

ALCALDIA MUNICIPAL
MUNICIPIO DE YACUANQUER

ALCALDESA:

FRANCISCO DANIEL SANTACRUZ

PROYECTO:

CONSTRUCCION
SISTEMA DE ACUEDUCTO
ARGUELLO ALTO Y BAJO
MUNICIPIO DE YACUANQUER
DEPARTAMENTO DE NARIÑO

CONTIENE:

PLANTAS DISEÑO
REDUCIDO

CONSULTOR:

ING. DIEGO CANCHALA CASTRO
M.P. 52202-220981 NRR

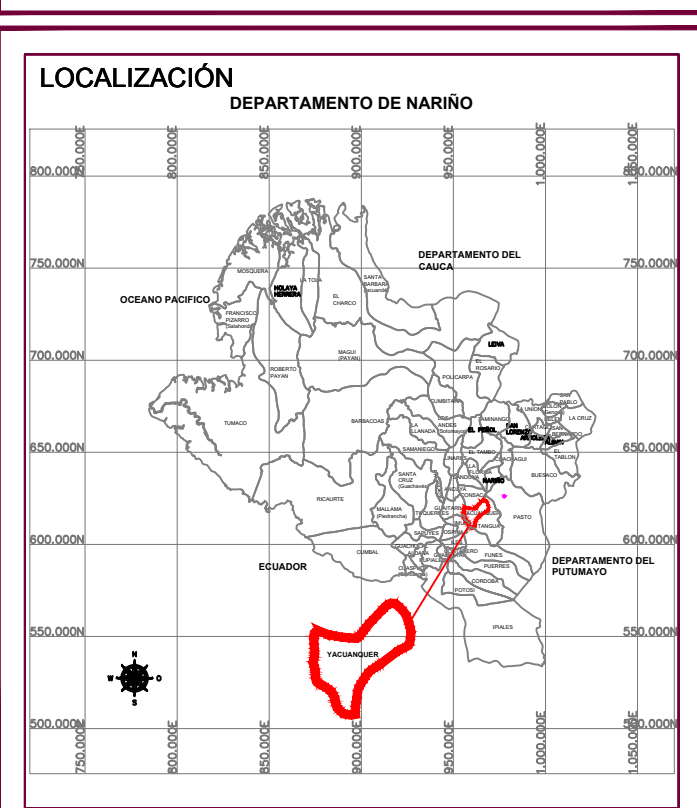
DISEÑO:

ING. DIEGO CANCHALA CASTRO
M.P. 52202-220981 NRR

REVISÓ:

ING. ROMMEL CUASTUMAL
M.P. 52202-313940 NRR

Revisión No.	DESCRIPCIÓN	FECHA	REVISO



Vo. Bo.:

JHONATAN JOSE INSUASTY
SECRETARIO DE PLANEACION Y OBRAS PUBLICAS

JULIO / 2020

-

ARCHIVO:

08890 EN PLANTA DWG

ESCALA:

1: 6000

CONVENCIONES

CODO 90°

CODO 45°

CODO 22.5°

RED PPAL ACUEDUCTO 1-1/2" RDE 21

RED PPAL ACUEDUCTO 2" RDE 26

RED PPAL ACUEDUCTO 3" RDE 32.5

TUBERIA DE ACOMETIDAS

QUEBRADAS

VIVIENDAS

VIADUCTOS

PLACA GEOREFERENCIADA

CURVAS MAESTRAS

CURVAS MENORES

NODO-ABSCISA

COTA TERRENO (msnm)

PRESION DE ENTRADA(mca.)

PRESIONES DE SALIDA(mca.)

46 K0+197.93

3390.58

4.92

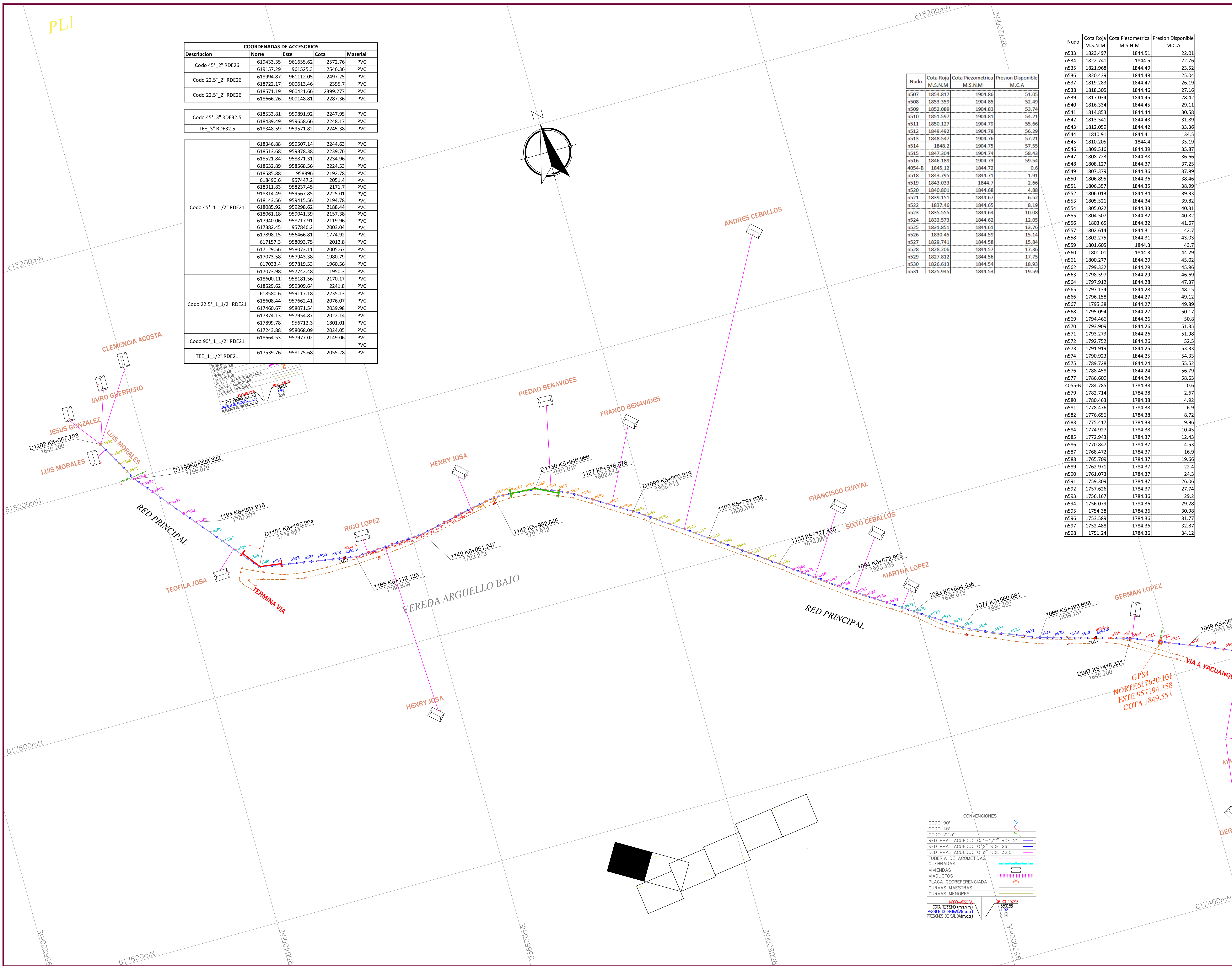
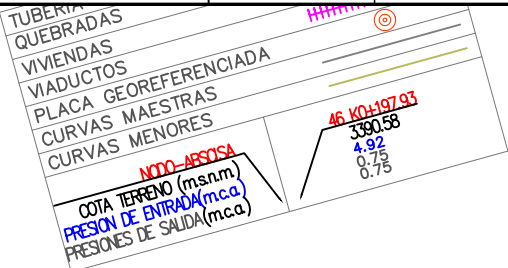
0.75

PL1

COORDENADAS DE ACCESORIOS				
Descripcion	Norte	Este	Cota	Material
Codo 45°_2" RDE26	619433.35	961655.62	2572.76	PVC
	619157.29	961525.3	2546.36	PVC
	618994.87	961112.05	2497.25	PVC
Codo 22.5°_2" RDE26	618722.17	900613.46	2395.7	PVC
	618571.19	960421.66	2399.277	PVC
Codo 22.5°_2" RDE26	618666.26	900148.81	2287.36	PVC

Codo 45°_3" RDE32.5	618533.81	959891.92	2247.95	PVC
618439.49	959658.66	2248.17	PVC	
TEE 3" RDE32.5	618348.59	959571.82	2245.38	PVC

