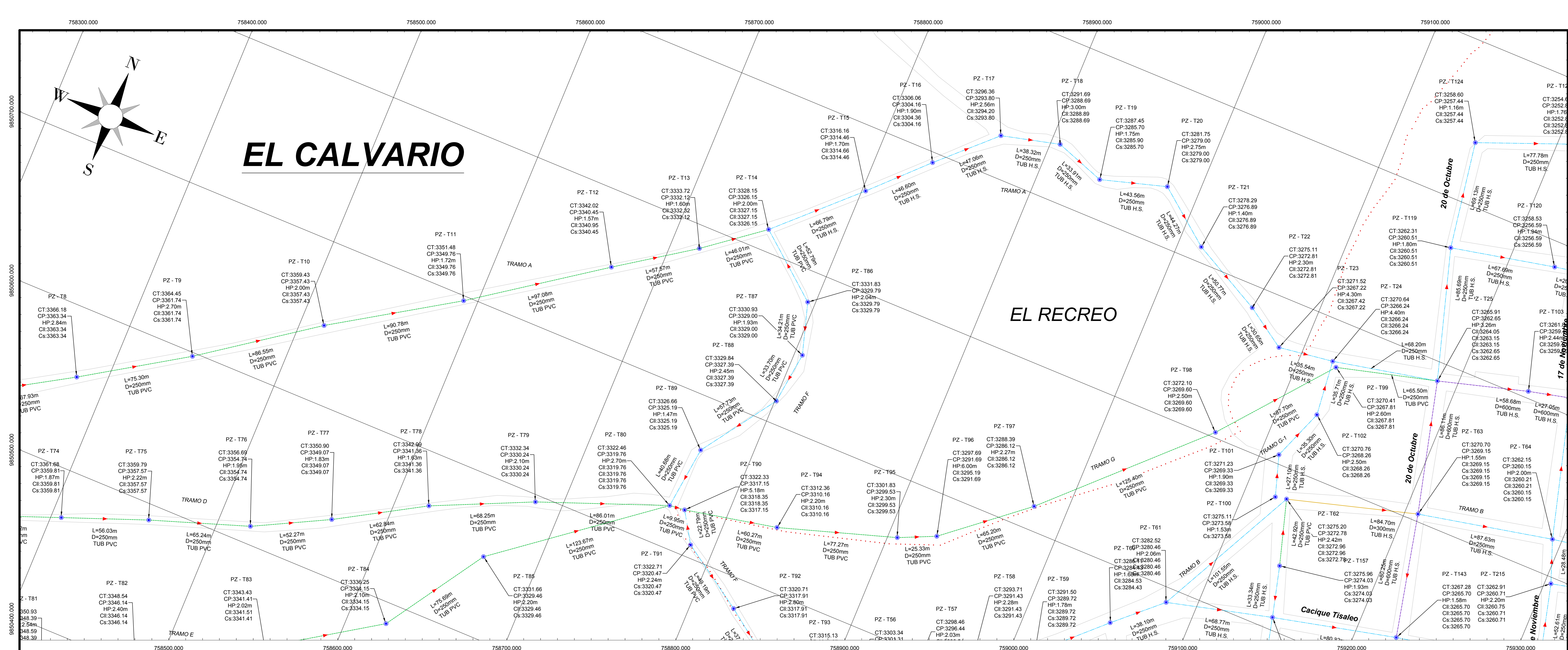
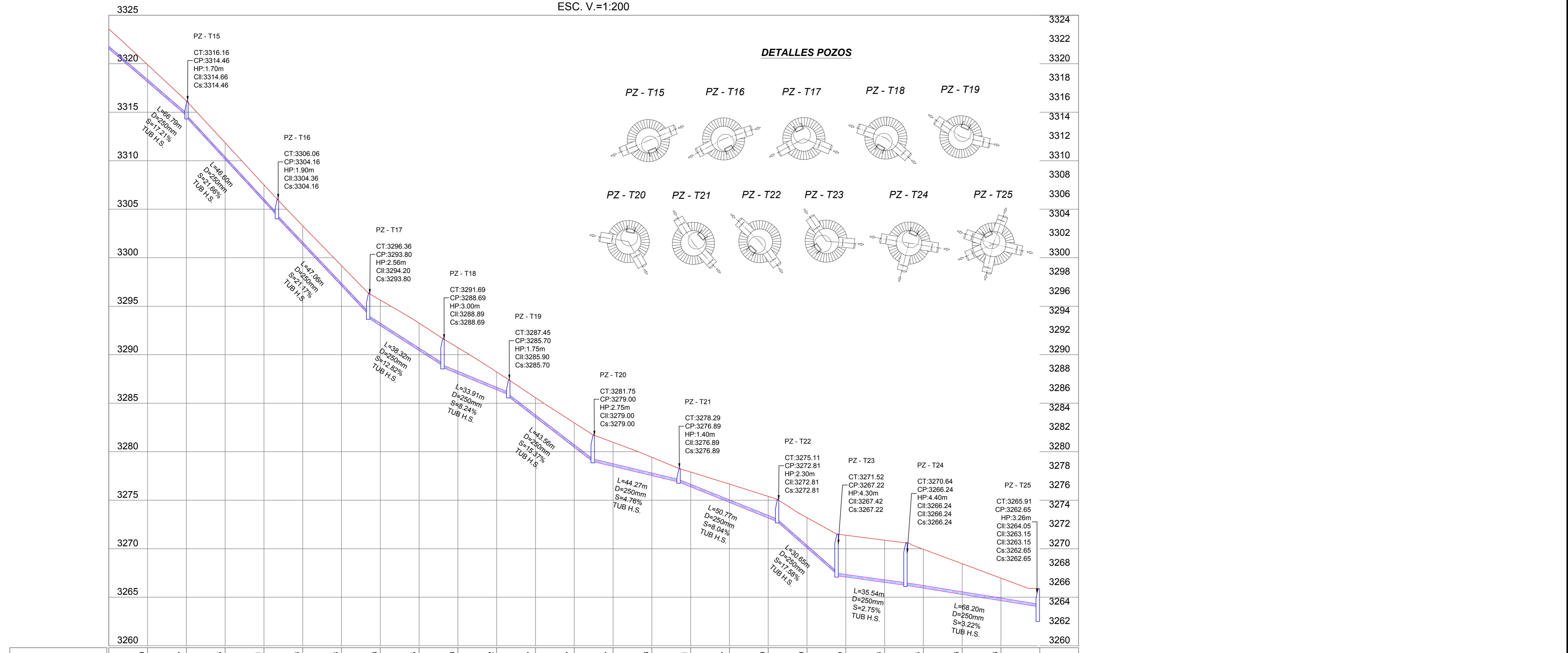


***RED DE ALCANTARILLADO
SANITARIO EL CALVARIO -
TISALEO***

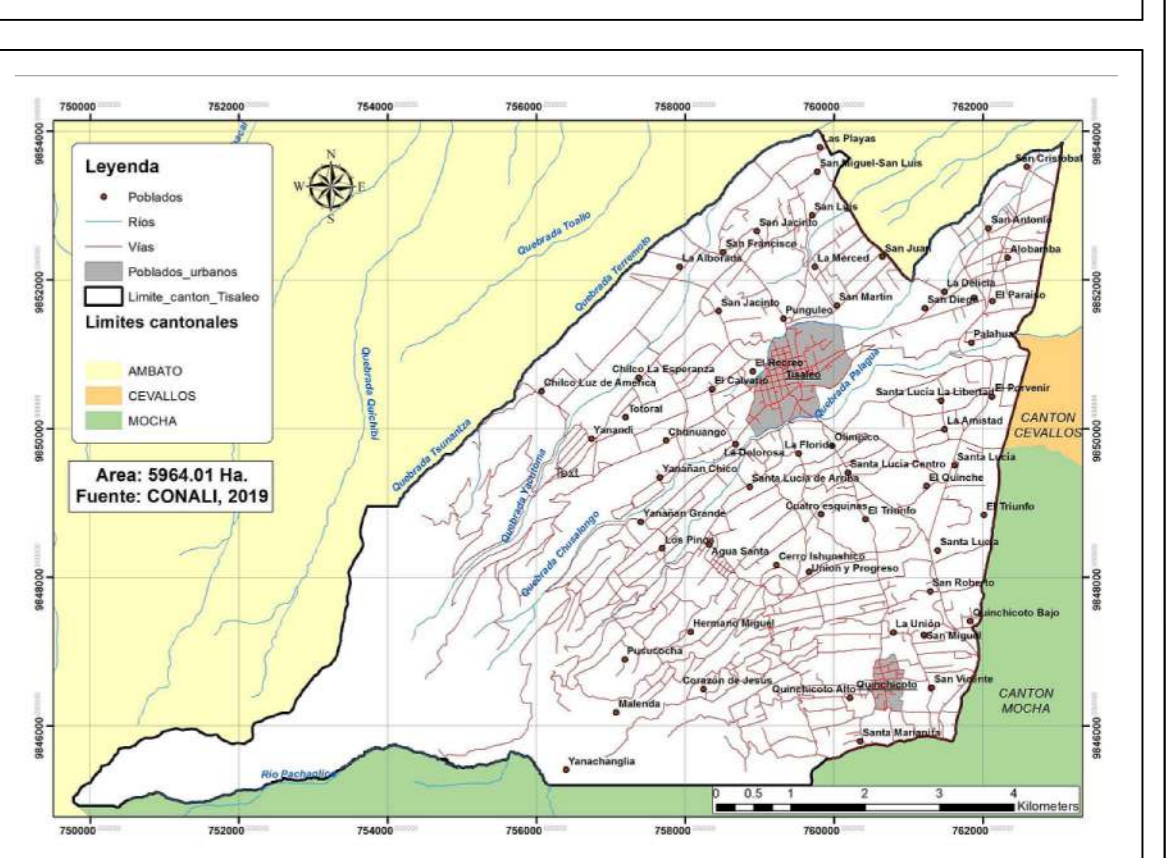


PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



COTA TERRENO	3319.90	3318.11	3316.17	3314.05	3311.95	3309.81	3307.51	3305.28	3303.18	3299.18	3295.03	3293.25	3290.73	3288.69	3286.57	3284.46	3282.87	3280.97	3278.50	3277.51	3275.40	3273.50	3271.99	3269.84	3268.46	3266.96	
COTA PROYECTO	3318.11	3314.48	3310.14	3305.81	3301.54	3297.11	3293.00	3289.03	3285.03	3281.03	3277.03	3273.03	3269.03	3265.03	3261.03	3257.03	3253.03	3249.03	3245.03	3241.03	3237.03	3233.03	3229.03	3225.03	3221.03	3217.03	3213.03
CORTE	1.79	1.68	1.71	1.70	1.94	2.07	2.64	2.82	2.69	1.83	2.03	2.51	2.47	1.88	1.52	1.88	2.22	3.10	4.31	4.34	3.99	3.15	2.31				
ABSCISA	+920	+940	+960	+980	+1000	+1020	+1040	+1060	+1080	+1100	+1120	+1140	+1160	+1180	+1200	+1220	+1240	+1260	+1280	+1300	+1320	+1340	+1360	+1380			

UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
 COORDENADAS UTM: 759353.24 m E
 9850780.17 m S
 ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA PVC D = 300mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CI	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO

POZO	ESTE (m)	NORTE (m)	L (m)	TIPO	C. LLEGADA (m)	C. SALIDA (m)
LA PRIMAVERA						
PZ-1	757997.88	9850587.81	3374.73		3372.73	3372.73
PZ-2	758051.37	9850405.00	3374.61		3372.12	3372.12
PZ-3	758116.73	9850434.91	3373.43		3371.03	3370.93
PZ-4	758173.86	9850455.31	3372.07		3369.82	3369.82
PZ-5	758217.20	9850489.98	3371.03		3368.59	3368.59
PZ-6	758270.33	9850496.19	3367.14		3365.49	3365.49
PZ-7	758323.00	9850521.87	3366.66		3364.66	3364.66
PZ-8	758381.15	9850557.00	3366.18		3363.34	3363.34
PZ-9	758444.44	9850597.64	3364.44		3361.74	3361.74
PZ-10	758514.84	9850648.13	3359.43		3357.43	3357.43
PZ-11	758591.88	9850698.94	3351.48		3348.76	3348.76
PZ-12	758670.59	9850753.07	3342.02		3340.95	3340.95
PZ-13	758748.05	9850785.66	3333.73		3332.33	3332.33
PZ-14	758844.44	9850813.86	3328.15		3327.15	3327.15
PZ-15	758902.32	9850850.59	3316.16		3314.66	3314.66
PZ-16	758935.00	9850893.00	3306.00		3304.00	3304.00
PZ-17	758988.86	9850926.28	3296.36		3294.20	3293.80
PZ-18	759066.02	9850958.86	3291.69		3288.69	3288.69
PZ-19	759136.04	9850992.00	3287.45		3285.90	3285.70
PZ-20	759199.81	9850936.88	3281.75		3279.00	3279.00
PZ-21	759244.63	9850989.58	3275.29		3275.88	3275.88
PZ-22	759299.67	9850886.11	3275.11		3272.81	3272.81
PZ-23	759355.21	9850959.18	3271.52		3267.42	3267.23
PZ-24	759410.40	9850874.13	3270.64		3266.24	3266.24
PZ-25	759467.15	9850888.14	3265.91		3264.05	3262.65
LA DOLORES						
PZ-26	757133.59	9849557.33	3430.13		3428.30	3428.30
PZ-27	757190.05	9849599.99	3430.12		3428.67	3428.27
PZ-28	757231.70	9849599.33	3428.72		3427.11	3427.11
PZ-29	757216.11	9849640.41	3425.17		3423.46	3423.46
PZ-30	757292.70	9849665.44	3423.87		3422.24	3422.24
PZ-31	757377.61	9849684.33	3420.25		3418.65	3418.65
PZ-32	757531.52	9849713.54	3419.78		3418.18	3418.18
PZ-33	757674.78	9849728.00	3417.23		3415.62	3415.52
PZ-34	757832.09	9849743.80	3412.51		3411.84	3411.84
PZ-35	757995.88	9849784.10	3411.15		3409.35	3409.25
PZ-36	758170.20	9849829.25	3410.75		3408.29	3408.29
PZ-37	758348.74	9849872.19	3409.10		3406.43	3406.43
PZ-38	758534.79	9849904.08	3406.07		3404.85	3404.75
PZ-39	758726.86	9849931.42	3401.11		3399.61	3399.26
PZ-40	758930.50	9849961.13	3391.48		3389.75	3389.55
PZ-41	759147.66	9849984.41	3388.04		3386.16	3385.96
PZ-42	759374.51	9850004.65	3386.15		3384.23	3384.23
PZ-43	759616.52	9850031.99	3382.90		3380.60	3380.60
PZ-44	759870.59	9850063.27	3379.19		3377.20	3377.20
PZ-45	759616.52	9850031.99	3382.90		3380.60	3380.60
PZ-46	759626.01	9850059.60	3380.34		3378.70	3378.40
PZ-47	759648.60	9850164.10	3361.32		3359.95	3359.75
PZ-48	759684.14	9850186.30	3357.85		3356.05	3355.59
PZ-49	759740.31	9850205.75	3356.74		3354.73	3354.63
PZ-50	759838.18	9850231.93	3355.03		3353.13	3353.13
PZ-51	759923.16	9850255.50	3352.96		3351.71	3351.71
PZ-52	759990.53	9850288.85	3350.40		3344.80	3344.80
PZ-53	760141.61	9850344.21	3325.89		3324.19	3324.19
PZ-54	760318.18	9850402.14	3316.80		3314.50	3314.40
PZ-55	760515.41	9850463.33	3310.17		3308.30	3308.05
PZ-56	760726.13	9850529.60	3303.34		3301.51	3301.51
PZ-57	760949.22	9850587.43	3298.48		3296.53	3296.43
PZ-58	761189.41	9850650.37	3293.71		3291.43	3291.43
PZ-59	761515.41	9850728.99	3281.50		3289.72	3289.72
PZ-60	761902.84	9850804.99	3269.11		3284.46	3284.46
PZ-61	762359.88	9850891.29	3257.70		3278.15	3278.15
PZ-62	762884.03	9850984.68	3247.30		3270.70	3270.70
PZ-63	763474.03	9850984.68	3237.30		3262.21	3262.21
PZ-64	764134.03	9850984.68	3227.30		3252.59	3252.59
PZ-65	764864.03	9850984.68	3217.30		3241.88	3241.88
PZ-66	765664.14	9850984.68	3207.30		3229.99	3229.99
PZ-67	766534.03	9850984.68	3197.30		3216.88	3216.88
PZ-68	767474.03	9850984.68	3187.30		3202.59	3202.59
PZ-69	768484.03	9850984.68	3177.30		3187.30	3187.30

G.A.D. MUNICIPAL DEL CANTÓN TISALEO

"CATÁSTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALBAMA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

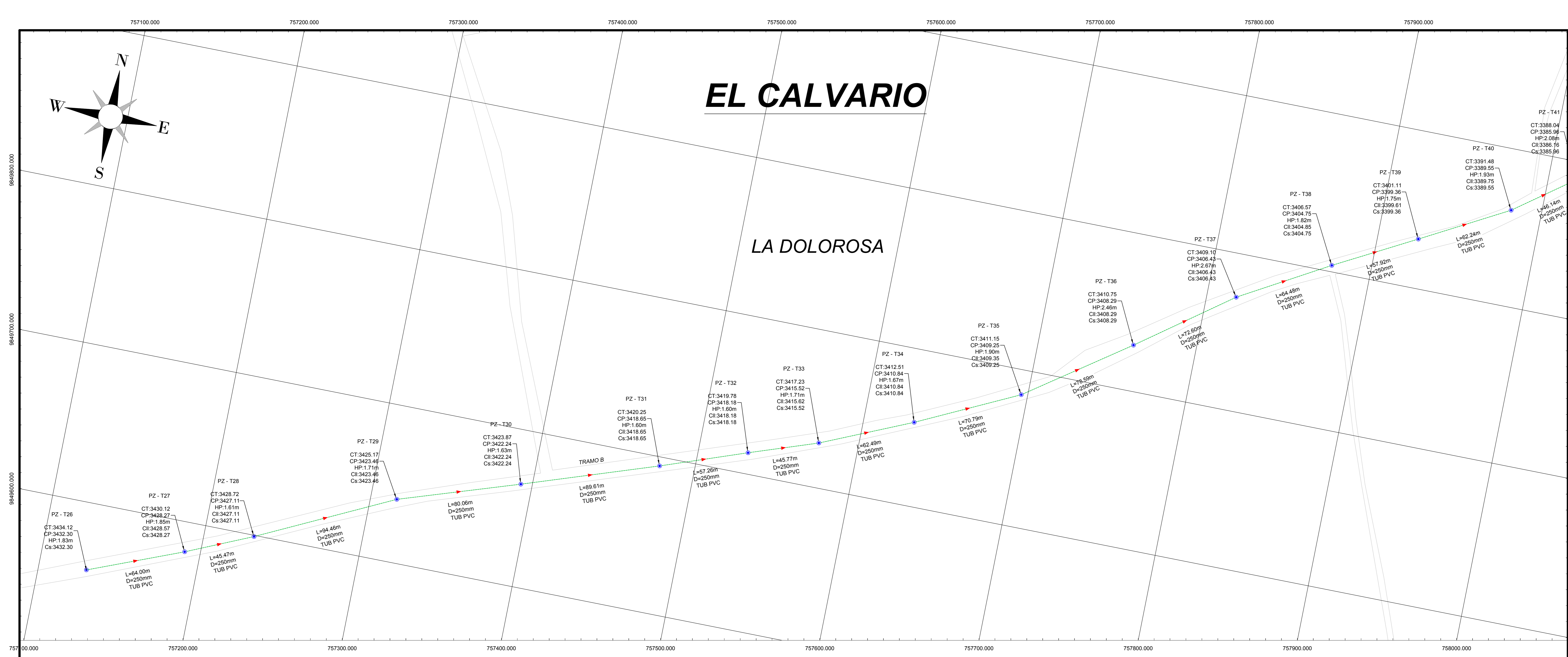
CONTENIDO: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO. TRAMO A. BARRIO EL RECREO.

PROVINCIA: TUNGURAHUA. CANTÓN: TISALEO. SECTOR: EL CALVARIO.

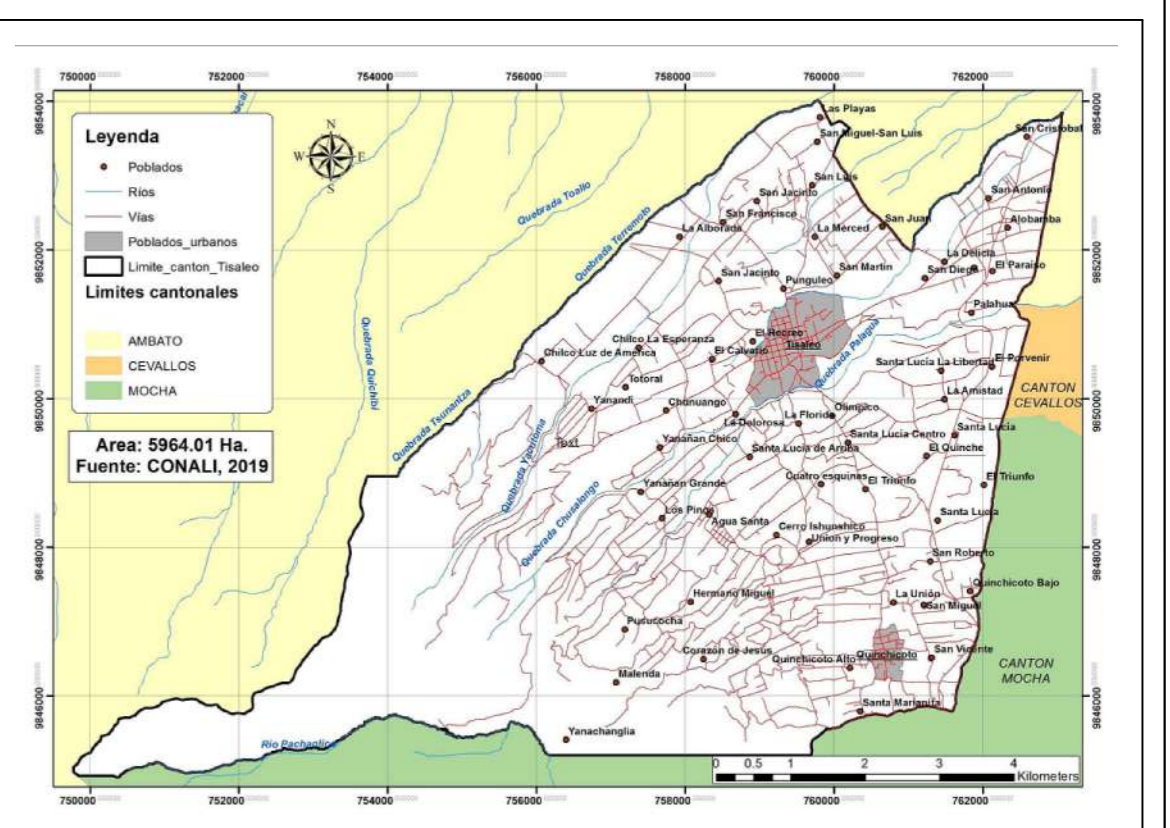
FECHA: OCTUBRE, 2022. ESCALA: 1:1000.

ELABORADO POR: Ing. Tania Bonita Testa. REVISADO POR: Ing. Gato Núñez Tutor. APROBADO POR: Ing. Gato Núñez Tutor.

TOTAL LÁMINAS: 30. LÁMINA 02.



UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

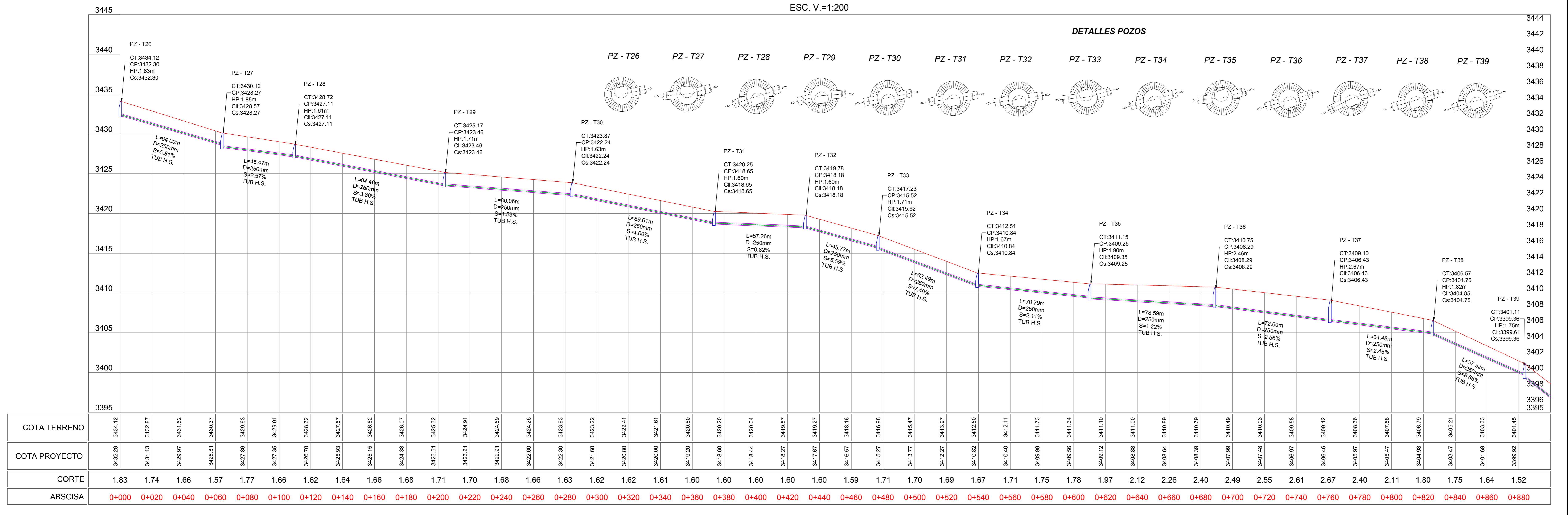
DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E, 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENO
- CP COTA PROYECTO
- CII COTA DE LLEGADA
- Cs COTA DE SALIDA
- HP ALTURA DE POZO

PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200



RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ-1	757997.88	9850587.81	3374.73	3372.12	3372.12
PZ-2	758051.37	9850405.00	3374.61	3372.12	3372.12
PZ-3	758116.73	9850434.01	3373.43	3371.03	3370.93
PZ-4	758178.66	9850455.31	3372.07	3369.82	3369.82
PZ-5	758217.20	9850489.98	3371.03	3368.59	3368.59
PZ-6	758270.33	9850496.19	3367.74	3365.49	3365.49
PZ-7	758323.00	9850521.87	3366.66	3364.66	3364.66
PZ-8	758381.15	9850557.00	3366.18	3363.34	3363.34
PZ-9	758444.54	9850597.64	3364.44	3361.74	3361.74
PZ-10	758514.84	9850648.13	3359.43	3357.43	3357.43
PZ-11	758591.38	9850696.95	3351.48	3348.76	3348.76
PZ-12	758670.59	9850753.07	3342.02	3340.95	3340.95
PZ-13	758761.05	9850785.66	3333.73	3332.33	3332.33
PZ-14	758864.54	9850813.99	3328.15	3327.15	3327.15
PZ-15	758980.32	9850860.39	3316.16	3314.66	3314.66
PZ-16	759103.00	9850923.88	3301.45	3300.45	3300.45
PZ-17	759238.86	9850926.28	3296.36	3294.20	3293.80
PZ-18	759386.02	9850935.86	3288.89	3286.69	3286.69
PZ-19	759546.04	9850924.00	3287.45	3285.90	3285.70
PZ-20	759729.81	9850936.88	3281.75	3279.00	3279.00
PZ-21	759934.62	9850908.58	3278.29	3276.89	3276.89
PZ-22	759959.67	9850888.11	3275.11	3272.81	3272.81
PZ-23	759988.21	9850923.88	3272.29	3270.42	3270.23
PZ-24	759970.40	9850874.13	3270.64	3268.24	3268.24
PZ-25	759918.15	9850888.14	3265.91	3264.05	3262.65

DETALLES POZOS

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ-26	757130.59	9849957.33	3434.13	3428.57	3428.27
PZ-27	757190.05	9849959.99	3430.12	3428.57	3428.27
PZ-28	757231.70	9849959.33	3428.72	3427.11	3427.11
PZ-29	757216.11	9849640.41	3423.66	3422.24	3422.24
PZ-30	757292.70	9849665.44	3423.87	3422.24	3422.24
PZ-31	757377.62	9849654.33	3420.25	3418.65	3418.65
PZ-32	757531.52	9849713.54	3419.78	3418.18	3418.18
PZ-33	757674.78	9849728.50	3417.23	3415.62	3415.52
PZ-34	757832.09	9849753.60	3415.51	3413.84	3413.84
PZ-35	757958.86	9849784.10	3411.15	3409.35	3409.25
PZ-36	757920.20	9849823.95	3410.79	3408.29	3408.29
PZ-37	757816.74	9849872.19	3409.10	3406.43	3406.43
PZ-38	757674.79	9849904.08	3406.07	3404.85	3404.75
PZ-39	757626.86	9849931.42	3401.11	3399.61	3399.26
PZ-40	757580.55	9849961.13	3391.48	3389.75	3389.55
PZ-41	757516.77	9849984.23	3388.04	3388.04	3388.96
PZ-42	758547.51	9850504.65	3386.15	3384.23	3384.23
PZ-43	758596.52	9850531.99	3382.90	3382.60	3382.60
PZ-44	758170.59	9850593.27	3376.19	3377.29	3377.29
PZ-45	758216.26	9850587.78	3376.49	3374.47	3374.47
PZ-46	758206.61	9850130.18	3367.26	3365.70	3365.43
PZ-47	758148.60	9850164.10	3361.32	3359.95	3359.75
PZ-48	758184.14	9850186.36	3357.85	3356.05	3356.05
PZ-49	758406.31	9850205.75	3356.74	3354.73	3354.63
PZ-50	758438.18	9850231.93	3355.03	3353.13	3353.13
PZ-51	758452.16	9850305.90	3352.96	3351.71	3351.71
PZ-52	758500.53	9850388.85	3356.40	3354.80	3354.80
PZ-53	758147.81	9850454.21	3325.99	3324.19	3324.19
PZ-54	758837.18	9850502.14	3316.80	3314.50	3314.40
PZ-55	758875.45	9850533.33	3310.17	3308.35	3308.05
PZ-56	758916.33	9850559.60	3303.34	3301.51	3301.51
PZ-57	758949.22	9850587.43	3298.46	3296.53	3296.43
PZ-58	758980.41	9850620.37	3293.71	3291.43	3291.43
PZ-59	759015.41	9850628.99	3291.50	3289.72	3289.72
PZ-60	759050.02	9850684.86	3288.52	3284.53	3284.43
PZ-61	759080.52	9850699.73	3285.52	3280.46	3280.46
PZ-62	759126.88	9850781.59	3275.20	3272.96	3272.76
PZ-63	759208.28	9850804.68	3270.70	3268.15	3268.15
PZ-64	759294.03	9850822.72	3262.15	3260.21	3260.15
PZ-65	759311.64	9850834.48	3257.69	3256.59	3256.59
PZ-66	759415.14	9850863.11	3253.12	3251.32	3251.28
PZ-67	759451.06	9850902.50	3249.60	3248.16	3248.16
PZ-68	759482.03	9850987.77	3242.36	3241.18	3241.18

G.A.D. MUNICIPAL DEL CANTÓN TISALEO

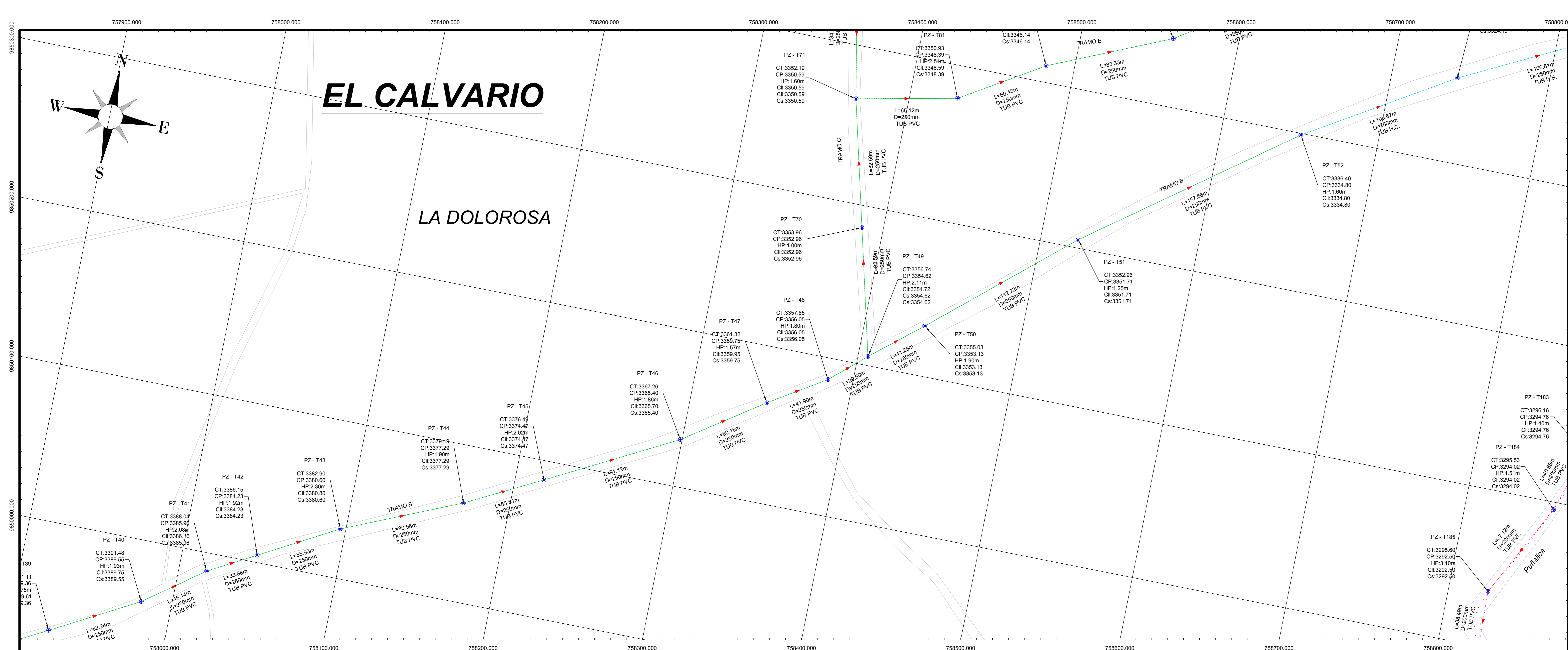
"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CUNTA, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTENIDO: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO.
 TRAMO B: BARRO LA DOLOROSA

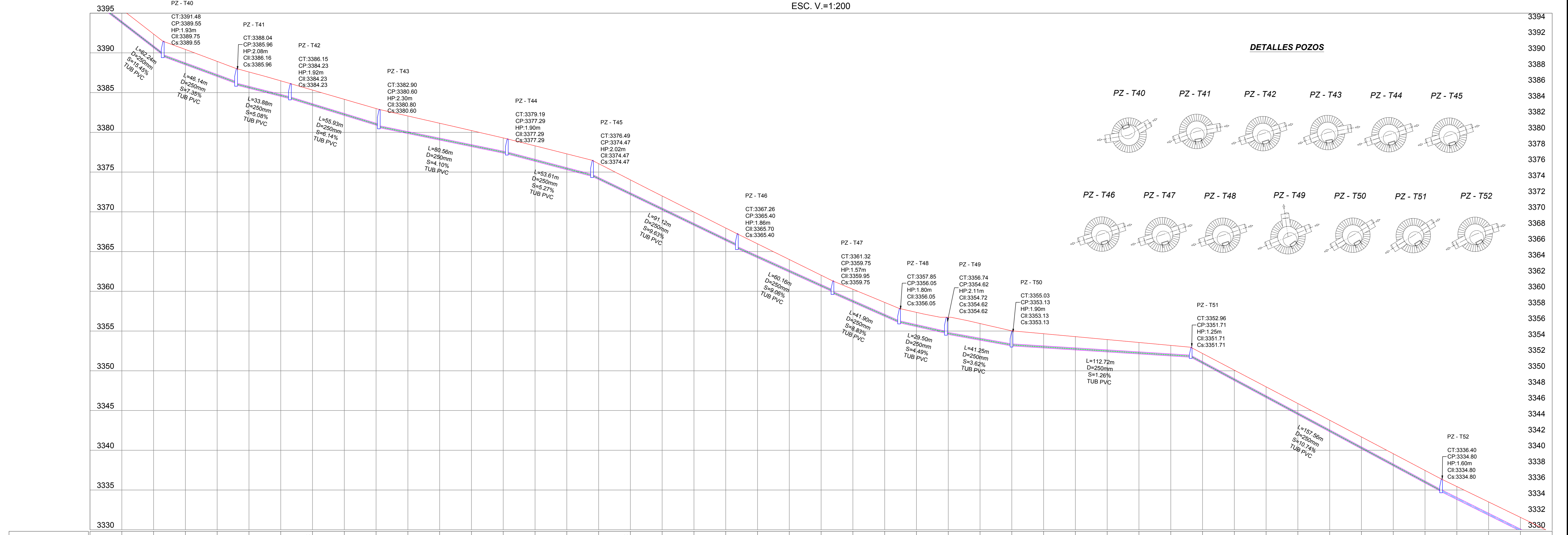
PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: EL CALVARIO

FECHA: OCTUBRE, 2022 ESCALA: 1:1000

ELABORADO POR: REVISADO POR: APROBADO POR: LÁMINA: LÁMINA 03
 Eglis Tania Bonita Testa Ing. Gato Núñez Tutor Ing. Gato Núñez Tutor TOTAL LÁMINAS: 30

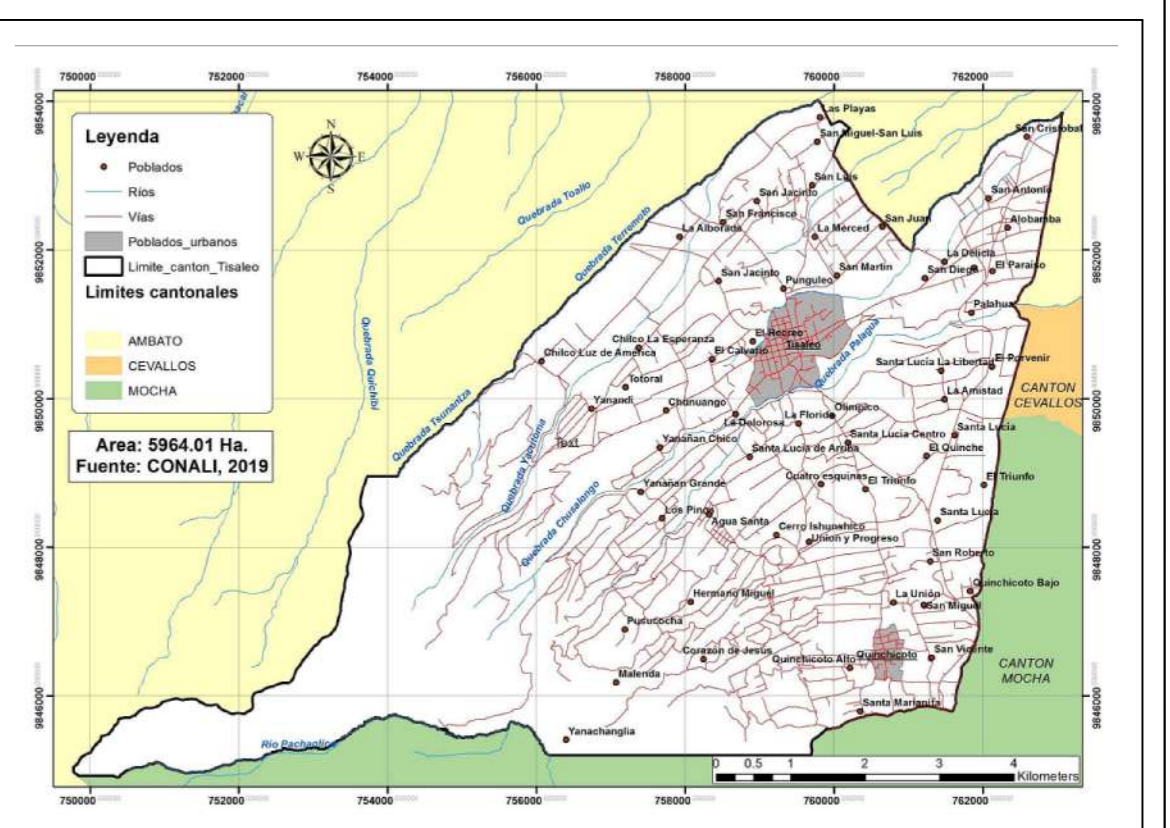


PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



COTA TERRENO	COTA PROYECTO	CORTE	ABSCISA
3393.72	3396.47	1.75	0+920
3390.03	3396.27	1.74	0+940
3388.50	3390.43	1.93	0+960
3387.03	3388.03	1.90	0+980
3385.54	3387.00	2.05	1+000
3384.63	3386.46	1.96	1+020
3383.36	3385.52	1.97	1+040
3382.13	3384.16	2.03	1+060
3380.90	3383.00	2.10	1+080
3379.85	3382.06	2.21	1+100
3378.21	3380.23	2.12	1+120
3377.39	3379.20	2.02	1+140
3376.36	3378.20	1.95	1+160
3375.50	3377.29	1.99	1+180
3374.07	3376.07	2.00	1+200
3372.14	3374.02	1.88	1+240
3370.22	3371.99	1.77	1+260
3368.29	3369.88	1.68	1+280
3366.37	3367.96	1.59	1+300
3364.22	3365.07	1.76	1+320
3362.41	3362.00	1.59	1+340
3360.60	3359.03	1.43	1+360
3359.81	3358.29	1.65	1+380
3358.85	3357.35	1.75	1+400
3355.56	3355.37	1.79	1+420
3354.57	3354.74	2.16	1+440
3353.85	3353.95	2.10	1+460
3353.13	3353.03	1.90	1+480
3352.68	3352.46	1.78	1+500
3352.63	3352.50	1.67	1+520
3352.37	3353.89	1.55	1+540
3352.12	3353.95	1.44	1+560
3351.67	3353.19	1.32	1+580
3350.91	3352.18	1.27	1+600
3348.76	3350.08	1.32	1+620
3346.61	3347.98	1.37	1+640
3344.47	3346.85	1.42	1+660
3342.32	3343.79	1.46	1+680
3340.17	3341.68	1.50	1+700
3338.02	3339.57	1.54	1+720
3335.88	3337.46	1.58	1+740
3333.81	3335.43	1.63	1+760
3331.62	3333.30	1.68	1+780
3329.03	3331.58	1.73	1+800

UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
 COORDENADAS UTM:
 759353.24 m E
 9850780.17 m S
 ALTURA REFERENCIAL:
 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENO
- CP COTA PROYECTO
- CII COTA DE LLEGADA
- Cs COTA DE SALIDA
- HP ALTURA DE POZO

RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO

POZO	ESTE (m)	NORTE (m)	L. TERRINO (m)	L. LLEGADA (m)	C. SALIDA (m)
PZ-1	75797.88	9850387.81	3374.75	3372.12	3372.75
PZ-2	75797.37	9850405.00	3374.61	3372.12	3372.75
PZ-3	758116.75	9850434.01	3373.43	3371.03	3370.93
PZ-4	758173.86	9850455.31	3372.07	3369.82	3369.82
PZ-5	758217.20	9850489.98	3371.03	3368.59	3368.59
PZ-6	758270.23	9850506.19	3367.74	3365.49	3365.49
PZ-7	758323.00	9850521.87	3366.66	3364.66	3364.66
PZ-8	758381.15	9850557.00	3366.18	3363.34	3363.34
PZ-9	758444.54	9850597.64	3364.44	3361.74	3361.74
PZ-10	758514.84	9850648.13	3363.43	3367.43	3367.43
PZ-11	758591.38	9850696.95	3361.48	3368.76	3368.76
PZ-12	758670.59	9850753.07	3362.02	3360.95	3360.95
PZ-13	758748.05	9850785.66	3363.73	3362.33	3362.33
PZ-14	758744.40	9850813.99	3368.15	3367.15	3367.15
PZ-15	758802.32	9850860.99	3316.16	3314.66	3314.66
PZ-16	758835.00	9850883.00	3306.16	3304.36	3304.36
PZ-17	758868.86	9850926.28	3296.36	3294.20	3293.80
PZ-18	758906.67	9850953.86	3291.69	3288.69	3288.69
PZ-19	758938.04	9850992.00	3287.45	3285.90	3285.70
PZ-20	758979.81	9851036.88	3281.75	3279.00	3279.00
PZ-21	759014.63	9851090.98	3278.29	3276.88	3276.88
PZ-22	759059.67	9851088.11	3275.11	3272.81	3272.81
PZ-23	759098.21	9851059.83	3271.52	3267.42	3267.23
PZ-24	759120.40	9851087.13	3270.64	3266.24	3266.24
PZ-25	759187.15	9851088.14	3265.91	3264.05	3262.65

LA PRIMERA

POZO	ESTE (m)	NORTE (m)	L. TERRINO (m)	L. LLEGADA (m)	C. SALIDA (m)
PZ-26	757130.89	9848657.83	3430.13	3428.57	3428.27
PZ-27	757190.05	9849590.99	3430.12	3427.11	3427.11
PZ-28	757231.70	9849599.33	3428.72	3427.11	3427.11
PZ-29	757216.71	9849640.41	3425.17	3423.46	3423.46
PZ-30	757292.70	9849665.44	3423.87	3422.24	3422.24
PZ-31	757377.62	9849685.23	3420.25	3418.65	3418.65
PZ-32	757531.52	9849713.54	3419.78	3418.18	3418.18
PZ-33	757574.78	9849728.00	3417.23	3415.62	3415.62
PZ-34	757632.09	9849753.80	3412.81	3412.84	3412.84
PZ-35	757695.88	9849784.10	3411.15	3409.35	3409.25
PZ-36	757760.20	9849820.35	3410.75	3408.29	3408.29
PZ-37	757818.74	9849871.90	3409.10	3406.43	3406.43
PZ-38	757874.78	9849924.08	3406.07	3404.85	3404.75
PZ-39	757926.86	9849981.42	3401.11	3401.61	3401.61
PZ-40	757980.55	9849986.13	3391.48	3389.75	3389.55
PZ-41	758017.66	9849986.11	3388.04	3388.04	3388.04
PZ-42	758047.51	9850004.65	3386.15	3384.23	3384.23
PZ-43	758096.52	9850031.99	3382.90	3380.60	3380.60
PZ-44	758170.59	9850063.27	3382.90	3377.29	3377.29
PZ-45	758218.26	9850087.78	3376.49	3374.47	3374.47
PZ-46	758266.01	9850130.18	3367.26	3365.70	3365.43
PZ-47	758348.60	9850164.10	3361.32	3359.95	3359.75
PZ-48	758384.14	9850186.36	3357.85	3356.05	3356.05
PZ-49	758406.31	9850205.75	3356.74	3354.73	3354.63
PZ-50	758438.18	9850231.93	3355.03	3353.13	3353.13
PZ-51	758452.76	9850255.50	3352.96	3351.71	3351.71
PZ-52	758490.53	9850288.85	3350.40	3344.80	3344.80
PZ-53	758514.63	9850344.21	3325.89	3324.19	3324.19
PZ-54	758537.18	9850302.14	3316.80	3314.50	3314.40
PZ-55	758575.15	9850333.33	3310.17	3308.30	3308.05
PZ-56	758616.13	9850359.96	3303.34	3301.51	3301.51
PZ-57	758649.22	9850387.43	3298.46	3296.53	3296.43
PZ-58	758690.41	9850407.37	3293.71	3291.43	3291.43
PZ-59	758715.41	9850428.99	3291.50	3289.72	3289.72
PZ-60	758762.84	9850464.84	3286.11	3284.43	3284.43
PZ-61	758809.52	9850499.73	3282.52	3280.46	3280.46
PZ-62	758826.88	9850521.59	3275.20	3272.96	3272.76
PZ-63	758828.29	9850544.88	3270.70	3268.15	3268.15
PZ-64	758834.03	9850522.72	3262.15	3260.21	3260.15
PZ-65	758871.04	9850536.42	3257.69	3255.29	3255.29
PZ-66	758915.14	9850553.11	3253.12	3251.32	3251.28
PZ-67	758941.06	9850582.50	3249.60	3248.16	3248.16
PZ-68	758952.03	9850587.77	3242.36	3241.18	3241.18

G.A.D. MUNICIPAL DEL CANTÓN TISALEO

CATÁSTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA

CONTENIDO: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO. TRAMO B. LA DOLOROSA.

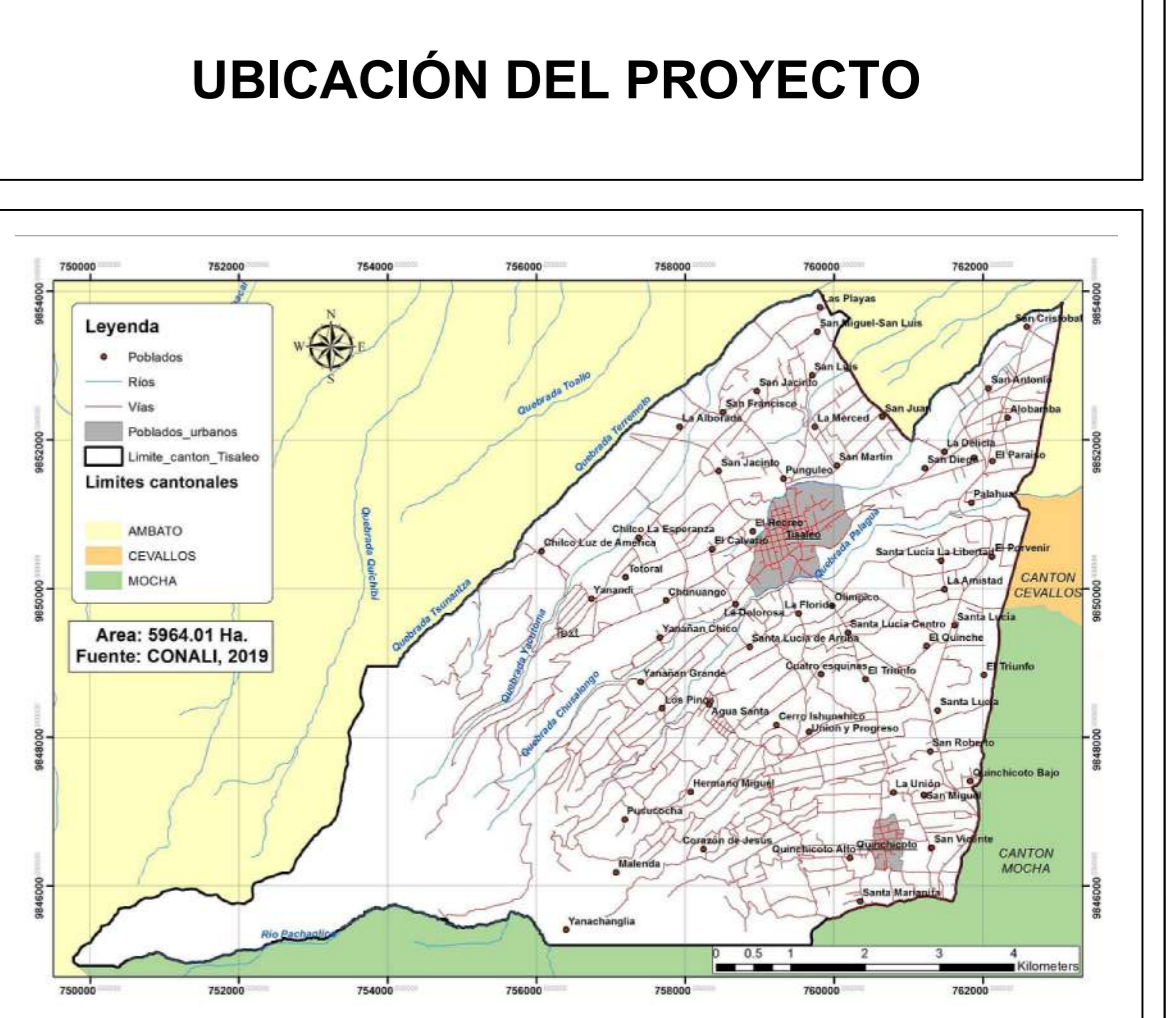
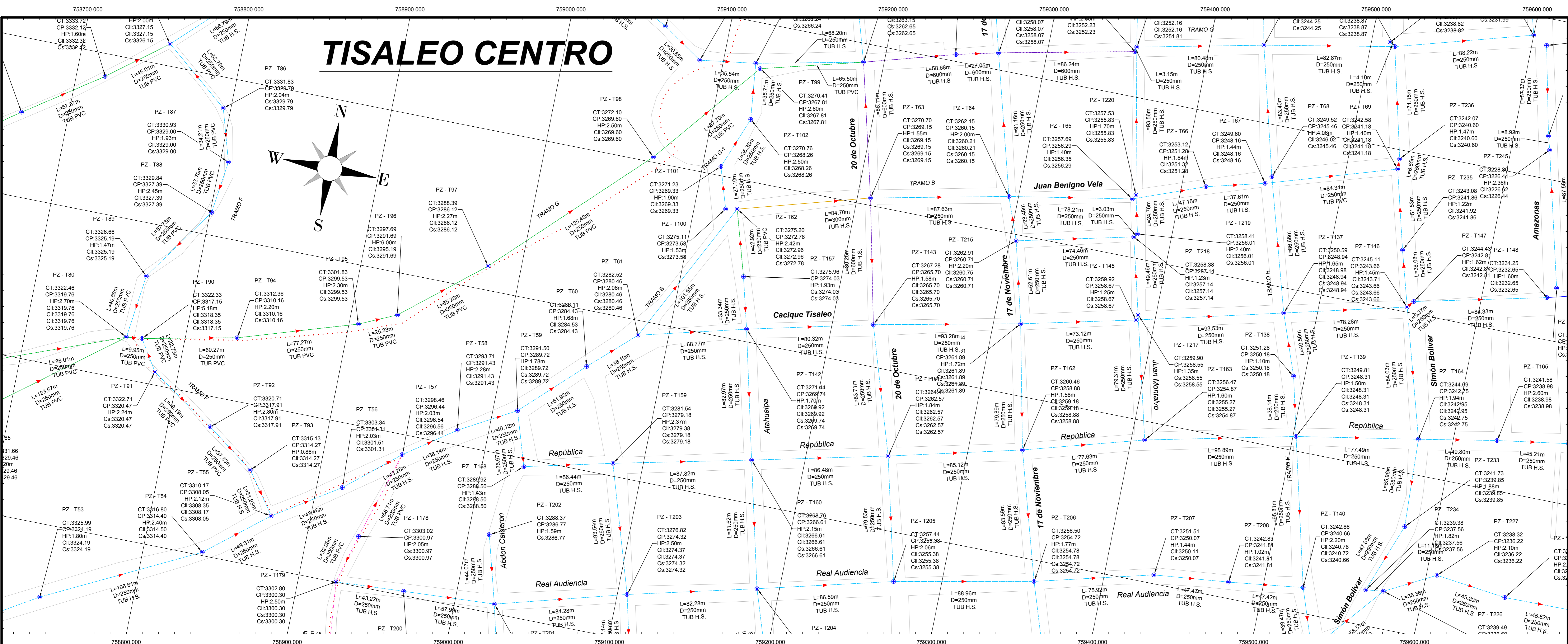
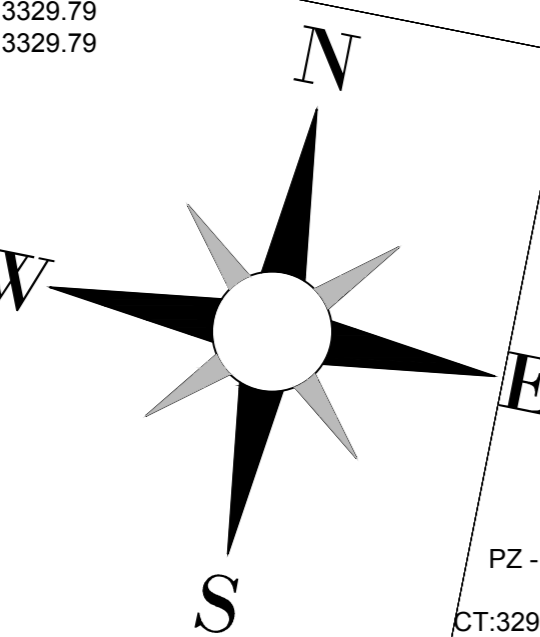
PROVINCIA: TUNGURAHUA. CANTÓN: TISALEO. SECTOR: EL CALVARIO.

FECHA: OCTUBRE, 2022. ESCALA: 1:1000.

ELABORADO POR: Ing. Gato Nuñez Tutor. REVISADO POR: Ing. Tutor. APROBADO POR: Ing. Tutor.

LÁMINA 04. TOTAL LÁMINAS: 30.

TISALEO CENTRO



UBICACIÓN DEL PROYECTO

DATUM: WGS84 ZONA 17S

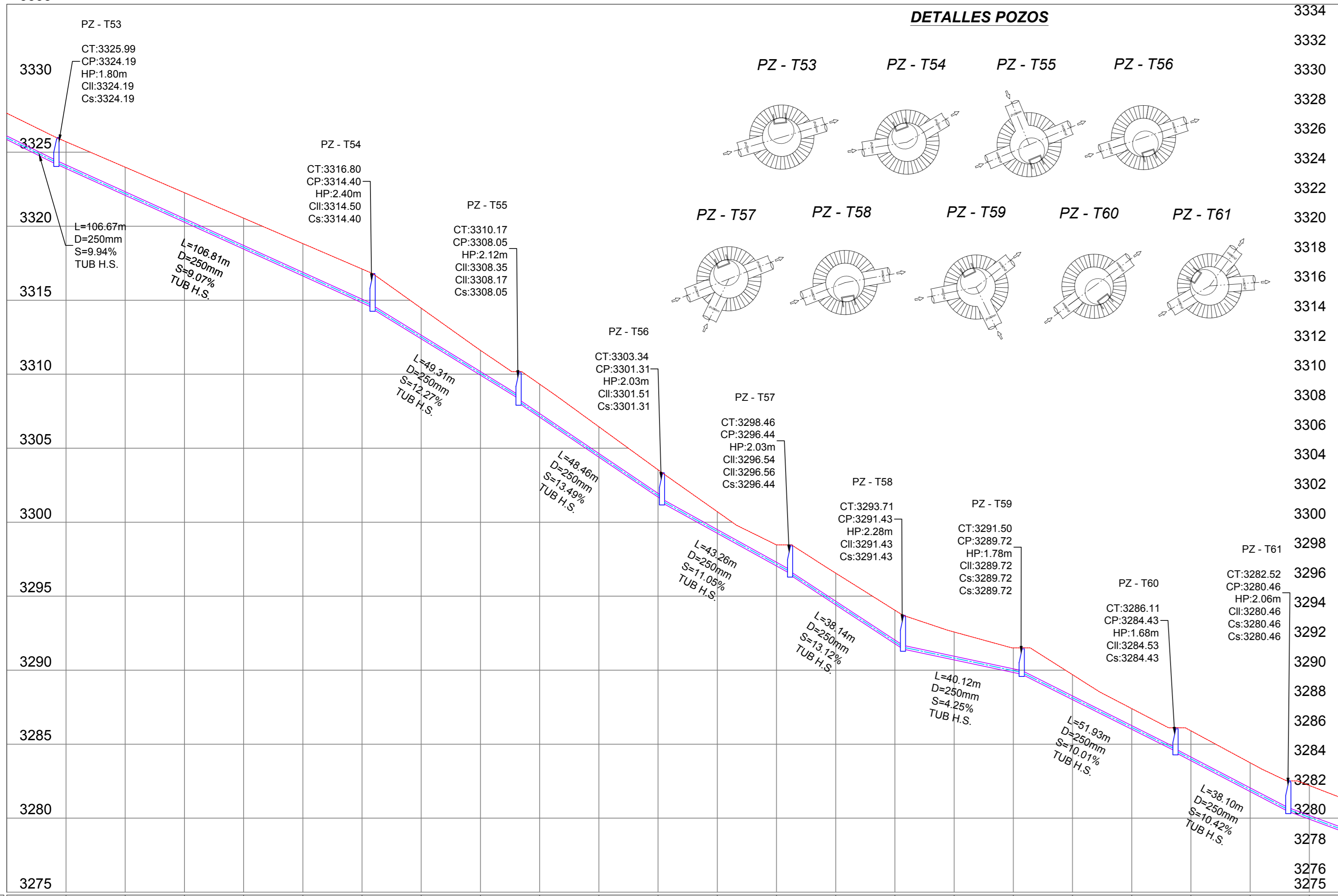
COORDENADAS UTM:
79353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

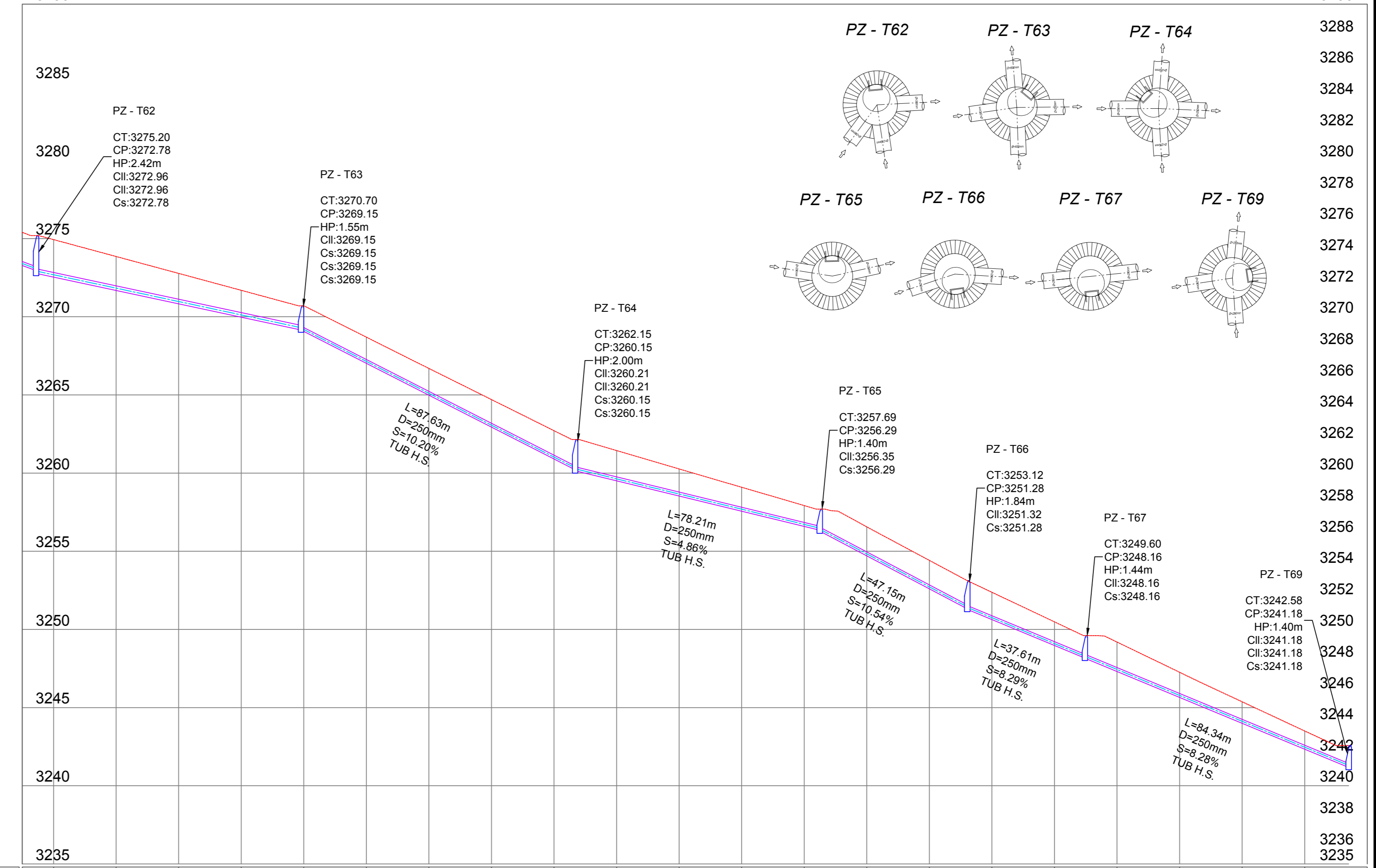
SIMBOLOGÍA

TUBERÍA PVC D = 200mm	---
TUBERÍA PVC D = 250mm	---
TUBERÍA PVC D = 300mm	---
TUBERÍA H.S. D = 250mm	---
TUBERÍA H.S. D = 300mm	---
TUBERÍA H.S. D = 400mm	---
TUBERÍA H.S. D = 600mm	---
POZO DE REVISIÓN	●
PERFIL DEL TERRENO	---
CALLES / VIAS	---
LÍMITES TERRITORIALES	---

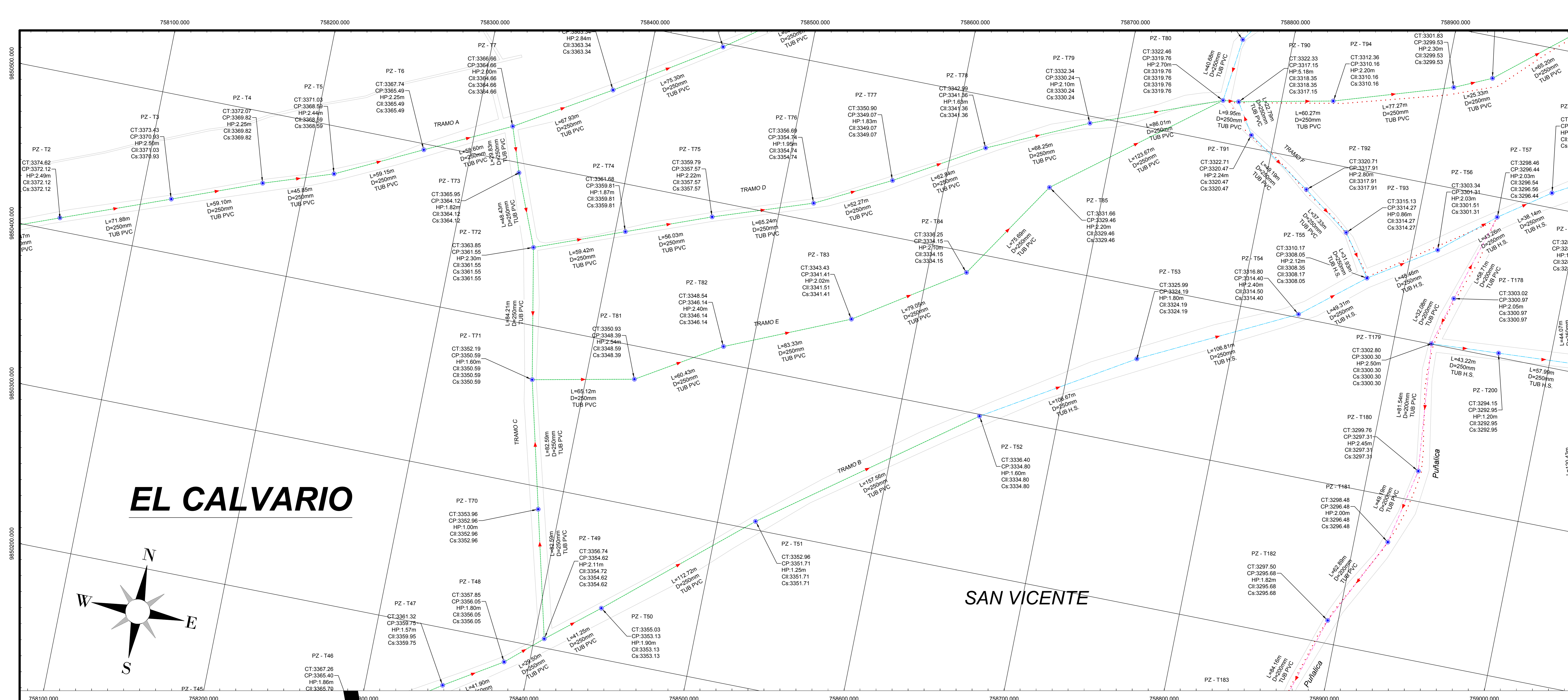
PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200

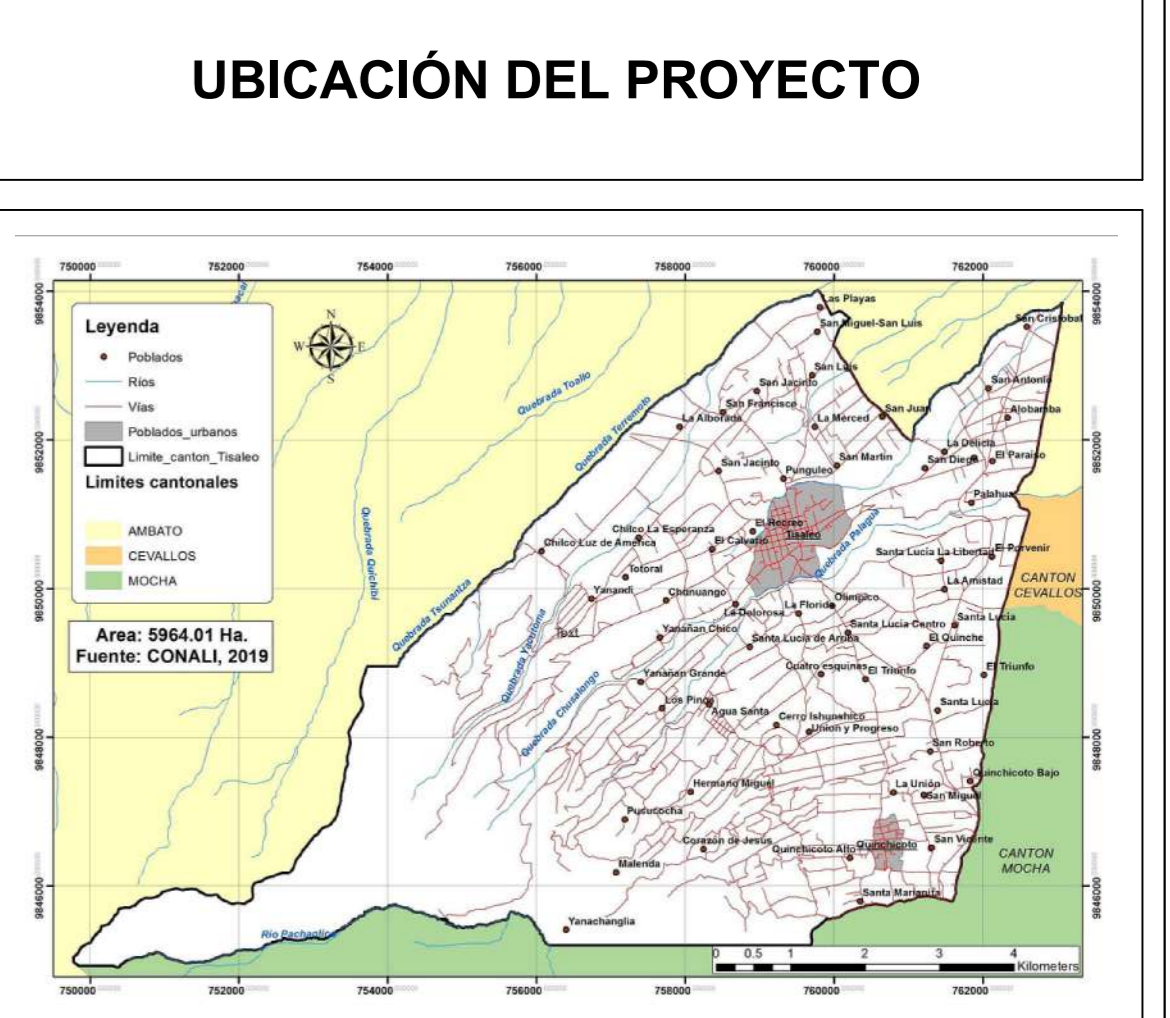
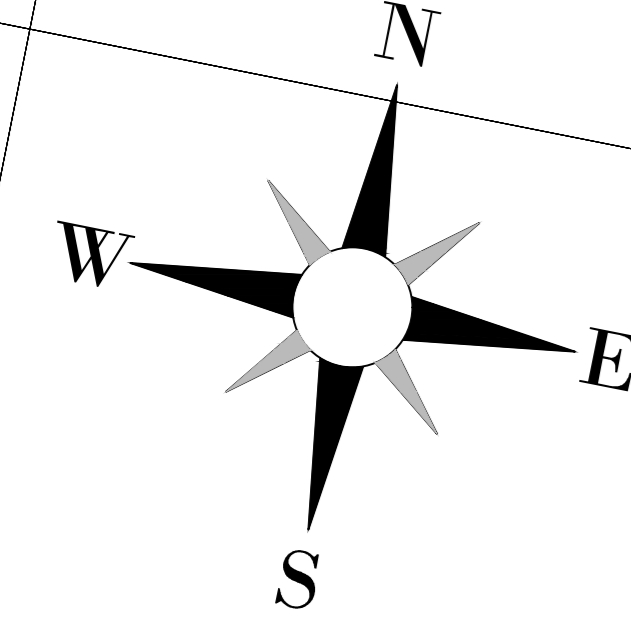


COTA TERRENO	3328.71	3328.99	3329.27	3329.55	3329.83	3330.11	3330.39	3330.67	3330.95	3331.23	3331.51	3331.79	3332.07	3332.35	3332.63	3332.91	3333.19	3333.47	3333.75	3334.03	3334.31	3334.59	3334.87	3335.15	3335.43	3335.71	3335.99	3336.27	3336.55	3336.83	3337.11	3337.39	3337.67	3337.95	3338.23	3338.51	3338.79	3339.07	3339.35	3339.63	3339.91	3340.19	3340.47	3340.75	3341.03	3341.31	3341.59	3341.87	3342.15	3342.43	3342.71	3342.99	3343.27	3343.55	3343.83	3344.11	3344.39	3344.67	3344.95	3345.23	3345.51	3345.79	3346.07	3346.35	3346.63	3346.91	3347.19	3347.47	3347.75	3348.03	3348.31	3348.59	3348.87	3349.15	3349.43	3349.71	3350.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
COTA PROYECTO	3328.89	3329.07	3329.25	3329.43	3329.61	3329.79	3330.00	3330.21	3330.42	3330.63	3330.84	3331.05	3331.26	3331.47	3331.68	3331.89	3332.10	3332.31	3332.52	3332.73	3332.94	3333.15	3333.36	3333.57	3333.78	3333.99	3334.20	3334.41	3334.62	3334.83	3335.04	3335.25	3335.46	3335.67	3335.88	3336.09	3336.30	3336.51	3336.72	3336.93	3337.14	3337.35	3337.56	3337.77	3337.98	3338.19	3338.40	3338.61	3338.82	3339.03	3339.24	3339.45	3339.66	3339.87	3340.08	3340.29	3340.50	3340.71	3340.92	3341.13	3341.34	3341.55	3341.76	3341.97	3342.18	3342.39	3342.60	3342.81	3343.02	3343.23	3343.44	3343.65	3343.86	3344.07	3344.28	3344.49	3344.70	3344.91	3345.12	3345.33	3345.54	3345.75	3345.96	3346.17	3346.38	3346.59	3346.80	3347.01	3347.22	3347.43	3347.64	3347.85	3348.06	3348.27	3348.48	3348.69	3348.90	3349.11	3349.32	3349.53	3349.74	3349.95	3350.16	3350.37	3350.58	3350.79	3351.00	3351.21	3351.42	3351.63	3351.84	3352.05	3352.26	3352.47	3352.68	3352.89	3353.10	3353.31	3353.52	3353.73	3353.94	3354.15	3354.36	3354.57	3354.78	3354.99	3355.20	3355.41	3355.62	3355.83	3356.04	3356.25	3356.46	3356.67	3356.88	3357.09	3357.30	3357.51	3357.72	3357.93	3358.14	3358.35	3358.56	3358.77	3358.98	3359.19	3359.40	3359.61	3359.82	3360.03	3360.24	3360.45	3360.66	3360.87	3361.08	3361.29	3361.50	3361.71	3361.92	3362.13	3362.34	3362.55	3362.76	3362.97	3363.18	3363.39	3363.60	3363.81	3364.02	3364.23	3364.44	3364.65	3364.86	3365.07	3365.28	3365.49	3365.70	3365.91	3366.12	3366.33	3366.54	3366.75	3366.96	3367.17	3367.38	3367.59	3367.80	3368.01	3368.22	3368.43	3368.64	3368.85	3369.06	3369.27	3369.48	3369.69	3369.90	3370.11	3370.32	3370.53	3370.74	3370.95	3371.16	3371.37	3371.58	3371.79	3372.00	3372.21	3372.42	3372.63	3372.84	3373.05	3373.26	3373.47	3373.68	3373.89	3374.10	3374.31	3374.52	3374.73	3374.94	3375.15	3375.36	3375.57	3375.78	3375.99	3376.20	3376.41	3376.62	3376.83	3377.04	3377.25	3377.46	3377.67	3377.88	3378.09	3378.30	3378.51	3378.72	3378.93	3379.14	3379.35	3379.56	3379.77	3379.98	3380.19	3380.40	3380.61	3380.82	3381.03	3381.24	3381.45	3381.66	3381.87	3382.08	3382.29	3382.50	3382.71	3382.92	3383.13	3383.34	3383.55	3383.76	3383.97	3384.18	3384.39	3384.60	3384.81	3385.02	3385.23	3385.44	3385.65	3385.86	3386.07	3386.28	3386.49	3386.70	3386.91	3387.12	3387.33	3387.54	3387.75	3387.96	3388.17	3388.38	3388.59	3388.80	3389.01	3389.22	3389.43	3389.64	3389.85	3390.06	3390.27	3390.48	3390.69	3390.90	3391.11	3391.32	3391.53	3391.74	3391.95	3392.16	3392.37	3392.58	3392.79	3393.00	3393.21	3393.42	3393.63	3393.84	3394.05	3394.26	3394.47	3394.68	3394.89	3395.10	3395.31	3395.52	3395.73	3395.94	3396.15	3396.36	3396.57	3396.78	3396.99	3397.20	3397.41	3397.62	3397.83	3398.04	3398.25	3398.46	3398.67	3398.88	3399.09	3399.30	3399.51	3399.72	3399.93	3400.14	3400.35	3400.56	3400.77	3400.98	3401.19	3401.40	3401.61	3401.82	3402.03	3402.24	3402.45	3402.66	3402.87	3403.08	3403.29	3403.50	3403.71	3403.92	3404.13	3404.34	3404.55	3404.76	3404.97	3405.18	3405.39	3405.60	3405.81	3406.02	3406.23	3406.44	3406.65	3406.86	3407.07	3407.28	3407.49	3407.70	3407.91	3408.12	3408.33	3408.54	3408.75	3408.96	3409.17	3409.38	3409.59	3409.80	3410.01	3410.22	3410.43	3410.64	3410.85	3411.06	3411.27	3411.48	3411.69	3411.90	3412.11	3412.32	3412.53	3412.74	3412.95	3413.16	3413.37	3413.58	3413.79	3414.00	3414.21	3414.42	3414.63	3414.84	3415.05	3415.26	3415.47	3415.68	3415.89	3416.10	3416.31	3416.52	3416.73	3416.94	3417.15	3417.36	3417.57	3417.78	3417.99	3418.20	3418.41	3418.62	3418.83	3419.04	3419.25	3419.46	3419.67	3419.88	3420.09	3420.30	3420.51	3420.72	3420.93	3421.14	3421.35	3421.56	3421.77	3421.98	3422.19	3422.40	3422.61	3422.82	3423.03	3423.24	3423.45	3423.66	3423.87	3424.08	3424.29	3424.50	3424.71	3424.92	3425.13	3425.34	3425.55	3425.76	3425.97	3426.18	3426.39	3426.60	3426.81	3427.02	3427.23	3427.44	3427.65	3427.86	3428.07	3428.28	3428.49	3428.70	3428.91	3429.12	3429.33	3429.54	3429.75	3429.96	3430.17	3430.38	3430.59	3430.80	3431.01	3431.22	3431.43	3431.64	3431.85	3432.06	3432.27	3432.48	3432.69	3432.90	3433.11	3433.32	3433.53	3433.74	3433.95	3434.16	3434.37	3434.58	3434.79	3435.00	3435.21	3435.42	3435.63	3435.84	3436.05	3436.26	3436.47	3436.68	3436.89	3437.10	3437.31	3437.52	3437.73	3437.94	3438.15	3438.36	3438.57	3438.78	3438.99	3439.20	3439.41	3439.62	3439.83	3440.04	3440.25	3440.46	3440.67	3440.88	3441.09	3441.30	3441.51	3441.72	3441.93	3442.14	3442.35	3442.56	3442.77	3442.98	3443.19	3443.40	3443.61	3443.82	3444.03	3444.24	3444.45	3444.66	3444.87	3445.08	3445.29	3445.50	3445.71	3445.92	3446.13	3446.34	3446.55	3446.76	3446.97	3447.18	3447.39	3447.60	3447.81	3448.02	3448.23	3448.44	3448.65	3448.86	3449.07	3449.28	3449.49	3449.70	3449.91	3450.12	3450.33	3450.54	3450.75	3450.96	3451.17	3451.38	3451.59	3451.80	3452.01	3452.22	3452.43	3452.64	3452.85	3453.06	3453.27	3453.48	3453.69	3453.90	3454.11	3454.32	3454.53	3454.74	3454.95	3455.16	3455.37	3455.58	3455.79	3456.00	3456.21	3456.42	3456.63	3456.84	3457.05	3457.26	3457.47	3457.68	3457.89	3458.10	3458.31	3458.52	3458.73	3458.94	3459.15	3459.36	3459.57	3459.78	3459.99	3460.20	3460.41	3460.62	3460.83	3461.04	3461.25	3461.46	3461.67	3461.88	3462.09	3462.30	3462.51	3462.72	3462.93	3463.14	3463.35	3463.56	3463.77	3463.98	3464.19	3464.40	3464.61	3464.82	3465.03	3465.24	3465.45	3465.66	3465.87	3466.08	3466.29	3466.50	3466.71	3466.92	3467.13	3467.34	3467.55	3467.76	3467.97	3468.18	3468.39	3468.60	3468.81	3469.02	3469.23	3469.44	3469.65	3469.86	3470.07	3470.28	3470.49	3470.70	3470.91	3471.12	3471.33	3471.54	3471.75	3471.96	3472.17	3472.38	3472.59	3472.80	3473.01	3473.22	3473.43	3473.64	3473.85	3474.06	3474.27	3474.48	3474.69	3474.90	3475.11	3475.32	3475.53	3475.74	3475.95	3476.16	3476.37	3476.58	3476.79	3477.00	3477.21	3477.42	3477.63	3477.84	3478.05	3478.26	3478.47	3478.68	3478.89	3479.10	3479.31	3479.52	3479.73	3479.94	3480.15	3480.36	3480.57	3480.78	3480.99	3481.20	3481.41	3481.62	3481.83	3482.04	3482.25	3482.46	3482.67	3482.88	3483.09	3483.30	3483.51	3483.72	3483.93	3484.14	3484.35	3484.56	3484.77	3484.98	3485.19	3485.40	3485.61	3485.82	3486.03	3486.24	3486.45	3486.66	3486.87	3487.08	3487.29	3487.50	3487.71	3487.92	3488.13	3488.34	3488.55	3488.76	3488.97	3489.18	3489.39	3489.60	3489.81	3490.02	3490.23	3490.44	3490.65	3490.86	3491.07	3491.28	3491.49	3491.70	3491.91	3492.12	3492.33	34



EL CALVARIO

SAN VICENTE



DATOS GEográfICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

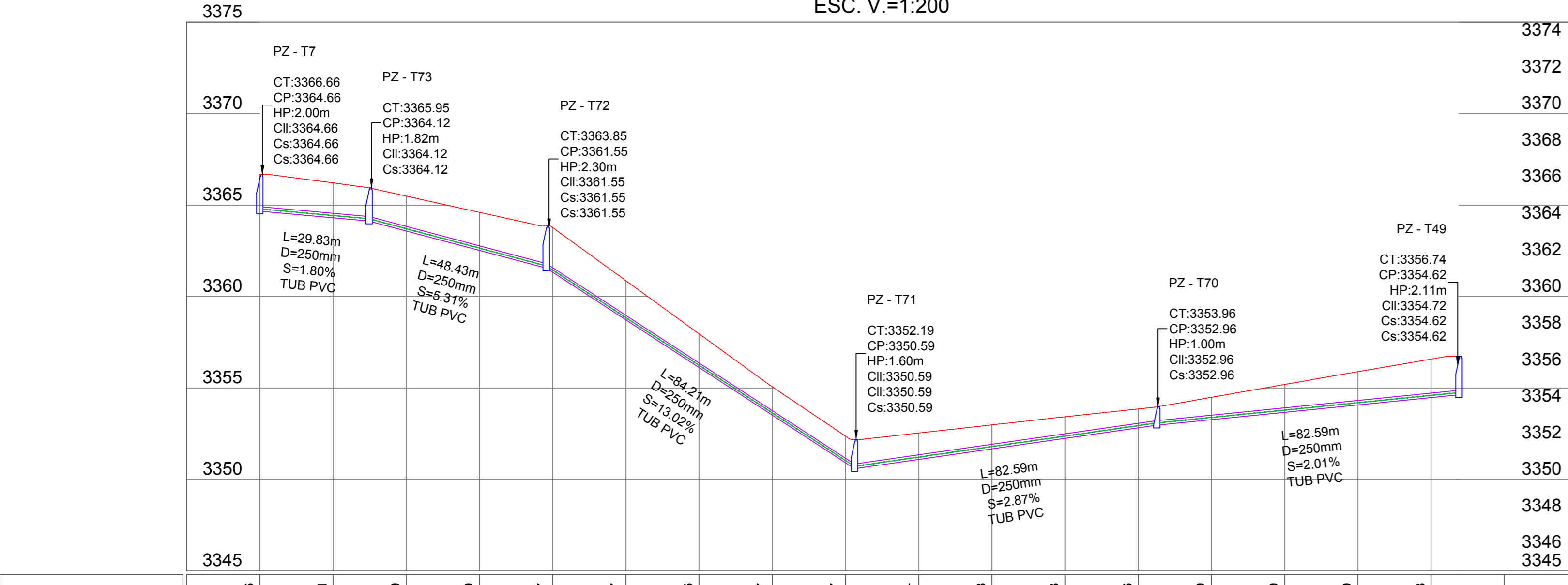
TUBERÍA PVC D = 200mm	---
TUBERÍA PVC D = 250mm	---
TUBERÍA H.S. D = 250mm	---
TUBERÍA H.S. D = 300mm	---
TUBERÍA H.S. D = 400mm	---
TUBERÍA H.S. D = 600mm	---
POZO DE REVISIÓN	⊙
PERFIL DEL TERRENO	---
CALLES / VÍAS	---
LÍMITES TERRITORIALES	---

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CII	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

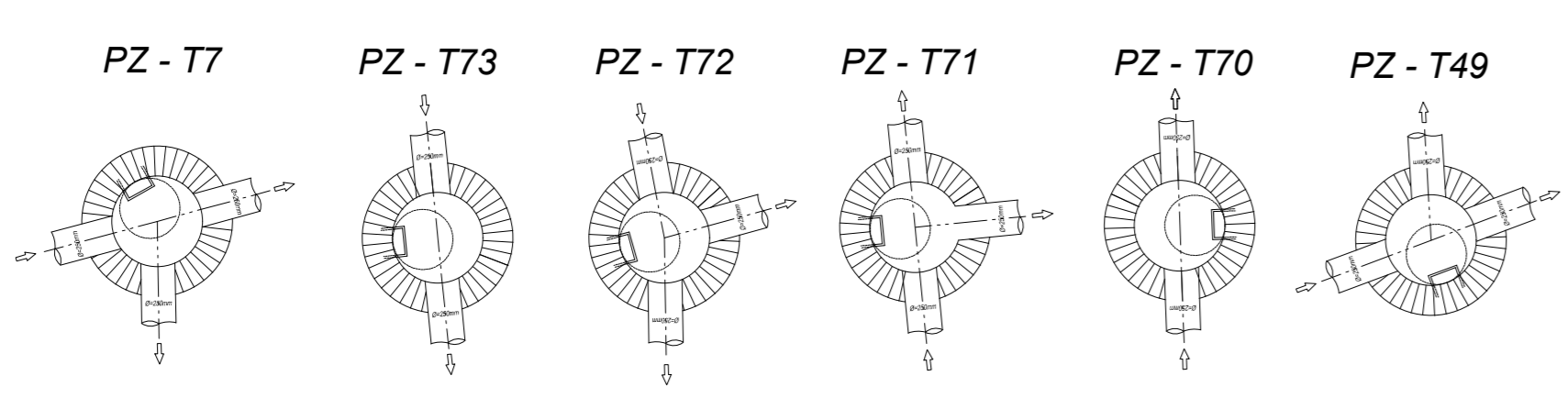
RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO LA DOLOROSA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO A					
PZ-17	758323.00	9850521.87	3366.66	-	3364.66
PZ-173	758332.66	9850493.65	3365.95	3364.13	3364.13
PZ-172	758550.98	9850448.82	3363.85	3361.55	3361.55
PZ-171	758366.61	9850266.08	3352.19	3350.59	3350.59
PZ-149	758406.31	9850205.75	3356.74	3354.63	3354.63
PZ-170	758396.46	9850265.91	3353.98	3352.96	3352.96
PZ-171	758366.61	9850266.08	3352.19	3350.59	3350.59
TRAMO B					
PZ-172	758350.98	9850448.82	3363.85	-	3361.55
PZ-174	758406.46	9850470.10	3361.68	3359.81	3359.81
PZ-175	758458.80	9850490.10	3359.79	3357.56	3357.57
PZ-176	758200.50	9850511.29	3366.69	3364.74	3364.74
PZ-177	758566.85	9850525.25	3359.90	3349.07	3349.07
PZ-178	758621.10	9850567.13	3342.99	3341.36	3341.36
PZ-179	758683.14	9850595.57	3332.34	3330.24	3330.24
PZ-180	758763.46	9850626.33	3322.46	3319.76	3319.76
TRAMO C					
PZ-171	758366.61	9850266.08	3352.19	-	3350.59
PZ-181	758430.42	9850310.07	3350.93	3348.59	3348.59
PZ-182	758481.99	9850410.55	3348.54	3346.14	3346.14
PZ-183	758558.51	9850443.55	3343.43	3341.51	3341.41
PZ-184	758624.58	9850486.98	3338.25	3334.15	3334.15
PZ-185	758695.83	9850530.42	3333.66	3329.46	3329.46
PZ-180	758763.46	9850626.33	3322.46	3319.76	3319.76
TRAMO D					
PZ-186	758795.31	9850780.50	3331.83	-	3329.79
PZ-114	758754.40	9850813.86	3328.15	3327.15	3326.15
PZ-186	758795.31	9850780.50	3331.83	-	3329.79
PZ-187	758805.15	9850747.73	3330.93	3329.00	3329.00
PZ-188	758800.96	9850714.30	3329.84	3327.39	3327.39
PZ-189	758769.25	9850686.73	3328.66	3325.19	3325.19
PZ-180	758763.46	9850626.33	3322.46	3319.76	3319.76
PZ-190	758773.35	9850627.42	3322.33	3318.35	3317.15
PZ-191	758785.51	9850608.15	3322.71	-	3320.47
PZ-190	758773.35	9850627.42	3322.33	3318.35	3317.15
PZ-191	758785.51	9850608.15	3322.71	-	3320.47
PZ-192	758826.56	9850581.05	3320.71	3317.91	3317.91
PZ-193	758856.78	9850559.13	3314.97	3314.27	3314.27
PZ-195	758875.45	9850533.23	3310.17	3308.17	3308.05

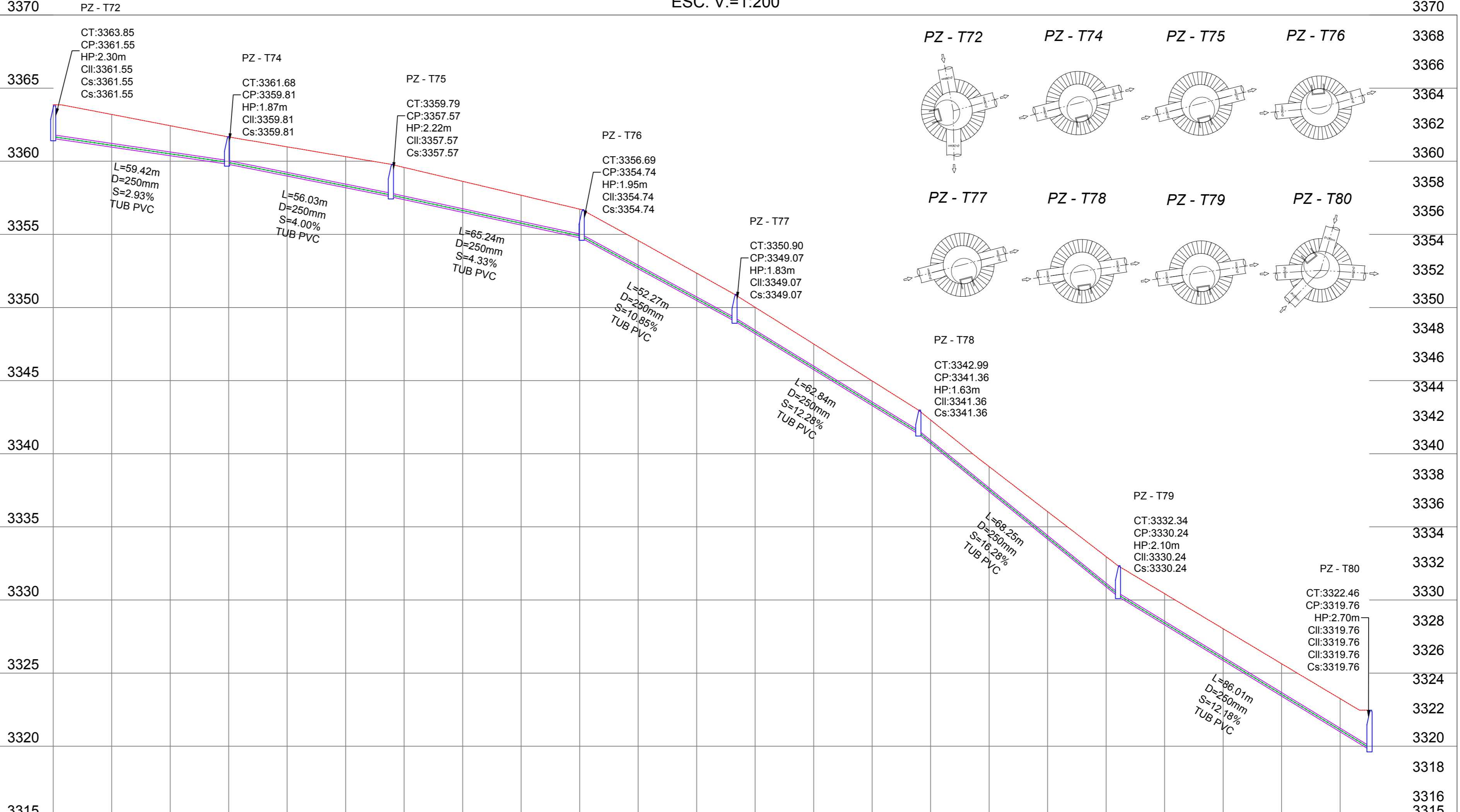
PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200



COTA TERRENO	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340
COTA TERRENO	3364.66	3364.66	3364.66	3364.66	3364.66	3364.66	3364.66	3364.66	3364.66	3364.66	3364.66	3364.66	3364.66	3364.66	3364.66	3364.66	3364.66	3364.66
COTA PROYECTO	3364.66	3364.30	3364.21	3364.56	3364.52	3364.60	3364.60	3364.60	3364.60	3364.60	3364.60	3364.60	3364.60	3364.60	3364.60	3364.60	3364.60	3364.60
CORTE	2.00	1.91	1.91	2.08	2.45	2.15	1.84	1.55	1.46	1.44	1.31	1.18	1.04	1.22	1.53	1.82	2.10	
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340



PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200



COTA TERRENO	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460
COTA TERRENO	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85	3363.85
COTA PROYECTO	3363.85	3363.07	3363.20	3363.43	3363.66	3363.89	3364.12	3364.35	3364.58	3364.81	3365.04	3365.27	3365.50	3365.73	3365.96	3366.19	3366.42	3366.65	3366.88	3367.11	3367.34	3367.57	3367.80	3368.03
CORTE	2.30	2.23	2.05	1.87	2.00	2.13	2.21	2.12	2.04	1.95	1.93	1.87	1.81	1.76	1.69	1.64	1.71	1.88	2.06	2.13	2.17	2.22	2.27	
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO, TRAMO C, TRAMO D.

