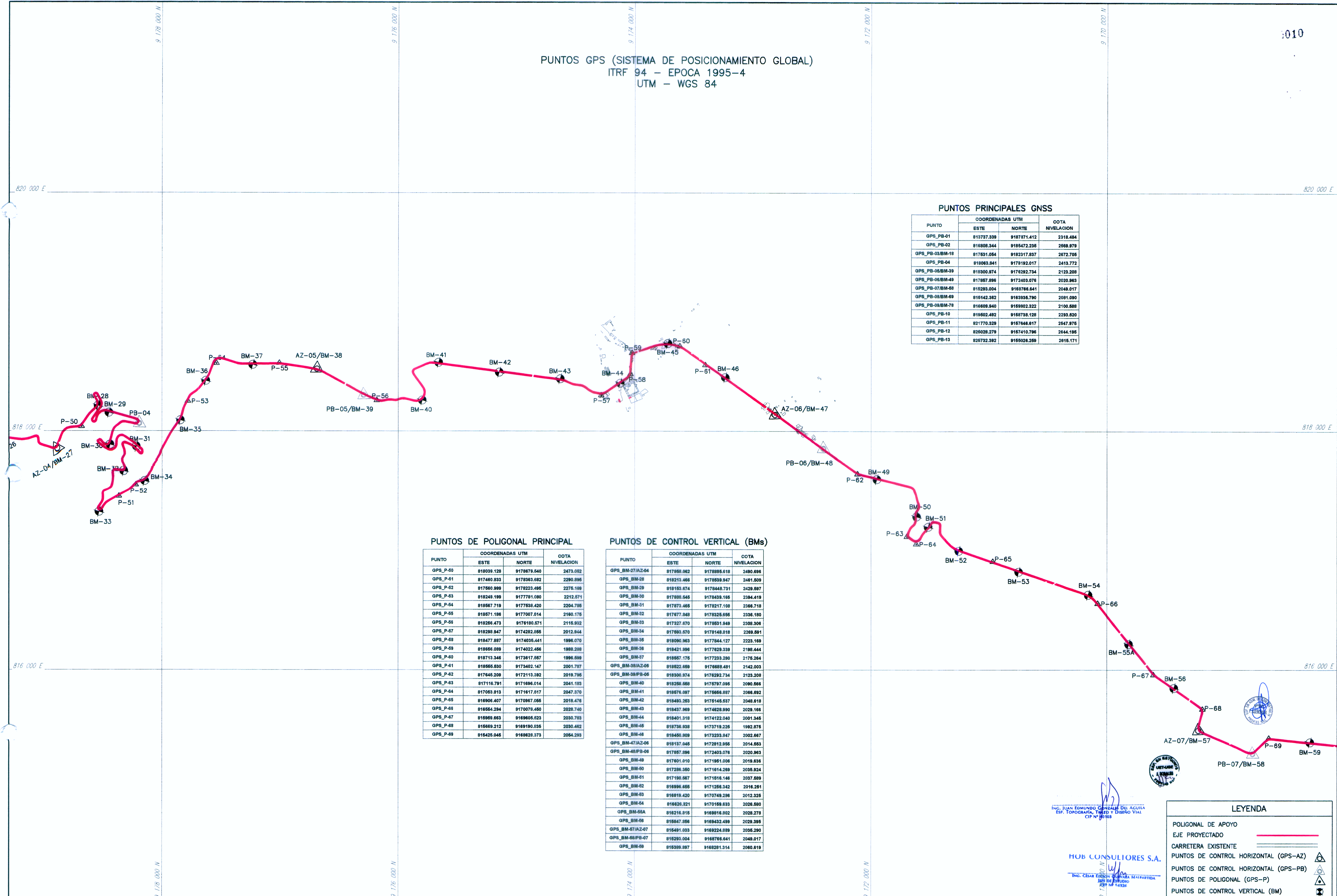


PUNTOS GPS (SISTEMA DE POSICIONAMIENTO GLOBAL)
ITRF 94 - EPOCA 1995-4
UTM - WGS 84



PUNTOS PRINCIPALES GNSS

PUNTO	COORDENADAS UTM		COTA NIVELACION
	ESTE	NORTE	
GPS_PB-01	813737.339	9187971.412	2318.484
GPS_PB-02	816808.344	9185472.236	2689.979
GPS_PB-03/BM-18	817631.064	9182317.837	2672.705
GPS_PB-04	818063.841	9178192.017	2413.772
GPS_PB-05/BM-39	818300.974	9178282.734	2123.208
GPS_PB-06/BM-49	817887.896	9172403.076	2020.963
GPS_PB-07/BM-58	816293.004	9168766.641	2049.017
GPS_PB-08/BM-49	815142.362	9163935.790	2081.090
GPS_PB-09/BM-78	816609.840	9169902.322	2106.688
GPS_PB-10	819502.482	9168738.128	2293.620
GPS_PB-11	821770.329	9167646.617	2647.976
GPS_PB-12	826028.279	9167410.796	2644.196
GPS_PB-13	826732.382	9165026.269	2616.171