Codo 45°_1_1/2" RDE21	618346.88	959507.14	2244.63	PVC
	618513.68	959378.38	2239.76	PVC
	618521.84	958871.31	2234.96	PVC
	618632.89	958568.56	2224.53	PVC
	618585.88	958396	2192.78	PVC
	618490.6	957447.2	2051.4	PVC
	618311.83	958237.45	2171.7	PVC
	918314.49	959567.85	2225.01	PVC
	618143.56	959415.56	2194.78	PVC
	618085.92	959298.62	2188.44	PVC
	618061.18	959041.39	2157.38	PVC
	617940.06	958717.91	2119.96	PVC
	617382.45	957846.2	2003.04	PVC
	617898.15	956466.81	1774.92	PVC
	617157.3	958093.75	2012.8	PVC
	617129.56	958073.11	2005.67	PVC
	617073.58	957943.38	1980.79	PVC
	617033.4	957819.53	1960.56	PVC
Codo 22.5°_1_1/2" RDE21	617073.98	957742.48	1950.3	PVC
	618600.11	958181.56	2170.17	PVC
	618529.62	959309.64	2241.8	PVC
	618580.6	959117.18	2235.13	PVC
	618608.44	957662.41	2076.07	PVC
	617460.67	958071.54	2039.98	PVC
Codo 90°_1_1/2" RDE21	617374.13	957954.87	2022.14	PVC
	617899.78	956712.3	1801.01	PVC
	617243.88	958068.09	2024.05	PVC
TEE_1_1/2" RDE21	618664.53	957977.02	2149.06	PVC
	617539.76	958175.68	2055.28	PVC



Nudo	Cota Roja M.S.N.M	Cota Piezometrica M.S.N.M	Presion Disponible M.C.A
n507	1854.817	1904.86	51.05
n508	1853.359	1904.85	52.49
n509	1852.089	1904.83	53.74
n510	1851.597	1904.81	54.21
n511	1850.127	1904.79	55.66
n512	1849.492	1904.78	56.29
n513	1848.547	1904.76	57.21
n514	1848.2	1904.75	57.55
n515	1847.304	1904.74	58.43
n516	1846.189	1904.73	59.54
4054-B	1845.12	1844.72	0.6
n518	1843.795	1844.71	1.91
n519	1843.033	1844.7	2.66
n520	1840.801	1844.68	4.88
n521	1839.151	1844.67	6.52
n522	1837.46	1844.65	8.19
n523	1835.555	1844.64	10.08
n524	1833.573	1844.62	12.05
n525	1831.851	1844.61	13.76
n526	1830.45	1844.59	15.14
n527	1829.741	1844.58	15.84
n528	1828.206	1844.57	17.36
n529	1827.812	1844.56	17.75
n530	1826.613	1844.54	18.93
n531	1825.945	1844.53	19.59

Nudo	Cota Roja M.S.N.M	Cota Piezometrica M.S.N.M	Presion Disponible M.C.A
n533	1823.497	1844.51	22.01
n534	1822.741	1844.5	22.76
n535	1821.968	1844.49	23.52
n536	1820.439	1844.48	25.04
n537	1819.283	1844.47	26.19
n538	1818.305	1844.46	27.16
n539	1817.034	1844.45	28.42
n540	1816.334	1844.45	29.11
n541	1814.853	1844.44	30.58
n542	1813.541	1844.43	31.89
n543	1812.059	1844.42	33.36
n544	1810.91	1844.41	34.5
n545	1810.205	1844.4	35.19
n546	1809.516	1844.39	35.87
n547	1808.723	1844.38	36.66
n548	1808.127	1844.37	37.25
n549	1807.379	1844.36	37.99
n550	1806.895	1844.36	38.46
n551	1806.357	1844.35	38.99
n552	1806.013	1844.34	39.33
n553	1805.521	1844.34	39.82
n554	1805.022	1844.33	40.31
n555	1804.507	1844.32	40.82
n556	1803.65	1844.32	41.67
n557	1802.614	1844.31	42.7
n558	1802.275	1844.31	43.03
n559	1801.605	1844.3	43.7
n560	1801.01	1844.3	44.29
n561	1800.277	1844.29	45.02
n562	1799.332	1844.29	45.96
n563	1798.597	1844.29	46.69
n564	1797.912	1844.28	47.37
n565	1797.134	1844.28	48.15
n566	1796.158	1844.27	49.12
n567	1795.38	1844.27	49.89
n568	1795.094	1844.27	50.17
n569	1794.466	1844.26	50.8
n570	1793.909	1844.26	51.35
n571	1793.273	1844.26	51.98
n572	1792.752	1844.26	52.5
n573	1791.919	1844.25	53.33
n574	1790.923	1844.25	54.33
n575	1789.728	1844.24	55.52
n576	1788.458	1844.24	56.79
n577	1786.609	1844.24	58.63
4055-B	1784.785	1784.38	0.6
n579	1782.714	1784.38	2.67
n580	1780.463	1784.38	4.92
n581	1778.476	1784.38	6.9
n582	1776.656	1784.38	8.72
n583	1775.417	1784.38	9.96
n584	1774.927	1784.38	10.45
n585	1772.943	1784.37	12.43
n586	1770.847	1784.37	14.53
n587	1768.472	1784.37	16.9
n588	1765.709	1784.37	19.66
n589	1762.971	1784.37	22.4
n590	1761.073	1784.37	24.3
n591	1759.309	1784.37	26.06
n592	1757.626	1784.37	27.74
n593	1756.167	1784.36	29.2
n594	1756.079	1784.36	29.28
n595	1754.38	1784.36	30.98
n596	1753.589	1784.36	31.77
n597	1752.488	1784.36	32.87
n598	1751.24	1784.36	34.12

CONVENCIONES	
CODO 90°	
CODO 45°	
CODO 22.5°	
RED PPAL ACUEDUCTO 1-1/2" RDE 21	
RED PPAL ACUEDUCTO 2" RDE 26	
RED PPAL ACUEDUCTO 3" RDE 32.5	
TUBERIA DE ACOMETIDAS	
QUEBRADAS	
VIVIENDAS	
VIADUCTOS	
PLACA GEOREFERENCIADA	
CURVAS MAESTRAS	
CURVAS MENORES	
NOTA: SECCION 45°-90°-135°-180°	
COTA TERRENO (mca)	4.92
PRESION DE ENTRADA (mca)	4.92
PRESIONES DE SALIDA (mca)	2.78



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ALCALDE:

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ARGUELLO ALTO Y BAJO
MUNICIPIO DE YACUANQUER
DEPARTAMENTO DE NARIÑO

CONTIENE:

PLANTAS DISEÑO
PL1

CONSULTOR:

ING. DIEGO CANCHALA CASTRO
M.P. 52202-220981 NRR

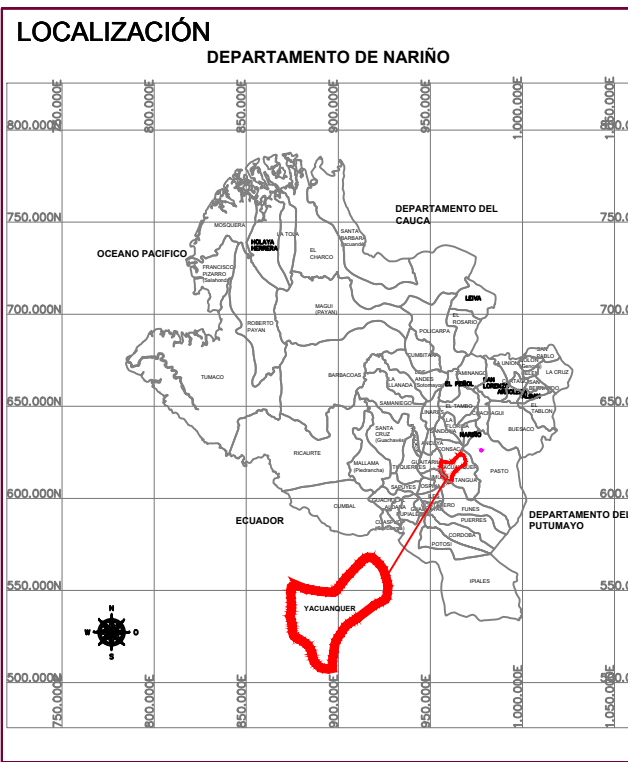
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Revisión No.	DESCRIPCION	FECHA	REVISO



Vo. Bo.:
JHONATAN JOSE INSUASTY
SECRETARIO DE PLANEACION Y OBRAS PUBLICAS

JULIO / 2020	-
ARCHIVO: 0880 EN PLANTA DWG	ESCALA: 1: 1250

Codo 45°_3" RDE32.5	618533.81	959891.92	2247.95	PVC
	618439.49	959658.66	2248.17	PVC
TEE_3" RDE32.5	618348.59	959571.82	2245.38	PVC