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: EL CALVARIO

UNIVERSIDAD TÉCNICA DE AMBATO FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA CÁTEDRA DE INGENIERÍA CIVIL

FECHA: OCTUBRE, 2022

ELABORADO POR: Ing. Gato Núñez Tutor

REVISADO POR: Ing. Gato Núñez Tutor

APROBADO POR: Ing. Gato Núñez Tutor

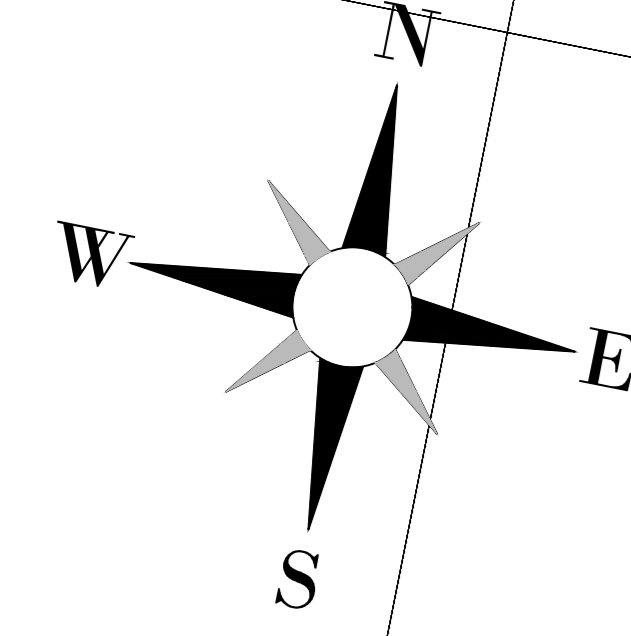
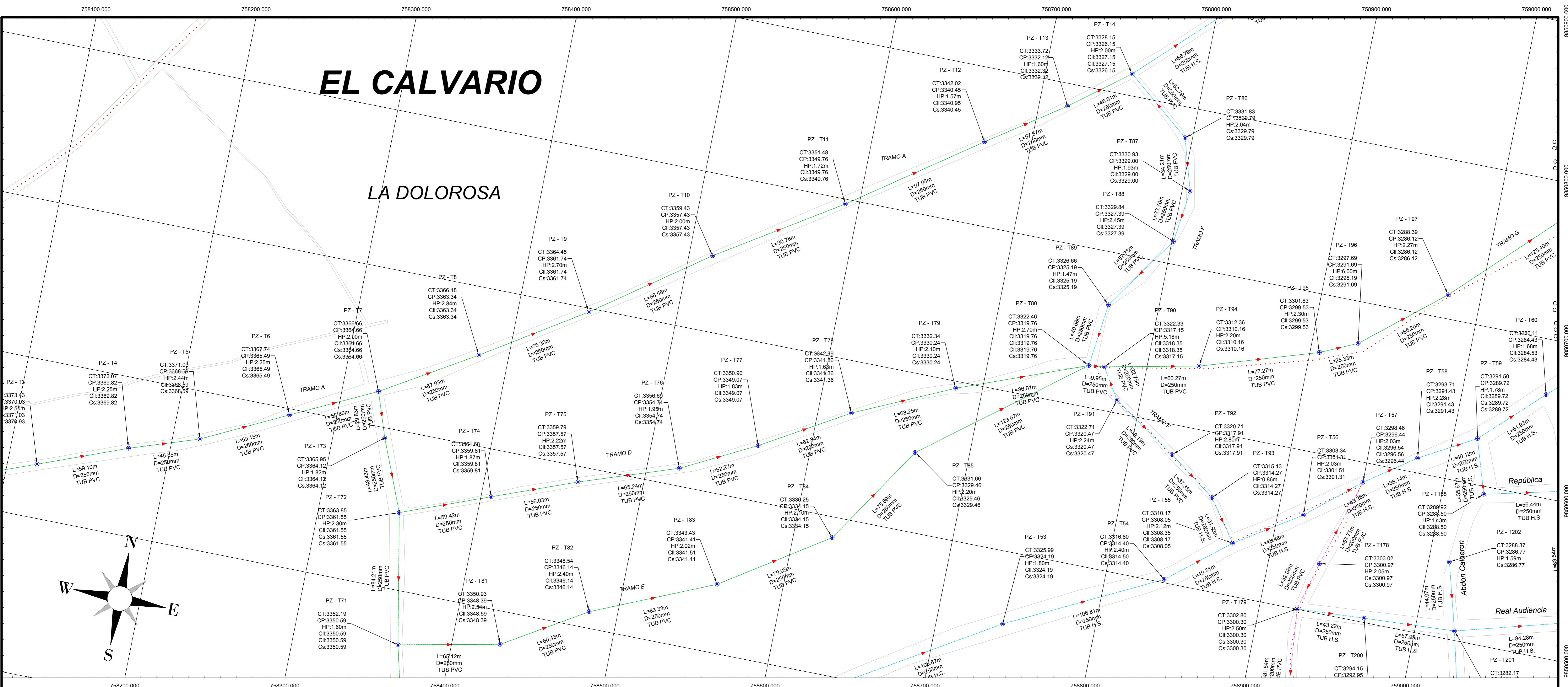
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LÁMINA: LÁMINA 06

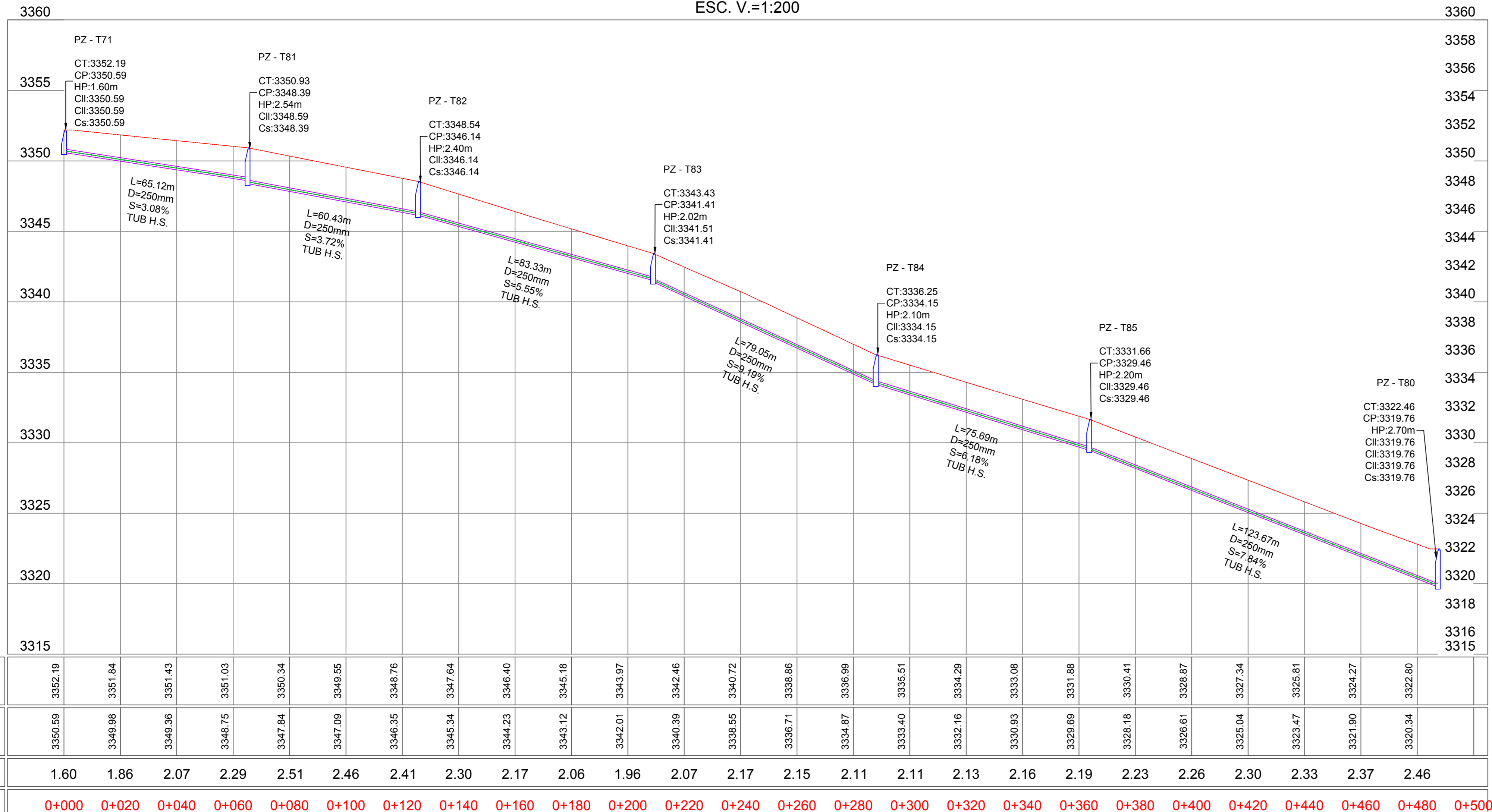
TOTAL LÁMINAS: 30

EL CALVARIO

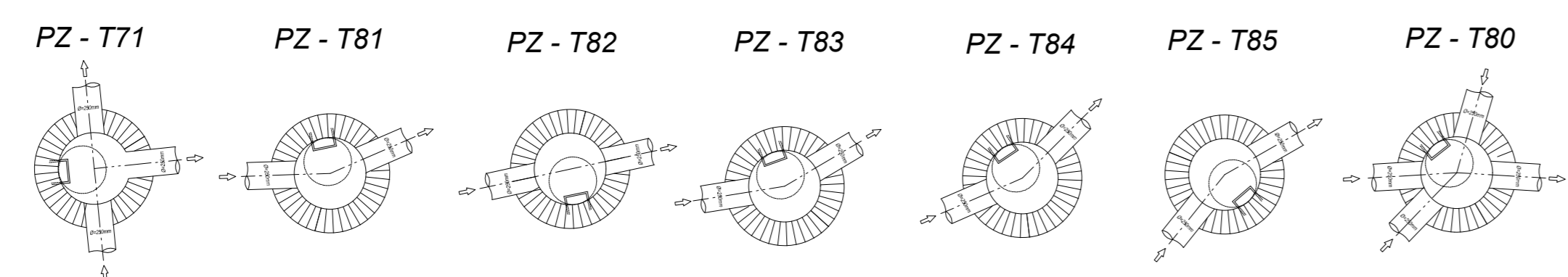
LA DOLOROSA



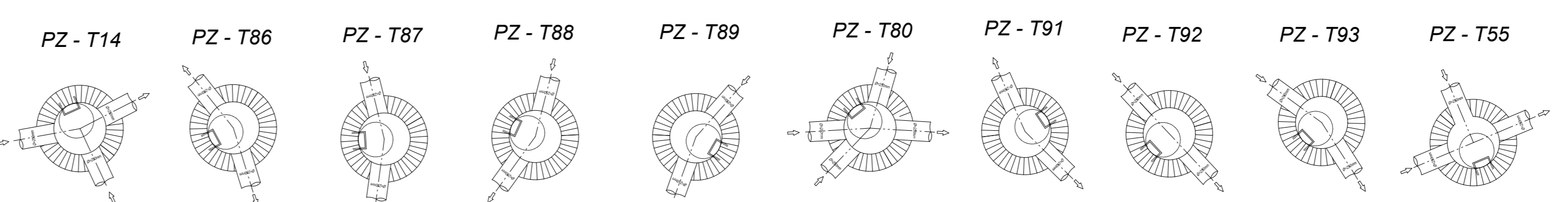
PERFIL LONGITUDINAL
ESC. H=1:1000
ESC. V=1:200



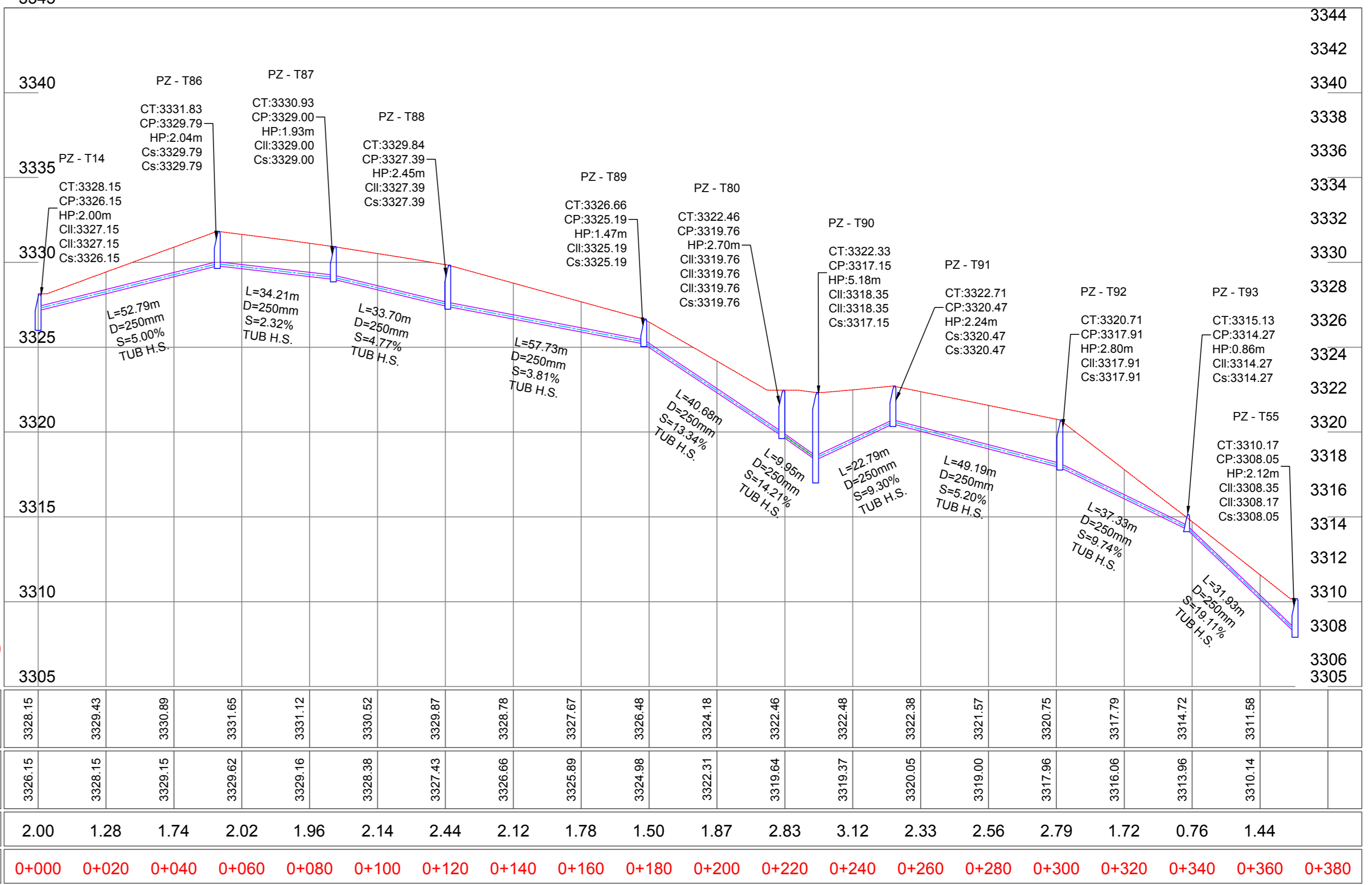
DETALLES POZOS



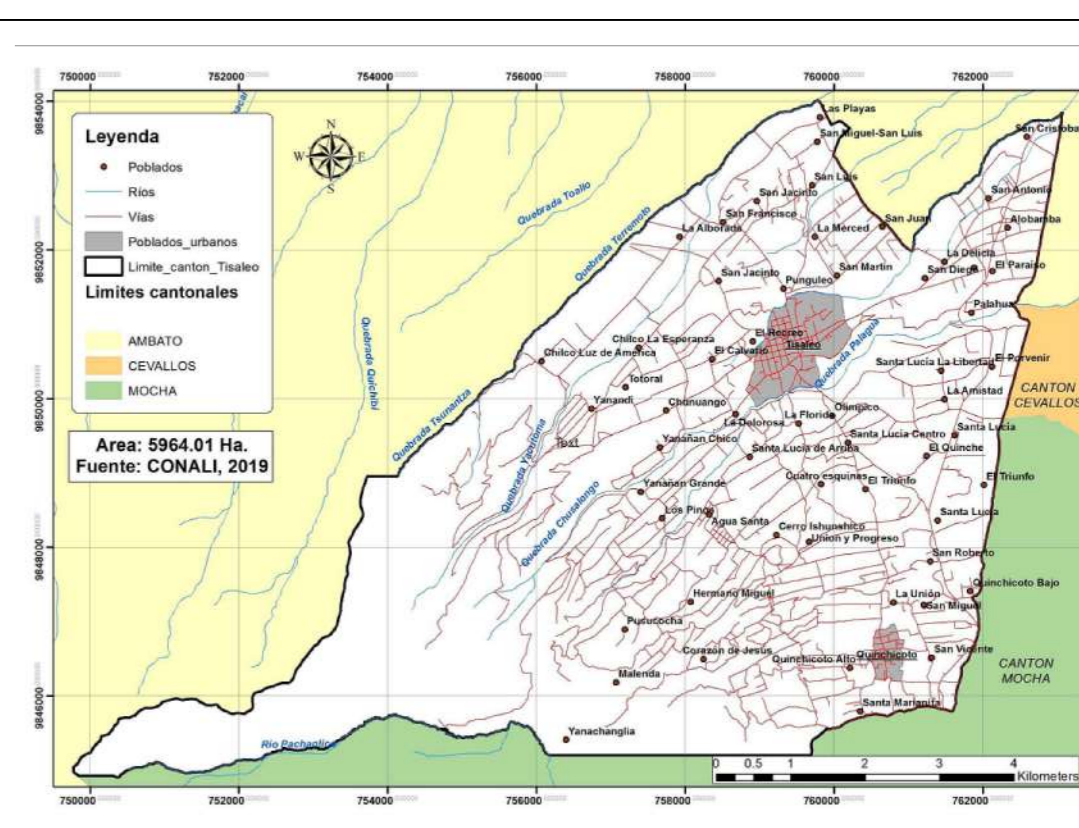
DETALLES POZOS



PERFIL LONGITUDINAL
ESC. H=1:1000
ESC. V=1:200



UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM:
759353.24 m E
9850780.17 m S
ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA PVC D = 300mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VIAS
- LÍMITES TERRITORIALES

- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENO
- CP COTA PROYECTO
- CII COTA DE LLEGADA
- Cs COTA DE SALIDA
- HP ALTURA DE POZO

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO A					
PZ-T17	758323.00	9850521.87	3306.66	-	3364.66
PZ-T73	758332.66	9850493.65	3305.95	3364.13	3364.13
PZ-T72	758550.98	9850448.82	3303.85	3361.55	3361.55
PZ-T71	758366.61	9850506.08	3352.19	3350.59	3350.59
PZ-T49	758406.31	9850205.75	3356.74	-	3354.63
PZ-T70	758396.46	9850295.91	3353.98	3352.96	3352.96
PZ-T71	758366.61	9850506.08	3352.19	3350.59	3350.59
TRAMO D					
PZ-T72	758350.98	9850448.82	3303.85	-	3361.55
PZ-T74	758406.46	9850470.10	3361.68	3359.81	3359.81
PZ-T75	758458.80	9850480.10	3359.79	3357.56	3357.56
PZ-T76	758520.50	9850511.29	3306.69	3354.74	3354.74
PZ-T77	758566.95	9850535.25	3350.90	3349.07	3349.07
PZ-T78	758621.10	9850567.13	3342.99	3341.36	3341.36
PZ-T79	758683.14	9850595.57	3332.34	3330.24	3330.24
PZ-T80	758763.46	9850526.33	3322.46	3319.76	3319.76
TRAMO E					
PZ-T71	758366.61	9850506.08	3352.19	-	3350.59
PZ-T81	758340.42	9850379.07	3350.93	3348.59	3348.59
PZ-T82	758481.99	9850410.55	3348.54	3346.14	3346.14
PZ-T83	758558.51	9850443.55	3343.43	3341.51	3341.51
PZ-T84	758626.58	9850486.98	3336.25	3334.15	3334.15
PZ-T85	758695.83	9850520.42	3331.66	3329.46	3329.46
PZ-T80	758763.46	9850526.33	3322.46	3319.76	3319.76
TRAMO F					
PZ-T86	758795.31	9850780.50	3331.83	-	3329.79
PZ-T14	758754.40	9850813.86	3328.15	3327.15	3328.15
PZ-T86	758795.31	9850780.50	3331.83	-	3329.79
PZ-T87	758805.15	9850747.73	3330.93	3329.00	3329.00
PZ-T88	758800.96	9850714.30	3329.84	3327.39	3327.39
PZ-T89	758769.25	9850686.73	3326.95	3325.19	3325.19
PZ-T80	758763.46	9850526.33	3322.46	3319.76	3319.76
PZ-T90	758773.35	9850527.42	3322.33	3318.35	3317.15
PZ-T91	758785.51	9850508.15	3322.71	-	3320.47
PZ-T90	758773.35	9850527.42	3322.33	3318.35	3317.15
PZ-T91	758785.51	9850508.15	3322.71	-	3320.47
PZ-T92	758826.56	9850581.05	3320.71	3317.91	3317.91
PZ-T93	758856.78	9850559.13	3314.97	3314.27	3314.27
PZ-T95	758875.45	9850533.23	3310.17	3308.17	3308.05

G.A.D. MUNICIPAL DEL CANTON TISALEO
"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDABANA, SANTA LUCÍA-LA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

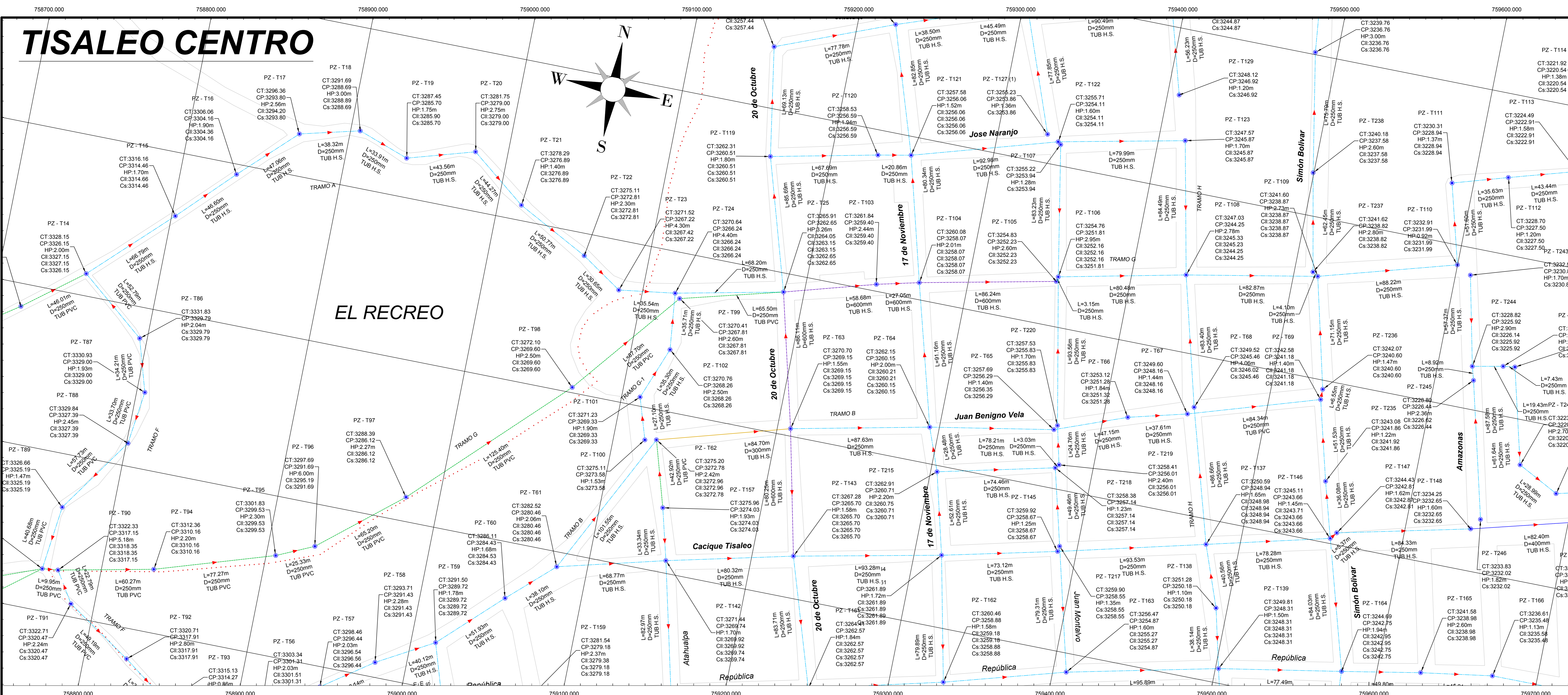
CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO, TRAMO E, TRAMO F.

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: EL CALVARIO

FECHA: OCTUBRE, 2022 ESCALA: 1:1000

ELABORADO POR: Ing. Gaby Núñez REVISADO POR: Ing. Gaby Núñez APROBADO POR: Ing. Gaby Núñez

LÁMINA: LÁMINA 07 TOTAL LÁMINAS: 30



UBICACIÓN DEL PROYECTO

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

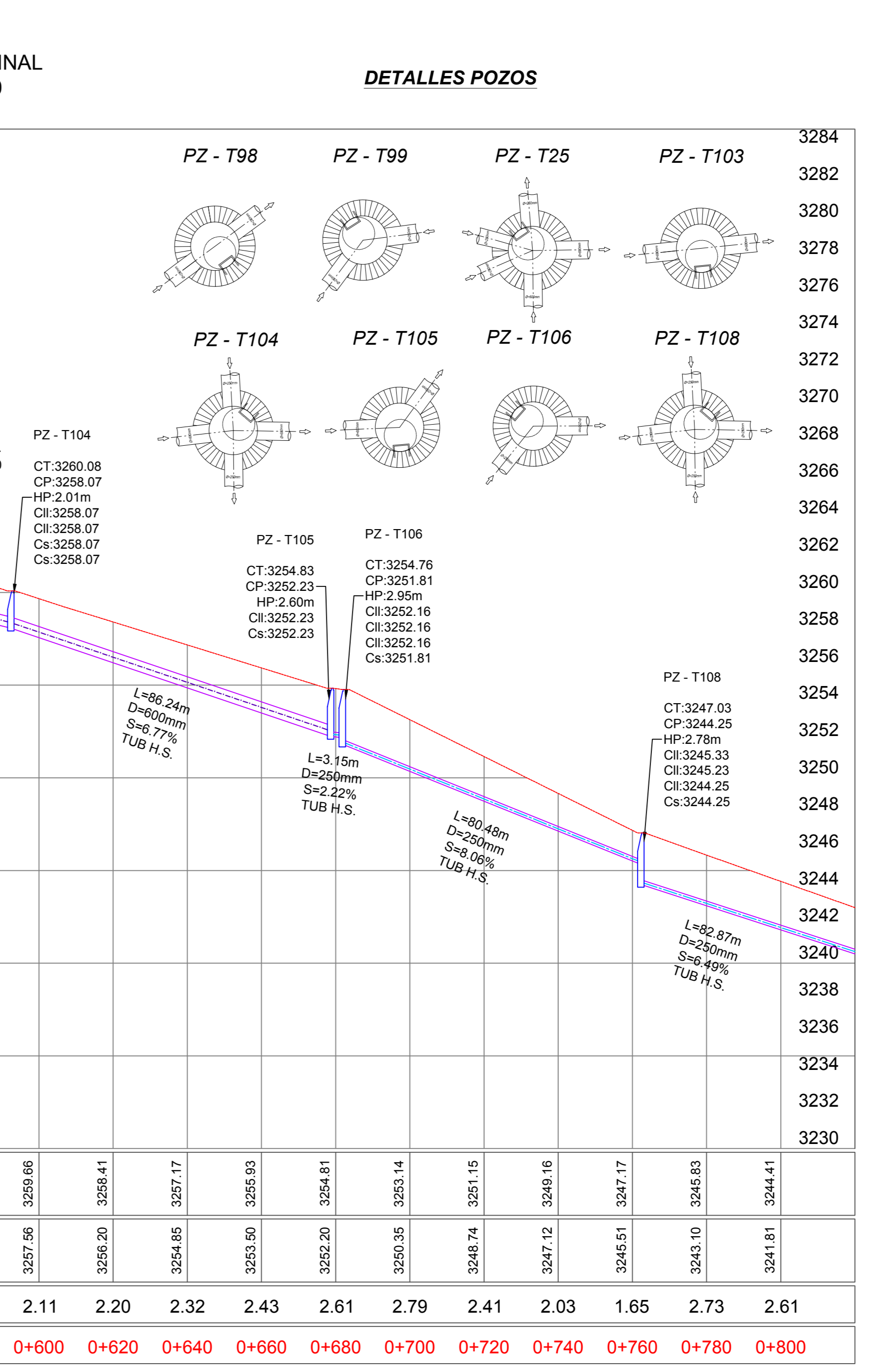
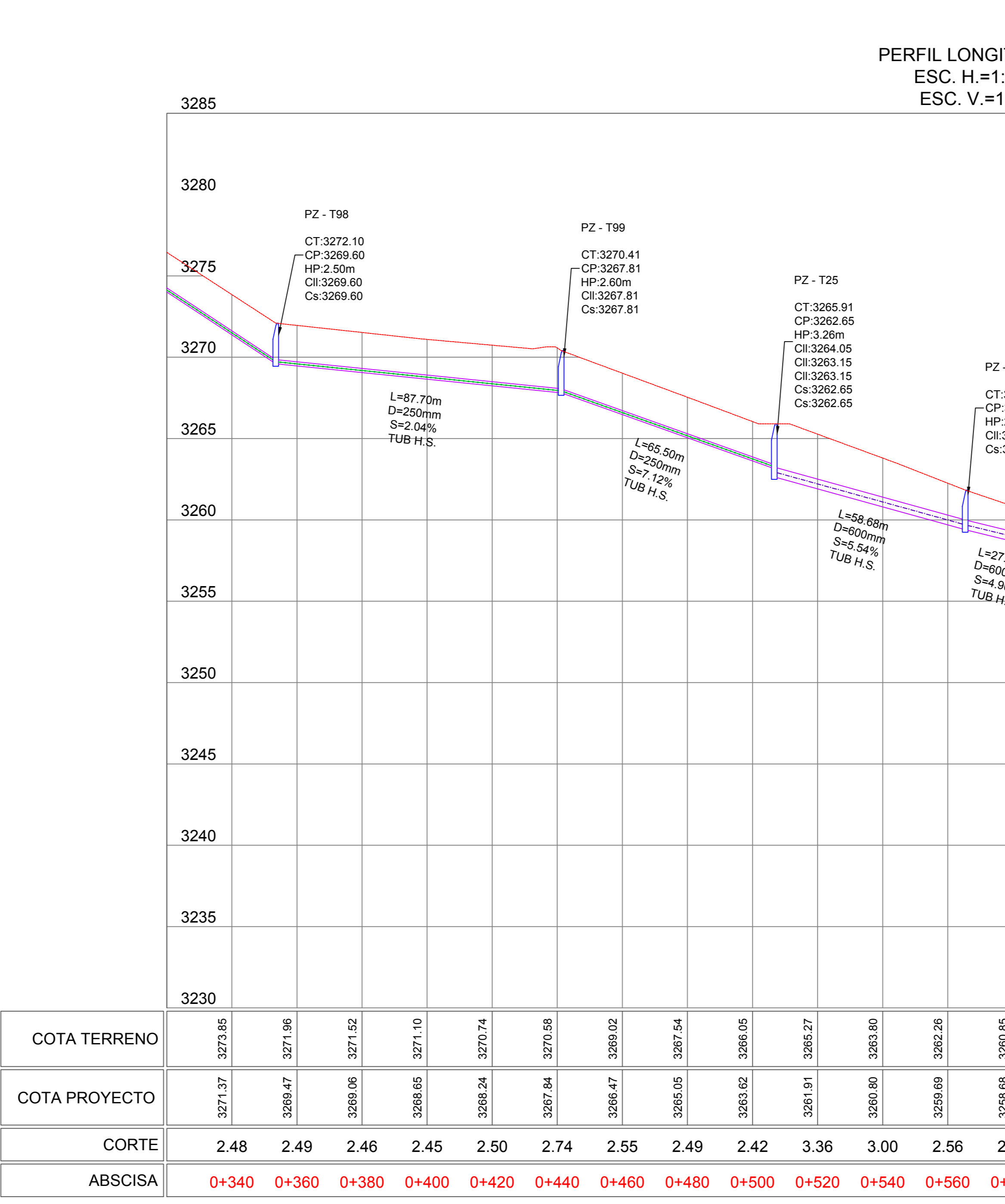
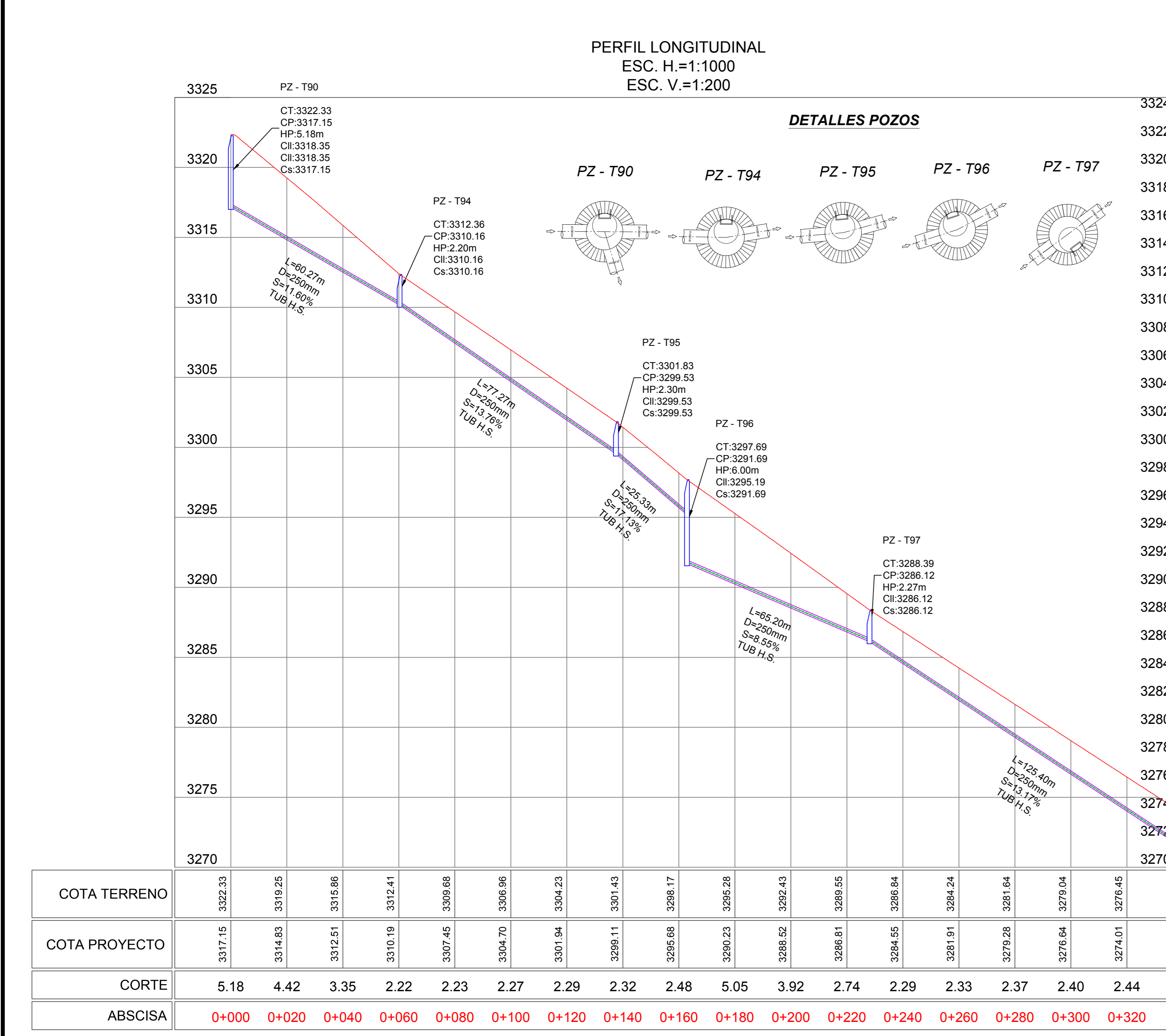
SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm

POZO DE REVISIÓN

PERFIL DEL TERRENO
CALLES / VIAS
LÍMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CII	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZOS



RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ-T90	758773.35	9850227.42	3322.33	3317.15	3317.15
PZ-T91	758833.33	9850308.64	3312.36	3310.16	3310.16
PZ-T92	758903.98	9850663.13	3301.83	3299.53	3299.53
PZ-T93	758929.04	9850712.62	3297.69	3293.69	3293.69
PZ-T94	758979.17	98508.39	3286.12	3286.12	3286.12
PZ-T95	759008.48	9850903.36	3272.10	3269.80	3269.80
PZ-T96	759103.85	9850971.34	3276.41	3267.81	3267.81
PZ-T97	759187.15	9850888.14	3265.91	3262.65	3262.65
PZ-T98	759263.56	9850904.29	3261.64	3259.40	3259.40
PZ-T99	759326.86	9850928.18	3254.83	3252.23	3252.23
PZ-T100	759384.29	9850928.18	3254.83	3252.23	3252.23
PZ-T101	759438.56	9850931.26	3254.76	3252.16	3252.16
PZ-T102	759493.66	9850948.14	3247.03	3245.33	3245.33
PZ-T103	759548.56	9850963.43	3241.60	3242.87	3242.87
PZ-T104	759608.92	9850987.10	3232.91	3231.99	3231.99
PZ-T105	759668.56	9851037.54	3230.31	3228.94	3228.94
PZ-T106	759728.67	9851047.65	3228.70	3227.50	3227.50
PZ-T107	759788.26	9851060.04	3224.91	3222.91	3222.91
PZ-T108	759848.70	9851082.59	3221.92	3220.54	3220.54
PZ-T109	759908.53	9851152.68	3215.06	3212.29	3212.29
PZ-T110	759968.74	9851193.11	3209.51	3208.06	3208.06
PZ-T111	759988.17	9851207.34	3204.75	3203.19	3203.19
PZ-T112	759998.84	9851241.08	3201.84	3200.34	3200.34
PZ-T113	759919.17	9850779.85	3275.11	3273.58	3273.58
PZ-T114	759911.51	9850802.68	3271.23	3269.33	3269.33
PZ-T115	7599124.18	9850838.62	3270.76	3268.26	3268.26
PZ-T116	759920.40	9850874.13	3276.84	3266.24	3266.24
PZ-T117	759940.21	9851013.17	3252.22	3251.81	3251.81
PZ-T118	759949.94	9851013.17	3252.22	3251.81	3251.81
PZ-T119	759954.96	9851013.17	3252.22	3251.81	3251.81
PZ-T120	759964.96	9851013.17	3252.22	3251.81	3251.81
PZ-T121	759974.96	9851013.17	3252.22	3251.81	3251.81
PZ-T122	759984.96	9851013.17	3252.22	3251.81	3251.81
PZ-T123	759994.96	9851013.17	3252.22	3251.81	3251.81
PZ-T124	760004.96	9851013.17	3252.22	3251.81	3251.81

G.A.D. MUNICIPAL DEL CANTÓN TISALEO

"CATÁSTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDABAMA, SANTA LUCÍA-LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

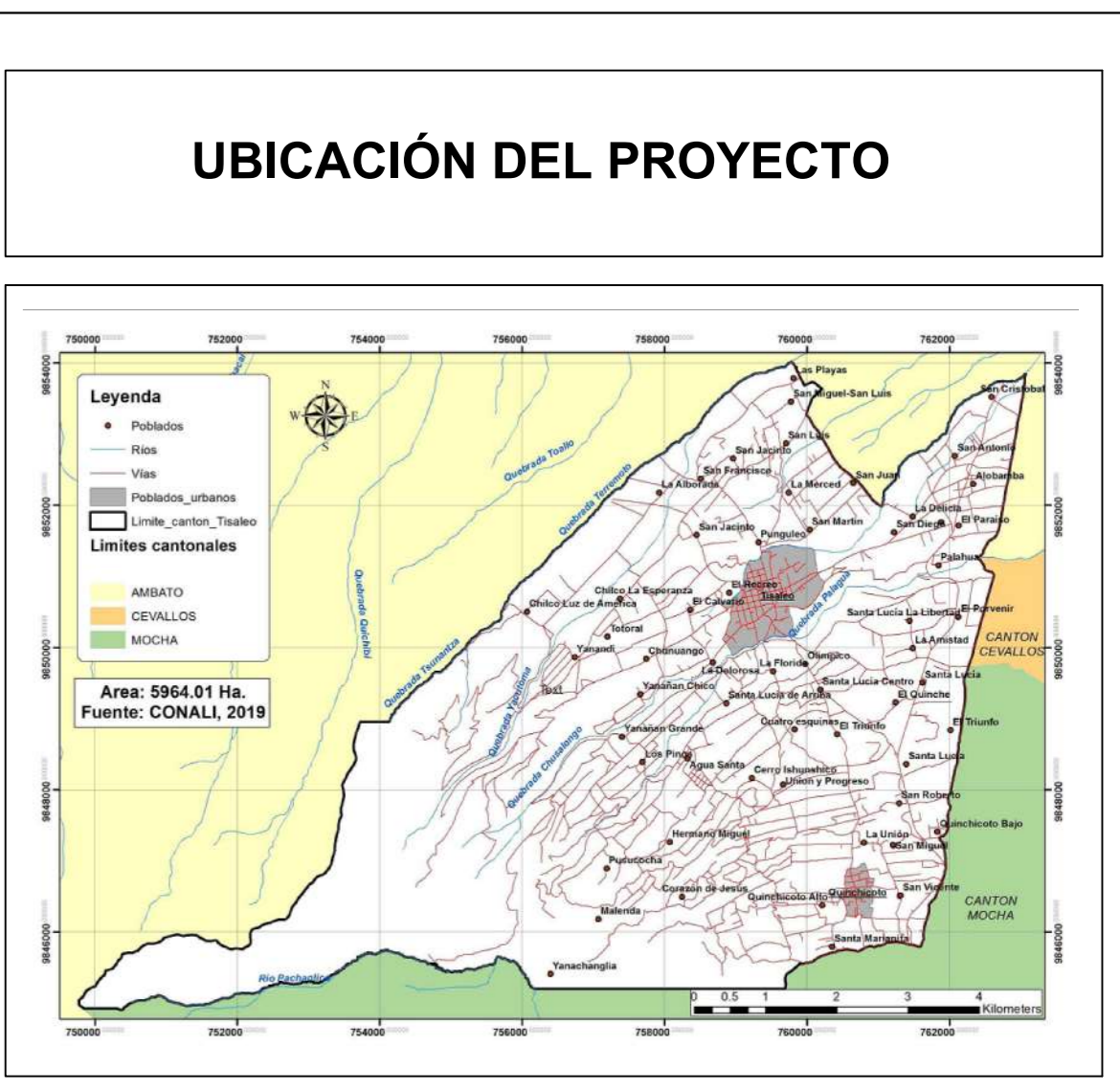
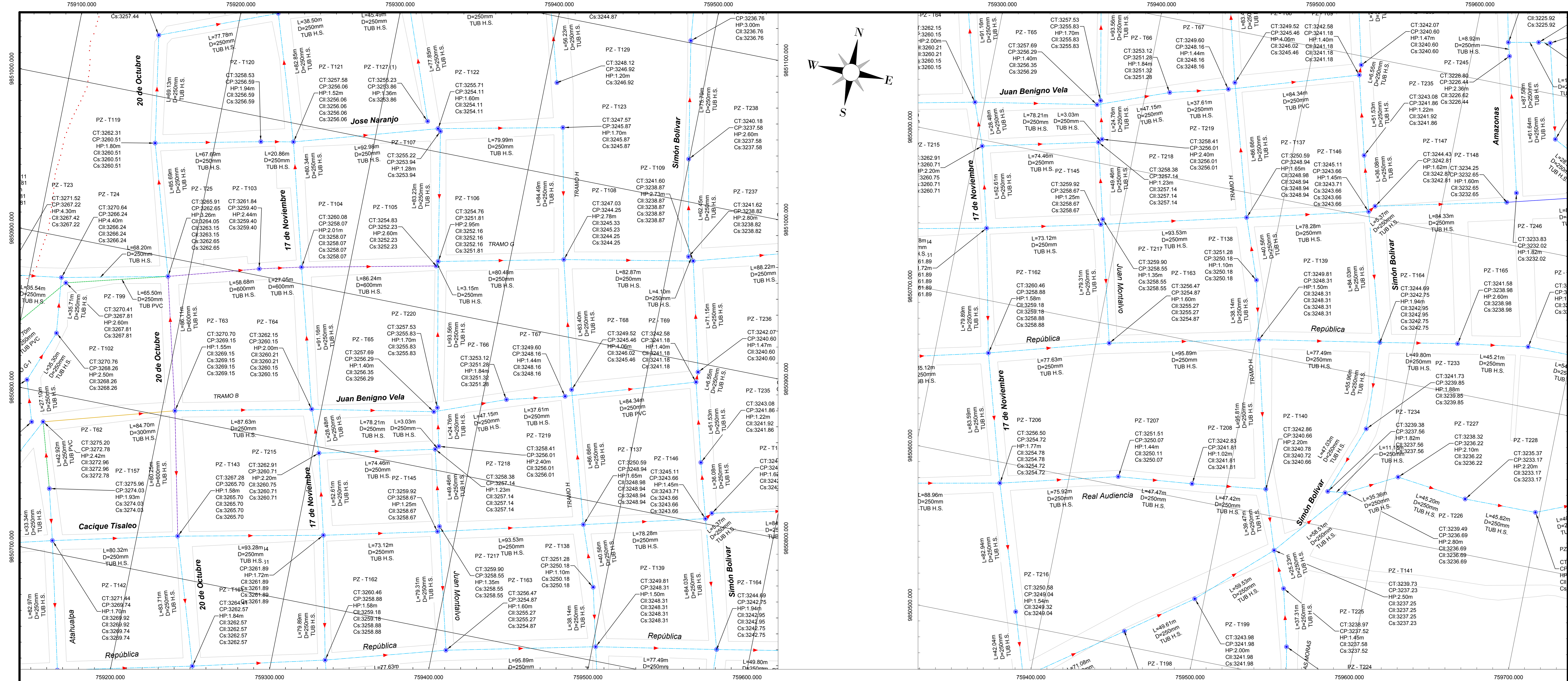
CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO. TRAMO G

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: TISALEO CENTRO

FECHA: OCTUBRE, 2023 ESCALA: 1:1000

ELABORADO POR: Ing. Yanna Bonita Testa REVISADO POR: Ing. Gato Núñez TUBERÍA APROBADO POR: Ing. Gato Núñez TUBERÍA

TOTAL LÁMINAS: 30



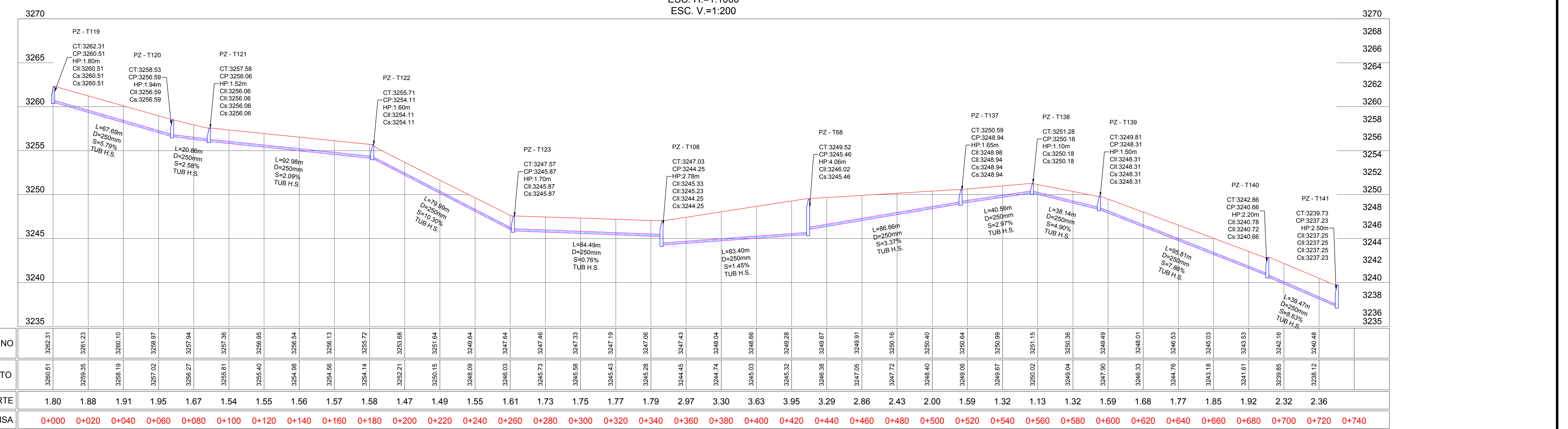
DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
 COORDENADAS UTM: 759353.24 m E, 9850780.17 m S
 ALTURA REFERENCIAL: 3249 m

- ### SIMBOLOGÍA
- TUBERÍA PVC D = 200mm [Symbol]
 - TUBERÍA PVC D = 250mm [Symbol]
 - TUBERÍA H.S. D = 250mm [Symbol]
 - TUBERÍA H.S. D = 300mm [Symbol]
 - TUBERÍA H.S. D = 400mm [Symbol]
 - TUBERÍA H.S. D = 600mm [Symbol]
 - POZO DE RESERVA [Symbol]
 - PERFIL DEL TERRENO [Symbol]
 - CALLES / VÍAS [Symbol]
 - LÍMITES TERRITORIALES [Symbol]
- | | |
|-------|----------------------|
| L | LONGITUD DEL TRAMO |
| D / Ø | DIÁMETRO DE TUBERÍA |
| S | GRADIENTE HIDRÁULICA |
| CT | COTA TERRENO |
| CP | COTA PROYECTO |
| CII | COTA DE LLEGADA |
| Cs | COTA DE SALIDA |
| HP | ALTURA DE POZO |

TISALEO CENTRO

PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200



DETALLES POZOS

PZ - T119 PZ - T120 PZ - T121 PZ - T122 PZ - T123 PZ - T108 PZ - T68 PZ - T137 PZ - T138 PZ - T139 PZ - T140 PZ - T141

RED DE ALCANTARILLADO SANTIAGO EL CALVARIO - TISALEO

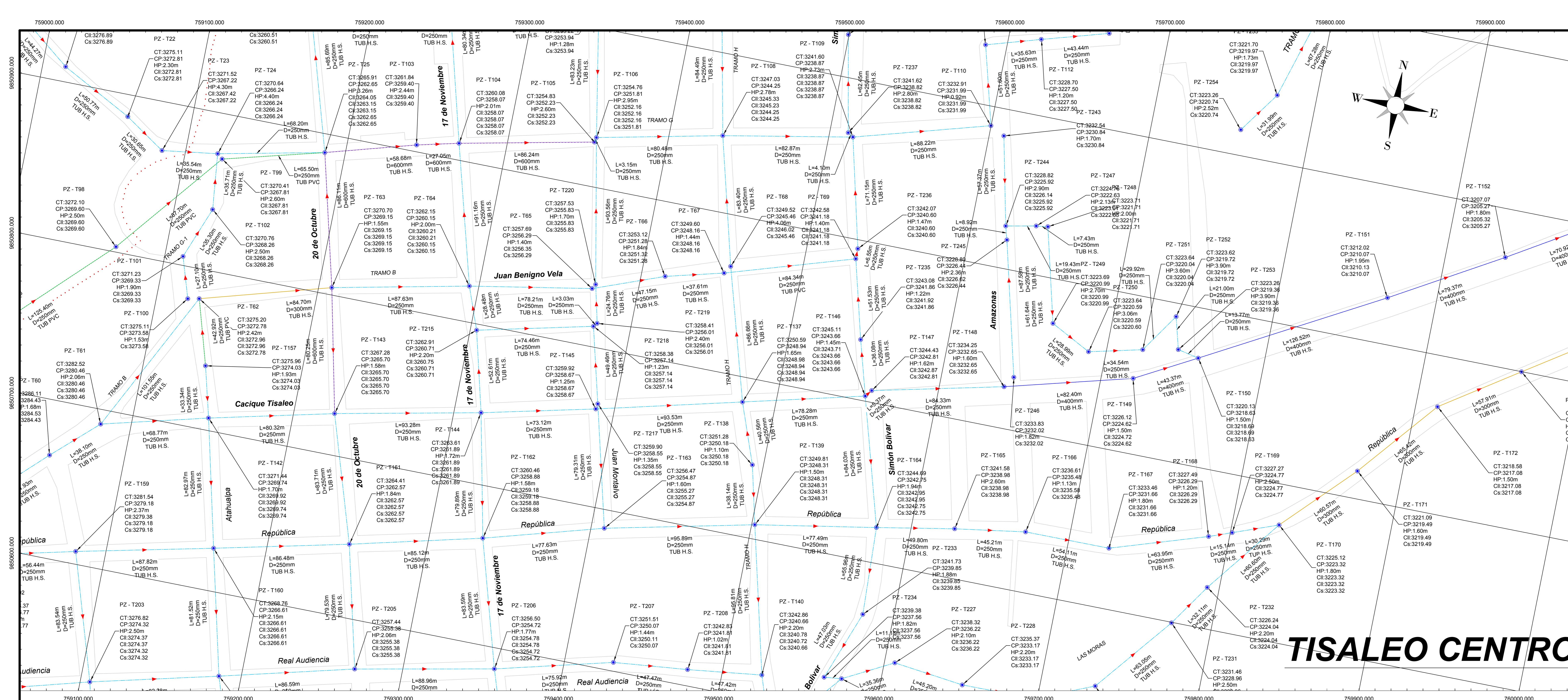
POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO G					
PZ-190	758773.35	985027.42	3232.33	3232.33	3317.15
PZ-191	758833.31	985030.84	3232.36	3316.16	3316.16
PZ-192	758905.98	985066.13	3301.83	3299.53	3299.53
PZ-193	758925.04	985073.62	3297.69	3293.69	3293.69
PZ-194	758979.25	985015.17	3298.39	3286.12	3286.12
PZ-195	759008.45	985093.36	3272.10	3269.80	3269.80
PZ-196	759103.85	985071.34	3276.41	3267.81	3267.81
PZ-197	759187.15	985088.14	3265.91	3262.65	3262.65
PZ-198	759294.56	985094.29	3261.64	3259.40	3259.40
PZ-199	759328.78	985092.61	3260.08	3256.07	3256.07
PZ-200	759384.29	985028.18	3254.83	3252.23	3252.23
PZ-201	759354.98	985031.26	3254.76	3251.16	3251.16
PZ-202	759433.66	985094.14	3247.03	3245.33	3244.25
PZ-203	759515.11	985096.43	3241.60	3238.87	3238.87
PZ-204	759599.92	985097.70	3233.81	3231.99	3231.99
PZ-205	759686.56	985103.54	3230.31	3228.94	3228.94
PZ-206	759762.67	985107.65	3228.70	3227.50	3227.50
PZ-207	759832.26	985100.04	3224.49	3222.91	3222.91
PZ-208	759868.70	985108.59	3221.92	3220.54	3220.54
PZ-209	759935.63	985110.69	3219.69	3219.29	3219.29
PZ-210	759948.74	985119.11	3209.51	3208.06	3208.06
PZ-211	759993.17	985107.34	3204.75	3203.14	3203.14
PZ-212	759993.38	985131.08	3201.84	3200.54	3200.54
TRAMO G-1					
PZ-213	759911.71	985079.85	3205.11	3203.58	3203.58
PZ-214	759911.51	985029.68	3217.23	3209.33	3209.33
PZ-215	759924.18	985038.62	3207.76	3208.26	3208.26
PZ-216	759920.40	985054.13	3206.84	3206.24	3206.24
TRAMO G-2					
PZ-217	759940.91	985103.17	3202.22	3204.76	3201.87
PZ-218	759954.98	985092.61	3204.16	3201.87	3201.87
TRAMO H - JOSE NARANJO					
PZ-219	759962.45	985090.79	3202.31	3200.51	3200.51
PZ-220	759928.68	985094.14	3208.43	3206.98	3206.98
PZ-221	759949.14	985098.24	3207.58	3206.06	3206.06
PZ-222	759938.31	985104.61	3205.71	3204.11	3204.11
PZ-223	759941.66	985100.00	3247.57	3245.87	3245.87
PZ-224	759943.66	985094.14	3247.03	3245.23	3244.25
PZ-225	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-226	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-227	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-228	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-229	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-230	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-231	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-232	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-233	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-234	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-235	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-236	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-237	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-238	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-239	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-240	759943.66	985094.14	3247.03	3244.25	3244.25
TRAMO CACIQUE TISALEO					
PZ-241	759980.92	985090.33	3202.52	3200.46	3200.46
PZ-242	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-243	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-244	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-245	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-246	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-247	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-248	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-249	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-250	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-251	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-252	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-253	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-254	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-255	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-256	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-257	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-258	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-259	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-260	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-261	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-262	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-263	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-264	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-265	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-266	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-267	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-268	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-269	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-270	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-271	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-272	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-273	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-274	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-275	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-276	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-277	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-278	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-279	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-280	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-281	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-282	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-283	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-284	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-285	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-286	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-287	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-288	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-289	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-290	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-291	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-292	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-293	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-294	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-295	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-296	759943.66	985094.14	3247.03	3244.25	3244.25
PZ-297	759943.03	985074.20	3201.28	3201.18	3201.18
PZ-298	759947.94	985078.27	3200.59	3248.98	3248.94
PZ-299	759948.48	985087.48	3248.52	3247.02	3246.46
PZ-300	759943.66	985094.14	3247.03	3244.25	3244.25

G.A.D. MUNICIPAL DEL CANTÓN TISALEO

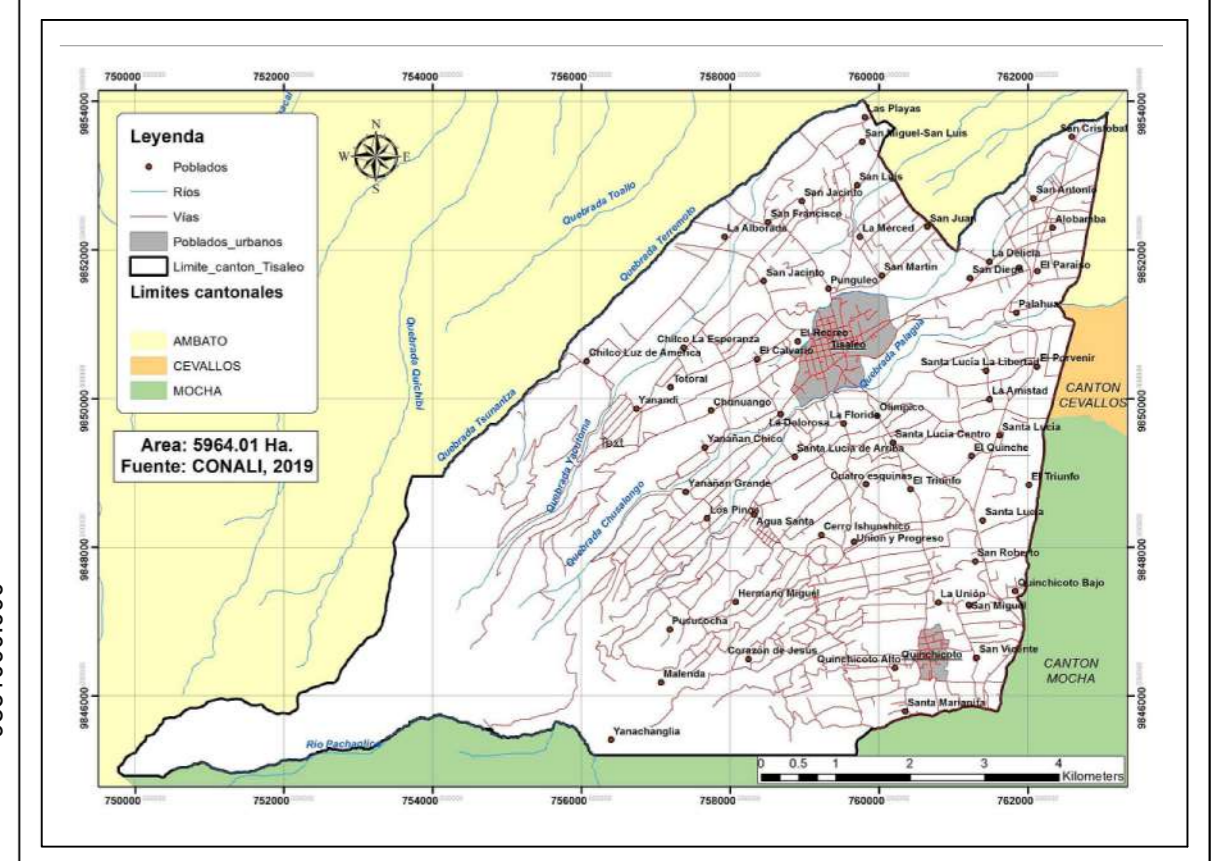
CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANTIAGO DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMA, SANTA LUCÍA, LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHU.

CONTIENE: RED DE ALCANTARILLADO SANTIAGO EL CALVARIO - TISALEO, TRAMO JOSE NARANJO - H.

PROVINCIA	TUNGURAHU	CANTÓN	TISALEO	SECTOR	TISALEO CENTRO
FECHA	OCTUBRE, 2022	ESCALA	1:1000	ELABORADO POR	Ing. Gabo Nuñez Tutor
REVISADO POR	Ing. Gabo Nuñez Tutor	APROBADO POR	Ing. Gabo Nuñez Tutor	LÁMINA	LÁMINA 10
TOTAL LÁMINAS	30				



UBICACIÓN DEL PROYECTO



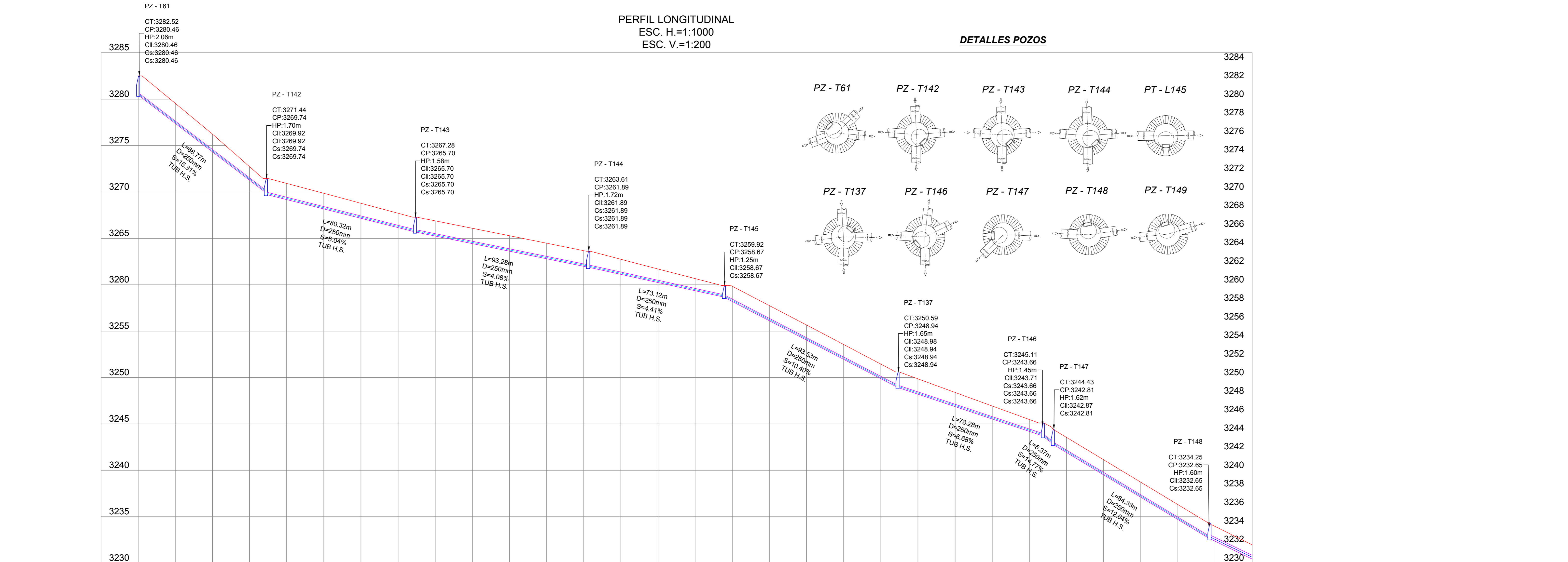
DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E, 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA PVC D = 300mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CII	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO



	0+00	0+20	0+40	0+60	0+80	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580
COTA TERRENO	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52
COTA PROYECTO	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52	3252.52
CORTE	2.06	2.16	1.91	1.46	1.74	1.68	1.62	1.55	1.63	1.65	1.66	1.67	1.68	1.63	1.46	1.31	1.64	1.63	1.62	1.60	1.57	1.65	1.52	1.40	1.28	1.62	1.62	1.61	1.61	1.59
ABSCISA	0+00	0+20	0+40	0+60	0+80	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580

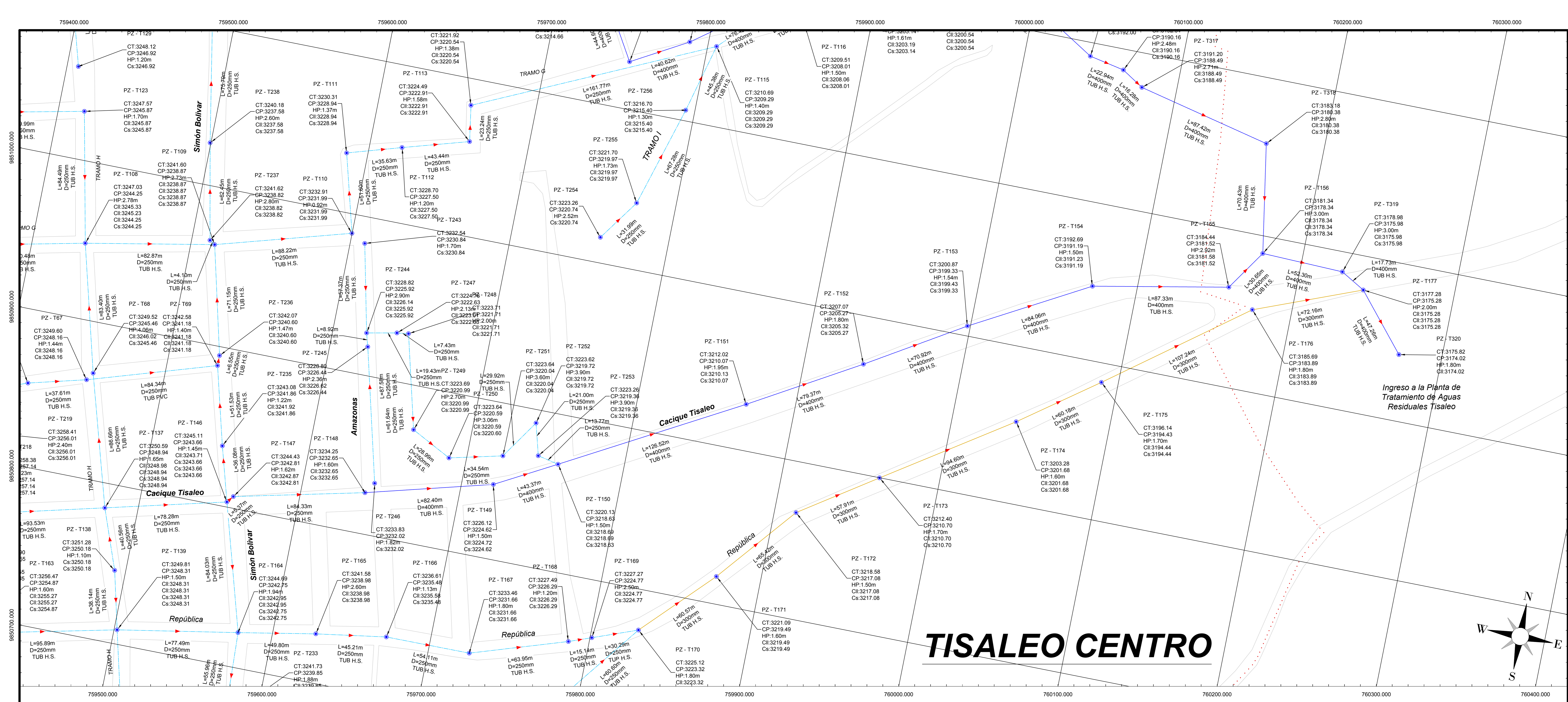
G.A.D. MUNICIPAL DEL CANTÓN TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO, TRAMO CACIQUE TISALEO.

UNIVERSIDAD TÉCNICA DE AMBATO
FICM
 FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA
 CÁTEDRA DE INGENIERÍA CIVIL

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: TISALEO CENTRO
 FECHA: OCTUBRE, 2022 ESCALA: 1:1000
 ELABORADO POR: REVISADO POR: APROBADO POR: LÁMINA: LÁMINA 11
 TOTAL LÁMINAS: 30



UBICACIÓN DEL PROYECTO

DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

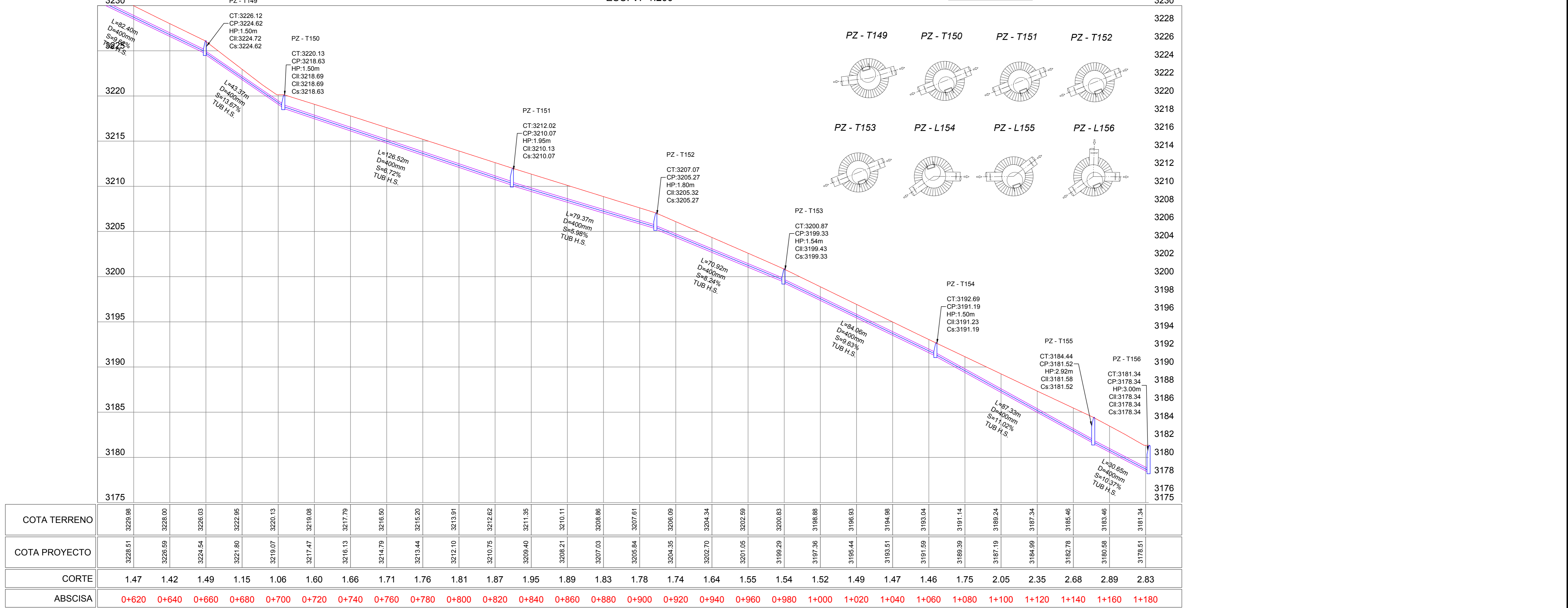
SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA PVC D = 300mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. PROYECTO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO G						
PZ-190	758773.35	9850227.42	3232.33	3232.33	3310.16	3317.15
PZ-191	758833.31	9850338.64	3212.36	3212.36	3310.16	3310.16
PZ-192	758905.98	9850663.13	3301.83	3301.83	3299.53	3299.53
PZ-193	758959.04	9850673.62	3297.69	3297.69	3299.53	3299.53
PZ-194	758979.25	9850715.77	3286.39	3286.39	3286.12	3286.12
PZ-195	759008.45	9850803.36	3272.10	3272.10	3269.60	3269.60
PZ-196	759133.85	9850971.34	3276.41	3276.41	3267.81	3267.81
PZ-197	759187.15	9850988.14	3265.91	3265.91	3262.65	3262.65
PZ-198	759243.56	9850949.29	3261.84	3261.84	3259.40	3259.40
PZ-199	759298.86	9850916.11	3260.08	3260.08	3256.07	3256.07
PZ-200	759354.29	9850928.18	3254.83	3254.83	3252.23	3252.23
PZ-201	759410.56	9850931.26	3254.76	3254.76	3250.16	3250.16
PZ-202	759466.66	9850948.14	3247.03	3247.03	3245.33	3245.33
PZ-203	759522.56	9850963.43	3241.60	3241.60	3238.87	3238.87
PZ-204	759578.92	9850987.70	3233.91	3233.91	3231.99	3231.99
PZ-205	759635.56	9851037.54	3230.31	3230.31	3228.94	3228.94
PZ-206	759692.07	9851047.60	3228.70	3228.70	3227.50	3227.50
PZ-207	759748.26	9851090.04	3224.49	3224.49	3222.91	3222.91
PZ-208	759804.70	9851082.59	3221.92	3221.92	3220.54	3220.54
PZ-209	759861.63	9851150.69	3216.69	3216.69	3209.29	3209.29
PZ-210	759918.74	9851193.11	3209.51	3209.51	3208.06	3208.06
PZ-211	759975.17	9851207.34	3204.75	3204.75	3203.19	3203.19
PZ-212	759999.38	9851341.08	3201.84	3201.84	3200.34	3200.34
TRAMO G-1						
PZ-213	759111.71	9850719.85	3275.11	3275.11	3273.58	3273.58
PZ-214	759171.51	9850826.68	3271.23	3271.23	3269.33	3269.33
PZ-215	759231.48	9850838.62	3270.76	3270.76	3268.26	3268.26
PZ-216	759291.40	9850874.13	3270.64	3270.64	3266.24	3266.24
TRAMO G-2						
PZ-217	759340.21	9851013.17	3252.22	3252.22	3250.94	3250.94
PZ-218	759394.96	9850938.64	3254.76	3254.76	3251.87	3251.87
TRAMO H - JOSÉ NARANJO						
PZ-219	759162.45	9850970.19	3262.31	3262.31	3260.51	3260.51
PZ-220	759228.66	9850984.30	3258.53	3258.53	3256.99	3256.99
PZ-221	759294.14	9850988.24	3257.58	3257.58	3256.06	3256.06
PZ-222	759358.31	9851014.61	3256.71	3256.71	3254.11	3254.11
PZ-223	759419.62	9851030.00	3247.57	3247.57	3245.87	3245.87
PZ-224	759483.66	9850948.14	3247.03	3247.03	3245.23	3245.23
TRAMO H - JOSÉ NARANJO						
PZ-225	759493.03	9850746.20	3251.28	3251.28	3250.18	3250.18
PZ-226	759549.04	9850784.27	3250.59	3250.59	3248.98	3248.98
PZ-227	759605.48	9850807.88	3248.52	3248.52	3247.02	3247.02
PZ-228	759661.66	9850848.14	3247.03	3247.03	3244.25	3244.25
TRAMO I - CACIQUE TISALEO						
PZ-229	759880.52	9850930.33	3262.52	3262.52	3260.46	3260.46
PZ-230	759947.52	9850707.89	3271.44	3271.44	3269.92	3269.92
PZ-231	759992.68	9850726.32	3267.28	3267.28	3265.70	3265.70
PZ-232	760041.76	9850741.68	3263.61	3263.61	3261.89	3261.89
PZ-233	760088.28	9850761.69	3259.92	3259.92	3258.67	3258.67
PZ-234	760134.04	9850784.27	3256.59	3256.59	3248.94	3248.94
PZ-235	760179.95	9850803.22	3245.11	3245.11	3243.71	3243.71
PZ-236	760225.33	9850807.42	3244.43	3244.43	3242.81	3242.81
PZ-237	760270.52	9850826.32	3244.25	3244.25	3242.85	3242.85
PZ-238	760315.14	9850847.54	3228.12	3228.12	3224.72	3224.72
PZ-239	760359.29	9850868.29	3220.13	3220.13	3218.63	3218.63
PZ-240	760403.91	9850929.47	3212.05	3212.05	3210.13	3210.13
PZ-241	760448.00	9850989.34	3207.08	3207.08	3205.32	3205.32
PZ-242	760492.12	9851030.00	3200.87	3200.87	3199.43	3199.43
PZ-243	760536.24	9851048.58	3192.69	3192.69	3191.23	3191.19
PZ-244	760580.36	9851063.38	3184.44	3184.44	3181.58	3181.52
PZ-245	760624.48	9851088.62	3181.34	3181.34	3178.34	3178.34

PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



G.A.D. MUNICIPAL DEL CANTÓN TISALEO

"CATÁSTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO, TRAMO CACIQUE TISALEO.

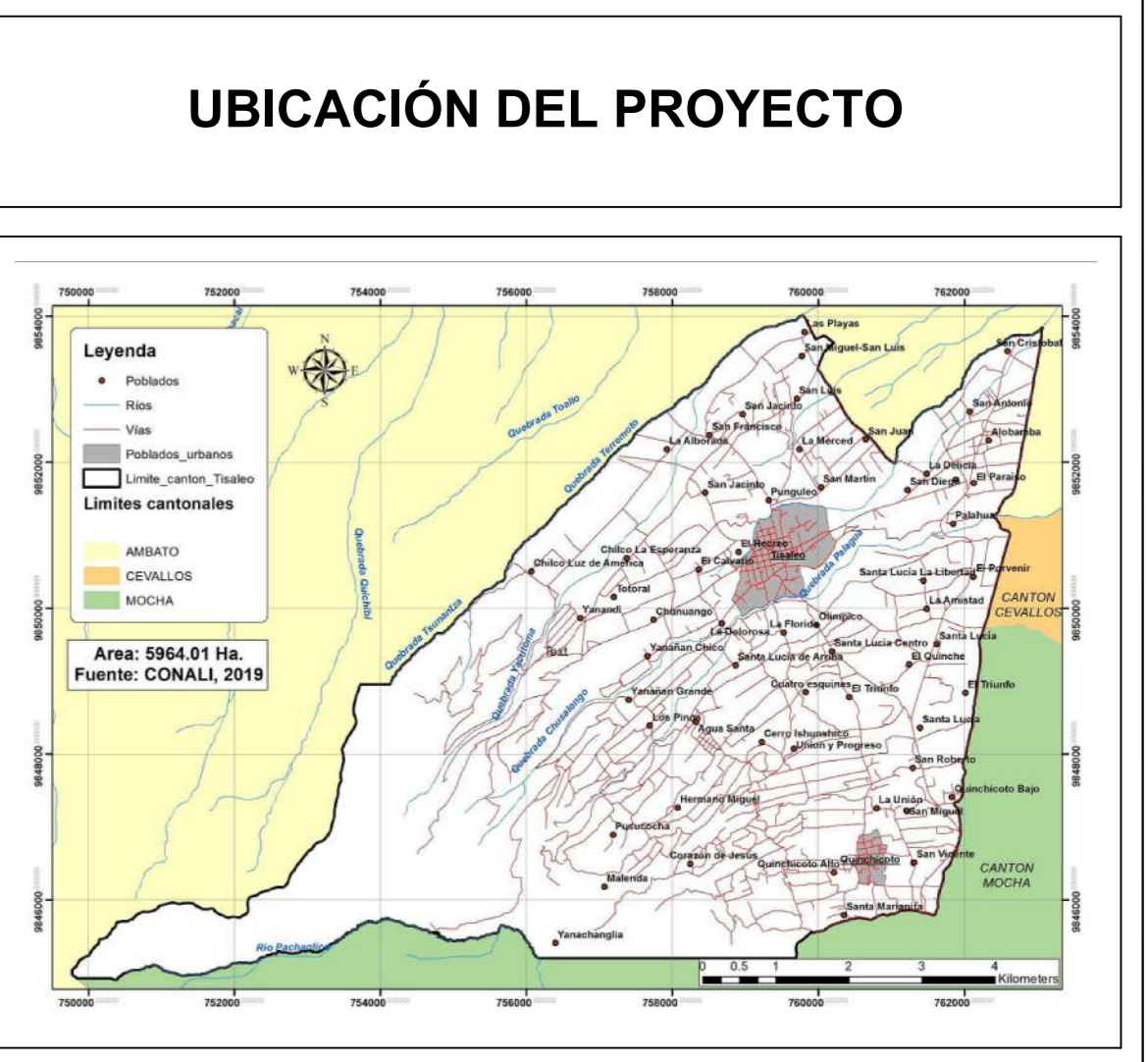
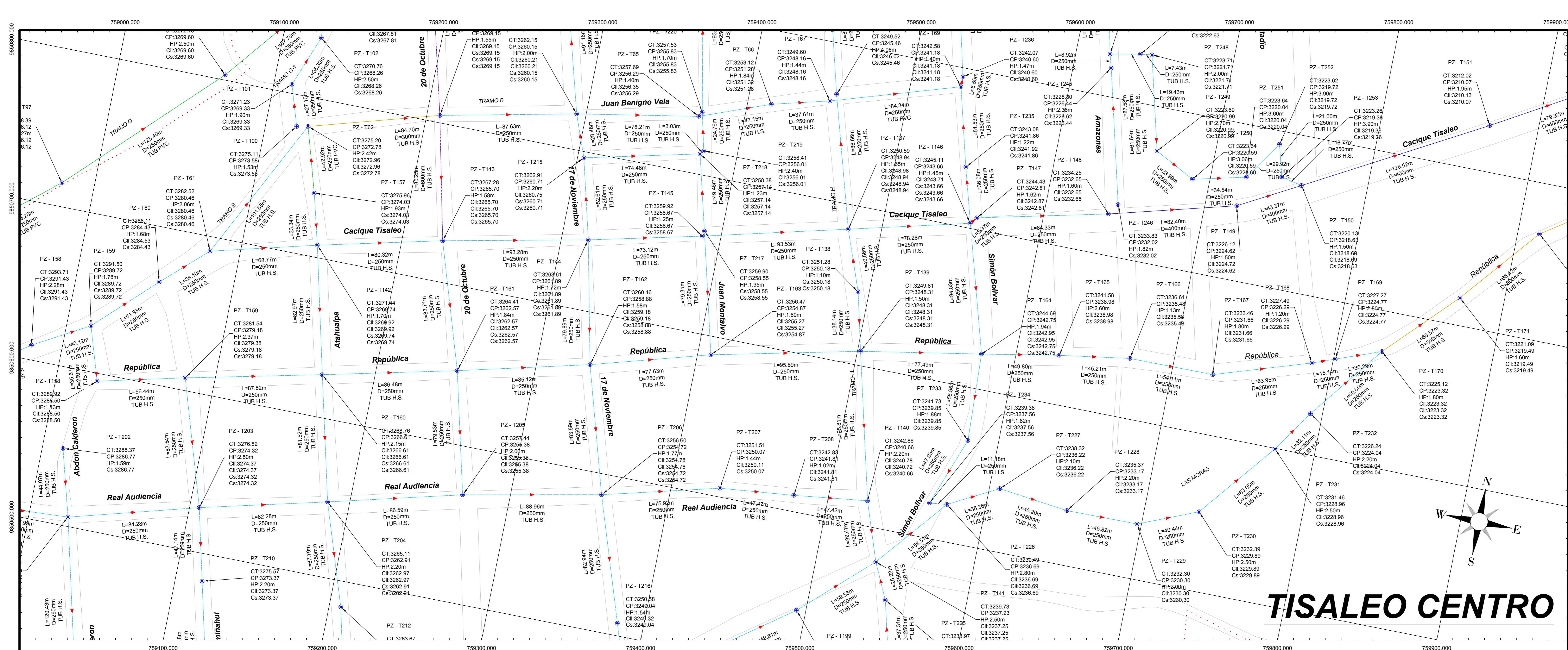
PROVINCIA: TUNGURAHUA | CANTÓN: TISALEO | SECTOR: TISALEO CENTRO

FECHA: OCTUBRE, 2022 | ESCALA: 1:1000

ELABORADO POR: Ing. Gato Núñez Tutor | REVISADO POR: Ing. Gato Núñez Tutor | APROBADO POR: Ing. Gato Núñez Tutor

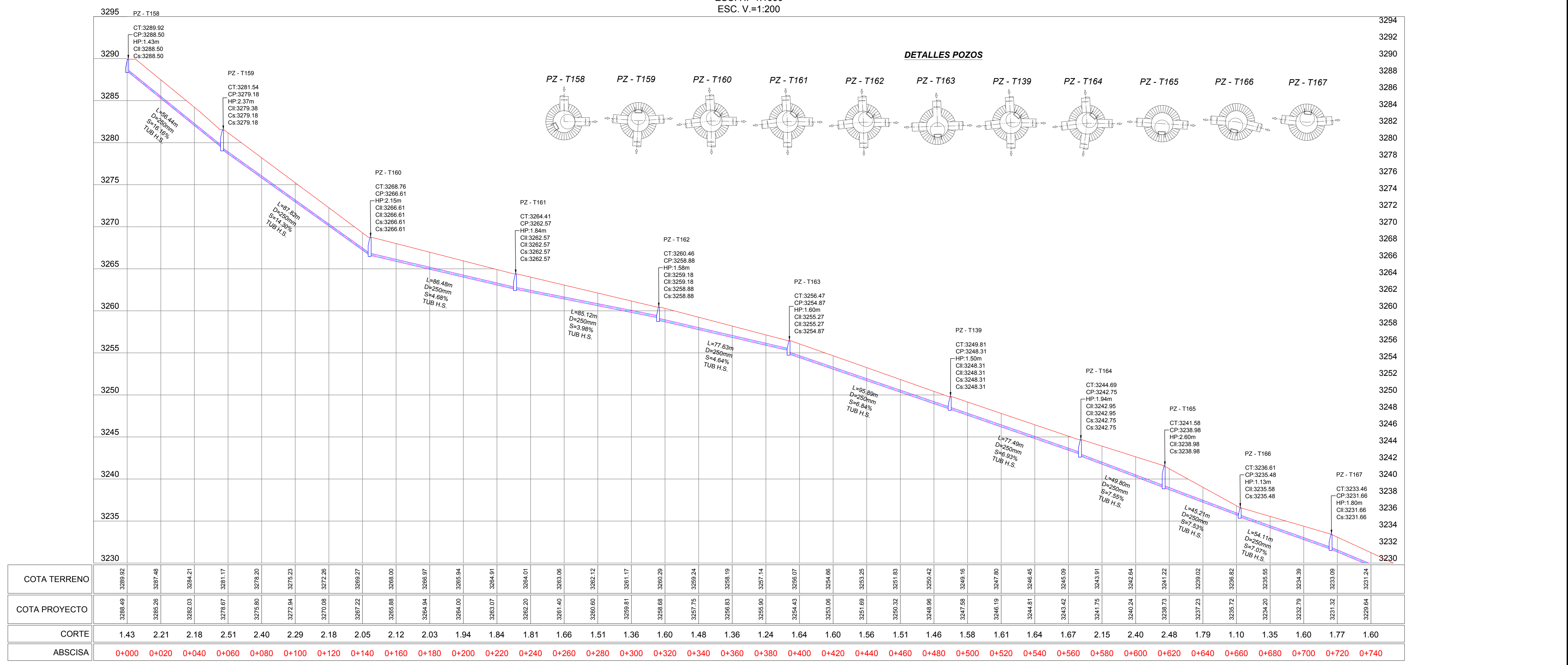
TOTAL LÁMINAS: 12 | LÁMINA 12

Página: Terna Bonita Testa | 30



- DATUM:** WGS84 ZONA 17S
- COORDENADAS UTM:**
759353.24 m E
9850780.17 m S
- ALTURA REFERENCIAL:**
3249 m
- SIMBOLOGÍA**
- TUBERÍA PVC D = 200mm
 - TUBERÍA PVC D = 250mm
 - TUBERÍA PVC D = 300mm
 - TUBERÍA H.S. D = 250mm
 - TUBERÍA H.S. D = 300mm
 - TUBERÍA H.S. D = 400mm
 - TUBERÍA H.S. D = 600mm
 - POZO DE REVISIÓN
 - PERFIL DEL TERRENO
 - CALLES / VÍAS
 - LÍMITES TERRITORIALES

PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO				
POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA(m) C. SALIDA(m)
TRAMO REPUBLICA				
PZ-T158	759026.20	9850594.99	3289.93	3288.50
PZ-T159	759081.10	9850598.06	3281.55	3279.38
PZ-T160	759168.82	9850617.20	3298.76	3296.61
PZ-T161	759251.10	9850646.57	3264.41	3262.57
PZ-T162	759333.74	9850686.95	3260.46	3259.18
PZ-T163	759408.40	9850688.23	3256.47	3254.27
PZ-T164	759501.99	9850709.13	3249.81	3248.31
PZ-T165	759578.31	9850722.49	3244.69	3242.95
PZ-T166	759627.30	9850711.43	3241.69	3238.89
PZ-T167	759726.10	9850738.49	3233.46	3231.66
PZ-T168	759786.93	9850718.19	3227.49	3226.99
PZ-T169	759801.12	9850763.49	3227.27	3224.77
PZ-T170	759829.48	9850774.11	3225.12	3223.32
PZ-T171	759871.74	9850817.51	3221.09	3219.49
PZ-T172	759913.78	9850867.64	3218.58	3217.08
PZ-T173	759961.87	9850899.89	3212.40	3210.70
PZ-T174	760040.68	9850922.23	3203.28	3201.68
PZ-T175	760089.32	9850967.66	3198.14	3194.44
PZ-T176	760175.03	9851002.12	3189.69	3183.89
PZ-T177	760242.23	9851018.40	3177.28	3175.28
TRAMO PUNALICA				
PZ-T178	758932.20	9850531.23	3303.02	3300.97
PZ-T179	758949.22	9850567.43	3298.46	3296.55
PZ-T180	758932.20	9850531.23	3303.02	3300.97
PZ-T181	758921.25	9850370.96	3298.48	3296.48
PZ-T182	758933.74	9850314.87	3297.50	3295.68
PZ-T183	758968.53	9850214.16	3296.16	3294.76
PZ-T184	758956.15	9850195.25	3295.53	3294.02
PZ-T185	758926.14	9850135.72	3295.60	3292.50
PZ-T186	758926.17	9850077.25	3293.34	3291.14
PZ-T187	758860.82	9850068.82	3292.47	3290.87
TRAMO CARIJUA TRAZO				
PZ-T188	758827.70	9850027.20	3295.32	3294.12
PZ-T189	758860.82	9850068.82	3292.47	3290.87
PZ-T190	758921.25	9850134.87	3291.25	3289.35
PZ-T191	758960.74	9850093.36	3288.96	3287.56
PZ-T192	759050.21	9850268.57	3282.94	3281.40
PZ-T193	759079.97	9850295.22	3277.87	3275.57
PZ-T194	759154.15	9850316.11	3272.68	3270.63
PZ-T195	759224.15	9850344.25	3265.91	3264.26
PZ-T196	759245.38	9850356.01	3261.40	3258.68
PZ-T197	759311.87	9850448.68	3252.27	3250.17
PZ-T198	759396.12	9850487.97	3249.78	3247.88
PZ-T199	759453.95	9850509.30	3245.27	3243.67
PZ-T200	759494.08	9850538.46	3243.98	3241.98
PZ-T201	759537.86	9850578.80	3239.73	3237.23
TRAMO REAL AUDIENCIA				
PZ-T202	758923.82	9850505.21	3303.89	3300.30
PZ-T203	758966.98	9850502.71	3294.15	3292.95
PZ-T204	759024.88	9850505.99	3289.17	3287.12
PZ-T205	759108.14	9850508.33	3278.82	3274.52
PZ-T206	759186.04	9850547.97	3265.11	3262.91
PZ-T207	759269.96	9850569.31	3257.44	3255.38
PZ-T208	759357.21	9850588.73	3256.50	3254.73
PZ-T209	759430.75	9850605.58	3251.51	3250.07
PZ-T210	759477.99	9850810.32	3242.83	3241.81
PZ-T211	759525.05	9850816.14	3242.86	3240.72

G.A.D. MUNICIPAL DEL CANTÓN TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

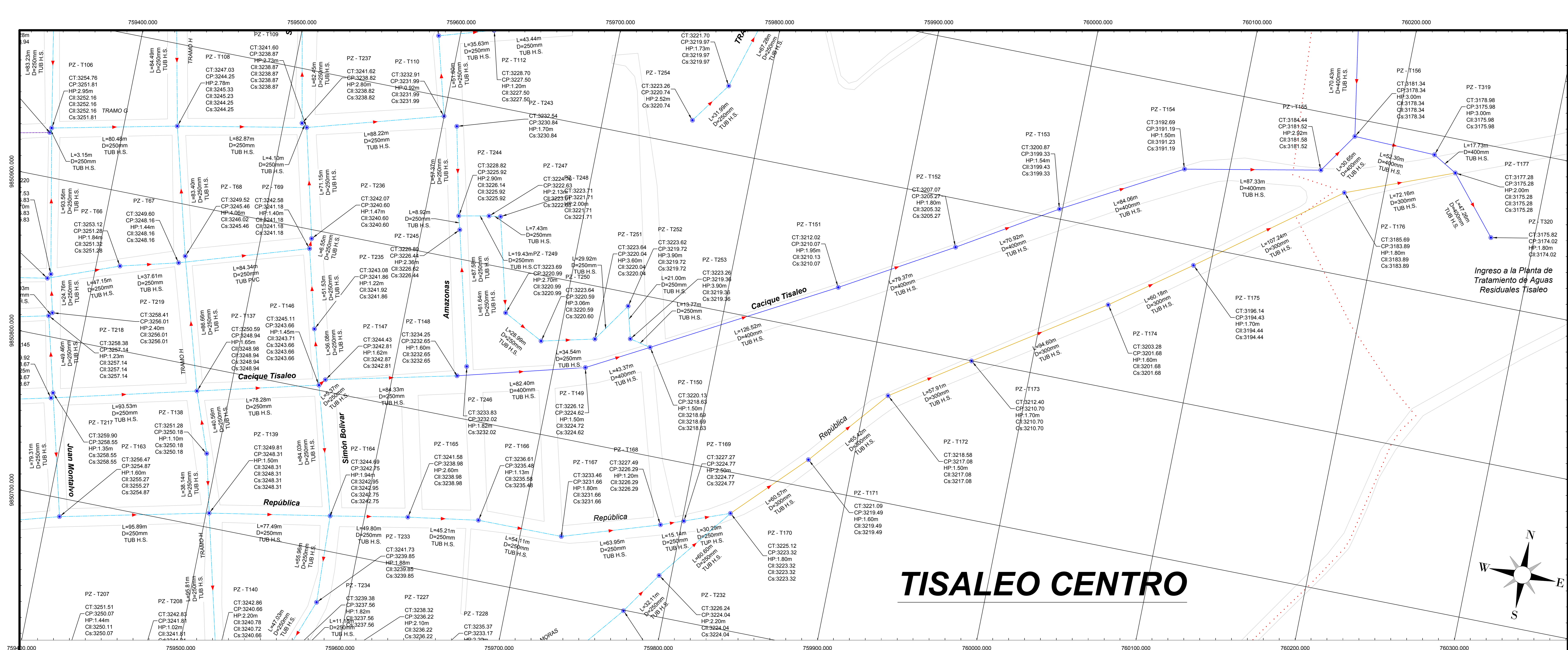
CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO, TRAMO REPUBLICA.

