.430m	0.005m
0+130.00	99155.7034	94339.746	2,868.496m	2,868.502m	-0.006m
0+137.28	99156.8323	94346.9391	2,868.689m	2,868.689m	0.000m

DISEÑO CABLE SAN CRISTOBAL					
ESTACION ALTAMIRA - CARRERA 12B ESTE					
ABSCISA	ESTE	NORTE	COTAS		
			TERRENO	RASANTE	TRABAJO
0+000.00	99189.5849	94201.0885	2,879.721m	2,879.721m	0.000m
0+010.00	99191.2339	94210.9516	2,879.793m	2,879.793m	-0.000m
0+020.00	99192.883	94220.8147	2,879.986m	2,879.993m	-0.007m
0+030.00	99194.9587	94230.594	2,880.093m	2,880.112m	-0.019m
0+040.00	99196.7942	94240.4241	2,879.776m	2,879.765m	0.012m
0+050.00	99198.6297	94250.2542	2,879.019m	2,878.993m	0.026m
0+060.00	99200.4652	94260.0843	2,878.173m	2,878.178m	-0.005m
0+070.00	99202.3007	94269.9144	2,877.342m	2,877.362m	-0.021m
0+080.00	99204.1362	94279.7445	2,876.557m	2,876.605m	-0.049m
0+090.00	99205.9717	94289.5746	2,876.229m	2,876.252m	-0.023m
0+100.00	99207.8393	94299.3985	2,876.336m	2,876.303m	0.033m
0+110.00	99209.699	94309.2236	2,876.494m	2,876.490m	0.003m
0+120.00	99211.4552	94319.0682	2,876.796m	2,876.790m	0.006m
0+125.47	99212.4161	94324.4547	2,876.973m	2,876.973m	0.000m