ALCALDIA MUNICIPAL
MUNICIPIO DE YACUANQUER

FRANCISCO DANIEL SANTACRUZ

CONSTRUCCION
SISTEMA DE ACUEDUCTO
ARGUELLO ALTO Y BAJO
MUNICIPIO DE YACUANQUER
DEPARTAMENTO DE NARIÑO

PLANTAS DISEÑO
PL2

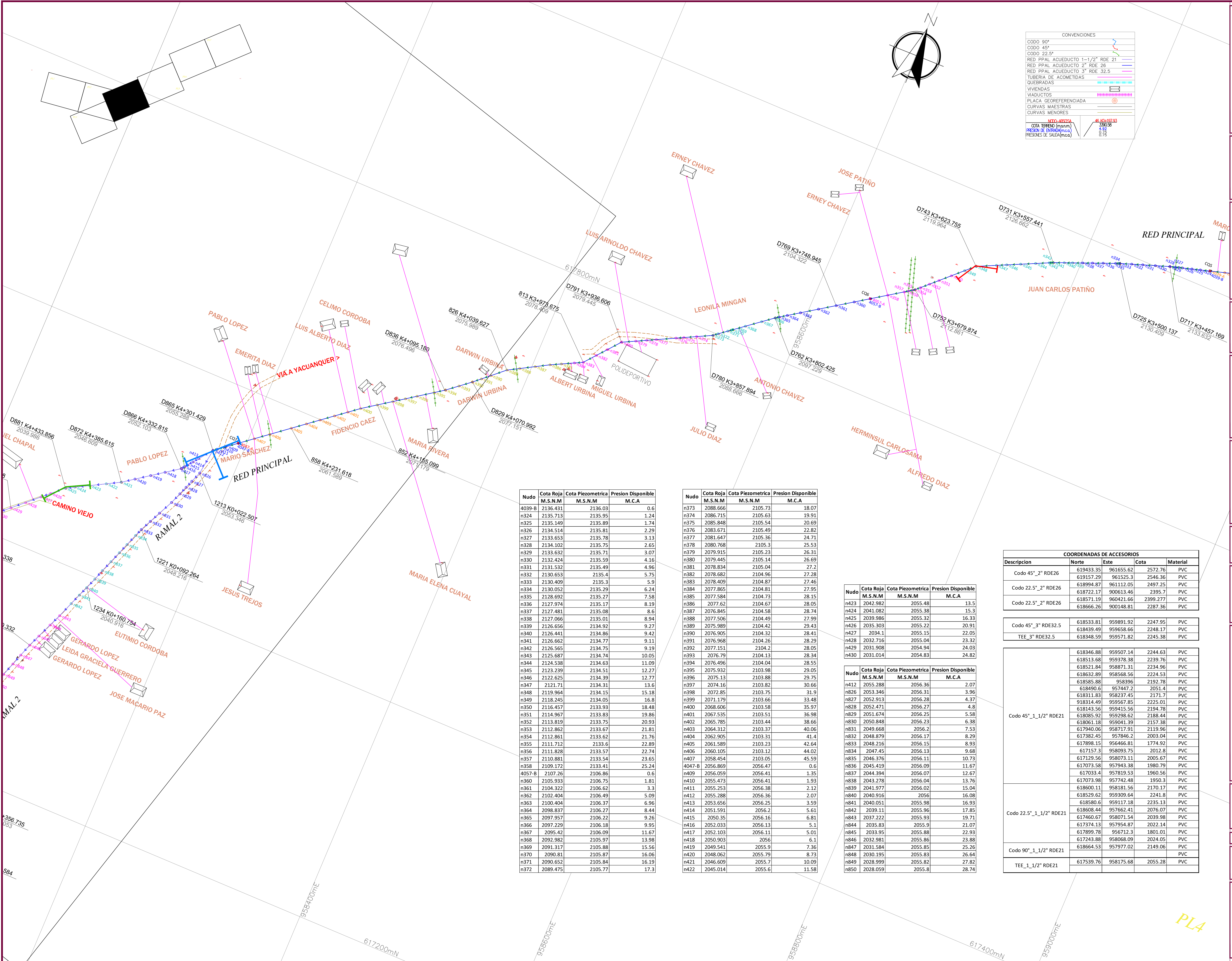
DIEGO CANCHALA CASTRO
M.P. 52202-220981 NRÑ

DIEGO CANCHALA CASTRO
M.P. 52202-220981 NRÑ

G. ROMMEL CUASTUMAL
M.P. 52202-313940 NRÑ

JHONATAN JOSE INSUASTY
RETARDO DE PLANEACIÓN Y OBRAS PÚBLICAS

ESCALA :
1: 1250



CONVENCIONES	
CODO 90°	
CODO 45°	
CODO 22.5°	
RED PPAL ACUEDUCTO 1-1/2" RDE 21	
RED PPAL ACUEDUCTO 2" RDE 26	
RED PPAL ACUEDUCTO 3" RDE 32.5	
TUBERIA DE ACOMETIDAS	
QUEBRADAS	
VIVIENDAS	
VIADUCTOS	
PLACA GEOREFERENCIADA	
CURVAS MAESTRAS	
CURVAS MENORES	
NOTA: RESERVA	
COTA TERRENO (msnm)	46.101197.93
PRESION DE ENTRADA (mca)	3.00
PRESIONES DE SALIDA (mca)	1.42
	0.75

ALCALDIA MUNICIPAL
MUNICIPIO DE YACUANQUER

ALCALDE:

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CONSTRUCCION
SISTEMA DE ACUEDUCTO
ARGUELLO ALTO Y BAJO
MUNICIPIO DE YACUANQUER
DEPARTAMENTO DE NARIÑO

CONTIENE:

PLANTAS DISEÑO
PL4

CONSULTOR:

ING. DIEGO CANCHALA CASTRO
M.P. 52202-220981 NRR

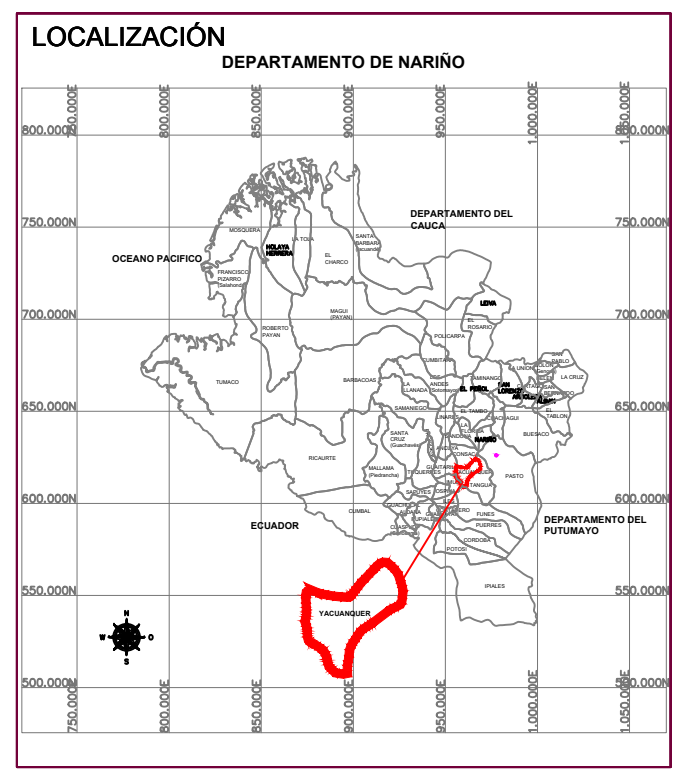
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M.P. 52202-313940 NRR

Revisión No.	DESCRIPCIÓN	FECHA	REVISO



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JHONATAN JOSE INSUASTY
SECRETARIO DE PLANEACION Y OBRAS PUBLICAS

JULIO / 2020

ARCHIVO:
0890_PLANTA.DWG

ESCALA:
1: 1250

Nudo	Cota Roja	Cota Piezometrica	Presion Disponible
	M.S.N.M	M.S.N.M	M.C.A
4039-B	2136.431	2136.03	0.6
n324	2135.713	2135.95	1.24
n325	2135.149	2135.89	1.74
n326	2134.514	2135.81	2.29
n327	2133.653	2135.78	3.13
n328	2134.102	2135.75	2.65
n329	2133.632	2135.71	3.07
n330	2132.424	2135.59	4.16
n331	2131.532	2135.49	4.96
n332	2130.653	2135.4	5.75
n333	2130.409	2135.3	5.9
n334	2130.052	2135.29	6.24
n335	2128.692	2135.27	7.58
n336	2127.974	2135.17	8.19
n337	2127.481	2135.08	8.6
n338	2127.066	2135.01	8.94
n339	2126.656	2134.92	9.27
n340	2126.441	2134.86	9.42
n341	2126.662	2134.77	9.11
n342	2126.565	2134.75	9.19
n343	2125.687	2134.74	10.05
n344	2124.538	2134.63	11.09
n345	2123.239	2134.51	12.27
n346	2122.625	2134.39	12.77
n347	2121.71	2134.31	13.6
n348	2119.964	2134.15	15.18
n349	2118.245	2134.05	16.8
n350	2116.457	2133.93	18.48
n351	2114.967	2133.83	19.86
n352	2113.819	2133.75	20.93
n353	2112.862	2133.67	21.81
n354	2112.861	2133.62	21.76
n355	2111.712	2133.6	22.89
n356	2111.828	2133.57	22.74
n357	2110.881	2133.54	23.65
n358	2109.172	2133.41	25.24
4057-B	2107.26	2106.86	0.6
n360	2105.933	2106.75	1.81
n361	2104.322	2106.62	3.3
n362	2102.404	2106.49	5.09
n363	2100.404	2106.37	6.96
n364	2098.837	2106.27	8.44
n365	2097.957	2106.22	9.26
n366	2097.229	2106.18	9.95
n367	2095.42	2106.09	11.67
n368	2092.982	2105.97	13.98
n369	2091.317	2105.88	15.56
n370	2090.81	2105.87	16.06
n371	2090.652	2105.84	16.19
n372	2089.475	2105.77	17.3

