

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	9187871.412	2318.484
GPS_PB-02	816808.344	9185472.235	2580.979
GPS_PB-03/BM-16	817831.054	9182317.837	2872.705
GPS_PB-04	818063.841	9178192.017	2413.772
GPS_PB-05/BM-39	818300.974	9176292.734	2123.208
GPS_PB-06/BM-49	817957.896	9172403.076	2020.963
GPS_PB-07/BM-58	816293.004	9168766.641	2040.017
GPS_PB-08/BM-69	815142.362	9163935.790	2081.090
GPS_PB-09/BM-78	816809.940	9159802.322	2100.588
GPS_PB-10	818802.482	9158738.128	2283.520
GPS_PB-11	821778.329	9157646.817	2547.975
GPS_PB-12	828028.279	9157410.796	2644.185
GPS_PB-13	828732.392	9156926.269	2615.171

PUNTOS DE POLIGONAL PRINCIPAL

PUNTO	COORDENADAS UTM		COTA NIVELACION
	ESTE	NORTE	
GPS_P-69	815425.045	9161622.373	2054.293
GPS_P-70	815350.665	9167904.326	2070.076
GPS_P-71	816186.285	9167714.974	2066.741
GPS_P-72	814963.182	9167563.015	2066.882
GPS_P-73	814837.164	9167238.173	2065.140
GPS_P-74	814774.961	9167074.101	2047.613
GPS_P-75	814658.396	9166796.820	2040.689
GPS_P-76	814658.694	9166670.728	2041.802
GPS_P-77	814614.590	9166600.726	2043.635
GPS_P-78	814518.770	9166191.082	2048.128
GPS_P-79	814529.590	9166005.034	2052.628
GPS_P-80	814618.312	9166731.737	2057.481
GPS_P-81	814893.378	9166612.482	2055.096
GPS_P-82	814884.672	9166428.487	2060.289
GPS_P-83	814867.623	9166029.764	2070.026
GPS_P-84	814831.766	9164450.126	2069.308
GPS_P-85	816189.637	9163766.395	2082.445
GPS_P-86	816204.448	9163711.880	2082.289
GPS_P-87	816381.766	9163315.379	2082.616
GPS_P-88	816369.642	9163193.264	2084.638
GPS_P-89	816532.148	9162850.231	2082.284
GPS_P-90	816612.074	9162699.002	2089.088
GPS_P-91	816647.456	9162131.614	2078.630
GPS_P-92	816791.889	9161798.614	2081.408
GPS_P-93	816214.380	9160870.063	2106.789
GPS_P-94	816201.893	9160626.119	2104.603
GPS_P-95	816744.322	9159482.641	2102.880
GPS_P-96	816944.642	9159152.869	2120.696
GPS_P-97	817058.373	9158980.144	2123.747
GPS_P-98	817236.426	9158626.134	2140.842

PUNTOS DE CONTROL VERTICAL (BMs)

