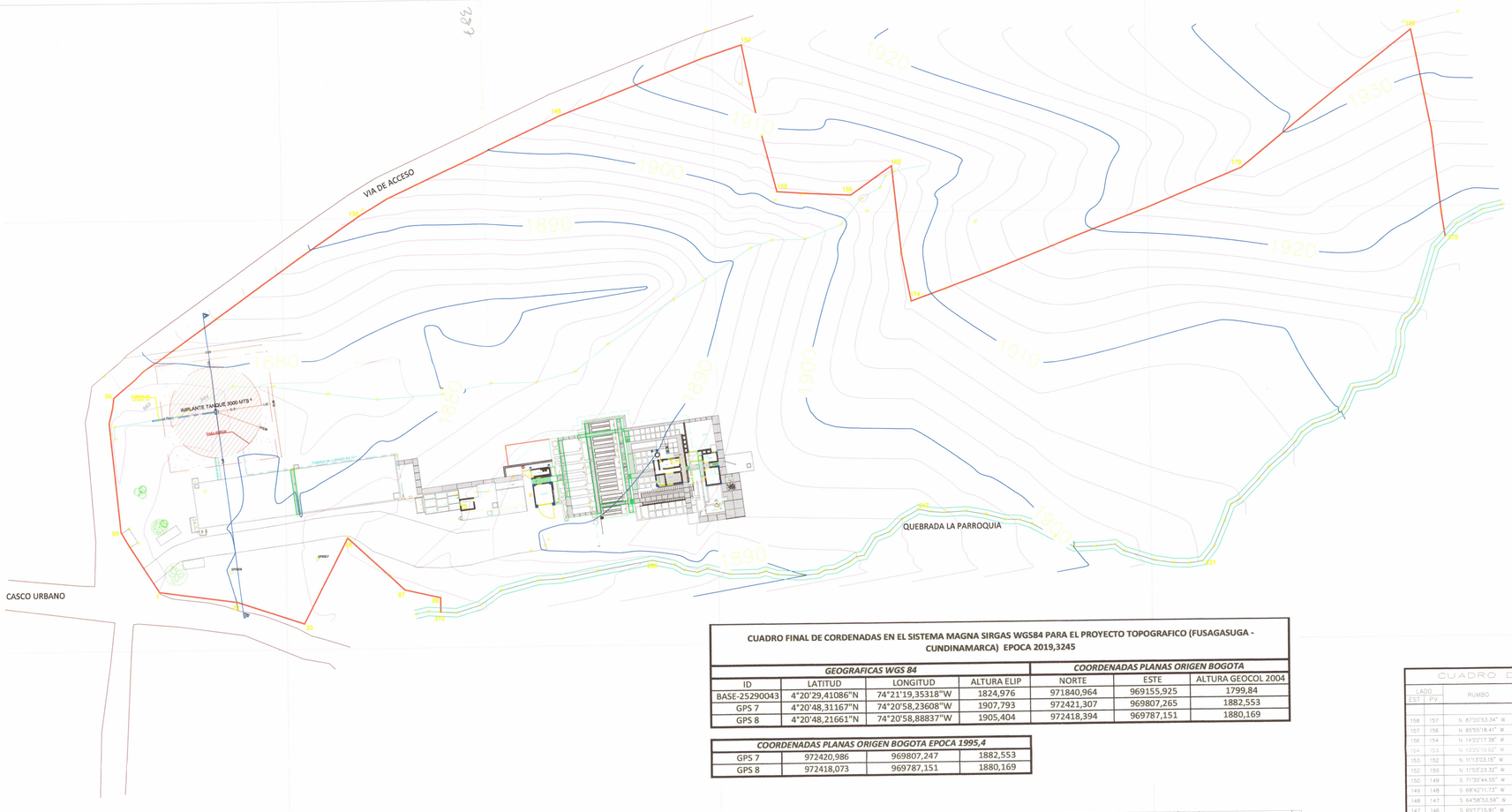


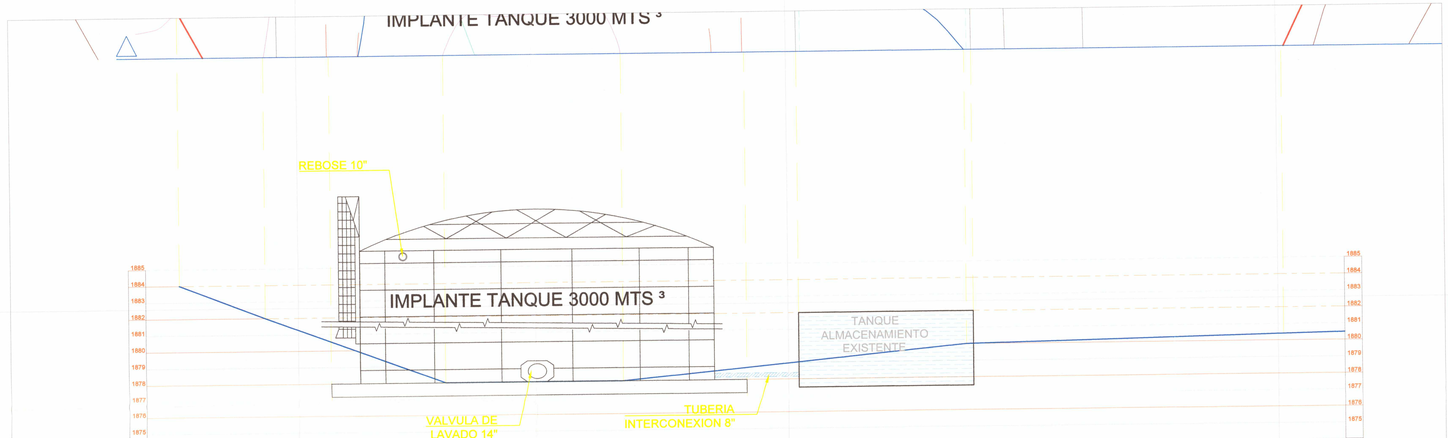
LOCALIZACIÓN GENERAL



CUADRO FINAL DE CORDENADAS EN EL SISTEMA MAGNA SIRGAS WGS84 PARA EL PROYECTO TOPOGRAFICO (FUSAGASUGA - CUNDINAMARCA) EPOCA 2019,3245

	GEOGRAFICAS WGS 84			*COORDENADAS PLANAS ORIGEN BOGOTA*		
ID	LATITUD	LONGITUD	ALTURA ELIP	NORTE	ESTE	ALTURA GEOCOL 2004
BASE-25290043	4°20'29,41086"N	74°21'19,35318"W	1824,976	971840,964	969155,925	1799,84
GPS 7	4°20'48,31167"N	74°20'58,23608"W	1907,793	972421,307	969807,265	1882,553
GPS 8	4°20'48,21661"N	74°20'58,88837"W	1905,404	972418,394	969787,151	1880,169

COORDENADAS PLANAS ORIGEN BOGOTA EPOCA 1995,4			
GPS 7	972420,986	969807,247	1882,553
GPS 8	972418,073	969787,151	1880,169



PERFIL A-A'

MECANISMO DEPARTAMENTAL DE EVALUACION Y HABILITACION DE PROYECTOS DE AGUA POTABLE Y SANEAMIENTO BASICO
FECHA APROBACION COMITE TECNICO
APROBADO 26 OCT 2021 APROBADO
NOMBRE EVALUADOR
FIRMA EVALUADOR
EC DIRECTOR MECANISMO
HABILITACION [X] O REFORMULACION