Nudo	Cota Roja	Cota Piezometrica	Presion Disponible
	M.S.N.M	M.S.N.M	M.C.A
n373	2088.666	2105.73	18.07
n374	2086.715	2105.63	19.91
n375	2085.848	2105.54	20.69
n376	2083.671	2105.49	22.82
n377	2081.647	2105.36	24.71
n378	2080.768	2105.3	25.53
n379	2079.915	2105.23	26.31
n380	2079.445	2105.14	26.69
n381	2078.834	2105.04	27.2
n382	2078.682	2104.96	27.28
n383	2078.409	2104.87	27.46
n384	2077.865	2104.81	27.95
n385	2077.584	2104.73	28.15
n386	2077.62	2104.67	28.05
n387	2076.845	2104.58	28.74
n388	2077.506	2104.49	27.99
n389	2075.989	2104.42	29.43
n390	2076.905	2104.32	28.41
n391	2076.968	2104.26	28.29
n392	2077.151	2104.2	28.05
n393	2076.79	2104.13	28.34
n394	2076.496	2104.04	28.55
n395	2075.932	2103.98	29.05
n396	2075.13	2103.88	29.75
n397	2074.16	2103.82	30.66
n398	2072.85	2103.75	31.9
n399	2071.179	2103.66	33.48
n400	2068.606	2103.58	35.97
n401	2067.535	2103.51	36.98
n402	2065.785	2103.44	38.66
n403	2064.312	2103.37	40.06
n404	2062.905	2103.31	41.4
n405	2061.589	2103.23	42.64
n406	2060.105	2103.12	44.02
n407	2058.454	2103.05	45.59
4047-B	2056.869	2056.47	0.6
n409	2056.059	2056.41	1.35
n410	2055.473	2056.41	1.93
n411	2055.253	2056.38	2.12
n412	2055.288	2056.36	2.07
n413	2053.656	2056.25	3.59
n414	2051.591	2056.2	5.61
n415	2050.35	2056.16	6.81
n416	2052.033	2056.13	5.1
n417	2052.103	2056.11	5.01
n418	2050.903	2056	6.1
n419	2049.541	2055.9	7.36
n420	2048.062	2055.79	8.73
n421	2046.609	2055.7	10.09
n422	2045.014	2055.6	11.58

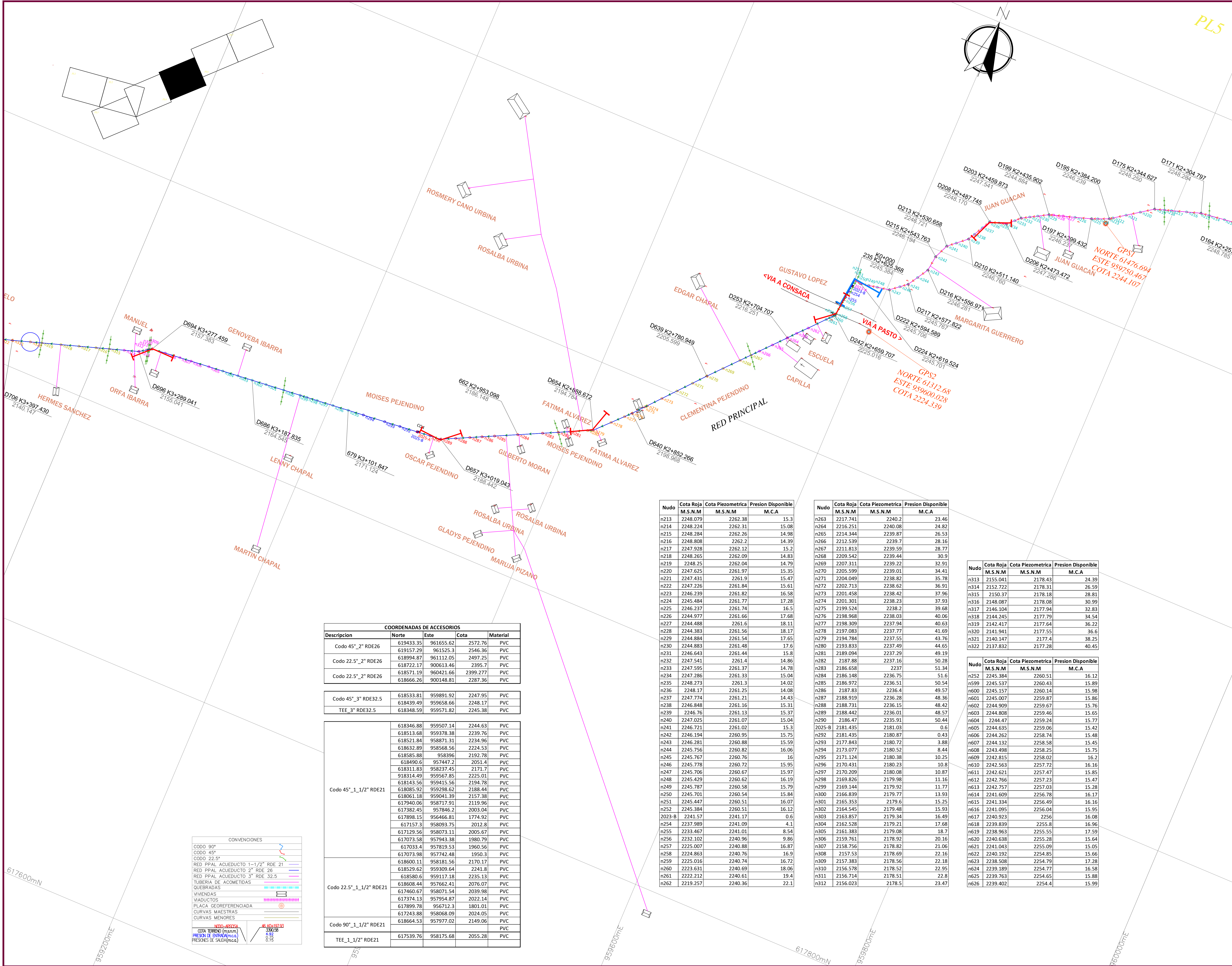
Nudo	Cota Roja	Cota Piezometrica	Presion Disponible
	M.S.N.M	M.S.N.M	M.C.A
n423	2042.982	2055.48	13.5
n424	2041.082	2055.38	15.3
n425	2039.986	2055.22	16.33
n426	2035.303	2055.22	20.91
n427	2034.1	2055.15	22.05
n428	2032.716	2055.04	23.32
n429	2031.908	2054.94	24.03
n430	2031.014	2054.83	24.82

Nudo	Cota Roja	Cota Piezometrica	Presion Disponible
	M.S.N.M	M.S.N.M	M.C.A
n431	2025.288	2056.36	2.07
n432	2025.346	2056.31	3.96
n433	2052.913	2056.28	4.37
n434	2052.471	2056.27	4.8
n435	2051.674	2056.25	5.58
n436	2050.848	2056.23	6.38
n437	2049.668	2056.2	7.53
n438	2048.879	2056.17	8.29
n439	2048.216	2056.15	8.93
n440	2047.45	2056.13	9.68
n441	2046.376	2056.11	10.73
n442	2045.419	2056.09	11.67
n443	2044.394	2056.07	12.67
n444	2043.278	2056.04	13.76
n445	2041.977	2056.02	15.04
n446	2040.916	2056	16.08
n447	2040.051	2055.98	16.93
n448	2039.11	2055.96	17.85
n449	2037.222	2055.93	19.71
n450	2035.83	2055.9	21.07
n451	2033.95	2055.88	22.93
n452	2032.981	2055.86	23.88
n453	2031.584	2055.85	25.26
n454	2030.195	2055.83	26.64
n455	2028.999	2055.82	27.82
n456	2028.059	2055.8	28.74

COORDENADAS DE ACCESORIOS				
Descripcion	Norte	Este	Cota	Material
Codo 45°_2" RDE26	619433.35	961655.62	2572.76	PVC
Codo 22.5°_2" RDE26	619157.29	961525.3	2546.36	PVC
Codo 22.5°_2" RDE26	618994.87	961112.05	2497.25	PVC
Codo 22.5°_2" RDE26	618722.17	960613.46	2395.7	PVC
Codo 22.5°_2" RDE26	618571.19	960421.66	2399.277	PVC
Codo 22.5°_2" RDE26	618666.26	960148.81	2287.36	PVC

Codo 45°_3" RDE32.5	618533.81	959891.92	2247.95	PVC
TEE_3" RDE32.5	618439.49	959658.66	2248.17	PVC
TEE_3" RDE32.5	618348.59	959571.82	2245.38	PVC