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: TISALEO-CENTRO

FECHA: OCTUBRE, 2022 ESCALA: 1:1000

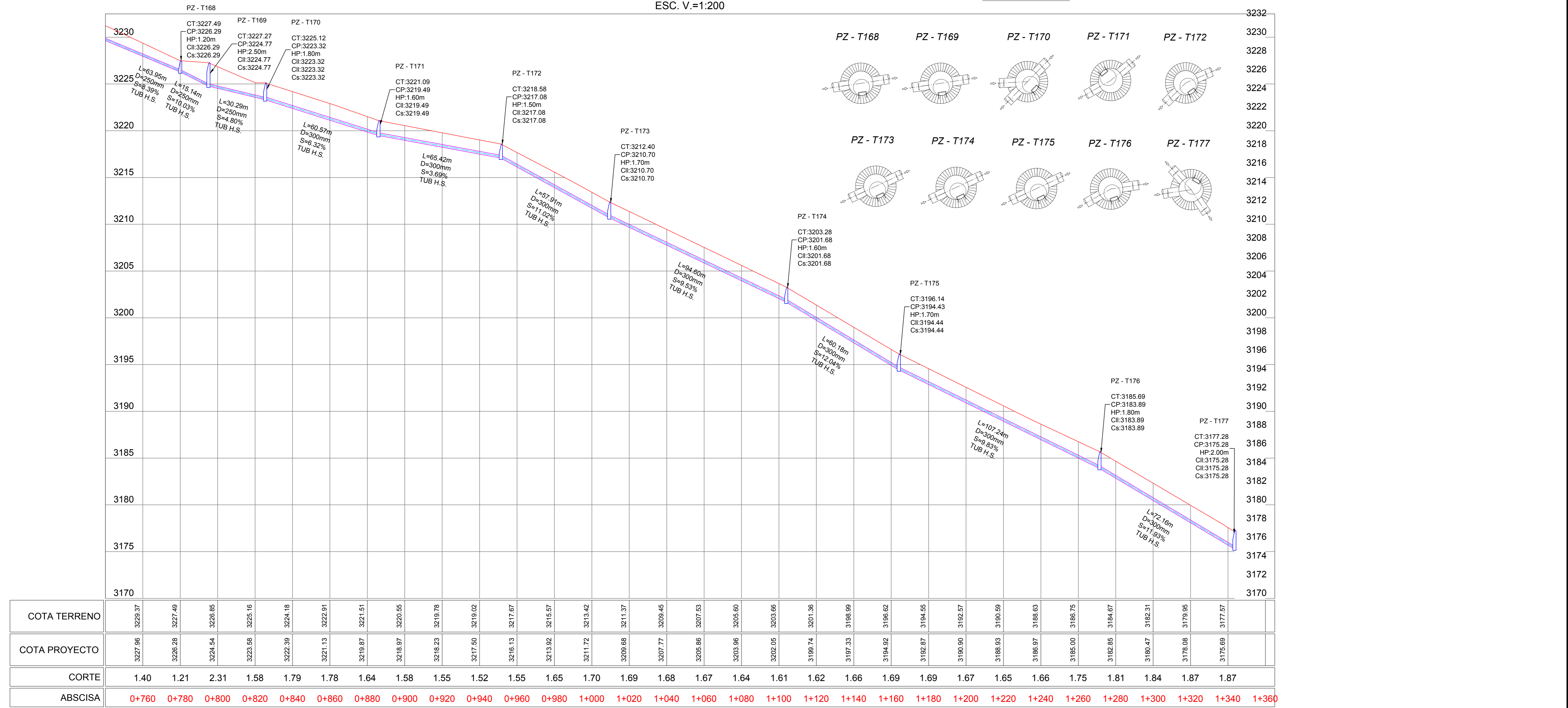
ELABORADO POR: Ing. Gato Núñez Tutor REVISADO POR: Ing. Gato Núñez Tutor APROBADO POR: Ing. Gato Núñez Tutor

LÁMINA: LÁMINA 13 TOTAL LÁMINAS: 30



TISALEO CENTRO

PERFIL LONGITUDINAL
ESC. H=1:1000
ESC. V=1:200



	0+70	0+780	0+800	0+820	0+840	0+860	0+880	0+900	0+920	0+940	0+960	0+980	1+000	1+020	1+040	1+060	1+080	1+100	1+120	1+140	1+160	1+180	1+200	1+220	1+240	1+260	1+280	1+300	1+320	1+340	1+360												
COTA TERRENO	3229.37	3227.49	3226.85	3226.16	3224.18	3222.91	3221.51	3220.25	3219.78	3219.02	3217.87	3216.57	3215.37	3214.42	3213.37	3212.77	3212.05	3211.28	3210.46	3209.58	3208.63	3207.61	3206.53	3205.60	3204.65	3203.66	3202.61	3201.36	3199.98	3198.56	3197.02	3195.37	3193.61	3191.75	3189.78	3187.61	3185.24	3182.67	3179.90	3176.93	3173.57		
COTA PROYECTO	3227.06	3226.28	3224.84	3223.39	3221.93	3220.46	3219.07	3217.67	3216.26	3214.83	3213.38	3211.92	3210.45	3208.96	3207.45	3205.92	3204.37	3202.80	3201.21	3199.60	3197.97	3196.32	3194.65	3192.96	3191.25	3189.52	3187.77	3186.00	3184.21	3182.40	3180.57	3178.72	3176.85	3174.96	3173.05	3171.12	3169.17	3167.20	3165.21	3163.20	3161.17	3159.12	3157.05
CORTE	1.40	1.21	2.31	1.58	1.79	1.78	1.64	1.58	1.55	1.52	1.55	1.65	1.70	1.69	1.68	1.67	1.64	1.61	1.62	1.66	1.69	1.69	1.67	1.65	1.66	1.75	1.81	1.84	1.84	1.87	1.87												
ABSCISA	0+70	0+780	0+800	0+820	0+840	0+860	0+880	0+900	0+920	0+940	0+960	0+980	1+000	1+020	1+040	1+060	1+080	1+100	1+120	1+140	1+160	1+180	1+200	1+220	1+240	1+260	1+280	1+300	1+320	1+340	1+360												

UBICACIÓN DEL PROYECTO

DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA PVC D = 300mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CP	COTA TERRENO
CT	COTA PROYECTO
CII	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

RED DE ALCANTARILADO SANITARIO EL CALVARIO - TISALEO

TISALEO CENTRO

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO TISALEO CENTRO					
PZ-T158	759026.20	985054.99	3289.93	-	3288.50
PZ-T159	759081.10	985009.06	3281.55	3279.38	3279.18
PZ-T160	759168.82	985057.20	3298.76	3296.61	3296.61
PZ-T161	759251.10	985046.57	3264.41	3262.57	3262.57
PZ-T162	759333.74	985068.95	3260.46	3259.18	3258.88
PZ-T163	759408.40	985068.23	3256.47	3255.27	3254.67
PZ-T164	759501.99	985079.13	3249.81	3248.31	3248.31
PZ-T165	759578.31	985072.49	3244.69	3242.95	3242.75
PZ-T166	759627.30	985071.43	3241.09	3238.99	3238.99
PZ-T167	759671.99	985078.28	3236.61	3235.58	3235.48
PZ-T168	759726.10	985078.49	3233.46	3231.66	3231.66
PZ-T169	759786.93	985078.18	3227.49	3224.77	3224.77
PZ-T170	759801.12	985076.34	3227.27	3224.77	3224.77
PZ-T171	759829.48	985077.11	3225.12	3223.32	3223.32
PZ-T172	759871.74	985081.75	3221.09	3219.49	3219.49
PZ-T173	759913.78	985086.74	3218.58	3217.08	3217.08
PZ-T174	759961.87	985089.89	3212.40	3210.70	3210.70
PZ-T175	760040.68	985092.23	3203.28	3201.68	3201.68
PZ-T176	760089.32	985098.76	3198.14	3194.44	3194.44
PZ-T177	760175.03	985102.12	3195.69	3193.89	3193.89
PZ-T178	760242.23	985107.60	3172.28	3175.28	3175.28
TRAMO PUNALICA					
PZ-T178	758932.20	9850531.23	3303.02	-	3300.97
PZ-T179	758949.22	985067.43	3298.46	3296.55	3296.43
PZ-T178	758932.20	9850531.23	3303.02	-	3300.97
PZ-T179	758949.22	985067.43	3298.46	3296.55	3296.43
PZ-T180	758931.46	9850419.08	3299.76	3297.31	3297.31
PZ-T181	758921.25	9850370.96	3298.48	3296.48	3296.48
PZ-T182	758933.42	9850314.87	3297.50	3295.68	3295.68
PZ-T183	758966.53	985024.16	3296.16	3294.76	3294.76
PZ-T184	758956.15	9850195.25	3295.53	3294.02	3294.02
PZ-T185	758926.14	9850155.72	3295.60	3292.50	3292.50
PZ-T186	758936.17	985007.25	3293.34	3291.74	3291.74
PZ-T187	758890.82	9850068.82	3292.47	3290.99	3290.87
TRAMO CARIHUATRAZO					
PZ-T188	758827.70	9850027.20	3295.32	-	3294.12
PZ-T187	758860.82	9850068.82	3292.47	3290.87	3290.87
PZ-T189	758921.21	9850134.97	3291.25	3289.35	3289.35
PZ-T190	758990.74	985006.36	3298.96	3297.96	3297.96
PZ-T191	759050.21	9850268.57	3282.94	3281.70	3281.40
PZ-T192	759079.97	9850295.22	3277.87	3275.87	3275.57
PZ-T193	759154.15	9850316.11	3272.68	3271.13	3270.63
PZ-T194	759224.15	9850344.25	3265.91	3264.26	3264.26
PZ-T195	759245.38	9850356.01	3261.40	3258.68	3258.48
PZ-T196	759311.87	985044.48	3252.27	3251.17	3250.17
PZ-T197	759396.12	9850487.97	3249.78	3247.88	3247.88
PZ-T198	759453.95	9850509.30	3245.27	3243.67	3243.67
PZ-T199	759494.08	9850538.46	3243.98	3241.98	3241.98
PZ-T141	758537.86	9850578.80	3239.73	3237.25	3237.23
TRAMO REAL AUDIENCIA					
PZ-T179	758923.82	9850505.21	3323.89	-	3300.90
PZ-T200	758966.98	9850502.11	3294.15	3292.95	3292.95
PZ-T201	759024.88	9850505.99	3289.17	3290.12	3279.47
PZ-T202	759108.14	9850538.35	3278.82	3274.57	3274.52
PZ-T203	759186.04	9850547.97	3265.11	3262.97	3262.91
PZ-T204	759269.96	9850569.31	3257.44	3255.38	3255.38
PZ-T205	759357.21	9850586.73	3256.50	3254.79	3254.73
PZ-T206	759430.75	9850605.58	3251.51	3250.11	3250.07
PZ-T207	759477.99	9850610.32	3242.83	3241.81	3241.81
PZ-T208	759525.05	9850616.14	3242.86	3240.72	3240.65

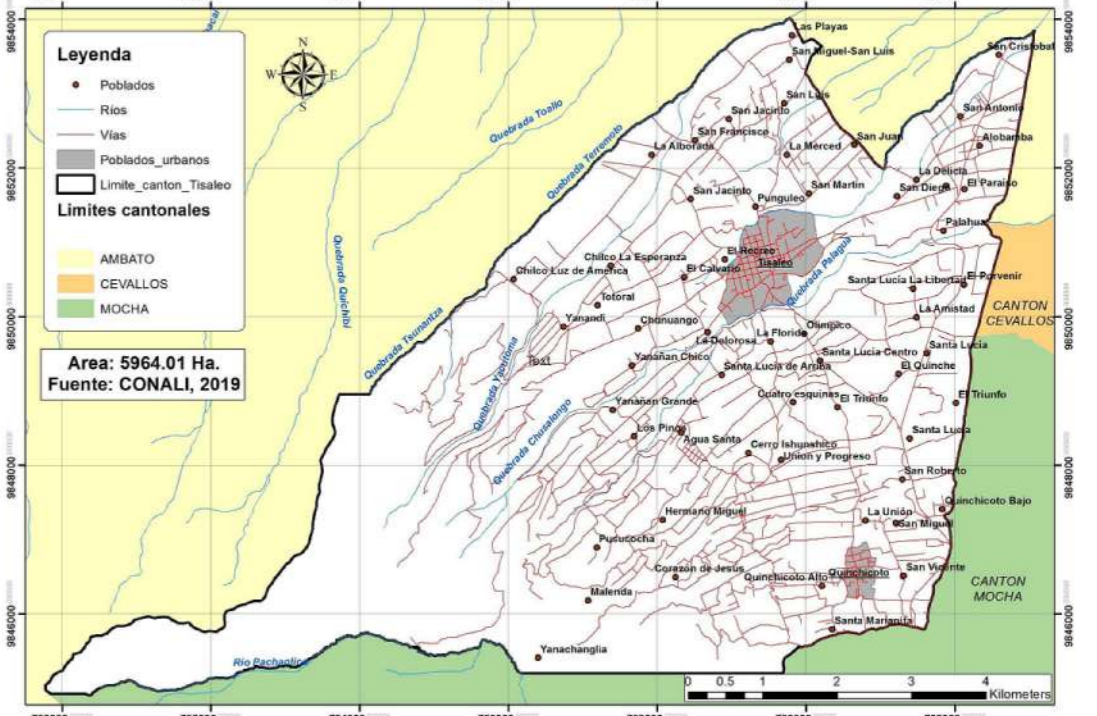
G.A.D. MUNICIPAL DEL CANTÓN TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUI"

CONTIENE:	RED DE ALCANTARILADO SANITARIO EL CALVARIO - TISALEO, TRAMO REPUBLICA.		
PROVINCIA:	TUNGURAHUI	CANTÓN:	TISALEO
FECHA:	OCTUBRE, 2023	ESCALA:	1:1000
ELABORADO POR:	Ing. Galy Núñez Tutor	APROBADO POR:	Ing. Galy Núñez Tutor
REVISADO POR:	Ing. Galy Núñez Tutor	LÁMINA:	LÁMINA 1
TOTAL LÁMINAS:	30		

TISALEO CENTRO

UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E
 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

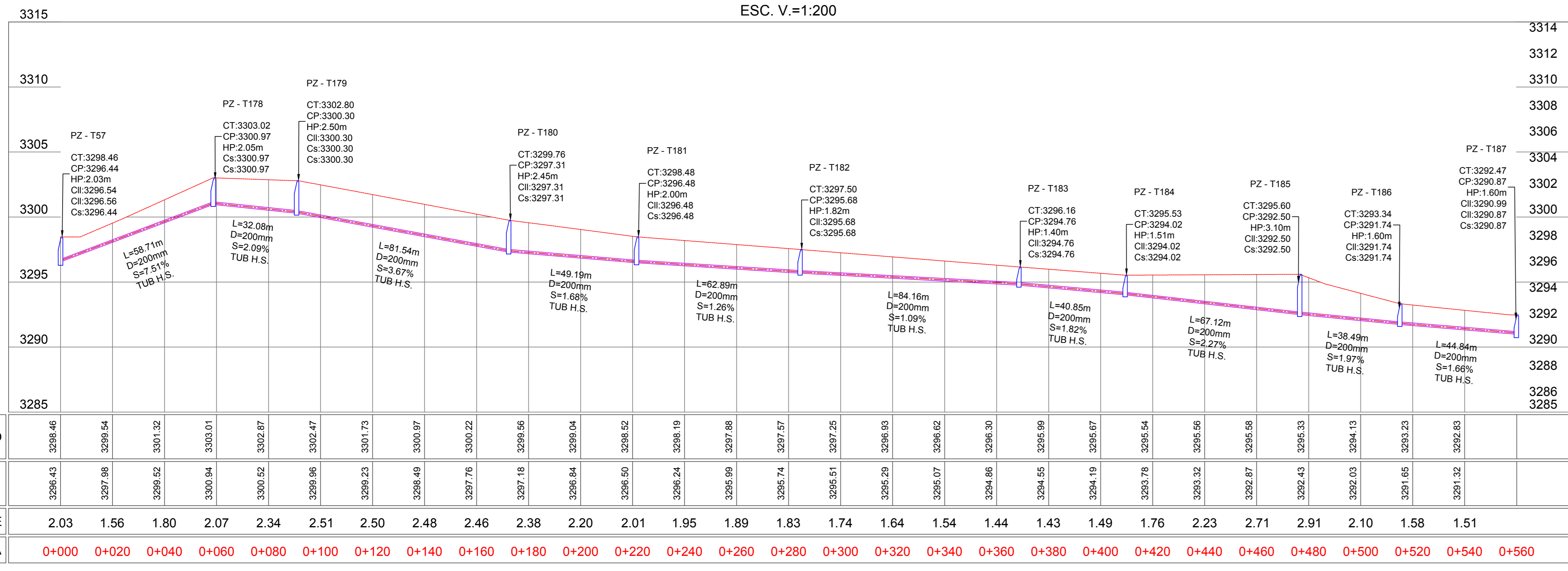
- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA PVC D = 300mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENO
- CP COTA PROYECTO
- CII COTA DE LLEGADA
- Cs COTA DE SALIDA
- HP ALTURA DE POZO

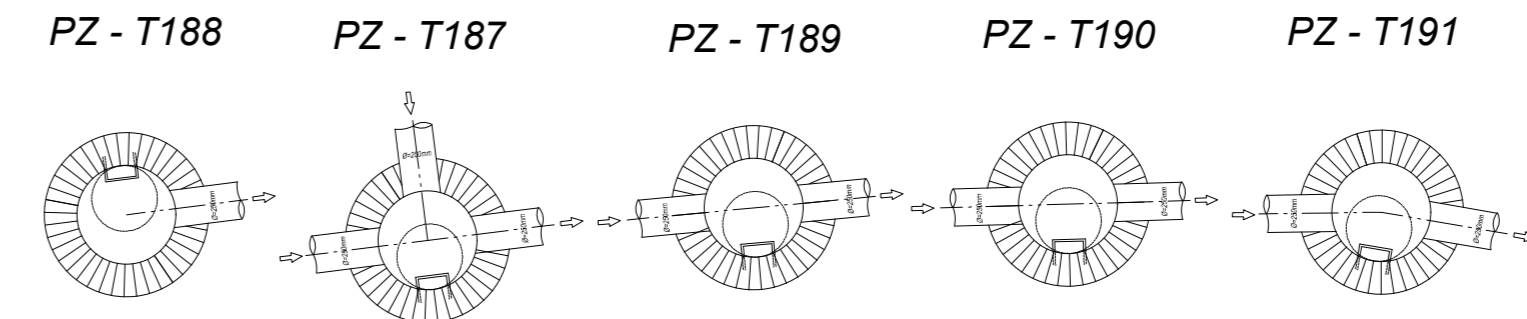
RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO REPÚBLICA					
PZ-1158	759026.20	9850594.99	3289.93	-	3288.50
PZ-1159	759081.10	9850598.06	3281.55	3279.38	3279.18
PZ-1160	759169.82	9850617.20	3298.76	3296.61	3296.61
PZ-1161	759251.10	9850646.57	3284.41	3282.57	3282.57
PZ-1162	759333.74	9850689.95	3260.46	3259.18	3258.88
PZ-1163	759408.40	9850688.23	3256.47	3255.27	3254.87
PZ-1159	759501.99	9850709.13	3249.81	3248.31	3248.31
PZ-1164	759578.31	9850722.49	3244.69	3242.95	3242.75
PZ-1165	759627.30	9850711.43	3241.99	3238.99	3238.99
PZ-1166	759671.99	9850738.29	3236.61	3235.58	3235.48
PZ-1167	759726.10	9850758.49	3233.46	3231.66	3231.66
PZ-1168	759798.93	9850781.19	3227.49	3226.29	3226.29
PZ-1169	759880.12	9850783.49	3227.27	3224.77	3224.77
PZ-1170	759829.48	9850774.11	3225.12	3223.32	3223.32
PZ-1171	759871.74	9850781.51	3221.99	3219.49	3219.49
PZ-1172	759913.78	9850867.64	3218.58	3217.08	3217.08
PZ-1173	759961.87	9850899.89	3212.40	3210.70	3210.70
PZ-1174	760040.68	9850922.23	3203.28	3201.68	3201.68
PZ-1175	760089.32	9850987.66	3198.14	3194.44	3194.44
PZ-1176	760175.03	9851002.12	3195.69	3183.89	3183.89
PZ-1177	760242.23	9851018.40	3177.28	3175.28	3175.28
TRAMO PUÑALICA					
PZ-1178	758932.20	9850531.23	3303.02	-	3300.97
PZ-1179	758949.22	9850587.43	3298.46	3296.55	3296.43
PZ-1178	758932.20	9850531.23	3303.02	-	3300.97
PZ-1179	758949.22	9850587.43	3298.46	3296.55	3296.43
PZ-1180	758931.46	9850419.08	3299.76	3297.31	3297.31
PZ-1181	758921.25	9850370.96	3298.48	3296.48	3296.48
PZ-1182	758903.42	9850334.18	3297.50	3295.68	3295.68
PZ-1183	758888.53	9850244.16	3296.16	3294.76	3294.76
PZ-1184	758856.15	9850195.25	3295.53	3294.02	3294.02
PZ-1185	758826.14	9850155.72	3295.60	3292.50	3292.50
PZ-1186	758806.17	9850091.54	3295.34	3291.14	3291.14
PZ-1187	758780.82	9850068.82	3292.47	3290.99	3290.87
TRAMO CARIHUAYAZO					
PZ-1188	758827.70	9850129.11	3292.32	-	3294.12
PZ-1187	758806.82	9850068.82	3292.47	3290.87	3290.87
PZ-1189	758821.21	9850134.97	3291.25	3289.35	3289.35
PZ-1190	758890.74	9850091.54	3296.86	3297.56	3297.56
PZ-1191	759050.21	9850268.57	3282.94	3281.70	3281.40
PZ-1192	759079.97	9850292.22	3277.87	3275.87	3275.57
PZ-1193	759154.15	9850316.11	3272.68	3271.33	3270.63
PZ-1194	759224.15	9850344.25	3265.91	3264.26	3264.26
PZ-1195	759245.38	9850396.01	3261.40	3258.68	3258.48
PZ-1196	759311.87	9850444.68	3252.27	3251.17	3251.17
PZ-1197	759396.12	9850487.97	3248.78	3247.88	3247.88
PZ-1198	759453.95	9850559.30	3245.27	3243.67	3243.67
PZ-1199	759494.08	9850538.46	3243.98	3241.98	3241.98
PZ-1200	759537.86	9850518.80	3239.73	3237.23	3237.23
TRAMO REAL AUDIENCIA					
PZ-1199	759494.08	9850538.46	3243.98	3241.98	3241.98
PZ-1200	759537.86	9850518.80	3239.73	3237.23	3237.23
PZ-1201	759624.88	9850505.99	3289.17	3280.12	3279.47
PZ-1202	759698.14	9850508.35	3278.82	3274.37	3274.37
PZ-1204	759186.04	9850547.97	3265.11	3262.97	3262.91
PZ-1205	759269.98	9850569.31	3259.44	3255.58	3255.58
PZ-1206	759357.21	9850586.73	3256.50	3254.79	3254.73
PZ-1207	759430.75	9850605.58	3251.51	3250.11	3250.07
PZ-1208	759477.99	9850610.32	3242.83	3241.81	3241.81
PZ-1210	759525.05	9850616.14	3242.86	3240.72	3240.65

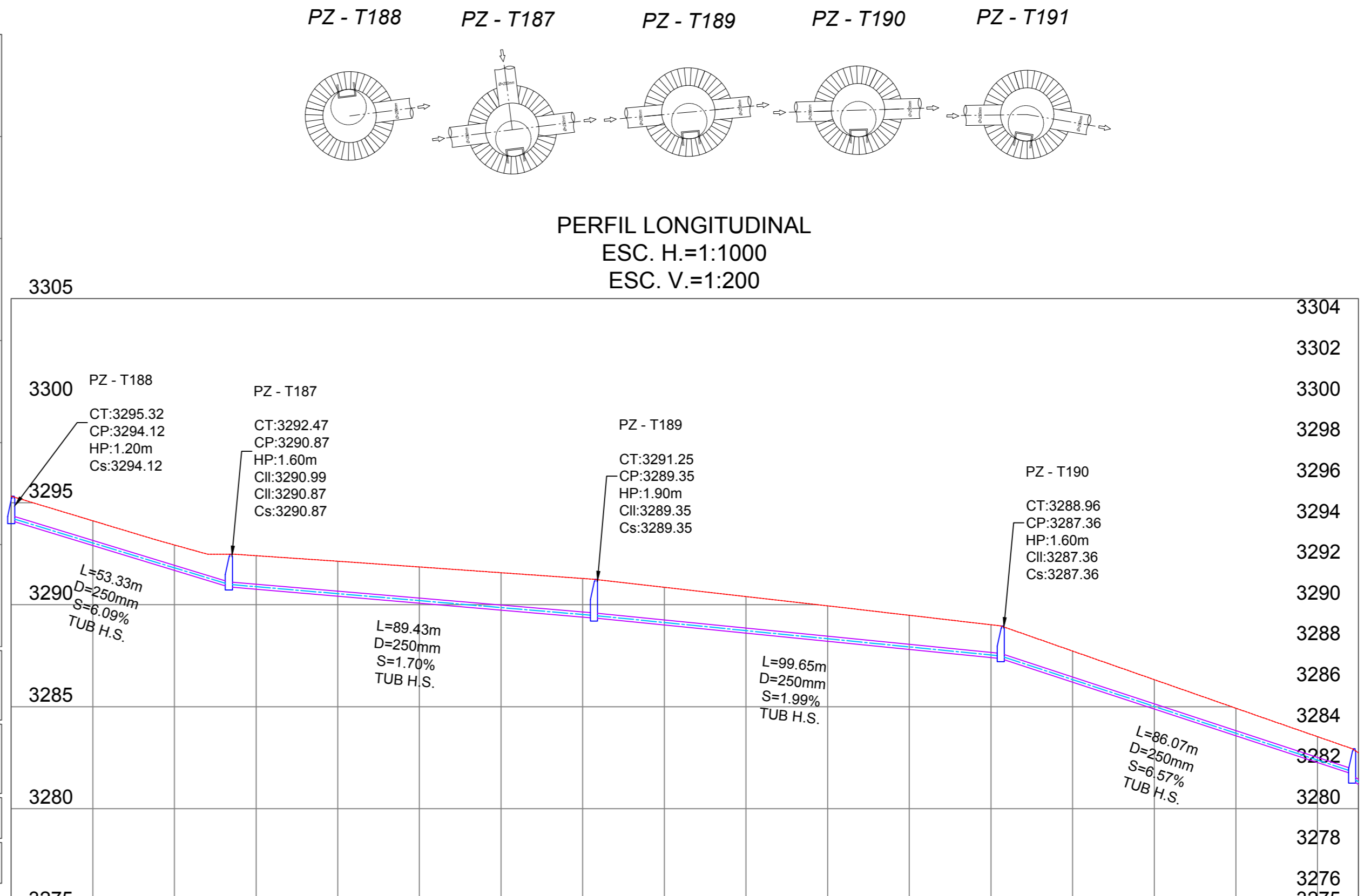
PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200



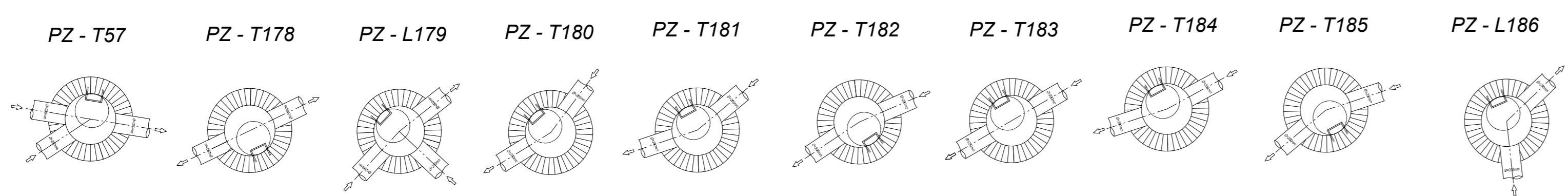
DETALLES POZOS



PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200



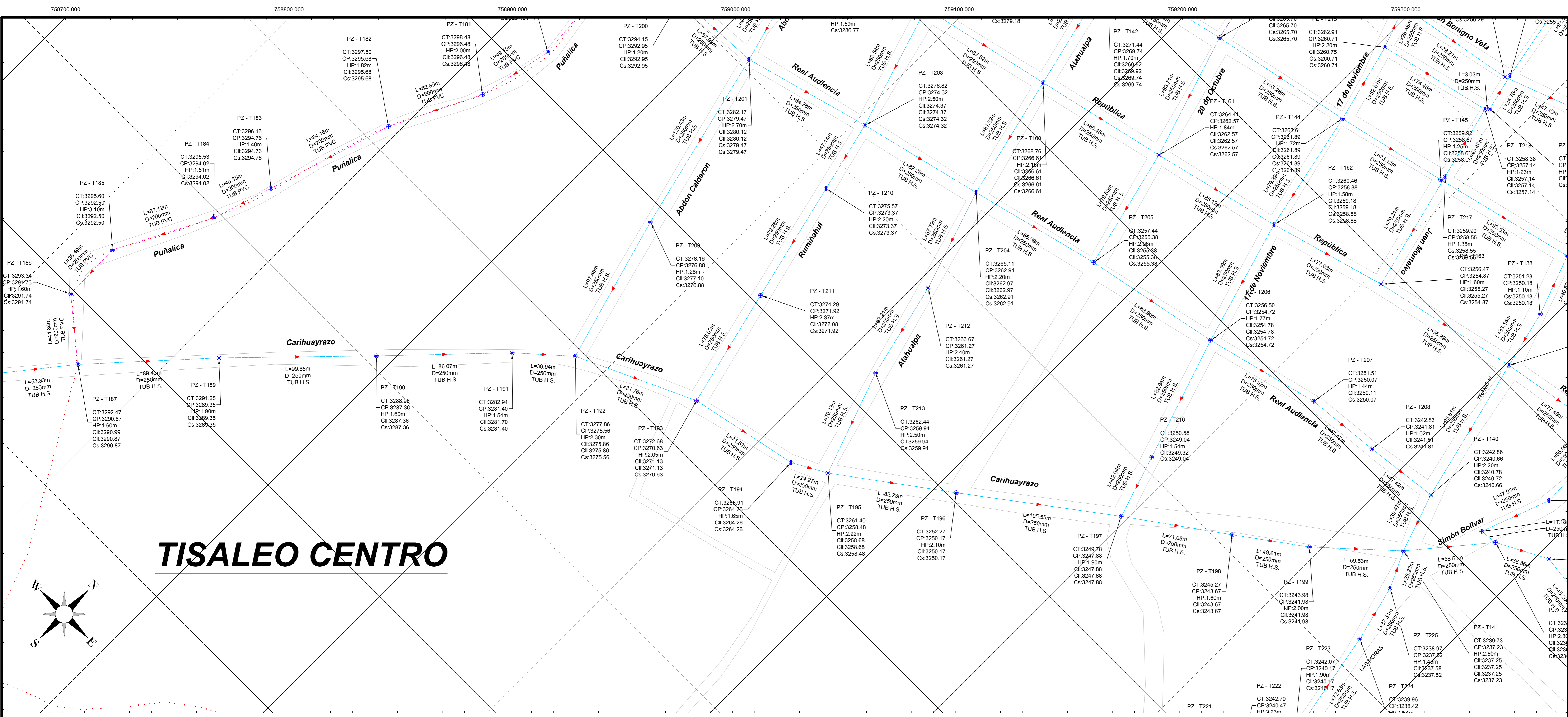
DETALLES POZOS



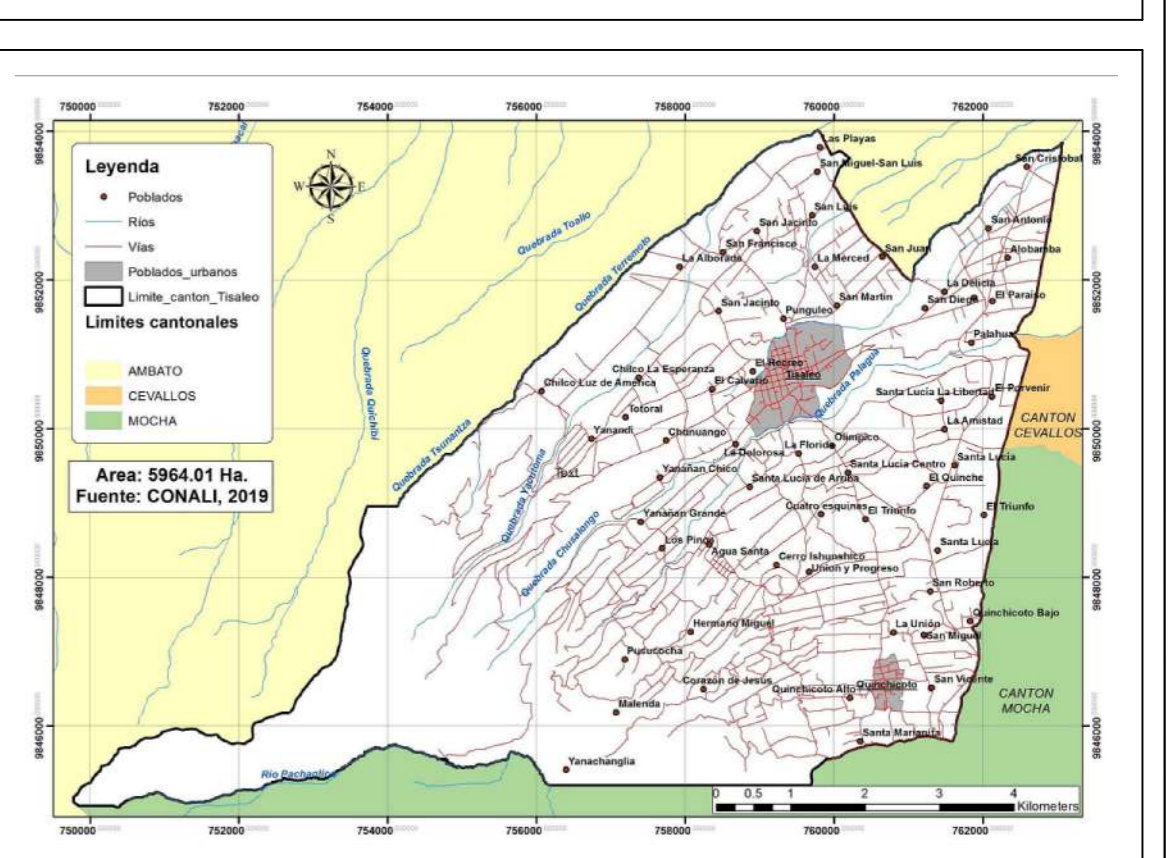
POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ-T188	758932.20	9850531.23	3303.02	-	3300.97
PZ-T187	758949.22	9850587.43	3298.46	3296.55	3296.43
PZ-T189	758821.21	9850134.97	3291.25	3289.35	3289.35
PZ-T190	758890.74	9850091.54	3296.86	3297.56	3297.56
PZ-T191	759050.21	9850268.57	3282.94	3281.70	3281.40
PZ-T192	759079.97	9850292.22	3277.87	3275.87	3275.57
PZ-T193	759154.15	9850316.11	3272.68	3271.33	3270.63
PZ-T194	759224.15	9850344.25	3265.91	3264.26	3264.26
PZ-T195	759245.38	9850396.01	3261.40	3258.68	3258.48
PZ-T196	759311.87	9850444.68	3252.27	3251.17	3251.17
PZ-T197	759396.12	9850487.97	3248.78	3247.88	3247.88
PZ-T198	759453.95	9850559.30	3245.27	3243.67	3243.67
PZ-T199	759494.08	9850538.46	3243.98	3241.98	3241.98
PZ-T200	759537.86	9850518.80	3239.73	3237.23	3237.23
PZ-T201	759624.88	9850505.99	3289.17	3280.12	3279.47
PZ-T202	759698.14	9850508.35	3278.82	3274.37	3274.37
PZ-T204	759186.04	9850547.97	3265.11	3262.97	3262.91
PZ-T205	759269.98	9850569.31	3259.44	3255.58	3255.58
PZ-T206	759357.21	9850586.73	3256.50	3254.79	3254.73
PZ-T207	759430.75	9850605.58	3251.51	3250.11	3250.07
PZ-T208	759477.99	9850610.32	3242.83	3241.81	3241.81
PZ-T210	759525.05	9850616.14	3242.86	3240.72	3240.65

G.A.D. MUNICIPAL DEL CANTON TISALEO
 "CATÁSTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDABANDA, SANTA LUCÍA-LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO, TRAMO PUÑALICA, TRAMO CARIHUAYAZO.	PROVINCIA: TUNGURAHUA	CANTÓN: TISALEO	SECTOR: TISALEO CENTRO
UNIVERSIDAD TÉCNICA DE AMBATO	FECHA: OCTUBRE 2022	ESCALA: 1:1000	TOTAL LÁMINAS: 30
FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA	ELABORADO POR: Ing. Gaby Núñez Tutor	REVISADO POR: Ing. Gaby Núñez Tutor	APROBADO POR: Ing. Gaby Núñez Tutor



UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E, 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA PVC D = 300mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALES / VÍAS
- LÍMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CII	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

RED DE ALCANTARILLADO SANTUARIO EL CALVARIO - TISALEO

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO CENTRO					
PZ-T158	759026.20	9850594.99	3289.93	-	3288.50
PZ-T159	759081.10	9850598.06	3281.55	3279.38	3279.18
PZ-T160	759168.82	9850720.20	3298.76	3296.61	3296.61
PZ-T161	759251.10	9850646.57	3284.41	3282.57	3282.57
PZ-T162	759333.74	9850698.95	3290.46	3289.18	3288.88
PZ-T163	759408.40	9850688.23	3295.47	3293.47	3293.47
PZ-T164	759478.31	9850722.49	3294.69	3292.95	3292.75
PZ-T165	759527.30	9850714.43	3291.59	3289.89	3289.89
PZ-T166	759576.91	9850738.29	3296.61	3294.95	3294.75
PZ-T167	759626.10	9850762.49	3293.46	3291.66	3291.66
PZ-T168	759675.93	9850786.19	3297.49	3295.29	3295.29
PZ-T169	759725.12	9850810.49	3292.77	3290.77	3290.77
PZ-T170	759774.14	9850834.74	3292.12	3290.32	3290.32
PZ-T171	759823.16	9850858.99	3291.99	3290.49	3290.49
PZ-T172	759872.18	9850883.24	3291.58	3290.58	3290.58
PZ-T173	759921.19	9850907.49	3291.44	3290.70	3290.70
PZ-T174	759970.21	9850931.74	3291.27	3290.82	3290.82
PZ-T175	760019.23	9850955.99	3291.14	3290.94	3290.94
PZ-T176	760068.25	9850980.24	3291.01	3291.08	3291.08
PZ-T177	760117.27	9851004.49	3290.88	3291.20	3291.20
TRAMO PUÑALICA					
PZ-T178	759832.20	9850531.23	3303.02	-	3300.97
PZ-T179	759881.22	9850555.48	3298.46	-	3296.43
PZ-T180	759930.24	9850579.73	3293.90	-	3291.87
PZ-T181	759979.26	9850603.98	3289.34	-	3287.31
PZ-T182	760028.28	9850628.23	3284.78	-	3282.75
PZ-T183	760077.30	9850652.48	3280.22	-	3278.19
PZ-T184	760126.32	9850676.73	3275.66	-	3273.63
PZ-T185	760175.34	9850700.98	3271.10	-	3269.07
PZ-T186	760224.36	9850725.23	3266.54	-	3264.51
PZ-T187	760273.38	9850749.48	3262.00	-	3260.00
TRAMO CARHUAYRAZO					
PZ-T188	759827.70	9850527.20	3295.32	-	3294.12
PZ-T189	759876.72	9850551.45	3290.76	-	3289.56
PZ-T190	759925.74	9850575.70	3286.20	-	3285.00
PZ-T191	759974.76	9850600.00	3281.64	-	3280.44
PZ-T192	760023.78	9850624.25	3277.08	-	3275.88
PZ-T193	760072.80	9850648.50	3272.52	-	3271.32
PZ-T194	760121.82	9850672.75	3267.96	-	3266.76
PZ-T195	760170.84	9850697.00	3263.40	-	3262.20
PZ-T196	760219.86	9850721.25	3258.84	-	3257.64
PZ-T197	760268.88	9850745.50	3254.28	-	3253.08
PZ-T198	760317.90	9850769.75	3249.72	-	3248.52
PZ-T199	760366.92	9850794.00	3245.16	-	3243.96
PZ-T200	760415.94	9850818.25	3240.60	-	3239.40
PZ-T201	760464.96	9850842.50	3236.04	-	3234.84
PZ-T202	760513.98	9850866.75	3231.48	-	3230.28
PZ-T203	760562.00	9850891.00	3226.92	-	3225.72
PZ-T204	760611.02	9850915.25	3222.36	-	3221.16
PZ-T205	760660.04	9850939.50	3217.80	-	3216.60
PZ-T206	760709.06	9850963.75	3213.24	-	3212.04
PZ-T207	760758.08	9850988.00	3208.68	-	3207.48
PZ-T208	760807.10	9851012.25	3204.12	-	3202.92
PZ-T209	760856.12	9851036.50	3199.56	-	3198.36
PZ-T210	760905.14	9851060.75	3195.00	-	3193.80
PZ-T211	760954.16	9851085.00	3190.44	-	3189.24
PZ-T212	761003.18	9851109.25	3185.88	-	3184.68
PZ-T213	761052.20	9851133.50	3181.32	-	3180.12
PZ-T214	761101.22	9851157.75	3176.76	-	3175.56
TRAMO REAL AUDIENCIA					
PZ-T215	759823.82	9850527.21	3303.80	-	3300.80
PZ-T216	759872.84	9850551.46	3299.24	-	3297.21
PZ-T217	759921.86	9850575.71	3294.68	-	3292.65
PZ-T218	759970.88	9850600.01	3290.12	-	3288.09
PZ-T219	760019.90	9850624.26	3285.56	-	3283.53
PZ-T220	760068.92	9850648.51	3281.00	-	3278.97
PZ-T221	760117.94	9850672.76	3276.44	-	3274.41
PZ-T222	760166.96	9850697.01	3271.88	-	3269.85
PZ-T223	760215.98	9850721.26	3267.32	-	3265.29
PZ-T224	760264.00	9850745.51	3262.76	-	3260.73

G.A.D. MUNICIPAL DEL CANTON TISALEO

CONTIENE: RED DE ALCANTARILLADO SANTUARIO EL CALVARIO - TISALEO, TRAMO CARHUAYRAZO.

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: TISALEO CENTRO

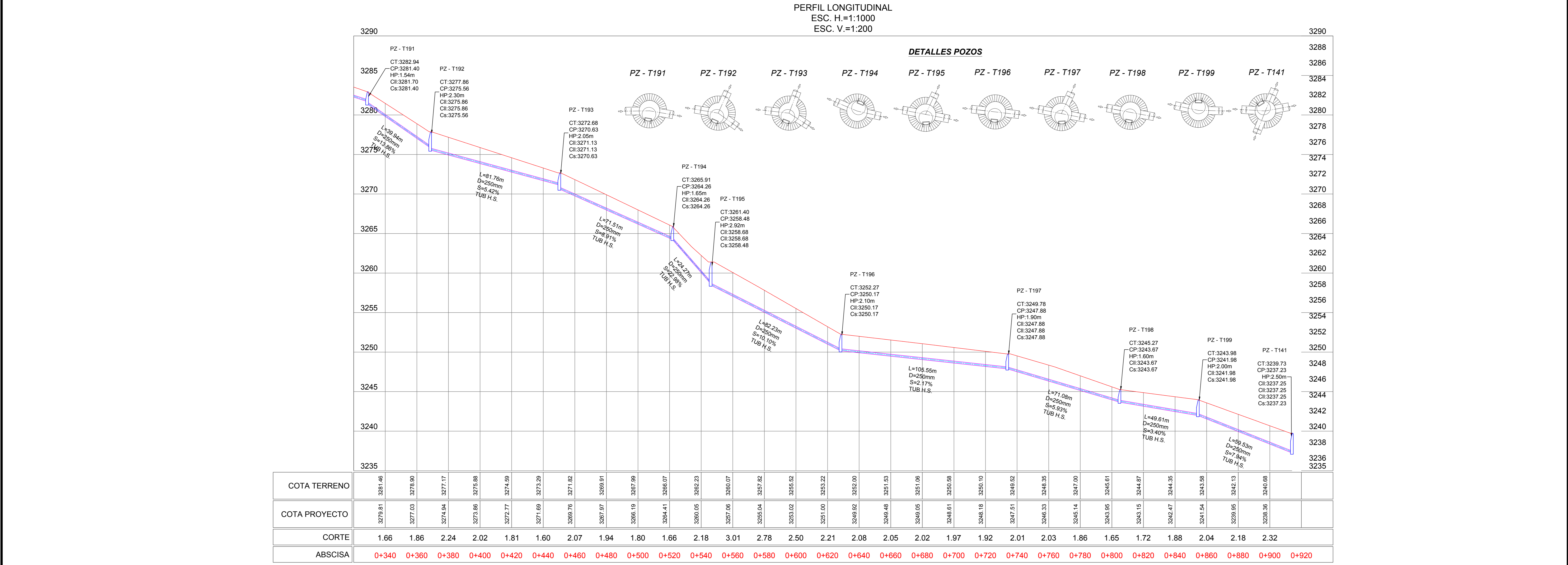
UNIVERSIDAD TÉCNICA DE AMBATO FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA CÁTEDRA DE INGENIERÍA

FECHA: OCTUBRE, 2022 ESCALA: 1:1000

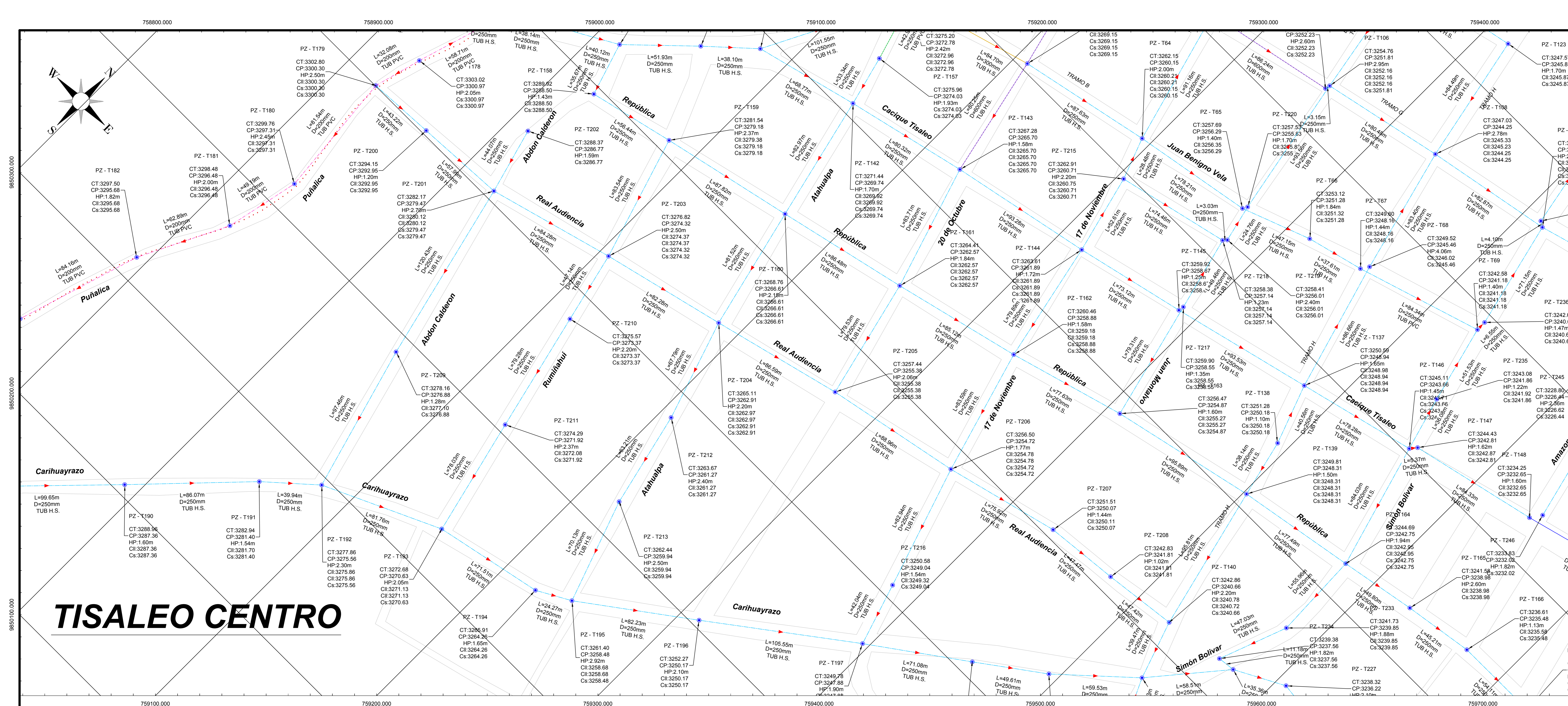
ELABORADO POR: REVISADO POR: APROBADO POR:

Ing. Galo Núñez Tutor Ing. Galo Núñez Tutor

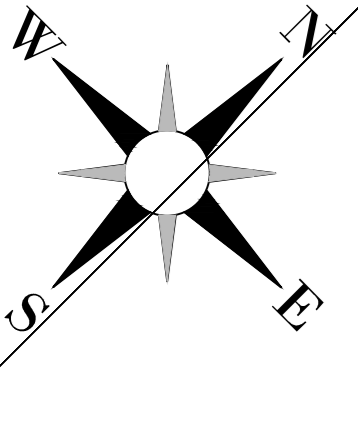
TOTAL LÁMINAS: 30 LÁMINA 16



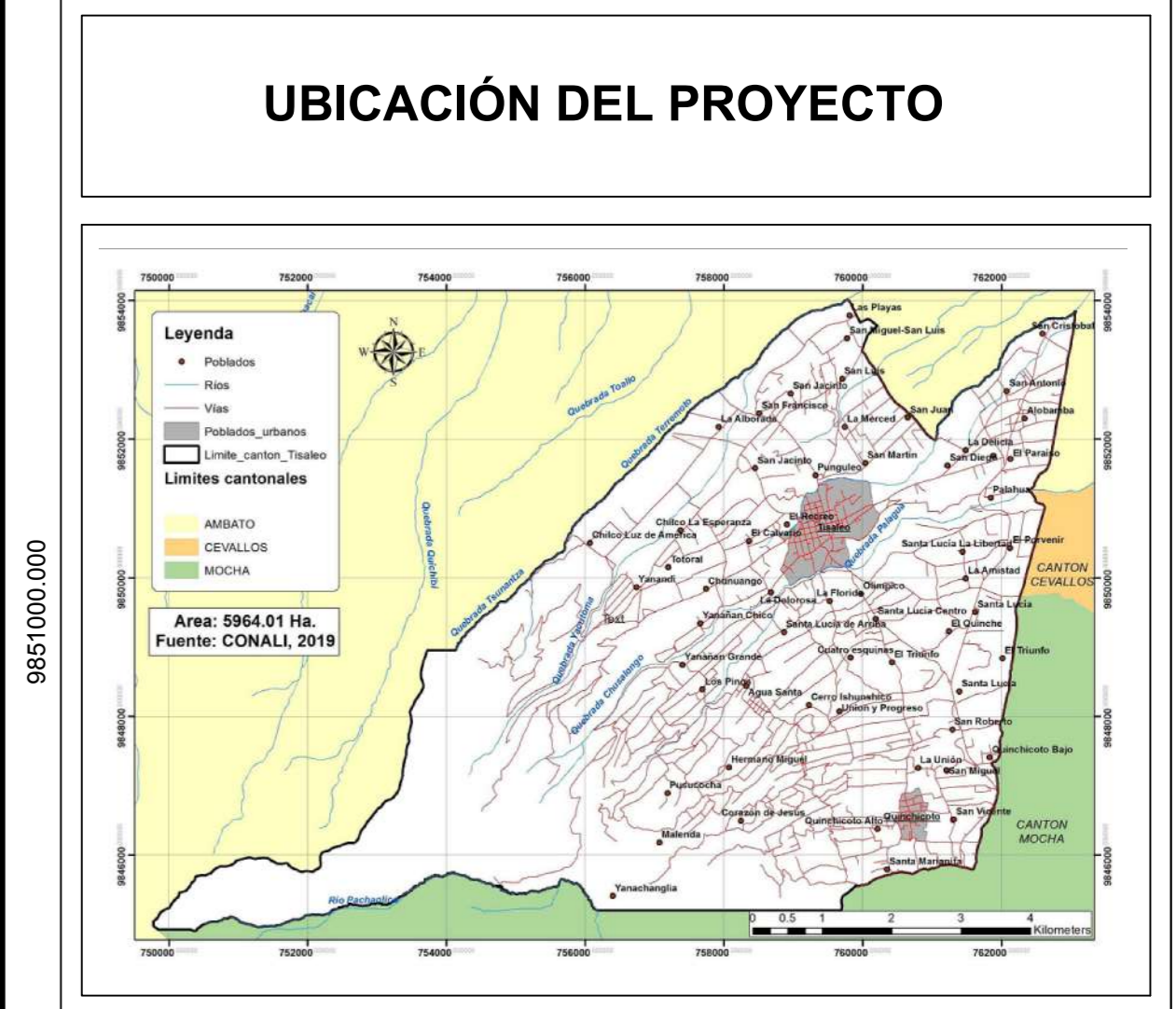
ABCISA	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580	0+600	0+620	0+640	0+660	0+680	0+700	0+720	0+740	0+760	0+780	0+800	0+820	0+840	0+860	0+880	0+900	0+920	
COTA TERRENO	3281.46	3281.81	3282.04	3282.27	3282.50	3282.73	3282.96	3283.19	3283.42	3283.65	3283.88	3284.11	3284.34	3284.57	3284.80	3285.03	3285.26	3285.49	3285.72	3285.95	3286.18	3286.41	3286.64	3286.87	3287.10	3287.33	3287.56	3287.79	3288.02	3288.25	3288.48
COTA PROYECTO	3279.81	3280.16	3280.49	3280.82	3281.15	3281.48	3281.81	3282.14	3282.47	3282.80	3283.13	3283.46	3283.79	3284.12	3284.45	3284.78	3285.11	3285.44	3285.77	3286.10	3286.43	3286.76	3287.09	3287.42	3287.75	3288.08	3288.41	3288.74	3289.07	3289.40	3289.73
CORTE	1.66	1.86	2.24	2.02	1.81	1.60	2.07	1.94	1.80	1.66	2.18	3.01	2.78	2.50	2.21	2.08	2.05	2.02	1.97	1.92	2.01	2.03	1.86	1.65	1.72	1.88	2.04	2.18	2.32		



TISALEO CENTRO



9850200.000
9850200.000
9850100.000



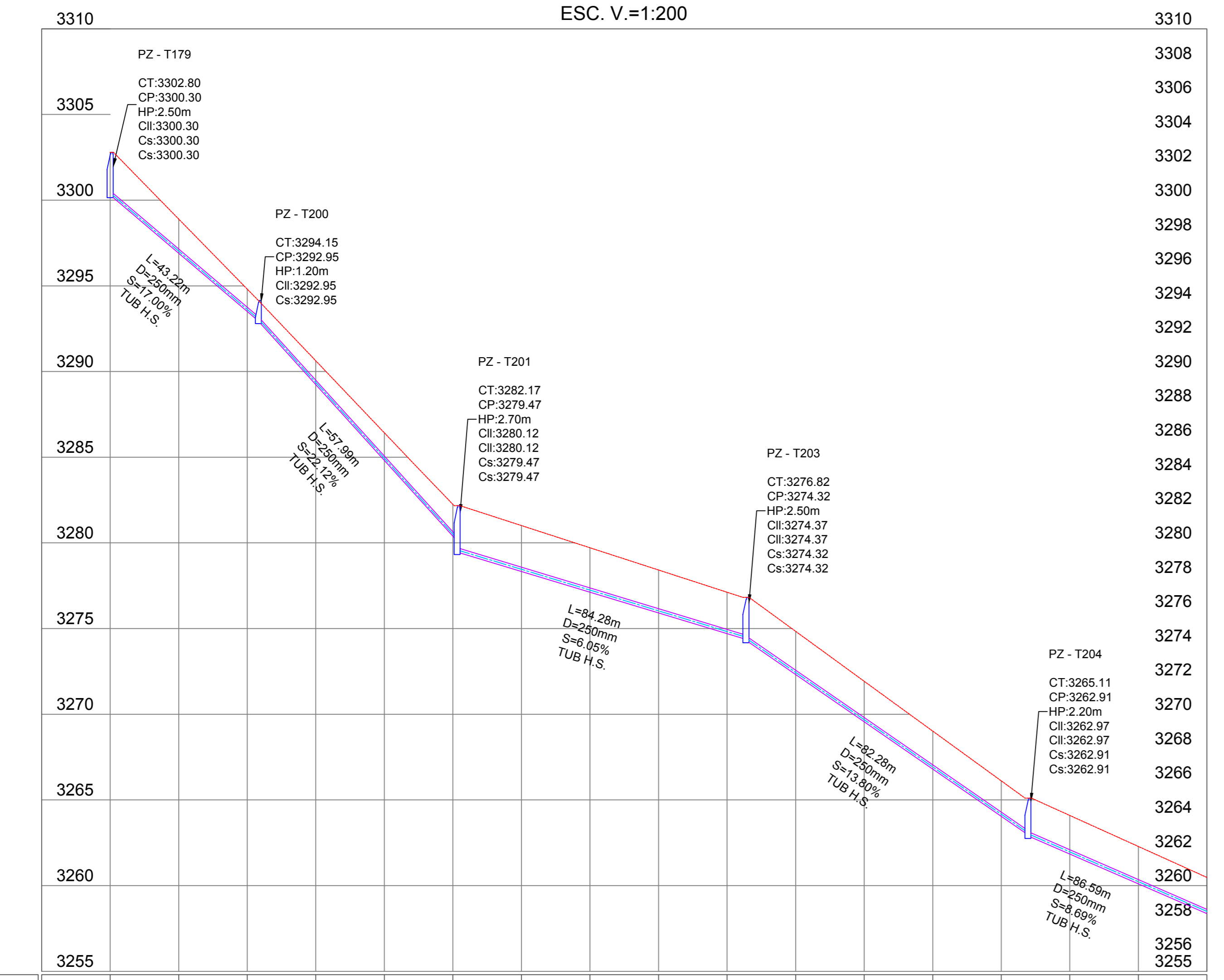
DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E, 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

- ### SIMBOLOGÍA
- TUBERÍA PVC D = 200mm
 - TUBERÍA PVC D = 250mm
 - TUBERÍA H.S. D = 300mm
 - TUBERÍA H.S. D = 300mm
 - TUBERÍA H.S. D = 400mm
 - TUBERÍA H.S. D = 600mm
 - POZO DE REVISIÓN
 - PERFIL DEL TERRENO
 - CALES / VÍAS
 - LÍMITES TERRITORIALES

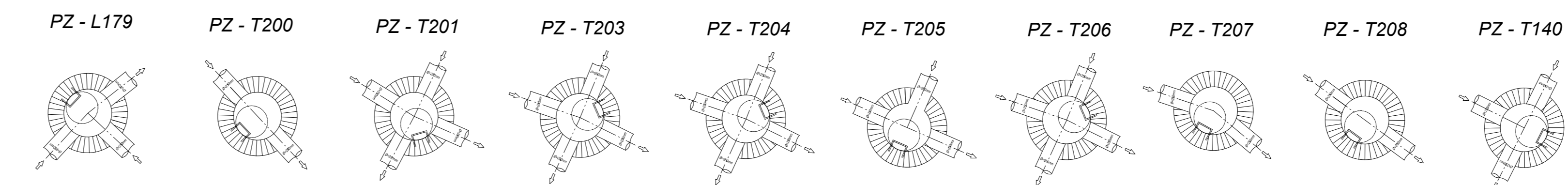
L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
Cs	COTA DE LLEGADA
HP	COTA DE SALIDA
ALTURA DE POZO	

PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200

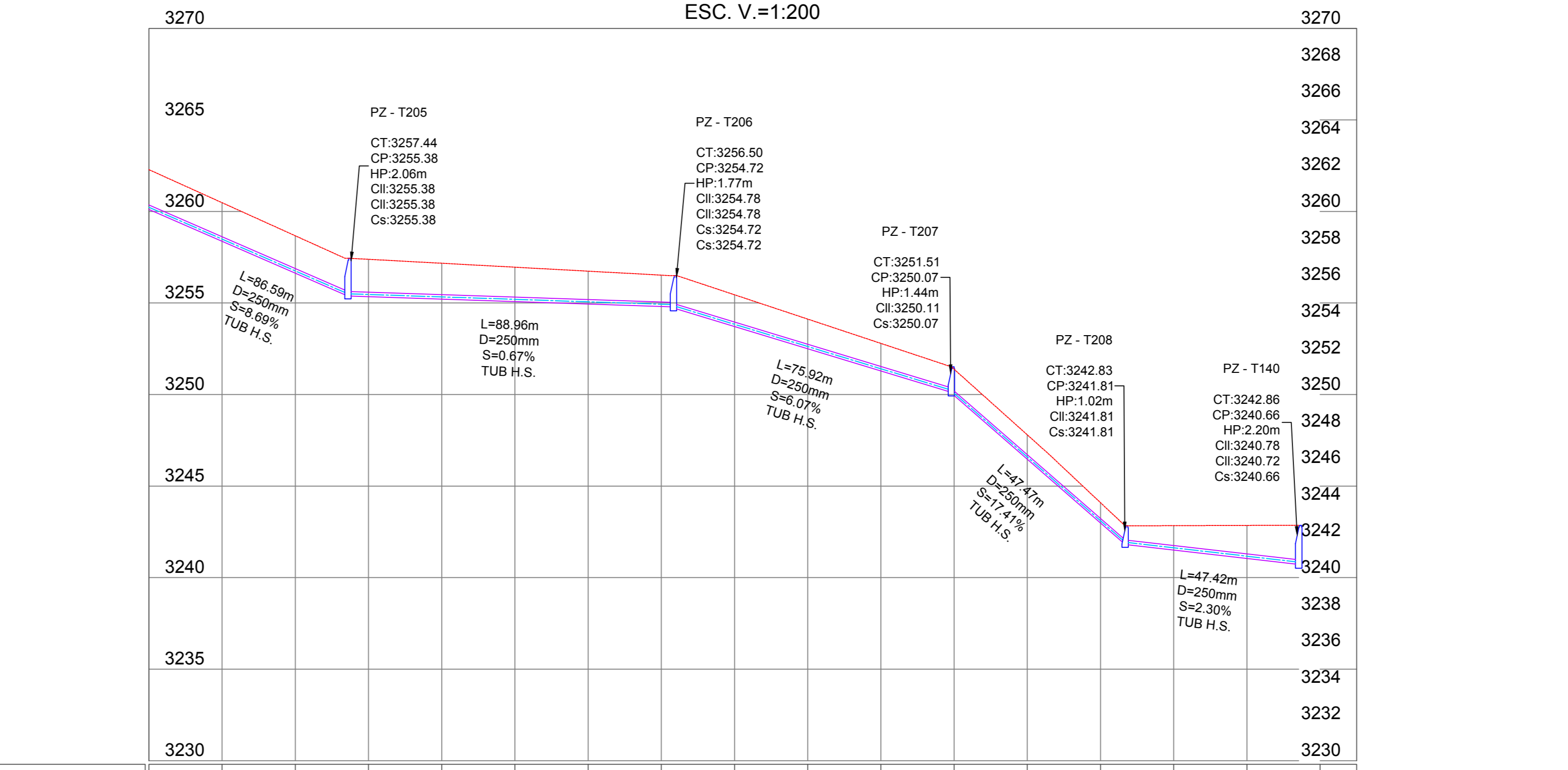


COTA TERRENO	3302.80	3302.80	3302.80	3302.80	3302.80	3302.80	3302.80	3302.80	3302.80	3302.80	3302.80	3302.80	3302.80	3302.80	3302.80
COTA PROYECTO	3300.30	3300.30	3300.30	3300.30	3300.30	3300.30	3300.30	3300.30	3300.30	3300.30	3300.30	3300.30	3300.30	3300.30	3300.30
CORTE	2.50	2.00	1.31	1.39	1.61	1.86	2.68	2.59	2.51	2.42	2.52	2.37	2.22	2.07	2.25
ABSCISA	+0+00	+0+20	+0+40	+0+60	+0+80	+0+100	+0+120	+0+140	+0+160	+0+180	+0+200	+0+220	+0+240	+0+260	+0+280

DETALLES POZOS



PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200



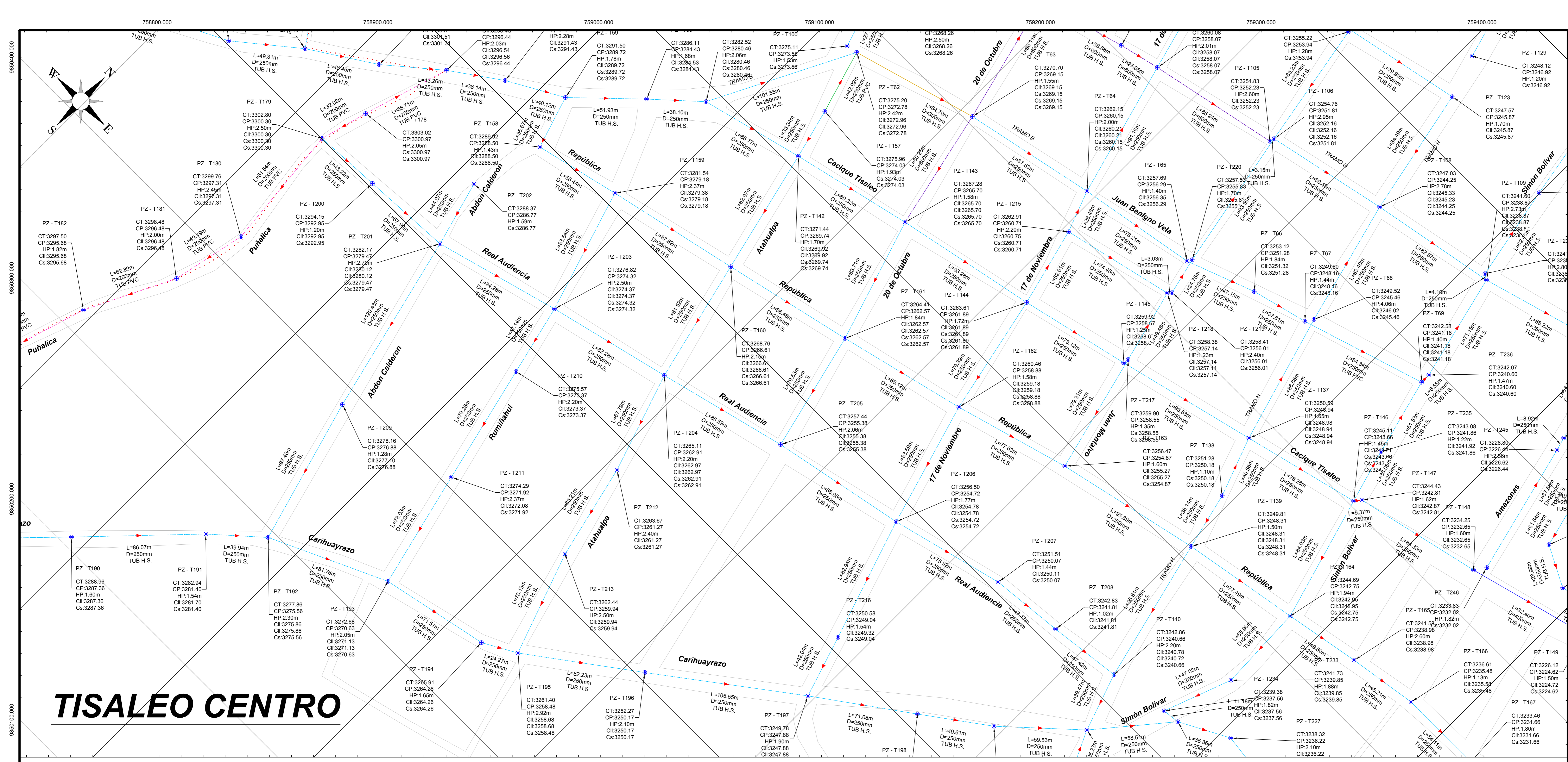
COTA TERRENO	3270	3270	3270	3270	3270	3270	3270	3270	3270	3270	3270	3270	3270	3270	3270
COTA PROYECTO	3258.37	3258.37	3258.37	3258.37	3258.37	3258.37	3258.37	3258.37	3258.37	3258.37	3258.37	3258.37	3258.37	3258.37	3258.37
CORTE	2.11	2.04	2.05	1.98	1.91	1.84	1.77	1.74	1.62	1.51	1.44	1.34	1.11	1.33	1.81
ABSCISA	+0+320	+0+340	+0+360	+0+380	+0+400	+0+420	+0+440	+0+460	+0+480	+0+500	+0+520	+0+540	+0+560	+0+580	+0+620

RED DE ALCANTARILADO SANITARIO EL CALVARIO - TISALEO

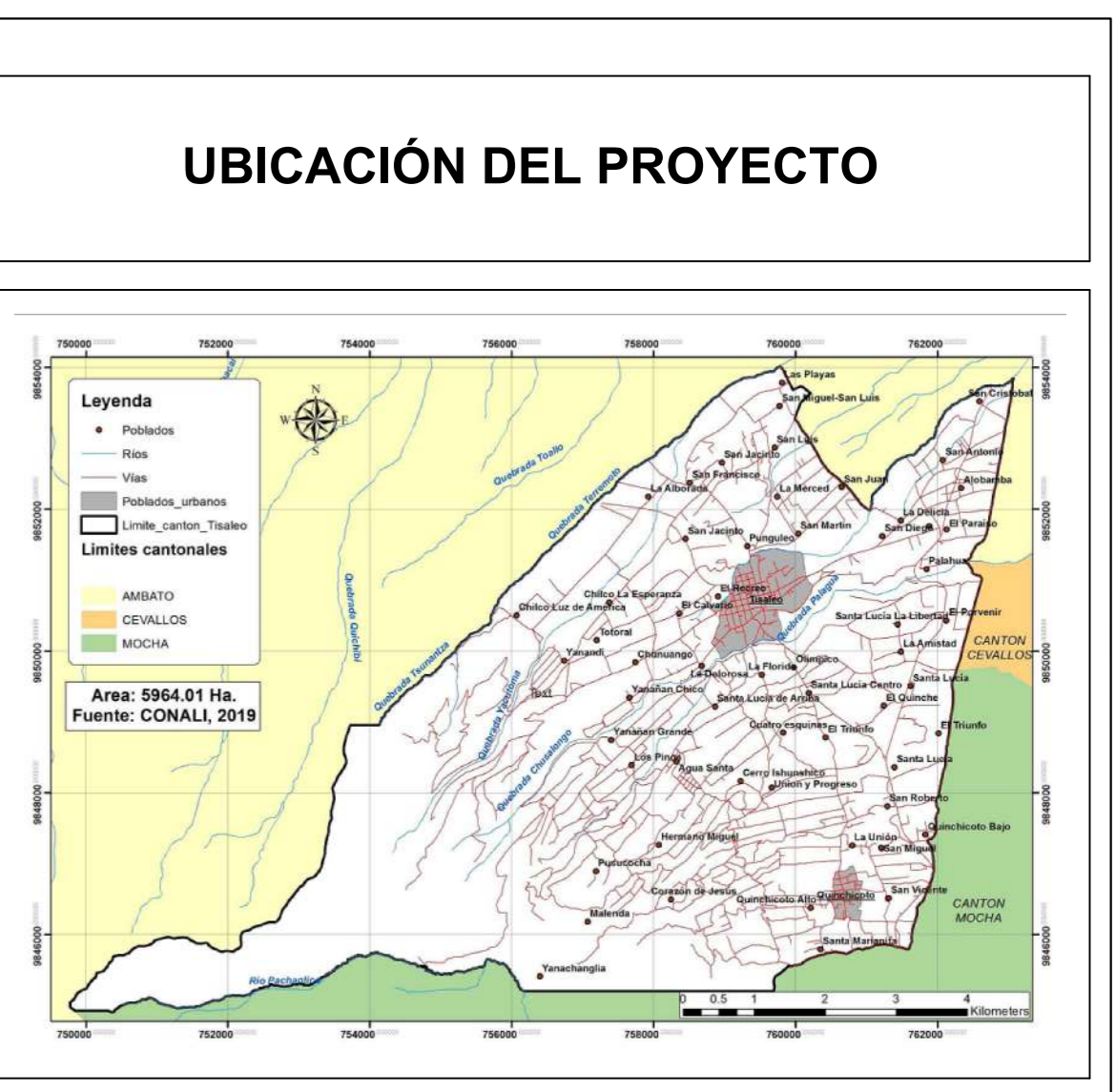
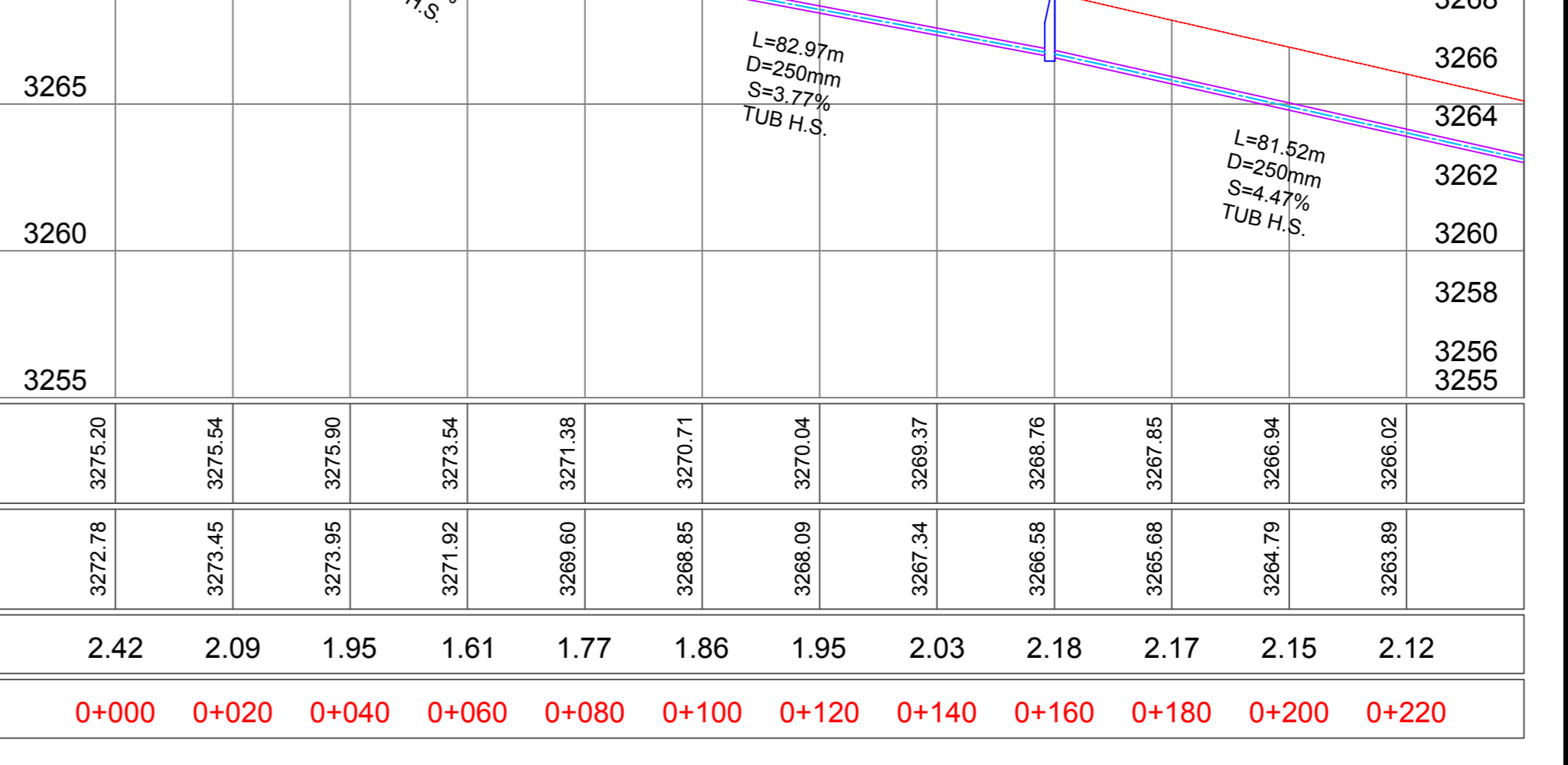
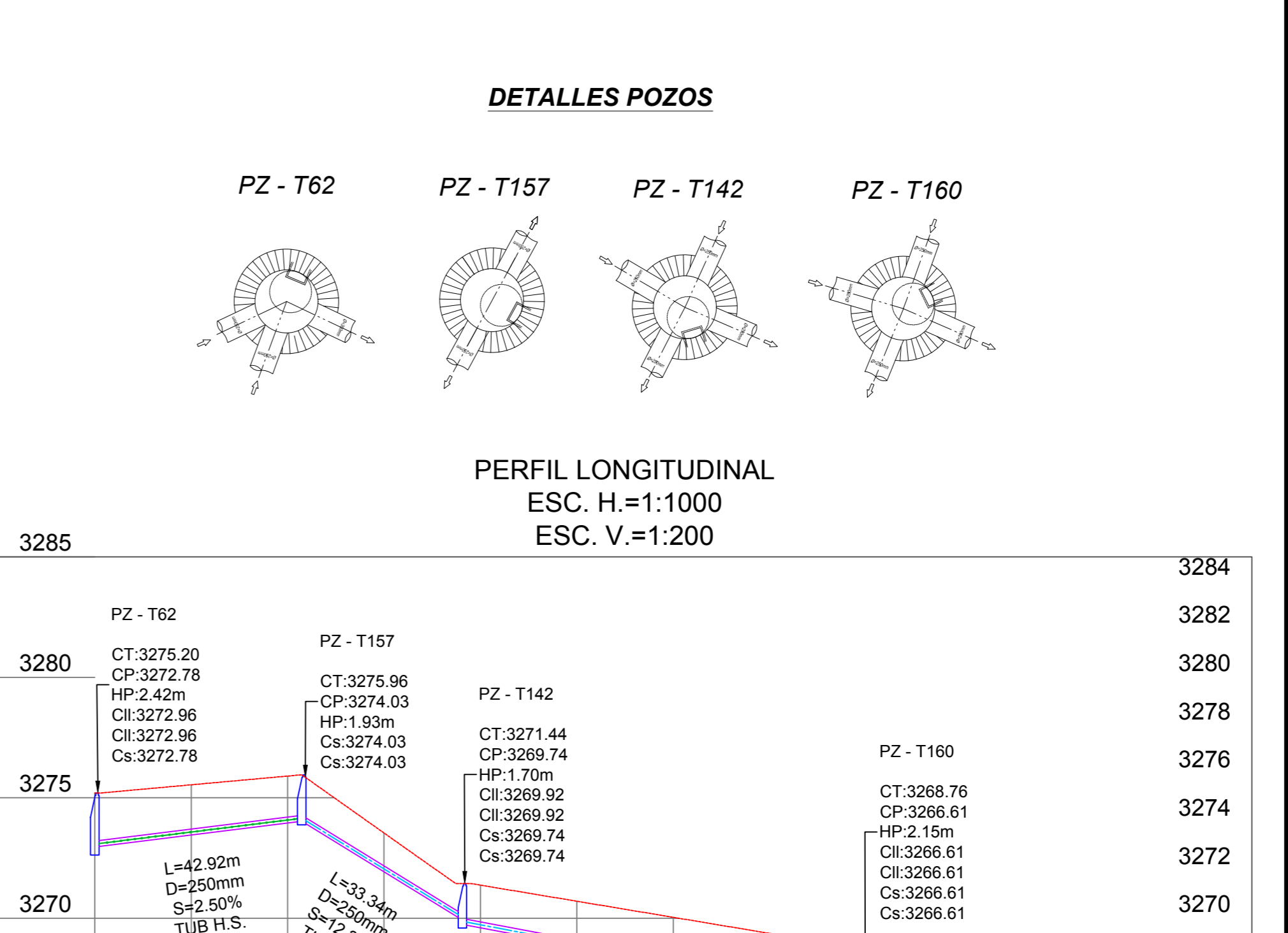
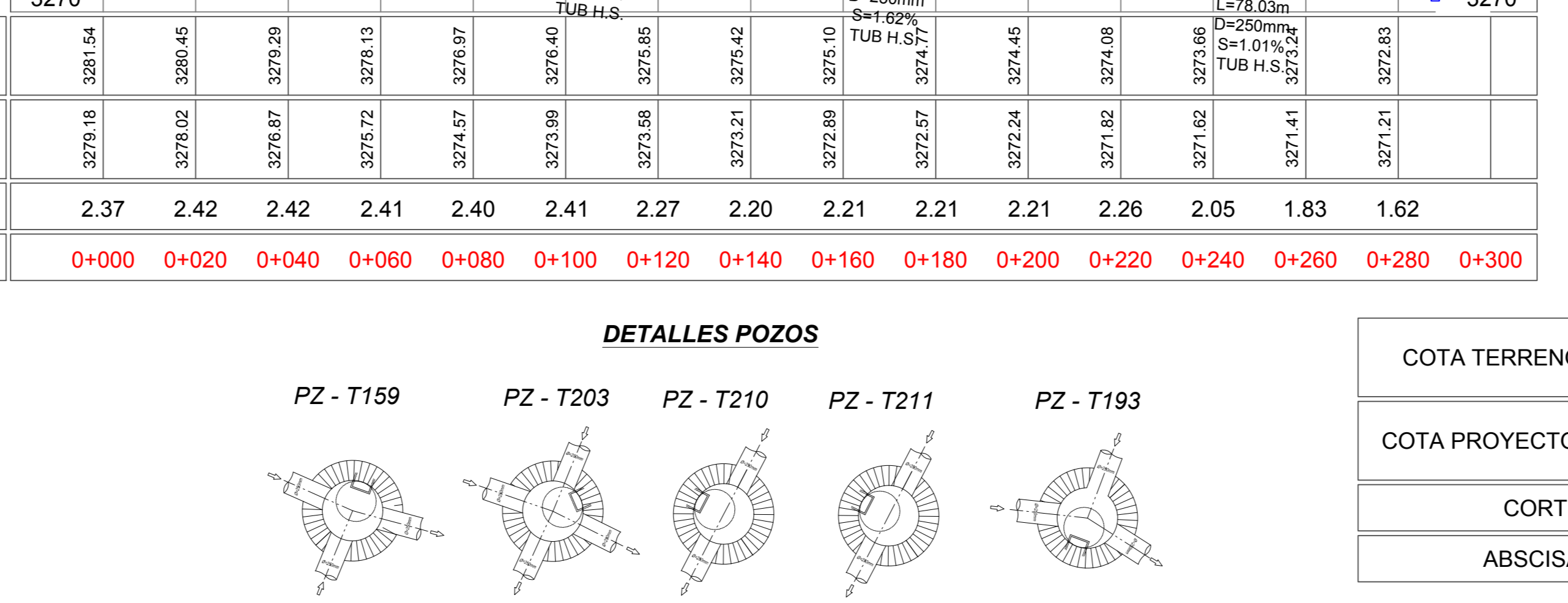
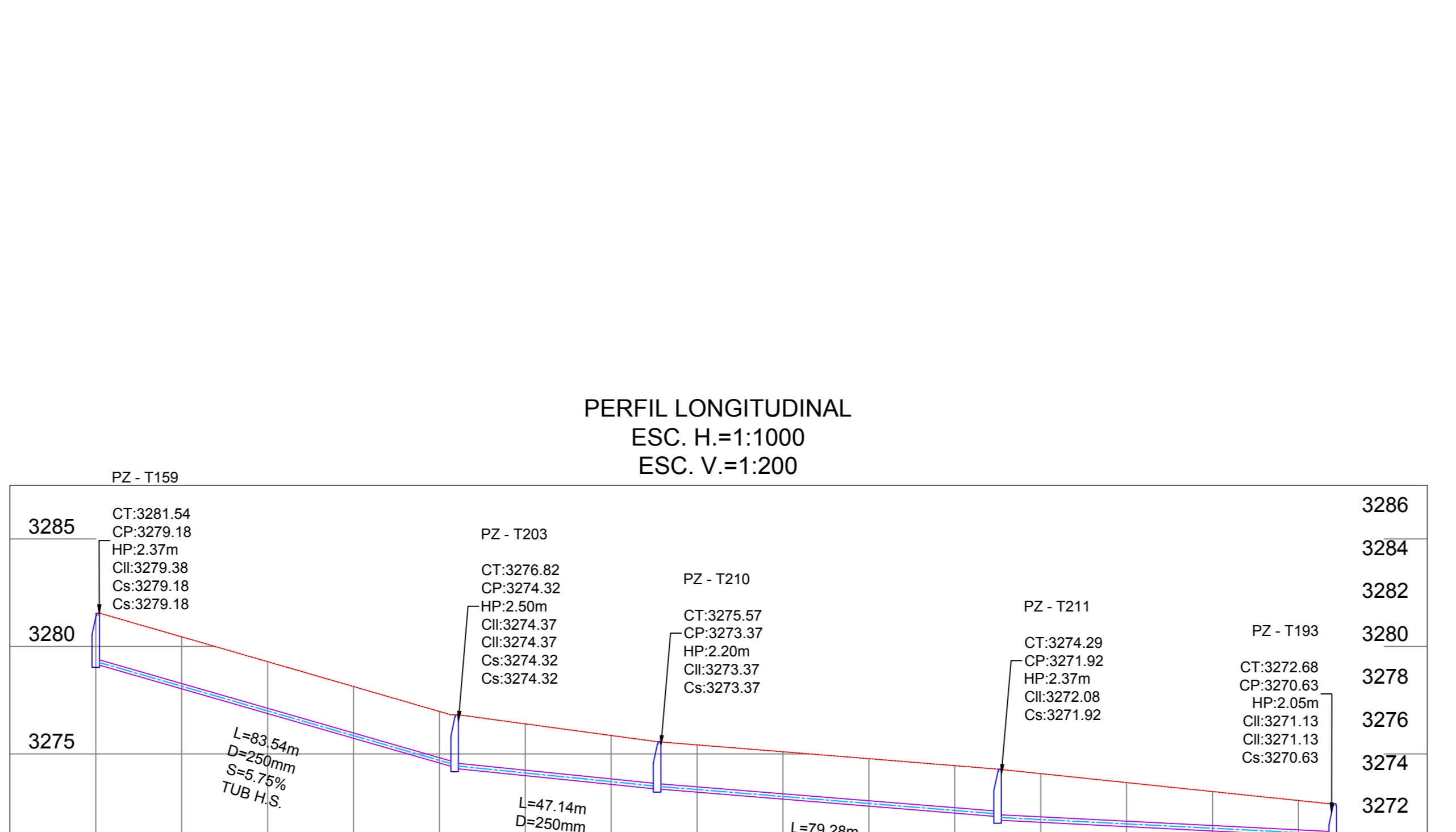
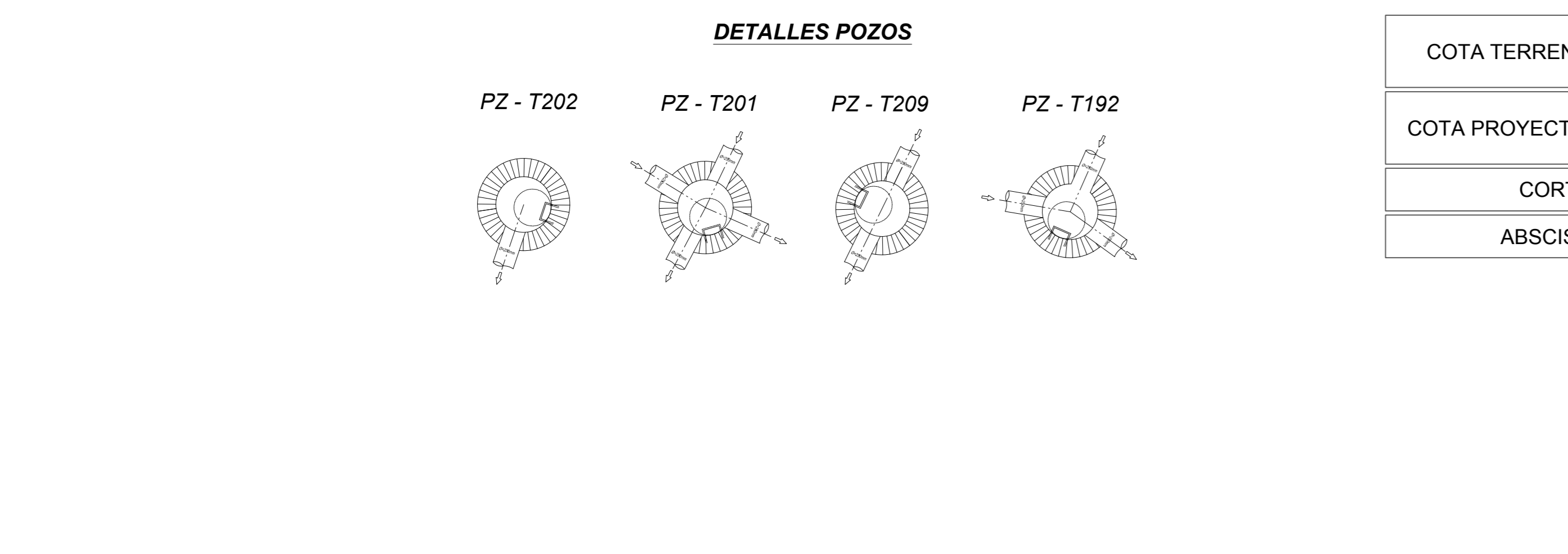
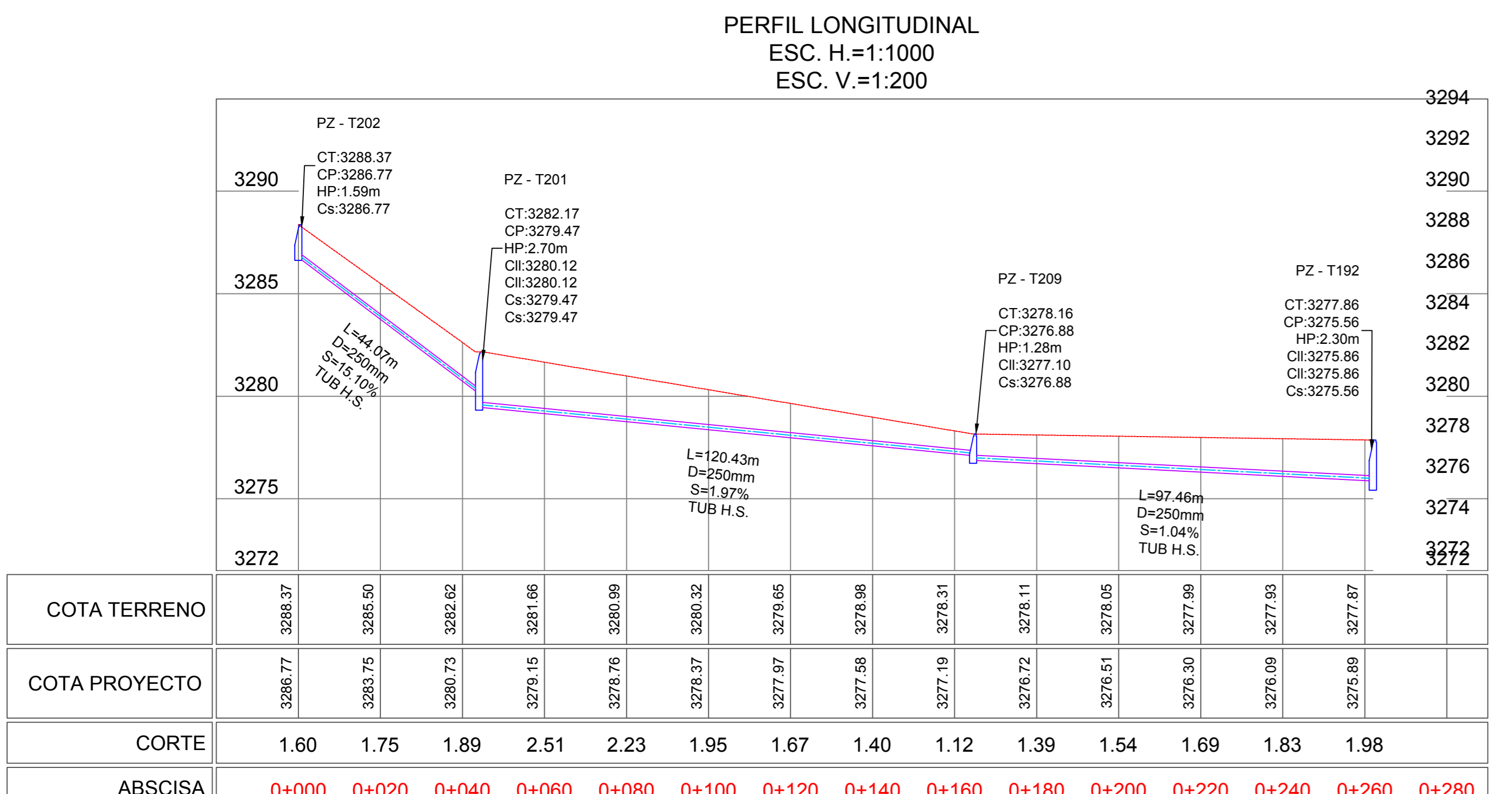
POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO REPÚBLICA					
PZ-T158	759026.20	9850594.99	3289.93		3288.50
PZ-T159	759081.10	9850908.06	3281.55	3279.38	3279.18
PZ-T160	759168.82	9850517.20	3295.76	3286.61	3286.61
PZ-T161	759251.10	9850466.57	3264.41	3262.57	3262.57
PZ-T162	759333.74	9850968.95	3260.46	3259.18	3258.88
PZ-T163	759408.40	9850566.23	3256.47	3253.27	3253.07
PZ-T164	759501.99	9850709.13	3249.81	3248.31	3248.31
PZ-T165	759578.31	9850722.49	3244.69	3242.95	3242.75
PZ-T166	759627.30	9850711.43	3241.69	3238.69	3238.69
PZ-T167	759671.90	9850738.29	3236.61	3235.58	3235.48
PZ-T168	759726.10	9850758.49	3233.46	3231.66	3231.66
PZ-T169	759786.93	9850783.49	3227.27	3224.77	3224.77
PZ-T170	759829.48	9850774.11	3225.12	3223.32	3223.32
PZ-T171	759871.74	9850817.51	3221.09	3219.49	3219.49
PZ-T172	759913.78	9850867.64	3218.58	3217.08	3217.08
PZ-T173	759967.87	9850899.89	3212.40	3210.70	3210.70
PZ-T174	760040.68	9850922.23	3203.28	3201.68	3201.68
PZ-T175	760098.32	9850987.66	3198.14	3194.44	3194.44
PZ-T176	760175.03	9851002.12	3195.69	3193.89	3193.89
PZ-T177	760242.23	9851018.40	3172.28	3175.28	3175.28
TRAMO PUNALICA					
PZ-T178	759832.20	9850531.23	3303.02	3299.55	3300.97
PZ-T179	759849.22	9850587.43	3298.46	3296.55	3296.43
PZ-T180	759932.20	9850531.23	3303.02	3300.30	3300.97
PZ-T181	759982.82	9850509.27	3302.80	3299.30	3299.30
PZ-T182	759983.46	9850419.08	3299.76	3297.31	3297.31
PZ-T183	759982.25	9850370.96	3298.48	3296.48	3296.48
PZ-T184	759983.42	9850314.87	3297.50	3295.68	3295.68
PZ-T185	759986.53	9850214.16	3296.16	3294.76	3294.76
PZ-T186	759986.15	9850195.25	3295.53	3294.02	3294.02
PZ-T187	759985.14	9850153.72	3295.60	3292.50	3292.50
PZ-T188	759986.17	9850097.25	3293.34	3291.14	3291.14
PZ-T189	759986.82	9850068.92	3292.47	3290.97	3290.97
PZ-T190	759987.74	9850036.36	3288.96	3287.56	3287.56
PZ-T191	759985.02	9850268.57	3282.94	3281.70	3281.40
PZ-T192	759979.97	9850295.22	3277.68	3275.67	3275.67
PZ-T193	759954.15	9850316.11	3272.68	3271.13	3270.63
PZ-T194	759924.15	9850344.25	3265.91	3264.26	3264.26
PZ-T195	759925.38	9850356.01	3261.40	3258.68	3258.68
PZ-T196	759911.67	9850448.46	3252.27	3250.17	3250.17
PZ-T197	759896.12	9850487.97	3249.78	3247.88	3247.88
PZ-T198	759883.87	9850509.30	3245.27	3243.67	3243.67
PZ-T199	759884.08	9850538.46	3243.98	3241.98	3241.98
PZ-T200	759887.86	9850578.80	3239.73	3237.23	3237.23
TRAMO REAL AUDIENCIA					
PZ-T201	759882.82	9850509.27	3302.80	3298.55	3299.55
PZ-T202	759886.98	9850502.71	3294.15	3292.95	3292.95
PZ-T203	759904.88	9850505.99	3289.17	3280.12	3279.47
PZ-T204	759910.14	9850508.35	3278.82	3274.37	3274.32
PZ-T205	759916.04	9850547.97	3265.11	3262.97	3262.91
PZ-T206	759929.96	9850569.31	3257.44	3255.38	3255.38
PZ-T207	759957.21	9850588.73	3256.50	3254.79	3254.73
PZ-T208	759940.75	9850605.58	3251.51	3250.11	3250.07
PZ-T209	759947.99	9850610.32	3242.83	3241.81	3241.81
PZ-T210	759952.05	9850616.14	3242.86	3240.72	3240.66

CONTIENE: RED DE ALCANTARILADO SANITARIO EL CALVARIO - TISALEO. TRAMO REAL AUDIENCIA.