PUNTOS DE POLIGONAL PRINCIPAL

PUNTO	COORDENADAS UTM		COTA NIVELACION
	ESTE	NORTE	
GPS_P-50	818039.128	9178679.640	2473.052
GPS_P-51	817460.933	9178363.682	2290.896
GPS_P-52	817660.999	9178223.495	2276.109
GPS_P-53	818249.199	9177781.080	2212.671
GPS_P-54	818567.719	9177638.420	2204.786
GPS_P-55	818671.186	9177007.514	2160.176
GPS_P-56	818286.473	9176190.671	2116.832
GPS_P-57	818299.947	9174282.866	2012.844
GPS_P-58	818477.897	9174035.441	1996.070
GPS_P-59	818666.089	9174022.486	1988.208
GPS_P-60	818713.346	9173617.567	1996.699
GPS_P-61	818666.530	9173402.147	2001.797
GPS_P-62	817645.209	9172113.392	2019.796
GPS_P-63	817116.791	9171696.014	2041.183
GPS_P-64	817063.813	9171617.517	2047.370
GPS_P-65	816906.407	9170967.066	2018.476
GPS_P-66	816564.294	9170078.490	2028.740
GPS_P-67	816669.663	9169606.623	2030.783
GPS_P-68	816669.212	9169190.636	2030.482
GPS_P-69	816426.046	9168826.373	2064.293

PUNTOS DE CONTROL VERTICAL (BMs)

PUNTO	COORDENADAS UTM		COTA NIVELACION
	ESTE	NORTE	
GPS_BM-27/AZ-04	817868.062	9178886.618	2480.696
GPS_BM-28	818213.466	9178939.947	2461.509
GPS_BM-29	818153.874	9178448.731	2429.697
GPS_BM-30	817886.546	9178439.166	2384.419
GPS_BM-31	817873.466	9178217.108	2368.718
GPS_BM-32	817677.948	9178325.666	2336.190
GPS_BM-33	817327.670	9178551.949	2308.306
GPS_BM-34	817693.670	9178146.818	2269.691
GPS_BM-35	818090.963	9177844.127	2223.169
GPS_BM-36	818421.996	9177629.339	2198.444
GPS_BM-37	818567.176	9177233.290	2176.264
GPS_BM-38/AZ-05	818622.669	9176668.491	2142.003
GPS_BM-39/PB-05	818300.974	9176292.734	2123.208
GPS_BM-40	818266.668	9176787.096	2090.666
GPS_BM-41	818676.087	9176666.697	2066.692
GPS_BM-42	818493.263	9176146.637	2048.618
GPS_BM-43	818437.969	9174626.990	2028.146
GPS_BM-44	818401.318	9174122.040	2001.346
GPS_BM-45	818736.939	9173719.226	1992.976
GPS_BM-46	818460.309	9173233.847	2002.667
GPS_BM-47/AZ-06	818137.046	9172812.966	2014.663
GPS_BM-48/PB-06	817887.896	9172403.076	2020.963
GPS_BM-49	817601.010	9171961.006	2019.636
GPS_BM-50	817286.380	9171614.269	2036.924
GPS_BM-51	817196.667	9171616.146	2037.669
GPS_BM-52	816996.666	9171266.342	2016.261
GPS_BM-53	816619.420	9170749.296	2012.326
GPS_BM-54	816226.321	9170169.633	2026.680
GPS_BM-55A	816216.916	9169916.902	2028.279
GPS_BM-56	816847.366	9168432.499	2029.396
GPS_BM-57/AZ-07	816491.033	9168224.899	2036.290
GPS_BM-58/PB-07	816293.004	9168766.641	2049.017
GPS_BM-59	816999.897	9168281.314	2060.619

LEYENDA

- POLIGONAL DE APOYO
- EJE PROYECTADO
- CARRETERA EXISTENTE
- PUNTOS DE CONTROL HORIZONTAL (GPS-AZ)
- PUNTOS DE CONTROL HORIZONTAL (GPS-PB)
- PUNTOS DE POLIGONAL (GPS-P)
- PUNTOS DE CONTROL VERTICAL (BM)

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REVISIONES

N°	FECHA	DESCRIPCION

ESTUDIO DEFINITIVO PARA EL MEJORAMIENTO DE LA CARRETERA: SAN MARCOS-CAJABAMBA-SAUSACOCCHA
TRAMO: SAN MARCOS-CAJABAMBA
CONTRATO N° 008-2011-MTC/20

PLANO DE GEOREFERENCIACION COORDENADAS UTM

FECHA: MAYO 2012

ESCALA FORMATO A1: 1/15 000 ESCALA FORMATO A3: 30 000

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