Codo 45°_1_1/2" RDE21	618346.88	959507.14	2244.63	PVC
Codo 45°_1_1/2" RDE21	618513.68	959378.38	2239.76	PVC
Codo 45°_1_1/2" RDE21	618521.84	958871.31	2234.96	PVC
Codo 45°_1_1/2" RDE21	618632.89	958568.56	2224.53	PVC
Codo 45°_1_1/2" RDE21	618585.88	958396	2192.78	PVC
Codo 45°_1_1/2" RDE21	618490.6	957447.2	2051.4	PVC
Codo 45°_1_1/2" RDE21	618311.83	958237.45	2171.7	PVC
Codo 45°_1_1/2" RDE21	918314.49	959567.85	2225.01	PVC
Codo 45°_1_1/2" RDE21	618143.56	959415.56	2194.78	PVC
Codo 45°_1_1/2" RDE21	618085.92	959298.62	2188.44	PVC
Codo 45°_1_1/2" RDE21	618061.18	959041.39	2157.38	PVC
Codo 45°_1_1/2" RDE21	617940.06	958717.91	2119.96	PVC
Codo 45°_1_1/2" RDE21	617382.45	957846.2	2003.04	PVC
Codo 45°_1_1/2" RDE21	617898.15	956466.81	1774.92	PVC
Codo 45°_1_1/2" RDE21	617157.3	958093.75	2012.8	PVC
Codo 45°_1_1/2" RDE21	617129.56	958073.11	2005.67	PVC
Codo 45°_1_1/2" RDE21	617073.58	957943.38	1980.79	PVC
Codo 45°_1_1/2" RDE21	617033.4	957819.53	1960.56	PVC
Codo 45°_1_1/2" RDE21	617073.98	957742.48	1950.3	PVC
Codo 45°_1_1/2" RDE21	618600.11	958181.56	2170.17	PVC
Codo 45°_1_1/2" RDE21	618529.62	959309.64	2241.8	PVC
Codo 45°_1_1/2" RDE21	618580.6	959117.18	2235.13	PVC
Codo 45°_1_1/2" RDE21	618608.44	957662.41	2076.07	PVC
Codo 45°_1_1/2" RDE21	617460.67	958071.54	2039.98	PVC
Codo 45°_1_1/2" RDE21	617374.13	957954.87	2022.14	PVC
Codo 45°_1_1/2" RDE21	617899.78	956712.3	1801.01	PVC
Codo 45°_1_1/2" RDE21	617243.88	958068.09	2024.05	PVC
Codo 45°_1_1/2" RDE21	618664.53	957977.02	2149.06	PVC
TEE_1_1/2" RDE21	617539.76	958175.68	2055.28	PVC



COORDENADAS DE ACCESORIOS				
Descripcion	Norte	Este	Cota	Material
Codo 45°_2" RDE26	619433.35	961655.62	2572.76	PVC
	619157.29	961525.3	2546.36	PVC
	618994.87	961112.05	2497.25	PVC
Codo 22.5°_2" RDE26	618722.17	900613.46	2395.7	PVC
	618571.19	960421.66	2399.277	PVC
	618666.26	900148.81	2287.36	PVC
Codo 45°_3" RDE32.5	618533.81	959891.92	2247.95	PVC
	618439.49	959658.66	2248.17	PVC
	618348.59	959571.82	2245.38	PVC

Codo 45°_1_1/2" RDE21	618346.88	959507.14	2244.63	PVC
	618513.68	959378.38	2239.76	PVC
	618521.84	958871.31	2234.96	PVC
	618632.89	958568.56	2224.53	PVC
	618585.88	958396	2192.78	PVC
	618490.6	957447.2	2051.4	PVC
	618311.83	958237.45	2171.7	PVC
	918314.49	959567.85	2225.01	PVC
	618143.56	959415.56	2194.78	PVC
	618085.92	959298.62	2188.44	PVC
	618061.18	959041.39	2157.38	PVC
	617940.06	958717.91	2119.96	PVC
	617382.45	957846.2	2003.04	PVC
	617898.15	956466.81	1774.92	PVC
	617157.3	958093.75	2012.8	PVC
	617129.56	958073.11	2005.67	PVC
	617073.58	957943.38	1980.79	PVC
	617033.4	957819.53	1960.56	PVC
Codo 22.5°_1_1/2" RDE21	617073.98	957742.48	1950.3	PVC
	618600.11	958181.56	2170.17	PVC
	618529.62	959309.64	2241.8	PVC
	618580.6	959117.18	2235.13	PVC
	618608.44	957662.41	2076.07	PVC
	617460.67	958071.54	2039.98	PVC
	617374.13	957954.87	2032.14	PVC
	617899.78	956712.3	1801.01	PVC
	617243.88	958068.09	2024.05	PVC
	618664.53	957977.02	2149.06	PVC
	617539.76	958175.68	2055.28	PVC
Codo 90°_1_1/2" RDE21	617539.76	958175.68	2055.28	PVC
	617539.76	958175.68	2055.28	PVC
	617539.76	958175.68	2055.28	PVC

Nudo	Cota Roja M.S.N.M	Cota Piezometrica M.S.N.M	Presion Disponible M.C.A
n213	2248.079	2262.38	15.3
n214	2248.224	2262.31	15.08
n215	2248.284	2262.26	14.98
n216	2248.808	2262.2	14.39
n217	2247.928	2262.12	15.2
n218	2248.265	2262.09	14.83
n219	2248.25	2262.04	14.79
n220	2247.625	2261.97	15.35
n221	2247.431	2261.9	15.47
n222	2247.226	2261.84	15.61
n223	2246.239	2261.82	16.58
n224	2245.484	2261.77	17.28
n225	2246.237	2261.74	16.5
n226	2244.977	2261.66	17.68
n227	2244.488	2261.6	18.11
n228	2244.383	2261.56	18.17
n229	2244.884	2261.54	17.65
n230	2244.883	2261.48	17.6
n231	2246.643	2261.44	15.8
n232	2247.541	2261.4	14.86
n233	2247.595	2261.37	14.78
n234	2247.286	2261.33	15.04
n235	2246.972	2261.3	14.02
n236	2248.17	2261.25	14.08
n237	2247.774	2261.21	14.43
n238	2246.848	2261.16	15.31
n239	2246.76	2261.13	15.37
n240	2247.025	2261.07	15.04
n241	2246.721	2261.02	15.3
n242	2246.194	2260.95	15.75
n243	2246.281	2260.88	15.59
n244	2247.856	2260.82	16.06
n245	2245.767	2260.76	16
n246	2245.778	2260.72	15.95
n247	2245.706	2260.67	15.97
n248	2245.429	2260.62	16.19
n249	2245.787	2260.58	15.79
n250	2245.701	2260.54	15.84
n251	2245.447	2260.51	16.07
n252	2245.384	2260.51	16.12
2023-B	2241.57	2241.17	0.6
n254	2237.989	2241.09	4.1
n255	2233.467	2241.01	8.54
n256	2232.102	2240.96	9.86
n257	2225.007	2240.88	16.87
n258	2224.863	2240.76	16.9
n259	2225.016	2240.74	16.72
n260	2223.631	2240.69	18.06
n261	2222.212	2240.61	19.4
n262	2219.257	2240.36	22.1

Nudo	Cota Roja M.S.N.M	Cota Piezometrica M.S.N.M	Presion Disponible M.C.A
n263	2217.741	2240.2	23.46
n264	2216.251	2240.08	24.82
n265	2214.344	2239.87	26.53
n266	2212.539	2239.7	28.16
n267	2211.813	2239.59	28.77
n268	2209.542	2239.44	30.9
n269	2207.311	2239.22	32.91
n270	2205.599	2239.01	34.41
n271	2204.049	2238.82	35.78
n272	2202.713	2238.62	36.91
n273	2201.458	2238.42	37.96
n274	2201.301	2238.23	37.93
n275	2199.524	2238.2	39.68
n276	2198.968	2238.03	40.06
n277	2198.309	2237.94	40.63
n278	2197.083	2237.77	41.69
n279	2194.784	2237.55	43.76
n280	2193.833	2237.49	44.65
n281	2189.094	2237.29	49.19
n282	2187.88	2237.16	50.28
n283	2186.658	2237	51.34
n284	2186.148	2236.75	51.6
n285	2186.972	2236.51	50.54
n286	2187.83	2236.4	49.57
n287	2188.919	2236.28	48.36
n288	2188.731	2236.15	48.42
n289	2188.442	2236.01	48.57
n290	2186.47	2235.91	50.44
2025-B	2181.435	2181.03	0.6
n292	2181.435	2180.87	0.43
n293	2177.843	2180.72	3.88
n294	2177.077	2180.52	8.44
n295	2171.124	2180.38	10.25
n296	2170.431	2180.23	10.8
n297	2170.209	2180.08	10.87
n298	2169.826	2179.98	11.16
n299	2169.144	2179.92	11.77
n300	2166.839	2179.77	13.93
n301	2165.353	2179.6	15.25
n302	2164.545	2179.48	15.93
n303	2163.857	2179.34	16.49
n304	2162.528	2179.21	17.68
n305	2161.383	2179.08	18.7
n306	2159.761	2178.92	20.16
n307	2158.756	2178.82	21.06
n308	2157.53	2178.69	22.16
n309	2157.383	2178.56	22.18
n310	2156.578	2178.52	22.95
n311	2156.714	2178.51	22.8
n312	2156.023	2178.5	23.47