PROVINCIA:	TUNGURAHUA	CANTÓN:	TISALEO	SECTOR:	TISALEO CENTRO
FECHA:	OCTUBRE 2023			ESCALA:	1:1000
ELABORADO POR:	Ing. Galo Nuñez Tutor	REVISADO POR:	Ing. Galo Nuñez Tutor	APROBADO POR:	Ing. Galo Nuñez Tutor
TÍTULO: LÁMINA 17					
TOTAL LÁMINAS: 30					



TISALEO CENTRO



UBICACIÓN DEL PROYECTO

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

DATOS GEOGRÁFICOS

LEGENDA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm

POZO DE REVISIÓN

PERFIL DEL TERRENO

CALLES / VÍAS

LÍMITES TERRITORIALES

SIMBOLOGÍA

L LONGITUD DEL TRAMO
D / Ø DIÁMETRO DE TUBERÍA
S GRADIENTE HIDRÁULICA
CT COTA TERRENO
CP COTA PROYECTO
CII COTA DE LLEGADA
Cs COTA DE SALIDA
HP ALTURA DE POZO

RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA(m)	C. SALIDA(m)
TRAMO ABOON CALDERON					
PZ-T202	759013.16	9850548.47	3288.37	-	3286.77
PZ-T201	759024.88	9850505.99	3282.17	3280.12	3278.47
PZ-T200	759053.43	9850388.99	3278.18	3277.10	3276.88
PZ-T192	759079.97	9850295.22	3277.87	3275.87	3275.57
TRAMO RUMINAHUI					
PZ-T193	759081.10	9850098.06	3281.55	-	3278.18
PZ-T203	759108.14	9850539.35	3276.82	3274.57	3274.32
PZ-T210	759117.13	9850482.51	3275.57	3273.37	3273.37
PZ-T211	759135.64	9850405.41	3274.29	3272.08	3271.92
PZ-T193	759154.15	9850339.61	3272.68	3271.13	3270.63
TRAMO ATAHUALPA					
PZ-T187	759139.12	9850740.15	3275.96	3272.96	3274.03
PZ-T62	759126.88	9850781.29	3275.20	3272.96	3272.78
PZ-T187	759139.12	9850740.15	3275.96	3272.96	3274.03
PZ-T182	759147.52	9850718.89	3274.44	3269.92	3269.74
PZ-T160	759166.82	9850627.20	3268.76	3266.61	3266.61
PZ-T204	759186.04	9850547.97	3265.11	3262.97	3262.91
PZ-T212	759207.42	9850483.64	3263.87	3261.57	3261.57
PZ-T213	759221.95	9850422.12	3262.44	3259.94	3259.94
PZ-T195	759245.38	9850358.01	3261.40	3258.68	3258.48
TRAMO LAS MORAS					
PZ-T221	759522.06	9850367.84	3243.80	-	3242.30
PZ-T222	759562.96	9850408.10	3242.70	3240.47	3240.47
PZ-T223	759571.24	9850448.44	3242.07	3240.17	3240.17
PZ-T224	759575.72	9850519.80	3239.96	3238.54	3238.47
PZ-T225	759548.63	9850555.99	3238.97	3237.58	3237.52
PZ-T214	759537.86	9850578.80	3239.73	3237.25	3237.23
PZ-T226	759575.72	9850623.15	3239.49	3238.69	3238.69
PZ-T227	759606.58	9850640.28	3238.32	3236.22	3236.22
PZ-T228	759651.45	9850634.88	3235.37	3233.17	3233.17
PZ-T229	759697.26	9850635.24	3232.30	3230.30	3230.30
PZ-T230	759734.65	9850650.66	3232.39	3229.89	3229.89
PZ-T231	759774.43	9850699.57	3231.46	3228.96	3228.96
PZ-T232	759792.39	9850719.19	3229.24	3227.04	3227.04
PZ-T170	759829.48	9850774.11	3225.12	3223.32	3223.32
TRAMO 20 DE OCTUBRE - VICENTE ROCAFUERTE					
PZ-T63	759008.29	985090.49	3270.70	-	3269.15
PZ-T25	759187.15	9850888.14	3265.91	3263.45	3262.65
PZ-T119	759162.45	9850970.19	3262.31	3260.51	3260.51
PZ-T124	759151.26	9851038.41	3258.69	3257.44	3257.44
PZ-T125	759223.57	9851067.04	3254.65	3252.89	3252.89
PZ-T126	759259.91	9851079.78	3253.48	3251.95	3251.95
PZ-T127	759303.99	9851091.00	3251.13	3248.81	3248.73
PZ-T128	759391.90	9851112.44	3246.25	3244.87	3244.87
PZ-T127(1)	759330.85	9851017.64	3252.23	-	3253.87
PZ-T127	759393.99	9851091.00	3251.13	3248.81	3248.73
TRAMO 20 DE OCTUBRE					
PZ-T63	759008.29	985090.49	3270.70	-	3269.15
PZ-T143	759225.69	9850726.32	3267.28	3265.70	3265.70
PZ-T181	759251.10	9850648.57	3264.41	3262.57	3262.57
PZ-T205	759289.96	9850569.31	3257.44	3255.38	3255.38

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMBA, SANTA LUCÍA-LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA-ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO, TRAMO ABOON CALDERON, RUMINAHUI, ATAHUALPA

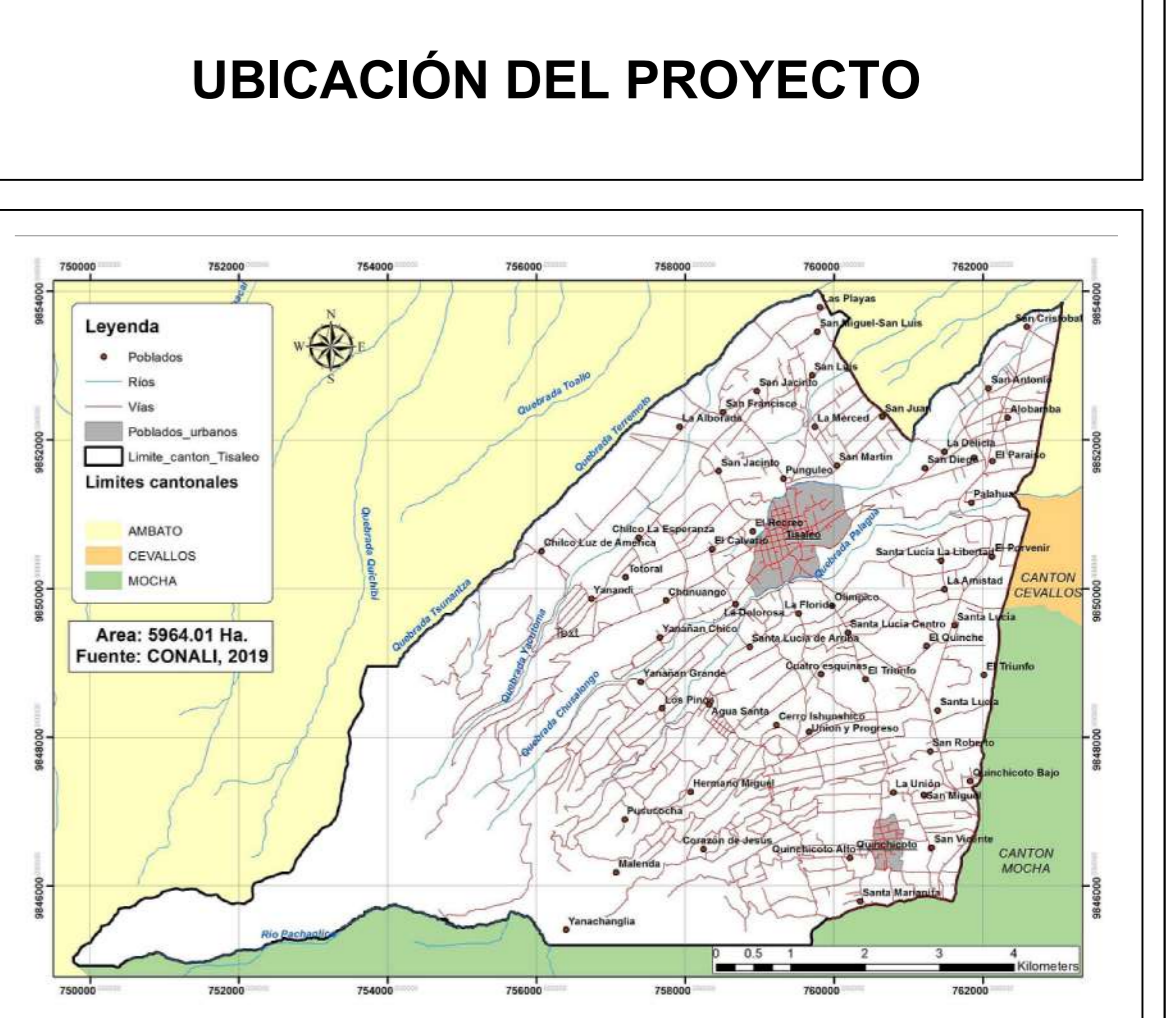
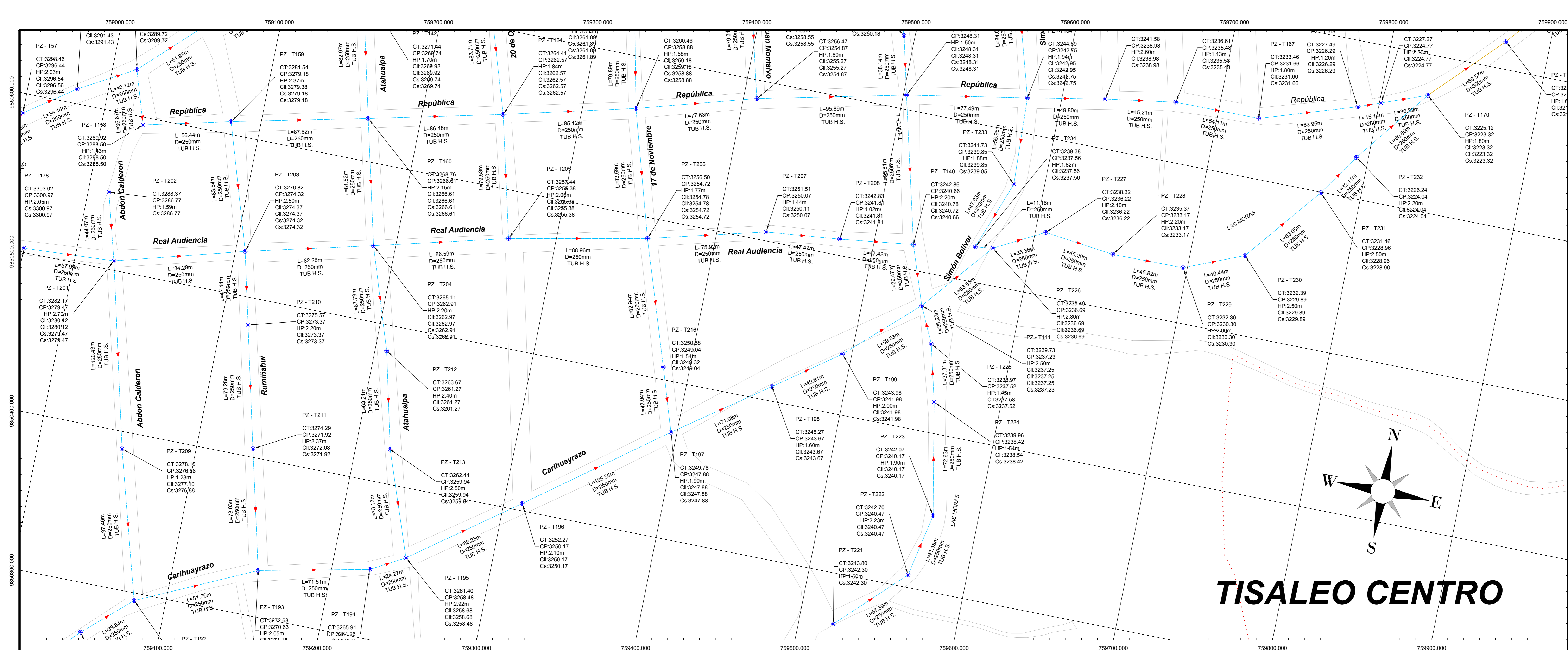
UNIVERSIDAD TÉCNICA DE AMBATO
FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA
CARRERA DE INGENIERÍA CIVIL

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: TISALEO CENTRO

FECHA: OCTUBRE, 2022

ELABORADO POR: Ing. Tania Bonita Testa REVISADO POR: Ing. Galo Núñez Tutor APROBADO POR: Ing. Galo Núñez Tutor

ESCALA: 1:1000 LÁMINA: LÁMINA 16 TOTAL LÁMINAS: 30



DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
795953.24 m E
9850780.17 m S

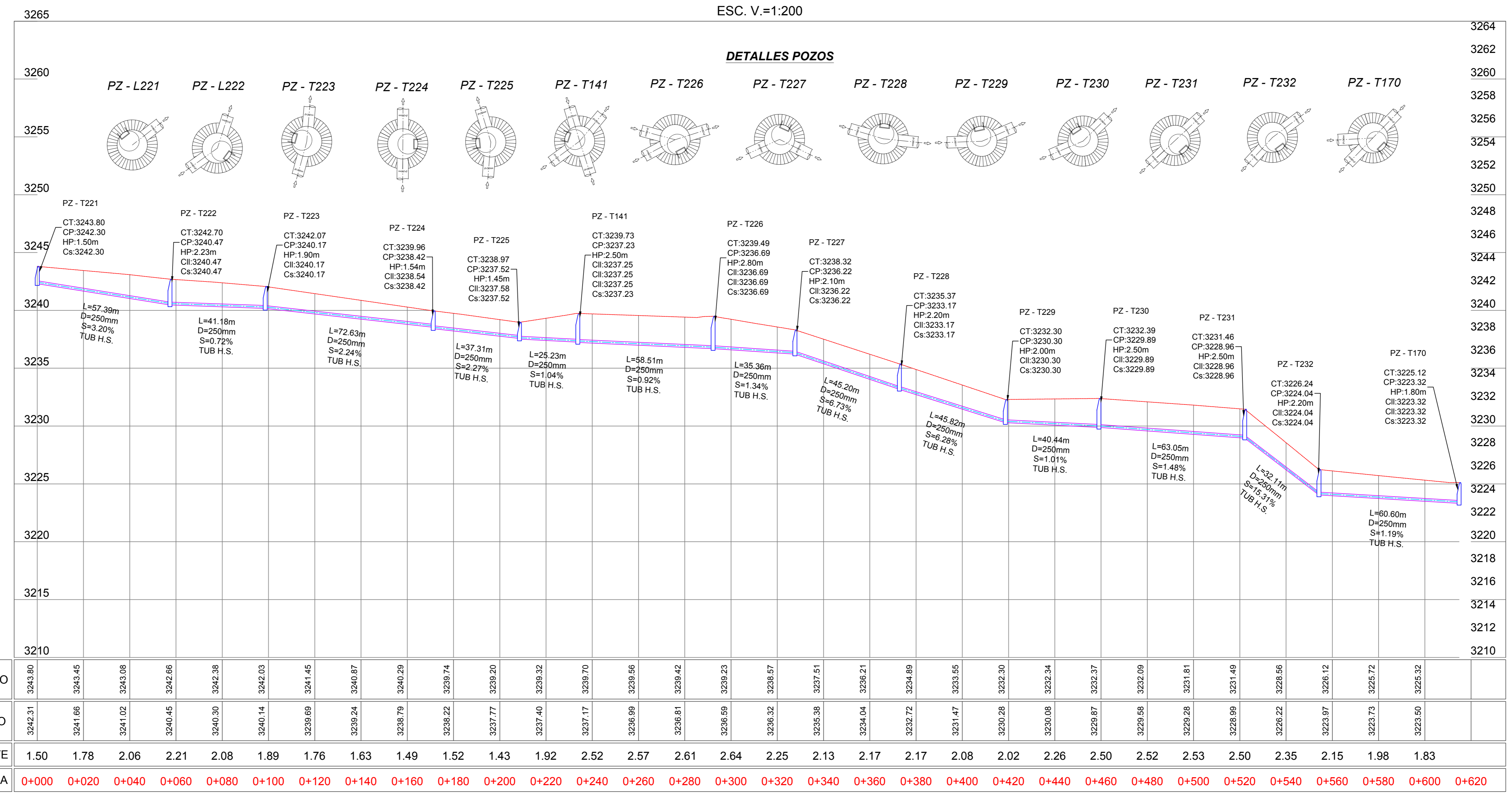
ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

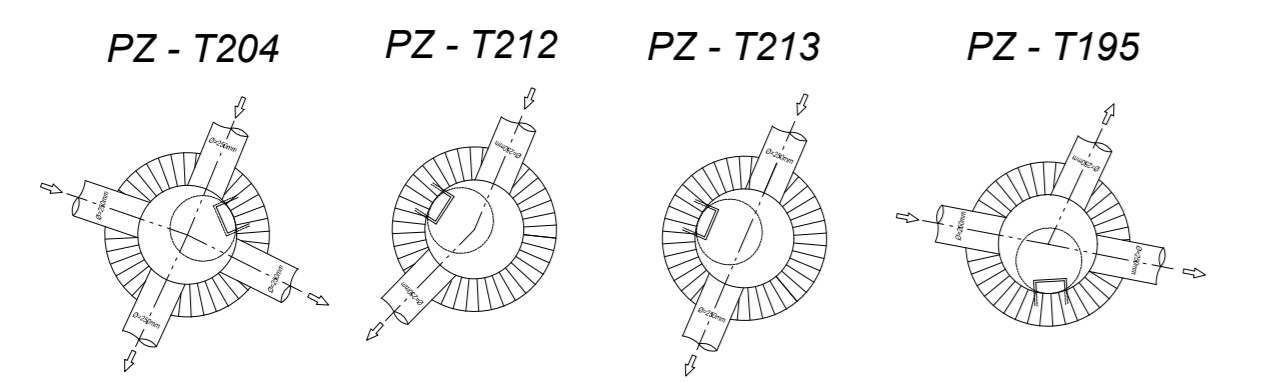
TUBERÍA PVC D = 200mm	
TUBERÍA PVC D = 250mm	
TUBERÍA H.S. D = 250mm	
TUBERÍA H.S. D = 300mm	
TUBERÍA H.S. D = 400mm	
TUBERÍA H.S. D = 600mm	
POZO DE REVISIÓN	
PERFIL DEL TERRENO	
CALLES / VÍAS	
LÍMITES TERRITORIALES	

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CII	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



DETALLES POZOS



PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200

ABSCISA	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440
COTA TERRENO	3265.11	3264.44	3264.28	3263.95	3263.45	3263.00	3262.67	3262.31	3261.99	3261.68	3261.40
COTA PROYECTO	3262.99	3262.44	3261.96	3261.47	3260.91	3260.36	3259.84	3259.34	3258.87	3258.41	3257.98
CORTE	2.12	2.27	2.33	2.38	2.42	2.45	2.48	2.52	2.56	2.61	2.69

ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	
COTA TERRENO	3245.80	3245.80	3245.45	3245.08	3244.66	3244.39	3244.03	3243.61	3243.14	3242.72	3242.29	3241.87	3241.45	3241.03	3240.61	3240.19	3239.77	3239.35	3238.93	3238.51	3238.09	3237.67	3237.25	3236.83
COTA PROYECTO	3242.31	3241.86	3241.42	3240.98	3240.54	3240.10	3239.66	3239.22	3238.78	3238.34	3237.90	3237.46	3237.02	3236.58	3236.14	3235.70	3235.26	3234.82	3234.38	3233.94	3233.50	3233.06	3232.62	3232.18
CORTE	1.50	1.78	2.06	2.21	2.08	1.89	1.76	1.63	1.49	1.52	1.43	1.92	2.52	2.57	2.61	2.64	2.25	2.13	2.17	2.17	2.08	2.02	2.26	2.50

RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA(m)	C. SALIDA(m)
TRAMO ABDON CALDERON					
PZ-1202	759013.16	9850548.47	3268.37	-	3266.77
PZ-1201	759024.88	9850505.99	3262.17	-	3279.47
PZ-1208	759053.43	9850398.99	3278.16	-	3271.10
PZ-1192	759079.97	9850295.22	3277.87	-	3275.57
TRAMO RUMINAHUI					
PZ-1159	759081.10	9850908.06	3261.55	-	3279.16
PZ-1203	759106.14	9850593.35	3276.82	3274.37	3274.32
PZ-1210	759117.13	9850482.51	3275.57	3273.37	3273.37
PZ-1211	759135.64	9850405.41	3274.29	3272.08	3271.92
PZ-1193	759154.15	9850393.61	3272.68	3271.13	3270.63
TRAMO ATAHUALPA					
PZ-1187	759139.12	9850740.15	3275.96	-	3274.03
PZ-1262	759126.88	9850781.29	3275.20	3272.96	3272.78
PZ-1187	759139.12	9850740.15	3275.96	-	3274.03
PZ-1142	759147.52	9850707.89	3271.44	3269.52	3269.14
PZ-1160	759166.82	9850627.20	3268.76	3266.61	3266.61
PZ-1204	759186.04	9850547.97	3265.11	3262.97	3262.91
PZ-1212	759207.42	9850483.64	3263.87	3261.27	3261.27
PZ-1213	759221.95	9850422.12	3262.44	3259.94	3259.94
PZ-1195	759245.38	9850356.01	3261.40	3258.68	3258.48
TRAMO LAS MORAS					
PZ-1221	759522.06	9850367.84	3243.80	-	3242.30
PZ-1222	759562.96	9850408.10	3242.70	3240.47	3240.47
PZ-1224	759577.72	9850519.80	3239.96	3238.54	3238.42
PZ-1225	759548.63	9850555.99	3238.97	3237.58	3237.52
PZ-1141	759537.86	9850578.80	3239.73	3237.25	3237.23
PZ-1228	759674.32	9850632.15	3239.49	3238.69	3238.69
PZ-1227	759606.58	9850640.28	3238.32	3236.22	3236.22
PZ-1228	759651.45	9850634.88	3236.37	3233.17	3233.17
PZ-1229	759697.26	9850652.54	3235.30	3233.30	3233.30
PZ-1230	759734.65	9850650.66	3232.39	3229.89	3229.89
PZ-1231	759774.43	9850999.57	3231.46	3228.96	3228.96
PZ-1232	759792.39	9850778.19	3229.24	3224.04	3224.04
PZ-1170	759829.48	9850774.11	3225.12	3223.32	3223.32
TRAMO 20 DE OCTUBRE - VICENTE ROCAFUERTE					
PZ-1263	759908.29	9850991.69	3270.70	-	3269.15
PZ-1265	759187.15	9850888.14	3265.91	3263.45	3262.65
PZ-1119	759162.45	9850970.19	3262.31	3260.51	3260.51
PZ-1124	759151.25	9851038.41	3259.69	3257.44	3257.44
PZ-1125	759223.57	9851067.04	3254.65	3252.89	3252.89
PZ-1126	759259.91	9851079.78	3251.48	3249.51	3249.51
PZ-1127	759303.96	9851091.00	3251.13	3248.91	3248.73
PZ-1128	759391.90	9851112.44	3246.25	3244.87	3244.87
PZ-1127(1)	759330.85	9851017.64	3255.23	-	3253.87
PZ-1127	759303.96	9851091.00	3251.13	3248.91	3248.73
TRAMO 20 DE OCTUBRE					
PZ-1263	759908.29	9850991.69	3270.70	-	3269.15
PZ-1143	759225.69	9850726.32	3267.28	3265.70	3265.70
PZ-1161	759251.10	9850485.57	3264.41	3262.57	3262.57
PZ-1205	759269.96	9850669.31	3257.44	3255.38	3255.38

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACION Y DIGITALIZACION PARA MEJORAR LA CALIDAD DE INFORMACION SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALBARRA, SANTA LUCIA-LIBERTAD, SANTA LUCIA-CENTRO, SANTA LUCIA ARRIBA, EL CALVARIO DEL CANTON TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO, TRAMO ATAHUALPA, LAS MORAS.

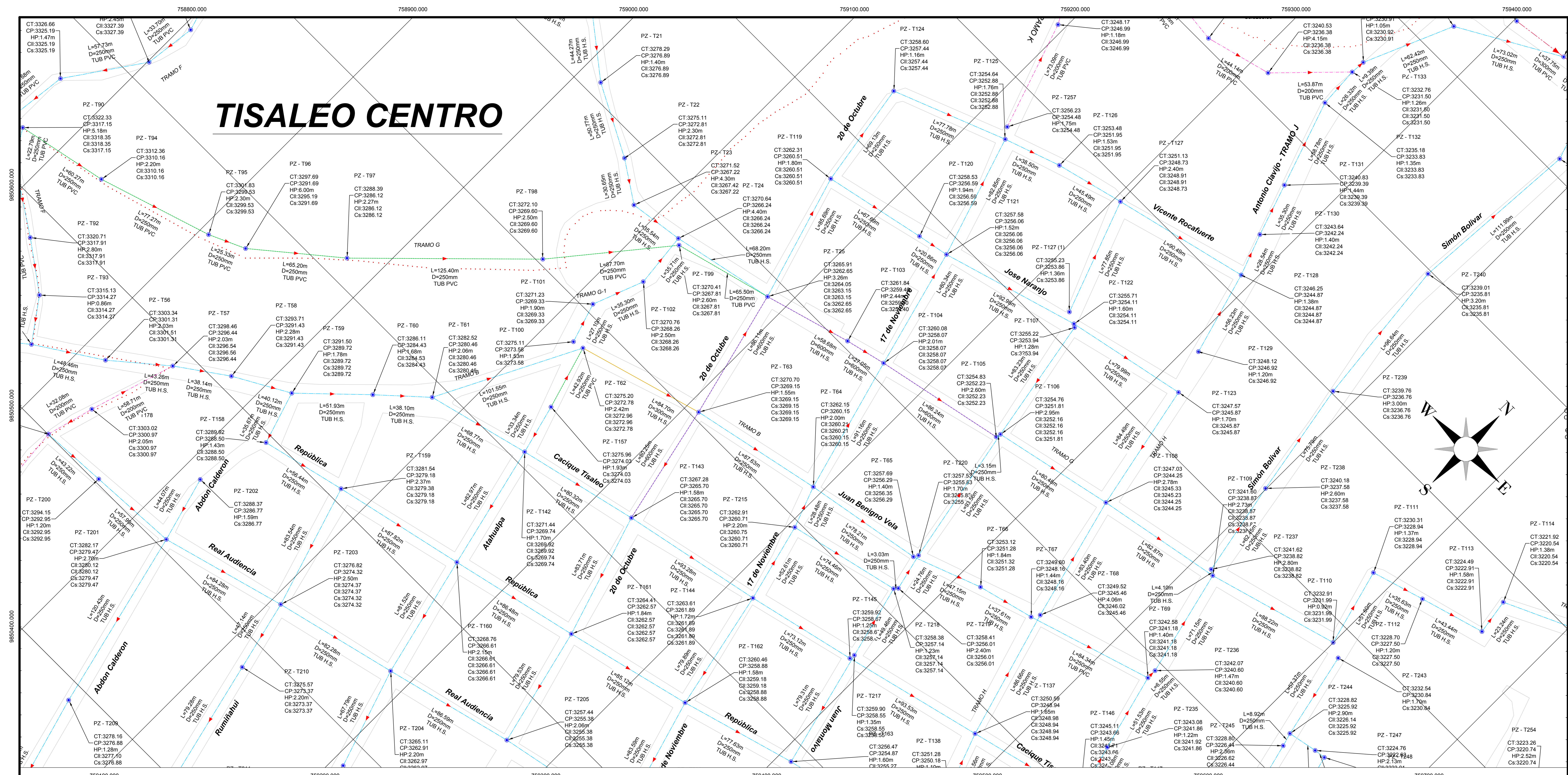
PROVINCIA: TUNGURAHUA | CANTON: TISALEO | SECTOR: TISALEO CENTRO

FECHA: OCTUBRE, 2022 | ESCALA: 1:1000

ELABORADO POR: Eglis Tamez Bonita Testa | REVISADO POR: Ing. Gato Nunez Tutor | APROBADO POR: Ing. Gato Nunez Tutor

LÁMINA: LÁMINA 19 | TOTAL LÁMINAS: 30

TISALEO CENTRO



UBICACIÓN DEL PROYECTO

DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

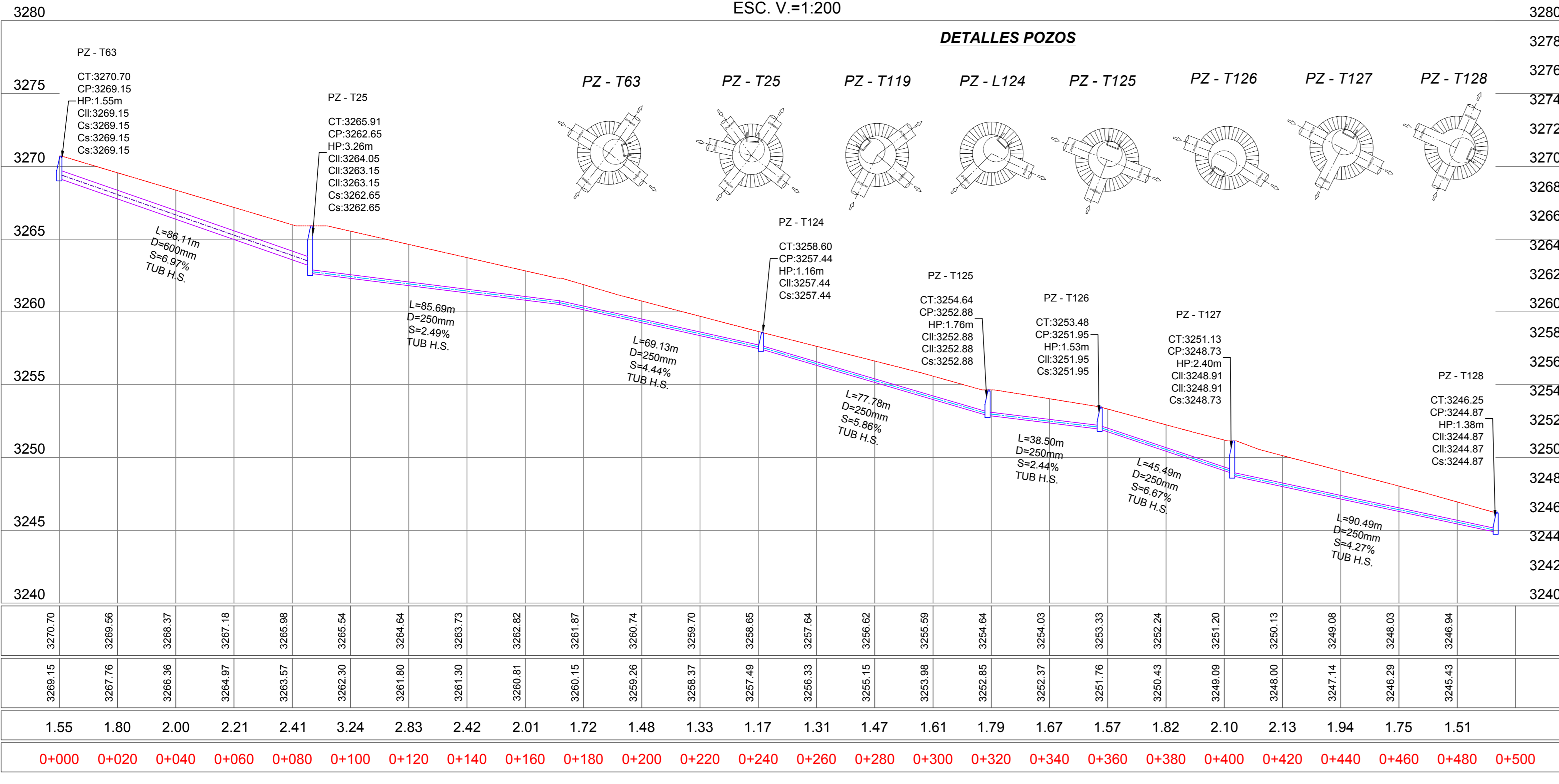
- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CII	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

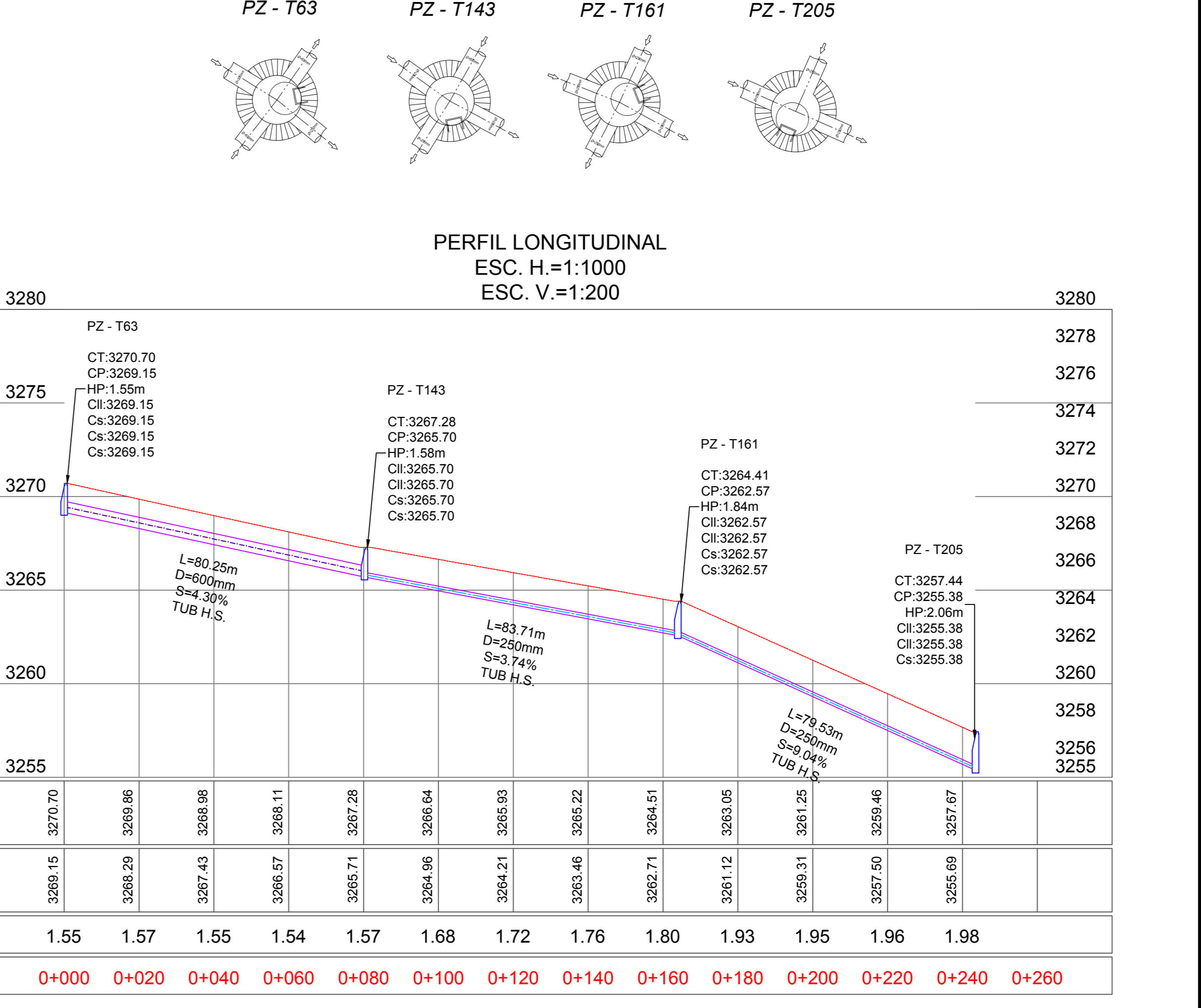
RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO ABOON CALDERON					
PZ-1202	759013.16	985054.47	3288.37	-	3288.77
PZ-1201	759024.88	985055.99	3282.17	3280.12	3279.47
PZ-1208	759033.43	985038.99	3276.16	3277.10	3276.88
PZ-1192	759079.97	985026.22	3277.67	3275.97	3275.57
TRAMO RUMINAHUI					
PZ-1159	759081.10	985060.06	3281.55	-	3279.18
PZ-1203	759106.14	985058.35	3278.82	3274.37	3274.32
PZ-1210	759117.13	985048.25	3275.57	3273.37	3273.37
PZ-1211	759135.64	985045.41	3274.29	3272.08	3271.92
PZ-1193	759154.15	985039.61	3272.89	3271.13	3270.63
TRAMO ATAHUALPA					
PZ-1157	759139.12	985040.15	3275.96	-	3274.03
PZ-1162	759126.88	985078.29	3275.20	3272.96	3272.78
PZ-1157	759139.12	985040.15	3275.96	-	3274.03
PZ-1142	759147.52	985070.89	3271.44	3269.92	3269.74
PZ-1160	759166.52	985067.70	3268.76	3266.61	3266.61
PZ-1204	759186.04	985054.97	3265.11	3262.97	3262.91
PZ-1212	759207.42	985048.64	3263.67	3261.27	3261.27
PZ-1213	759221.95	985042.12	3262.44	3259.94	3259.94
PZ-1195	759245.38	985038.01	3261.40	3258.68	3258.48
TRAMO LAS MORAS					
PZ-1221	759522.06	985036.84	3243.80	-	3242.30
PZ-1222	759562.13	985048.13	3242.70	3240.47	3240.47
PZ-1223	759571.24	985048.44	3242.07	3240.17	3240.17
PZ-1224	759557.72	985051.90	3239.96	3238.54	3238.42
PZ-1225	759548.63	985055.98	3238.97	3237.58	3237.52
PZ-1141	759537.86	985057.80	3238.73	3237.25	3237.23
PZ-1226	759575.32	985063.25	3239.49	3236.69	3236.69
PZ-1227	759606.58	985064.28	3236.32	3236.22	3236.22
PZ-1228	759651.45	985063.48	3235.37	3233.17	3233.17
PZ-1229	759697.26	985063.24	3232.30	3230.30	3230.30
PZ-1230	759734.65	985060.66	3232.39	3229.89	3229.89
PZ-1231	759774.43	985060.51	3231.46	3228.96	3228.96
PZ-1232	759792.39	985076.19	3226.24	3224.04	3224.04
PZ-1170	759828.48	985074.11	3225.12	3223.32	3223.32
TRAMO 20 DE OCTUBRE - VICENTE ROCAFUERTE					
PZ-1163	759208.29	985080.66	3270.70	-	3269.15
PZ-1125	759187.15	985088.14	3265.91	3263.15	3262.65
PZ-1119	759162.45	985097.19	3262.31	3260.51	3260.51
PZ-1124	759151.22	985103.41	3258.60	3257.44	3257.44
PZ-1125	759223.57	985107.04	3254.65	3252.89	3252.89
PZ-1126	759259.91	985107.76	3253.48	3251.95	3251.95
PZ-1127	759303.99	985109.19	3251.13	3248.91	3248.73
PZ-1128	759391.90	985112.44	3246.25	3244.87	3244.87
PZ-1127(1)	759330.85	985107.84	3255.23	-	3253.87
PZ-1127	759303.99	985109.10	3251.13	3248.91	3248.73
TRAMO 20 DE OCTUBRE					
PZ-1163	759208.29	985080.66	3270.70	-	3269.15
PZ-1143	759226.69	985078.32	3261.28	3265.70	3265.70
PZ-1161	759251.10	985064.57	3264.41	3262.57	3262.57
PZ-1205	759269.96	985059.31	3257.44	3255.38	3255.38

PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



DETALLES POZOS



G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN JUAN, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

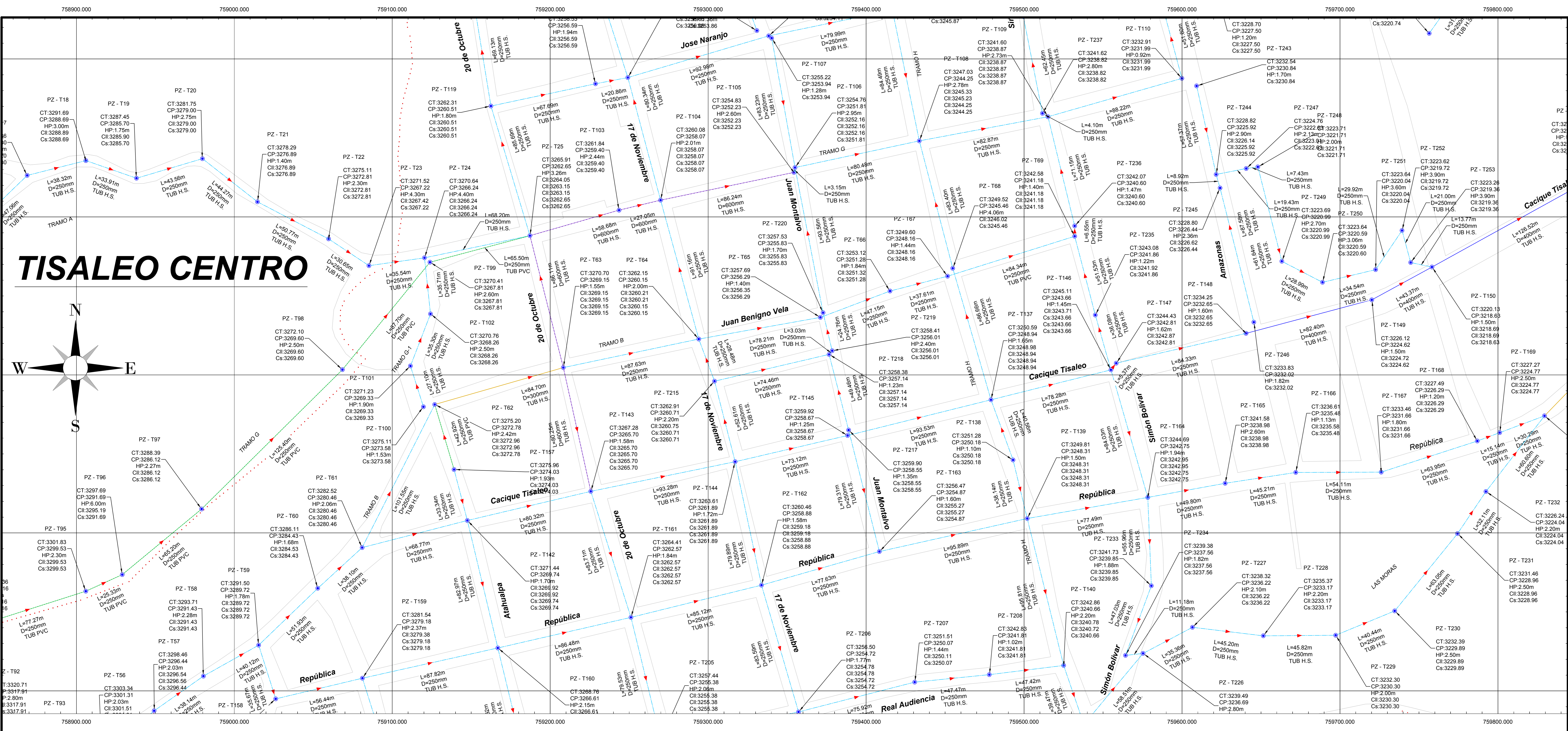
CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO, TRAMO 20 DE OCTUBRE - VICENTE ROCAFUERTE.

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: TISALEO CENTRO

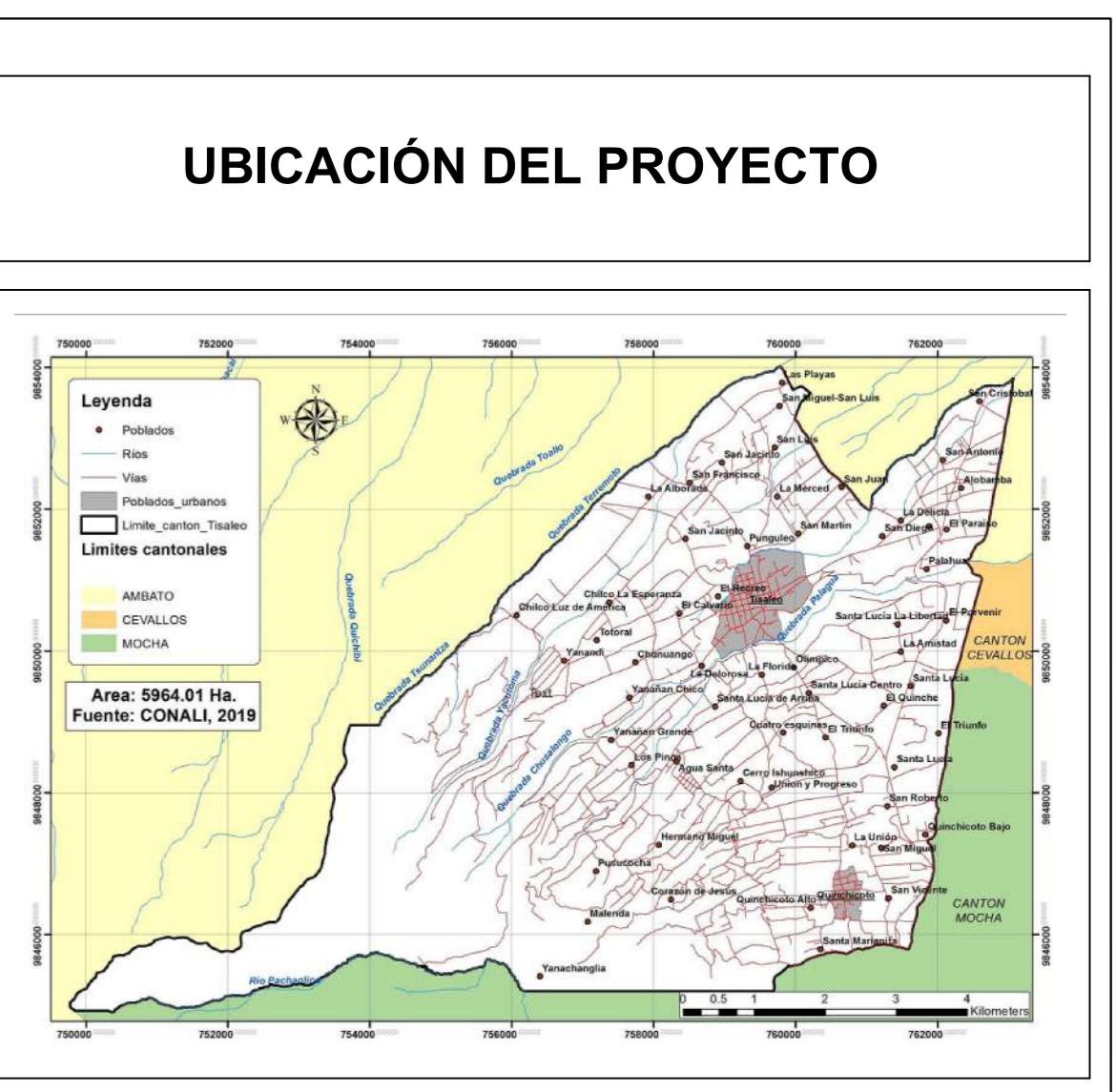
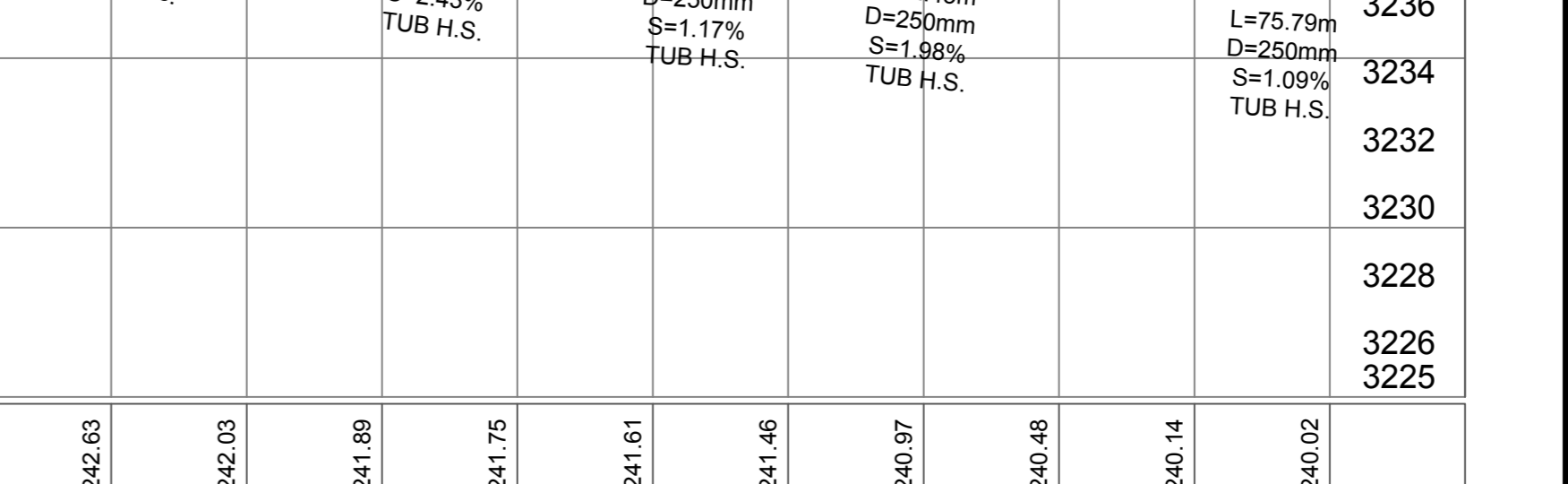
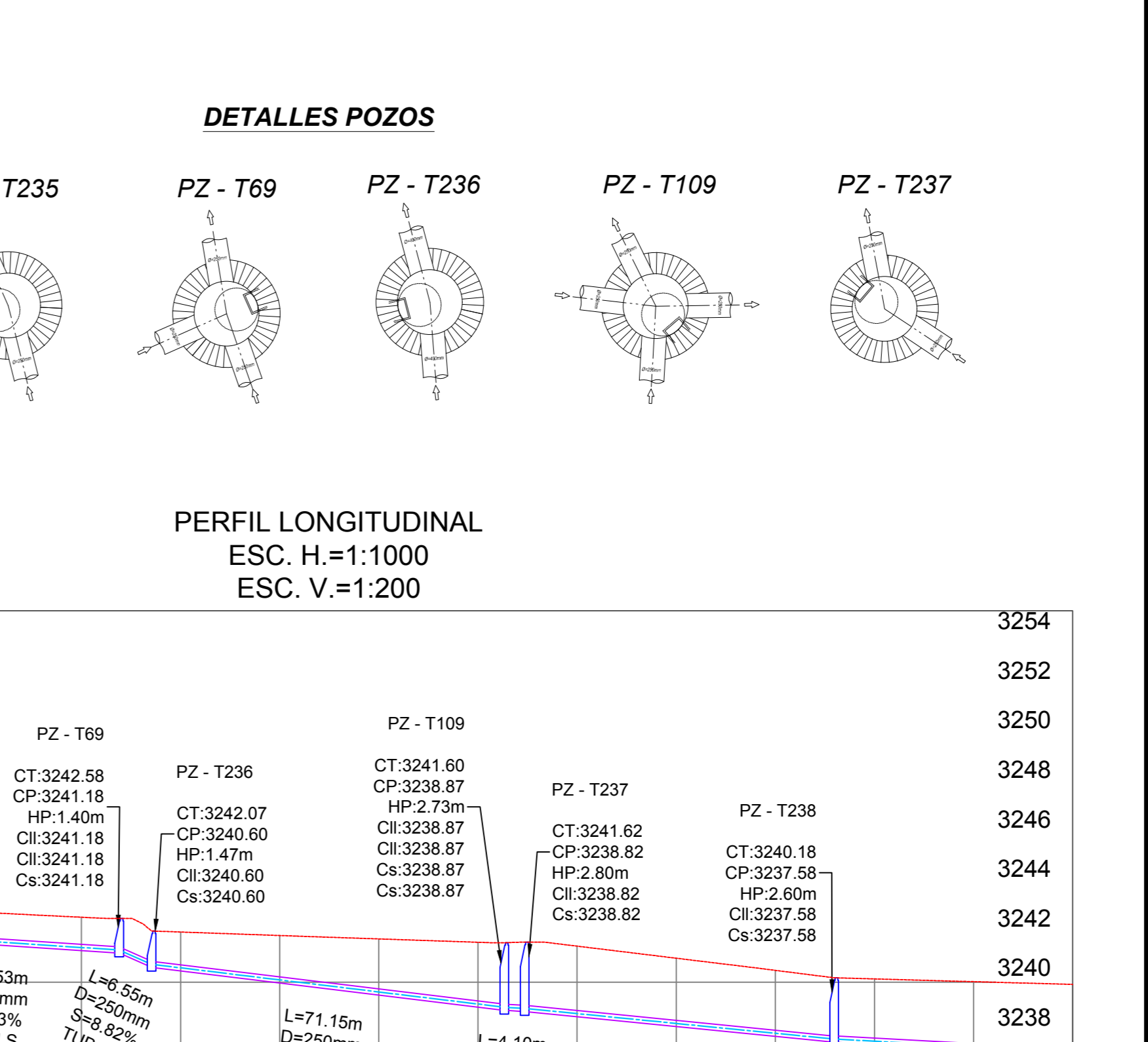
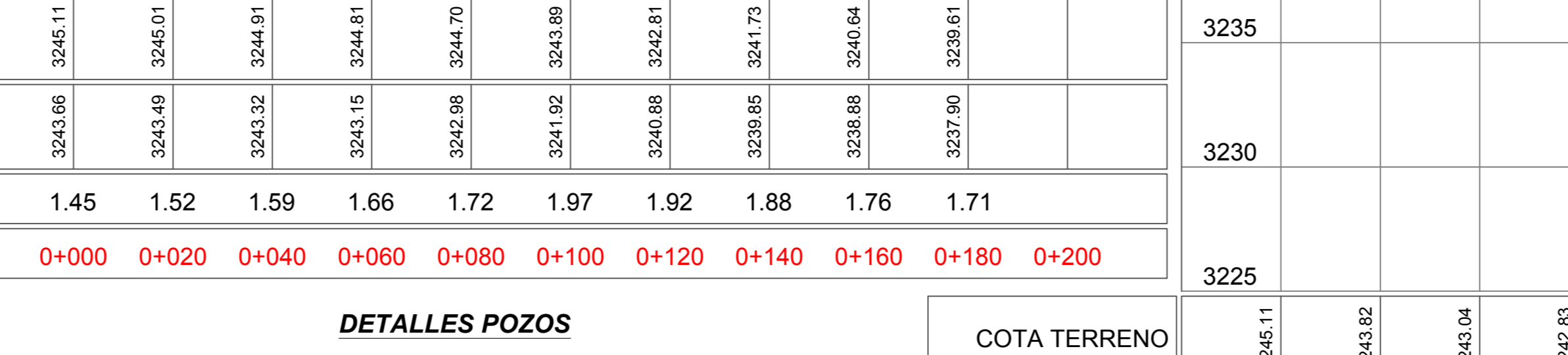
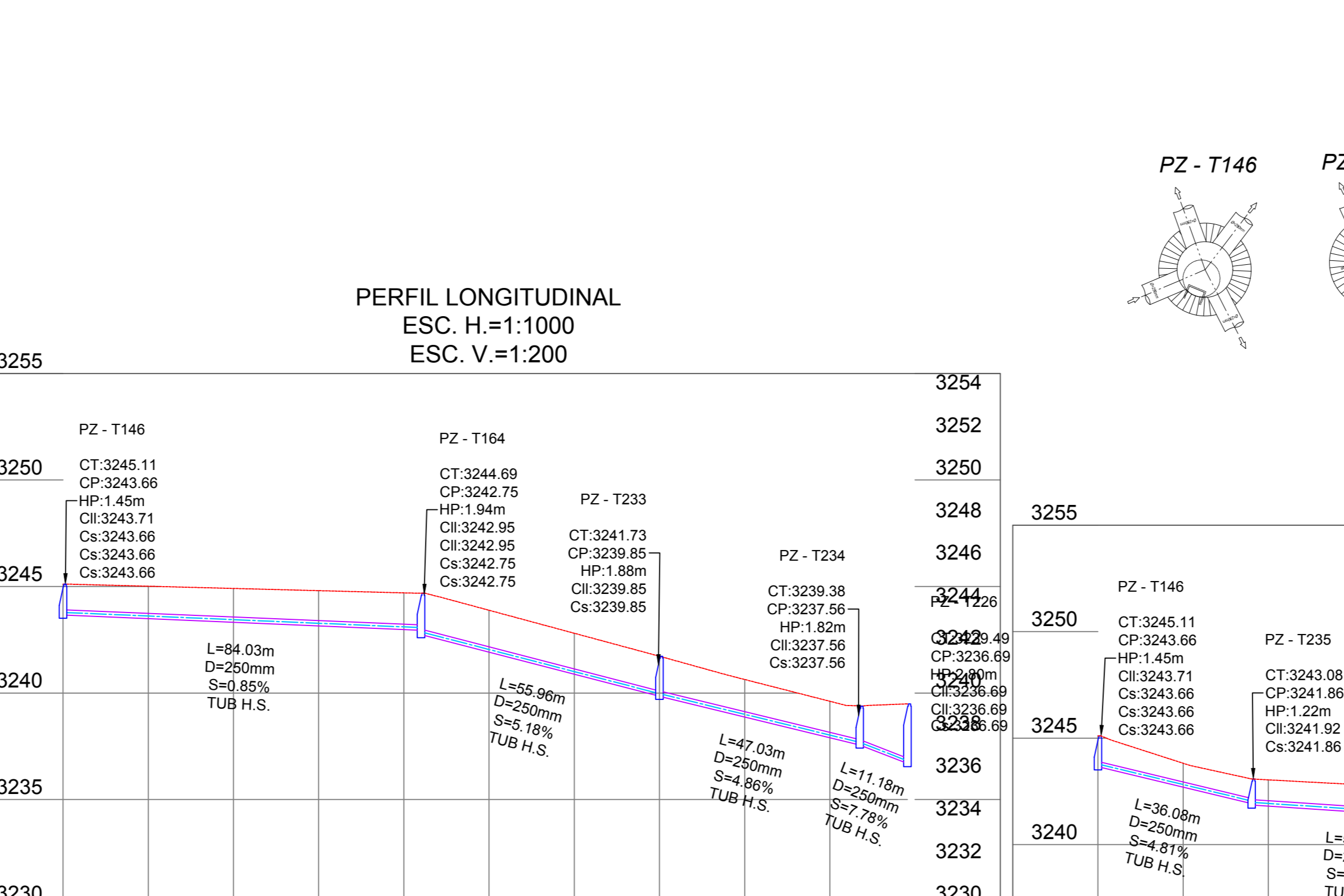
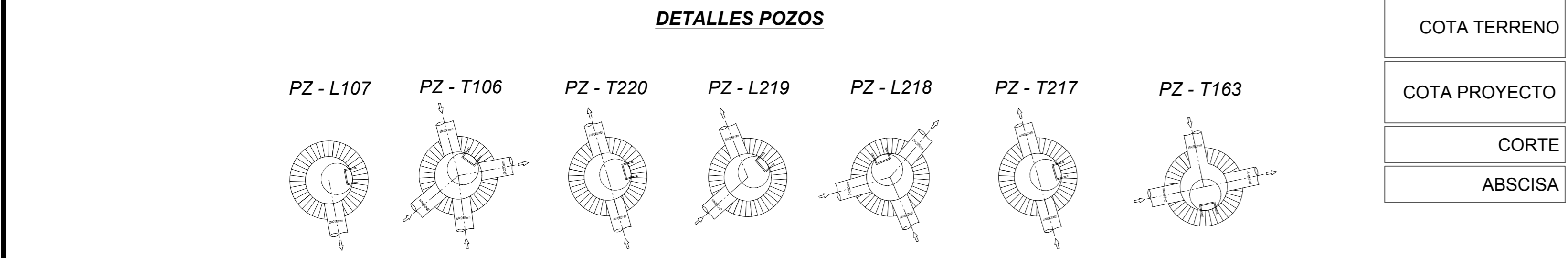
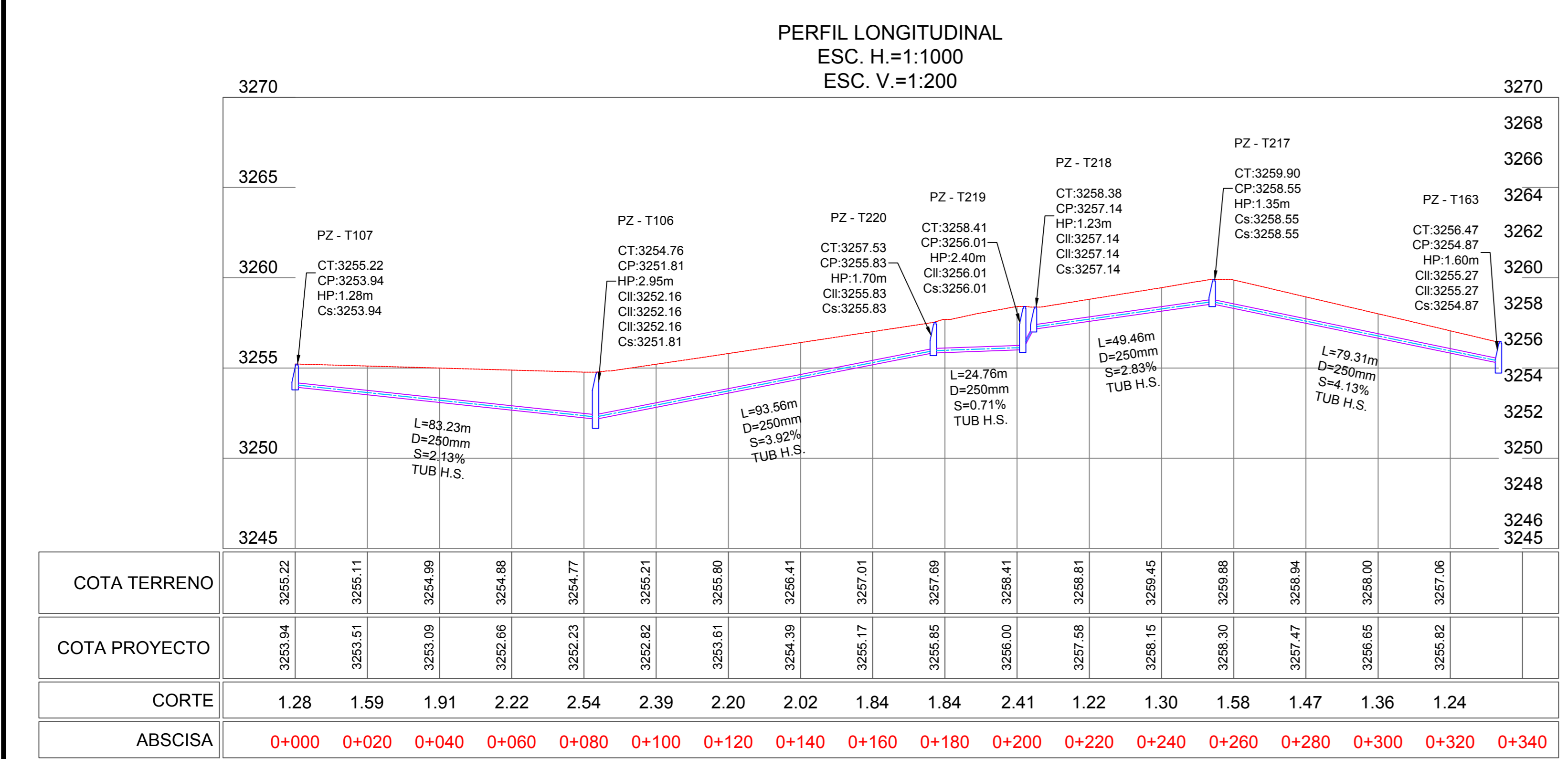
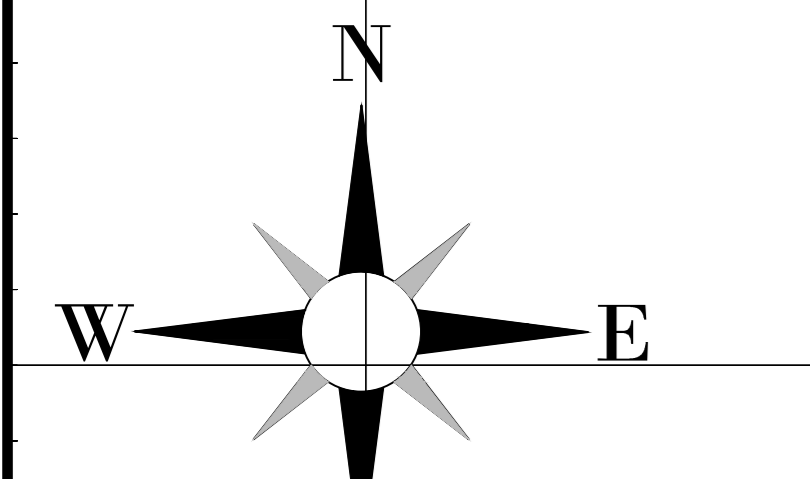
FECHA: OCTUBRE, 2022

ELABORADO POR: Ing. Tanya Bonita Testa REVISADO POR: Ing. Galo Nuñez Tutor APROBADO POR: Ing. Galo Nuñez Tutor

ESCALA: 1:4000 LÁMINA: 30 TOTAL LÁMINAS: 30



TISALEO CENTRO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E
 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CII	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO

TRAMO	POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO 17 DE NOVIEMBRE	PZ-T144	759317.06	9850745.00	3263.81	-	3261.89
	PZ-T215	759304.03	9850796.05	3262.91	3260.75	3260.71
	PZ-T164	759294.03	9850822.72	3262.15	3260.21	3260.15
	PZ-T104	759289.86	9850911.61	3260.08	3258.07	3258.07
	PZ-T121	759249.14	9850988.24	3257.58	3256.06	3256.06
	PZ-T125	759223.57	9851067.04	3254.65	3252.89	3252.89
	PZ-T144	759317.06	9850745.00	3263.81	-	3261.89
	PZ-T162	759333.74	9850696.95	3260.46	3259.18	3259.88
	PZ-T206	759357.21	9850586.73	3256.50	3254.79	3254.73
	PZ-T216	759383.25	9850507.98	3250.58	3248.32	3249.04
PZ-T197	759396.12	9850447.97	3249.78	3247.88	3247.88	
TRAMO JUAN MONTALVO	PZ-T107	759340.21	9851013.11	3252.22	-	3253.94
	PZ-T106	759354.96	9850931.26	3254.76	3252.16	3251.81
	PZ-T217	759388.89	9850765.10	3259.90	-	3258.55
	PZ-T218	759376.53	9850813.00	3258.37	3257.14	3257.14
	PZ-T219	759378.48	9850815.32	3258.47	3256.01	3256.01
	PZ-T220	759372.73	9850839.49	3259.09	3255.83	3255.83
	PZ-T106	759354.96	9850931.26	3254.76	3252.16	3251.81
	PZ-T217	759388.89	9850765.10	3259.90	-	3258.55
	PZ-T215	759340.21	9851013.11	3252.22	-	3253.94
	PZ-T216	759383.25	9850507.98	3250.58	3248.32	3249.04
TRAMO SIMÓN BOLÍVAR	PZ-T146	759317.06	9850745.00	3263.81	-	3261.89
	PZ-T233	759304.03	9850796.05	3262.91	3260.75	3260.71
	PZ-T234	759294.03	9850822.72	3262.15	3260.21	3260.15
	PZ-T235	759289.86	9850911.61	3260.08	3258.07	3258.07
	PZ-T236	759249.14	9850988.24	3257.58	3256.06	3256.06
	PZ-T237	759223.57	9851067.04	3254.65	3252.89	3252.89
	PZ-T144	759317.06	9850745.00	3263.81	-	3261.89
	PZ-T235	759289.86	9850911.61	3260.08	3258.07	3258.07
	PZ-T236	759249.14	9850988.24	3257.58	3256.06	3256.06
	PZ-T237	759223.57	9851067.04	3254.65	3252.89	3252.89
TRAMO AMAZONAS	PZ-T243	759409.24	9850962.91	3232.54	-	3230.84
	PZ-T244	759421.58	9850926.89	3228.83	3226.15	3225.93
	PZ-T246	759445.45	9850833.39	3223.84	-	3222.02
	PZ-T245	759426.06	9850918.32	3228.81	3226.63	3226.45
	PZ-T244	759421.58	9850926.89	3228.83	3226.15	3225.93
	PZ-T243	759409.24	9850962.91	3232.54	-	3230.84
	PZ-T246	759445.45	9850833.39	3223.84	-	3222.02
	PZ-T245	759426.06	9850918.32	3228.81	3226.63	3226.45
	PZ-T244	759421.58	9850926.89	3228.83	3226.15	3225.93
	PZ-T243	759409.24	9850962.91	3232.54	-	3230.84

G.A.D. MUNICIPAL DEL CANTÓN TISALEO
 "CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CURUPA, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

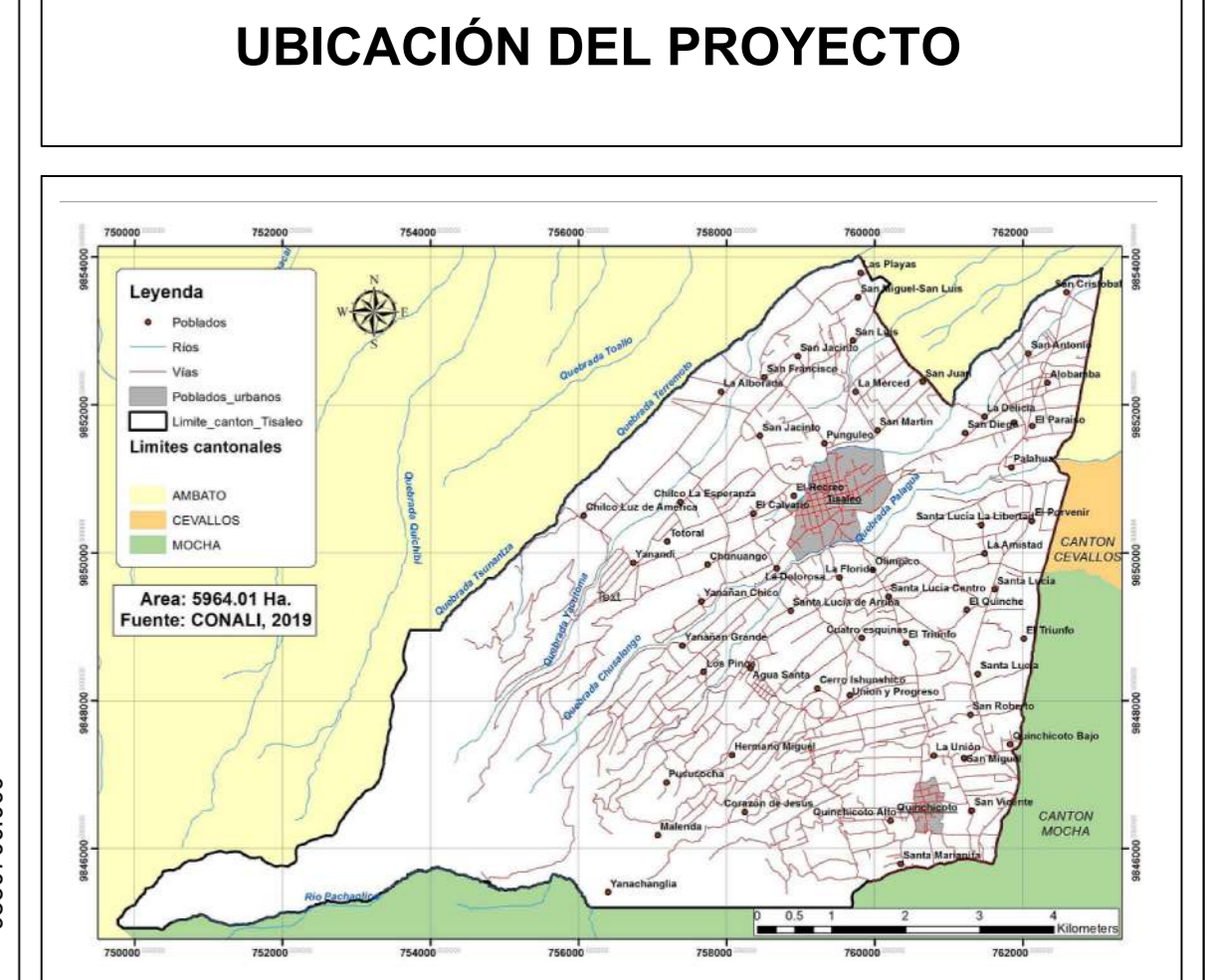
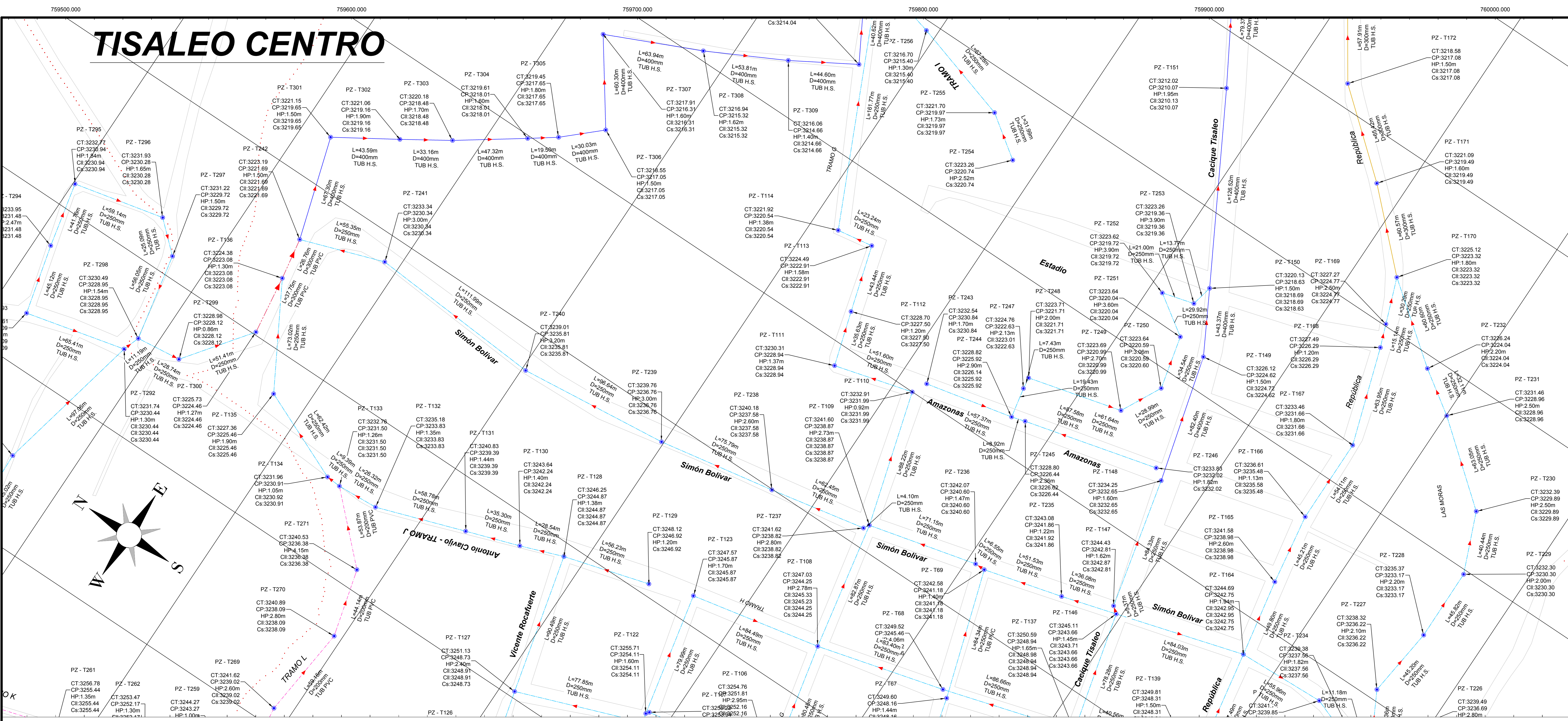
CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO, TRAMO JUAN MONTALVO, SIMÓN BOLÍVAR.

UNIVERSIDAD TÉCNICA DE AMBATO
 FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA
 CÁTEDRA DE INGENIERÍA CIVIL

ELABORADO POR: Ing. Gato Núñez Tutor
 REVISADO POR: Ing. Gato Núñez Tutor
 APROBADO POR: Ing. Gato Núñez Tutor

FECHA: OCTUBRE, 2022
 ESCALA: 1:1000
 LÁMINA: 22
 TOTAL LÁMINAS: 30

TISALEO CENTRO



DATOS GEOGRÁFICOS

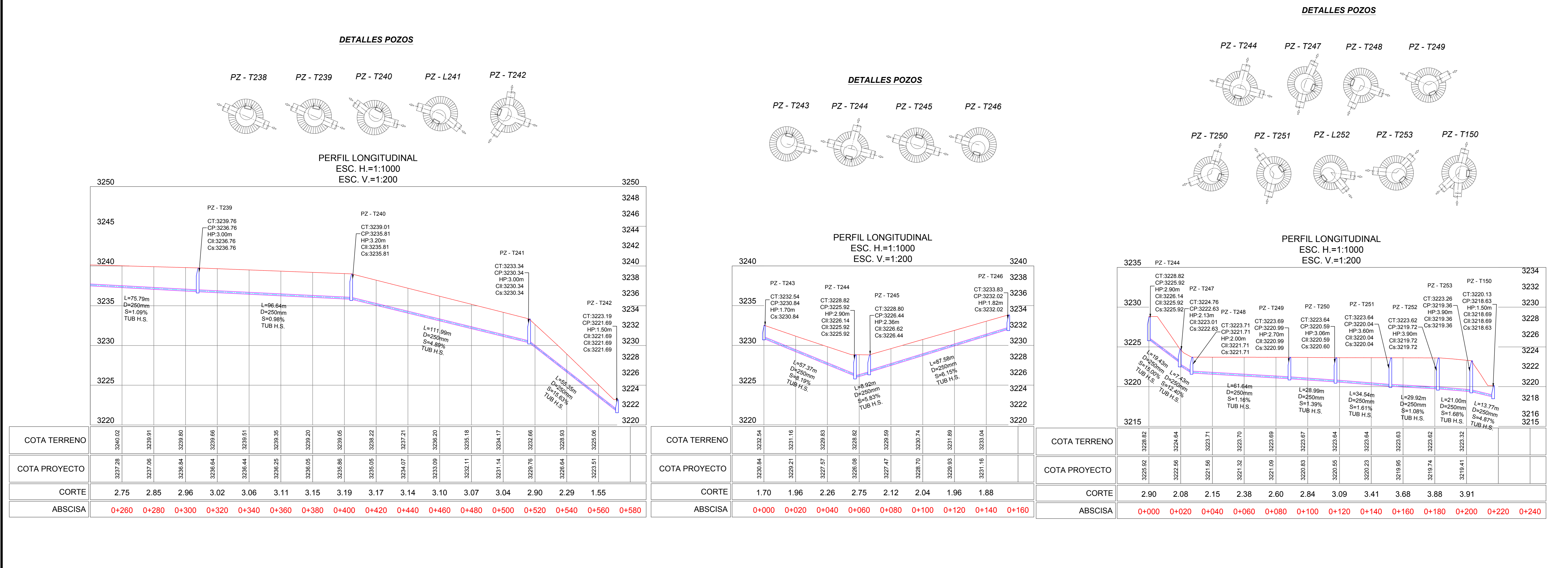
DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
75953.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES



RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ-T107	759340.21	9851013.10	3255.22	-	3253.94
PZ-T106	759354.96	9850931.26	3254.76	3252.16	3251.81
PZ-T217	759388.89	9850785.10	3259.80	-	3258.55
PZ-T218	759376.53	9850813.00	3258.37	3257.14	3257.14
PZ-T219	759378.48	9850815.32	3256.41	3256.01	3256.01
PZ-T220	759372.73	9850838.40	3257.50	3255.83	3255.83
PZ-T106	759354.96	9850931.26	3254.76	3252.16	3251.81
PZ-T217	759388.89	9850785.10	3259.80	-	3258.55
PZ-T103	759408.40	9850588.23	3256.47	3255.27	3254.87
PZ-T215	759304.03	9850796.05	3260.91	-	3260.71
PZ-T218	759376.53	9850813.00	3258.37	3257.14	3257.14
PZ-T146	759554.99	9850803.22	3245.11	-	3243.66
PZ-T255	759545.88	9850531.92	3243.08	3241.92	3241.92
PZ-T233	759580.58	9850668.58	3241.73	3239.85	3239.85
PZ-T234	759564.21	9850622.49	3239.38	3237.56	3237.56
PZ-T226	759575.32	9850623.75	3239.49	3236.69	3236.69
PZ-T146	759554.99	9850803.22	3245.11	-	3243.66
PZ-T235	759545.88	9850531.92	3243.08	3241.92	3241.92
PZ-T169	759532.03	9850887.77	3242.58	3241.18	3241.18
PZ-T236	759532.03	9850884.32	3242.07	3240.60	3240.60
PZ-T109	759515.11	9850963.43	3241.80	3238.87	3238.87
PZ-T237	759511.62	9850965.86	3241.62	3238.82	3238.82
PZ-T238	759499.53	9851026.85	3240.18	3237.58	3237.58
PZ-T239	759486.13	9851101.44	3239.76	3236.76	3236.76
PZ-T240	759475.97	9851107.55	3239.01	3235.81	3235.81
PZ-T241	759483.55	9851309.28	3233.34	3230.34	3230.34
PZ-T242	759465.56	9851361.62	3232.19	3221.69	3221.69
PZ-T243	759609.24	9850962.92	3232.54	-	3230.84
PZ-T244	759621.58	9850926.89	3228.83	3226.15	3225.93
PZ-T246	759645.45	9850833.39	3233.84	-	3232.02
PZ-T245	759624.06	9850918.32	3228.81	3226.63	3226.45
PZ-T244	759621.58	9850926.89	3228.83	3225.93	3225.93
PZ-T244	759621.58	9850926.89	3228.83	-	3225.93
PZ-T247	759640.64	9850950.67	3224.76	3223.01	3222.63
PZ-T248	759648.01	9850931.68	3223.71	3221.71	3221.71
PZ-T249	759663.19	9850871.93	3223.69	3220.99	3220.99
PZ-T250	759688.95	9850858.84	3223.65	3220.80	3220.60
PZ-T251	759712.55	9850851.62	3222.64	3220.04	3220.04
PZ-T252	759739.29	9850851.43	3222.62	3219.72	3219.72
PZ-T253	759744.76	9850851.16	3223.26	3219.36	3219.36
PZ-T150	759758.23	9850868.29	3220.13	3218.69	3218.63

G.A.D. MUNICIPAL DEL CANTÓN TISALEO

CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO, TRAMO SIMÓN BOLÍVAR, AMAZONAS, ESTADIO.

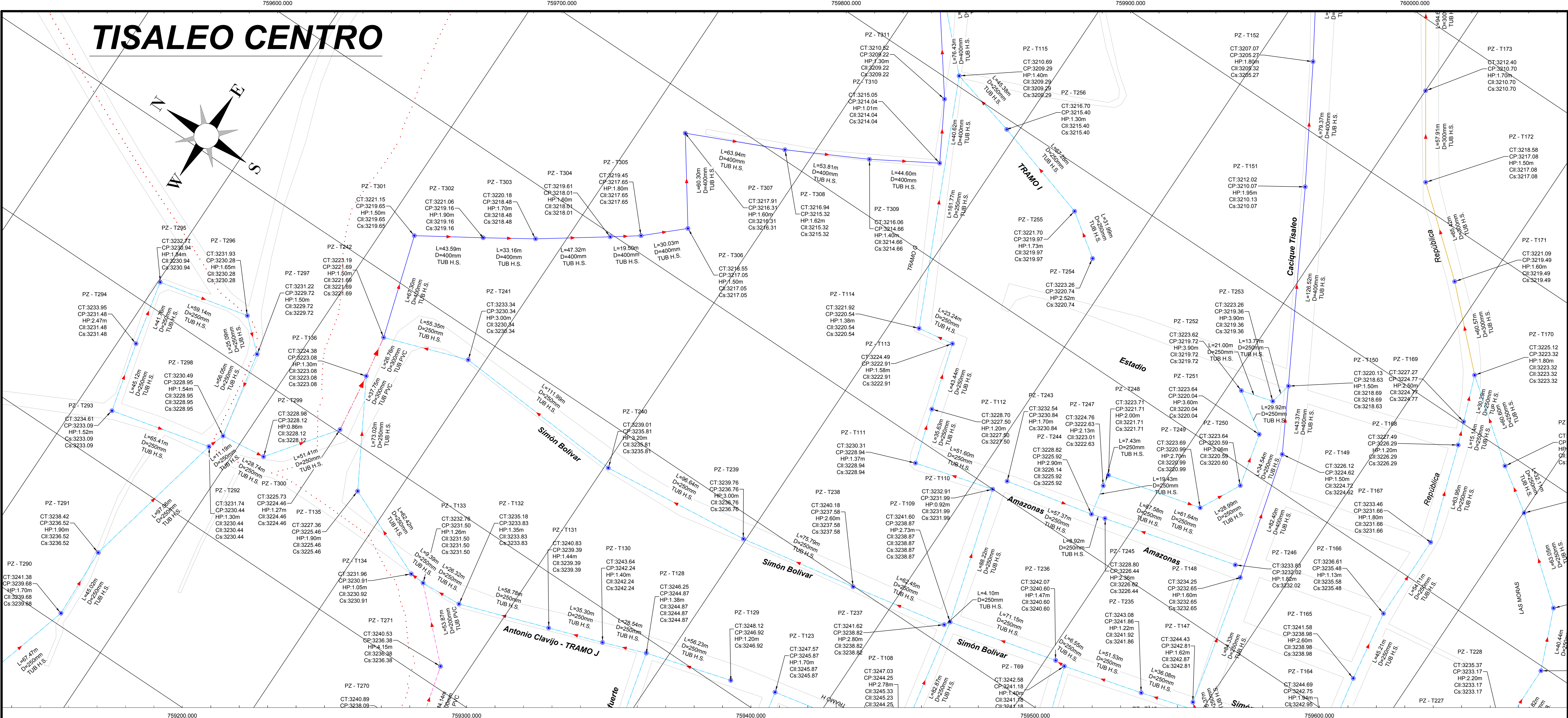
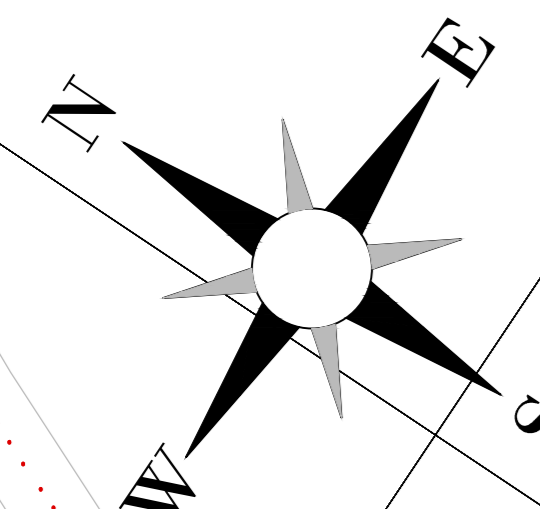
PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: TISALEO CENTRO

FECHA: OCTUBRE, 2022

ELABORADO POR: Eglis Tamara Bonita Testa REVISADO POR: Ing. Galo Nuñez Tutor APROBADO POR: Ing. Galo Nuñez Tutor

ESCALA: 1:1000 LÁMINA: LÁMINA 23 TOTAL LÁMINAS: 30

TISALEO CENTRO



UBICACIÓN DEL PROYECTO

DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
 759353.24 m E
 9850780.17 m S

ALTURA REFERENCIAL:
 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm

POZO DE REVISIÓN

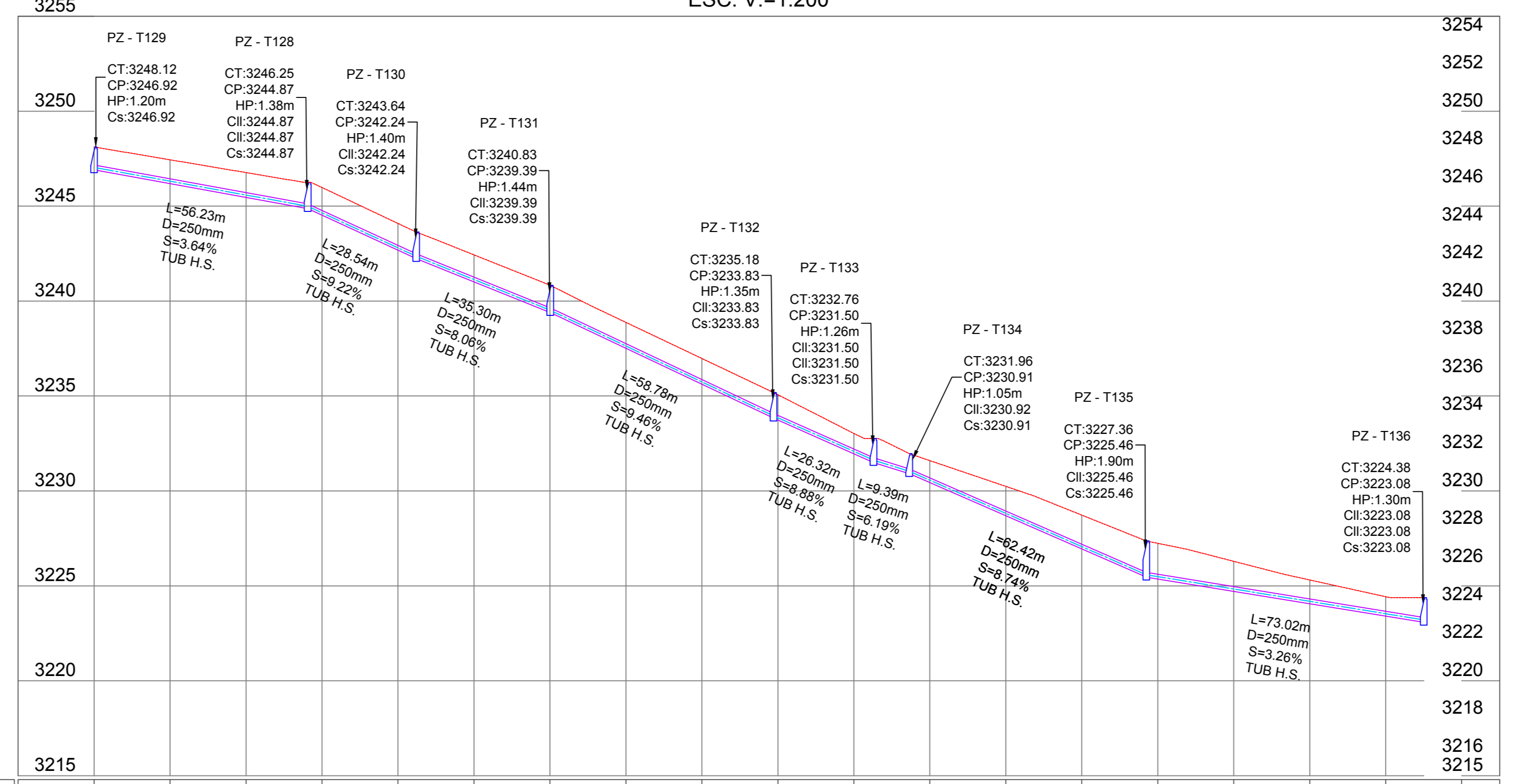
PERFIL DEL TERRENO

CALLES / VÍAS

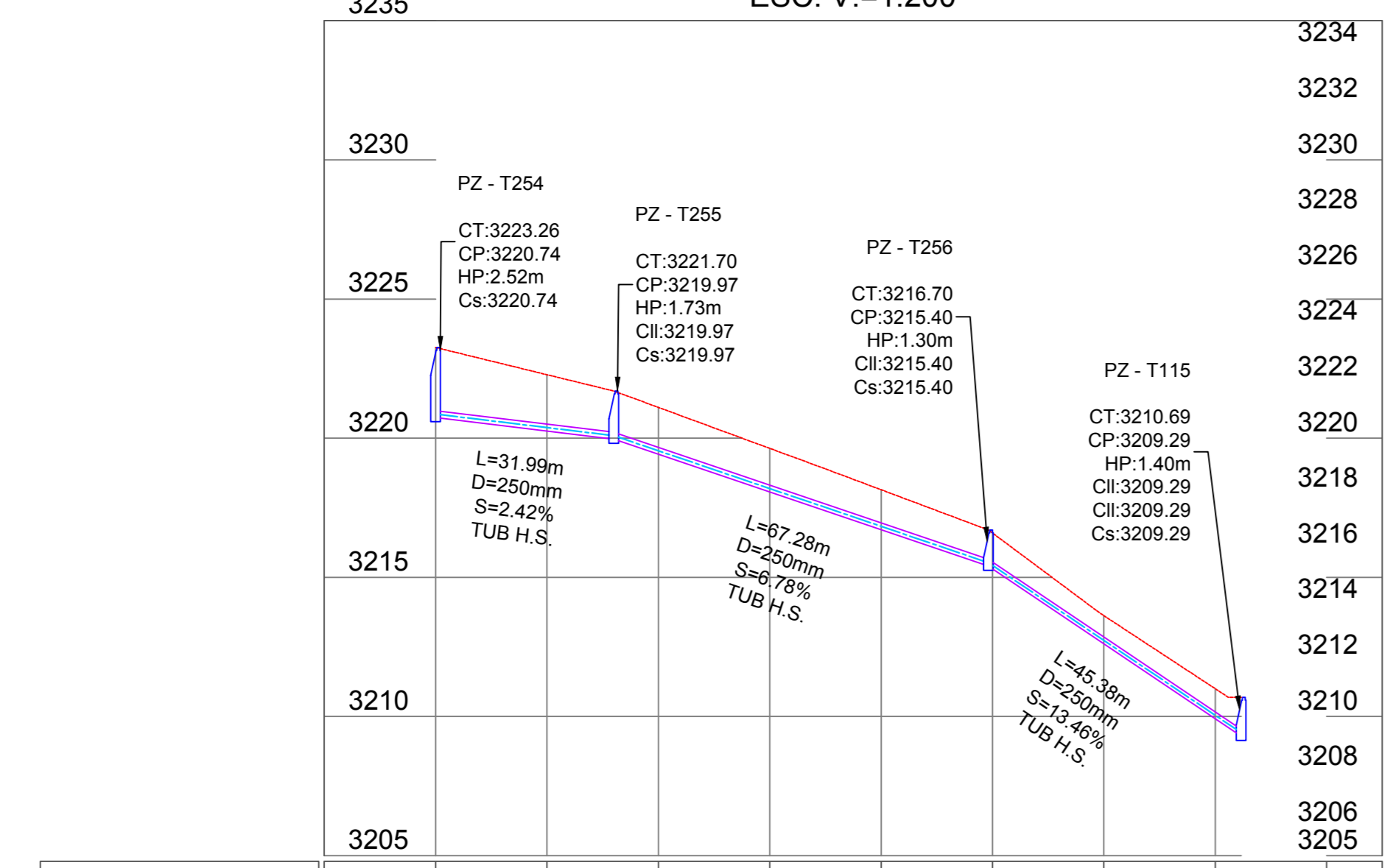
LÍMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CII	COTA DE LLEGADA
CS	COTA DE SALIDA
HP	ALTURA DE POZO

PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200



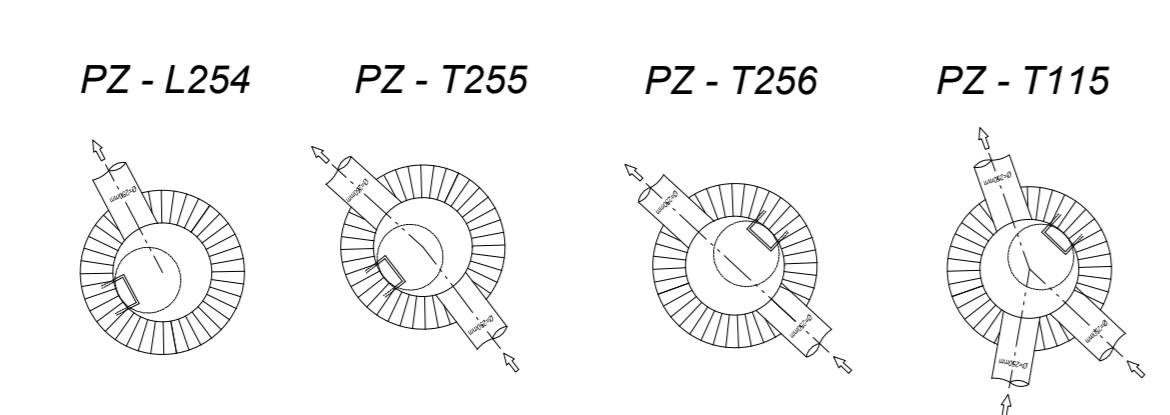
PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200



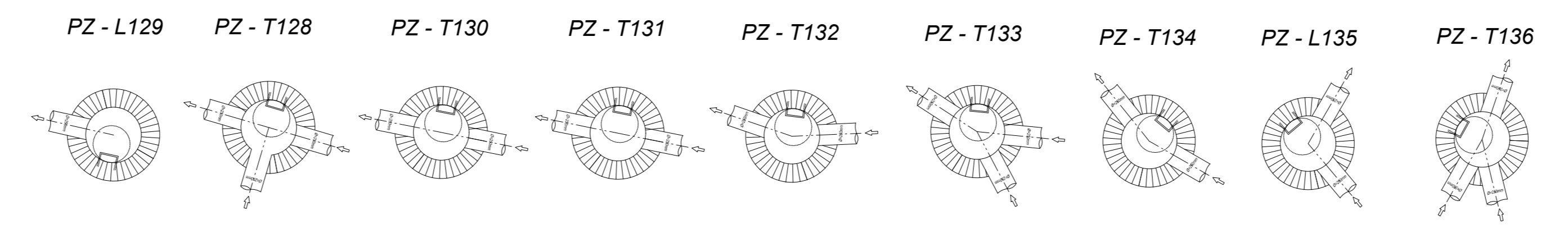
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160
COTA TERRENO	3220.74	3220.26	3219.11	3218.03	3216.15	3214.69	3213.02	3211.00	3209.02
COTA PROYECTO	3220.74	3220.26	3219.42	3218.07	3216.15	3214.30	3212.61	3211.00	3209.02
CORTE	2.52	2.02	1.68	1.57	1.44	1.29	1.01	1.08	

ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	
COTA TERRENO	3246.02	3246.19	3247.44	3246.77	3246.98	3246.09	3244.43	3244.01	3243.88	3243.40	3242.84	3242.24	3241.51	3240.88	3240.24	3239.58	3238.88	3238.12	3237.31	3236.06
COTA PROYECTO	3246.02	3246.19	3247.44	3246.77	3246.98	3246.09	3244.43	3244.01	3243.88	3243.40	3242.84	3242.24	3241.51	3240.88	3240.24	3239.58	3238.88	3238.12	3237.31	3236.06
CORTE	1.20	1.25	1.31	1.46	1.41	1.42	1.44	1.37	1.36	1.33	1.07	1.16	1.55	1.78	1.88	1.58	1.25	1.02		

DETALLES POZOS



DETALLES POZOS



G.A.D. MUNICIPAL DEL CANTON TISALEO

“CANTON DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA”

CONTIENE:
 RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO,
 TRAMO I, TRAMO J - ANTONIO CLAVIJO.