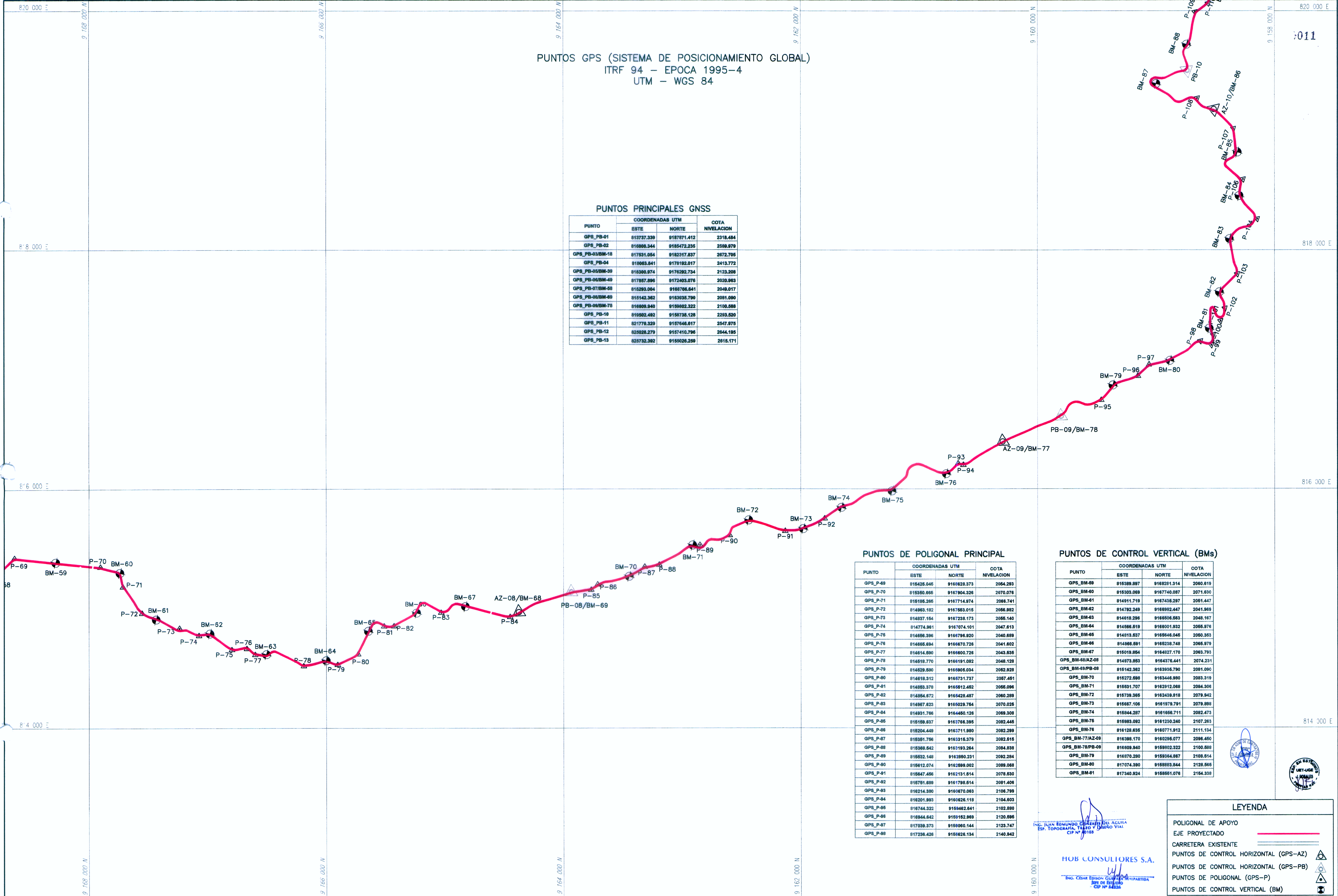
PUNTO	COORDENADAS UTM		COTA NIVELACION
	ESTE	NORTE	
GPS_BM-59	816389.897	9168281.314	2060.619
GPS_BM-60	816383.069	9167740.087	2071.630
GPS_BM-61	814911.719	9167436.287	2051.447
GPS_BM-62	814782.249	9166982.447	2041.869
GPS_BM-63	814618.296	9166506.663	2048.167
GPS_BM-64	814688.619	9166001.932	2055.676
GPS_BM-65	814813.637	9165546.045	2060.363
GPS_BM-66	814886.891	9165238.748	2065.879
GPS_BM-67	815019.864	9164827.170	2063.793
GPS_BM-68/AZ-68	814973.863	9164576.441	2074.231
GPS_BM-69/PB-69	815142.362	9163935.790	2081.090
GPS_BM-70	815272.698	9163446.980	2083.319
GPS_BM-71	816651.707	9162912.068	2084.306
GPS_BM-72	816739.365	9162439.818	2079.842
GPS_BM-73	816667.106	9161979.791	2079.888
GPS_BM-74	816844.287	9161656.711	2082.473
GPS_BM-75	816983.092	9161230.240	2107.263
GPS_BM-76	816128.635	9160771.812	2111.134
GPS_BM-77/AZ-09	816388.170	9160295.077	2086.460
GPS_BM-78/PB-09	816809.940	9159802.322	2100.588
GPS_BM-79	816870.290	9159564.987	2108.614
GPS_BM-80	817074.390	9158983.844	2128.565
GPS_BM-81	817340.924	9158661.076	2154.338

LEYENDA

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

HOB CONSULTORES S.A.
ING. CESAR EDISON GUEVARA M. PARTIDARIO
ING. JUAN EDUARDO GONZALEZ DEL AGUILA
Esp. TOPOGRAFIA, T. 1100 y DISEÑO VIAL
CIP N° 87103

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ESCALA FORMATO A3: 30 000
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Ministerio de Transportes y Comunicaciones
Perú
Provias Nacional

HOB CONSULTORES S.A.
CALLE AGUADA BLANCA N° 102 - LIMA 33 - PERÚ
TELÉFONO 715-8111 FAX: 715-6324
Email: hob@hobperu.com

Revisiónes

N°	FECHA	DESCRIPCIÓN

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

REVISIONES

PLANO DE GEOREFERENCIACION COORDENADAS UTM