Nudo	Cota Roja M.S.N.M	Cota Piezometrica M.S.N.M	Presion Disponible M.C.A
n313	2155.041	2178.43	24.39
n314	2152.722	2178.31	26.59
n315	2150.37	2178.18	28.81
n316	2148.087	2178.08	30.99
n317	2146.104	2177.94	32.83
n318	2144.245	2177.79	34.54
n319	2142.417	2177.64	36.22
n320	2141.941	2177.55	36.6
n321	2140.147	2177.4	38.25
n322	2137.832	2177.28	40.45

Nudo	Cota Roja M.S.N.M	Cota Piezometrica M.S.N.M	Presion Disponible M.C.A
n252	2245.384	2260.51	16.12
n599	2245.537	2260.43	15.89
n600	2245.157	2260.14	15.98
n601	2245.007	2259.87	15.86
n602	2244.909	2259.67	15.76
n603	2244.808	2259.46	15.65
n604	2244.47	2259.24	15.77
n605	2244.635	2259.06	15.42
n606	2244.262	2258.74	15.48
n607	2244.132	2258.58	15.43
n608	2243.498	2258.25	15.75
n609	2242.815	2258.02	16.2
n610	2242.563	2257.72	16.16
n611	2242.621	2257.47	15.85
n612	2242.766	2257.23	15.47
n613	2242.757	2257.03	15.28
n614	2241.609	2256.78	16.17
n615	2241.334	2256.49	16.16
n616	2241.095	2256.04	15.95
n617	2240.923	2256	16.08
n618	2239.839	2255.8	16.96
n619	2238.963	2255.55	17.59
n620	2240.638	2255.28	15.64
n621	2241.043	2255.09	15.05
n622	2240.192	2254.85	15.66
n623	2238.508	2254.79	17.28
n624	2239.189	2254.77	16.58
n625	2239.763	2254.65	15.88
n626	2239.402	2254.4	15.99

ALCALDIA MUNICIPAL
MUNICIPIO DE YACUANQUER

ALCALDE:

FRANCISCO DANIEL SANTACRUZ

PROYECTO:

CONSTRUCCION
SISTEMA DE ACUEDUCTO
ARGUELLO ALTO Y BAJO
MUNICIPIO DE YACUANQUER
DEPARTAMENTO DE NARIÑO

CONTIENE:

PLANTAS DISEÑO
PL5

CONSULTOR:

ING. DIEGO CANCHALA CASTRO
M.P. 52202-220981 NRR

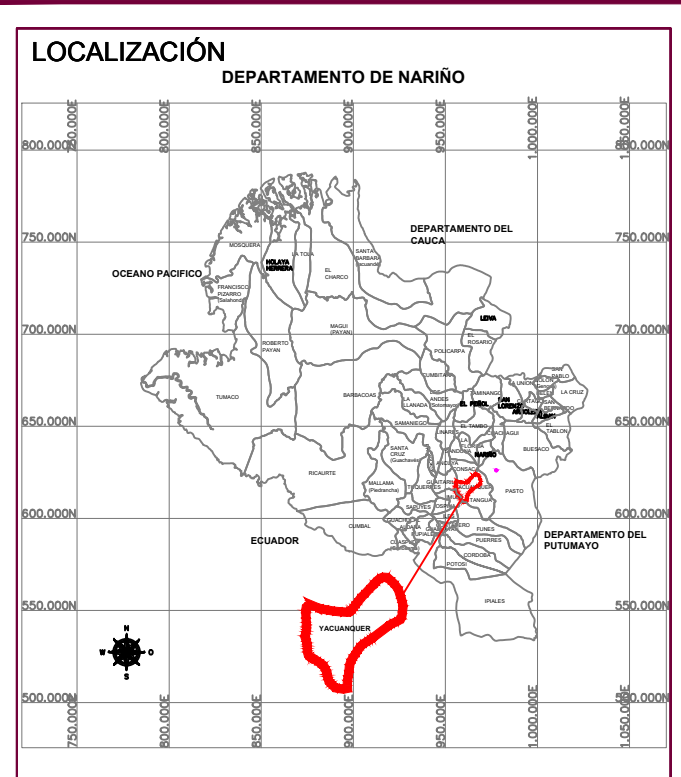
DISEÑO:

ING. DIEGO CANCHALA CASTRO
M.P. 52202-220981 NRR

REVISÓ:

ING. ROMMEL CUASTUMAL
M.P. 52202-313940 NRR

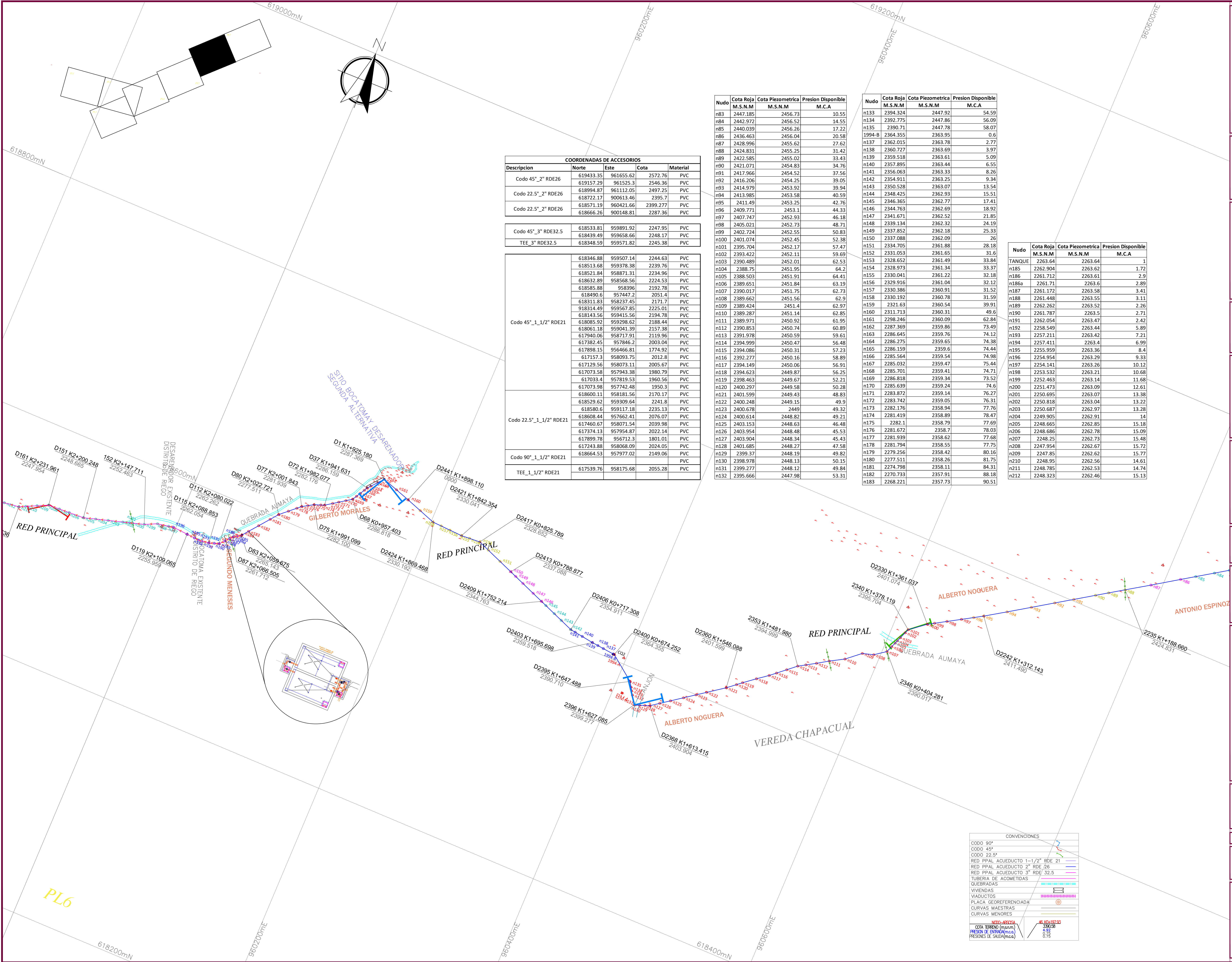
Revisión No.	DESCRIPCION	FECHA	REVISO



Vo. Bo.:

JHONATAN JOSE INSUASTY
SECRETARIO DE PLANEACION Y OBRAS PUBLICAS

JULIO / 2020
-
ARCHIVO:
08NO_PLANTA.DWG
ESCALA:
1: 1250



COORDENADAS DE ACCESORIOS				
Descripcion	Norte	Este	Cota	Material
Codo 45°_2" RDE26	619433.35	961655.62	2572.76	PVC
	619157.29	961525.3	2546.36	PVC
	618994.87	961112.05	2497.25	PVC
Codo 22.5°_2" RDE26	618722.17	960613.46	2395.7	PVC
	618571.19	960421.66	2399.277	PVC
	618666.26	960148.81	2287.36	PVC
Codo 22.5°_2" RDE26	618571.19	960421.66	2399.277	PVC
	618666.26	960148.81	2287.36	PVC
	618571.19	960421.66	2399.277	PVC
Codo 45°_3" RDE32.5	618533.81	959891.92	2247.95	PVC
	618439.49	959658.66	2248.17	PVC
	618348.59	959571.82	2245.38	PVC
TEE 3" RDE32.5	618533.81	959891.92	2247.95	PVC
	618439.49	959658.66	2248.17	PVC
	618348.59	959571.82	2245.38	PVC

Codo 45°_1_1/2" RDE21	618346.88	959507.14	2244.63	PVC
	618513.68	959378.38	2239.76	PVC
	618521.84	958871.31	2234.96	PVC
	618632.89	958568.56	2224.53	PVC
	618585.88	958396	2192.78	PVC
	618490.6	957447.2	2051.4	PVC
	618311.63	958237.45	2171.7	PVC
	918314.49	959567.85	2225.01	PVC
	618143.56	959415.56	2194.78	PVC
	618085.92	959298.62	2188.44	PVC
	618061.18	959041.39	2157.38	PVC
	617940.06	958717.91	2119.96	PVC
	617382.45	957846.2	2003.04	PVC
	617898.15	956466.81	1774.92	PVC
	617157.3	958093.75	2012.8	PVC
Codo 22.5°_1_1/2" RDE21	617129.56	958073.11	2005.67	PVC
	617073.58	957943.38	1980.79	PVC
	617033.4	957819.53	1960.56	PVC
	617073.98	957742.48	1950.3	PVC
	618600.11	958181.56	2170.17	PVC
	618529.62	959309.64	2241.8	PVC
	618580.6	959117.18	2235.13	PVC
	618608.44	957662.41	2076.07	PVC
	617460.67	958071.54	2039.98	PVC
	617374.13	957954.87	2022.14	PVC
	617899.78	956712.3	1801.01	PVC
	617243.88	958068.09	2024.05	PVC
	618664.53	957977.02	2149.06	PVC
	617539.76	958175.68	2055.28	PVC
	617539.76	958175.68	2055.28	PVC
TEE 1_1/2" RDE21	617539.76	958175.68	2055.28	PVC
	617539.76	958175.68	2055.28	PVC
	617539.76	958175.68	2055.28	PVC

Nudo	Cota Roja M.S.N.M	Cota Piezometrica M.S.N.M	Presion Disponible M.C.A
n83	2447.185	2456.73	10.55
n84	2442.972	2456.52	14.55
n85	2440.039	2456.26	17.22
n86	2436.463	2456.04	20.58
n87	2428.996	2455.62	27.62
n88	2424.831	2455.25	31.42
n89	2422.585	2455.02	33.43
n90	2421.071	2454.83	34.76
n91	2417.966	2454.52	37.56
n92	2416.206	2454.25	39.05
n93	2414.979	2453.92	39.94
n94	2413.985	2453.58	40.59
n95	2411.49	2453.25	42.76
n96	2409.771	2453.1	44.33
n97	2407.747	2452.93	46.18
n98	2405.021	2452.73	48.71
n99	2402.724	2452.55	50.83
n100	2401.074	2452.45	52.38
n101	2395.704	2452.17	57.47
n102	2393.422	2452.11	59.69
n103	2390.489	2452.01	62.53
n104	2388.75	2451.95	64.2
n105	2388.503	2451.91	64.41
n106	2389.651	2451.84	63.19
n107	2390.017	2451.75	62.73
n108	2389.662	2451.56	62.9
n109	2389.424	2451.4	62.97
n110	2389.287	2451.14	62.85
n111	2389.971	2450.92	61.95
n112	2390.853	2450.74	60.89
n113	2391.978	2450.59	59.61
n114	2394.999	2450.47	56.48
n115	2394.086	2450.31	57.23
n116	2392.277	2450.16	58.89
n117	2394.149	2450.06	56.91
n118	2394.623	2449.87	56.25
n119	2398.463	2449.67	52.21
n120	2400.297	2449.58	50.28
n121	2401.599	2449.43	48.83
n122	2400.248	2449.15	49.9
n123	2400.678	2449	49.32
n124	2400.614	2448.82	49.21
n125	2403.153	2448.63	46.48
n126	2403.954	2448.48	45.53
n127	2403.904	2448.34	45.43
n128	2401.685	2448.27	47.58
n129	2399.37	2448.19	49.82
n130	2398.978	2448.13	50.15
n131	2399.277	2448.12	49.84
n132	2395.666	2447.98	53.31

Nudo	Cota Roja M.S.N.M	Cota Piezometrica M.S.N.M	Presion Disponible M.C.A
n133	2394.324	2447.92	54.59
n134	2392.775	2447.86	56.09
n135	2390.71	2447.78	58.07
1994-B	2364.355	2363.95	0.6
n137	2362.015	2363.78	2.77
n138	2360.727	2363.69	3.97
n139	2359.518	2363.61	5.09
n140	2357.895	2363.44	6.55
n141	2356.063	2363.33	8.26
n142	2354.911	2363.25	9.34
n143	2350.528	2363.07	13.54
n144	2348.425	2362.93	15.51
n145	2346.365	2362.77	17.41
n146	2344.763	2362.69	18.92
n147	2341.671	2362.52	21.85
n148	2339.134	2362.32	24.19
n149	2337.852	2362.18	25.33
n150	2337.088	2362.09	26
n151	2334.705	2361.88	28.18
n152	2331.053	2361.65	31.6
n153	2328.652	2361.49	33.84
n154	2328.973	2361.34	33.37
n155	2330.041	2361.22	32.18
n156	2329.916	2361.04	32.12
n157	2330.386	2360.91	31.52
n158	2330.192	2360.78	31.59
n159	2321.63	2360.54	39.91
n160	2311.713	2360.31	49.6
n161	2298.246	2360.09	62.84
n162	2287.369	2359.86	73.49
n163	2286.645	2359.76	74.12
n164	2286.275	2359.65	74.38
n165	2286.159	2359.6	74.44
n166	2285.564	2359.54	74.98
n167	2285.032	2359.47	75.44
n168	2285.701	2359.41	74.71
n169	2286.818	2359.34	73.52
n170	2285.639	2359.24	74.6
n171	2283.872	2359.14	76.27
n172	2283.742	2359.05	76.31
n173	2282.176	2358.94	77.76
n174	2281.419	2358.89	78.47
n175	2282.1	2358.79	77.69
n176	2281.672	2358.7	78.03
n177	2281.939	2358.62	77.68
n178	2281.994	2358.55	77.75
n179	2279.256	2358.42	80.16
n180	2277.511	2358.26	81.75
n181	2274.798	2358.11	84.31
n182	2270.733	2357.91	88.18
n183	2268.221	2357.73	90.51

Nudo	Cota Roja M.S.N.M	Cota Piezometrica M.S.N.M	Presion Disponible M.C.A
TANQUE	2263.64	2263.64	1
n185	2262.904	2263.62	1.72
n186	2261.712	2263.61	2.9
n186a	2261.71	2263.6	2.89
n187	2261.172	2263.58	3.41
n188	2261.448	2263.55	3.11
n189	2262.262	2263.52	2.26
n190	2261.787	2263.5	2.71
n191	2262.054	2263.47	2.42
n192	2258.549	2263.44	5.89
n193	2257.211	2263.42	7.21
n194	2257.411	2263.4	6.99
n195	2255.959	2263.36	8.4
n196	2254.954	2263.29	9.33
n197	2254.141	2263.26	10.12
n198	2253.532	2263.21	10.68
n199	2252.463	2263.14	11.68
n200	2251.473	2263.09	12.61
n201	2250.695	2263.07	13.38
n202	2250.818	2263.04	13.22
n203	2250.687	2262.97	13.28
n204	2249.905	2262.91	14
n205	2248.665	2262.85	15.18
n206	2248.686	2262.78	15.09
n207	2248.25	2262.73	15.48
n208	2247.954	2262.67	15.72
n209	2247.85	2262.62	15.77
n210	2248.95	2262.56	14.61
n211	2248.785	2262.53	14.74
n212	2248.323	2262.46	15.13



ALCALDIA MUNICIPAL
MUNICIPIO DE YACUANQUER

ALCALDE:

FRANCISCO DANIEL SANTACRUZ

PROYECTO:

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ARGUELLO ALTO Y BAJO
MUNICIPIO DE YACUANQUER
DEPARTAMENTO DE NARIÑO

CONTIENE:

PLANTAS DISEÑO
PL6

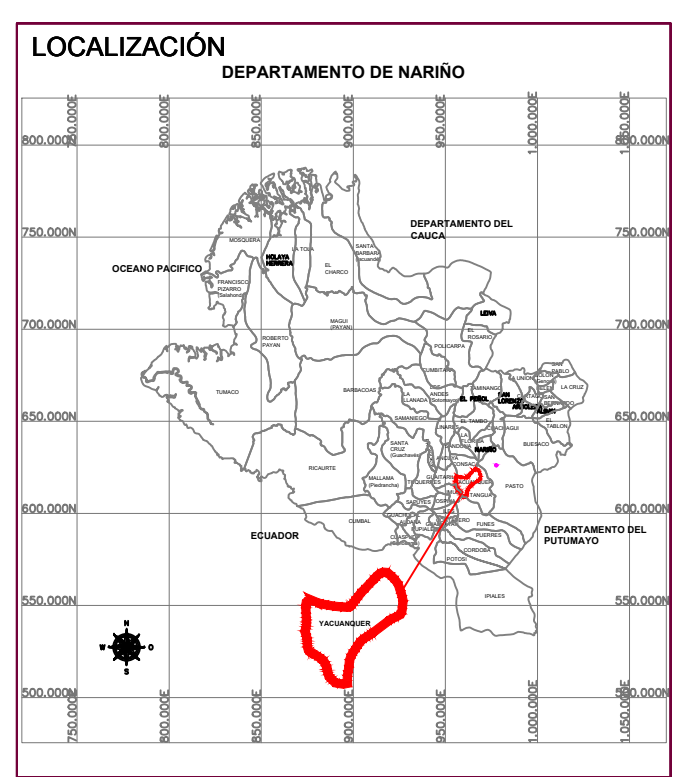
CONSULTOR:

ING. DIEGO CANCHALA CASTRO
M.P. 52202-220981 NRR

DISEÑO:

ING. DIEGO CANCHALA CASTRO
M.P. 52202-313940 NRR

Revisión No.	DESCRIPCION	FECHA	REVISO



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JULIO / 2020
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ESCALA:
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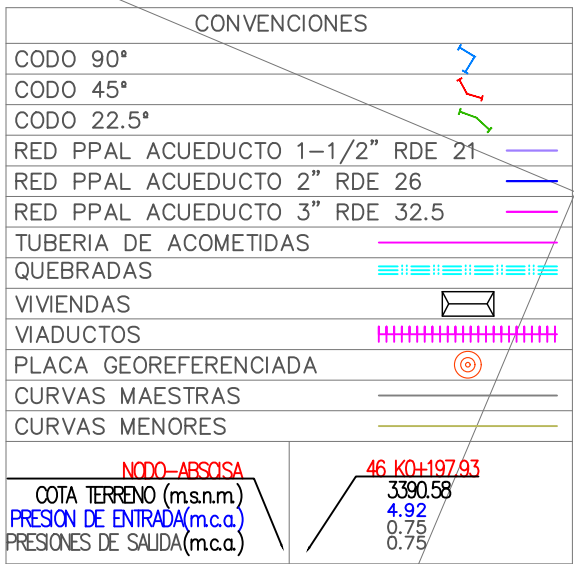
COORDENADAS DE ACCESORIOS				
Descripción	Norte	Este	Cota	Material
Codo 45° 2" RDE26	619433.35	961655.62	2572.76	PVC
	619157.29	961525.3	2546.36	PVC
Codo 22.5° 2" RDE26	618994.87	961112.05	2497.25	PVC
	618722.17	900613.46	2395.7	PVC
Codo 22.5° 2" RDE26	618571.19	960421.66	2399.277	PVC
	618666.26	900148.81	2287.36	PVC

Codo 45°_3" RDE32.5	618533.81	959891.92	2247.95	PVC
	618439.49	959658.66	2248.17	PVC
TEE_3" RDE32.5	618348.59	959571.82	2245.38	PVC

	618346.88	959507.14	2244.63	PVC
	618513.68	959378.38	2239.76	PVC
	618521.84	958871.31	2234.96	PVC
	618632.89	958568.56	2224.53	PVC
	618585.88	958396	2192.78	PVC
	618490.66	957447.2	2051.4	PVC
	618311.83	958237.45	2171.7	PVC
	618314.49	959567.85	2225.01	PVC
	61843.56	959415.56	2194.78	PVC
Codo 45°_1_1/2" RDE21	618085.92	959298.62	2188.44	PVC
	618061.18	959041.39	2157.38	PVC
	617940.06	958711.91	2119.96	PVC
	617382.45	957846.2	2003.04	PVC
	617898.15	956466.81	1774.92	PVC
	617157.3	958093.75	2012.8	PVC
	617120.56	958073.11	2005.67	PVC
	617073.58	957943.38	1980.79	PVC
	617033.4	957819.53	1960.56	PVC
	617073.98	957742.48	1950.3	PVC
	618600.11	958181.56	2170.17	PVC
	618529.62	959309.64	2241.8	PVC
Codo 22.5°_1_1/2" RDE21	618580.66	959117.18	2235.13	PVC
	618608.44	957662.41	2076.07	PVC
	617460.67	958071.54	2039.98	PVC
	617374.13	957954.87	2022.14	PVC
	617899.78	956712.3	1801.01	PVC
	617243.88	958068.08	2024.05	PVC
Codo 90°_1_1/2" RDE21	618664.53	957977.02	2149.06	PVC
				PVC
TEE_1_1/2" RDE21	617539.76	958175.68	2055.28	PVC

Nudo	Cota Roja M.S.N.M.	Cota Piezometrica M.S.N.M.	Presion Disponible M.C.A
BCTMA	2576.49	2575.75	0.26
n2	2575.373	2575.59	1.22
n3	2574.595	2575.4	1.81
n4	2573.923	2575.21	2.29
n5	2573.153	2575.03	2.88
n6	2572.766	2574.89	3.12
n7	2571.565	2574.68	4.12
n8	2570.432	2574.49	5.06
n9	2569.329	2574.3	5.97
n10	2567.968	2574.11	7.14

Nudo	Cota R.O.J	Cota Piezometrica	Presion Disponible
	M.S.N.M	M.S.N.M	M.C.A
n51	2515.124	2539.88	25.76
n52	2513.077	2539.86	27.53
n53	2510.214	2539.4	30.19
n54	2507.561	2539.2	32.64
n55	2505.66	2538.98	34.32
n56	2504.333	2538.79	35.45
n57	2503.419	2538.56	36.14
n58	2502.959	2538.35	36.39
n59	2501.969	2538.13	37.16
n60	2501.211	2537.9	37.69
n61	2500.39	2537.69	38.3
n62	2499.055	2537.42	39.36
n63	2498.068	2537.17	40.1
n64	2497.254	2536.88	40.63
n65	2494.989	2536.76	42.77
n66	2494.559	2536.67	43.11
n67	2492.608	2536.59	44.98
n68	2485.309	2536.28	51.97
n69	2480.881	2535.91	56.03
n70	2478.515	2535.55	58.03
n71	2476.846	2535.24	59.39
n72	2475.041	2535.02	61.98
n73	2474.311	2534.81	60.5
n74	2470.805	2534.47	64.67
n75	2465.682	2534.01	69.33
n76	2464.287	2533.73	70.44
n77	2463.718	2533.42	70.71
n78	2462.454	2533.26	71.8
n79	2461.066	2533.13	73.06
1998-B	2457.895	2457.49	0.6
n81	2454.626	2457.27	3.64
n82	2450.94	2456.98	7.04
n83	2447.185	2456.73	10.55



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PLANTAS DISEÑO
PL7

CONSULTOR:

DIEGO CANCHALA CASTRO
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DISEÑÓ:

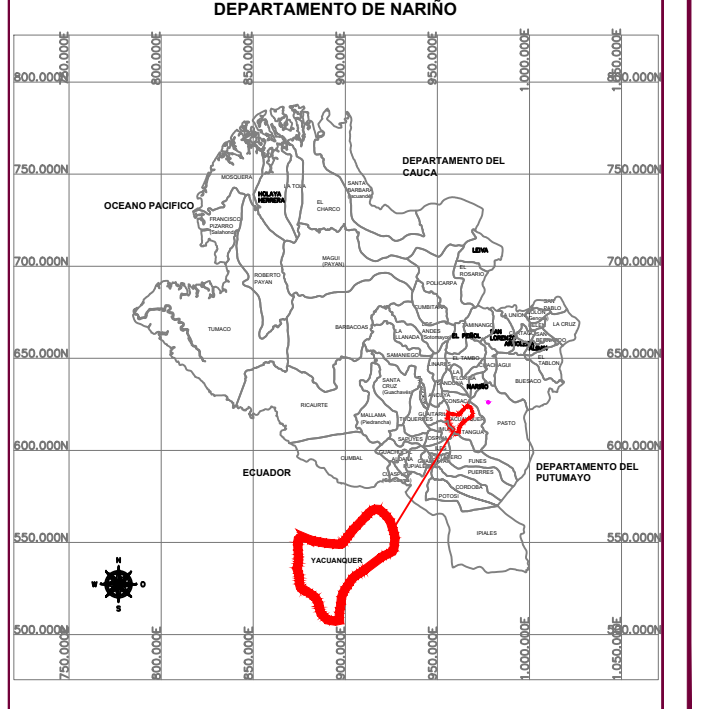
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REVISÓ:

ING. ROMMEL CUASTUMAL
M.P. 52202-313940 NRÑ

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LOCALIZACIÓN



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