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: TISALEO CENTRO

FECHA: OCTUBRE, 2022

ELABORADO POR: Ing. Gato Núñez Tutor

REVISADO POR: Ing. Gato Núñez Tutor

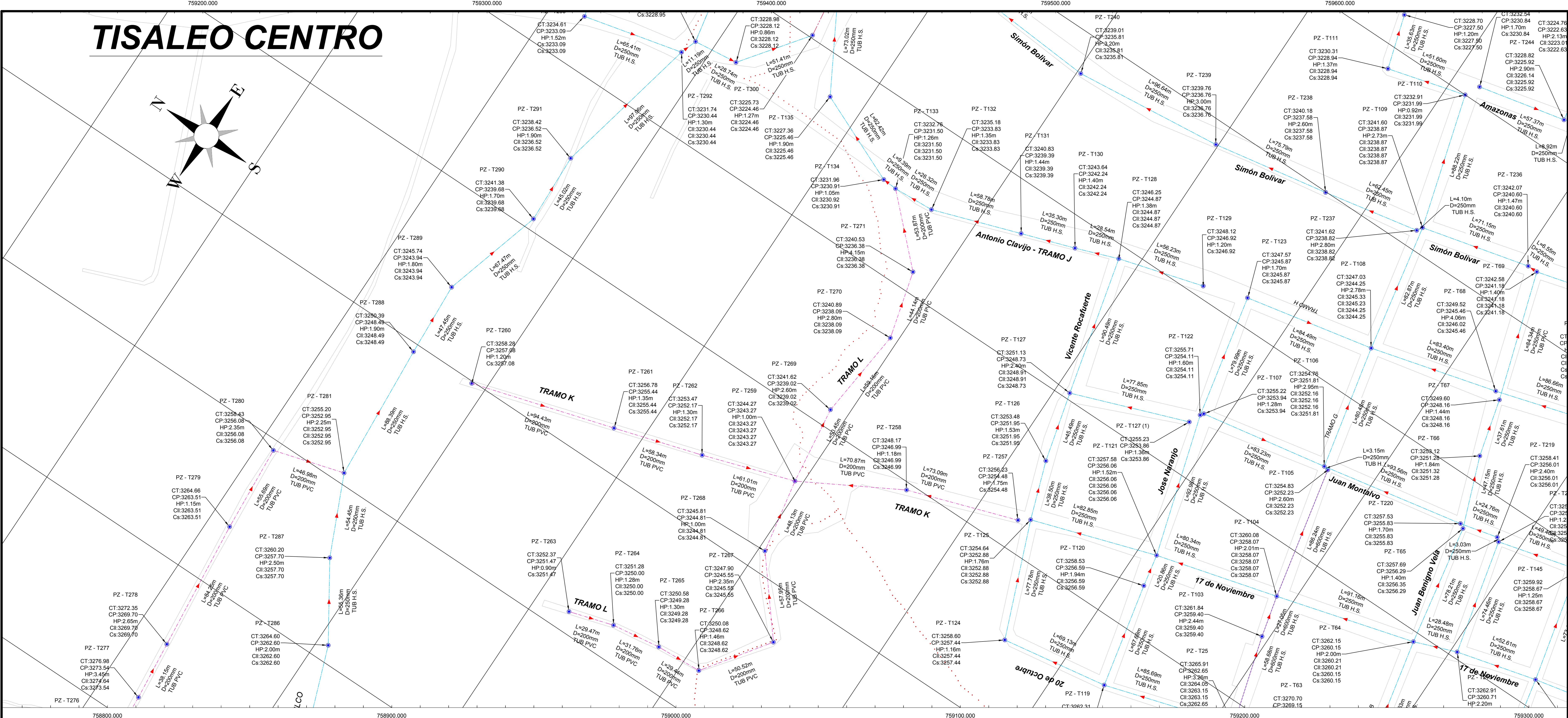
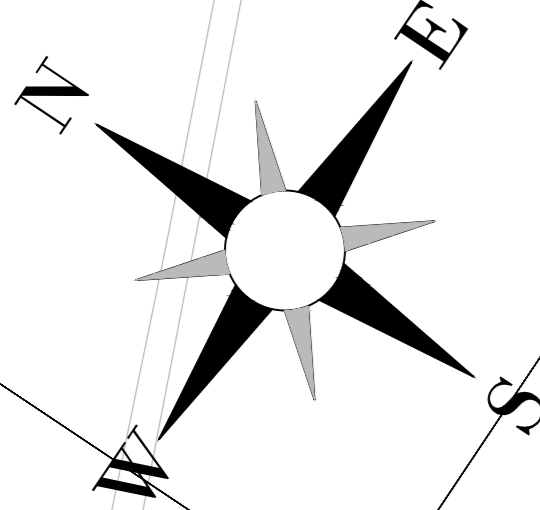
APROBADO POR: Ing. Gato Núñez Tutor

ESCALA: 1:1000

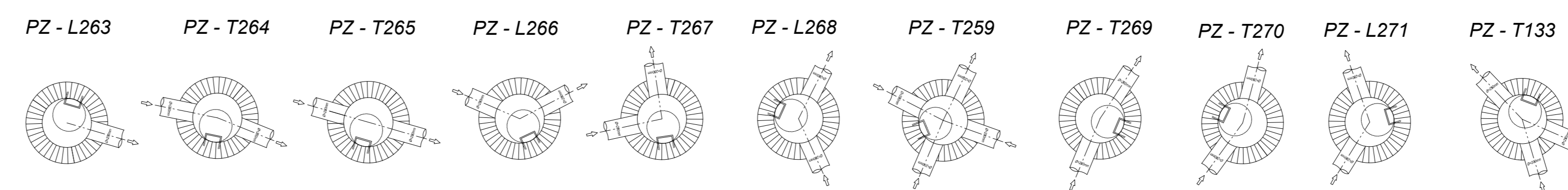
LÁMINA: LÁMINA 24

TOTAL LÁMINAS: 30

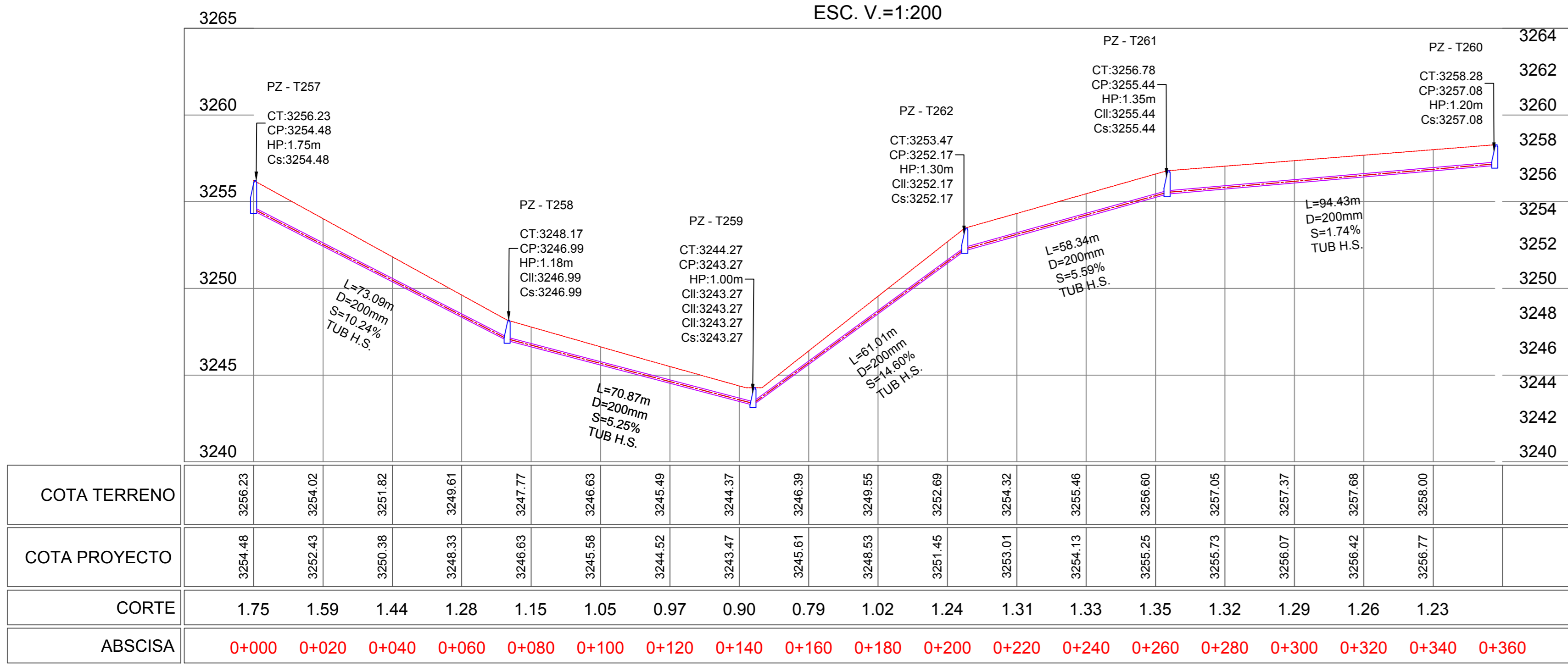
TISALEO CENTRO



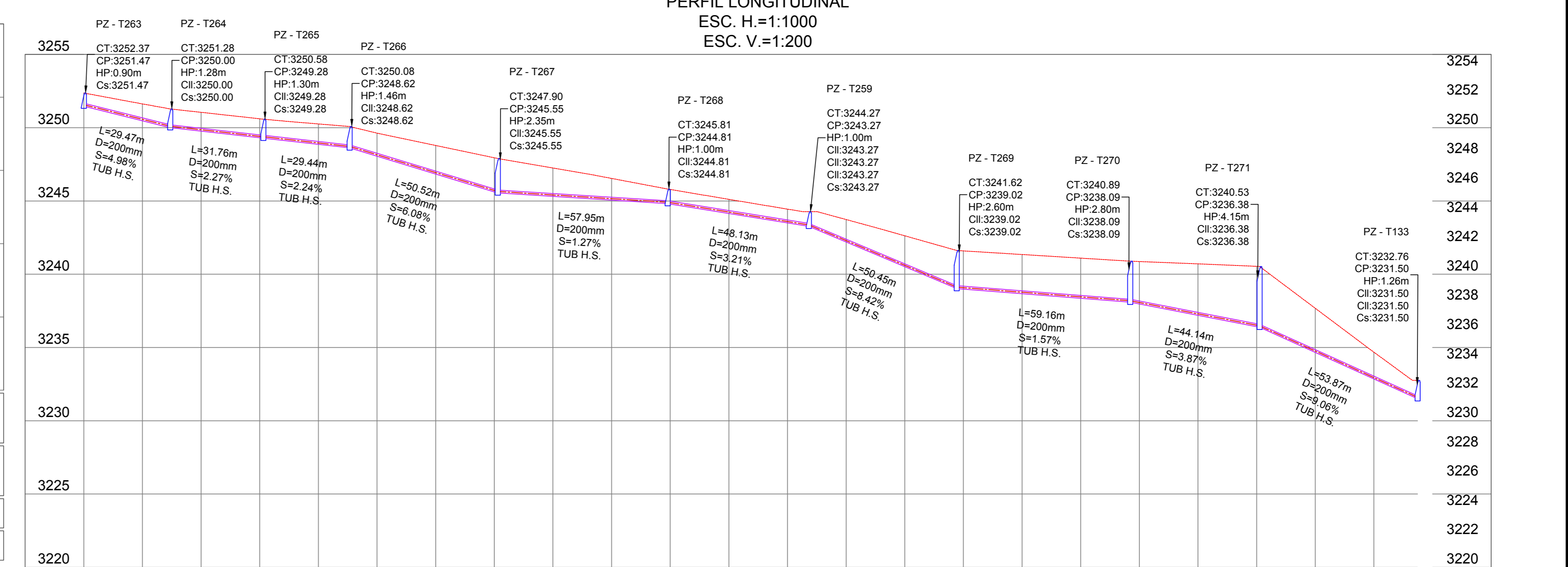
DETALLES POZOS



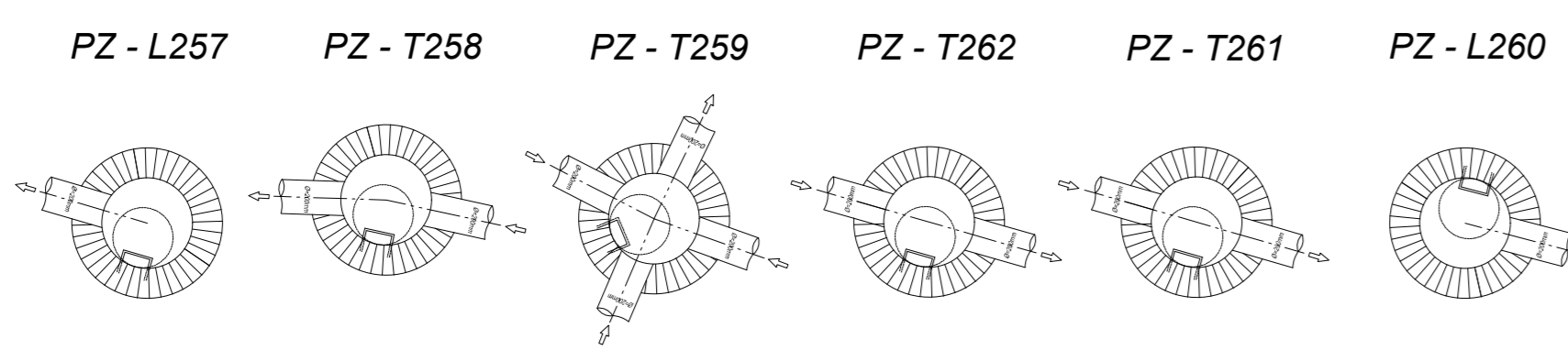
PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200



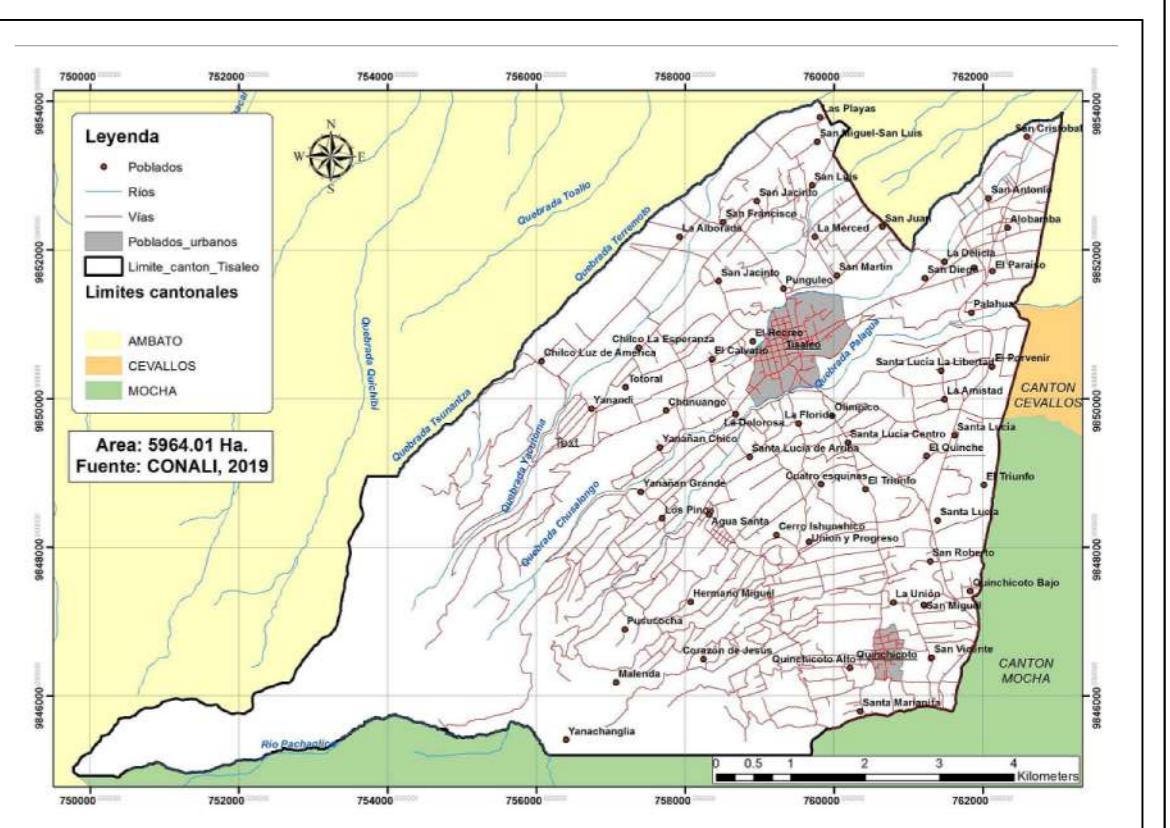
PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200



DETALLES POZOS



UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E
 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CII	COTA DE LLEGADA
CS	COTA DE SALIDA
HP	ALTURA DE POZO

RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO

POZO	NORTE (m)	ESTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ-T254	759756.49	9851016.20	3223.26	-	3220.74
PZ-T255	759775.00	9851042.29	3221.70	3219.97	3219.97
PZ-T256	759784.21	9851076.78	3216.70	3215.40	3215.40
PZ-T115	759605.63	9851150.69	3210.69	3209.29	3209.29
TRAMO J - ANTONIO CLAVIJO					
PZ-T129	759407.27	9851058.35	3248.12	-	3246.92
PZ-T130	759391.90	9851124.44	3246.25	3244.87	3244.87
PZ-T131	759382.07	9851139.24	3243.64	3242.24	3242.24
PZ-T132	759370.81	9851172.69	3240.83	3239.39	3239.39
PZ-T133	759351.86	9851228.31	3235.18	3233.83	3233.83
PZ-T134	759326.26	9851254.60	3232.76	3231.50	3231.50
PZ-T135	759305.89	9851263.98	3231.96	3230.91	3230.91
PZ-T136	759439.17	9851397.22	3224.38	3223.08	3223.08
TRAMO K					
PZ-T257	759218.90	9851073.58	3256.23	-	3254.48
PZ-T258	759195.58	9851142.85	3248.17	3246.99	3246.99
PZ-T259	759181.02	9851204.72	3244.27	3243.27	3243.27
TRAMO L					
PZ-T260	759098.75	9851409.21	3256.28	-	3257.08
PZ-T261	759125.27	9851106.78	3216.70	3215.40	3215.40
PZ-T262	759142.03	9851262.70	3253.47	3252.17	3252.17
PZ-T259	759181.02	9851204.72	3244.27	3243.27	3243.27
TRAMO M					
PZ-T263	759012.90	9851277.76	3252.37	-	3251.47
PZ-T264	759021.36	9851249.53	3251.28	3250.00	3250.00
PZ-T265	759025.86	9851218.09	3250.58	3249.28	3249.28
PZ-T266	759027.51	9851188.69	3249.18	3248.62	3248.62
PZ-T267	759008.70	9851159.44	3247.90	3245.55	3245.55
PZ-T268	759113.69	9851195.96	3245.81	3244.81	3244.81
PZ-T269	759161.02	9851204.72	3244.27	3243.27	3243.27
PZ-T270	759161.02	9851204.72	3244.27	3243.27	3243.27
PZ-T271	759121.09	9851211.62	3241.62	3239.02	3239.02
PZ-T272	759029.89	9851204.84	3240.89	3238.09	3238.09
PZ-T273	759012.90	9851216.11	3240.53	3238.38	3238.38
PZ-T274	759030.26	9851254.69	3232.76	3231.50	3231.50
TRAMO PUNGUELO					
PZ-T272	758531.79	9851430.37	3259.58	-	3259.08
PZ-T273	758512.29	9851443.77	3258.11	3256.87	3256.87
PZ-T274	758525.63	9851451.47	3253.11	3251.07	3251.07
PZ-T275	758580.17	9851481.38	3249.42	3247.71	3247.71
PZ-T276	758776.05	9851471.68	3249.62	3248.95	3248.95
PZ-T277	758816.35	9851445.30	3247.99	3244.84	3244.84
PZ-T278	758854.32	9851478.01	3242.35	3239.70	3239.70
PZ-T279	758938.17	9851460.24	3244.86	3243.51	3243.51
PZ-T280	758993.73	9851440.06	3245.43	3244.08	3244.08
PZ-T281	759006.71	9851444.92	3245.20	3242.95	3242.95
TRAMO CHILCO					
PZ-T282	758725.18	9851290.82	3274.74	-	3275.10
PZ-T283	758727.43	9851281.02	3277.28	3274.08	3274.08
PZ-T284	758787.62	9851330.29	3272.25	3270.15	3270.15
PZ-T285	758819.80	9851309.25	3270.93	3267.83	3267.83
PZ-T286	758910.46	9851302.68	3264.60	3262.60	3262.60
PZ-T287	758957.03	9851422.62	3260.20	3257.70	3257.70
PZ-T288	759006.71	9851444.92	3255.20	3252.95	3252.95
PZ-T289	759094.89	9851453.96	3250.39	3248.48	3248.48
PZ-T290	759142.27	9851453.60	3245.74	3243.94	3243.94
PZ-T291	759207.00	9851434.55	3241.38	3239.68	3239.68
PZ-T292	759251.86	9851430.28	3238.42	3236.52	3236.52
PZ-T293	759346.73	9851415.24	3231.74	3230.44	3230.44

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMBA, SANTA LUCÍA-LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

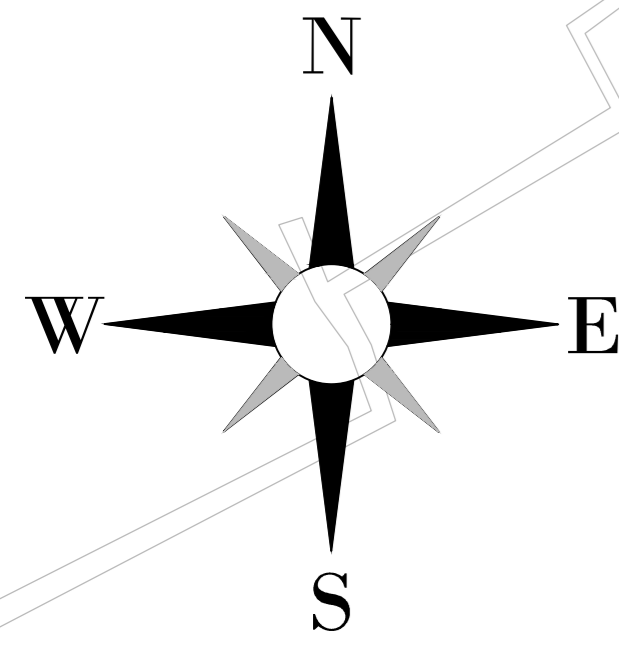
CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO, TRAMO K, TRAMO L.

UNIVERSIDAD TÉCNICA DE AMBATO
 FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA
 CÁTEDRA DE INGENIERÍA CIVIL

FECHA: OCTUBRE, 2023
 ELABORADO POR: Egidio Tambo Bonilla Testa
 REVISADO POR: Ing. Gato Nuñez Tutor
 APROBADO POR: Ing. Gato Nuñez Tutor

ESCALA: 1:1000
 LÁMINA: LÁMINA 25
 TOTAL LÁMINAS: 30

SAN FRANCISCO



TRAMO PUNGUELO

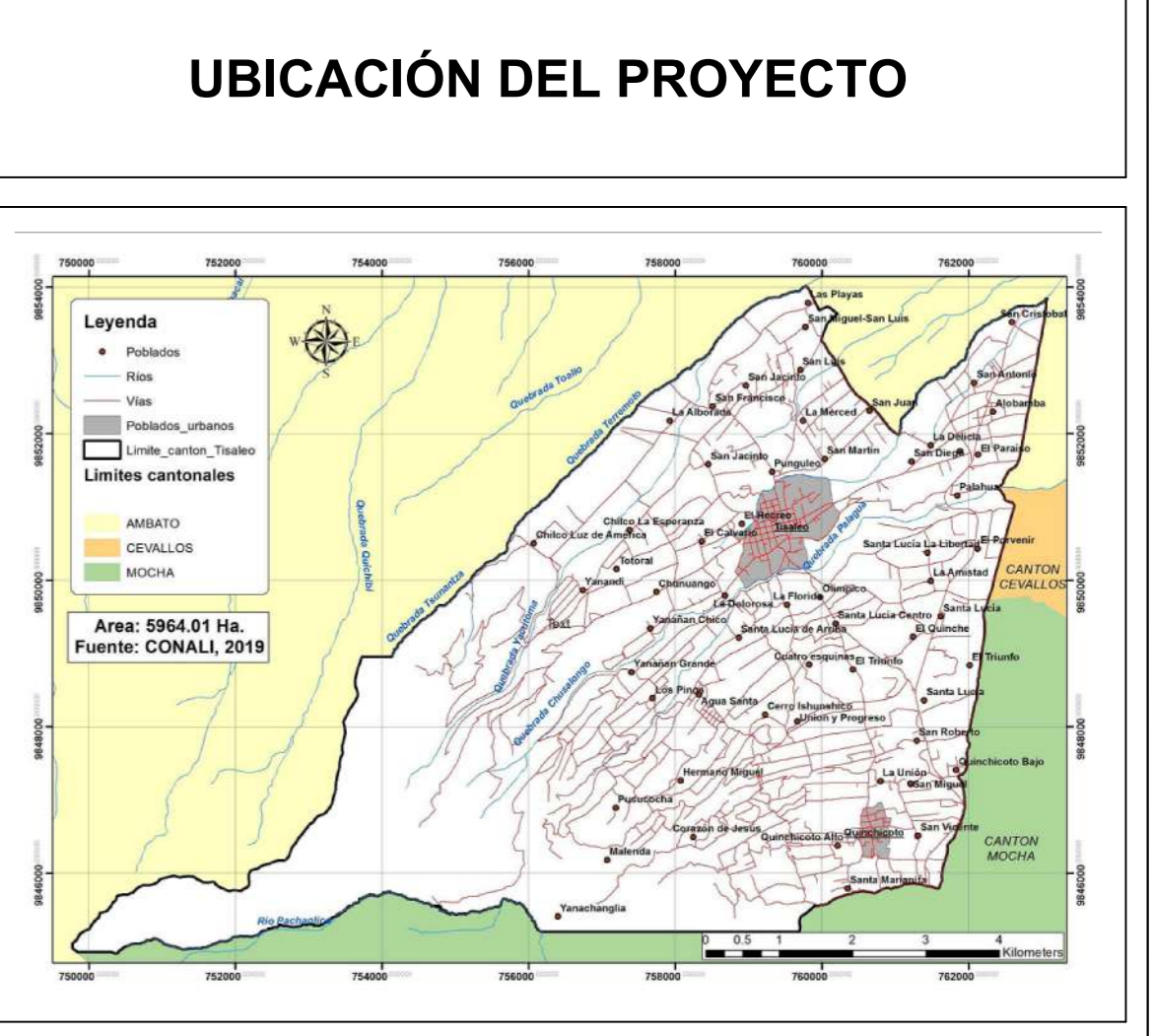
TRAMO CHILCO

TRAMO K

TRAMO L

TRAMO L

Salida de la Planta de Tratamiento de Aguas Servidas "Chilco La Esperanza"



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E
 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

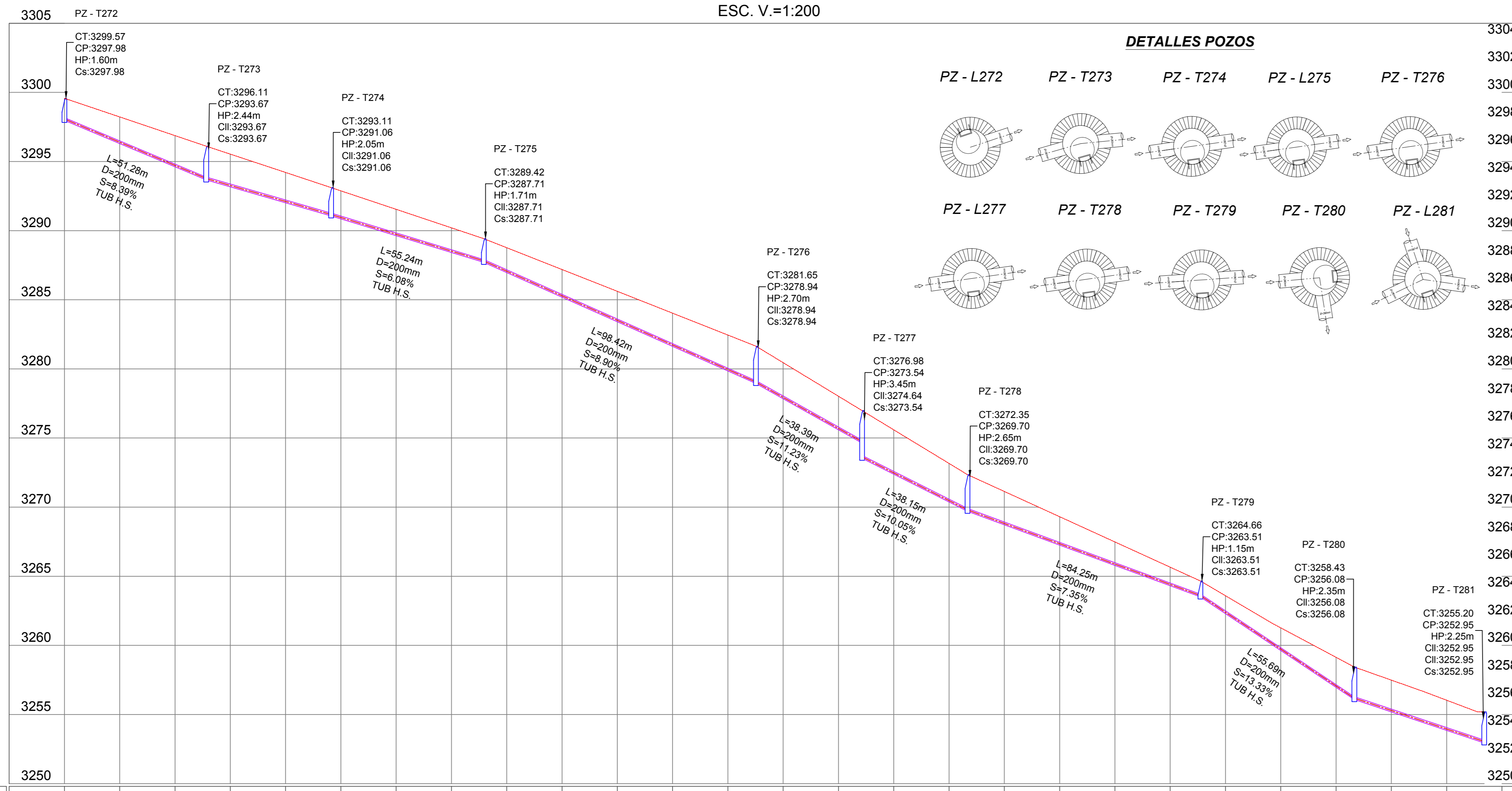
- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CII	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

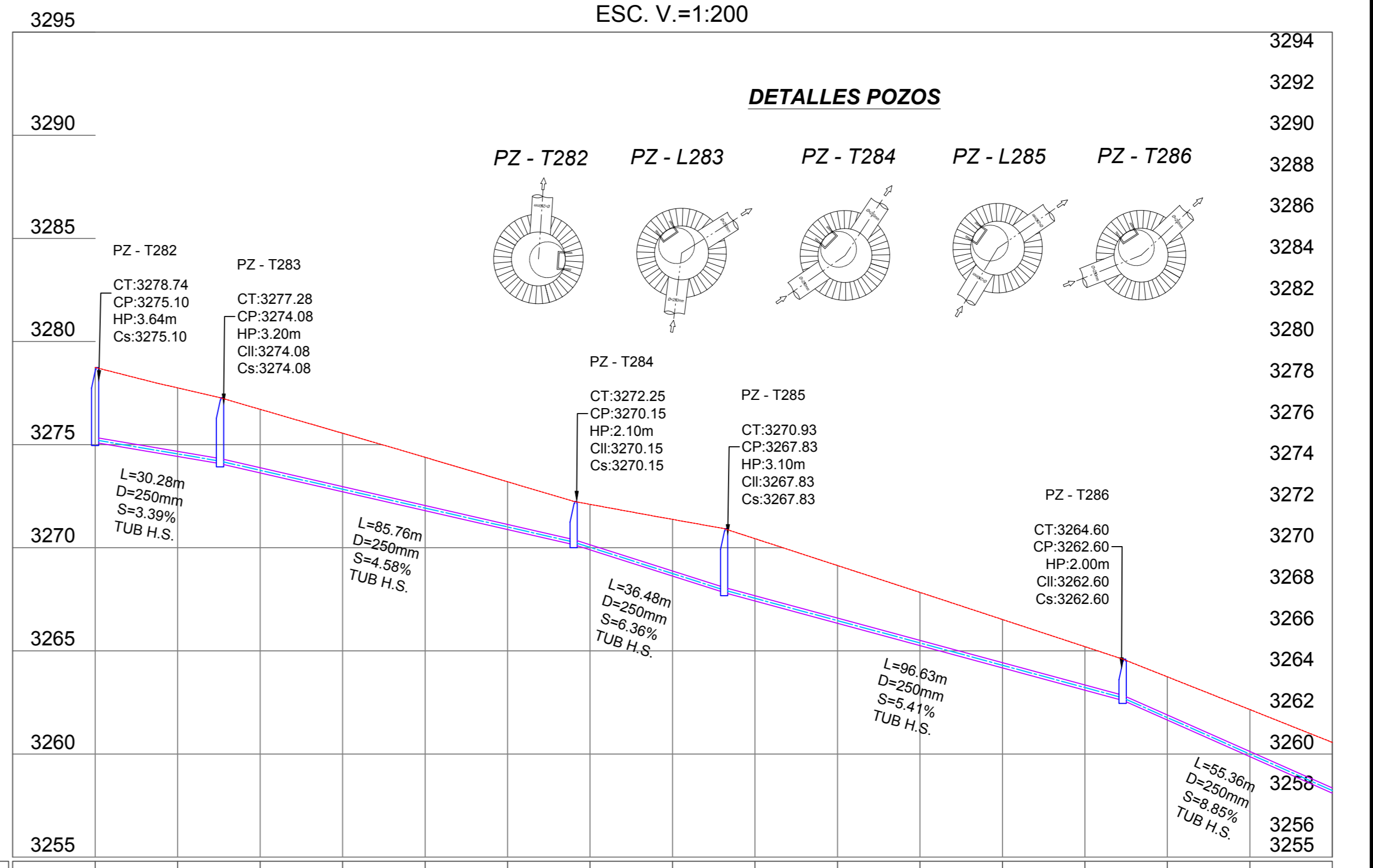
RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TISALEO CENTRO					
PZ-T254	759756.49	9851016.20	-	-	3220.74
PZ-T255	759775.00	9851046.29	3221.70	3219.97	3219.97
PZ-T256	759794.21	9851106.78	3216.70	3215.40	3215.40
PZ-T115	759605.63	9851150.69	3210.69	3209.29	3209.29
TRAMO J - ANTONIO CLAVIJO					
PZ-T129	759407.27	9851058.35	3246.12	-	3246.92
PZ-T130	759391.90	9851124.44	3246.25	3244.87	3244.87
PZ-T131	759382.07	9851139.24	3243.64	3242.24	3242.24
PZ-T132	759370.81	9851172.69	3240.83	3239.39	3239.39
PZ-T133	759351.86	9851228.31	3235.18	3233.83	3233.83
PZ-T134	759350.26	9851254.60	3232.76	3231.50	3231.50
PZ-T135	759350.89	9851263.98	3231.96	3230.91	3230.91
PZ-T136	759439.17	9851397.22	3234.38	3223.08	3223.08
TRAMO K					
PZ-T257	759218.90	9851073.58	3256.23	-	3254.48
PZ-T258	759195.58	9851142.85	3248.17	3246.99	3246.99
PZ-T259	759181.02	9851204.72	3244.27	3243.27	3243.27
PZ-T260	759098.75	9851409.21	3256.28	-	3257.08
PZ-T261	759125.27	9851316.98	3216.70	3215.44	3215.44
PZ-T262	759142.03	9851262.70	3253.47	3252.17	3252.17
PZ-T259	759181.02	9851204.72	3244.27	3243.27	3243.27
TRAMO L					
PZ-T263	759012.90	9851277.76	3252.37	-	3251.47
PZ-T264	759021.36	9851249.53	3251.28	3250.00	3250.00
PZ-T265	759025.86	9851218.09	3250.58	3249.28	3249.28
PZ-T266	759027.51	9851188.63	3250.08	3248.62	3248.62
PZ-T267	759008.70	9851159.44	3247.90	3245.55	3245.55
PZ-T268	759113.69	9851195.96	3245.81	3244.81	3244.81
PZ-T269	759161.02	9851204.72	3244.27	3243.27	3243.27
PZ-T270	759269.89	9851211.02	3241.62	3239.02	3239.02
PZ-T271	759269.89	9851204.84	3240.89	3238.09	3238.09
PZ-T272	759312.57	9851216.11	3240.53	3236.38	3236.38
PZ-T133	759350.26	9851254.60	3232.76	3231.50	3231.50
TRAMO PUNGUELO					
PZ-T272	758531.79	9851430.37	3259.58	-	3257.98
PZ-T273	758512.29	9851443.77	3256.11	3253.67	3253.67
PZ-T274	758625.63	9851451.47	3253.11	3251.07	3251.07
PZ-T275	758680.17	9851481.38	3249.42	3247.71	3247.71
PZ-T276	758778.05	9851471.68	3241.65	3238.95	3238.95
PZ-T277	758816.35	9851474.30	3239.99	3237.84	3237.84
PZ-T278	758854.32	9851478.01	3237.35	3235.70	3235.70
PZ-T279	758938.17	9851466.24	3234.66	3233.51	3233.51
PZ-T280	759003.73	9851460.68	3232.43	3231.08	3231.08
PZ-T281	759006.71	9851444.92	3235.20	3232.95	3232.95
TRAMO CHILCO					
PZ-T282	758725.18	9851280.82	3274.74	-	3275.10
PZ-T283	758727.43	9851281.02	3277.28	3274.08	3274.08
PZ-T284	758787.62	9851330.29	3272.25	3270.15	3270.15
PZ-T285	758819.80	9851358.25	3270.93	3267.83	3267.83
PZ-T286	758910.46	9851392.68	3264.60	3262.60	3262.60
PZ-T287	758957.03	9851422.62	3260.20	3257.70	3257.70
PZ-T288	759049.89	9851453.96	3255.39	3248.48	3248.48
PZ-T289	759142.27	9851453.60	3245.74	3243.94	3243.94
PZ-T290	759207.00	9851434.55	3241.38	3239.68	3239.68
PZ-T291	759251.88	9851436.28	3238.42	3236.52	3236.52
PZ-T292	759346.73	9851415.24	3231.74	3230.44	3230.44

PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200



PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200



COTA TERRENO	3299.57	3298.22	3298.67	3295.53	3294.21	3296.86	3291.54	3290.20	3298.76	3297.19	3297.19	3296.61	3294.03	3292.45	3294.45	3291.54	3290.02	3297.59	3296.99	3297.37	3297.13	3296.31	3295.66	3292.59	3291.27	3295.14	3294.49	3293.85	3296.03	
COTA PROYECTO	3297.97	3296.22	3294.62	3293.17	3292.02	3290.96	3289.84	3288.42	3296.97	3295.85	3295.85	3294.41	3292.03	3290.45	3293.74	3291.84	3290.96	3297.59	3296.99	3297.37	3297.13	3296.31	3295.66	3292.59	3291.27	3295.14	3294.49	3293.85	3296.03	
CORTE	1.60	1.93	2.26	2.36	2.19	2.02	1.90	1.78	1.79	2.00	2.20	2.40	2.60	2.61	2.43	3.21	2.79	2.41	2.06	1.70	1.34	1.29	1.64	2.17	2.30	2.18				
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520			

COTA TERRENO	3275.74	3277.75	3278.83	3276.55	3274.39	3273.20	3272.10	3271.55	3270.44	3269.84	3268.52	3266.21	3265.74	3263.16	3262.16	3261.16	3259.87	3258.16
COTA PROYECTO	3275.10	3274.43	3273.75	3272.72	3271.39	3270.88	3269.80	3268.90	3268.02	3267.84	3266.52	3265.21	3264.64	3262.16	3261.16	3260.16	3258.87	3257.16
CORTE	3.64	3.33	3.08	2.84	2.59	2.32	2.21	2.75	3.02	2.80	2.58	2.34	2.11	2.10	2.28			
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280			

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACION Y DIGITALIZACION PARA MEJORAR LA CALIDAD DE INFORMACION SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SANTA LUCIA, ALBARRA, SANTA LUCIA LIBERTAD, SANTA LUCIA-CENTRO, SANTA LUCIA ARRIBA, EL CALVARIO DEL CANTON TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO, TRAMO PUNGUELO, TRAMO CHILCO.

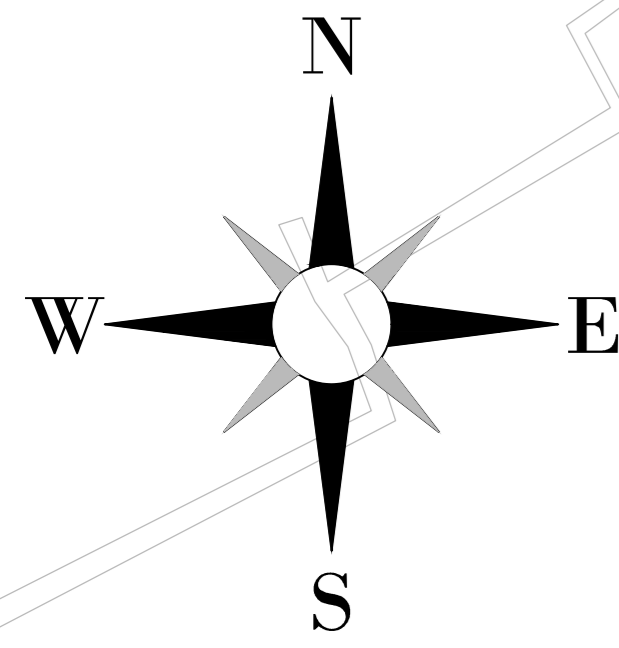
PROVINCIA: TUNGURAHUA CANTON: TISALEO SECTOR: TISALEO CENTRO

FECHA: OCTUBRE, 2022 ESCALA: 1:1000

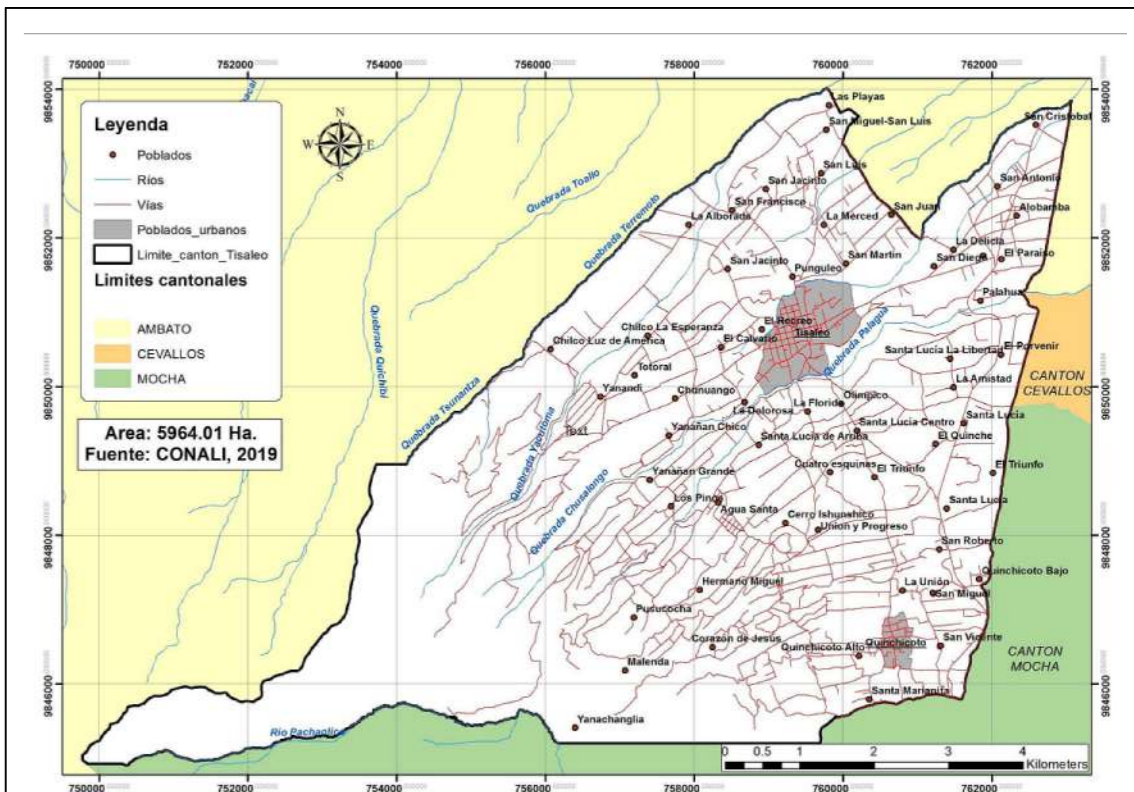
ELABORADO POR: Ing. Yanna Bonita Testa REVISADO POR: Ing. Galo Núñez Tuta APROBADO POR: Ing. Galo Núñez Tuta

LÁMINA: LÁMINA 26 TOTAL LÁMINAS: 30

SAN FRANCISCO



UBICACION DEL PROYECTO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E
 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CII	COTA DE LLEGADA
CS	COTA DE SALIDA
HP	ALTURA DE POZO

RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
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TISALEO CENTRO					
PZ-T254	759756.49	9851016.20	-	3223.26	3220.74
PZ-T255	759775.00	9851042.29	3221.70	3219.97	3219.97
PZ-T256	759794.21	9851106.78	3216.70	3215.40	3215.40
PZ-T115	759605.63	9851150.69	3210.69	3209.29	3209.29

TRAMO J - ANTONIO CLAVIJO					
PZ-T129	759407.27	9851058.35	3248.12	-	3246.92
PZ-T130	759391.90	9851112.44	3246.25	3244.87	3244.87
PZ-T131	759382.07	9851139.24	3243.64	3242.24	3242.24
PZ-T132	759370.81	9851172.69	3240.83	3239.39	3239.39
PZ-T133	759351.86	9851228.33	3235.18	3233.83	3233.83
PZ-T134	759350.26	9851254.60	3232.76	3231.50	3231.50
PZ-T135	759350.89	9851263.98	3231.96	3230.91	3230.91
PZ-T136	759439.17	9851357.22	3234.38	3233.08	3233.08

TRAMO K					
PZ-T287	759218.90	9851073.58	3256.23	-	3254.48
PZ-T288	759195.58	9851142.85	3248.17	3246.99	3246.99
PZ-T289	759181.02	9851204.72	3244.27	3243.27	3243.27

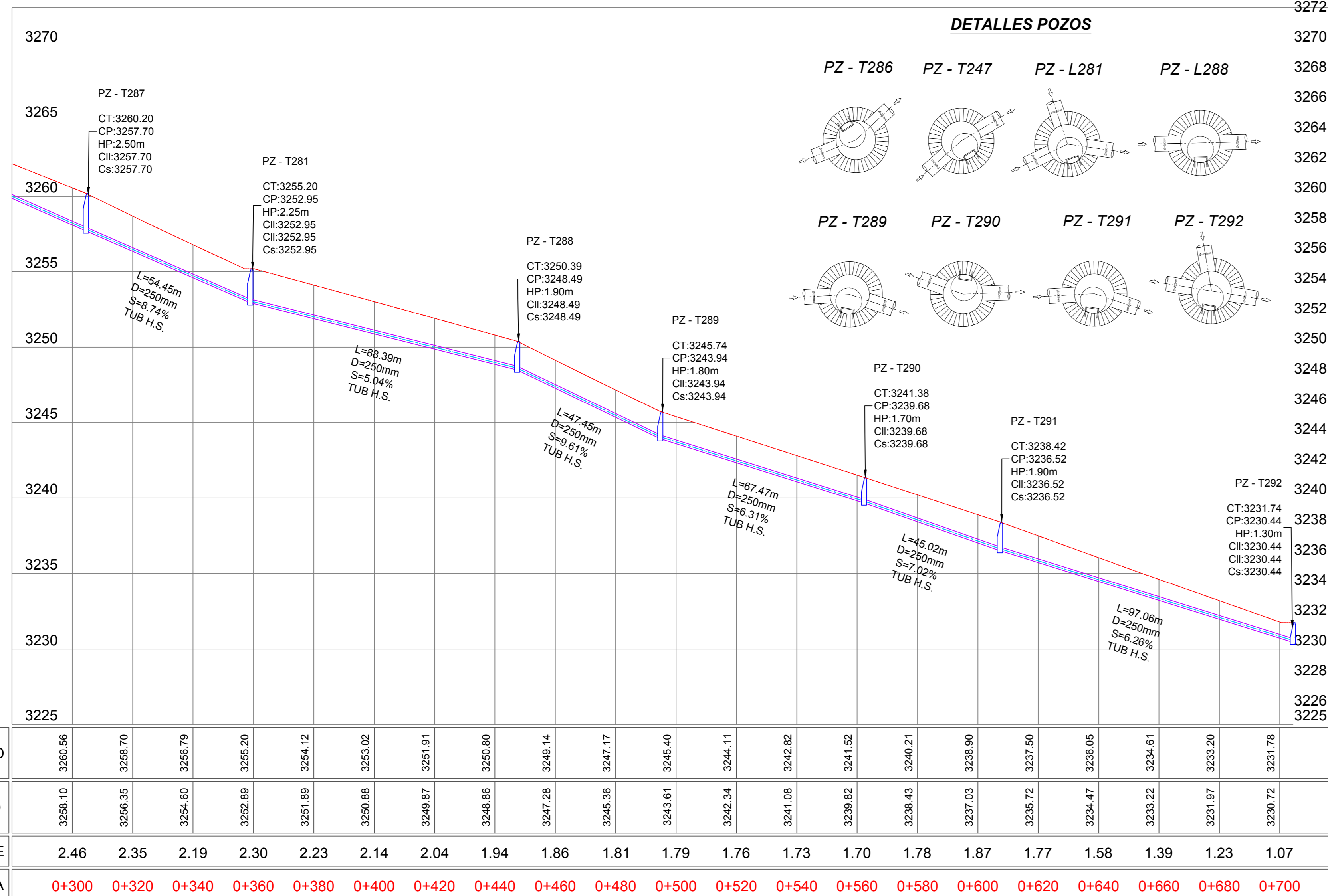
TRAMO L					
PZ-T260	759098.75	9851409.21	3258.28	-	3257.08
PZ-T261	759125.27	9851318.09	3256.79	3255.44	3255.44
PZ-T262	759142.03	9851262.70	3253.47	3252.17	3252.17
PZ-T259	759181.02	9851264.72	3244.27	3243.27	3243.27

TRAMO M					
PZ-T263	759012.90	9851277.76	3252.37	-	3251.47
PZ-T264	759021.36	9851249.53	3251.28	3250.00	3250.00
PZ-T265	759025.86	9851172.69	3250.58	3249.28	3249.28
PZ-T266	759027.51	9851188.69	3250.08	3248.62	3248.62
PZ-T267	759068.70	9851159.44	3247.90	3246.55	3246.55
PZ-T268	759113.69	9851195.96	3245.81	3244.81	3244.81
PZ-T269	759161.02	9851204.72	3244.27	3243.27	3243.27
PZ-T270	759161.02	9851211.09	3241.62	3239.02	3239.02
PZ-T271	759125.27	9851216.11	3240.53	3238.38	3238.38
PZ-T133	759350.26	9851264.60	3234.38	3233.00	3233.00

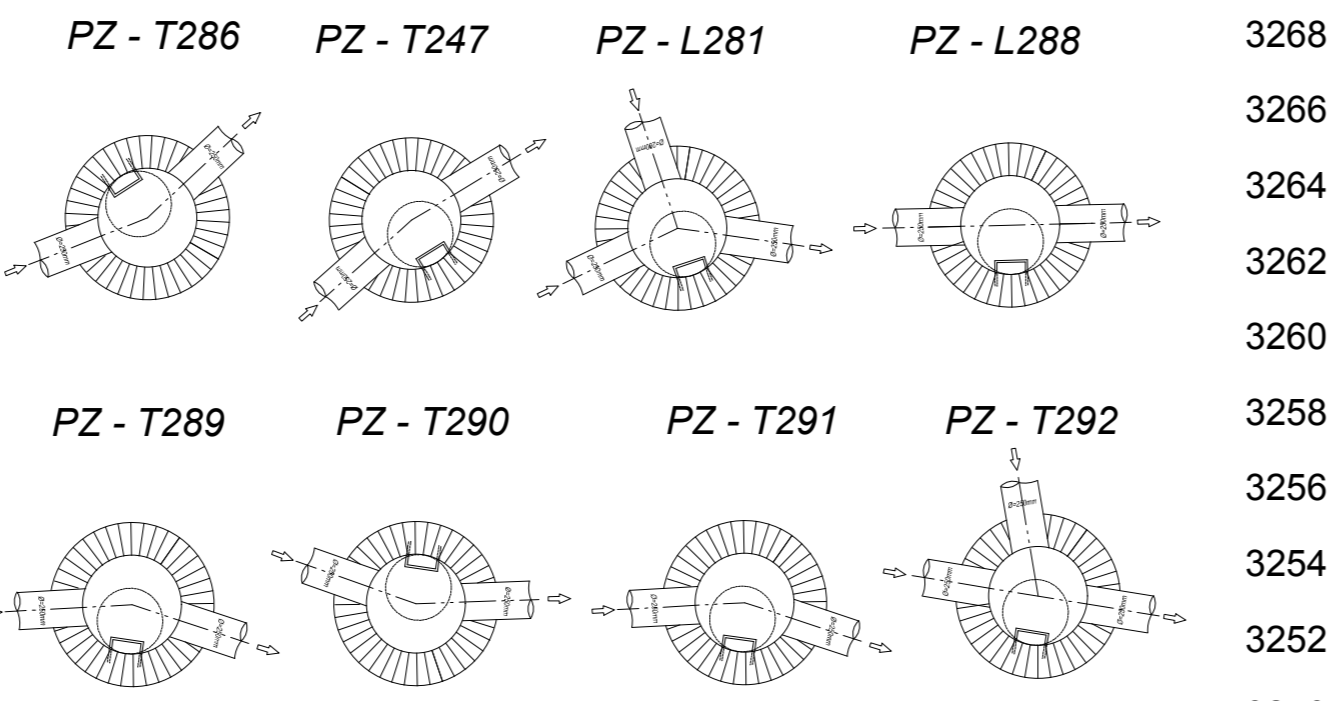
TRAMO NUNGUELO					
PZ-T272	758531.79	9851430.37	3259.58	-	3257.98
PZ-T273	758512.29	9851453.77	3256.11	3253.67	3253.67
PZ-T274	758525.83	9851451.47	3253.11	3251.07	3251.07
PZ-T275	758580.17	9851481.38	3249.42	3247.71	3247.71
PZ-T276	758778.05	9851471.68	3245.65	3243.95	3243.95
PZ-T277	758816.35	9851443.30	3243.99	3242.64	3242.64
PZ-T278	758854.32	9851478.01	3242.35	3240.70	3240.70
PZ-T279	758938.17	9851486.24	3240.66	3238.51	3238.51
PZ-T280	758993.73	9851460.88	3238.43	3236.08	3236.08
PZ-T281	759006.71	9851444.92	3235.20	3232.95	3232.95

TRAMO CHILCO					
PZ-T282	758725.18	9851290.82	3274.74	-	3273.10
PZ-T283	758727.43	9851281.02	3272.28	3274.08	3274.08
PZ-T284	758787.62	9851330.29	3272.25	3270.15	3270.15
PZ-T285	758819.80	9851359.25	3270.93	3267.83	3267.83
PZ-T286	758910.46	9851392.68	3264.60	3262.60	3262.60
PZ-T287	758957.03	9851422.62	3260.20	3257.70	3257.70
PZ-T288	759006.71	9851444.92	3255.20	3254.48	3254.48
PZ-T289	759049.89	9851453.66	3250.39	3248.48	3248.48
PZ-T290	759070.00	9851434.55	3241.38	3239.68	3239.68
PZ-T291	759051.88	9851430.28	3238.42	3236.52	3236.52
PZ-T292	759046.73	9851415.24	3231.74	3230.44	3230.44

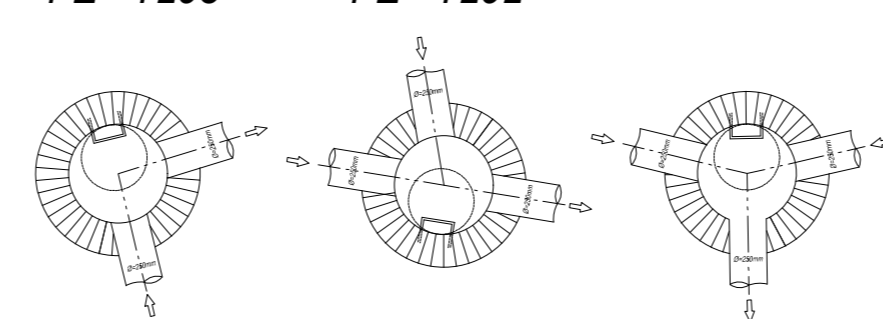
PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200



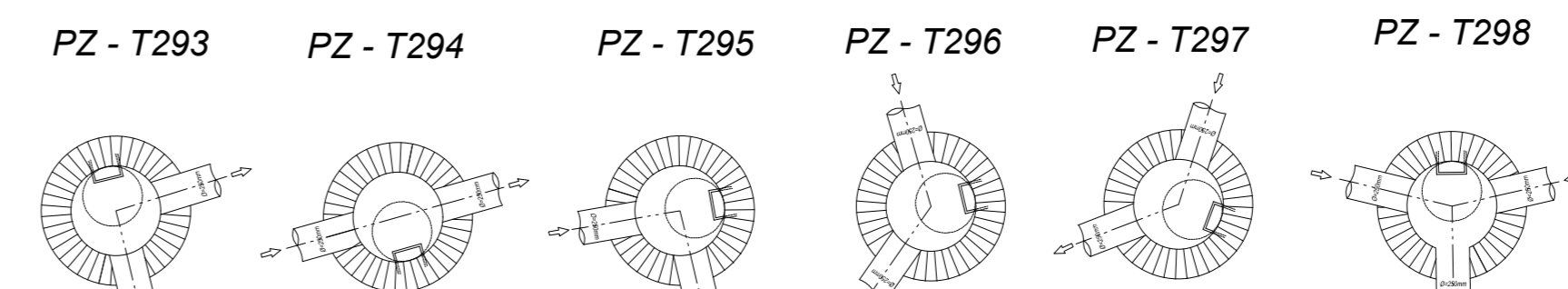
DETALLES POZOS



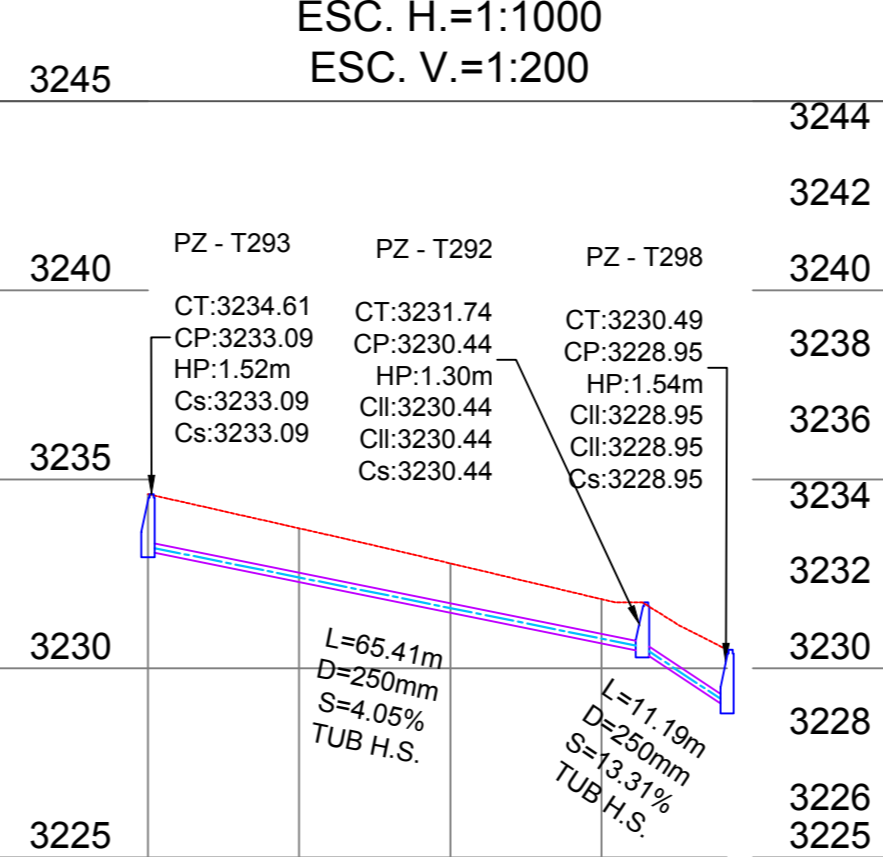
DETALLES POZOS



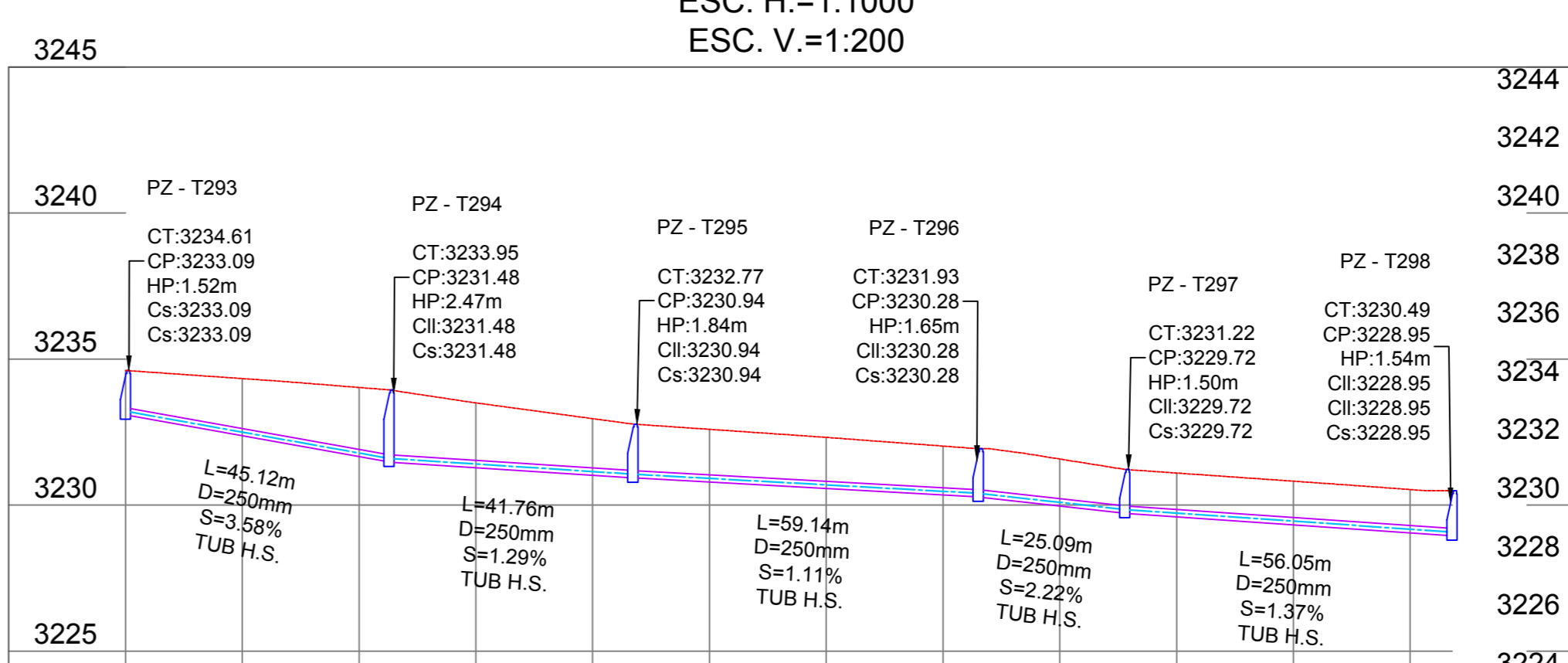
DETALLES POZOS



PERFIL LONGITUDINAL



PERFIL LONGITUDINAL



COTA TERRENO

COTA PROYECTO

CORTE

ABSCISA

COTA TERRENO

COTA PROYECTO

CORTE

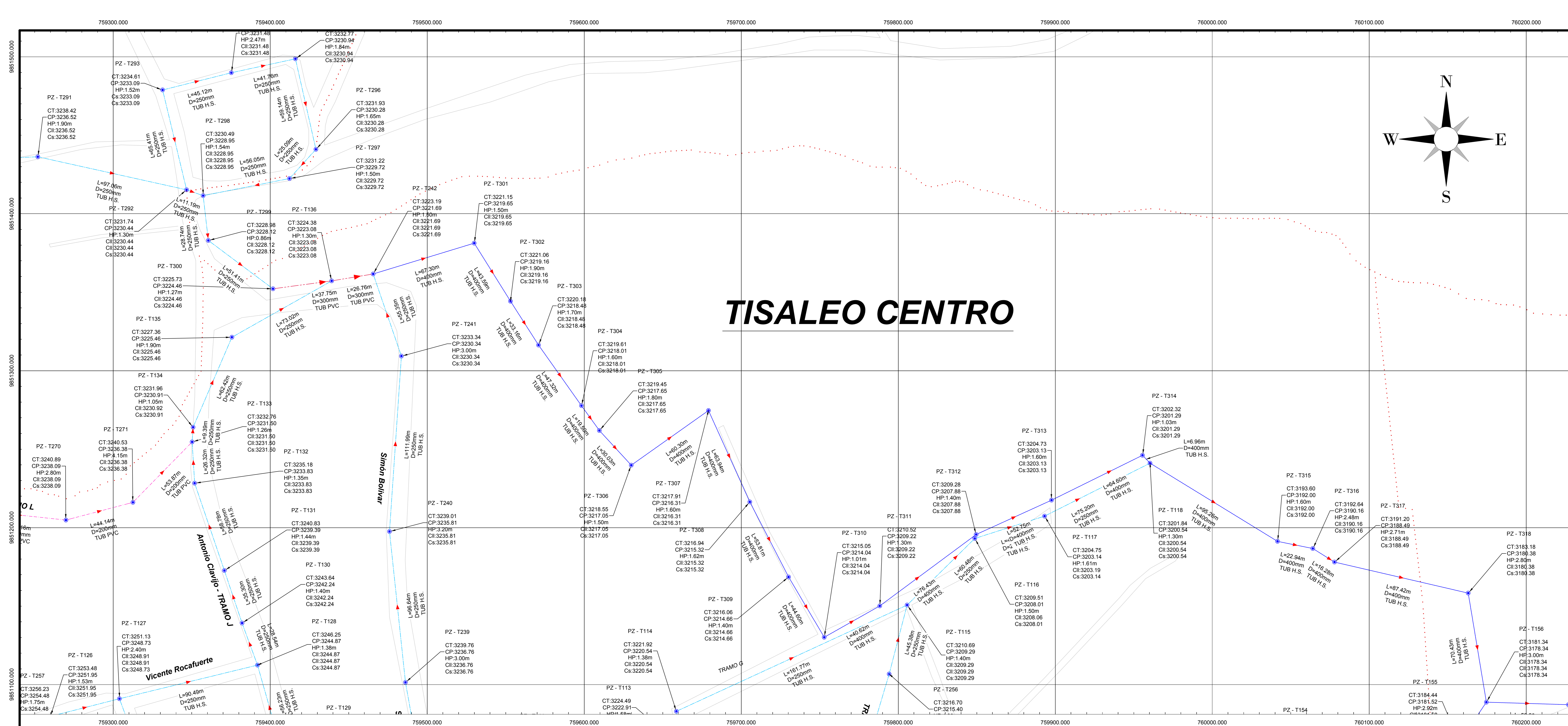
ABSCISA

G.A.D. MUNICIPAL DEL CANTON TISALEO

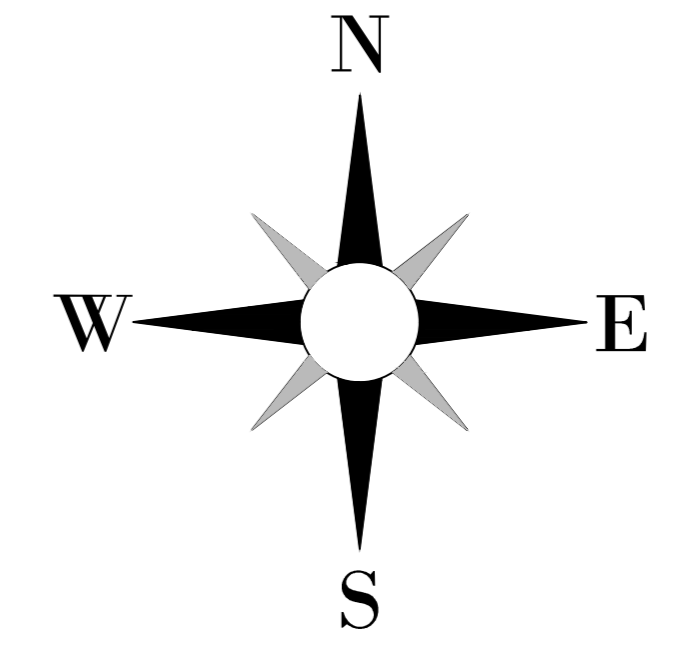
"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACION Y DIGITALIZACION PARA MEJORAR LA CALIDAD DE INFORMACION SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMBA, SANTA LUCÍA LA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTON TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO, TRAMO CHILCO, TRAMO LAS GUATARRAS.
 INSTITUCION: FICM
 FACULTAD DE INGENIERIA CIVIL Y MECANICA
 CARRERA DE INGENIERIA CIVIL
 FECHA: OCTUBRE, 2023
 ESCALA: 1:1000

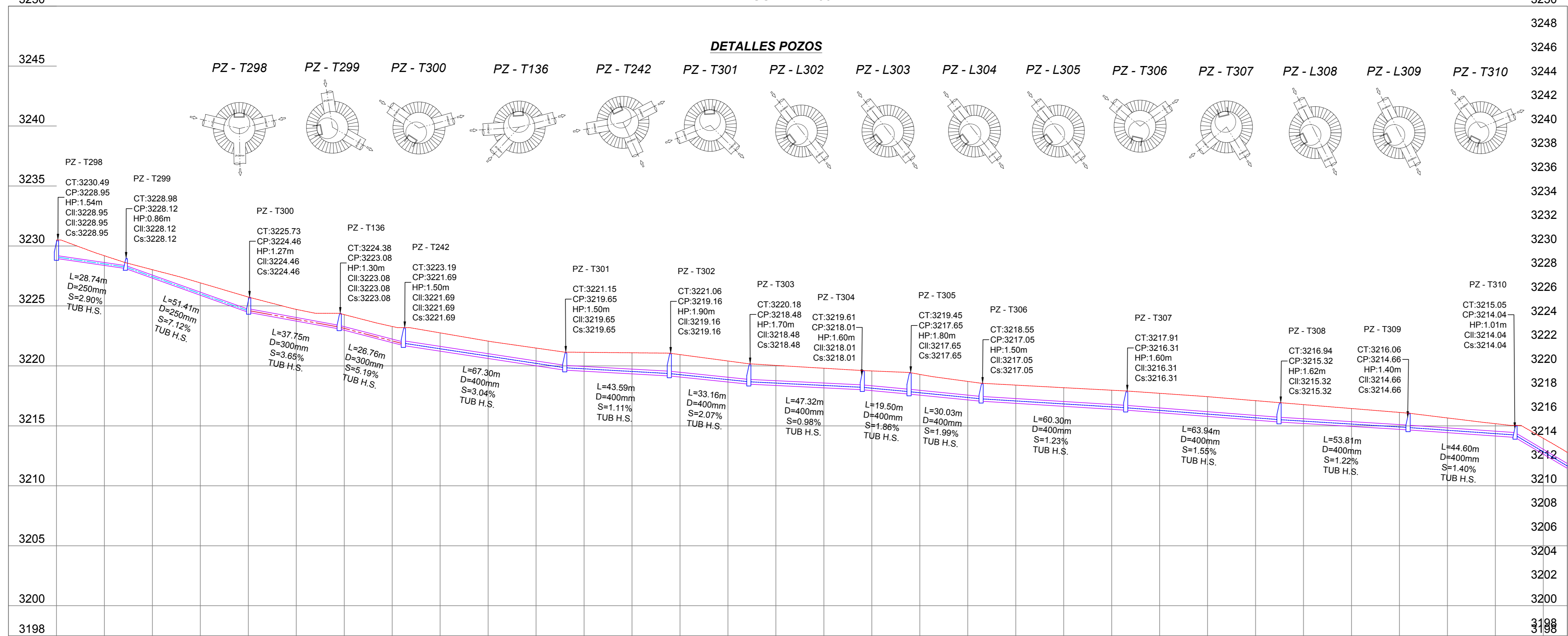
ELABORADO POR: Eglis Tarma Bonita Testa
 REVISADO POR: Ing. Gato Núñez Tutor
 APROBADO POR: Ing. Gato Núñez Tutor
 LÁMINA: LÁMINA 27
 TOTAL LÁMINAS: 30



TISALEO CENTRO

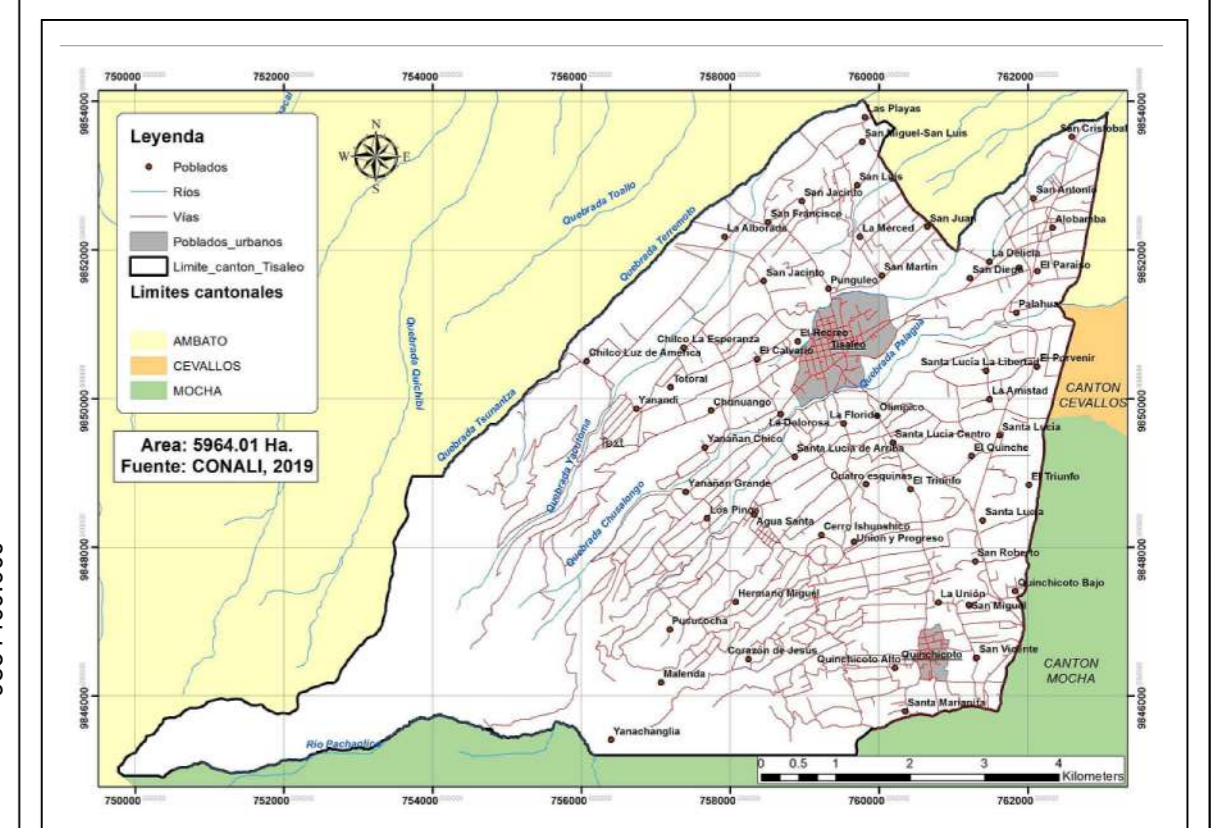


PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200



	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580	0+600	0+620	
COTA TERRENO	3200.49	3200.16	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02	3200.02
COTA PROYECTO	3228.95	3228.37	3227.31	3226.92	3226.47	3226.24	3226.27	3226.29	3226.25	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22	3226.22
CORTE	1.54	0.82	0.71	1.03	1.27	0.97	1.30	1.35	1.52	1.45	1.48	1.57	1.76	1.87	1.75	1.68	1.63	1.64	1.73	1.54	1.52	1.55	1.59	1.62	1.65	1.63	1.58	1.50	1.41	1.23	1.03	1.32	
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580	0+600	0+620	

UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E
 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENO
- CP COTA PROYECTO
- CII COTA DE LLEGADA
- CS COTA DE SALIDA
- HP ALTURA DE POZO

RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO

POZO	NORTE (m)	ESTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO PUNGUÉLO					
PZ-T272	758531.79	9851433.31	3209.58	-	3207.98
PZ-T273	758581.29	9851443.77	3206.11	3203.67	3203.67
PZ-T274	758625.83	9851451.47	3203.11	3201.07	3201.07
PZ-T275	758680.17	9851461.38	3208.42	3207.71	3207.71
PZ-T276	758778.05	9851471.68	3201.65	3278.95	3278.95
PZ-T277	758816.35	9851474.30	3276.99	3274.64	3273.54
PZ-T278	758854.52	9851478.01	3272.35	3269.70	3269.70
PZ-T279	758938.17	9851486.24	3264.66	3263.51	3263.51
PZ-T280	758993.73	9851490.06	3258.43	3256.08	3256.08
PZ-T281	759006.71	9851444.92	3256.20	3252.95	3252.95
TRAMO CHILCO					
PZ-T282	758725.18	9851250.82	3278.74	-	3275.10
PZ-T283	758727.43	9851281.02	3277.28	3274.08	3274.08
PZ-T284	758787.62	9851330.29	3272.25	3270.15	3270.15
PZ-T285	758819.80	9851359.25	3270.93	3267.83	3267.83
PZ-T286	758910.46	9851392.68	3264.60	3262.60	3262.60
PZ-T287	758957.03	9851422.52	3260.20	3257.70	3257.70
PZ-T288	759006.71	9851444.92	3255.20	3252.95	3252.95
PZ-T289	759094.89	9851450.96	3250.39	3248.49	3248.49
PZ-T290	759142.07	9851453.60	3245.74	3243.94	3243.94
PZ-T291	759201.00	9851454.55	3241.38	3239.68	3239.68
PZ-T292	759251.98	9851436.28	3238.42	3236.52	3236.52
PZ-T293	759346.73	9851415.24	3231.74	3230.44	3230.44
TRAMO PLANTA					
PZ-T298	759357.28	9851411.51	3230.49	-	3228.95
PZ-T299	759360.59	9851382.96	3228.61	3228.12	3228.12
PZ-T300	759401.16	9851352.17	3225.73	3224.46	3224.46
PZ-T301	759439.17	9851357.22	3224.38	3223.08	3223.08
PZ-T302	759485.56	9851361.62	3223.19	3221.69	3221.69
PZ-T303	759529.83	9851361.23	3221.15	3219.65	3219.65
PZ-T304	759570.00	9851348.26	3221.06	3218.16	3218.16
PZ-T305	759570.00	9851316.33	3220.18	3218.48	3218.48
PZ-T306	759598.23	9851277.71	3219.81	3218.01	3218.01
PZ-T307	759629.94	9851261.90	3219.45	3217.65	3217.65
PZ-T308	759679.14	9851244.64	3217.91	3216.31	3216.31
PZ-T309	759705.07	9851218.37	3216.94	3215.32	3215.32
PZ-T310	759730.17	9851168.57	3216.06	3214.66	3214.66
PZ-T311	759752.86	9851130.17	3215.04	3214.04	3214.04
PZ-T312	759788.23	9851101.44	3213.52	3209.22	3209.22
PZ-T313	759849.63	9851195.65	3209.29	3207.89	3207.89
PZ-T314	759897.64	9851217.51	3204.73	3203.13	3203.13
PZ-T315	759955.56	9851248.11	3202.32	3201.29	3201.29
PZ-T316	759960.38	9851241.08	3201.84	3200.54	3200.54
PZ-T317	760041.57	9851191.27	3193.60	3192.00	3192.00
PZ-T318	760054.06	9851186.71	3192.64	3190.16	3190.16
PZ-T319	760077.85	9851180.07	3191.20	3188.49	3188.49
PZ-T320	760163.01	9851158.29	3183.18	3180.38	3180.38
PZ-T321	760174.57	9851088.82	3181.34	3178.34	3178.34
PZ-T322	760226.85	9851081.21	3178.98	3176.98	3176.98
PZ-T323	760242.23	9851078.40	3177.28	3175.28	3175.28
PZ-T324	760272.68	9851042.26	3175.82	3174.02	3174.02

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDABANA, SANTA LUCÍA-LA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO, TRAMO CHILCO PLANTA.

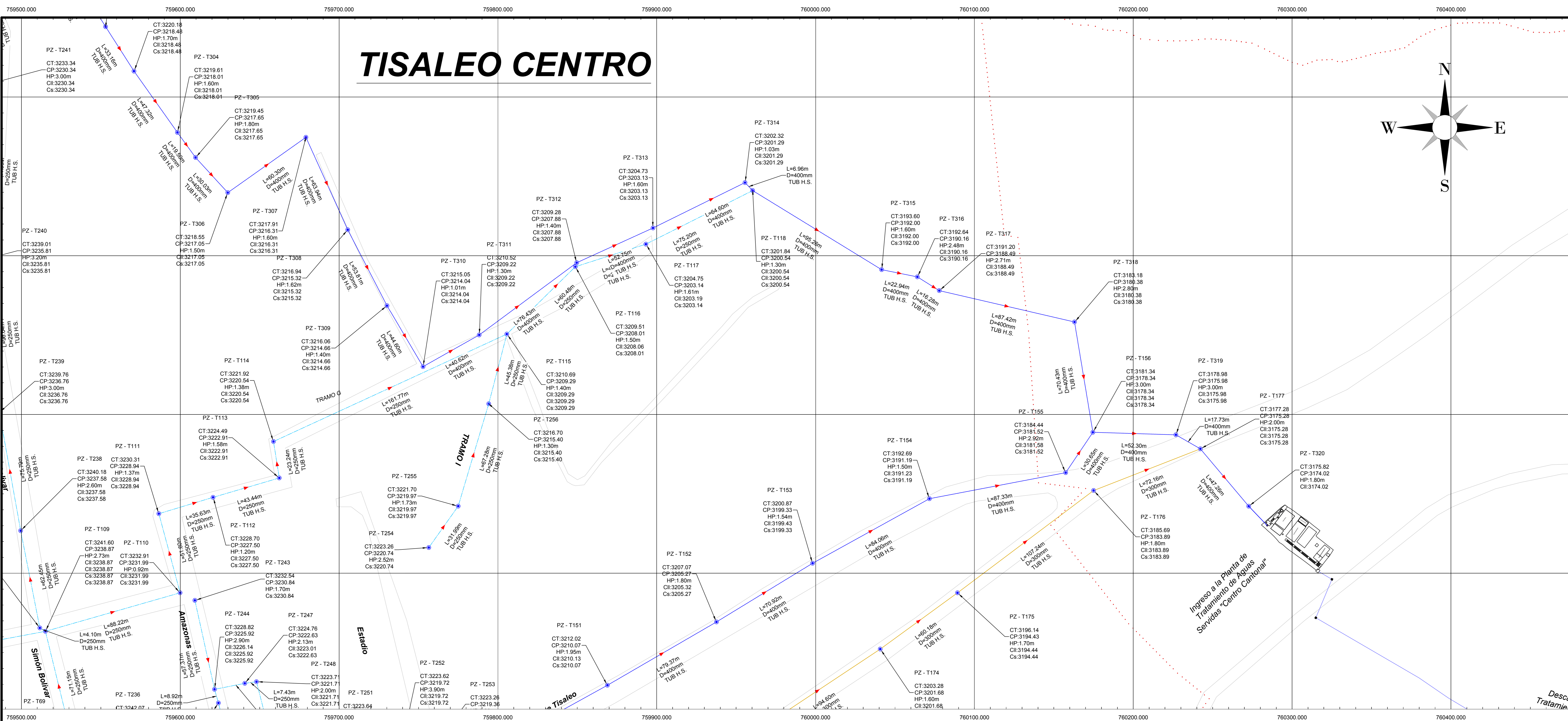
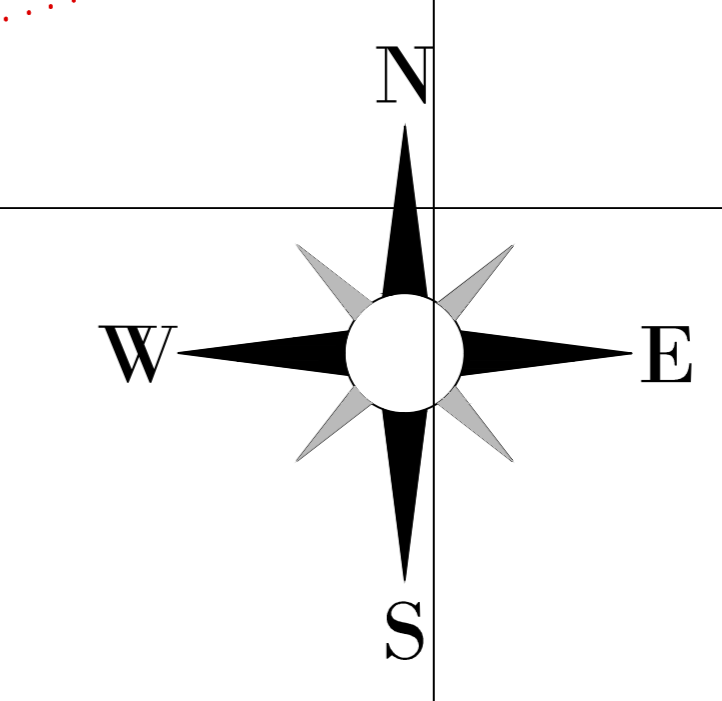
PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: TISALEO CENTRO

FECHA: OCTUBRE, 2022 ESCALA: 1:1000

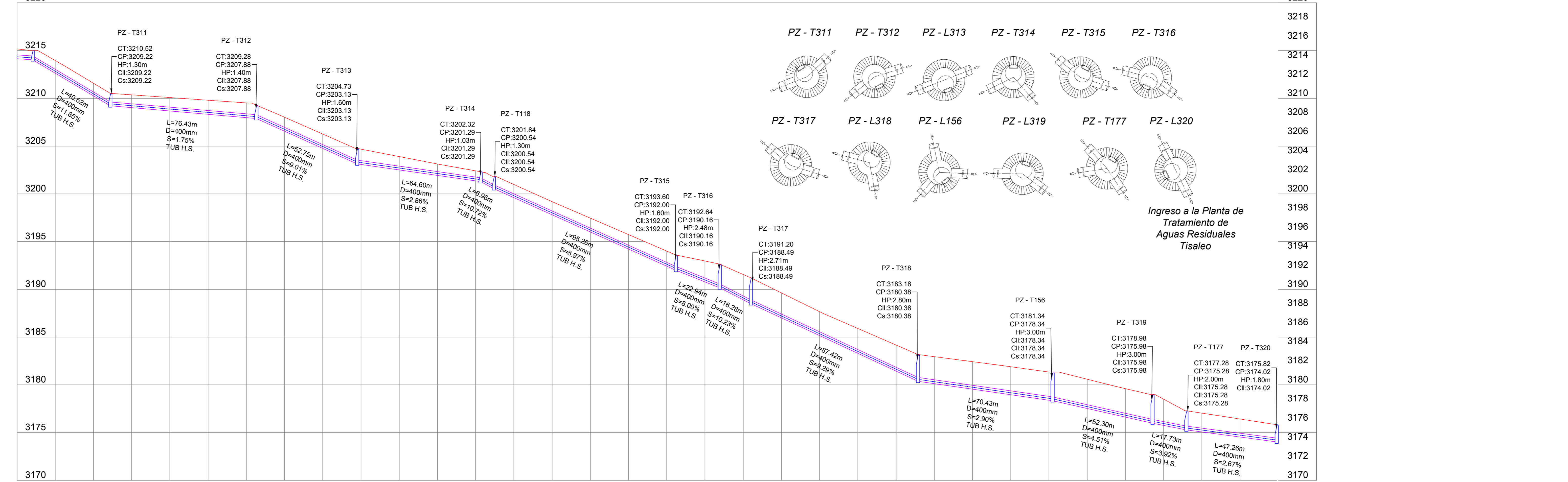
ELABORADO POR: REVISADO POR: APROBADO POR: LÁMINA: LÁMINA 28 TOTAL LÁMINAS: 30

Egita, Yanna Bonita Testa Ing. Galo Núñez Tutor Ing. Galo Núñez Tutor

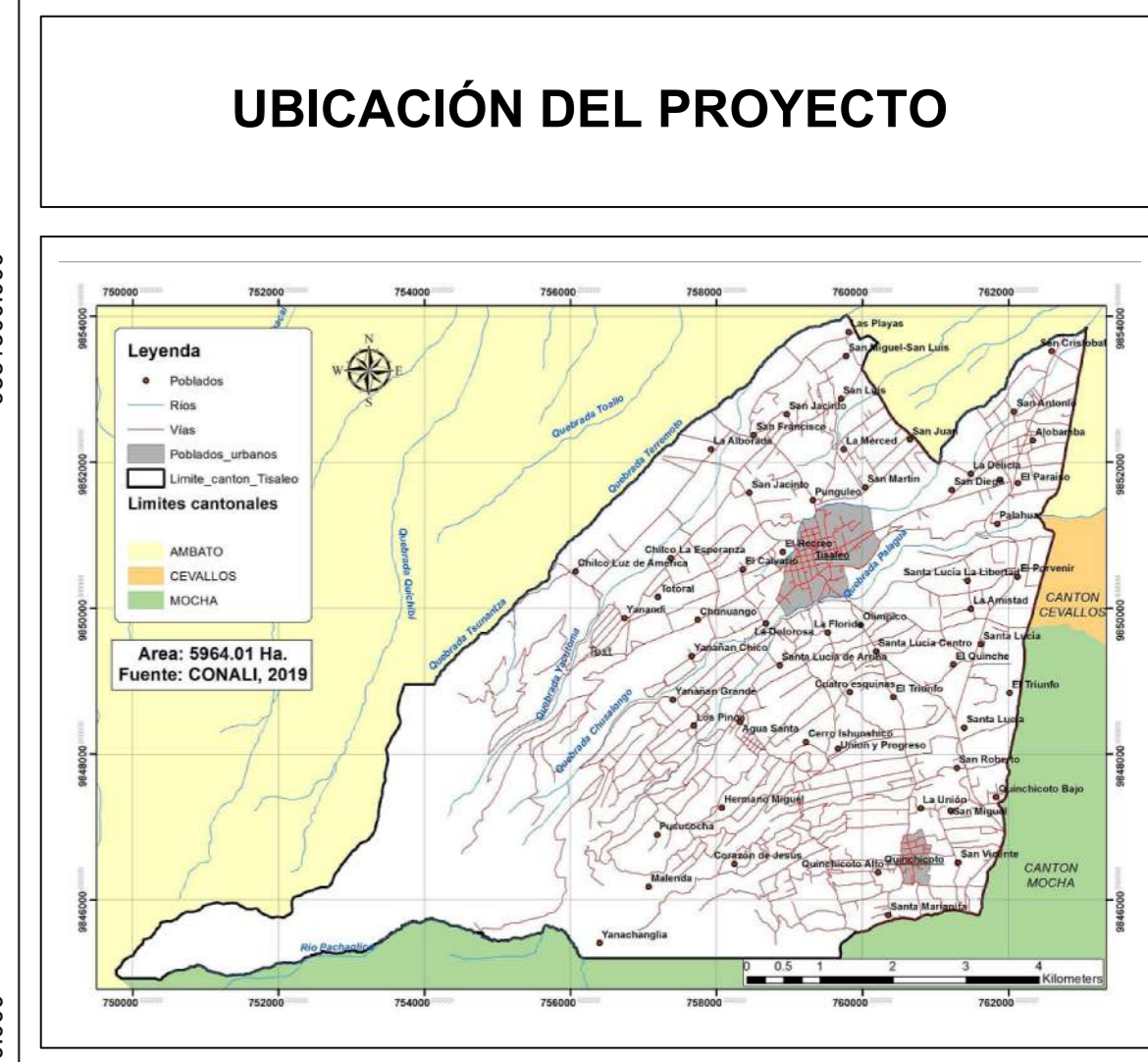
TISALEO CENTRO



PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



	0+620	0+640	0+660	0+680	0+700	0+720	0+740	0+760	0+780	0+800	0+820	0+840	0+860	0+880	0+900	0+920	0+940	0+960	0+980	1+000	1+020	1+040	1+060	1+080	1+100	1+120	1+140	1+160	1+180	1+200	1+220	1+240	1+260						
COTA TERRENO	3213.96	3213.96	3211.58	3210.37	3209.03	3208.89	3210.08	3208.89	3209.90	3209.52	3208.02	3208.26	3203.08	3203.51	3203.13	3202.41	3202.98	3199.60	3199.18	3197.81	3197.46	3194.22	3194.53	3192.43	3192.97	3191.50	3189.59	3188.51	3187.06	3185.50	3184.17	3182.95	3179.55	3178.97	3178.34	3177.52	3176.42	3174.53	
COTA PROYECTO	3212.64	3210.27	3209.03	3208.89	3208.33	3207.96	3208.56	3204.75	3203.08	3202.50	3201.56	3201.36	3199.60	3197.81	3196.02	3194.22	3192.43	3190.76	3188.51	3187.01	3185.15	3184.22	3182.43	3180.76	3178.97	3177.52	3176.62	3175.75	3174.04	3172.82	3171.04	3169.57	3167.82	3166.04	3164.53				
CORTE	1.32	1.32	1.34	1.41	1.48	1.55	1.47	1.51	1.61	1.40	1.20	1.05	1.38	1.37	1.44	1.51	1.58	2.19	2.65	2.62	2.50	2.60	2.73	2.82	2.88	2.93	2.95	3.07	2.98	2.75	1.97	1.89							
ABSCISA																																							



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
 COORDENADAS UTM:
 759353.24 m E
 9850780.17 m S
 ALTURA REFERENCIAL:
 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALES / VÍAS
- LÍMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CII	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO				
POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. SALIDA (m)
TRAMO PUNGÜLEO				
PZ-T272	758531.79	9851433.37	3299.58	3297.98
PZ-T273	758581.29	9851443.77	3296.11	3293.67
PZ-T274	758625.83	9851451.47	3293.11	3291.07
PZ-T275	758680.17	9851461.38	3289.42	3287.71
PZ-T276	758778.05	9851471.68	3281.65	3278.95
PZ-T277	758816.35	9851474.30	3276.99	3274.64
PZ-T278	758854.52	9851478.01	3272.35	3269.70
PZ-T279	758938.17	9851486.24	3264.66	3263.51
PZ-T280	758993.73	9851490.06	3258.43	3256.08
PZ-T281	759006.71	9851494.92	3255.20	3252.95
TRAMO CHILCO				
PZ-T282	758725.18	9851250.82	3278.74	3275.10
PZ-T283	758727.43	9851261.02	3277.28	3274.08
PZ-T284	758797.62	9851330.29	3272.25	3270.15
PZ-T285	758819.80	9851359.25	3270.93	3267.83
PZ-T286	758910.46	9851392.68	3264.60	3262.60
PZ-T287	758957.03	9851422.92	3260.20	3257.70
PZ-T288	759094.89	9851450.96	3250.39	3248.49
PZ-T289	759142.07	9851453.60	3245.74	3243.94
PZ-T290	759207.00	9851454.55	3241.38	3239.68
PZ-T291	759251.98	9851436.28	3238.42	3236.52
PZ-T292	759346.73	9851415.24	3231.74	3230.44
TRAMO PLANTA				
PZ-T298	759357.28	9851411.51	3230.49	3228.95
PZ-T299	759360.59	9851382.96	3228.61	3228.12
PZ-T300	759401.76	9851352.17	3225.73	3224.46
PZ-T316	759439.17	9851357.22	3224.38	3223.08
PZ-T242	759485.56	9851361.62	3223.19	3221.69
PZ-T301	759529.93	9851361.25	3221.15	3219.65
PZ-T302	759553.03	9851344.28	3221.06	3218.16
PZ-T303	759570.88	9851316.33	3220.18	3218.48
PZ-T304	759598.23	9851277.71	3219.81	3218.01
PZ-T305	759609.64	9851261.90	3219.45	3217.65
PZ-T306	759629.94	9851239.78	3218.55	3217.05
PZ-T307	759679.14	9851214.64	3217.91	3216.31
PZ-T308	759705.47	9851218.37	3216.94	3215.32
PZ-T309	759730.17	9851168.57	3216.06	3214.66
PZ-T310	759752.86	9851130.17	3215.04	3214.04
PZ-T311	759788.23	9851150.14	3212.52	3209.22
PZ-T312	759840.63	9851195.65	3209.29	3207.89
PZ-T313	759897.64	9851217.51	3204.73	3203.13
PZ-T314	759955.56	9851246.11	3202.32	3201.29
PZ-T118	759960.38	9851241.08	3201.84	3200.54
PZ-T315	760041.57	9851191.27	3193.60	3192.00
PZ-T316	760054.06	9851186.71	3192.64	3190.16
PZ-T317	760077.85	9851110.07	3191.20	3188.49
PZ-T318	760163.01	9851158.29	3183.18	3180.38
PZ-T156	760174.57	9851088.82	3181.34	3178.34
PZ-T319	760226.85	9851081.21	3178.98	3175.98
PZ-T177	760242.23	9851078.40	3177.28	3175.28
PZ-T320	760272.68	9851042.26	3175.82	3174.02

G.A.D. MUNICIPAL DEL CANTON TISALEO								
"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDABANA, SANTA LUCÍA LA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"								
CONTIENE:	RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO, TRAMO PLANTA.	PROVINCIA:	TUNGURAHUA	CANTÓN:	TISALEO	SECTOR:	TISALEO CENTRO	
UNIVERSIDAD TÉCNICA DE AMBATO	FECHA:	OCTUBRE, 2023	ESCALA:	1:1000	LÁMINA:	LÁMINA 29	TOTAL LÁMINAS:	30
FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA	ELABORADO POR:	Ing. Tanya Bonilla Testa	REVISADO POR:	Ing. Gato Núñez Tutor	APROBADO POR:	Ing. Gato Núñez Tutor		

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760500.000

760600.000

760700.000

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Cs:3175.28

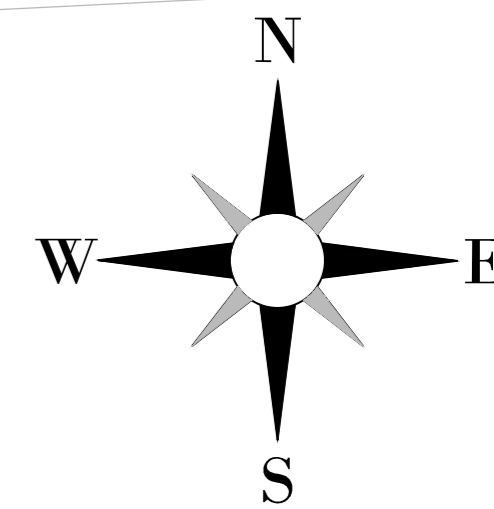
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CP:3174.02
HP:1.80m
CII:3174.02

L=47.26m
D=400mm
TUB H.S.