CUADRO DE CONSTRUCCION

LADO EST	LADO PV	RUMBO	DISTANCIA	V	COORDENADAS E	COORDENADAS N
				158	972,503.9800	969,931.5860
158	157	N 87°20'53.34" W	10.504	157	972,504.4660	969,921.0930
157	156	N 85°55'18.41" W	6.823	156	972,504.9370	969,914.4876
156	154	N 14°22'17.38" W	13.513	154	972,518.0270	969,911.1330
154	153	N 13°25'10.02" W	6.106	153	972,523.9660	969,909.7160
153	152	N 11°13'03.15" W	5.351	152	972,529.2150	969,908.6750
152	150	N 11°03'23.32" W	10.064	150	972,539.0920	969,906.7450
150	149	S 71°52'44.55" W	9.631	149	972,536.0380	969,897.6110
149	148	S 68°42'11.73" W	35.419	148	972,523.1740	969,864.6110
148	147	S 64°58'53.59" W	22.286	147	972,513.7490	969,844.4160
147	146	S 65°17'15.91" W	3.818	146	972,512.1530	969,840.9480
146	145	S 65°22'15.49" W	10.325	145	972,507.8500	969,831.5620
145	144	S 65°09'53.42" W	7.897	144	972,504.5330	969,824.3850
144	135	S 58°53'34.27" W	7.127	135	972,500.8510	969,818.2930
135	134	S 55°36'29.80" W	17.281	134	972,491.0900	969,804.0330
134	132	S 54°35'31.60" W	12.111	132	972,484.0730	969,794.1620
132	131	S 54°21'13.03" W	11.764	131	972,477.2170	969,784.6020
131	130	S 54°21'18.99" W	11.262	130	972,470.6540	969,775.4500
130	129	S 54°17'34.86" W	9.953	129	972,464.8450	969,767.3680
129	100	S 44°39'54.91" W	3.026	100	972,462.6930	969,765.2410
100	99	S 49°39'13.19" W	5.996	99	972,458.8110	969,760.6710
99	98	S 08°31'50.76" W	2.710	98	972,456.1310	969,760.2690
98	97	S 13°42'14.71" W	3.305	97	972,452.9200	969,759.4860
97	96	S 05°30'31.40" E	2.542	96	972,450.3900	969,759.7300
96	95	S 05°30'32.75" E	22.886	95	972,427.6100	969,761.9260
95	45	S 30°13'13.88" E	4.019	45	972,404.1370	969,763.9490
45	1	S 32°32'49.65" E	12.500	1	972,413.6000	969,770.6740
1	22	S 82°00'14.04" E	18.080	22	972,411.0850	969,788.5780
22	20	S 71°24'53.65" E	16.291	20	972,405.8930	969,804.0180
20	19	N 27°06'12.17" E	22.276	19	972,425.7230	969,814.1680
19	86	S 47°00'26.76" E	13.060	86	972,416.8170	969,823.7210
86	87	S 46°36'22.18" E	4.793	87	972,413.5240	969,827.2040
87	88	S 77°01'42.96" E	8.509	88	972,411.6140	969,835.4960
88	310	S 00°00'00" E	3.327	310	972,408.2870	969,835.4960
310	272	S 86°43'58.84" E	3.739	272	972,408.0739	969,839.2289
272	271	N 72°55'08.86" E	5.702	271	972,409.7486	969,844.6791
271	270	N 55°57'04.84" E	5.876	270	972,413.0387	969,849.5480
270	269	N 75°14'26.20" E	8.984	269	972,415.3275	969,858.2356
269	268	N 86°56'36.45" E	5.461	268	972,415.8187	969,863.6890
268	267	N 78°38'12.37" E	8.228	267	972,417.2400	969,871.7561
267	266	N 79°27'23.92" E	13.079	266	972,419.6332	969,884.6145
266	265	S 78°29'53.49" E	5.261	265	972,418.5842	969,889.7698
265	264	S 60°09'02.02" E	2.587	264	972,417.2967	969,892.0133
264	263	S 79°57'41.07" E	3.138	263	972,416.7498	969,895.1028
263	262	N 70°49'09.63" E	2.344	262	972,417.1316	969,897.3164
262	261	S 75°42'11.08" E	5.536	261	972,416.1526	969,902.6814
261	260	N 89°04'33.46" E	8.493	260	972,416.2573	969,909.1731
260	259	N 71°41'06.08" E	1.739	259	972,416.8037	969,910.8239
259	258	S 71°34'24.48" E	2.551	258	972,415.9973	969,913.2438
258	257	S 86°29'35.51" E	5.705	257	972,415.6483	969,918.9385
257	256	N 83°52'55.91" E	4.168	256	972,416.0925	969,923.0830
256	255	N 60°24'40.28" E	1.566	255	972,416.8656	969,924.4444
255	254	N 83°49'47.37" E	2.462	254	972,417.1301	969,926.8918
254	253	N 64°00'21.54" E	3.562	253	972,418.6912	969,930.0933
253	252	N 54°21'43.39" E	2.012	252	972,419.8638	969,931.7288
252	251	N 77°54'45.80" E	1.877	251	972,420.2568	969,933.5642
251	250	N 32°32'45.27" E	4.858	250	972,424.3520	969,936.1776
250	249	N 69°12'01.21" E	3.468	249	972,425.5836	969,939.4192
249	248	N 45°19'22.01" E	4.353	248	972,428.6444	969,942.5153
248	247	N 60°45'50.84" E	4.340	247	972,430.7639	969,946.3002