Ingreso a la Planta de
Tratamiento de Aguas
Servidas "Centro Cantonal"

Descarga de la Planta de
Tratamiento "Centro Cantonal"
hacia las plataformas
biodigestoras (Lechuguines)

Plataformas biodigestoras
(Lechuguines)



760300.000

760400.000

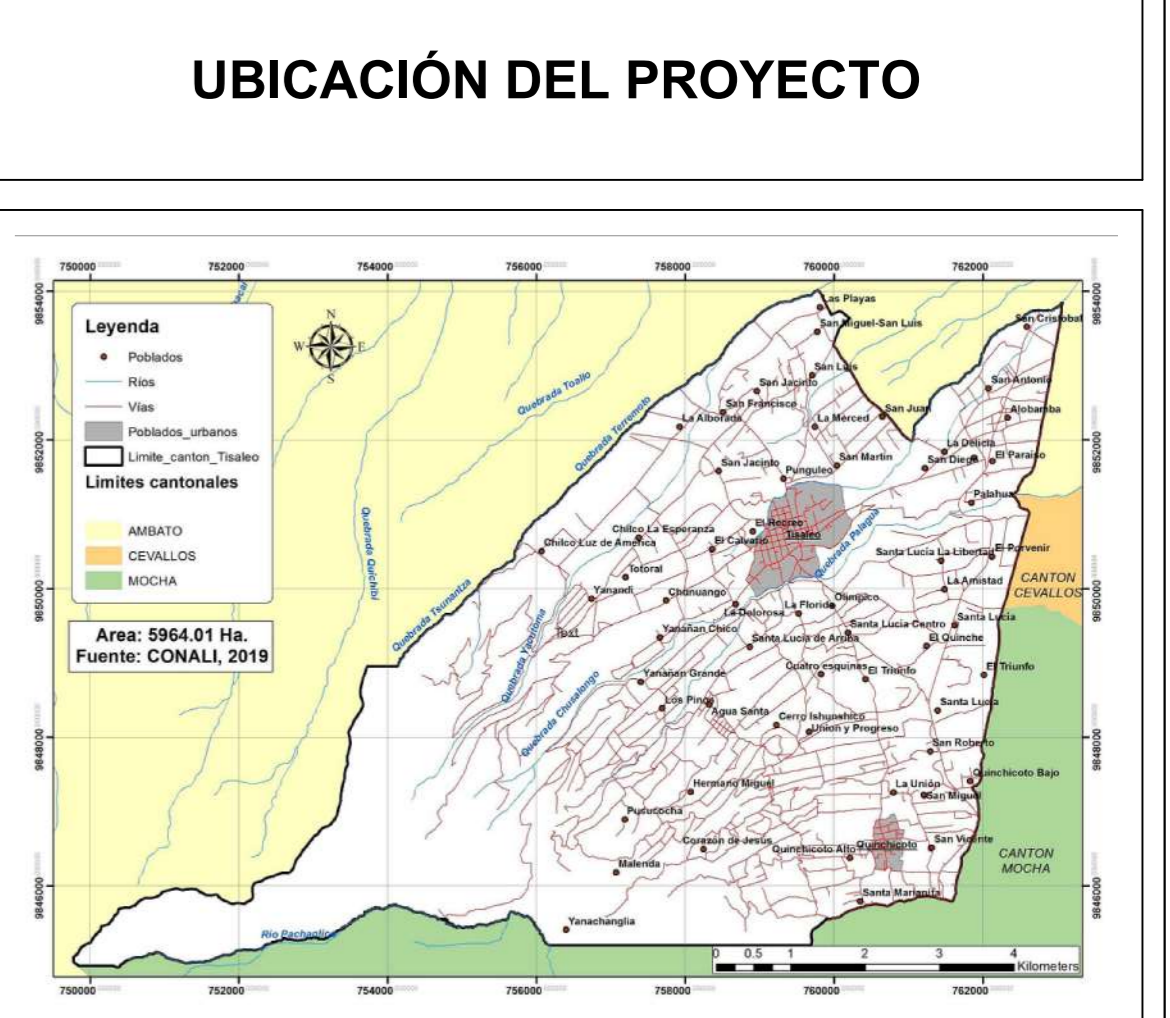
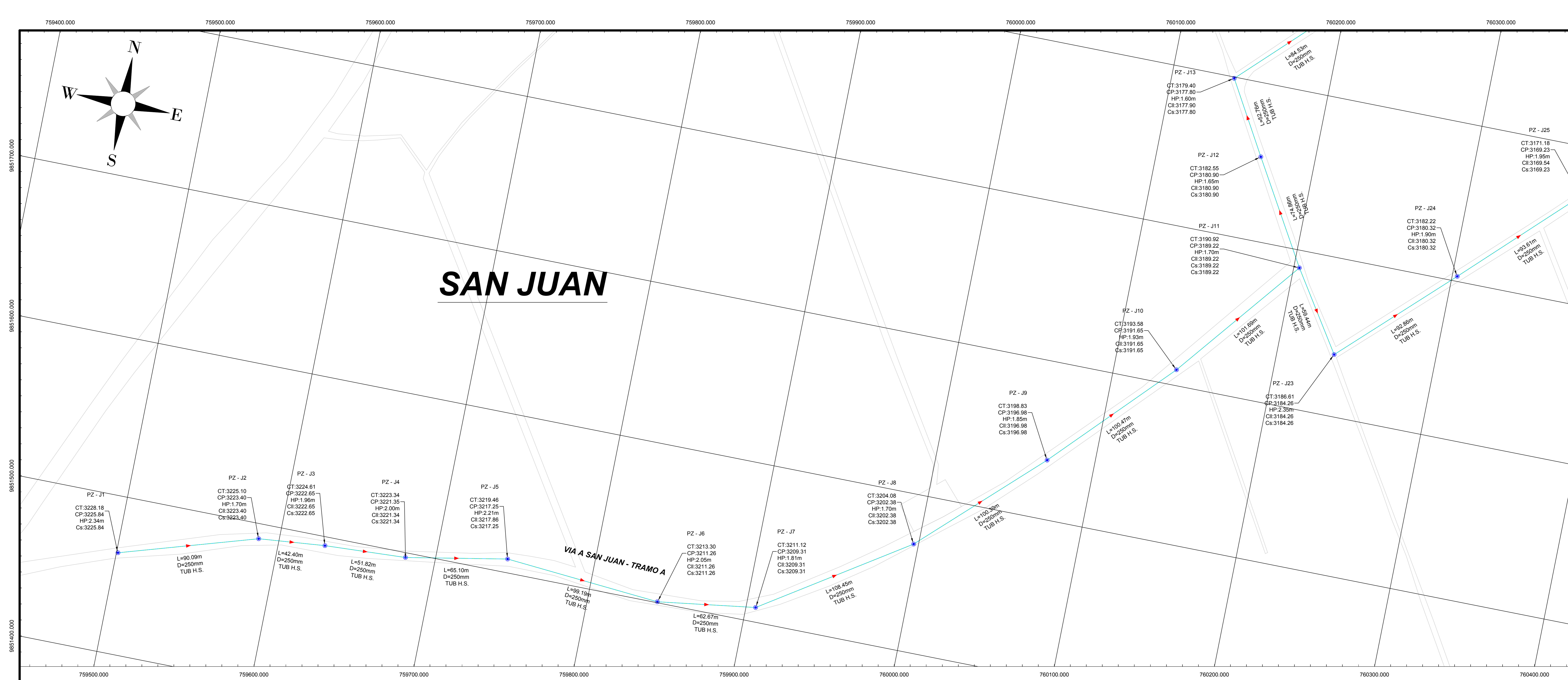
760500.000

760600.000

760700.000

 <p>G.A.D. MUNICIPAL DEL CANTON TISALEO</p> <p>"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERÍOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA-LA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"</p>			
 <p>UNIVERSIDAD TÉCNICA DE AMBATO FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA CARRERA DE INGENIERÍA CIVIL</p>		<p>CONTIENE: RED DE ALCANTARILLADO SANITARIO EL CALVARIO - TISALEO. DESCARGA DE LA PLANTA DE TRATAMIENTO DE AGUAS SERVIDAS "CENTRO CANTONAL" - LECHUGUINES</p>	
PROVINCIA: TUNGURAHUA	CANTÓN: TISALEO	SECTOR: TISALEO	
FECHA: OCTUBRE, 2022		ESCALA: 1:1000	
ELABORADO POR: Egda. Tannia Bonilla Tesisista	REVISADO POR: Ing. Galo Núñez Tutor	APROBADO POR: Ing. Galo Núñez Tutor	LÁMINA: LÁMINA 30 TOTAL LÁMINAS 30

***RED DE ALCANTARILLADO
SANITARIO SAN JUAN***



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

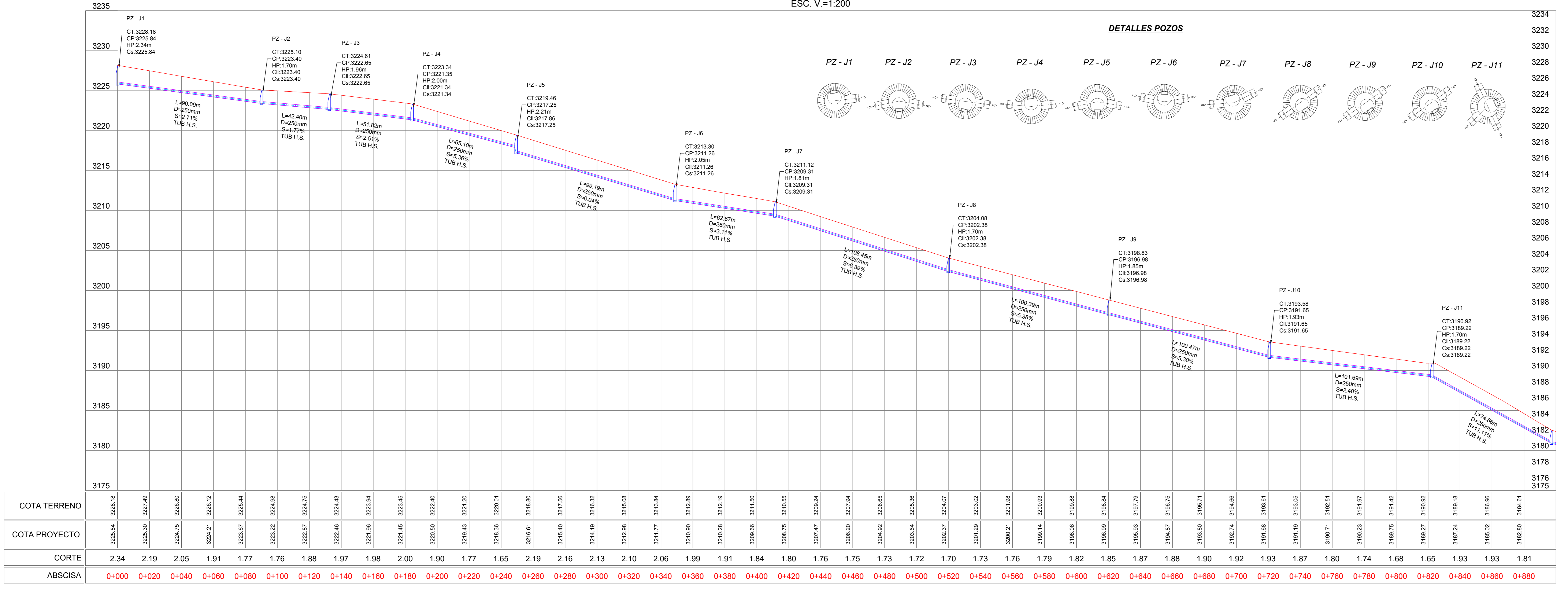
ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CII	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



RED DE ALCANTARILLADO SANITARIO SAN JUAN

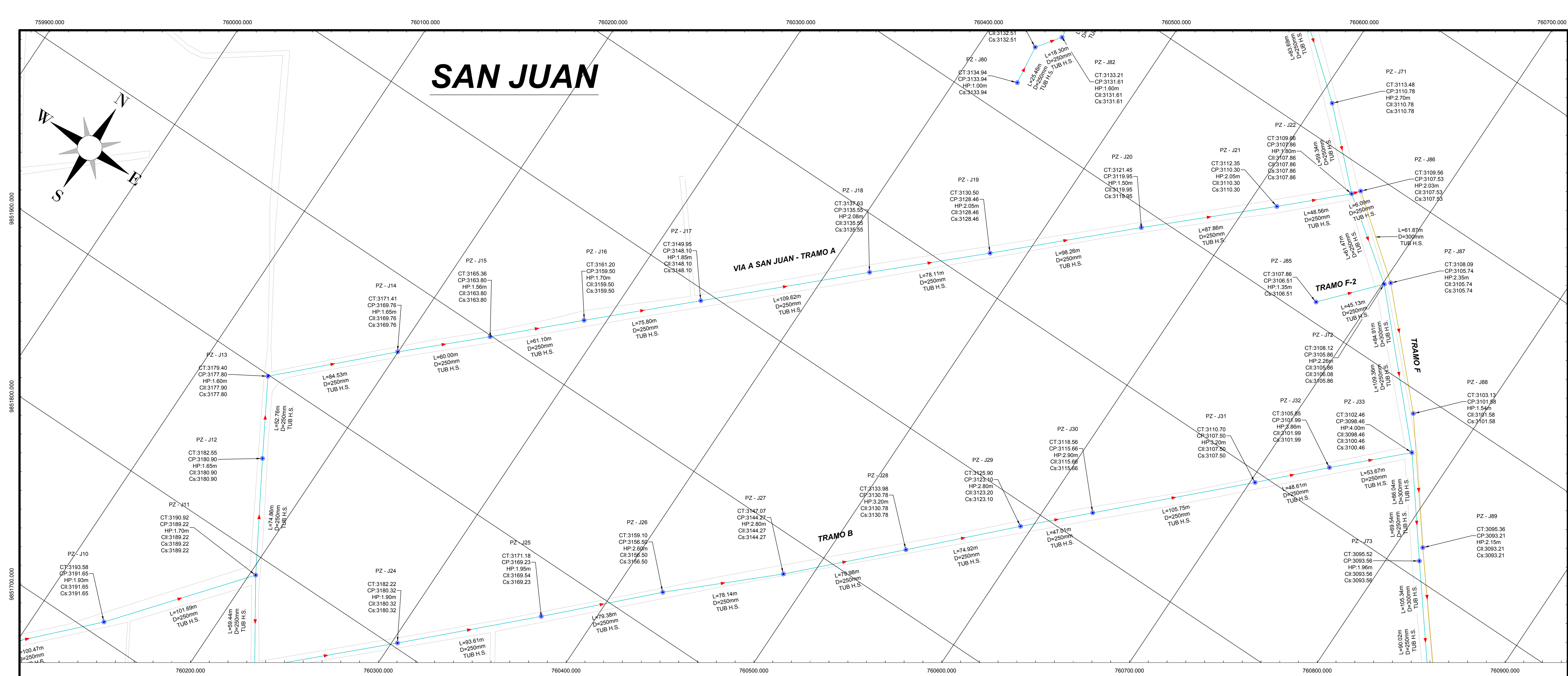
POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO A					
PZ-J1	759500.97	9851484.21	3228.18	-	3225.84
PZ-J2	759587.16	9851490.47	3225.10	3223.40	3223.40
PZ-J3	759629.38	9851494.39	3224.61	3222.65	3222.65
PZ-J4	759681.13	9851496.97	3223.35	3221.35	3221.35
PZ-J5	759745.16	9851508.73	3219.46	3217.96	3217.25
PZ-J6	759844.02	9851500.66	3213.31	3211.26	3211.26
PZ-J7	759929.38	9851508.29	3211.12	3209.31	3209.31
PZ-J8	759996.93	9851568.53	3204.68	3202.38	3202.38
PZ-J9	760069.88	9851637.49	3198.83	3196.98	3196.98
PZ-J10	760139.45	9851708.98	3193.58	3191.65	3191.65
PZ-J11	760203.60	9851768.86	3189.91	3189.21	3189.21
PZ-J12	760265.70	9851853.45	3182.55	3180.90	3180.90
PZ-J13	760339.33	9851899.14	3179.40	3177.80	3177.80
PZ-J14	760399.76	9851958.25	3173.41	3169.26	3169.26
PZ-J15	760463.61	9851999.20	3165.36	3163.80	3163.80
PZ-J16	760527.79	9852041.41	3161.20	3159.50	3159.50
PZ-J17	760592.88	9852093.77	3148.05	3148.10	3148.10
PZ-J18	760657.75	9852168.55	3137.63	3135.55	3135.55
PZ-J19	760722.42	9852221.63	3130.51	3128.46	3128.46
PZ-J20	760787.15	9852289.85	3121.45	3119.95	3119.95
PZ-J21	760851.88	9852348.55	3112.35	3110.30	3110.30
PZ-J22	760916.52	9852381.87	3109.66	3107.86	3107.86
TRAMO B					
PZ-J11	760203.60	9851788.86	3190.91	-	3189.21
PZ-J23	760236.05	9851799.09	3186.61	3184.26	3184.26
PZ-J24	760303.24	9851803.19	3182.22	3180.32	3180.32
PZ-J25	760370.32	9851868.48	3171.18	3169.54	3169.23
PZ-J26	760426.45	9851924.62	3159.10	3156.50	3156.50
PZ-J27	760484.21	9851977.25	3147.07	3144.27	3144.27
PZ-J28	760540.80	9852033.77	3133.98	3130.78	3130.78
PZ-J29	760593.51	9852087.02	3123.90	3123.20	3123.10
PZ-J30	760657.12	9852138.88	3116.56	3115.66	3115.66
PZ-J31	760722.75	9852193.39	3110.70	3107.50	3107.50
PZ-J32	760737.10	9852228.20	3105.85	3101.99	3101.99
PZ-J33	760715.69	9852265.51	3102.46	3098.46	3098.46
TRAMO C					
PZ-J34	759689.59	9852074.32	3188.50	-	3187.64
PZ-J35	759675.13	9852067.29	3182.81	3181.97	3181.85
PZ-J36	759649.36	9852140.46	3177.45	3176.23	3176.25
PZ-J37	759654.20	9852214.57	3170.58	3169.05	3169.05
PZ-J38	759683.60	9852299.09	3168.42	3167.00	3167.00
PZ-J39	759709.40	9852351.50	3166.74	3165.04	3165.04
PZ-J40	759737.03	9852328.21	3165.38	3163.40	3163.40
PZ-J41	759768.04	9852364.54	3164.16	3161.99	3161.99
PZ-J42	759845.88	9852419.50	3163.05	3160.95	3160.95
PZ-J43	759920.43	9852474.41	3157.94	3156.11	3156.11
PZ-J44	760004.94	9852536.67	3149.01	3147.21	3147.21
PZ-J45	760078.33	9852594.36	3144.70	3142.87	3142.87
PZ-J46	760157.87	9852654.37	3135.98	3134.35	3134.35
PZ-J47	760236.08	9852713.26	3125.17	3124.11	3123.83
PZ-J48	760280.59	9852748.17	3118.43	3116.40	3116.28
PZ-J49	760314.76	9852771.69	3113.59	3110.63	3110.59

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOMBAMA, SANTA LUCÍA-LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE:
RED DE ALCANTARILLADO SANITARIO SAN JUAN - TRAMO A

PROVINCIA	TUNGURAHUA	CANTÓN	TISALEO	SECTOR	SAN JUAN
FECHA:	OCTUBRE, 2022			ESCALA:	1:1000
ELABORADO POR:	REVISADO POR:			APROBADO POR:	LÁMINA:
Egita, Yanna Bonita Testa	Ing. Gabo Núñez Tutor			Ing. Gabo Núñez Tutor	LÁMINA 01
					TOTAL LÁMINAS
					08



UBICACIÓN DEL PROYECTO

DATOS GEOGRÁFICOS

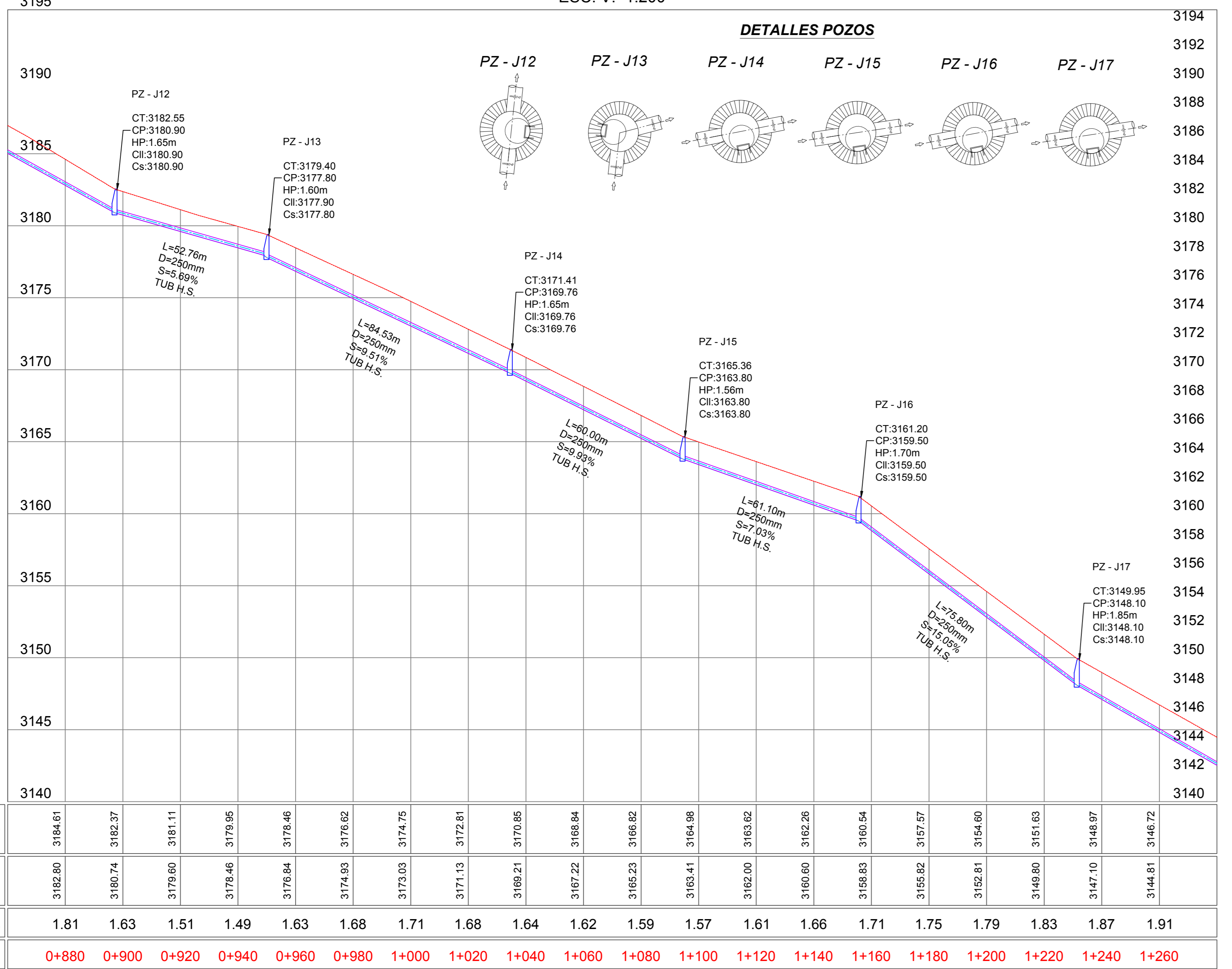
DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E, 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

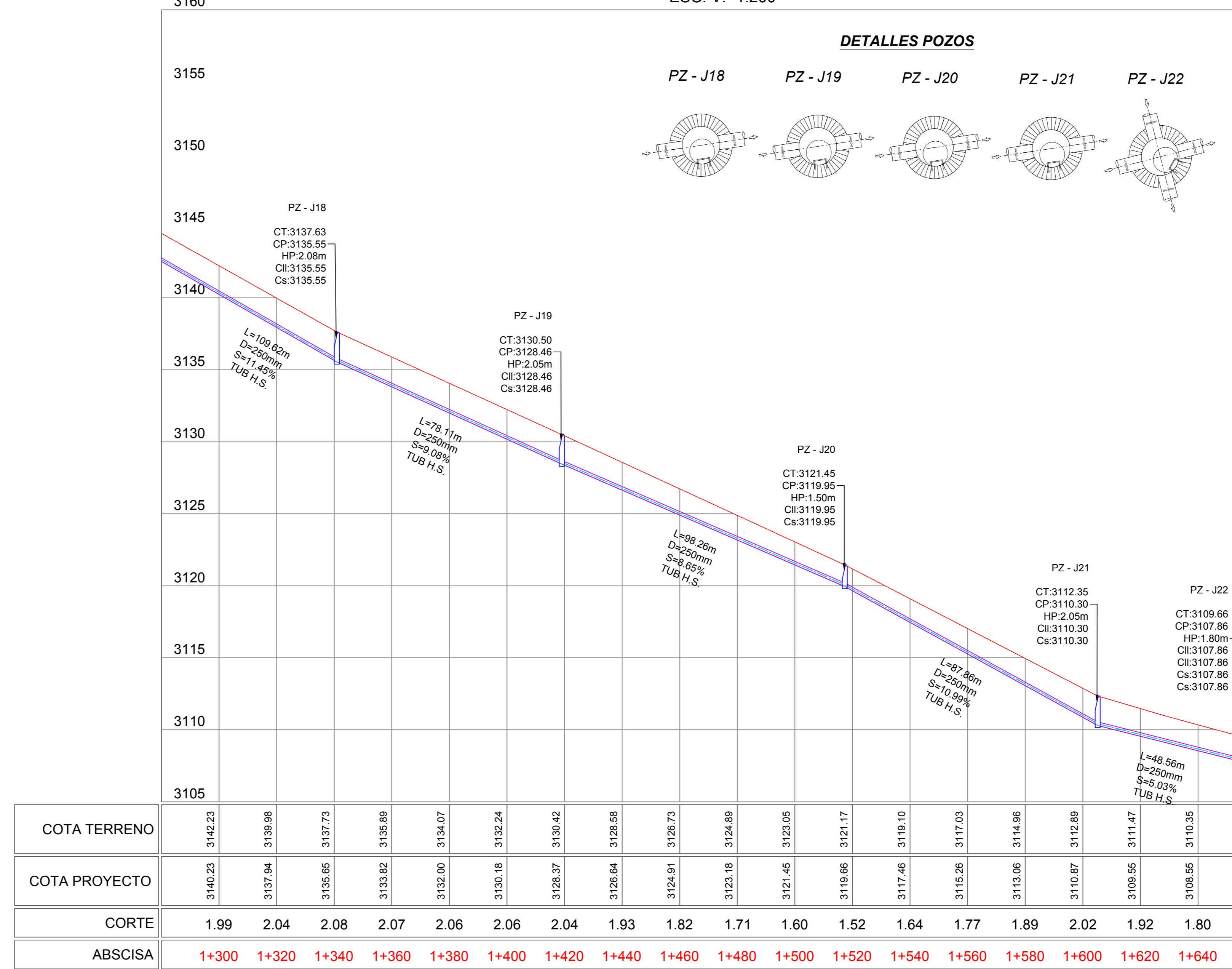
- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm

POZO DE REVISIÓN
PERFIL DEL TERRENO
CALLES / VÍAS
LÍMITES TERRITORIALES

PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200



PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200



RED DE ALCANTRILLADO SANITARIO SAN JUAN

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO A					
PZ-11	759500.97	9851484.21	3223.18	-	3225.84
PZ-12	759587.16	9851490.47	3225.10	3223.40	3223.40
PZ-13	759629.38	9851494.39	3224.61	3222.85	3222.85
PZ-14	759681.13	9851498.97	3223.35	3221.35	3221.35
PZ-15	759745.16	9851508.73	3219.46	3217.86	3217.25
PZ-16	759844.02	9851500.66	3213.31	3211.26	3211.26
PZ-17	759905.59	9851509.29	3211.12	3209.31	3209.31
PZ-18	759966.93	9851508.53	3204.68	3202.38	3202.38
PZ-19	760059.88	9851517.49	3198.83	3196.88	3196.88
PZ-20	760139.45	9851509.98	3193.58	3191.65	3191.65
PZ-21	760203.60	9851508.86	3190.91	3189.21	3189.21
PZ-22	760265.70	9851553.45	3182.55	3180.90	3180.90
PZ-23	760339.33	9851899.14	3179.40	3177.80	3177.80
PZ-24	760399.76	9851959.25	3171.41	3169.21	3169.21
PZ-25	760443.61	9851999.20	3165.36	3163.80	3163.80
PZ-26	760487.79	9852041.41	3161.20	3159.50	3159.50
PZ-27	760542.88	9852093.37	3149.85	3148.10	3148.10
PZ-28	760622.75	9852168.55	3137.63	3135.55	3135.55
PZ-29	760680.07	9852221.63	3130.51	3128.46	3128.46
PZ-30	760751.55	9852289.01	3121.45	3119.85	3119.85
PZ-31	760816.20	9852348.55	3112.35	3110.30	3110.30
PZ-32	760851.52	9852381.87	3109.66	3107.86	3107.86
TRAMO B					
PZ-33	760203.60	9851788.88	3150.91	-	3189.21
PZ-34	760236.05	9851739.09	3186.61	3184.26	3184.26
PZ-35	760303.24	9851803.19	3182.22	3180.32	3180.32
PZ-36	760370.32	9851868.48	3171.18	3169.54	3169.54
PZ-37	760426.45	9851924.62	3159.10	3156.50	3156.50
PZ-38	760484.21	9851977.25	3147.07	3144.27	3144.27
PZ-39	760540.80	9852033.77	3133.98	3130.78	3130.78
PZ-40	760593.51	9852087.02	3125.90	3123.20	3123.20
PZ-41	760627.12	9852119.88	3118.56	3115.66	3115.66
PZ-42	760702.75	9852183.39	3110.70	3107.50	3107.50
PZ-43	760737.10	9852228.20	3105.85	3101.99	3101.99
PZ-44	760775.69	9852265.51	3102.46	3098.46	3098.46
TRAMO F					
PZ-45	759689.59	9852074.32	3188.50	-	3187.64
PZ-46	759675.13	9852067.29	3182.81	3181.97	3181.95
PZ-47	759649.36	9852104.48	3177.45	3176.25	3176.25
PZ-48	759654.20	9852114.57	3170.58	3169.05	3169.05
PZ-49	759683.60	9852259.99	3168.42	3167.00	3167.00
PZ-50	759709.10	9852293.50	3166.74	3165.04	3165.04
PZ-51	759737.03	9852328.21	3165.38	3163.40	3163.40
PZ-52	759768.04	9852354.54	3164.16	3161.99	3161.99
PZ-53	759845.88	9852419.50	3163.05	3160.95	3160.95
PZ-54	759920.43	9852474.41	3157.94	3156.11	3156.11
PZ-55	760004.94	9852536.67	3149.01	3147.21	3147.21
PZ-56	760078.33	9852594.36	3144.70	3142.87	3142.87
PZ-57	760157.87	9852654.37	3135.98	3134.35	3134.35
PZ-58	760236.08	9852713.26	3125.17	3124.11	3123.83
PZ-59	760289.59	9852748.17	3118.43	3116.40	3116.28
PZ-60	760347.76	9852771.69	3113.59	3110.63	3110.59

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CASTRO DE LOS SISTEMAS DE ALCANTRILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

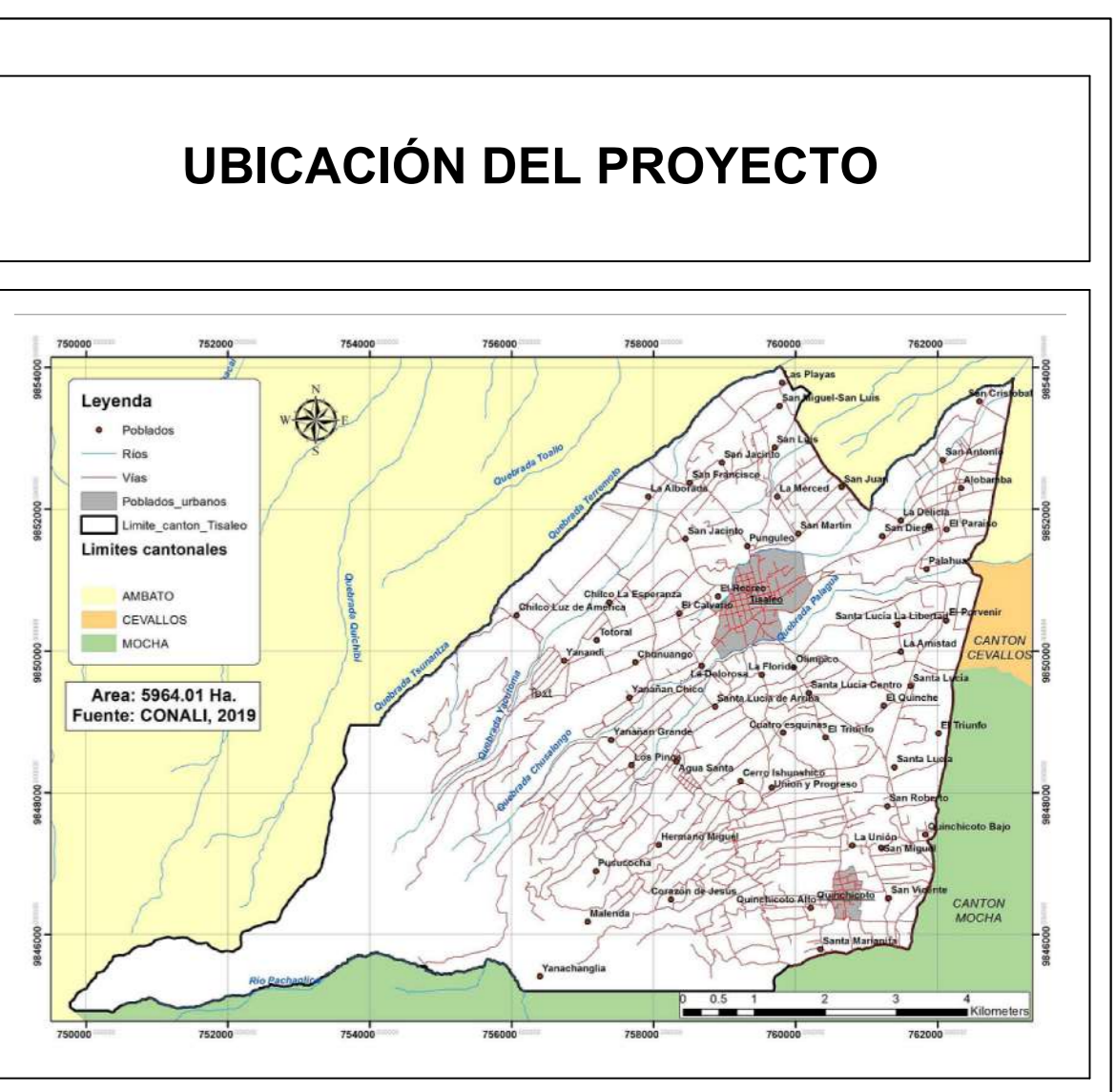
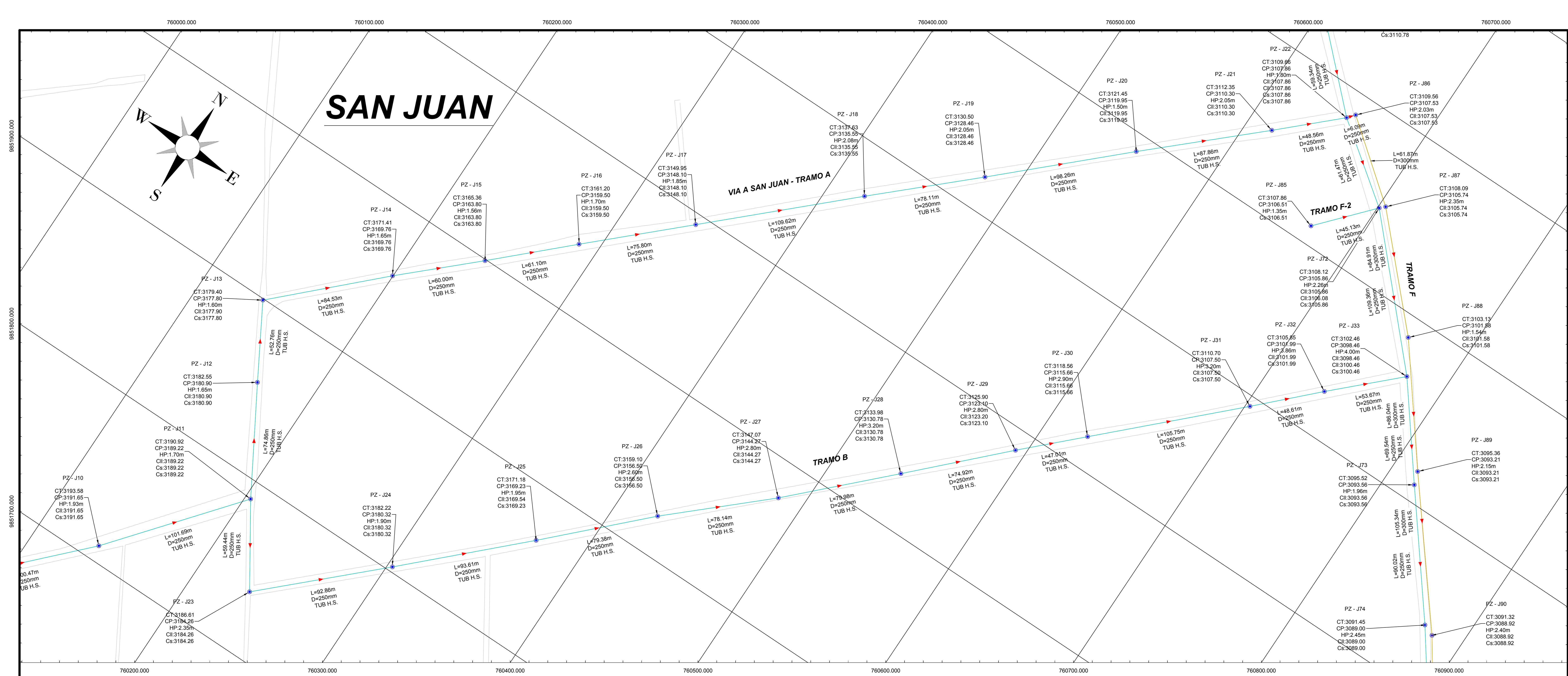
CONTIENE: RED DE ALCANTRILLADO SANITARIO SAN JUAN - TRAMO A

PROVINCIA: TUNGURAHUA | CANTÓN: TISALEO | SECTOR: SAN JUAN

FECHA: OCTUBRE 2023 | ESCALA: 1:1000

ELABORADO POR: Ing. Tania Bonita Testa | REVISADO POR: Ing. Gato Núñez Tutor | APROBADO POR: Ing. Gato Núñez Tutor

LÁMINA: LÁMINA 02 | TOTAL LÁMINAS: 08



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

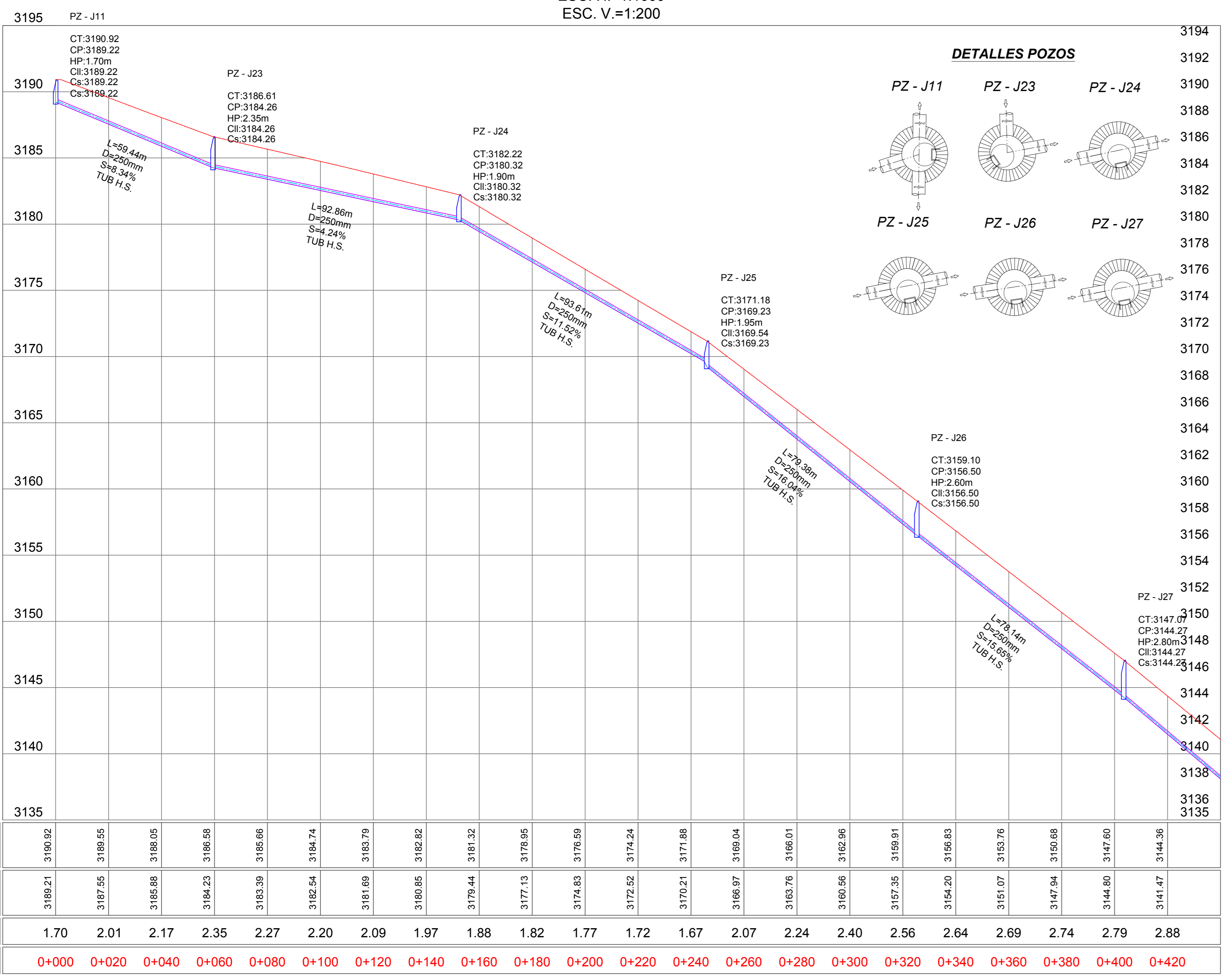
ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

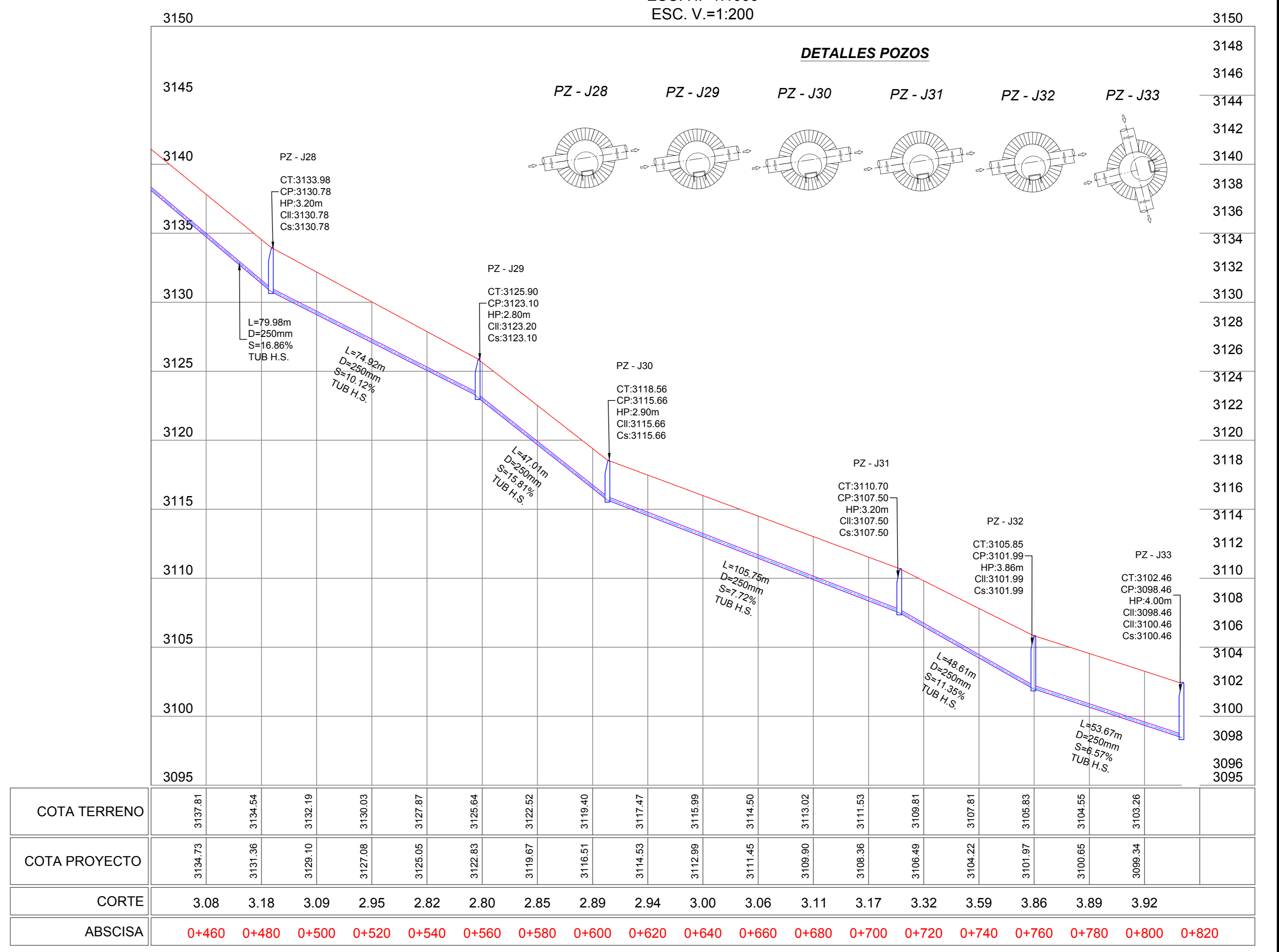
TUBERÍA PVC D = 200mm	
TUBERÍA PVC D = 250mm	
TUBERÍA H.S. D = 250mm	
TUBERÍA H.S. D = 300mm	
TUBERÍA H.S. D = 400mm	
TUBERÍA H.S. D = 600mm	
POZO DE REVISIÓN	
PERFIL DEL TERRENO	
CALLES / VÍAS	
LÍMITES TERRITORIALES	

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CII	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



RED DE ALCANTARILLADO SANITARIO SAN JUAN

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO A					
PZ-11	759500.97	9851484.21	3225.18	-	3225.84
PZ-12	759587.16	9851490.47	3225.10	3223.40	3223.40
PZ-13	759629.38	9851494.39	3224.61	3222.85	3222.85
PZ-14	759681.13	9851498.97	3223.35	3221.35	3221.35
PZ-15	759745.16	9851508.73	3219.46	3217.86	3217.25
PZ-16	759844.02	9851500.66	3213.31	3211.26	3211.26
PZ-17	759865.69	9851509.29	3211.12	3209.31	3209.31
PZ-18	759996.93	9851568.53	3204.08	3202.38	3202.38
PZ-19	760069.88	9851637.49	3198.83	3196.98	3196.98
PZ-20	760139.45	9851709.98	3193.58	3191.65	3191.65
PZ-21	760199.76	9851958.25	3187.41	3185.74	3185.74
PZ-22	760263.61	9851853.45	3182.55	3180.90	3180.90
PZ-23	760339.33	9851889.14	3179.40	3177.80	3177.80
PZ-24	760399.76	9851788.86	3180.91	3179.21	3179.21
PZ-25	760443.61	9851999.20	3165.36	3163.80	3163.80
PZ-26	760487.79	9852041.41	3161.20	3159.50	3159.50
PZ-27	760542.88	9852053.37	3149.85	3148.10	3148.10
PZ-28	760622.75	9852168.55	3137.63	3135.55	3135.55
PZ-29	760680.07	9852221.63	3130.51	3128.46	3128.46
PZ-30	760751.55	9852289.03	3121.45	3119.95	3119.95
PZ-31	760816.20	9852348.55	3112.35	3110.30	3110.30
PZ-32	760851.52	9852381.87	3109.66	3107.86	3107.86
TRAMO B					
PZ-33	760203.60	9851788.86	3150.91	-	3189.21
PZ-34	760236.05	9851739.09	3186.61	3184.26	3184.26
PZ-35	760303.24	9851803.19	3182.22	3180.32	3180.32
PZ-36	760370.32	9851868.48	3171.18	3169.54	3169.54
PZ-37	760426.45	9851924.62	3159.10	3156.50	3156.50
PZ-38	760484.21	9851977.25	3147.07	3144.27	3144.27
PZ-39	760540.80	9852033.37	3133.98	3130.78	3130.78
PZ-40	760593.51	9852087.02	3123.90	3123.20	3123.20
PZ-41	760627.12	9852119.88	3118.56	3115.66	3115.66
PZ-42	760702.75	9852183.90	3110.70	3107.50	3107.50
PZ-43	760737.10	9852228.20	3105.85	3101.99	3101.99
PZ-44	760775.69	9852265.51	3102.46	3098.46	3098.46

LA MERCED

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO C					
PZ-45	759689.59	9852074.32	3188.50	-	3187.64
PZ-46	759751.13	9852087.29	3182.81	3181.97	3181.95
PZ-47	759849.36	9852140.48	3171.45	3176.25	3176.25
PZ-48	759954.20	985214.57	3170.58	3169.05	3169.05
PZ-49	759983.60	9852259.09	3168.42	3167.00	3167.00
PZ-50	759979.50	9852261.50	3166.74	3165.04	3165.04
PZ-51	759973.03	9852282.21	3165.38	3163.40	3163.40
PZ-52	759945.88	9852419.50	3163.05	3160.96	3160.96
PZ-53	759920.43	9852474.41	3157.94	3156.11	3156.11
PZ-54	759904.94	9852536.67	3149.01	3147.21	3147.21
PZ-55	760078.33	9852594.36	3144.70	3142.87	3142.87
PZ-56	760157.87	9852654.37	3135.98	3134.35	3134.35
PZ-57	760236.08	9852713.26	3125.17	3124.11	3123.83
PZ-58	760280.59	9852748.17	3118.43	3116.40	3116.28
PZ-59	760314.76	9852771.69	3113.59	3110.63	3110.59

G.A.D. MUNICIPAL DEL CANTON TISALEO

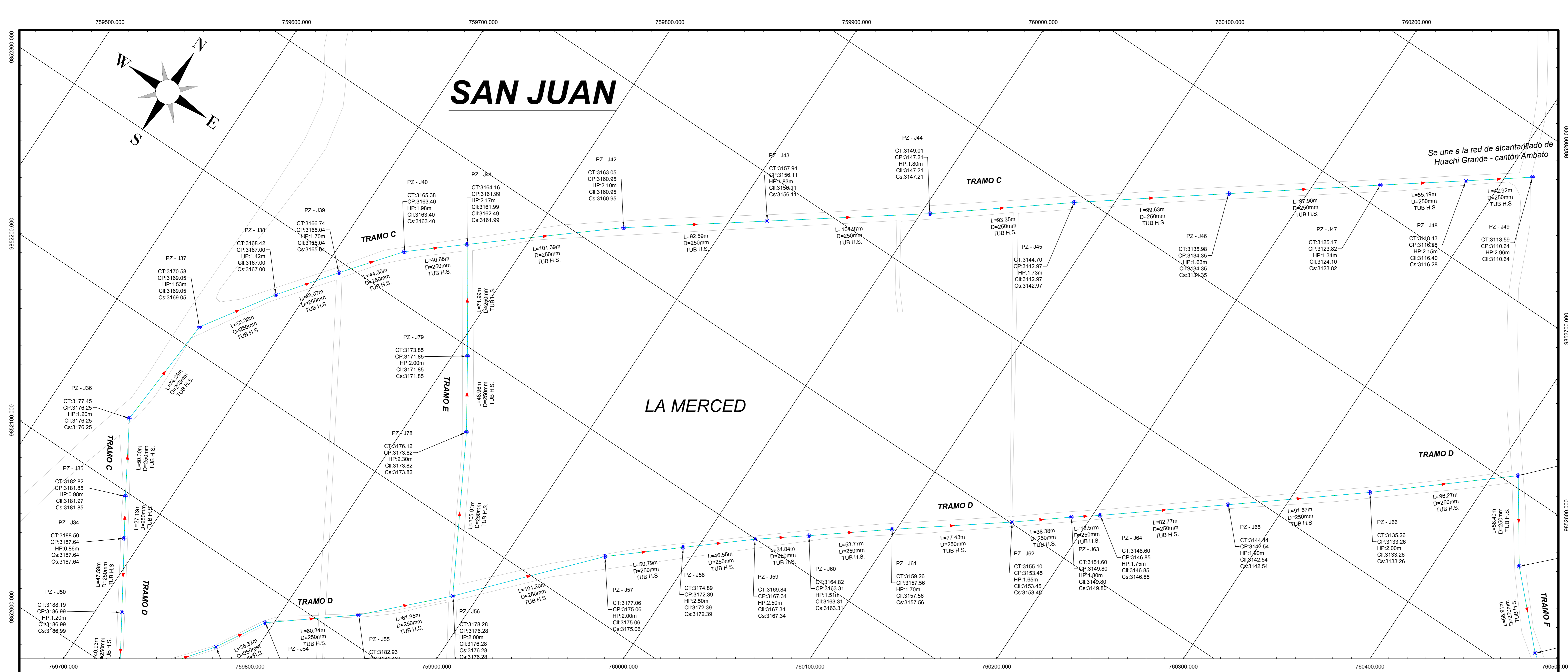
"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDABANA, SANTA LUCÍA-LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN JUAN - TRAMO B

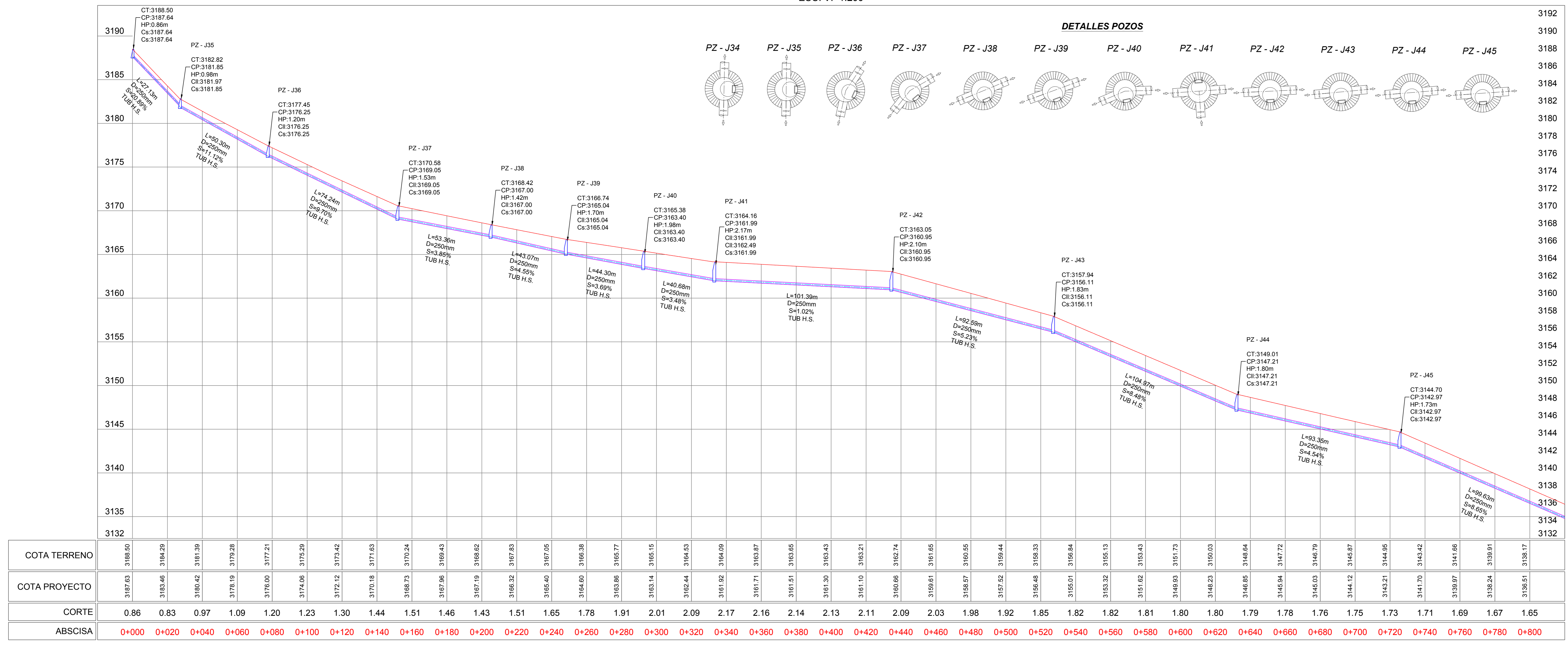
UNIVERSIDAD TÉCNICA DE AMBATO
FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA
OCTUBRE 2022

ELABORADO POR: Ing. Gato Núñez Tutor
REVISADO POR: Ing. Gato Núñez Tutor
APROBADO POR: Ing. Gato Núñez Tutor

LÁMINA: LÁMINA 03
TOTAL LÁMINAS: 08



PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



UBICACIÓN DEL PROYECTO

DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM: 759353.24 m E, 9850780.17 m S

ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

RED DE ALCANTARILLADO SANITARIO SAN JUAN

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
LA MERCED					
TRAMO C					
PZ-134	759689.59	9852074.32	3188.50	-	3187.64
PZ-135	759675.13	9852097.29	3182.81	3181.97	3181.85
PZ-136	759649.36	9852140.48	3177.45	3176.25	3176.25
PZ-137	759654.20	9852214.57	3170.58	3169.05	3169.05
PZ-138	759683.60	9852259.09	3168.42	3167.00	3167.00
PZ-139	759709.50	9852293.50	3166.74	3165.04	3165.04
PZ-140	759737.03	9852328.21	3165.38	3163.40	3163.40
PZ-141	759768.04	9852354.54	3164.16	3161.99	3161.99
PZ-142	759845.88	9852419.50	3163.05	3160.95	3160.95
PZ-143	759820.43	9852474.41	3157.94	3156.11	3156.11
PZ-144	760004.04	9852538.87	3149.01	3147.21	3147.21
PZ-145	760078.33	9852594.36	3144.70	3142.97	3142.97
PZ-146	760157.87	9852654.37	3139.98	3134.35	3134.35
PZ-147	760236.08	9852713.38	3129.17	3124.11	3123.83
PZ-148	760280.39	9852746.17	3118.43	3116.40	3116.28
PZ-149	760314.78	9852771.89	3113.59	3110.63	3110.59
TRAMO D					
PZ-150	759714.74	9852033.92	3188.19	3186.99	3186.99
PZ-151	759741.60	9851991.45	3187.88	3186.38	3186.38
PZ-152	759753.32	9852017.04	3186.36	3185.00	3185.00
PZ-153	759777.52	9852049.07	3185.22	3184.22	3184.22
PZ-154	759795.22	9852079.63	3184.59	3183.39	3183.39
PZ-155	759842.47	9852111.85	3182.93	3181.43	3181.43
PZ-156	759886.17	9852161.07	3178.28	3176.28	3176.28
PZ-157	759953.50	9852236.63	3177.06	3175.06	3175.06
PZ-158	759992.16	9852295.46	3174.99	3172.39	3172.39
PZ-159	760027.71	9852299.61	3169.84	3167.34	3167.34
PZ-160	760055.34	9852320.83	3164.82	3163.31	3163.31
PZ-161	760097.64	9852354.03	3159.26	3157.56	3157.56
PZ-162	760159.33	9852400.82	3155.10	3153.45	3153.45
PZ-163	760189.37	9852424.71	3151.60	3149.80	3149.80
PZ-164	760204.13	9852435.98	3148.60	3146.85	3146.85
PZ-165	760268.90	9852487.52	3144.44	3142.54	3142.54
PZ-166	760340.36	9852544.78	3135.26	3133.26	3133.26
PZ-167	760413.90	9852606.91	3125.48	3123.31	3123.31
TRAMO E					
PZ-168	759886.17	9852161.07	3178.28	-	3176.28
PZ-178	759834.87	9852253.73	3176.12	3173.82	3173.82
PZ-179	759809.25	9852284.83	3173.85	3171.85	3171.85
PZ-141	759768.04	9852354.54	3164.16	3162.49	3161.99

G.A.D. MUNICIPAL DEL CANTÓN TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMBA, SANTA LUCÍA-LA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

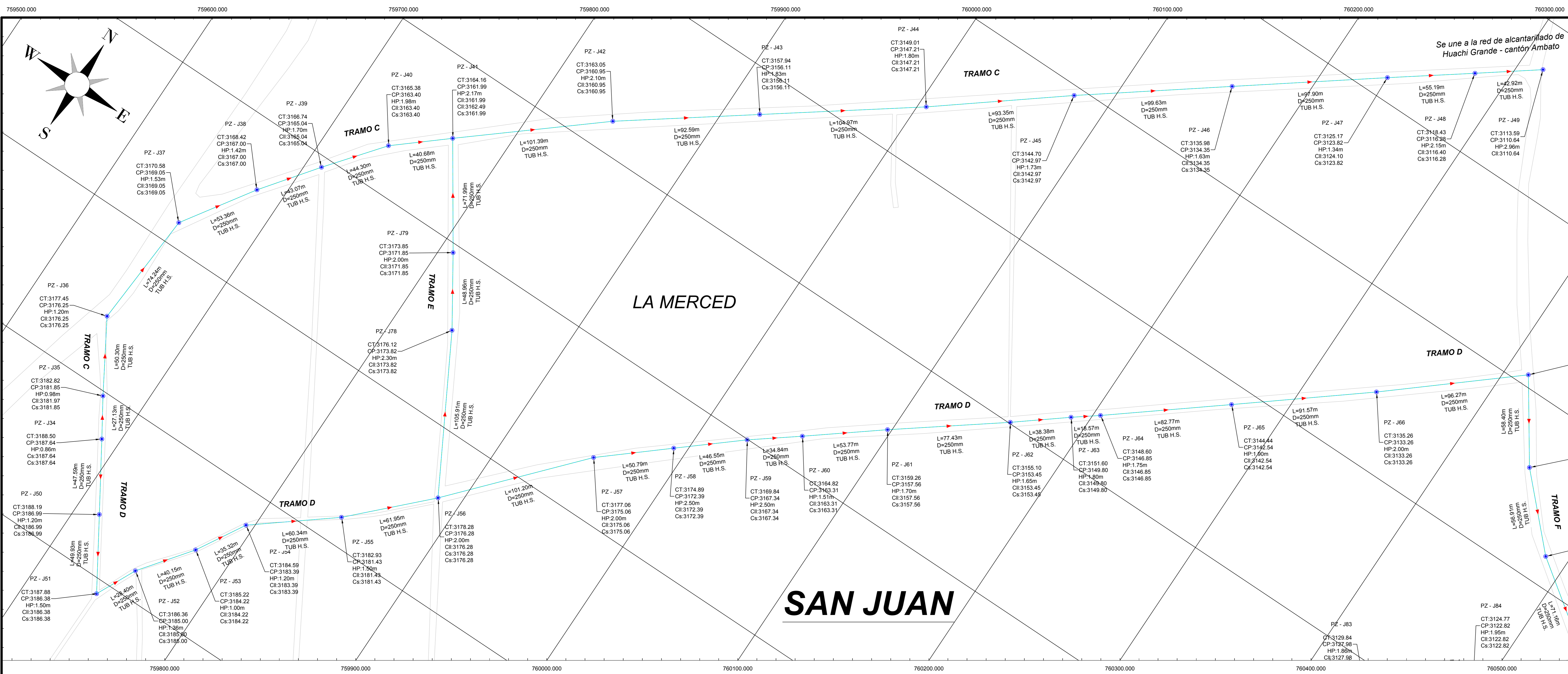
CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN JUAN - TRAMO C

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: SAN JUAN

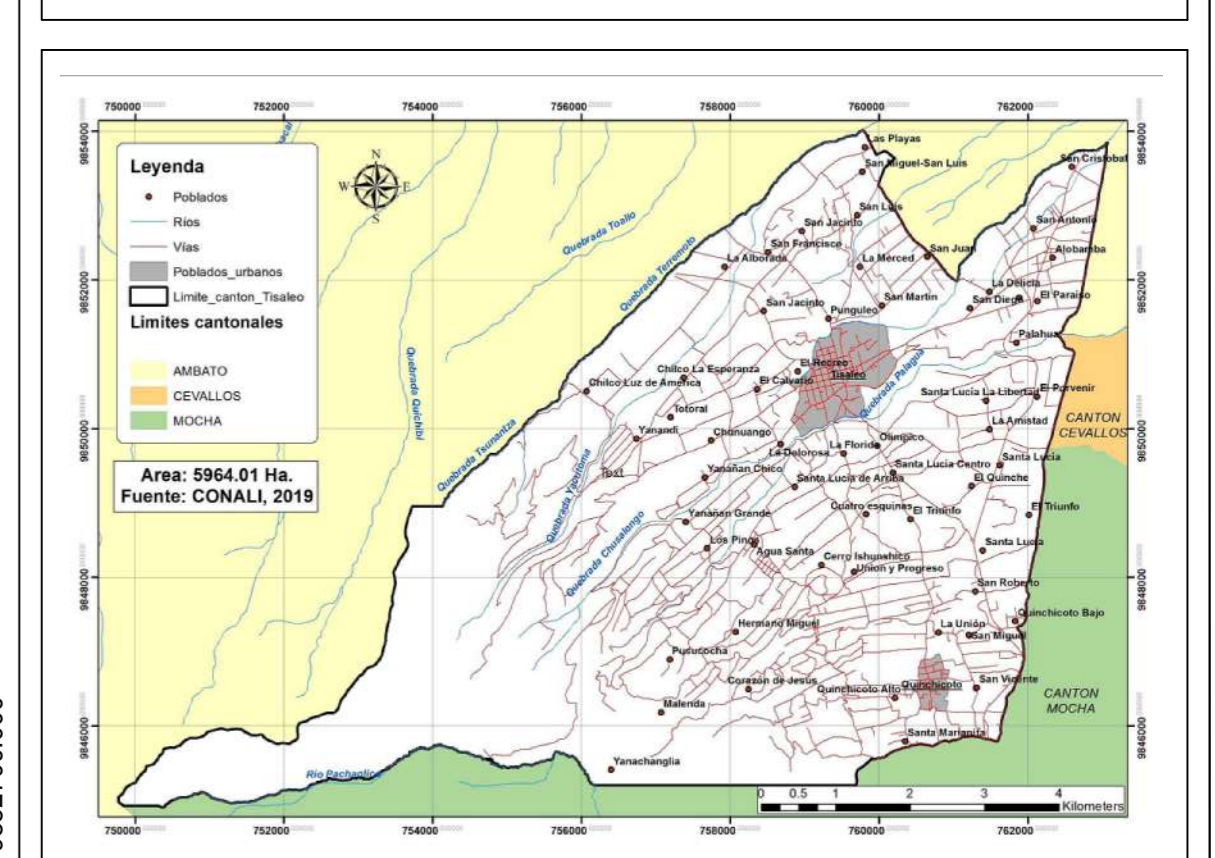
FECHA: OCTUBRE, 2022 ESCALA: 1:1000

ELABORADO POR: Ing. Tania Bonita Testa REVISADO POR: Ing. Gato Núñez Tutor APROBADO POR: Ing. Gato Núñez Tutor

LÁMINA: LÁMINA 04 TOTAL LÁMINAS: 08



UBICACIÓN DEL PROYECTO



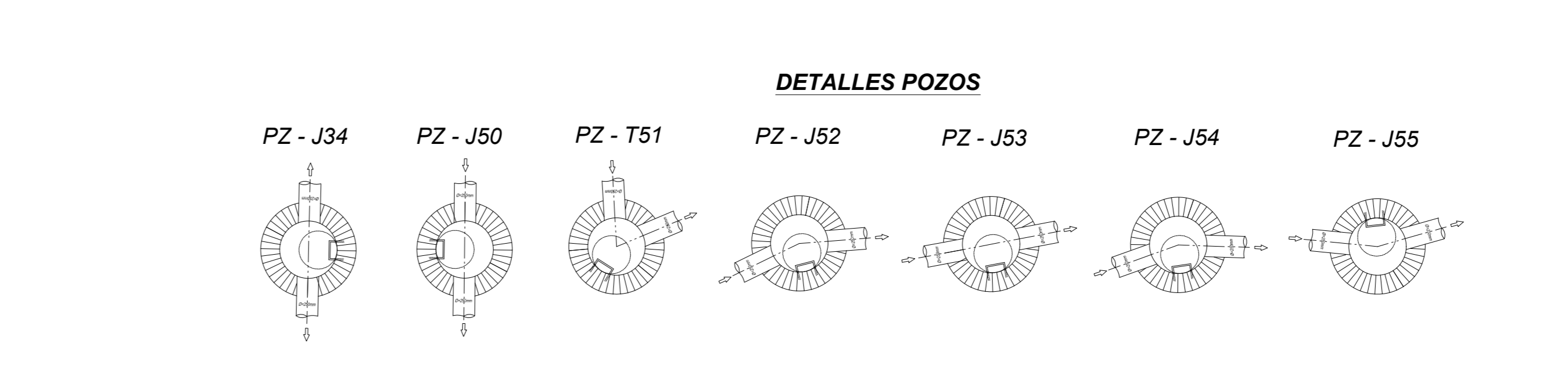
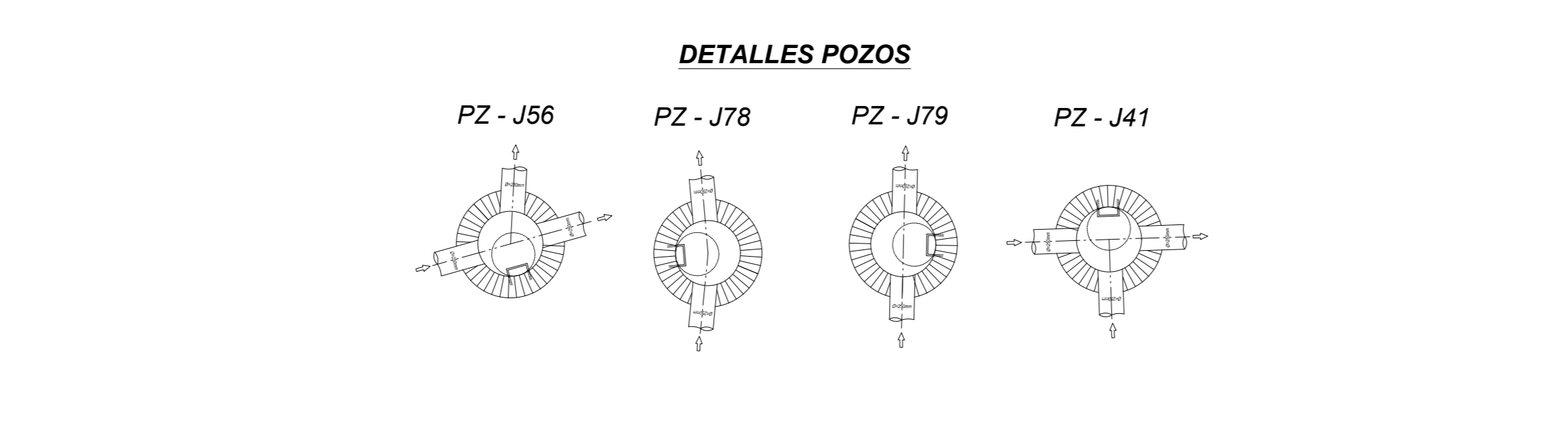
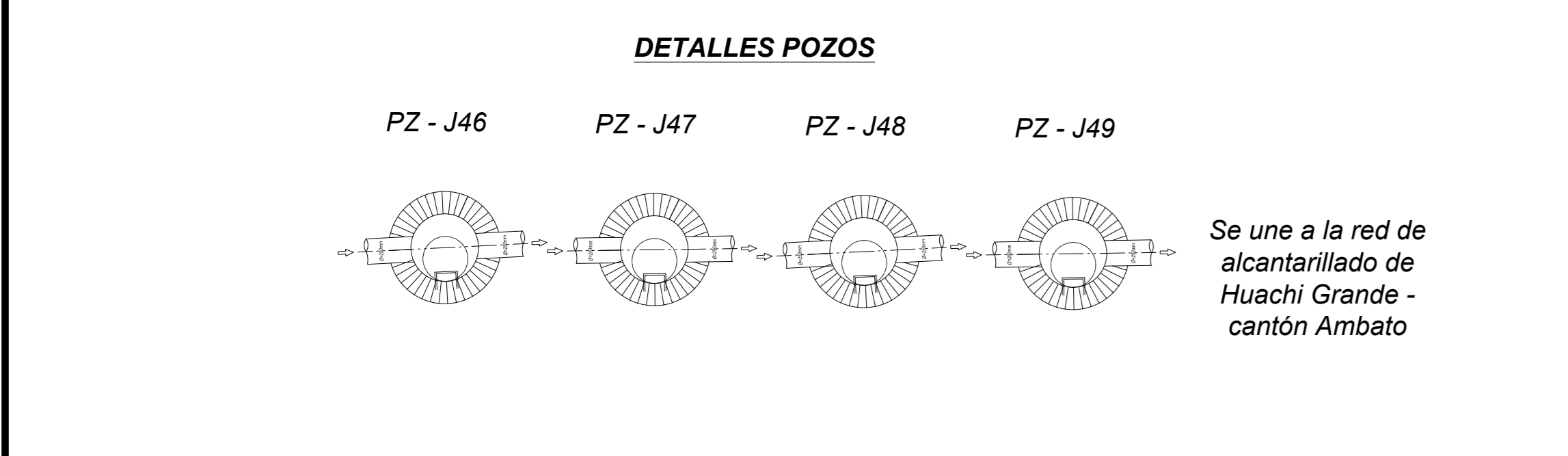
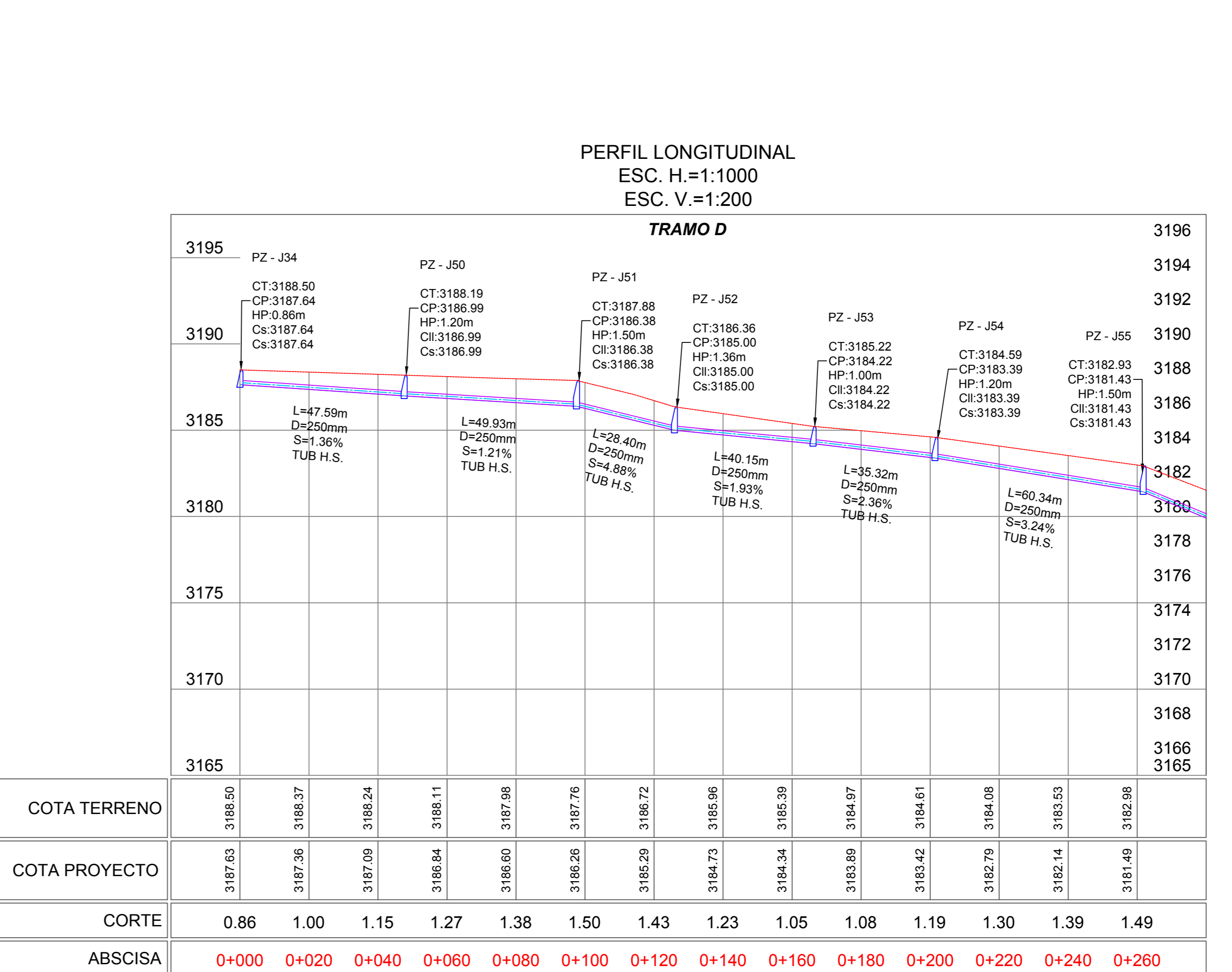
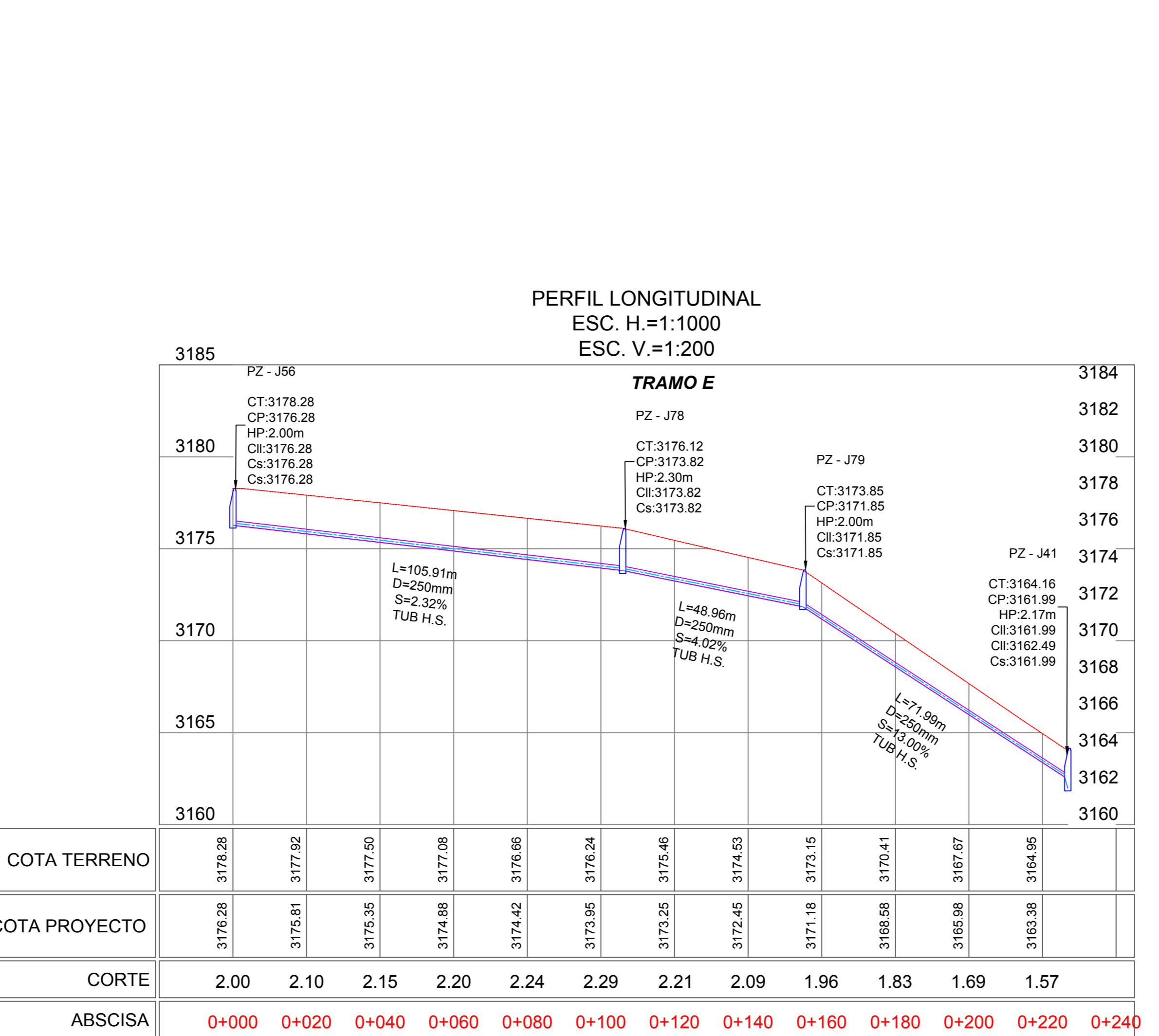
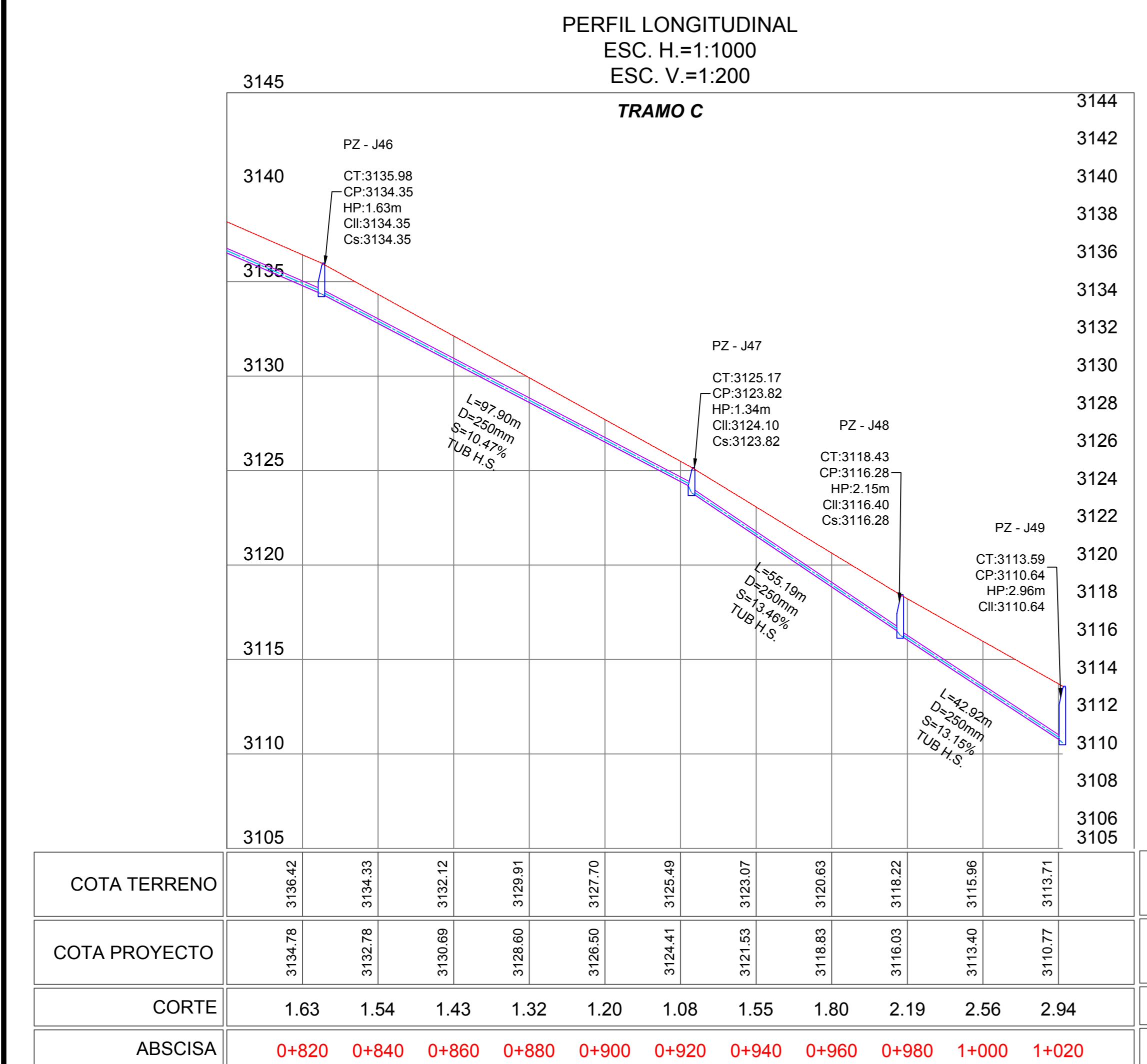
DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E, 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CII	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO



POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
LA MERCED					
PZ-134	759889.59	9852074.32	3188.50	-	3187.64
PZ-135	759875.13	9852097.29	3182.81	3181.97	3181.85
PZ-136	759849.36	9852140.48	3177.45	3176.25	3176.25
PZ-137	759854.20	9852214.57	3170.58	3169.05	3169.05
PZ-138	759893.60	9852259.09	3168.42	3167.00	3167.00
PZ-139	759709.50	9852293.50	3166.74	3165.04	3165.04
PZ-140	759737.03	9852269.21	3165.38	3163.40	3163.40
PZ-141	759768.04	9852354.54	3164.16	3161.99	3161.99
PZ-142	759845.88	9852419.50	3163.05	3160.95	3160.95
PZ-143	759820.43	9852474.41	3157.94	3156.11	3156.11
PZ-144	760004.04	9852598.67	3149.01	3147.21	3147.21
PZ-145	760078.33	9852594.36	3144.70	3142.97	3142.97
PZ-146	760157.87	9852654.37	3139.98	3134.35	3134.35
PZ-147	760236.08	9852713.26	3129.17	3124.11	3123.83
PZ-148	760280.39	9852746.17	3118.43	3116.40	3116.28
PZ-149	760314.76	9852771.89	3113.59	3110.63	3110.59
TRAMO D					
PZ-150	759714.74	9852033.92	3188.19	3186.99	3186.99
PZ-151	759741.60	9851991.45	3187.88	3186.56	3186.30
PZ-152	759753.32	9852017.04	3186.36	3185.00	3185.00
PZ-153	759777.52	9852049.07	3185.22	3184.22	3184.22
PZ-154	759795.22	9852079.63	3184.59	3183.39	3183.39
PZ-155	759842.47	9852117.16	3182.93	3181.43	3181.43
PZ-156	759886.17	9852161.07	3178.28	3176.28	3176.28
PZ-157	759953.50	9852236.63	3177.06	3175.06	3175.06
PZ-158	759992.16	9852268.46	3174.99	3172.39	3172.39
PZ-159	760027.71	9852299.61	3169.84	3167.34	3167.34
PZ-160	760055.34	9852320.83	3164.82	3163.31	3163.31
PZ-161	760097.64	9852354.58	3159.26	3157.56	3157.56
PZ-162	760159.33	9852400.82	3155.10	3153.45	3153.45
PZ-163	760189.37	9852424.71	3151.60	3149.80	3149.80
PZ-164	760204.13	9852435.98	3148.60	3146.85	3146.85
PZ-165	760268.90	9852487.52	3144.44	3142.54	3142.54
PZ-166	760340.36	9852544.78	3135.26	3133.26	3133.26
PZ-167	760413.90	9852608.91	3125.48	3123.31	3123.31
TRAMO E					
PZ-168	759886.17	9852161.07	3178.28	-	3176.28
PZ-178	759834.87	9852253.73	3176.12	3173.82	3173.82
PZ-179	759809.25	9852294.83	3173.85	3171.85	3171.85
PZ-141	759768.04	9852354.54	3164.16	3162.49	3161.99

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEORREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMBA, SANTA LUCÍA-LA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