247	246	S 78°46'15.37" E	2.787	246	972,430.2165	969,949.0348
246	245	S 80°26'42.27" E	3.117	245	972,429.9689	969,952.1412
245	244	N 80°45'22.61" E	5.092	244	972,430.2571	969,957.2258
244	243	S 79°50'14.28" E	4.594	243	972,429.4465	969,961.7474
243	242	S 74°39'33.41" E	4.772	242	972,426.1840	969,966.3497
242	241	S 88°18'01.93" E	3.182	241	972,426.1161	969,969.5304
241	240	S 71°23'52.19" E	2.998	240	972,427.1621	969,972.3716
240	239	S 60°54'24.83" E	6.196	239	972,424.1496	969,977.7856
239	238	S 59°48'30.16" E	5.051	238	972,421.6095	969,982.1512
238	237	S 81°37'53.67" E	4.415	233	972,417.8778	969,984.9438
233	232	S 87°59'29.19" E	3.660	232	972,417.5496	970,008.6018
232	231	N 81°58'11.14" E	3.156	231	972,418.0086	970,011.7238
231	230	N 38°10'54.43" E	4.334	230	972,421.4151	970,014.4027
230	229	N 23°04'32.61" E	6.075	229	972,427.0044	970,016.7839
229	228	N 21°01'24.35" E	4.401	228	972,431.1123	970,018.3627
228	227	N 61°47'30.20" E	2.169	227	972,432.1373	970,020.2738
227	226	N 43°40'04.01" E	6.438	226	972,436.7940	970,024.7189
226	225	N 40°27'44.02" E	3.784	225	972,439.6727	970,027.1741
225	224	N 49°17'20.95" E	4.803	224	972,442.8054	970,030.8148
224	223	N 44°18'35.00" E	3.727	223	972,445.4724	970,033.4183
223	222	N 13°15'04.98" E	2.534	222	972,447.5913	970,034.8076
222	221	N 54°8'51.36" E	3.263	221	972,449.4946	970,037.4578
221	220	N 71°08'17.24" E	4.627	220	972,450.9904	970,041.8363
220	219	N 60°45'58.16" E	2.451	219	972,452.1875	970,043.9752
219	218	N 58°17'24.59" E	1.281	218	972,453.1929	970,044.7690
218	217	N 24°47'01.09" E	5.093	217	972,457.8171	970,046.9040
217	216	N 80°52'13.92" E	5.341	216	972,458.6645	970,052.1773
216	215	N 58°5'56.68" E	4.382	215	972,460.9692	970,055.9040
215	214	N 16°58'48.07" E	6.736	214	972,467.4117	970,057.8712
214	213	N 00°00'00" E	3.620	213	972,471.0312	970,057.8712
213	212	N 22°33'25.28" E	3.626	212	972,473.8254	970,059.0318
212	211	N 52°50'15.31" E	1.828	211	972,474.9293	970,060.4889
211	210	N 34°18'12.50" E	2.953	210	972,477.3690	970,062.1540
210	191	N 16°55'45.41" E	13.479	191	972,490.2640	970,066.0790
191	375	N 42°22'45.17" E	3.510	375	972,492.8568	970,068.4448
375	193	N 08°20'06.17" W	5.813	193	972,498.6068	970,067.6600
193	187	N 08°09'03.92" W	19.440	187	972,517.3360	970,065.5190
187	186	N 11°07'39.14" W	7.824	186	972,525.6130	970,064.0090
186	185	N 10°49'00.14" W	9.842	185	972,535.2800	970,062.1620
185	182	N 11°27'09.47" W	5.827	182	972,540.9910	970,061.0050
182	181	S 51°53'07.31" W	11.333	181	972,534.5540	970,052.2100
181	180	S 51°34'17.06" W	19.389	180	972,521.9530	970,037.0210
180	179	S 50°37'55.16" W	20.002	179	972,509.2660	970,021.5580
179	178	S 67°21'46.10" W	23.908	178	972,500.0640	969,999.4920
178	177	S 68°51'36.07" W	18.145	177	972,493.5300	969,982.5680
177	176	S 68°12'58.80" W	20.388	176	972,485.9540	969,963.6360
176	175	S 69°34'45.32" W	11.152	175	972,482.0630	969,953.1850
175	174	S 70°20'36.42" W	8.484	174	972,479.2090	969,945.1950
174	173	N 10°51'42.12" W	11.081	173	972,490.0910	969,943.1070
173	171	N 05°39'31.43" W	8.904	171	972,498.9520	969,942.2290
171	165	N 05°46'21.31" W	11.772	165	972,510.6640	969,941.0450
165	158	S 54°45'13.97" W	11.582	158	972,503.9800	969,931.5860

SUPERFICIE = 25,009.725 m2

PROYECTO PARA LA IMPLEMENTACIÓN DE LA OPTIMIZACIÓN OPERACIONAL Y CONTROL DE PERDIDAS EN EL SISTEMA URBANO DE AGUA POTABLE – MUNICIPIO FUSAGASUGA

CONTIENE:
PLANO TOPOGRAFICO DE LA PTAP PEKIN
MUNICIPIO DE FUSAGASUGA

ESCALA:	FECHA:
INDICADAS	AGOSTO DE 2020
ARCHIVO:	
PLANO TOPOGRAFICO PEKIN.DWG	

PLANO:
TOPOGRAFICO
1/1

EMPRESAS PUBLICAS DE CUNDINAMARCA

PLANOS DE REFERENCIA	SUPERVISOR
APORTADOS_POR_AQUASTORE	LUDWIG_OMAR_JIMENEZ
MORHE_INGENIERIA	EPC
FIRMA	FIRMA