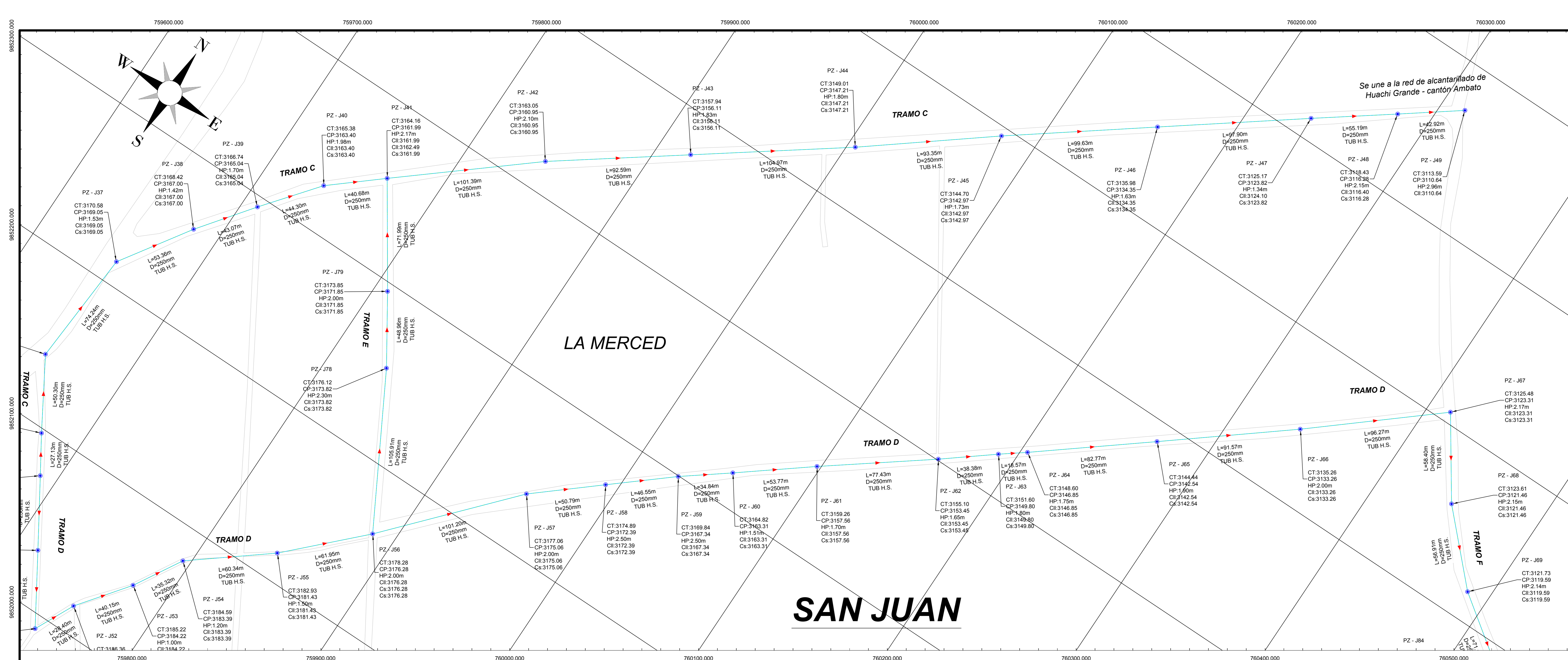
CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN JUAN - TRAMO C, TRAMO D, TRAMO E

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: SAN JUAN

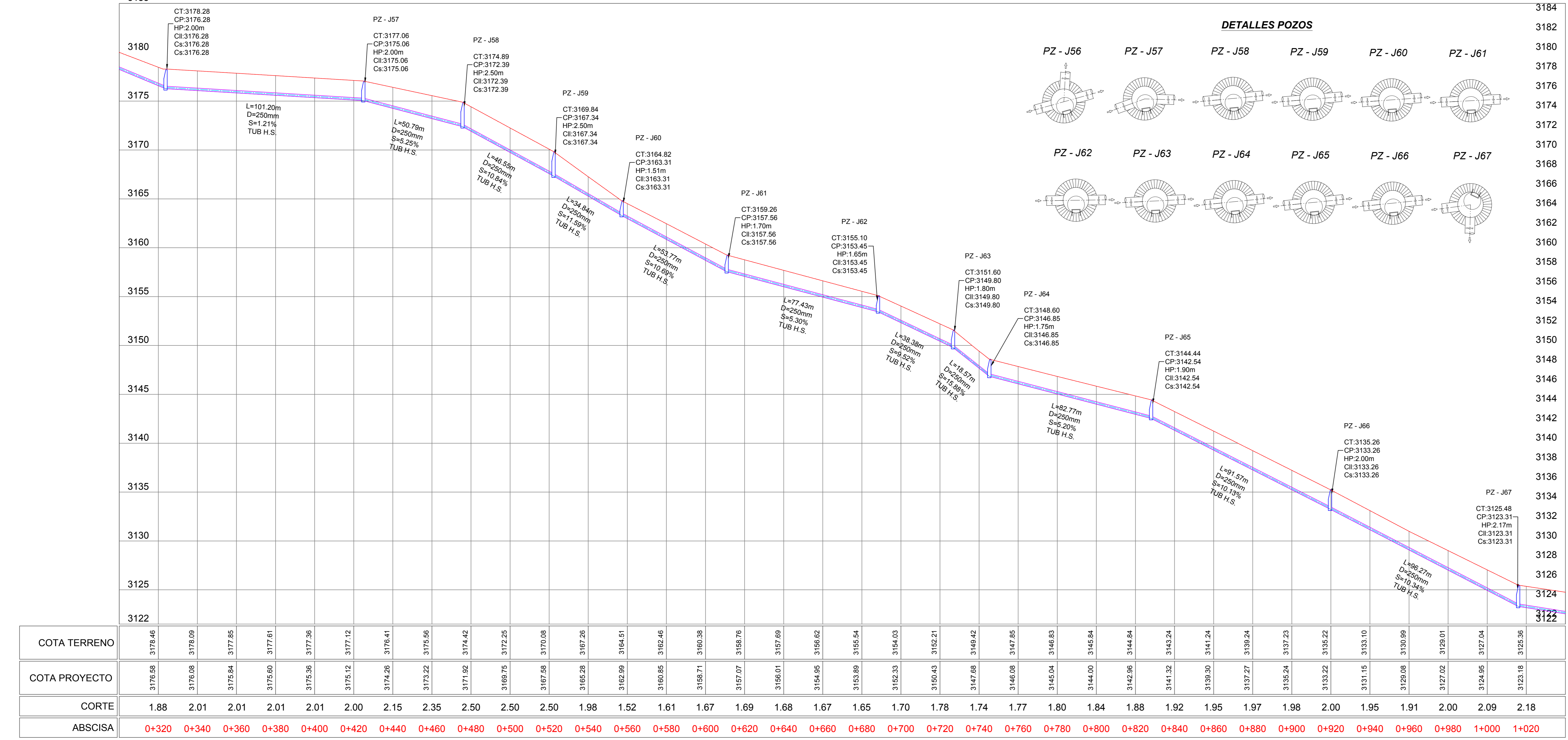
FECHA: OCTUBRE, 2022 ESCALA: 1:1000

ELABORADO POR: Ing. Tania Bonita Testa REVISADO POR: Ing. Galo Núñez Tutor APROBADO POR: Ing. Galo Núñez Tutor

LÁMINA: LÁMINA 05 TOTAL LÁMINAS: 08



PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



UBICACIÓN DEL PROYECTO

DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E, 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

LEYENDA

- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENO
- CP COTA PROYECTO
- CII COTA DE LLEGADA
- Cs COTA DE SALIDA
- HP ALTURA DE POZO

RED DE ALCANTARILLADO SANITARIO SAN JUAN

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
LA MERCED					
TRAMO C					
PZ-134	759689.59	9852074.32	3168.50	-	3187.64
PZ-135	759675.13	9852097.29	3182.81	3181.97	3181.85
PZ-136	759649.36	9852140.48	3177.45	3176.25	3176.25
PZ-137	759654.20	9852214.57	3170.58	3169.05	3169.05
PZ-138	759683.60	9852259.09	3168.42	3167.00	3167.00
PZ-139	759709.50	9852293.50	3166.74	3165.04	3165.04
PZ-140	759737.03	9852328.21	3165.38	3163.40	3163.40
PZ-141	759768.04	9852354.54	3164.16	3161.99	3161.99
PZ-142	759845.88	9852419.50	3163.05	3160.95	3160.95
PZ-143	759820.43	9852474.41	3157.94	3156.11	3156.11
PZ-144	760004.04	9852538.87	3149.01	3147.21	3147.21
PZ-145	760078.33	9852594.36	3144.70	3142.97	3142.97
PZ-146	760157.87	9852654.37	3139.98	3134.35	3134.35
PZ-147	760236.08	9852713.26	3129.17	3124.11	3123.83
PZ-148	760280.39	9852746.17	3118.43	3116.40	3116.28
PZ-149	760314.76	9852771.89	3113.59	3110.63	3110.59
TRAMO D					
PZ-150	759714.74	9852033.92	3188.19	3186.99	3186.99
PZ-151	759741.60	9851991.45	3187.88	3186.36	3186.36
PZ-152	759753.32	9852017.04	3186.36	3185.00	3185.00
PZ-153	759777.52	9852049.07	3185.22	3184.22	3184.22
PZ-154	759795.22	9852079.63	3184.59	3183.39	3183.39
PZ-155	759842.47	9852117.16	3182.93	3181.43	3181.43
PZ-156	759886.17	9852161.07	3178.28	3176.28	3176.28
PZ-157	759953.50	9852236.63	3177.06	3175.06	3175.06
PZ-158	759992.16	9852298.46	3174.99	3172.39	3172.39
PZ-159	760027.71	9852299.61	3169.84	3167.34	3167.34
PZ-160	760055.34	9852320.83	3164.82	3163.31	3163.31
PZ-161	760097.64	9852354.03	3159.26	3157.56	3157.56
PZ-162	760159.33	9852400.82	3155.10	3153.45	3153.45
PZ-163	760189.37	9852424.71	3151.60	3149.80	3149.80
PZ-164	760204.13	9852435.98	3148.60	3146.85	3146.85
PZ-165	760268.90	9852487.52	3144.44	3142.54	3142.54
PZ-166	760340.36	9852544.78	3135.26	3133.26	3133.26
PZ-167	760413.90	9852608.91	3125.48	3123.31	3123.31
TRAMO E					
PZ-168	759886.17	9852161.07	3178.28	-	3176.28
PZ-178	759834.87	9852253.73	3176.12	3173.82	3173.82
PZ-179	759809.25	9852284.83	3173.85	3171.85	3171.85
PZ-141	759768.04	9852354.54	3164.16	3162.49	3161.99

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMBA, SANTA LUCÍA-LA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN JUAN - TRAMO D

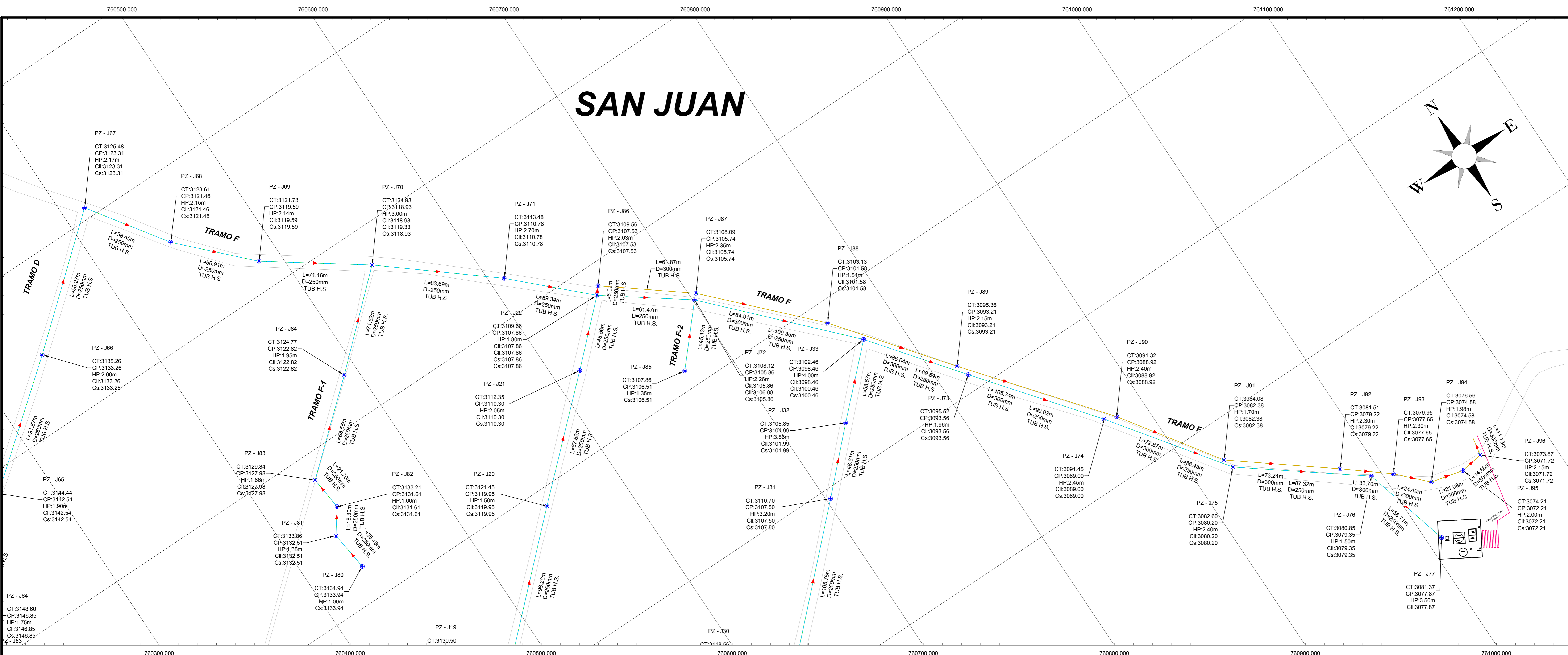
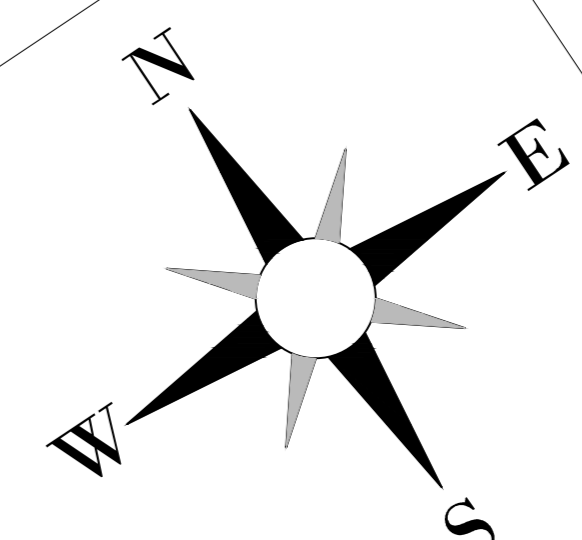
PROVINCIA: TUNGURAHUA | CANTÓN: TISALEO | SECTOR: SAN JUAN

FECHA: OCTUBRE, 2023 | ESCALA: 1:1000

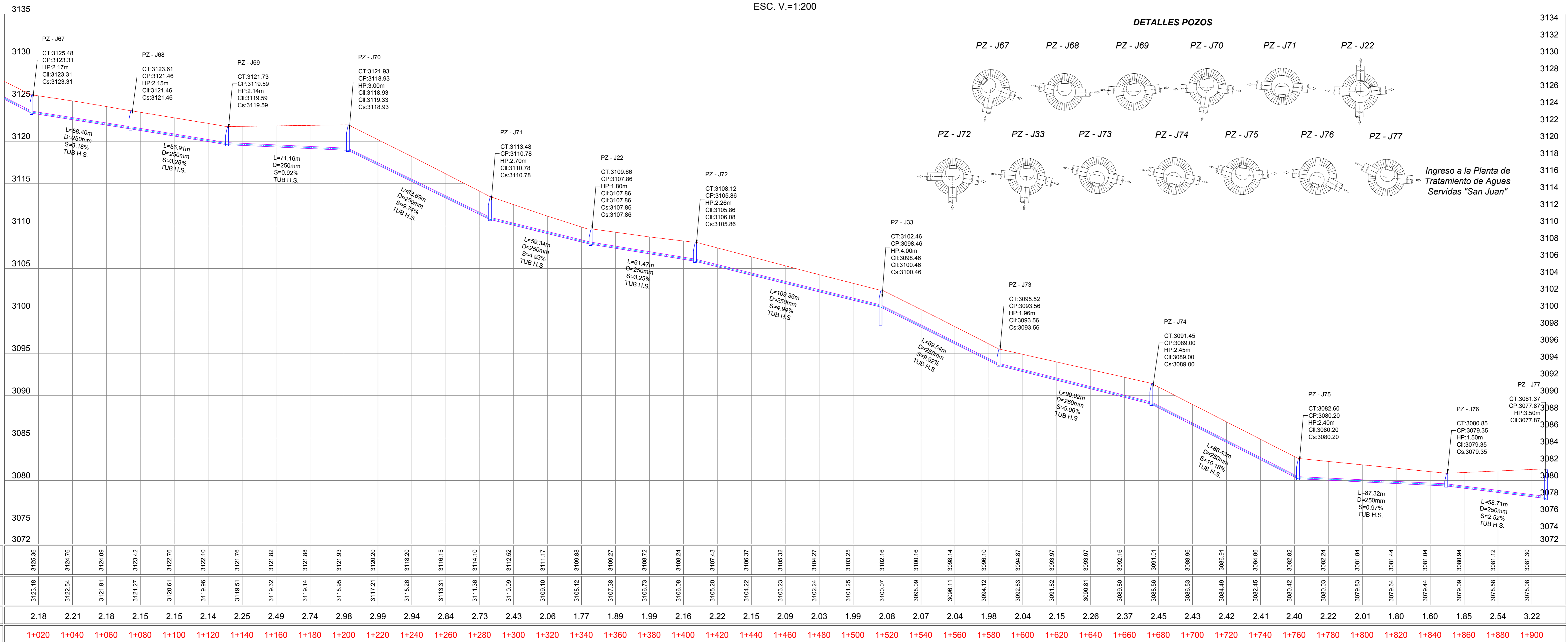
ELABORADO POR: Ing. Tania Bonita Testa | REVISADO POR: Ing. Galo Núñez Tutor | APROBADO POR: Ing. Galo Núñez Tutor

LÁMINA: LÁMINA 08 | TOTAL LÁMINAS: 08

SAN JUAN

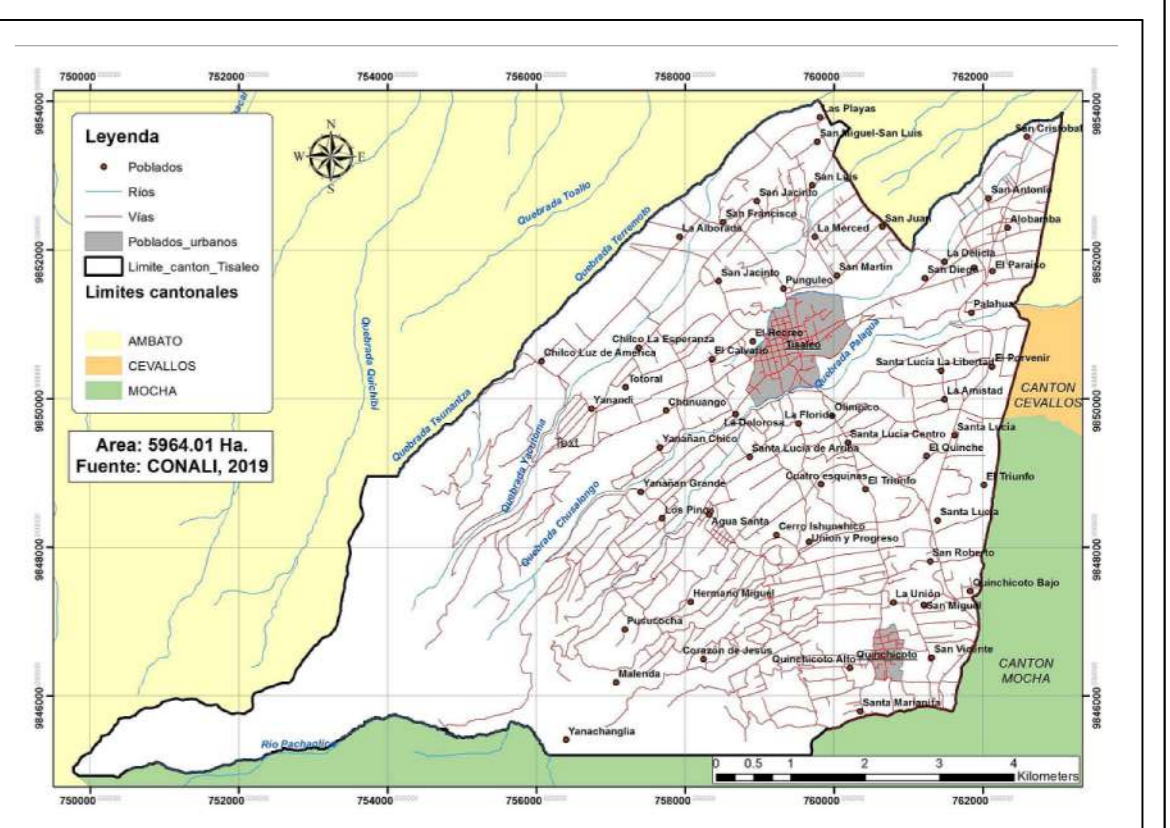


PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



DETALLES POZOS

UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
 COORDENADAS UTM: 759353.24 m E, 9850780.17 m S
 ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENO
- CP COTA PROYECTO
- CII COTA DE LLEGADA
- Cs COTA DE SALIDA
- HP ALTURA DE POZO

RED DE ALCANTARILLADO SANITARIO SAN JUAN						
POZO	NORTE (m)	ESTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)	C. SALIDA (m)
TRAMO F						
PZ-J67	760413.90	9852608.91	3125.48	-	-	3123.31
PZ-J68	760446.89	9852558.73	3123.61	3121.46	3121.46	3121.46
PZ-J69	760486.52	9852517.88	3121.73	3119.59	3119.59	3119.59
PZ-J70	760544.38	9852476.45	3121.93	3118.93	3118.93	3118.93
PZ-J71	760608.91	9852423.17	3113.48	3110.78	3110.78	3110.78
PZ-J72	760651.52	9852381.87	3109.66	3107.86	3107.86	3107.86
PZ-J73	760700.98	9852345.37	3106.12	3105.86	3105.86	3105.86
PZ-J74	760775.69	9852285.51	3100.46	3100.46	3100.46	3100.46
PZ-J75	760818.19	9852210.47	3095.52	3093.56	3093.56	3093.56
PZ-J76	760873.73	9852139.62	3091.45	3089.00	3089.00	3089.00
PZ-J77	760924.40	9852069.60	3082.60	3080.20	3080.20	3080.20
PZ-J78	760993.83	9852016.38	3080.85	3079.35	3079.35	3079.35
PZ-J79	761008.95	9851967.91	3081.37	3077.87	3077.87	3077.87
TRAMO F-1						
PZ-J80	760433.95	9852322.08	3134.94	-	-	3133.94
PZ-J81	760430.87	9852347.35	3133.86	3132.51	3132.51	3132.51
PZ-J82	760441.61	9852362.16	3133.21	3131.61	3131.61	3131.61
PZ-J83	760439.38	9852363.75	3129.84	3127.88	3127.88	3127.88
PZ-J84	760491.31	9852428.49	3124.77	3122.82	3122.82	3122.82
PZ-J85	760544.38	9852476.45	3122.93	3119.33	3119.33	3119.33
TRAMO F-2						
PZ-J86	760611.06	9852311.59	3107.86	-	-	3106.51
PZ-J87	760700.98	9852345.37	3108.12	3106.08	3106.08	3106.08
ALVIADERO						
PZ-J22	760651.52	9852381.87	3109.66	-	-	3107.86
PZ-J88	760555.39	9852386.57	3109.56	3107.53	3107.53	3107.53
PZ-J89	760704.62	9852346.32	3108.99	3105.74	3105.74	3105.74
PZ-J90	760792.54	9852298.78	3103.13	3101.59	3101.59	3101.59
PZ-J91	760815.24	9852218.77	3095.36	3093.21	3093.21	3093.21
PZ-J92	760881.19	9852139.62	3091.32	3089.02	3089.02	3089.02
PZ-J93	760922.21	9852078.41	3084.08	3082.38	3082.38	3082.38
PZ-J94	760979.84	9852031.22	3081.52	3079.22	3079.22	3079.22
PZ-J95	761005.99	9852009.95	3079.95	3077.65	3077.65	3077.65
PZ-J96	761023.01	9851992.35	3078.56	3074.58	3074.58	3074.58
PZ-J97	761043.49	9851987.35	3074.21	3072.21	3072.21	3072.21
PZ-J98	761058.01	9851989.37	3073.87	3071.72	3071.72	3071.72

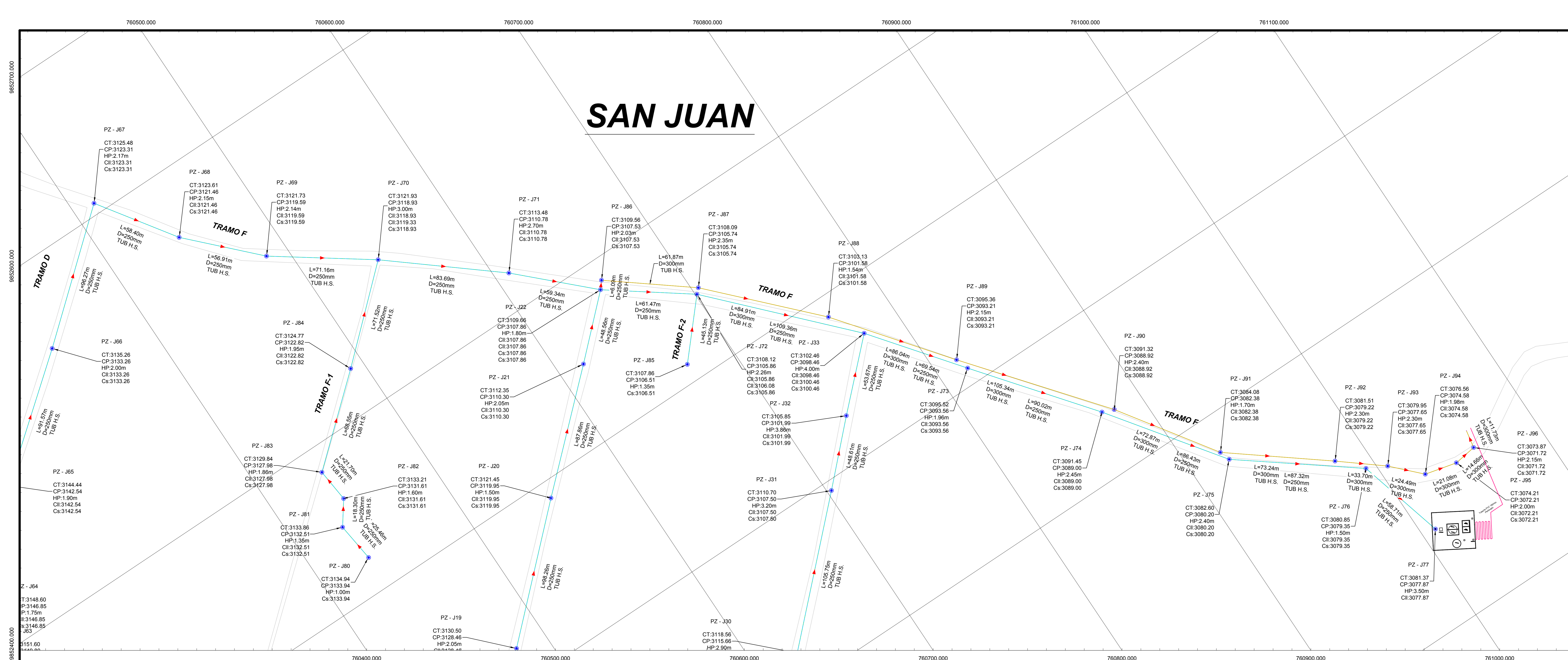
G.A.D. MUNICIPAL DEL CANTON TISALEO
 "CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDAMBA, SANTA LUCÍA-LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN JUAN - TRAMO F

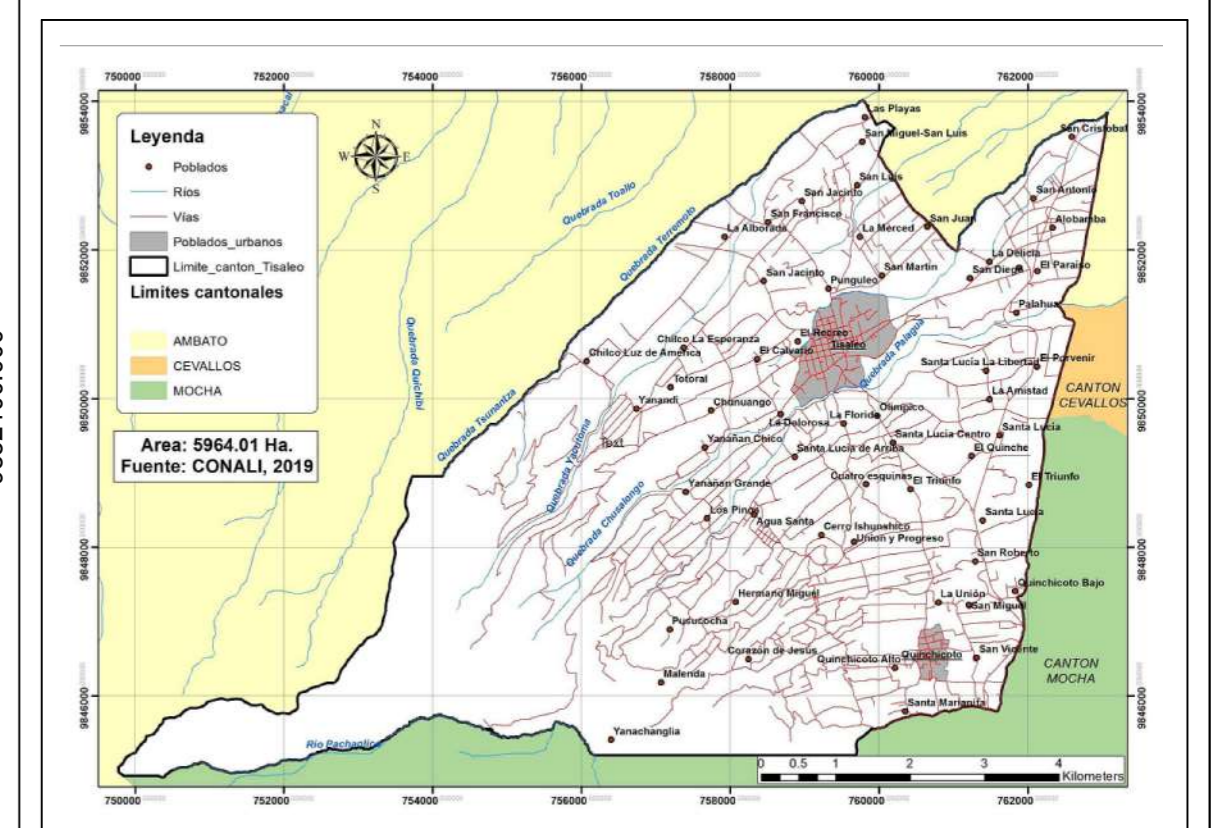
UNIVERSIDAD TÉCNICA DE AMBATO
 FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA
 CÁTEDRA DE INGENIERÍA CIVIL

ELABORADO POR: Ing. Tania Bonita Testa
 REVISADO POR: Ing. Galo Núñez Tutor
 APROBADO POR: Ing. Galo Núñez Tutor

PROVINCIA: TUNGURAHUA
 CANTÓN: TISALEO
 SECTOR: SAN JUAN
 FECHA: OCTUBRE, 2023
 ESCALA: 1:1000
 LÁMINA: 08
 TOTAL LÁMINAS: 08



UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

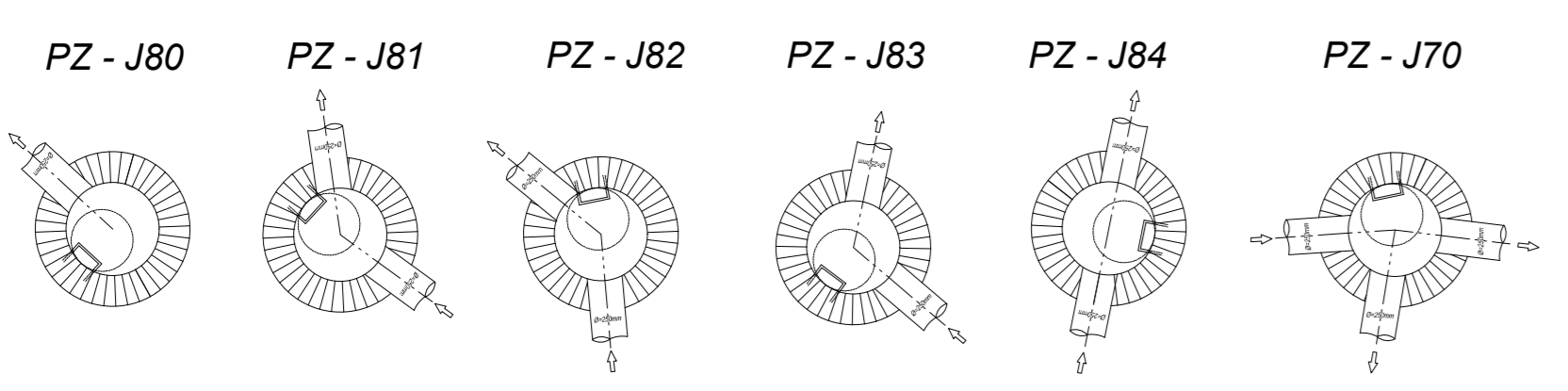
DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E
 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

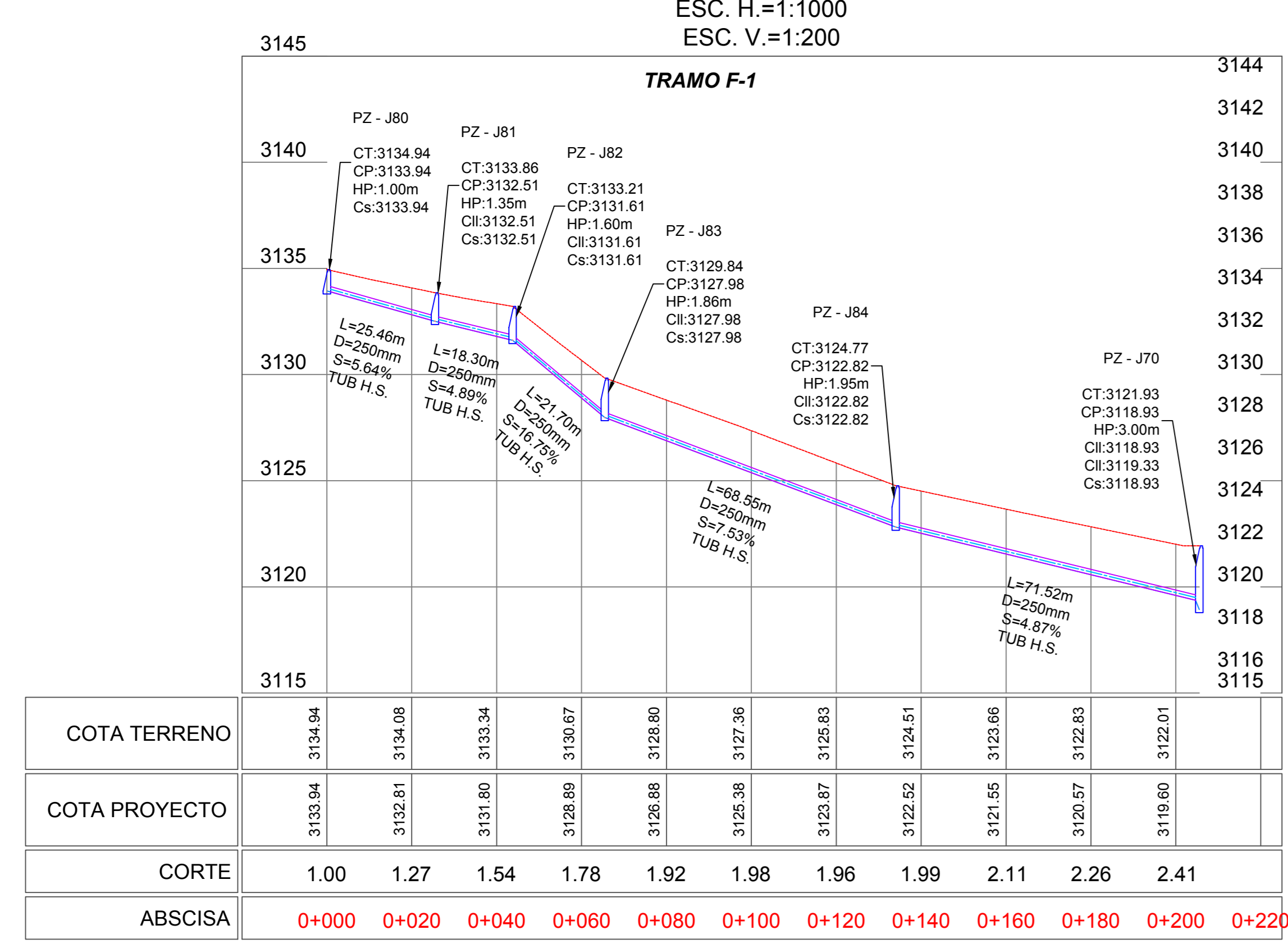
- TUBERÍA PVC D = 200mm
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- TUBERÍA H.S. D = 300mm
- TUBERÍA H.S. D = 400mm
- TUBERÍA H.S. D = 600mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LÍMITES TERRITORIALES

- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENO
- CP COTA PROYECTO
- CII COTA DE LLEGADA
- Cs COTA DE SALIDA
- HP ALTURA DE POZO

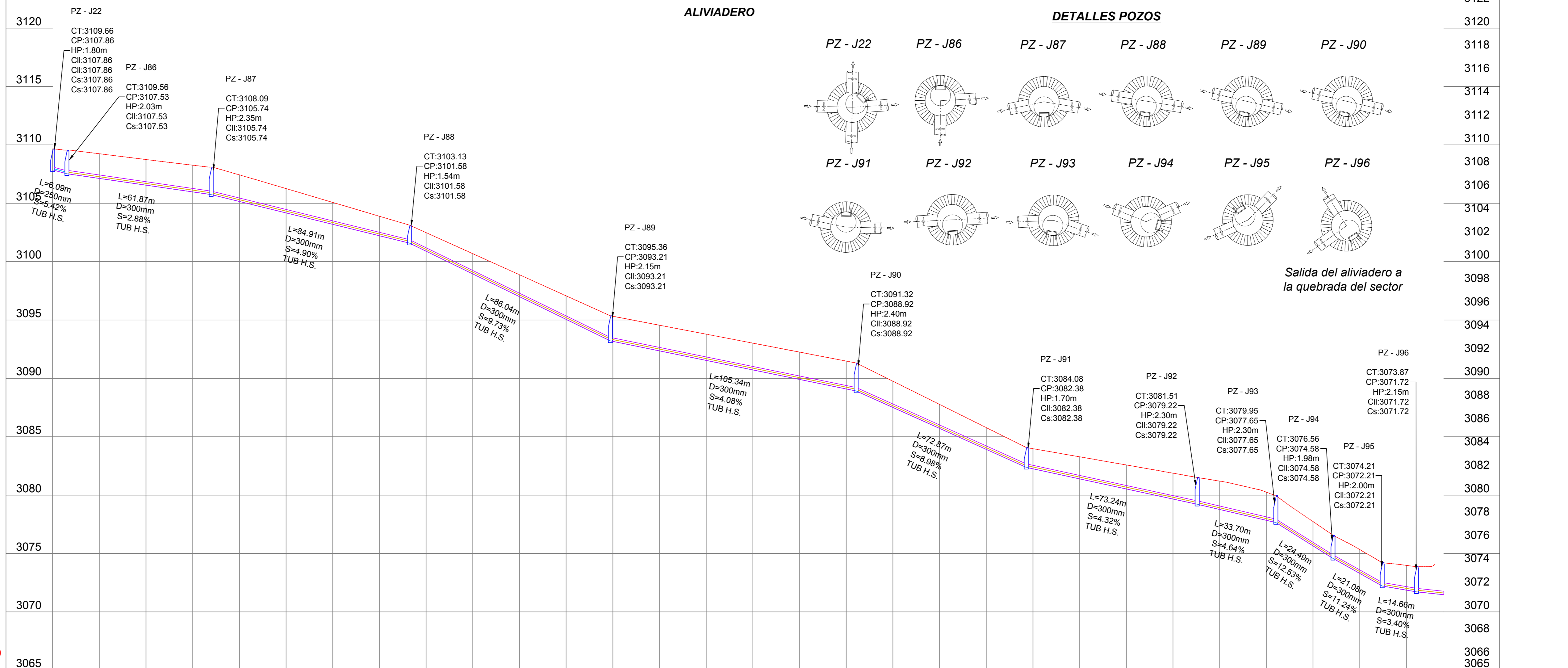
DETALLES POZOS



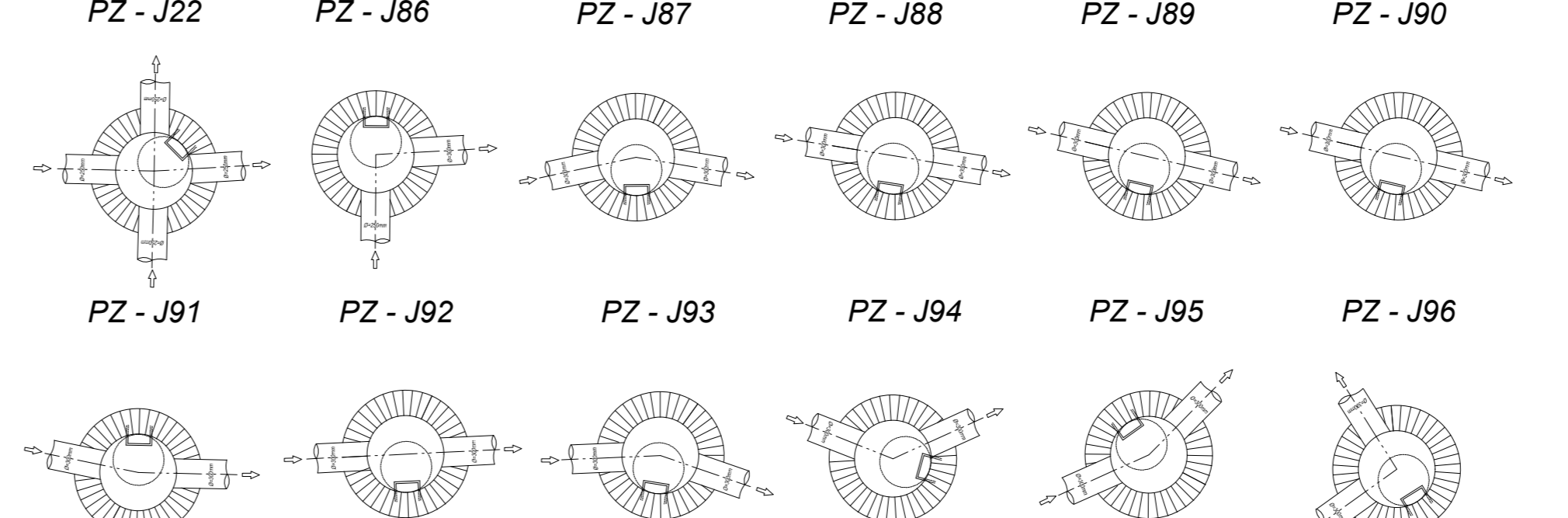
PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200



PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200



DETALLES POZOS



Salida del aliviadero a la quebrada del sector

COTA TERRENO	3109.05	3109.24	3108.75	3108.26	3107.43	3106.26	3105.07	3103.89	3102.48	3100.88	3098.88	3097.07	3095.32	3093.45	3091.54	3089.79	3088.02	3086.25	3084.45	3082.59	3080.78	3078.92	3077.03	3075.14	3073.24	3071.34	3069.44	3067.54	3065.64	3063.74	
COTA PROYECTO	3107.86	3107.12	3106.55	3105.87	3105.15	3104.17	3103.19	3102.22	3101.89	3101.59	3101.29	3100.99	3100.69	3100.39	3100.09	2999.79	2999.49	2999.19	2998.89	2998.59	2998.29	2997.99	2997.69	2997.39	2997.09	2996.79	2996.49	2996.19	2995.89	2995.59	
CORTE	1.80	2.12	2.20	2.29	2.28	2.08	1.88	1.67	1.59	1.73	1.88	2.02	2.15	2.20	2.25	2.30	2.34	2.39	2.25	2.06	1.87	1.72	1.89	2.06	2.22	2.43	2.41	2.08	2.04	2.12	
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580	0+600

G.A.D. MUNICIPAL DEL CANTON TISALEO
 "CATASTRO DE LOS SISTEMAS DE ALCAANTARRILLO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALDABANA, SANTA LUCÍA-LA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA-ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALCAANTARRILLO SANITARIO SAN JUAN - TRAMO F-1, ALIVIADERO

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: SAN JUAN

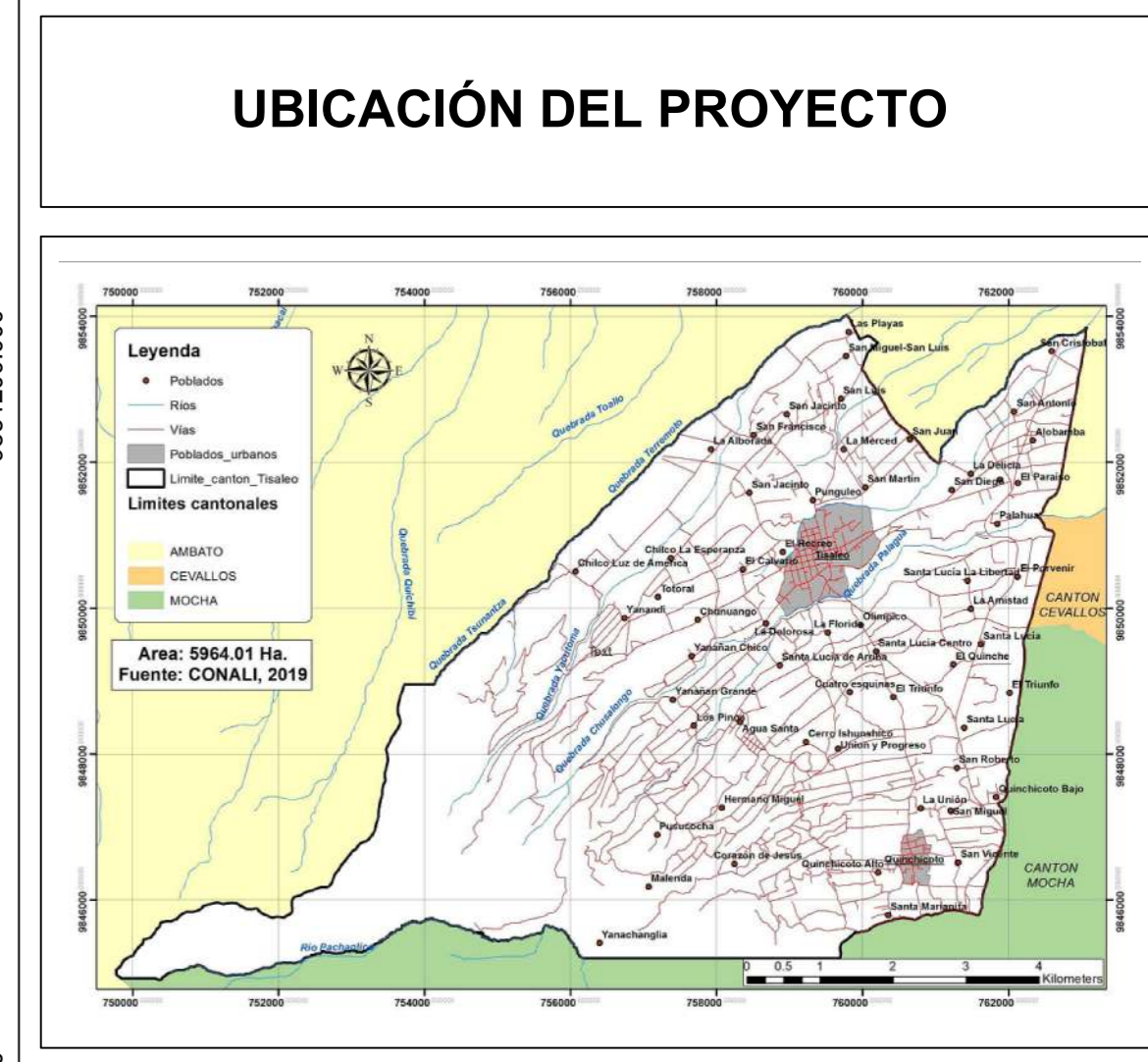
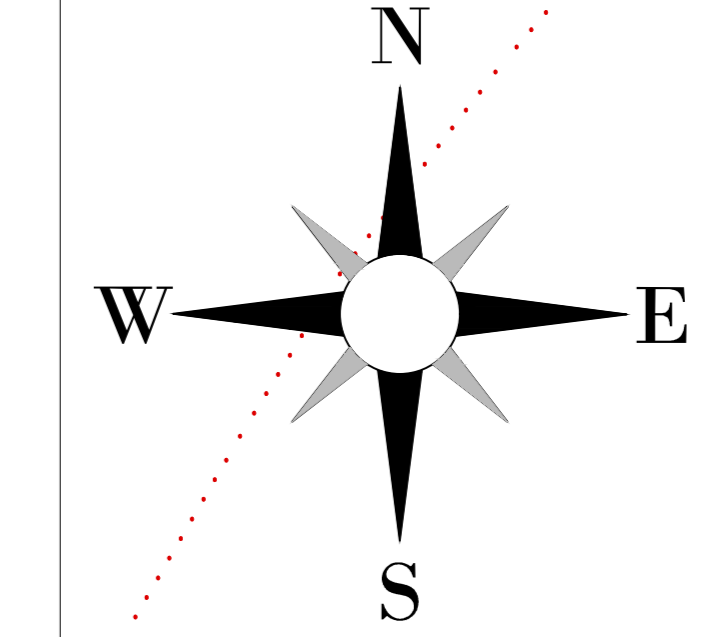
FECHA: OCTUBRE 2023 ESCALA: 1:1000

ELABORADO POR: Ing. Gato Núñez Tutor REVISADO POR: Ing. Gato Núñez Tutor APROBADO POR: Ing. Gato Núñez Tutor

TOTAL LÁMINAS: 08 LÁMINA 08

***RED DE ALCANTARILLADO
SANITARIO PALAHUA***

SAN DIEGO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

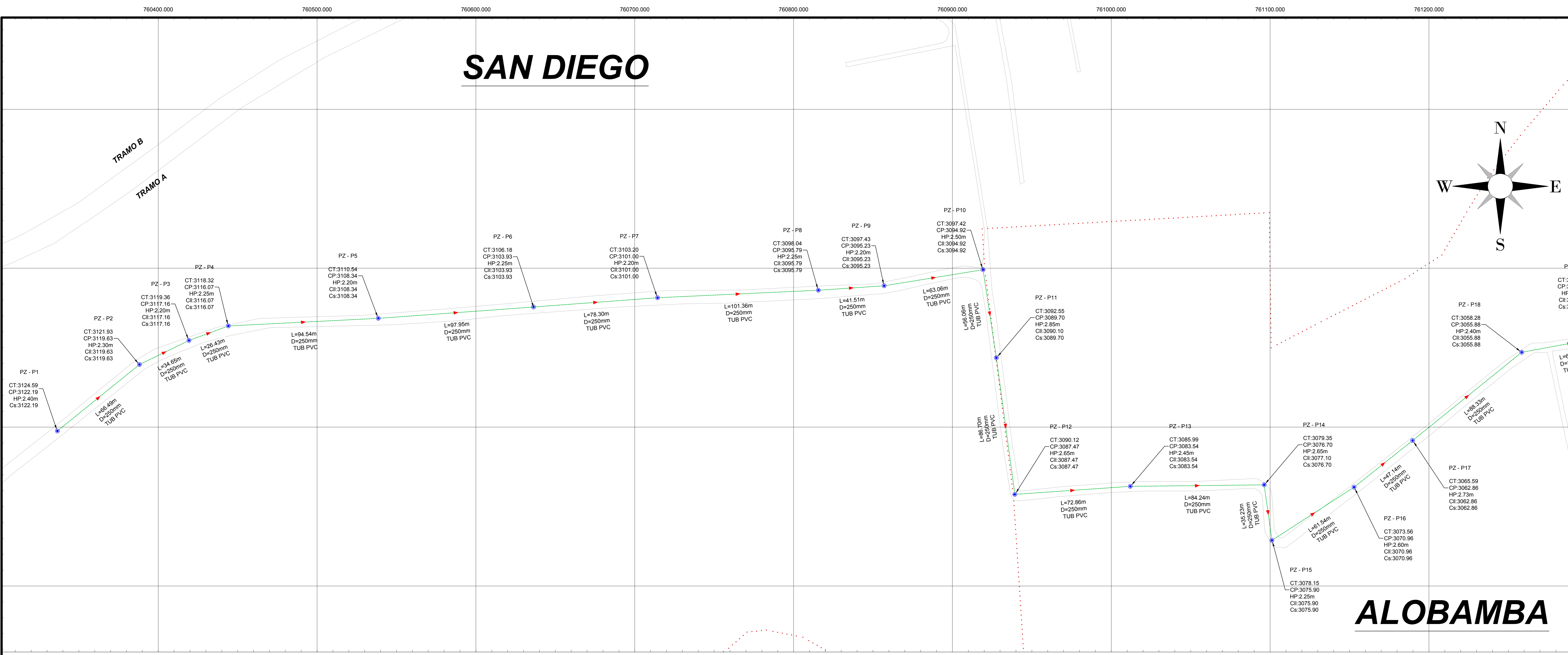
COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

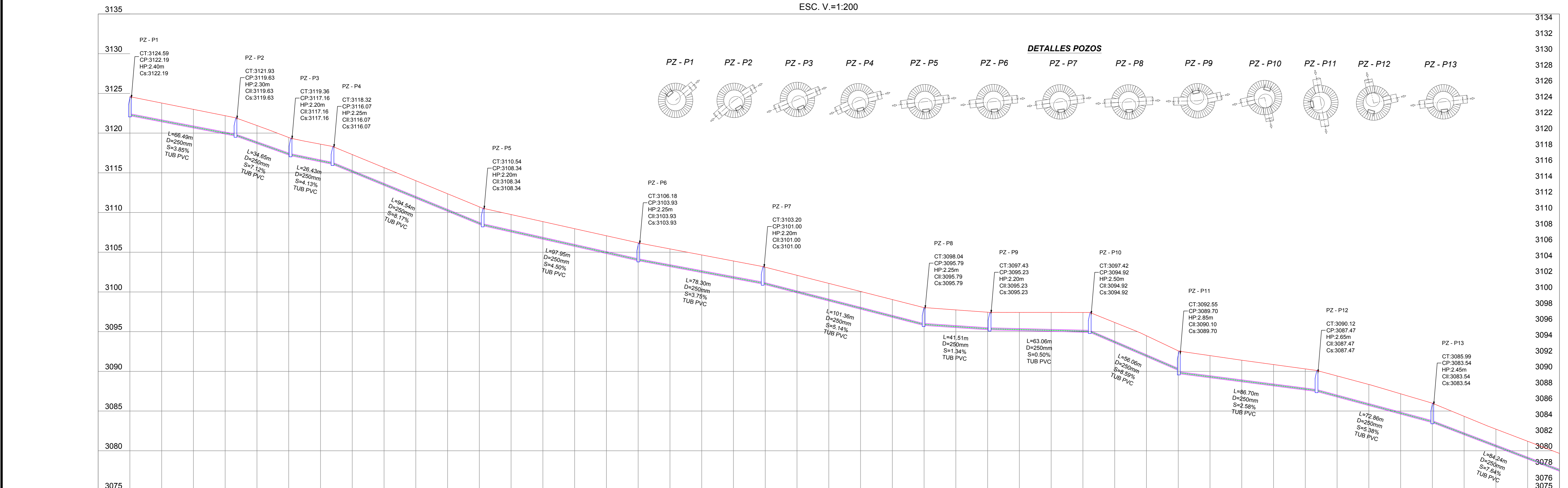
SIMBOLOGÍA

- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VIAS
- LIMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENTO
CP	COTA PROYECTO
CI	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO



PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



COTA TERRENO	COTA PROYECTO	CORTE	ABSCISA
3124.59	3122.19	2.40	0+000
3123.79	3121.42	2.37	0+020
3122.99	3120.65	2.34	0+040
3122.19	3119.88	2.31	0+060
3120.95	3118.67	2.28	0+080
3119.45	3117.24	2.21	0+100
3118.81	3116.39	2.22	0+120
3117.20	3115.05	2.24	0+140
3115.65	3113.42	2.23	0+160
3114.01	3111.79	2.22	0+180
3112.36	3110.15	2.21	0+200
3110.72	3108.52	2.20	0+220
3109.75	3107.54	2.21	0+240
3108.85	3106.64	2.22	0+260
3107.86	3105.74	2.23	0+280
3107.07	3104.83	2.24	0+300
3106.18	3103.93	2.25	0+320
3105.42	3103.18	2.24	0+340
3104.66	3102.43	2.22	0+360
3103.90	3101.69	2.21	0+380
3103.11	3100.91	2.20	0+400
3102.10	3099.88	2.21	0+420
3101.08	3098.86	2.22	0+440
3100.06	3097.83	2.23	0+460
3099.04	3096.80	2.24	0+480
3098.03	3095.76	2.25	0+500
3097.74	3095.51	2.22	0+520
3097.45	3095.25	2.20	0+540
3097.43	3095.14	2.29	0+560
3097.42	3095.04	2.38	0+580
3097.42	3094.94	2.48	0+600
3097.16	3094.85	2.59	0+620
3094.48	3091.85	2.63	0+640
3092.99	3089.90	2.69	0+660
3091.88	3088.20	2.79	0+680
3091.40	3086.66	2.72	0+700
3090.86	3085.16	2.69	0+720
3090.31	3083.65	2.66	0+740
3089.77	3082.17	2.65	0+760
3088.55	3080.69	2.66	0+780
3087.17	3079.22	2.56	0+800
3085.99	3077.76	2.45	0+820
3084.34	3076.31	2.33	0+840
3082.72	3074.86	2.24	0+860
3081.20	3073.41	2.24	0+880

RED DE ALCANTARILLADO SECTOR PALAHUA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ - P1	780336.50	9850997.58	3124.59	3119.63	3122.19
PZ - P2	780388.19	9851039.39	3121.93	3117.16	3119.63
PZ - P3	780419.35	9851054.54	3119.36	3116.07	3117.16
PZ - P4	780444.16	9851063.66	3118.32	3116.07	3116.07
PZ - P5	780538.58	9851068.45	3110.54	3108.34	3108.34
PZ - P6	780639.27	9851075.58	3106.18	3103.93	3103.93
PZ - P7	780714.36	9851081.41	3103.20	3101.00	3101.00
PZ - P8	780815.60	9851086.13	3098.04	3095.79	3095.79
PZ - P9	780857.02	9851088.93	3097.43	3095.23	3095.23
PZ - P10	780919.27	9851099.05	3097.42	3094.92	3094.92
PZ - P11	780927.65	9851043.62	3092.55	3090.10	3089.70
PZ - P12	780939.31	9850991.70	3090.12	3087.47	3087.47
PZ - P13	781012.00	9850962.74	3085.99	3083.54	3083.54
PZ - P14	781096.23	9850963.68	3079.35	3077.10	3076.70
PZ - P15	781101.16	9850998.79	3078.15	3075.90	3075.90
PZ - P16	781152.84	9850962.19	3073.56	3070.96	3070.96
PZ - P17	781189.71	9850991.57	3065.59	3062.86	3062.86
PZ - P18	781238.42	9851047.07	3058.28	3055.88	3055.88
PZ - P19	781318.83	9851058.25	3052.81	3050.81	3050.81
PZ - P20	781387.32	9851069.33	3049.60	3047.20	3047.20
PZ - P21	781403.13	9851084.42	3048.94	3046.49	3046.49
PZ - P22	781429.22	9851125.40	3046.76	3044.36	3044.36
PZ - P23	781452.01	9851146.48	3047.13	3044.63	3044.63
PZ - P24	781502.60	9851171.94	3047.64	3044.19	3044.19
PZ - P25	781542.85	9851188.84	3044.59	3041.04	3041.04
PZ - P26	781586.98	9851199.73	3037.28	3035.08	3035.08
PZ - P27	781706.93	9851264.89	3029.31	3026.91	3026.91
PZ - P28	781736.78	9851278.93	3029.38	3026.17	3026.17
PZ - P29	781754.36	9851264.73	3027.00	3024.80	3024.80
PZ - P30	781774.01	9851264.85	3027.06	3024.36	3024.36
PZ - P31	781784.04	9851168.16	3027.42	3023.62	3023.62
PZ - P32	781804.15	9851171.54	3025.47	3021.72	3021.72
PZ - P33	781868.63	9851186.30	3020.30	3019.30	3019.30
PZ - P34	781893.18	9851206.16	3014.57	3012.57	3012.57
PZ - P35	782057.72	9851227.27	3008.84	3006.04	3006.04
PZ - P36	782156.73	9851258.48	2997.75	2995.25	2995.17
PZ - P37	782236.14	9851282.08	2991.98	2989.64	2989.64
PZ - P38	782219.51	9851242.82	2987.38	2985.13	2985.05
PZ - P39	782244.23	9851244.35	2984.63	2983.43	2983.43
PZ - P40	782248.24	9851247.11	2983.63	2982.63	2982.63
PZ - P41	782300.50	9851258.82	2980.60	2981.55	2981.55
PZ - P42	782276.31	9851268.02	2982.03	2981.08	2981.08
PZ - P43	782298.19	9851261.71	2981.92	2980.62	2980.62
PZ - P44	782343.64	9851267.52	2980.63	2980.13	2979.78
PZ - P45	782385.69	9851269.85	2979.21	2977.76	2977.76
PZ - P46	782413.02	9851313.31	2978.94	2977.24	2977.24
PZ - P47	782438.94	9851333.88	2978.02	2976.92	2976.92
PZ - P48	782479.60	9851350.76	2977.03	2974.93	2974.93

G.A.D. MUNICIPAL DEL CANTON TISALEO

CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOMBAMA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTON TISALEO, PROVINCIA DE TUNGURAHUA*

CONTIENE: RED DE ALCANTARILLADO SANITARIO SECTOR PALAHUA

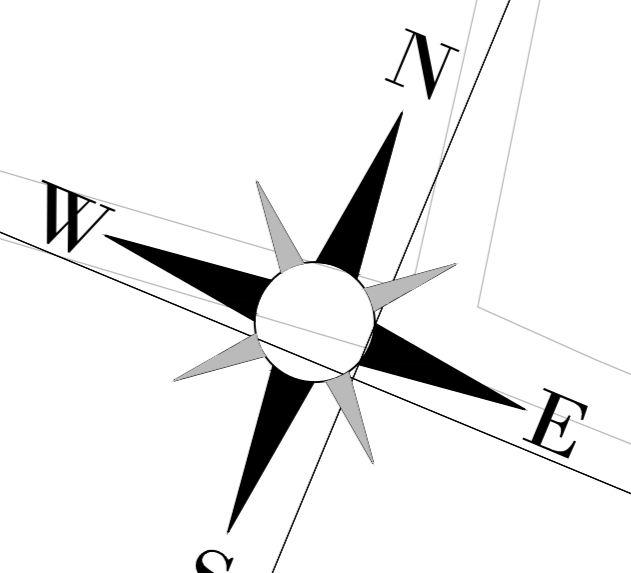
PROVINCIA: TUNGURAHUA | CANTON: TISALEO | SECTOR: SAN DIEGO

FECHA: NOVIEMBRE 2022 | ESCALA: 1:1000

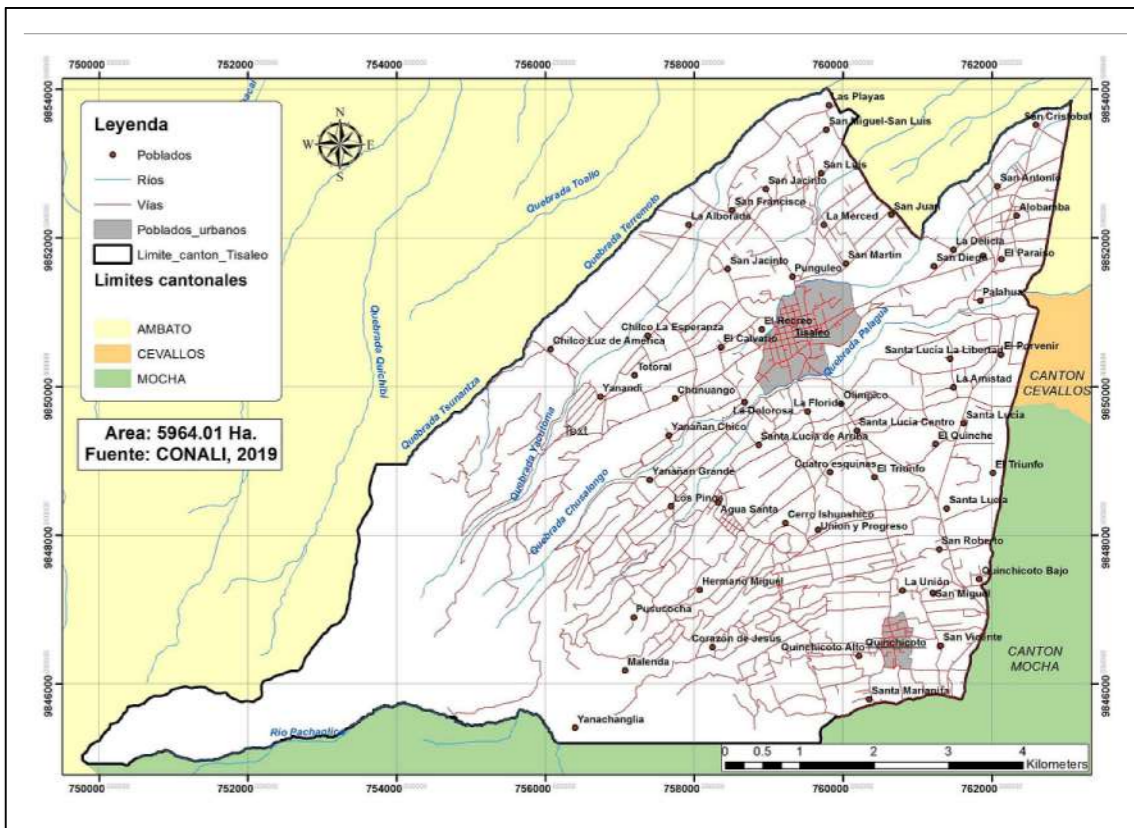
ELABORADO POR: Ing. Gato Nuñez Tutor | REVISADO POR: Ing. Gato Nuñez Tutor | APROBADO POR: Ing. Gato Nuñez Tutor

TOTAL LÁMINAS: 04 | LÁMINA 01

ALOBAMBA



UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM:
 759353.24 m E
 9850780.17 m S
ALTURA REFERENCIAL:
 3249 m

SIMBOLOGÍA

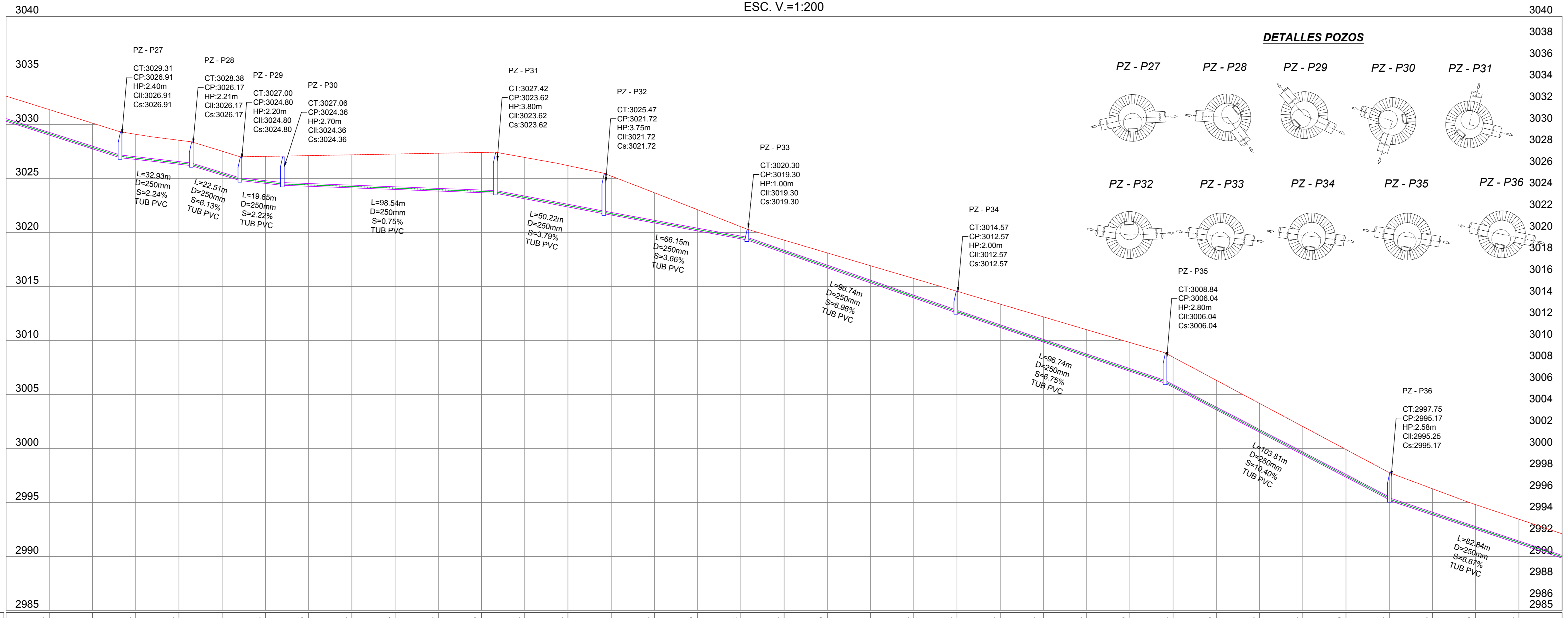
TUBERÍA PVC D = 250mm
 TUBERÍA H.S. D = 250mm
 POZO DE REVISIÓN
 PERFILES DEL TERRENO
 CALLES / VÍAS
 LÍMITES TERRITORIALES

L LONGITUD DEL TRAMO
 D / Ø DIÁMETRO DE TUBERÍA
 S GRADIENTE HIDRÁULICA
 CT COTA TERRENO
 CP COTA PROYECTO
 CIL COTA DE LLEGADA
 Cs COTA DE SALIDA
 HP ALTURA DE POZO

RED DE ALCANTARILLADO SECTOR PALAHUA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ - P1	780336.50	9850997.58	3124.59	3119.63	3122.19
PZ - P2	780388.19	9851039.39	3121.93	3119.63	3119.63
PZ - P3	780419.35	9851054.54	3119.36	3117.16	3117.16
PZ - P4	780444.16	9851063.66	3118.32	3116.07	3116.07
PZ - P5	780538.58	9851068.45	3110.54	3108.34	3108.34
PZ - P6	780639.27	9851075.58	3106.18	3103.93	3103.93
PZ - P7	780714.36	9851081.41	3103.20	3101.00	3101.00
PZ - P8	780815.60	9851086.13	3099.04	3095.79	3095.79
PZ - P9	780857.02	9851088.83	3097.43	3095.23	3095.23
PZ - P10	780919.27	9851099.05	3097.42	3094.92	3094.92
PZ - P11	780927.65	9851043.62	3092.55	3090.10	3089.70
PZ - P12	780939.31	9850997.70	3096.12	3087.47	3087.47
PZ - P13	781012.00	9850962.74	3085.99	3083.54	3083.54
PZ - P14	781096.23	9850963.68	3079.35	3077.10	3076.70
PZ - P15	781101.16	9850928.79	3078.15	3075.90	3075.90
PZ - P16	781152.84	9850962.19	3073.56	3070.96	3070.96
PZ - P17	781189.71	9850991.57	3065.59	3062.86	3062.86
PZ - P18	781238.42	9851047.07	3058.28	3055.88	3055.88
PZ - P19	781318.83	9851058.25	3052.81	3050.81	3050.81
PZ - P20	781387.32	9851069.33	3049.60	3047.20	3047.20
PZ - P21	781403.13	9851084.42	3048.94	3046.49	3046.49
PZ - P22	781429.22	9851125.40	3046.76	3044.36	3044.36
PZ - P23	781452.01	9851146.48	3047.13	3044.63	3044.63
PZ - P24	781502.60	9851171.94	3047.64	3044.19	3044.19
PZ - P25	781542.85	9851188.94	3044.59	3041.04	3041.04
PZ - P26	781586.98	9851199.73	3037.28	3035.08	3035.08
PZ - P27	781706.93	9851264.89	3029.31	3026.91	3026.91
PZ - P28	781736.78	9851278.80	3028.38	3026.17	3026.17
PZ - P29	781754.36	9851264.73	3027.00	3024.80	3024.80
PZ - P30	781774.01	9851264.85	3027.06	3024.36	3024.36
PZ - P31	781784.04	9851188.16	3027.42	3023.62	3023.62
PZ - P32	781804.15	9851171.54	3025.47	3021.72	3021.72
PZ - P33	781868.63	9851186.30	3020.30	3019.30	3019.30
PZ - P34	781863.18	9851208.79	3014.57	3012.57	3012.57
PZ - P35	782057.72	9851227.27	3008.84	3006.04	3006.04
PZ - P36	782156.73	9851258.48	2997.75	2995.25	2995.17
PZ - P37	782236.14	9851282.08	2991.98	2989.64	2989.64
PZ - P38	782219.51	9851242.82	2987.38	2985.13	2985.05
PZ - P39	782244.23	9851244.35	2984.63	2983.43	2983.43
PZ - P40	782248.24	9851247.11	2983.63	2982.63	2982.63
PZ - P41	782300.50	9851258.82	2980.60	2981.55	2981.55
PZ - P42	782276.31	9851268.02	2982.03	2981.08	2981.08
PZ - P43	782298.19	9851281.71	2981.92	2980.62	2980.62
PZ - P44	782343.64	9851297.52	2980.83	2980.13	2979.78
PZ - P45	782385.69	9851299.85	2979.21	2977.76	2977.76
PZ - P46	782413.02	9851313.31	2978.94	2977.24	2977.24
PZ - P47	782438.94	9851333.88	2979.02	2976.92	2976.92
PZ - P48	782479.60	9851350.76	2977.03	2974.93	2974.93

PERFIL LONGITUDINAL ESC. V.=1:200



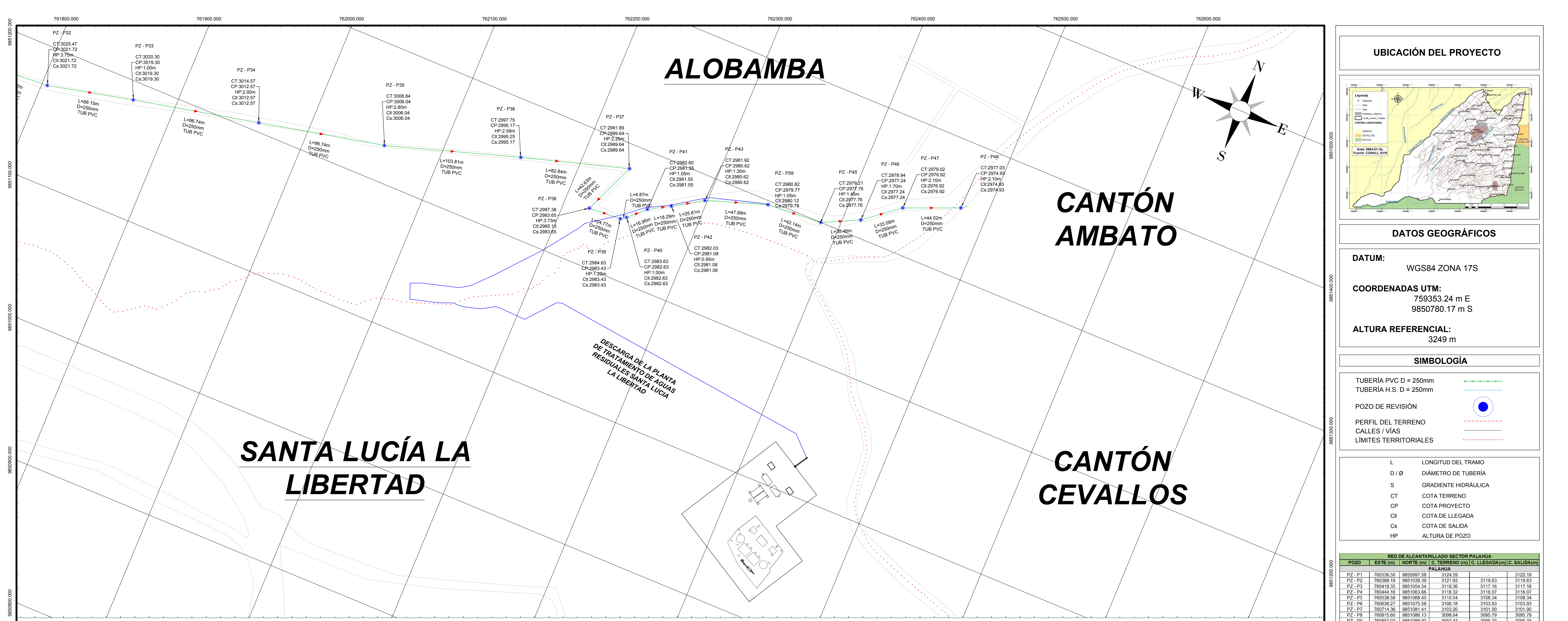
	1+620	1+640	1+660	1+680	1+700	1+720	1+740	1+760	1+780	1+800	1+820	1+840	1+860	1+880	1+900	1+920	1+940	1+960	1+980	2+000	2+020	2+040	2+060	2+080	2+100	2+120	2+140	2+160	2+180	2+200	2+220	2+240	2+260	2+280	2+300
COTA TERRENO	3021.36	3020.11	3020.08	3020.53	3020.51	3020.04	3020.10	3020.16	3020.25	3020.33	3020.67	3020.66	3020.09	3020.52	3019.40	3019.28	3018.09	3018.09	3018.09	3018.32	3018.91	3018.93	3018.54	3018.54	3018.19	3018.36	3018.17	3018.08	3018.08	3017.14	3017.00	3016.84	3016.79	3016.44	3016.44
COTA PROYECTO	3020.00	3020.73	3020.75	3020.30	3020.30	3020.30	3020.27	3020.12	3020.57	3020.62	3020.67	3020.66	3020.13	3020.52	3019.40	3019.28	3018.09	3018.09	3018.09	3018.32	3018.91	3018.93	3018.54	3018.54	3018.19	3018.36	3018.17	3018.08	3018.08	3017.14	3017.00	3016.84	3016.79	3016.44	3016.44
CORTE	2.36	2.38	2.33	2.23	2.22	2.51	2.84	3.06	3.28	3.51	3.73	3.83	3.83	3.61	2.80	1.96	1.12	1.18	1.38	1.59	1.80	2.00	2.17	2.33	2.50	2.66	2.79	2.73	2.67	2.61	2.56	2.58	2.42	2.29	2.27
ABSCISA	1+620	1+640	1+660	1+680	1+700	1+720	1+740	1+760	1+780	1+800	1+820	1+840	1+860	1+880	1+900	1+920	1+940	1+960	1+980	2+000	2+020	2+040	2+060	2+080	2+100	2+120	2+140	2+160	2+180	2+200	2+220	2+240	2+260	2+280	2+300

G.A.D. MUNICIPAL DEL CANTON TISALEO
 "CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

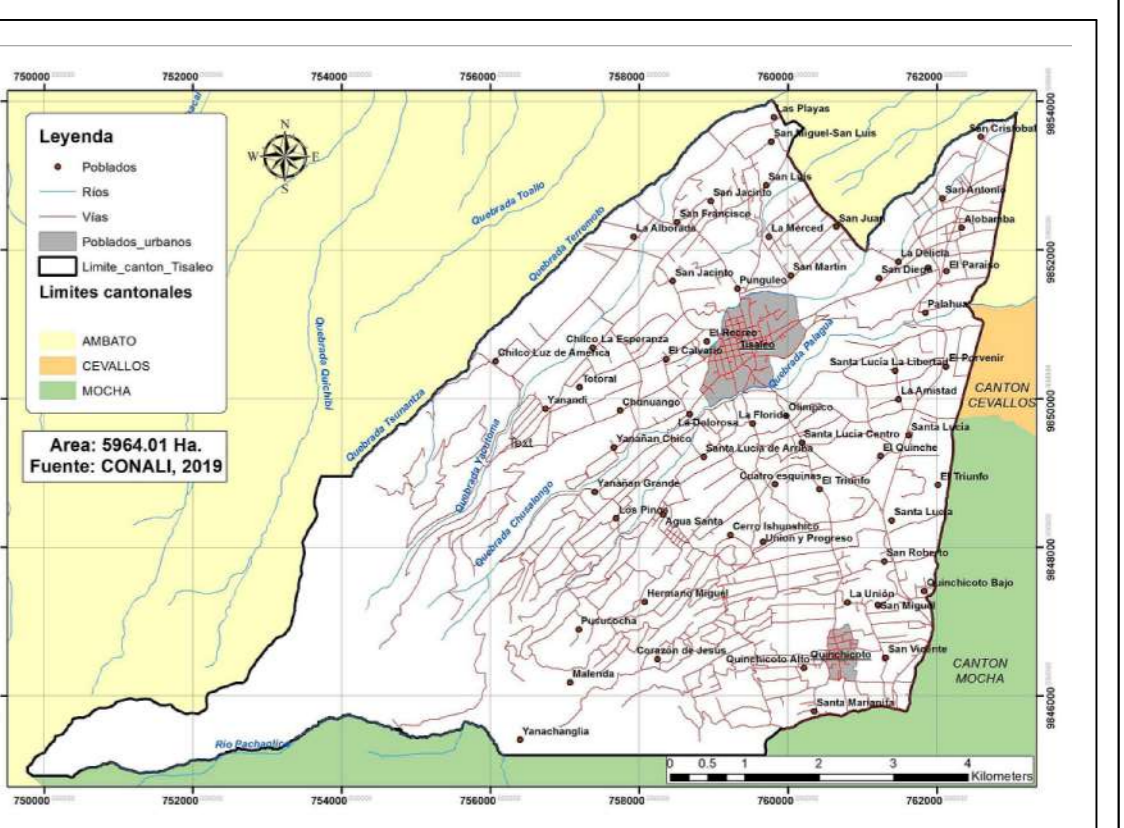
CONTIENE: RED DE ALCANTARILLADO SANITARIO SECTOR PALAHUA

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: ALOBAMBA
 FECHA: NOVIEMBRE 2022 ESCALA: 1:1000

ELABORADO POR: REVISADO POR: APROBADO POR: LÁMINA 03
 Eglis Tamez Bonita Testa Ing. Galo Núñez Tutor Ing. Galo Núñez Tutor TOTAL LÁMINAS: 04



UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

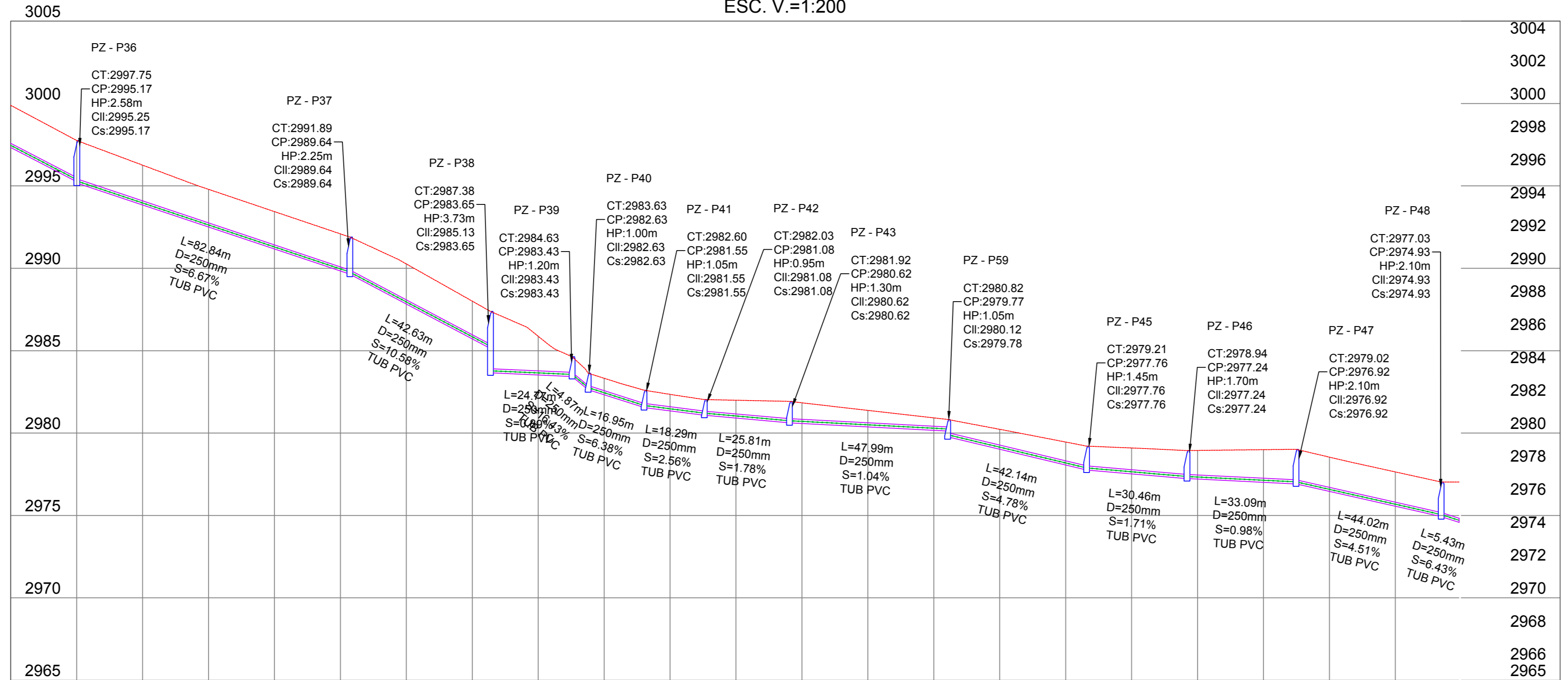
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LIMITES TERRITORIALES

- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENCO
- CP COTA PROYECTO
- CII COTA DE LLEGADA
- Cs COTA DE SALIDA
- HP ALTURA DE POZO

RED DE ALCANTARILLADO SECTOR PALAHUA

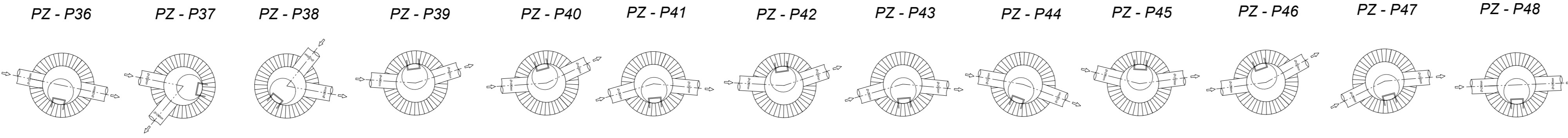
POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ - P1	780336.50	9850997.58	3124.59	3119.63	3122.19
PZ - P2	780388.19	9851039.39	3121.93	3119.63	3119.63
PZ - P3	780419.35	9851054.54	3119.36	3117.16	3117.16
PZ - P4	780444.16	9851063.66	3118.32	3116.07	3116.07
PZ - P5	780538.58	9851068.45	3110.54	3108.34	3108.34
PZ - P6	780638.27	9851075.58	3106.18	3103.93	3103.93
PZ - P7	780714.36	9851081.41	3103.20	3101.00	3101.00
PZ - P8	780815.60	9851086.13	3099.04	3095.79	3095.79
PZ - P9	780887.02	9851088.83	3097.43	3095.23	3095.23
PZ - P10	780919.27	9851099.05	3097.42	3094.92	3094.92
PZ - P11	780927.65	9851043.62	3092.55	3090.10	3089.70
PZ - P12	780939.31	985097.70	3090.12	3087.47	3087.47
PZ - P13	781012.00	9850962.74	3085.99	3083.54	3083.54
PZ - P14	781096.23	9850963.68	3079.35	3077.10	3076.70
PZ - P15	781101.16	9850928.79	3078.15	3075.90	3075.90
PZ - P16	781152.84	9850962.19	3073.56	3070.96	3070.96
PZ - P17	781189.71	9850991.57	3065.59	3062.86	3062.86
PZ - P18	781238.42	9851047.07	3058.28	3055.88	3055.88
PZ - P19	781318.83	9851058.25	3052.81	3050.81	3050.81
PZ - P20	781387.32	9851069.33	3049.60	3047.20	3047.20
PZ - P21	781403.13	9851084.42	3048.94	3046.49	3046.49
PZ - P22	781429.22	9851125.40	3046.76	3044.36	3044.36
PZ - P23	781452.01	9851146.48	3047.13	3044.63	3044.63
PZ - P24	781522.60	9851171.94	3047.64	3044.19	3044.19
PZ - P25	781542.85	9851188.94	3044.59	3041.04	3041.04
PZ - P26	781586.98	9851199.73	3037.28	3035.08	3035.08
PZ - P27	781706.93	9851264.89	3029.31	3026.91	3026.91
PZ - P28	781736.78	9851278.80	3028.38	3026.17	3026.17
PZ - P29	781754.36	9851284.73	3027.00	3024.80	3024.80
PZ - P30	781774.01	9851284.85	3027.06	3024.36	3024.36
PZ - P31	781784.04	9851288.18	3027.42	3023.62	3023.62
PZ - P32	781804.15	9851171.54	3025.47	3021.72	3021.72
PZ - P33	781868.63	9851186.30	3020.30	3019.30	3019.30
PZ - P34	781863.18	9851286.79	3014.57	3012.57	3012.57
PZ - P35	782027.72	9851227.27	3008.84	3006.04	3006.04
PZ - P36	782156.73	9851258.48	2997.75	2995.25	2995.17
PZ - P37	782236.14	9851282.08	2991.88	2989.64	2989.64
PZ - P38	782219.51	9851242.82	2987.38	2985.13	2985.05
PZ - P39	782244.23	9851244.35	2984.63	2983.43	2983.43
PZ - P40	782248.24	9851247.11	2983.63	2982.63	2982.63
PZ - P41	782300.50	9851258.82	2980.60	2981.55	2981.55
PZ - P42	782276.31	9851288.02	2982.03	2981.08	2981.08
PZ - P43	782298.19	9851281.71	2981.92	2980.62	2980.62
PZ - P44	782343.64	9851291.52	2980.83	2980.13	2979.78
PZ - P45	782385.69	9851299.85	2979.21	2977.76	2977.76
PZ - P46	782413.02	9851313.31	2978.94	2977.24	2977.24
PZ - P47	782438.94	9851333.88	2978.02	2976.92	2976.92
PZ - P48	782479.60	9851350.76	2977.03	2974.93	2974.93

PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



	2+240	2+260	2+280	2+300	2+320	2+340	2+360	2+380	2+400	2+420	2+440	2+460	2+480	2+500	2+520	2+540	2+560	2+580	2+600	2+620	2+640	2+660	2+680
COTA TERRENO	2997.76	2996.26	2994.79	2993.44	2992.09	2990.26	2988.01	2985.67	2983.33	2982.55	2981.09	2980.58	2981.84	2981.38	2980.92	2980.23	2979.46	2978.95	2978.99	2978.54	2977.64		
COTA PROYECTO	2995.18	2993.84	2992.50	2991.17	2989.84	2987.83	2985.72	2983.53	2982.32	2981.35	2980.91	2980.58	2980.38	2980.17	2979.02	2978.06	2977.53	2977.21	2977.01	2976.46	2975.56	2974.77	
CORTE	2.58	2.42	2.29	2.27	2.25	2.43	2.29	2.35	1.00	1.00	1.08	1.25	1.00	0.75	1.21	1.39	1.57	1.74	1.98	2.08	2.09		
ABSCISA	2+240	2+260	2+280	2+300	2+320	2+340	2+360	2+380	2+400	2+420	2+440	2+460	2+480	2+500	2+520	2+540	2+560	2+580	2+600	2+620	2+640	2+660	2+680

DETALLES POZOS



G.A.D. MUNICIPAL DEL CANTON TISALEO

RED DE ALCANTARILLADO SANITARIO SECTOR PALAHUA

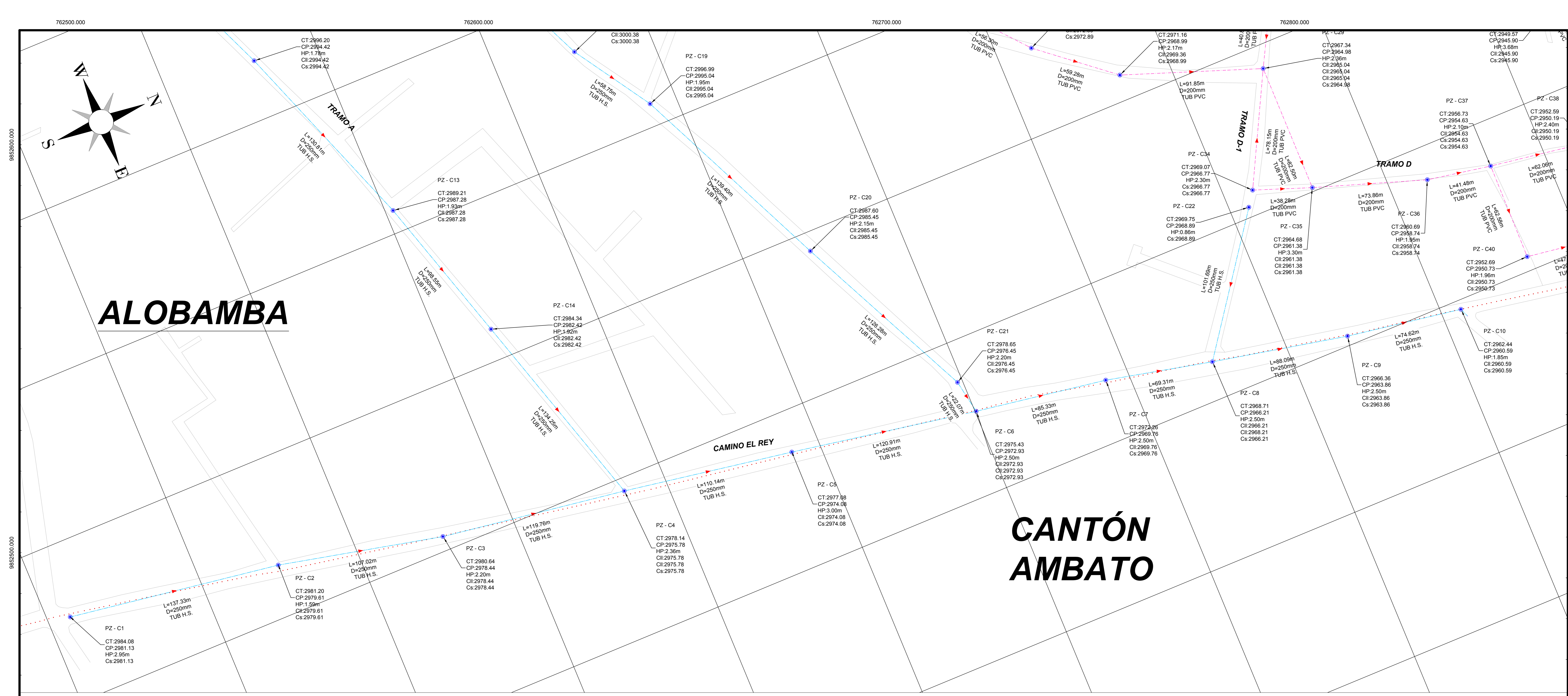
PROVINCIA: TUNGURAHUA | CANTÓN: TISALEO | SECTOR: ALOBAMBA

FECHA: NOVIEMBRE, 2022 | ESCALA: 1:1000

ELABORADO POR: Ing. Gato Núñez Tutor | REVISADO POR: Ing. Gato Núñez Tutor | APROBADO POR: Ing. Gato Núñez Tutor

TOTAL LÁMINAS: 04

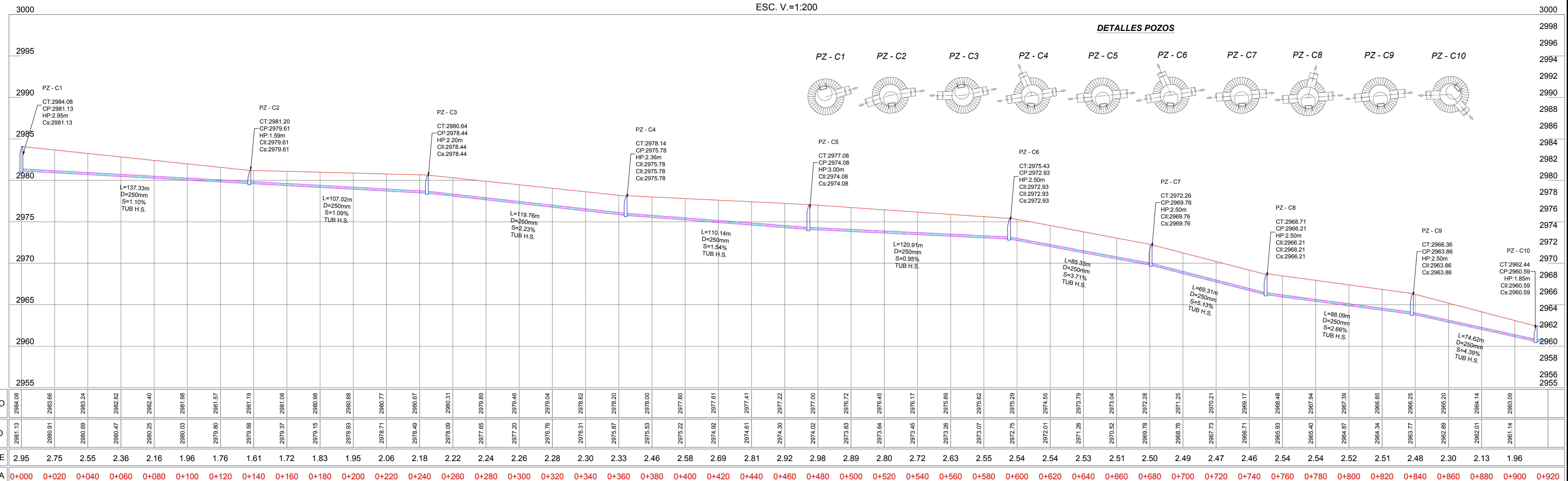
***RED DE ALCANTARILLADO
SANITARIO SAN CRISTÓBAL***



ALOBAMBA

CANTÓN AMBATO

PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



UBICACIÓN DEL PROYECTO

DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VIAS
- LIMITES TERRITORIALES

LEYENDA

- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENO
- CP COTA PROYECTO
- CIL COTA DE LLEGADA
- Cs COTA DE SALIDA
- HP ALTURA DE POZO

RED DE ALICANTARILLADO SAN CRISTOBAL

SAN CRISTOBAL - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ - C1	762847.14	9852514.30	2984.08	-	2981.13
PZ - C2	762847.42	9852550.72	2981.20	2979.61	2979.61
PZ - C3	762890.88	9852754.54	2980.64	2978.44	2978.44
PZ - C4	762908.36	9852973.02	2978.14	2975.78	2975.78
PZ - C5	762926.40	9852981.68	2977.08	2974.08	2974.08
PZ - C6	762947.46	9853100.74	2975.43	2972.93	2972.93
PZ - C7	762960.79	9853155.02	2972.26	2969.76	2969.76
PZ - C8	762976.05	9853252.63	2968.71	2966.21	2966.21
PZ - C9	762994.00	9853338.87	2966.36	2963.86	2963.86
PZ - C10	763002.88	9853472.63	2962.44	2960.59	2960.59
PZ - C25	762893.45	9853312.08	2971.31	2968.89	2968.89
PZ - C8	762976.05	9853252.63	2968.71	2966.21	2966.21

DETALLES POZOS

G.A.D. MUNICIPAL DEL CANTÓN TISALEO

"CATASTRO DE LOS SISTEMAS DE ALICANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CANTÓN SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-URQUÍ, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALICANTARILLADO SANITARIO SAN CRISTOBAL

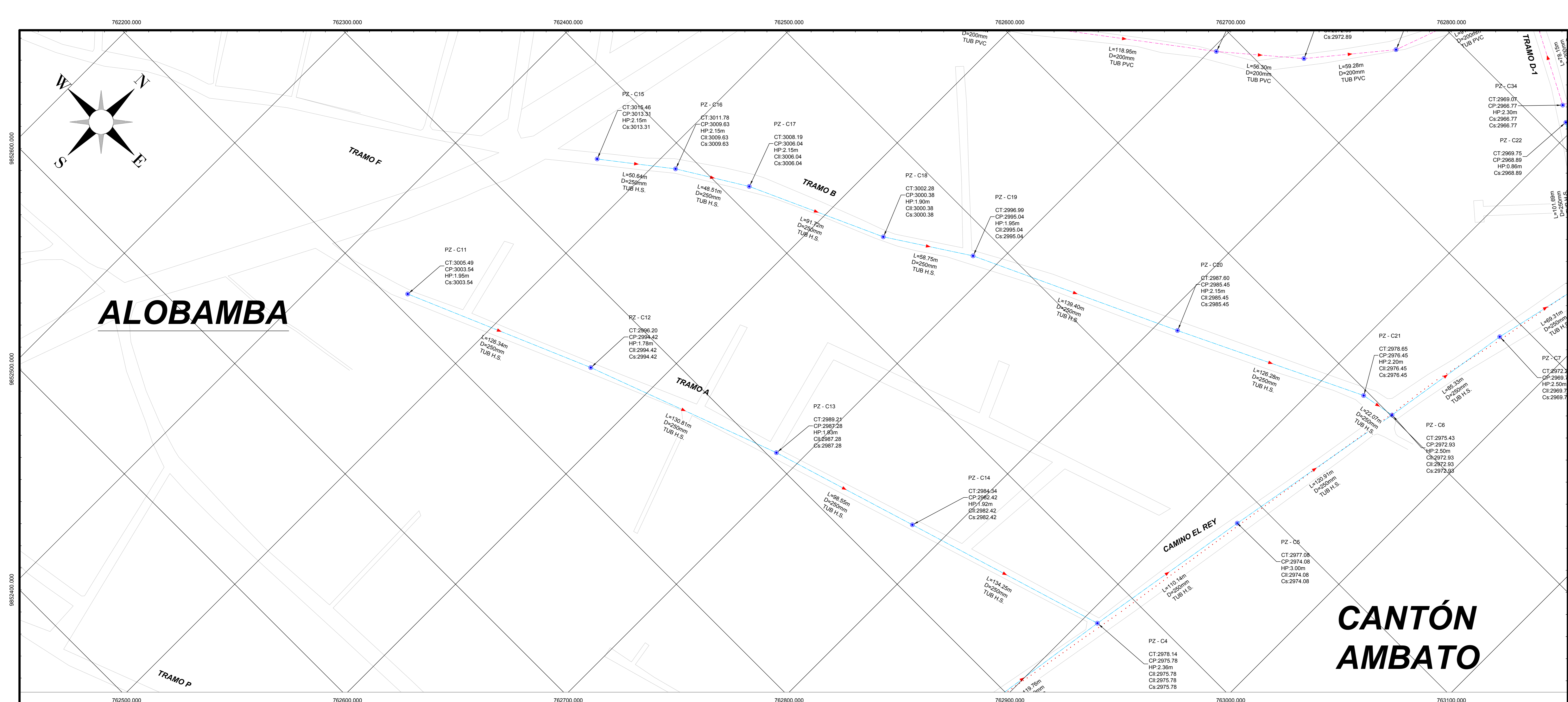
PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: ALOBAMBA

FECHA: NOVIEMBRE 2022 ESCALA: 1:1000

ELABORADO POR: REVISADO POR: APROBADO POR:

Egla Tambo Bonita Testa Ing. Gato Núñez Tutor Ing. Gato Núñez Tutor

TOTAL LÁMINAS: 06 LÁMINA 01



UBICACIÓN DEL PROYECTO

DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

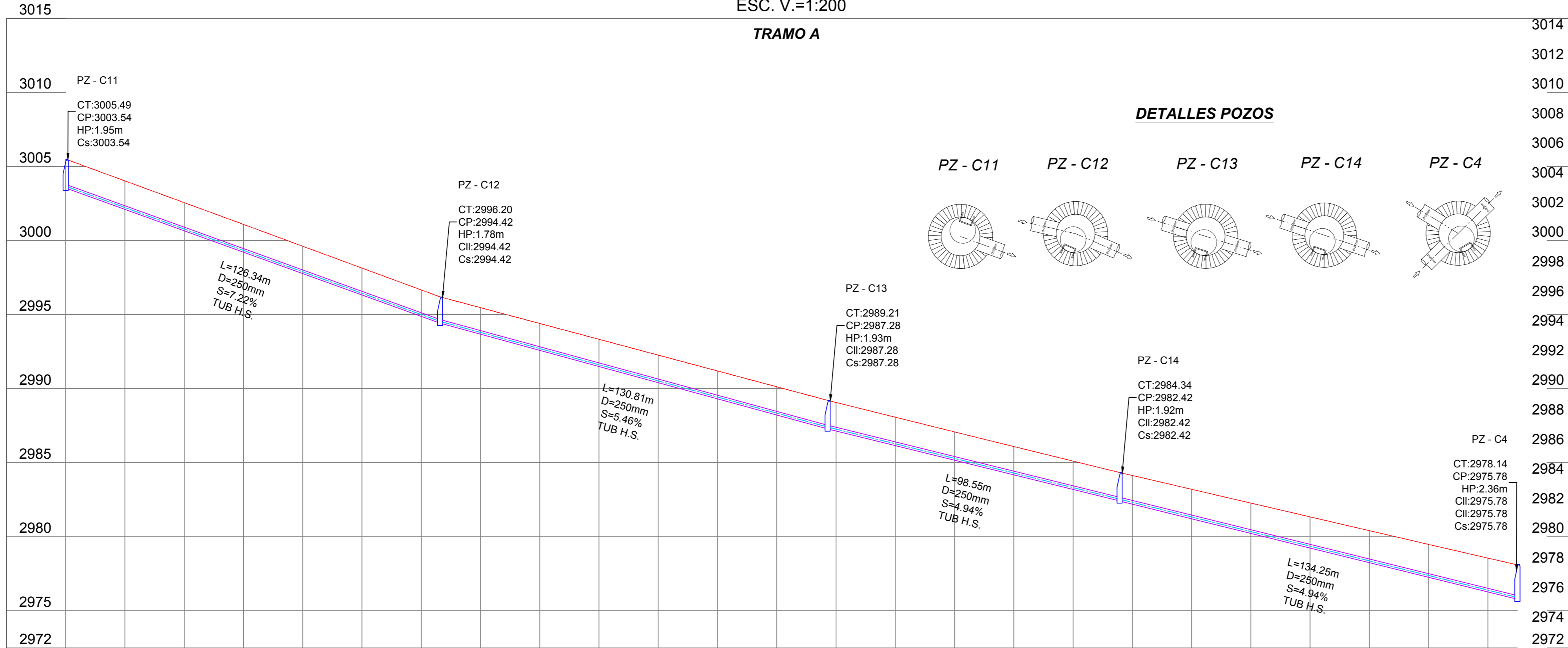
- TUBERÍA PVC D = 200mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VIAS
- LIMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CIL	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

RED DE ALCANTARILLADO SAN CRISTOBAL - ALOBAMBA

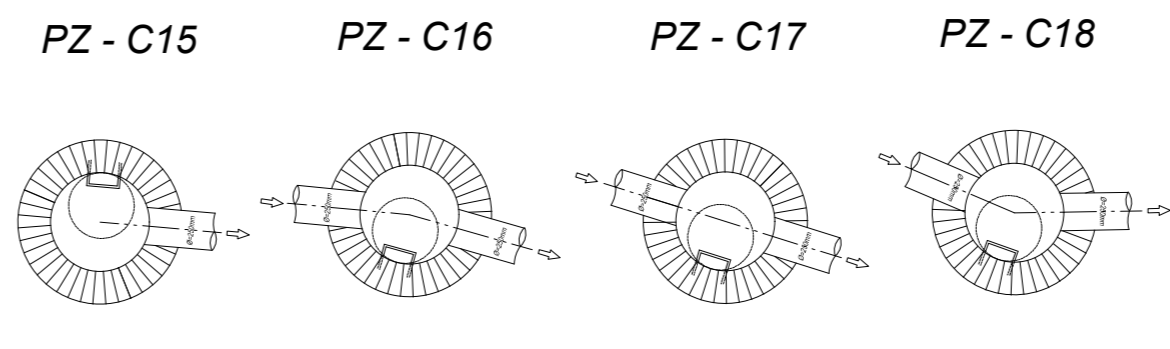
POZO	NORTE (m)	ESTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ - C1	762847.14	9852514.30	2984.08	-	2981.13
PZ - C2	762847.42	9852514.30	2981.20	2979.61	2979.61
PZ - C3	762890.88	9852754.54	2980.64	2978.44	2978.44
PZ - C4	762908.36	9852973.02	2978.14	2975.78	2975.78
PZ - C5	762908.40	9852981.68	2977.08	2974.08	2974.08
PZ - C6	762947.46	9853100.74	2975.43	2972.93	2972.93
PZ - C7	762960.79	9853185.92	2972.26	2969.16	2969.16
PZ - C8	762976.05	9853252.63	2968.71	2966.21	2966.21
PZ - C9	762984.00	9853338.87	2966.36	2963.86	2963.86
PZ - C10	763002.88	9853412.53	2962.44	2960.59	2960.59
PZ - C11	762846.88	9852709.88	3005.49	-	3003.54
PZ - C12	762863.10	9852759.43	2996.20	2994.42	2994.42
PZ - C13	762882.14	9852804.83	2989.21	2987.38	2987.38
PZ - C14	762779.56	9852833.82	2984.34	2982.42	2982.42
PZ - C15	762908.36	9852873.02	2978.14	2975.78	2975.78

PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200

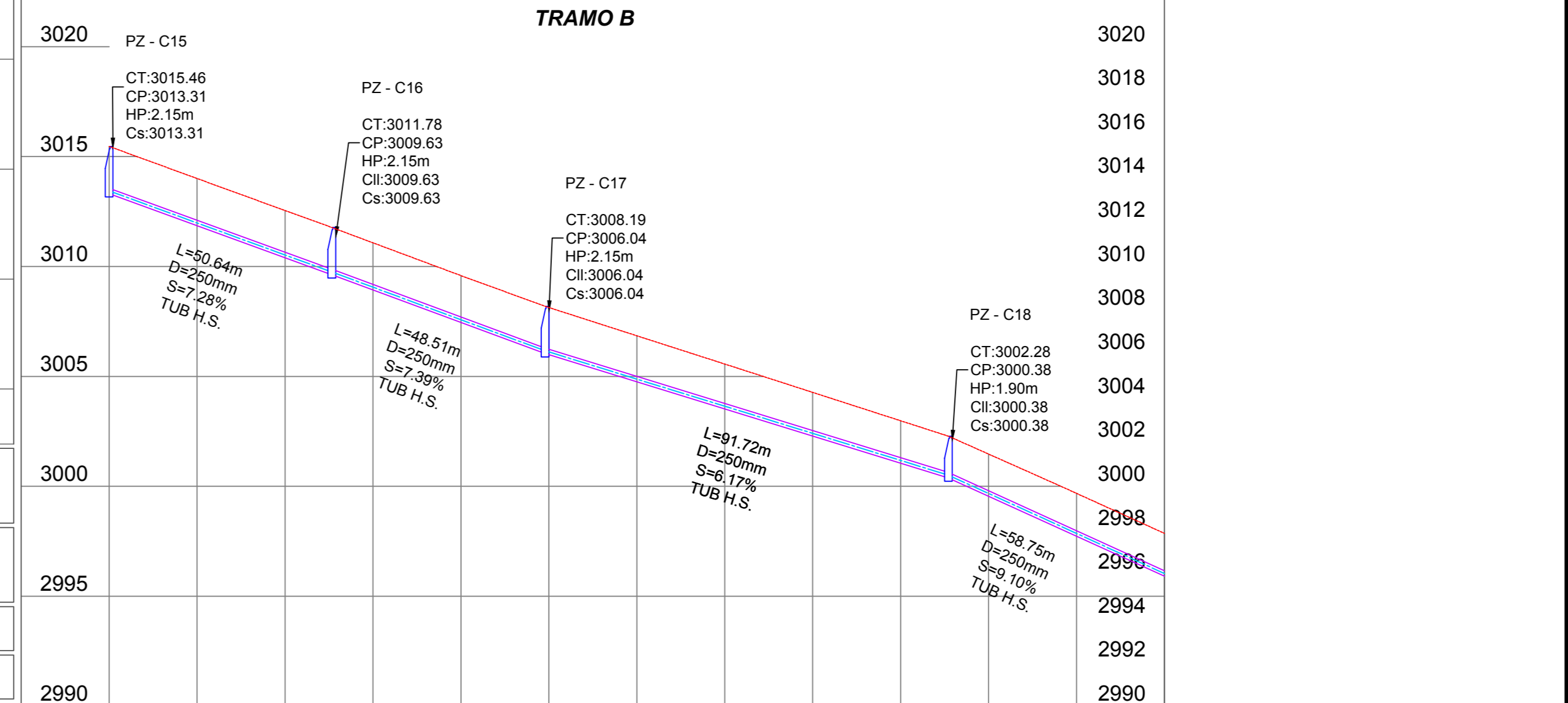


COTA TERRENO	3005.49	3004.02	3002.56	3001.09	2999.61	2998.14	2996.66	2995.17	2993.69	2992.20	2990.72	2989.24	2987.76	2986.28	2984.80	2983.32	2981.84	2980.36	2978.88	2977.40	2975.92	2974.44	
COTA PROYECTO	3003.54	3002.10	3000.65	2999.21	2997.76	2996.32	2994.87	2993.42	2991.97	2990.52	2989.07	2987.62	2986.17	2984.72	2983.27	2981.82	2980.37	2978.92	2977.47	2976.02	2974.57	2973.12	2971.67
CORTE	1.95	1.93	1.90	1.88	1.85	1.82	1.79	1.80	1.82	1.84	1.86	1.89	1.91	1.93	1.92	1.91	1.92	1.93	1.99	2.05	2.11	2.16	2.22
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440

DETALLES POZOS



PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



COTA TERRENO	3015.46	3014.00	3012.55	3011.09	3009.64	3008.18	3006.72	3005.26	3003.80	3002.34	3000.88	2999.42	2997.96	2996.50	2995.04	2993.58	2992.12	2990.66	2989.20	2987.74	2986.28	2984.82	2983.36
COTA PROYECTO	3013.31	3011.86	3010.41	3008.96	3007.51	3006.06	3004.61	3003.16	3001.71	3000.26	3000.00	2998.55	2997.10	2995.65	2994.20	2992.75	2991.30	2989.85	2988.40	2986.95	2985.50	2984.05	2982.60
CORTE	2.15	2.15	2.15	2.14	2.13	2.15	2.10	2.04	1.99	1.93	1.92	1.95											
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220											

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEORREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN CRISTOBAL - ALOBAMBA

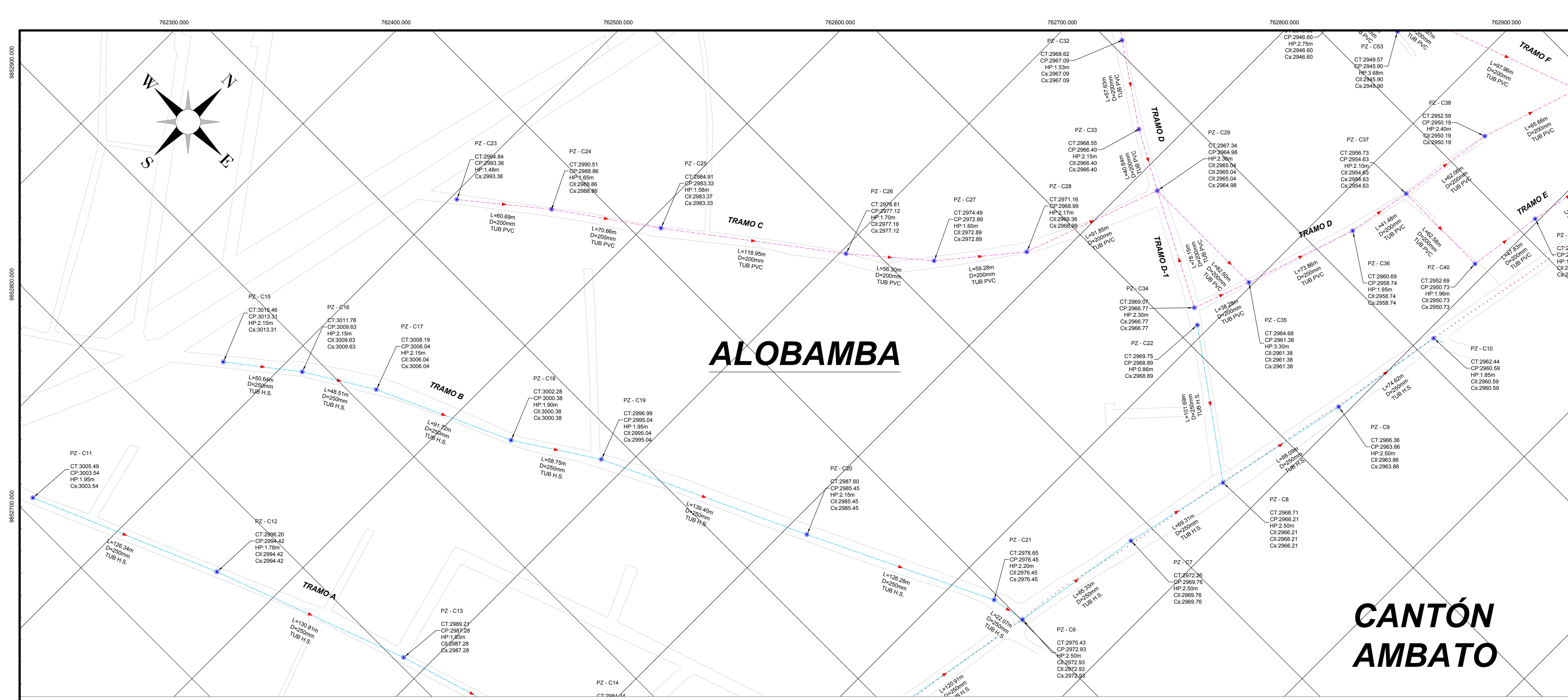
PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: ALOBAMBA

FECHA: NOVIEMBRE 2022 ESCALA: 1:1000

ELABORADO POR: REVISADO POR: APROBADO POR:

Egita Tambo Bonita Testa Ing. Gato Núñez Tutor Ing. Gato Núñez Tutor

TOTAL LÁMINAS: 06



UBICACIÓN DEL PROYECTO

DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

TUBERÍA PVC D = 200mm
TUBERÍA H.S. D = 250mm

POZO DE REVISIÓN

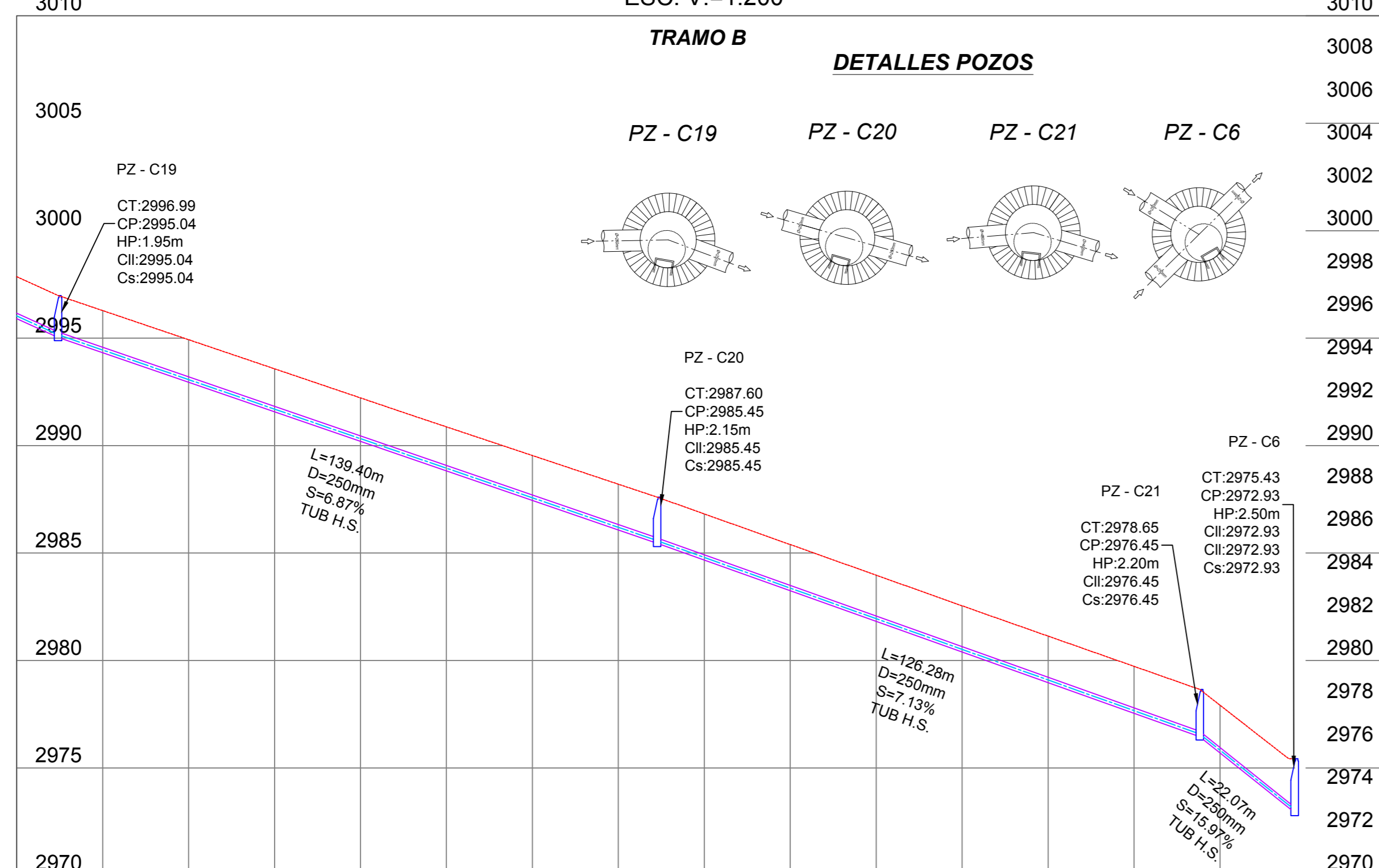
PERFIL DEL TERRENO
CALLES / VÍAS
LÍMITES TERRITORIALES

ALOBAMBA

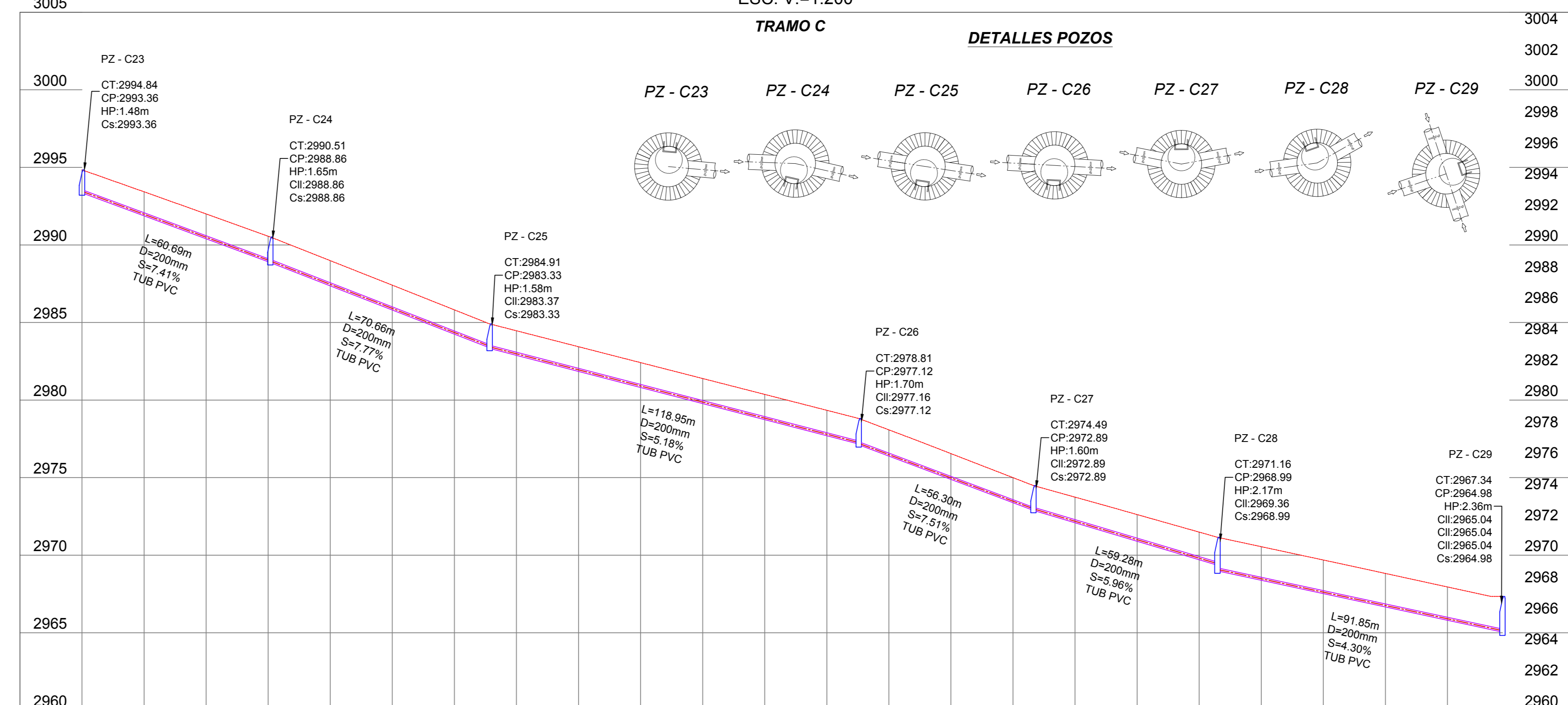
CANTÓN AMBATO

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ - C1	762847.14	9852514.30	2984.08	-	2981.13
PZ - C2	762847.42	9852514.30	2984.08	2979.61	2979.61
PZ - C3	762890.88	9852754.54	2980.64	2978.44	2978.44
PZ - C4	762908.36	9852973.02	2978.14	2975.78	2975.78
PZ - C5	762926.40	9852981.68	2977.08	2974.08	2974.08
PZ - C6	762947.46	9853100.74	2975.43	2972.93	2972.93
PZ - C7	762960.79	9853155.92	2972.26	2969.76	2969.76
PZ - C8	762976.05	9853252.63	2968.71	2966.21	2966.21
PZ - C9	762994.00	9853338.87	2966.36	2963.86	2963.86
PZ - C10	763002.88	9853412.63	2962.44	2960.59	2960.59
PZ - C11	763046.88	9853709.88	3005.49	-	3003.54
PZ - C12	762863.10	9852759.43	2956.20	2954.42	2954.42
PZ - C13	762882.14	9852854.63	2959.51	2957.28	2957.28
PZ - C14	762779.56	9852833.82	2984.34	2982.42	2982.42
PZ - C15	762936.38	9852873.02	2978.14	2975.78	2975.78
PZ - C16	762871.47	9852856.82	3015.48	-	3013.31
PZ - C17	762811.47	9852887.87	3011.78	3009.63	3009.63
PZ - C18	762852.80	9852913.27	3008.19	3006.04	3006.04
PZ - C19	762836.34	9852951.14	3002.28	3000.38	3000.38
PZ - C20	762845.68	9852981.17	2996.99	2995.04	2995.04
PZ - C21	762812.01	9853041.90	2987.60	2985.45	2985.45
PZ - C22	762822.14	9853066.71	2978.65	2976.45	2976.45
PZ - C23	762947.46	9853100.74	2975.43	2972.93	2972.93
PZ - C24	762908.36	9853155.92	2972.26	2969.76	2969.76
PZ - C25	762926.40	9853252.63	2968.71	2966.21	2966.21
PZ - C26	762947.46	9853338.87	2966.36	2963.86	2963.86
PZ - C27	762960.79	9853412.63	2962.44	2960.59	2960.59
PZ - C28	762976.05	9853496.38	2958.62	2956.40	2956.40
PZ - C29	762994.00	9853580.09	2954.86	2952.58	2952.58
PZ - C30	763012.05	9853663.80	2951.12	2948.84	2948.84
PZ - C31	763030.10	9853747.51	2947.38	2945.15	2945.15
PZ - C32	763048.15	9853829.22	2943.64	2941.41	2941.41
PZ - C33	763066.20	9853912.93	2939.90	2937.67	2937.67
PZ - C34	763084.25	9853996.64	2936.16	2933.93	2933.93
PZ - C35	763102.30	9854080.35	2932.42	2930.19	2930.19
PZ - C36	763120.35	9854164.06	2928.68	2926.45	2926.45
PZ - C37	763138.40	9854247.77	2924.94	2922.71	2922.71
PZ - C38	763156.45	9854331.48	2921.20	2918.97	2918.97
PZ - C39	763174.50	9854415.19	2917.46	2915.23	2915.23
PZ - C40	763192.55	9854498.90	2913.72	2911.49	2911.49
PZ - C41	763210.60	9854582.61	2910.00	2907.75	2907.75
PZ - C42	763228.65	9854666.32	2906.26	2904.01	2904.01
PZ - C43	763246.70	9854750.03	2902.52	2900.27	2900.27
PZ - C44	763264.75	9854833.74	2898.78	2896.53	2896.53
PZ - C45	763282.80	9854917.45	2895.04	2892.79	2892.79
PZ - C46	763300.85	9855001.16	2891.30	2889.05	2889.05
PZ - C47	763318.90	9855084.87	2887.56	2885.31	2885.31
PZ - C48	763336.95	9855168.58	2883.82	2881.57	2881.57
PZ - C49	763355.00	9855252.29	2880.08	2877.83	2877.83
PZ - C50	763373.05	9855336.00	2876.34	2874.09	2874.09
PZ - C51	763391.10	9855419.71	2872.60	2870.35	2870.35
PZ - C52	763409.15	9855503.42	2868.86	2866.61	2866.61
PZ - C53	763427.20	9855587.13	2865.12	2862.87	2862.87
PZ - C54	763445.25	9855665.84	2861.38	2859.13	2859.13
PZ - C55	763463.30	9855749.55	2857.64	2855.39	2855.39
PZ - C56	763481.35	9855833.26	2853.90	2851.65	2851.65
PZ - C57	763499.40	9855916.97	2850.16	2847.91	2847.91
PZ - C58	763517.45	9856000.68	2846.42	2844.17	2844.17
PZ - C59	763535.50	9856084.39	2842.68	2840.43	2840.43
PZ - C60	763553.55	9856168.10	2838.94	2836.69	2836.69
PZ - C61	763571.60	9856251.81	2835.20	2832.95	2832.95
PZ - C62	763589.65	9856335.52	2831.46	2829.21	2829.21
PZ - C63	763607.70	9856419.23	2827.72	2825.47	2825.47
PZ - C64	763625.75	9856502.94	2823.98	2821.73	2821.73
PZ - C65	763643.80	9856586.65	2820.24	2817.99	2817.99
PZ - C66	763661.85	9856670.36	2816.50	2814.25	2814.25
PZ - C67	763679.90	9856754.07	2812.76	2810.51	2810.51
PZ - C68	763697.95	9856837.78	2809.02	2806.77	2806.77
PZ - C69	763716.00	9856921.49	2805.28	2803.03	2803.03
PZ - C70	763734.05	9857005.20	2801.54	2799.29	2799.29
PZ - C71	763752.10	9857088.91	2797.80	2795.55	2795.55
PZ - C72	763770.15	9857172.62	2794.06	2791.81	2791.81
PZ - C73	763788.20	9857256.33	2790.32	2788.07	2788.07
PZ - C74	763806.25	9857340.04	2786.58	2784.33	2784.33
PZ - C75	763824.30	9857423.75	2782.84	2780.59	2780.59
PZ - C76	763842.35	9857507.46	2779.10	2776.85	2776.85
PZ - C77	763860.40	9857591.17	2775.36	2773.11	2773.11
PZ - C78	763878.45	9857674.88	2771.62	2769.37	2769.37
PZ - C79	763896.50	9857758.59	2767.88	2765.63	2765.63
PZ - C80	763914.55	9857842.30	2764.14	2761.89	2761.89
PZ - C81	763932.60	9857926.01	2760.40	2758.15	2758.15
PZ - C82	763950.65	9858009.72	2756.66	2754.41	2754.41
PZ - C83	763968.70	9858093.43	2752.92	2750.67	2750.67
PZ - C84	763986.75	9858177.14	2749.18	2746.93	2746.93
PZ - C85	764004.80	9858260.85	2745.44	2743.19	2743.19
PZ - C86	764022.85	9858344.56	2741.70	2739.45	2739.45
PZ - C87	764040.90	9858428.27	2737.96	2735.71	2735.71
PZ - C88	764058.95	9858511.98	2734.22	2731.97	2731.97
PZ - C89	764077.00	9858595.69	2730.48	2728.23	2728.23
PZ - C90	764095.05	9858679.40	2726.74	2724.49	2724.49
PZ - C91	764113.10	9858763.11	2723.00	2720.75	2720.75
PZ - C92	764131.15	9858846.82	2719.26	2717.01	2717.01
PZ - C93	764149.20	9858930.53	2715.52	2713.27	2713.27
PZ - C94	764167.25	9859014.24	2711.78	2709.53	2709.53
PZ - C95	764185.30	9859097.95	2708.04	2705.79	2705.79
PZ - C96	764203.35	9859181.66	2704.30	2702.05	2702.05
PZ - C97	764221.40	9859265.37	2700.56	2698.31	2698.31
PZ - C98	764239.45	9859349.08	2696.82	2694.57	2694.57
PZ - C99	764257.50	9859432.79	2693.08	2690.83	2690.83
PZ - C100	764275.55	9859516.50	2689.34	2687.09	2687.09

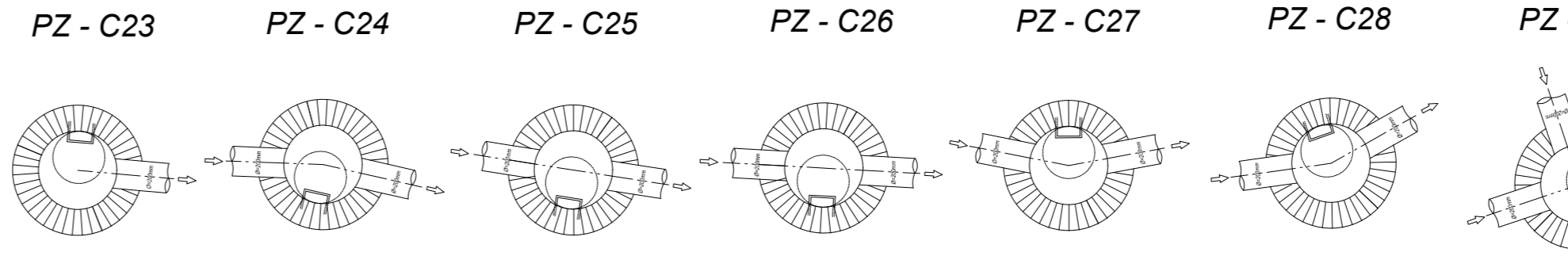
PERFIL LONGITUDINAL ESC. H = 1:1000 ESC. V = 1:200



PERFIL LONGITUDINAL ESC. H = 1:1000 ESC. V = 1:200



DETALLES POZOS



COTA TERRENO	COTA PROYECTO	CORTE	ABSCISA
2986.28	2984.32	1.96	0+260
2984.93	2982.95	1.98	0+280
2983.57	2981.57	2.00	0+300
2982.22	2980.20	2.02	0+320
2980.87	2978.82	2.05	0+340
2979.54	2977.45	2.09	0+360
2978.20	2976.07	2.13	0+380
2976.82	2974.67	2.15	0+400
2975.45	2973.28	2.15	0+420
2974.08	2971.82	2.15	0+440
2972.71	2970.39	2.15	0+460
2971.34	2968.97	2.17	0+480
2969.97	2967.54	2.19	0+500
2968.60	2966.10	2.22	0+520
2967.23	2964.67		0+540

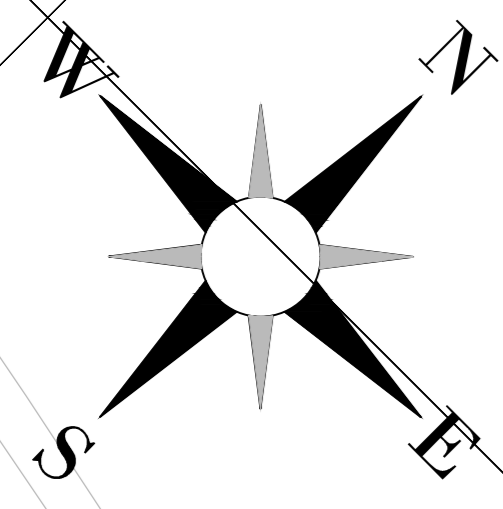
COTA TERRENO	COTA PROYECTO	CORTE	ABSCISA
2984.04	2983.36	1.48	0+000
2983.42	2982.74	1.55	0+020
2982.80	2982.10	1.60	0+040
2982.18	2981.46	1.65	0+060
2981.56	2980.82	1.62	0+080
2980.94	2980.18	1.60	0+100
2980.32	2979.54	1.58	0+120
2979.70	2978.90	1.59	0+140
2979.08	2978.26	1.60	0+160
2978.46	2977.62	1.60	0+180
2977.84	2976.98	1.62	0+200
2977.22	2976.34	1.63	0+220
2976.60	2975.70	1.64	0+240
2975.98	2975.06	1.69	0+260
2975.36	2974.42	1.66	0+280
2974.74	2973.78	1.62	0+300
2974.12	2973.14	1.65	0+320
2973.50	2972.50	1.72	0+340
2972.88	2971.86	1.65	0+360
2972.26	2971.22	1.78	0+380
2971.64	2970.58	2.17	0+400
2971.02	2969.94	2.17	0+420
2970.40	2969.30	2.16	0+440
2969.78	2968.66	2.15	0+460

RED DE ALCANTARILLADO SAN CRISTOBAL

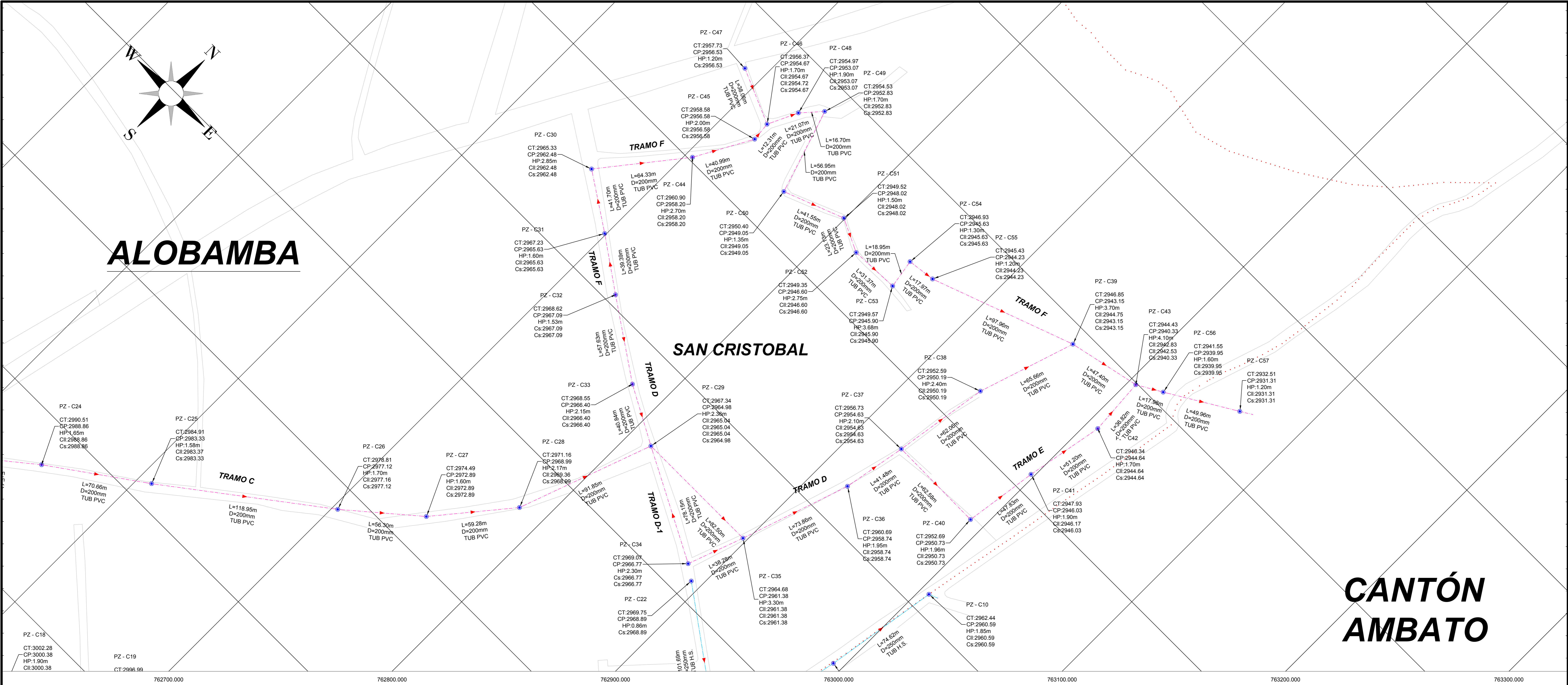
SAN CRISTOBAL - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ - C1	762847.14	9852514.30	2984.08	-	2981.13
PZ - C2	762847.42	9852514.30	2984.08	2979.61	2979.61
PZ - C3	762890.88	9852754.54	2980.64	2978.44	2978.44
PZ - C4	762908.36	9852973.02	2978.14	2975.78	2975.78
PZ - C5	762926.40	9852981.68	2977.08	2974.08	2974.08
PZ - C6	762947.46	9853100.74	2975.43	2972.93	2972.93
PZ - C7	762960.79	9853155.92	2972.26	2969.76	2969.76
PZ - C8	762976.05	9853252.63	2968.71	2966.21	2966.21
PZ - C9	762994.00	9853338.87	2966.36	2963.86	2963.86
PZ - C10	763002.88	9853412.63	2962.44	2960.59	2960.59
PZ - C11	763046.88	9853709.88	3005.49	-	3003.54
PZ - C12	762863.10	9852759.43	2956.20	2954.42	2954.42
PZ - C13	762882.14	9852854.63	2959.51	2957.28	2957.28
PZ - C14	762779.56	9852833.82	2984		

762400.000 762500.000 762600.000 762700.000 762800.000 762900.000 763000.000



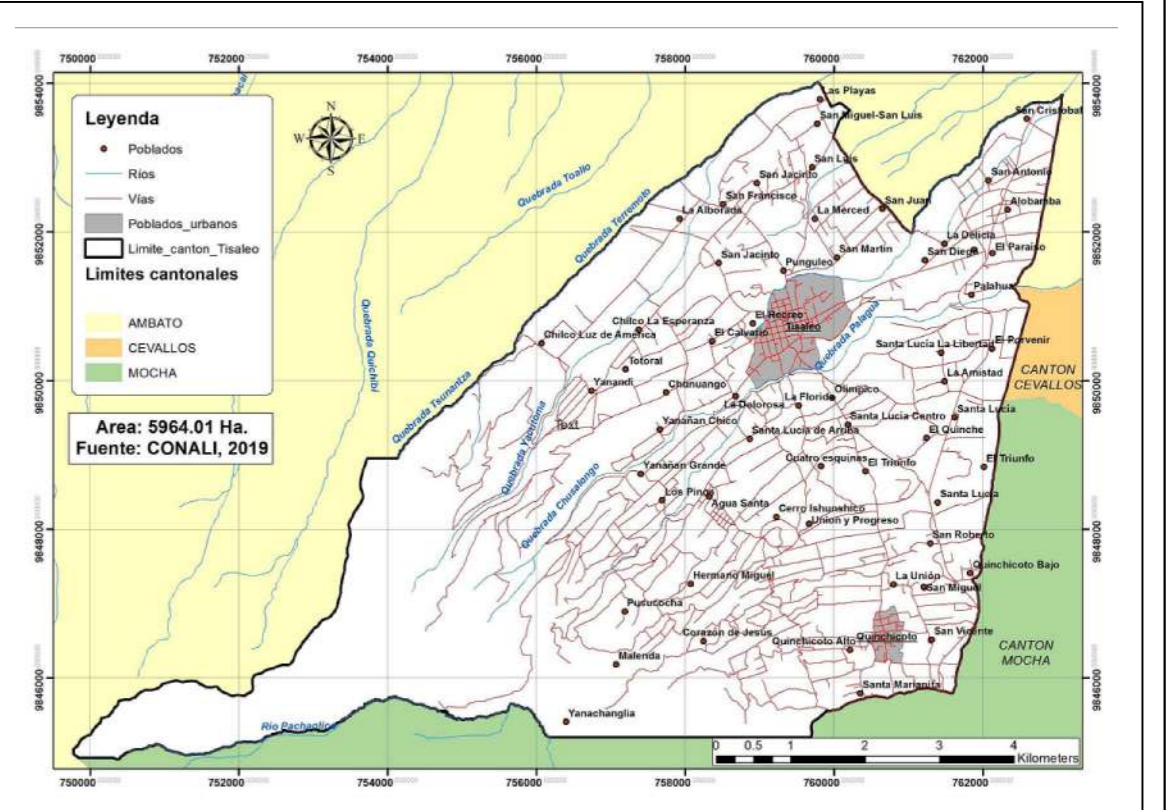
ALOBAMBA



SAN CRISTOBAL

CANTÓN AMBATO

UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E
9850780.17 m S
ALTURA REFERENCIAL: 3249 m

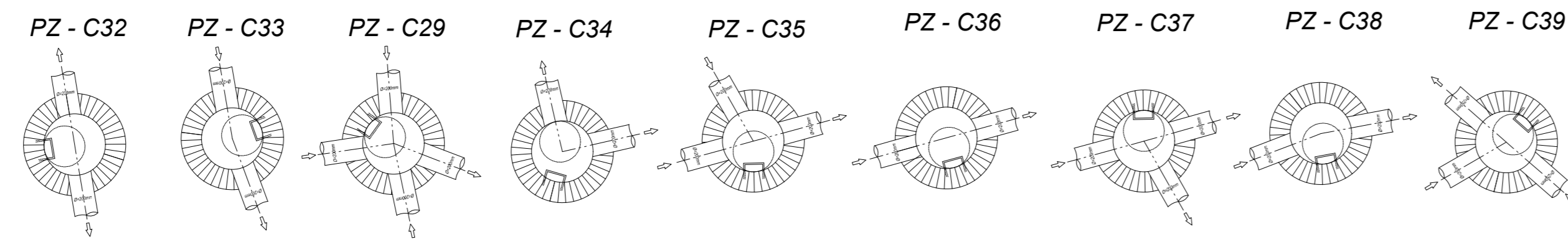
SIMBOLOGÍA

- TUBERÍA PVC D = 200mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LIMITES TERRITORIALES

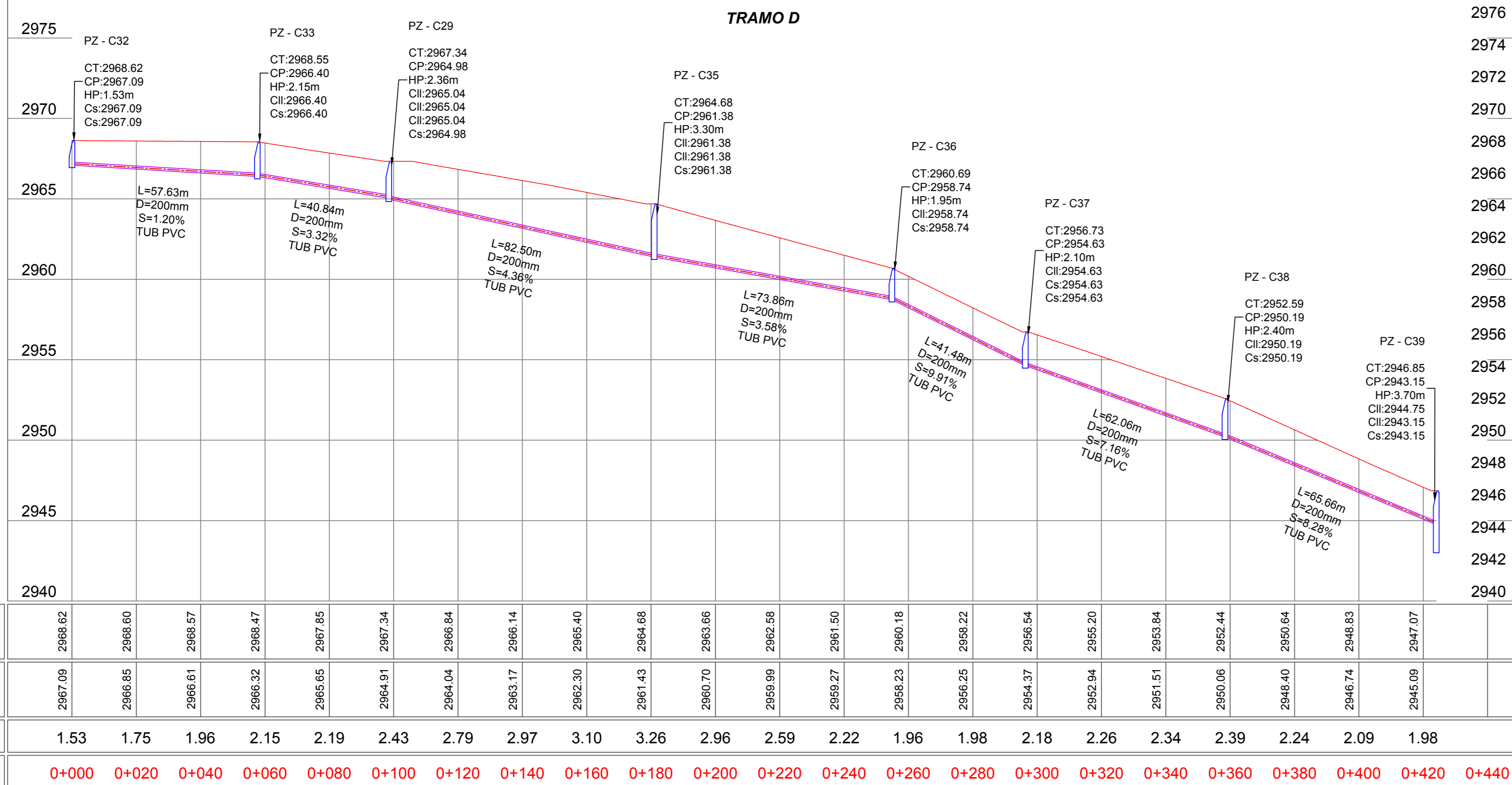
- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENO
- CP COTA PROYECTO
- CIL COTA DE LLEGADA
- Cs COTA DE SALIDA
- HP ALTURA DE POZO

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
SAN CRISTOBAL - ALOBAMBA					
PZ - C1	762847.14	9862514.30	2984.08	-	2981.13
PZ - C2	762847.42	9862550.32	2981.20	2979.61	2979.61
PZ - C3	762890.88	9862754.54	2980.64	2978.44	2978.44
PZ - C4	762908.36	9862973.02	2978.14	2975.78	2975.78
PZ - C5	762908.40	9863091.68	2977.08	2974.08	2974.08
PZ - C6	762947.46	9863100.74	2975.43	2972.93	2972.93
PZ - C7	762960.79	9863185.92	2972.58	2969.16	2969.16
PZ - C8	762976.05	9863252.63	2968.71	2966.21	2966.21
PZ - C9	762994.00	9863338.67	2966.36	2963.86	2963.86
PZ - C10	763002.88	9863412.63	2962.44	2960.59	2960.59
PZ - C11	762883.65	9863312.08	2971.31	2968.88	2968.88
PZ - C12	762976.05	9863252.63	2968.71	2966.21	2966.21
TRAMO A					
PZ - C13	762446.88	9862709.88	3005.49	-	3003.54
PZ - C14	762863.10	9862759.43	2996.20	2994.42	2994.42
PZ - C15	762883.14	9863054.83	2999.51	2997.38	2997.38
PZ - C16	762779.96	9862833.82	2984.34	2982.42	2982.42
PZ - C17	762908.36	9862873.02	2978.14	2975.78	2975.78
TRAMO B					
PZ - C18	762471.47	9862856.82	3015.48	-	3013.31
PZ - C19	762811.47	9863087.87	3011.78	3009.63	3009.63
PZ - C20	762552.80	9862913.27	3008.19	3006.04	3006.04
PZ - C21	762836.34	9862951.14	3002.28	3000.38	3000.38
PZ - C22	762883.65	9863093.17	2996.99	2995.04	2995.04
PZ - C23	762812.01	9863041.90	2987.60	2985.45	2985.45
PZ - C24	762822.14	9863096.17	2978.65	2976.45	2976.45
PZ - C25	762947.46	9863100.74	2975.43	2972.93	2972.93
TRAMO C					
PZ - C26	762503.48	9863035.32	2994.84	-	2993.38
PZ - C27	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C28	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C29	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C30	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C31	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C32	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C33	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C34	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C35	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C36	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C37	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C38	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C39	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C40	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C41	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C42	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C43	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C44	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C45	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C46	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C47	762503.48	9863035.32	2994.84	2993.38	2993.38
PZ - C48	762503.48	9863035.32	2994.84	2993.38	2993.38

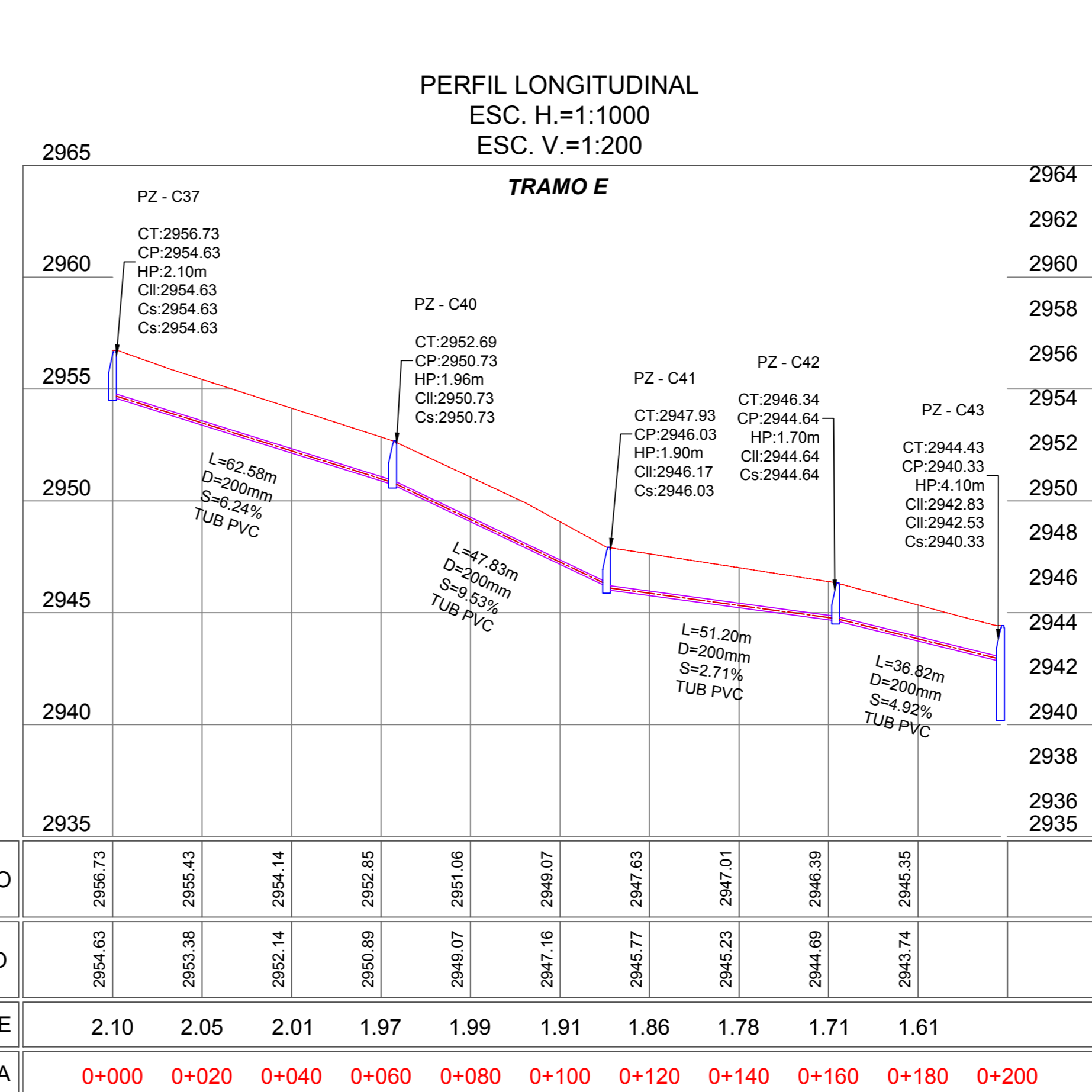
DETALLES POZOS



PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200



PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200

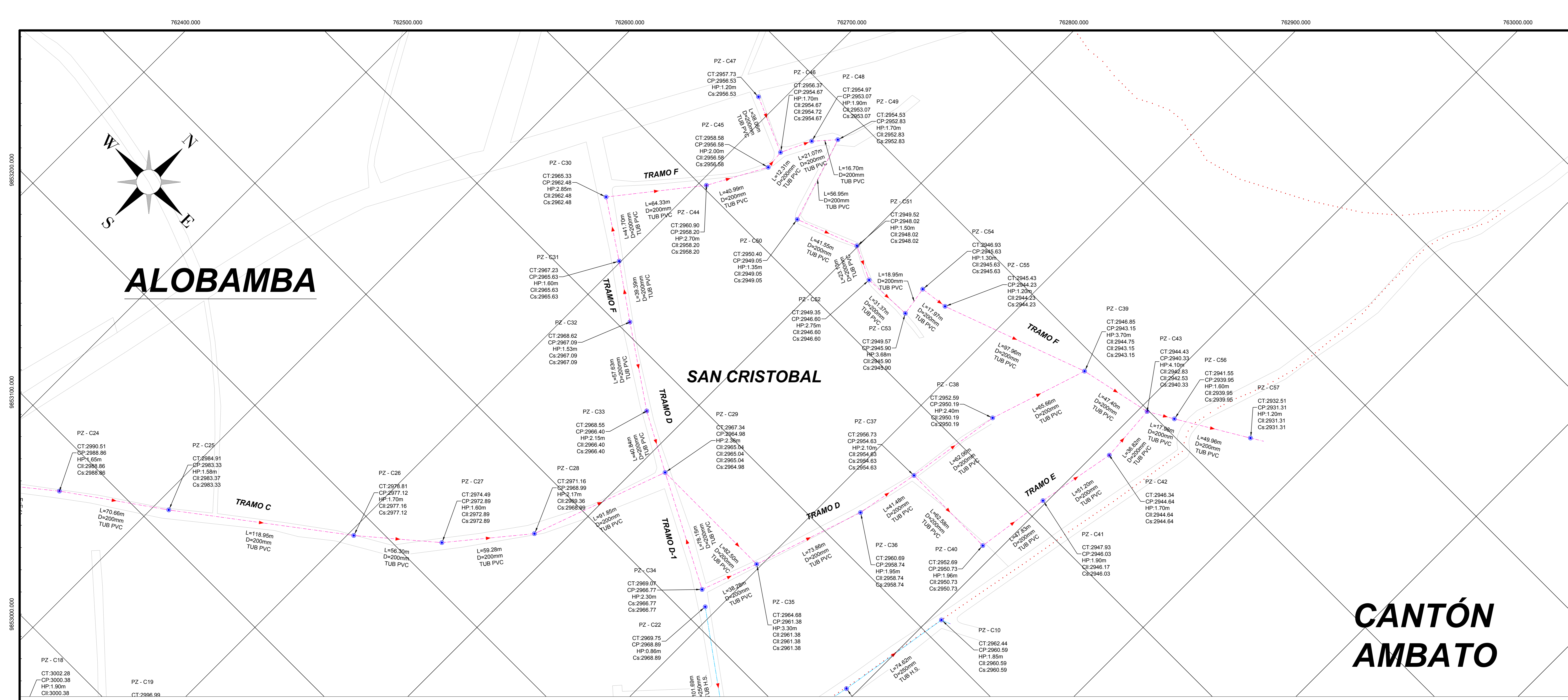


G.A.D. MUNICIPAL DEL CANTON TISALEO

CATÁSTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA

CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN CRISTOBAL TRAMO D, TRAMO E.

PROVINCIA: TUNGURAHUA	CANTÓN: TISALEO	SECTOR: ALOBAMBA
FECHA: NOVIEMBRE 2022	ESCALA: 1:1000	
ELABORADO POR: Egidio Tambo Borja Testa	REVISADO POR: Ing. Galo Núñez Tutor	APROBADO POR: Ing. Galo Núñez Tutor
LÁMINA 04		
TOTAL LÁMINAS: 06		



ALOBAMBA

SAN CRISTOBAL

CANTÓN AMBATO

UBICACIÓN DEL PROYECTO

DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

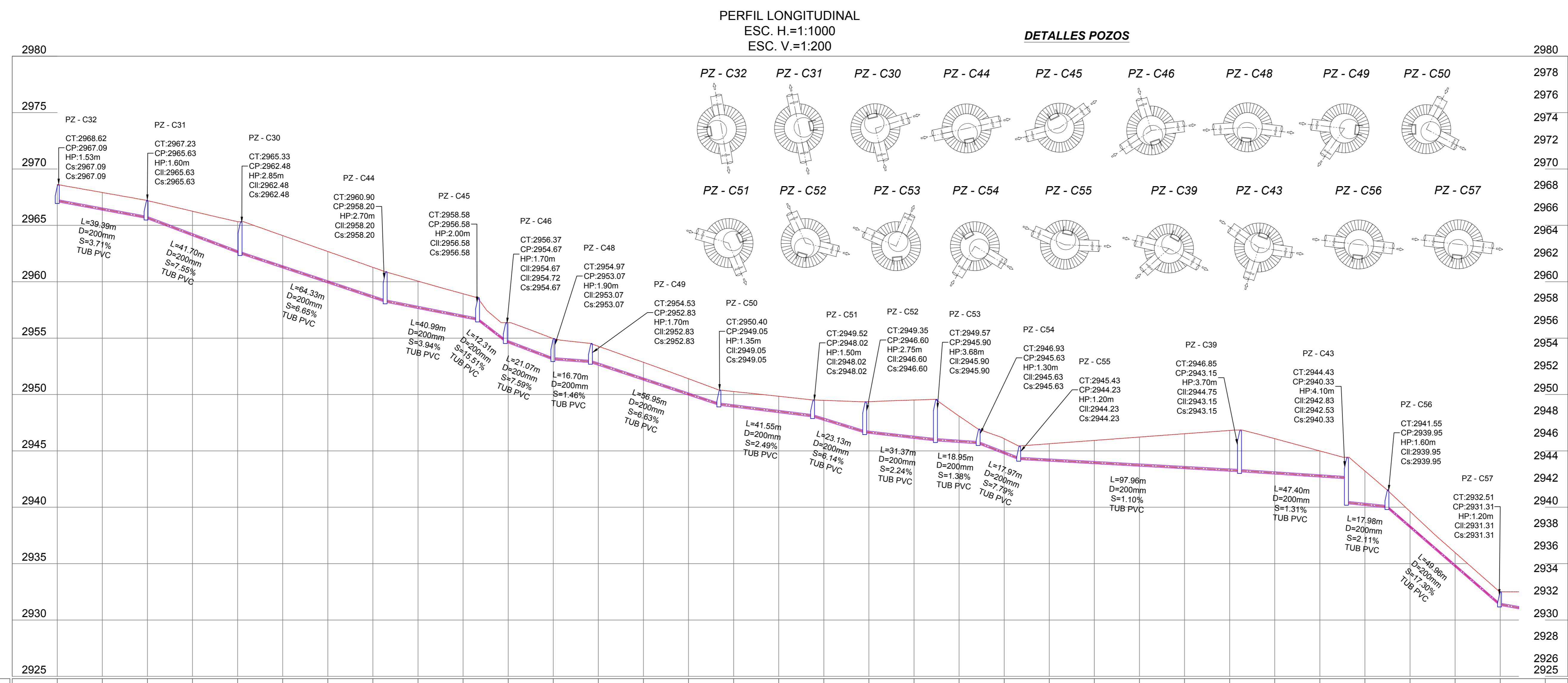
- TUBERÍA PVC D = 200mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LIMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CIL	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

RED DE ALCANTARILLADO SAN CRISTOBAL

SAN CRISTOBAL - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ - C1	762847.14	9852514.30	2984.08	-	2981.13
PZ - C2	762847.42	9852550.32	2981.20	2979.61	2979.61
PZ - C3	762890.88	9852754.54	2980.64	2978.44	2978.44
PZ - C4	762908.36	9852973.02	2978.14	2975.78	2975.78
PZ - C5	762908.40	9852981.68	2977.08	2974.08	2974.08
PZ - C6	762947.46	9853100.74	2975.43	2972.93	2972.93
PZ - C7	762960.79	9853185.92	2972.28	2969.16	2969.16
PZ - C8	762976.05	9853252.63	2968.71	2966.21	2966.21
PZ - C9	762984.00	9853338.87	2966.36	2963.86	2963.86
PZ - C10	763002.88	9853417.63	2962.44	2960.59	2960.59
PZ - C25	762893.65	9853312.08	2971.31	2968.89	2968.89
PZ - C8	762976.05	9853252.63	2968.71	2966.21	2966.21
PZ - C11	762446.88	9852709.88	3005.49	-	3003.54
PZ - C12	762683.10	9852759.43	2996.20	2994.42	2994.42
PZ - C13	762683.14	9853054.83	2999.51	2997.38	2997.38
PZ - C14	762779.96	9852833.82	2984.34	2982.42	2982.42
PZ - C4	762908.36	9852973.02	2978.14	2975.78	2975.78
PZ - C15	762847.47	9852856.82	3015.48	-	3013.31
PZ - C16	762811.47	9852987.87	3011.78	3009.63	3009.63
PZ - C17	762552.80	9852913.27	3008.19	3006.04	3006.04
PZ - C18	762636.34	9852951.14	3002.28	3000.38	3000.38
PZ - C19	762685.68	9852983.17	2996.99	2995.04	2995.04
PZ - C20	762812.01	9853041.90	2987.60	2985.45	2985.45
PZ - C21	763022.14	9853096.17	2978.65	2976.45	2976.45
PZ - C22	762947.46	9853100.74	2975.43	2972.93	2972.93
PZ - C23	762933.48	9853035.32	2984.84	-	2983.38
PZ - C24	762950.61	9853073.35	2980.51	2978.86	2978.86
PZ - C25	762968.33	9853111.41	2976.81	2975.11	2975.11
PZ - C27	762746.05	9853222.99	2974.49	2972.89	2972.89
PZ - C28	762783.12	9853208.16	2971.18	2969.36	2969.36
PZ - C29	762814.98	9853354.63	2967.34	2965.04	2964.98
PZ - C32	762731.42	9853406.38	2966.62	-	2967.09
PZ - C33	762779.04	9853373.92	2968.55	2966.40	2966.40
PZ - C36	762814.98	9853354.63	2967.34	2965.04	2964.98
PZ - C37	762812.01	9853041.90	2987.60	2985.45	2985.45
PZ - C38	762947.46	9853100.74	2975.43	2972.93	2972.93
PZ - C39	762933.48	9853035.32	2984.84	-	2983.38
PZ - C40	762950.61	9853073.35	2980.51	2978.86	2978.86
PZ - C41	762968.33	9853111.41	2976.81	2975.11	2975.11
PZ - C42	762746.05	9853222.99	2974.49	2972.89	2972.89
PZ - C43	762783.12	9853208.16	2971.18	2969.36	2969.36
PZ - C44	762814.98	9853354.63	2967.34	2965.04	2964.98
PZ - C45	762812.01	9853041.90	2987.60	2985.45	2985.45
PZ - C46	762947.46	9853100.74	2975.43	2972.93	2972.93
PZ - C47	762933.48	9853035.32	2984.84	-	2983.38
PZ - C48	762950.61	9853073.35	2980.51	2978.86	2978.86
PZ - C49	762968.33	9853111.41	2976.81	2975.11	2975.11
PZ - C50	762746.05	9853222.99	2974.49	2972.89	2972.89
PZ - C51	762783.12	9853208.16	2971.18	2969.36	2969.36
PZ - C52	762814.98	9853354.63	2967.34	2965.04	2964.98
PZ - C53	762731.42	9853406.38	2966.62	-	2967.09
PZ - C54	762779.04	9853373.92	2968.55	2966.40	2966.40
PZ - C55	762814.98	9853354.63	2967.34	2965.04	2964.98
PZ - C56	762812.01	9853041.90	2987.60	2985.45	2985.45
PZ - C57	762947.46	9853100.74	2975.43	2972.93	2972.93



	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580	0+600	0+620	0+640	0+660	
COTA TERRENO	2967.09	2966.62	2967.02	2967.25	2967.53	2967.81	2968.09	2968.37	2968.65	2968.93	2969.21	2969.49	2969.77	2970.05	2970.33	2970.61	2970.89	2971.17	2971.45	2971.73	2972.01	2972.29	2972.57	2972.85	2973.13	2973.41	2973.69	2973.97	2974.25	2974.53	2974.81	2975.09	2975.37	2975.65	2975.93
COTA PROYECTO	2967.09	2966.62	2967.02	2967.25	2967.53	2967.81	2968.09	2968.37	2968.65	2968.93	2969.21	2969.49	2969.77	2970.05	2970.33	2970.61	2970.89	2971.17	2971.45	2971.73	2972.01	2972.29	2972.57	2972.85	2973.13	2973.41	2973.69	2973.97	2974.25	2974.53	2974.81	2975.09	2975.37	2975.65	2975.93
CORTE	1.53	1.57	1.62	1.68	1.73	1.78	1.83	1.88	1.93	1.98	2.03	2.08	2.13	2.18	2.23	2.28	2.33	2.38	2.43	2.48	2.53	2.58	2.63	2.68	2.73	2.78	2.83	2.88	2.93	2.98	3.03	3.08	3.13	3.18	
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580	0+600	0+620	0+640	0+660	

G.A.D. MUNICIPAL DEL CANTÓN TISALEO

CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN CRISTOBAL - TRAMO F

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: ALOBAMBA

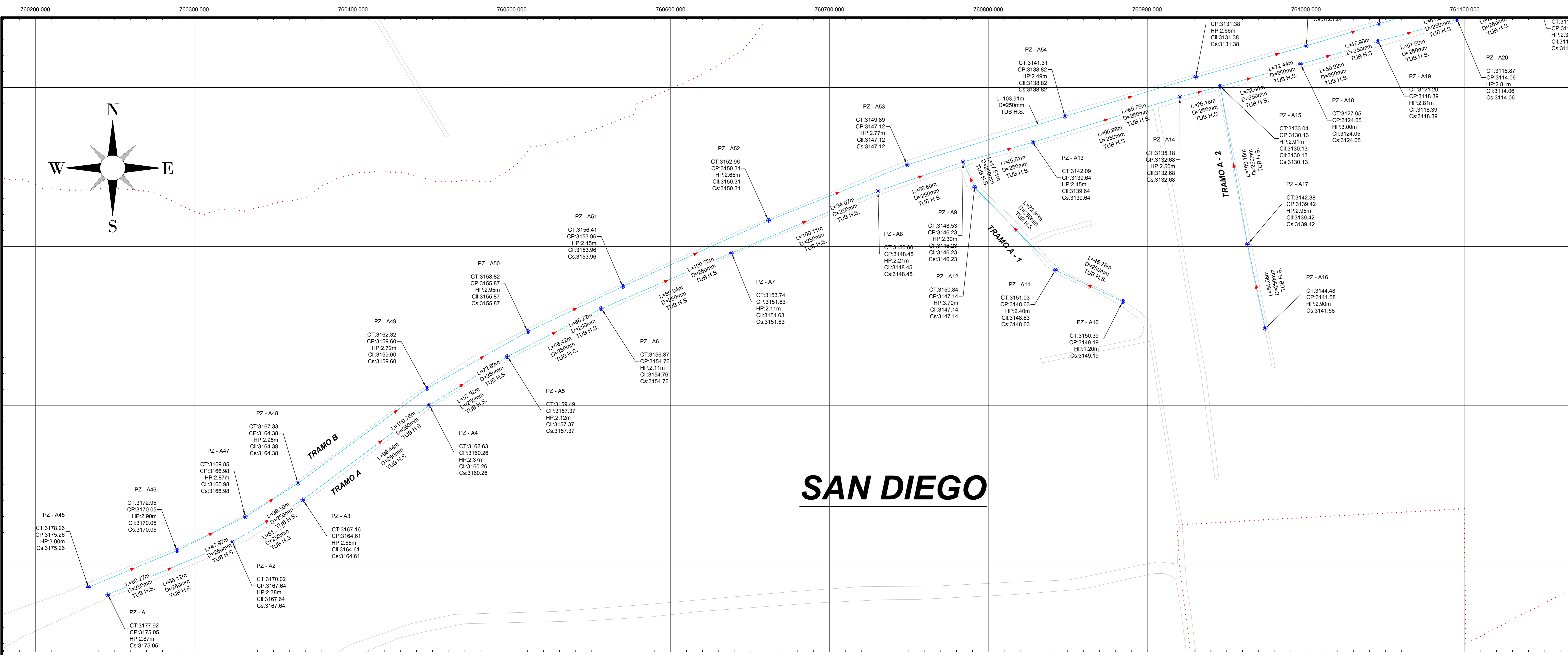
FECHA: NOVIEMBRE 2022 ESCALA: 1:1000

ELABORADO POR: REVISADO POR: APROBADO POR:

Egita Tambo Bonita Testa Ing. Gaby Núñez Tutor Ing. Gaby Núñez Tutor

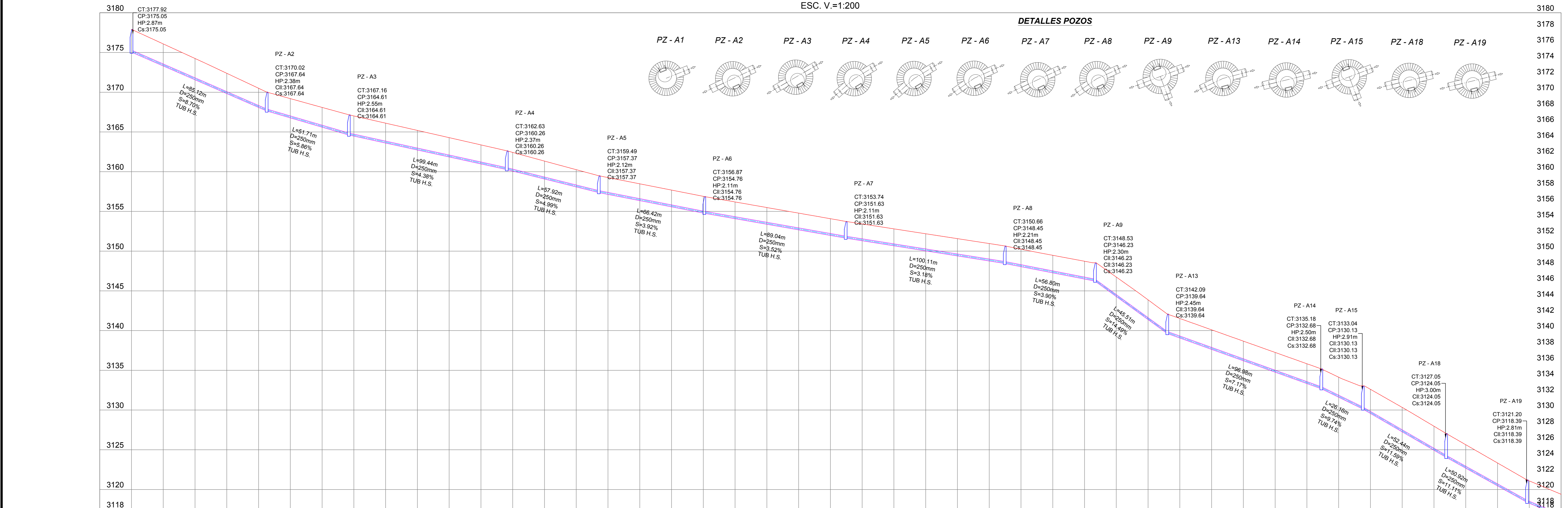
TOTAL LÁMINAS: 05

***RED DE ALCANTARILLADO
SANITARIO SAN DIEGO -
ALOBAMBA***

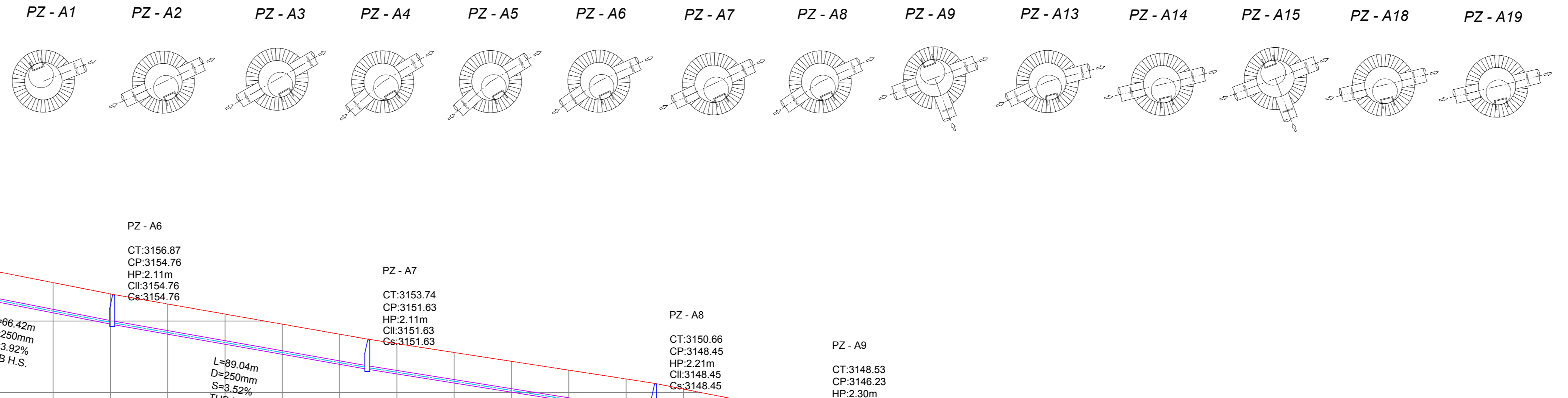


SAN DIEGO

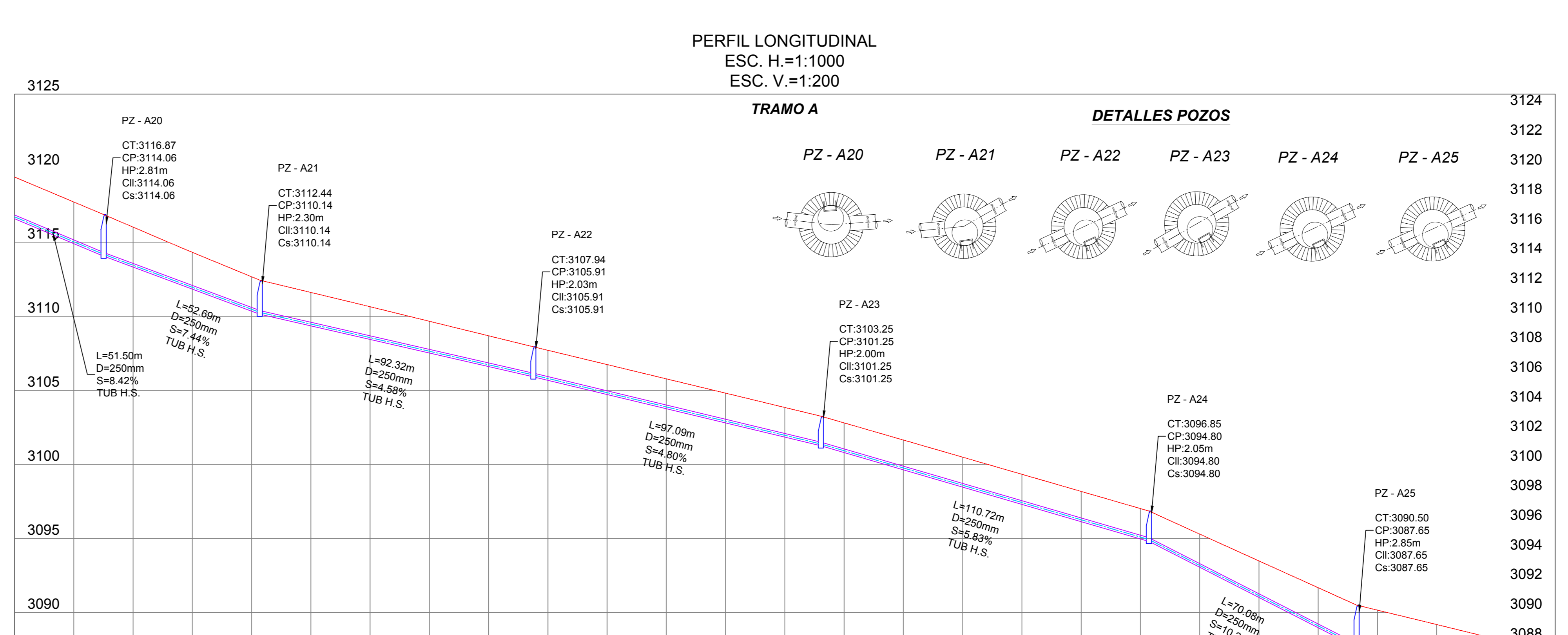
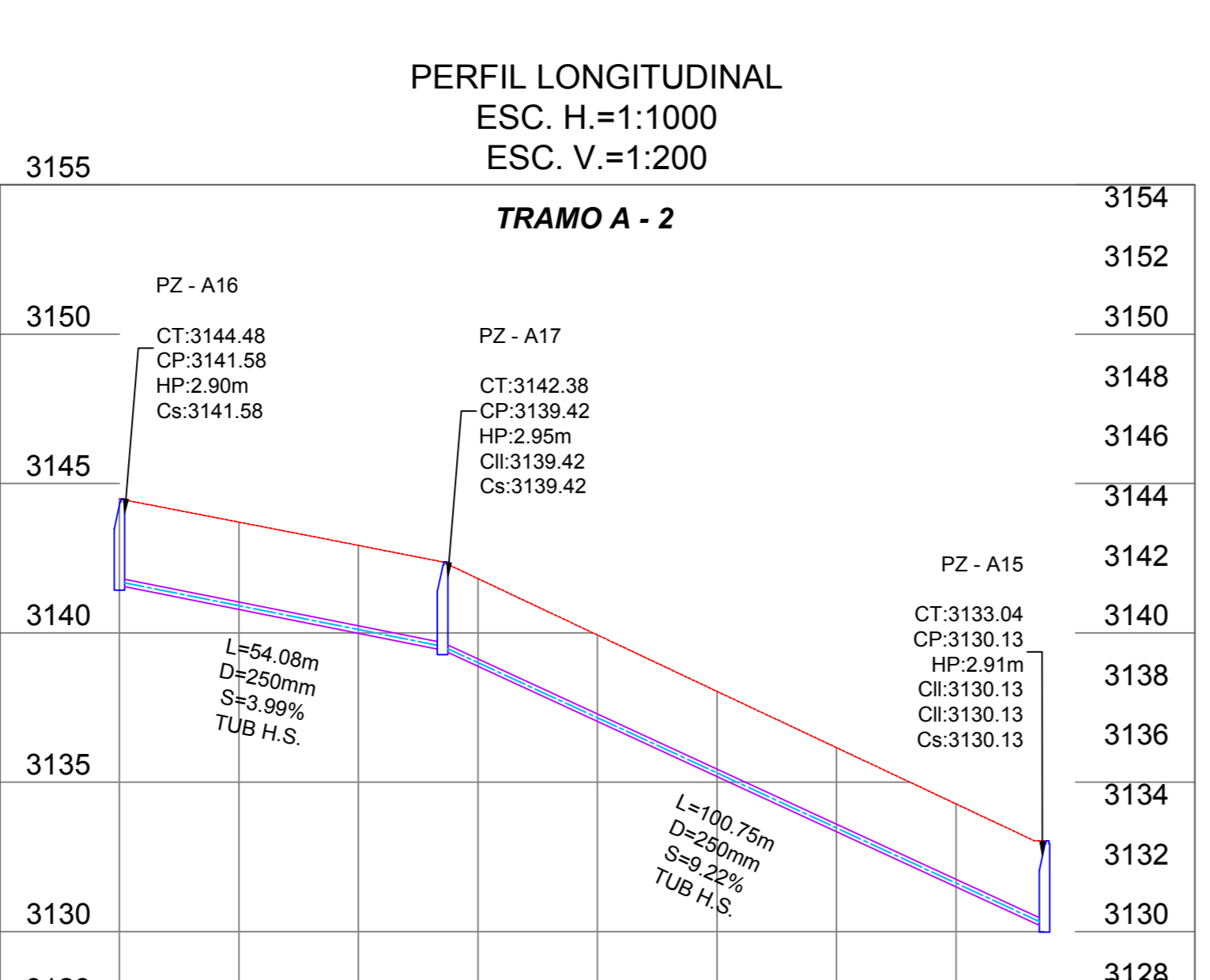
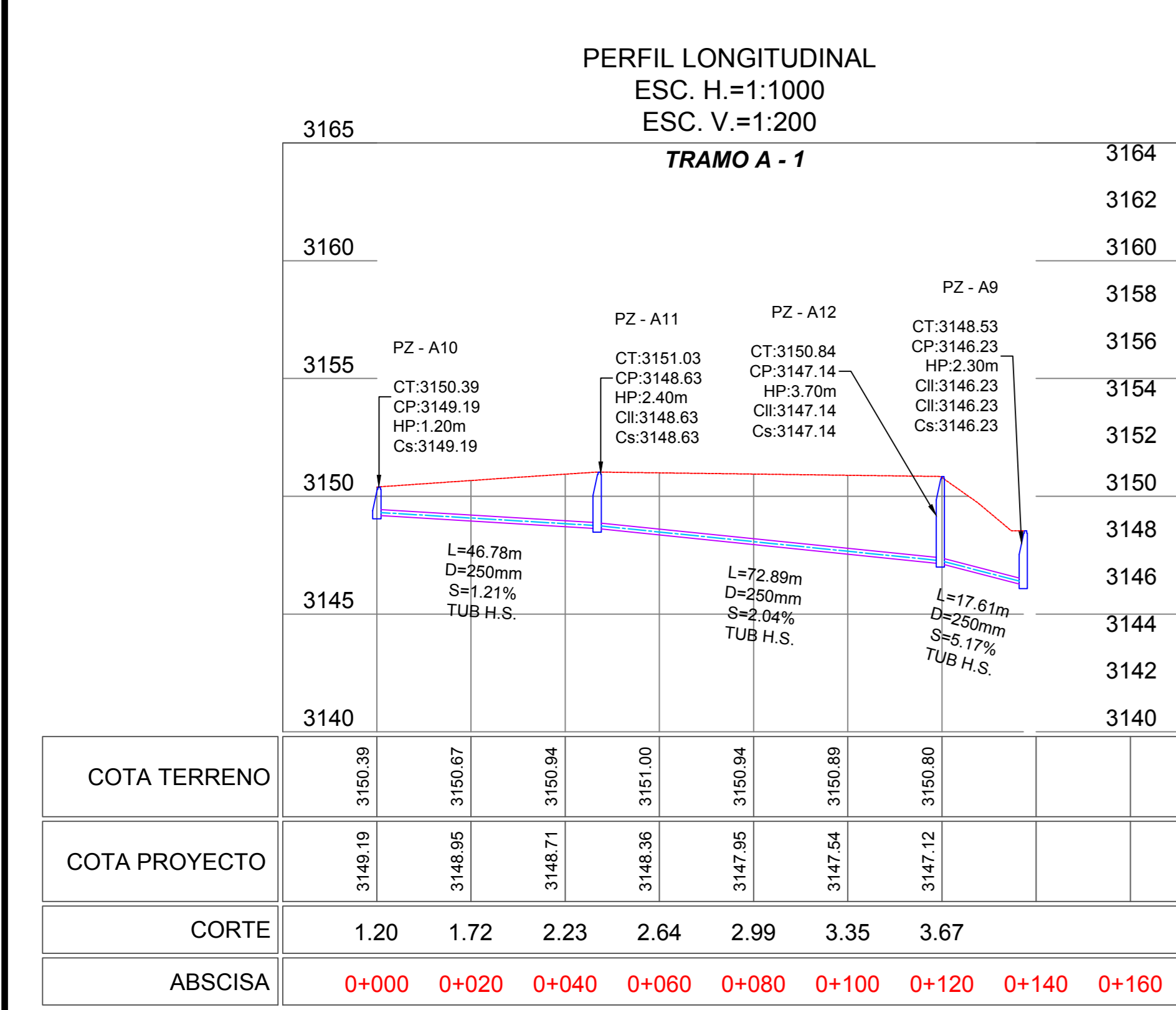
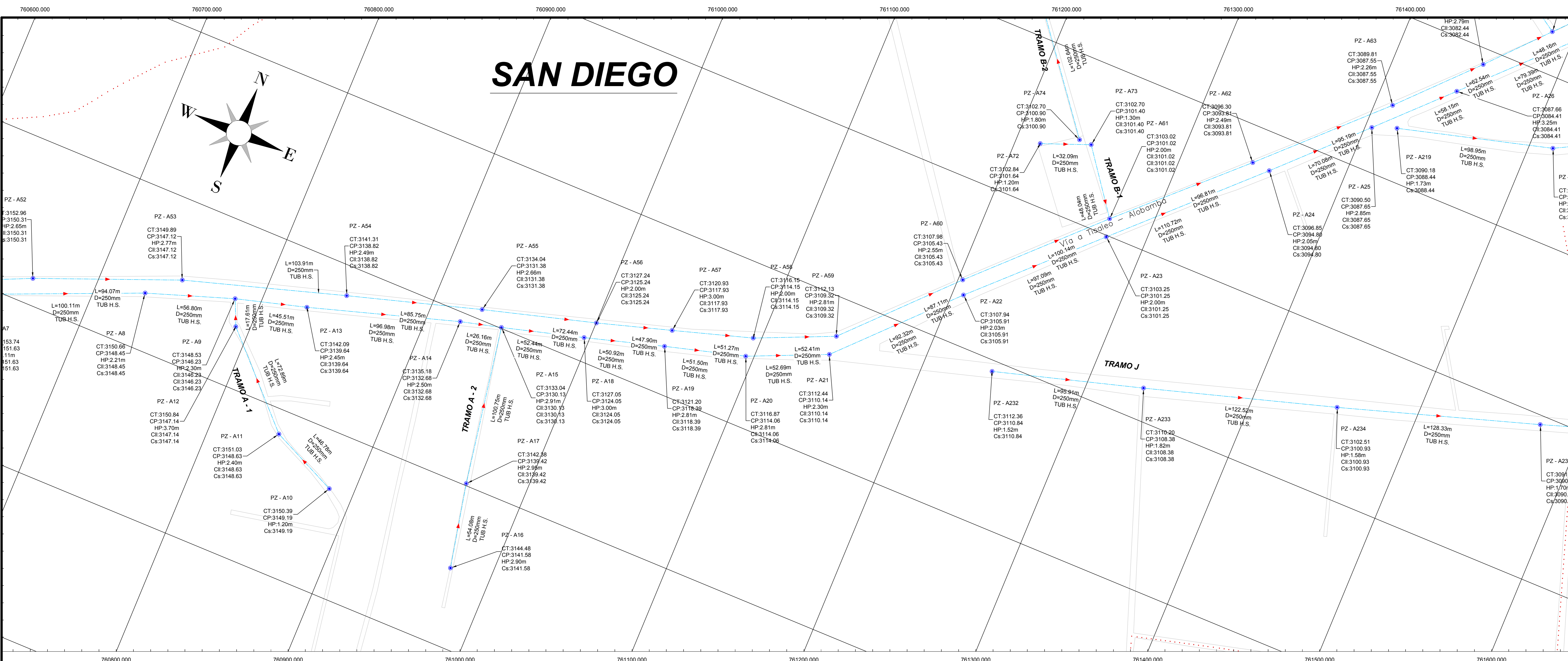
PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200

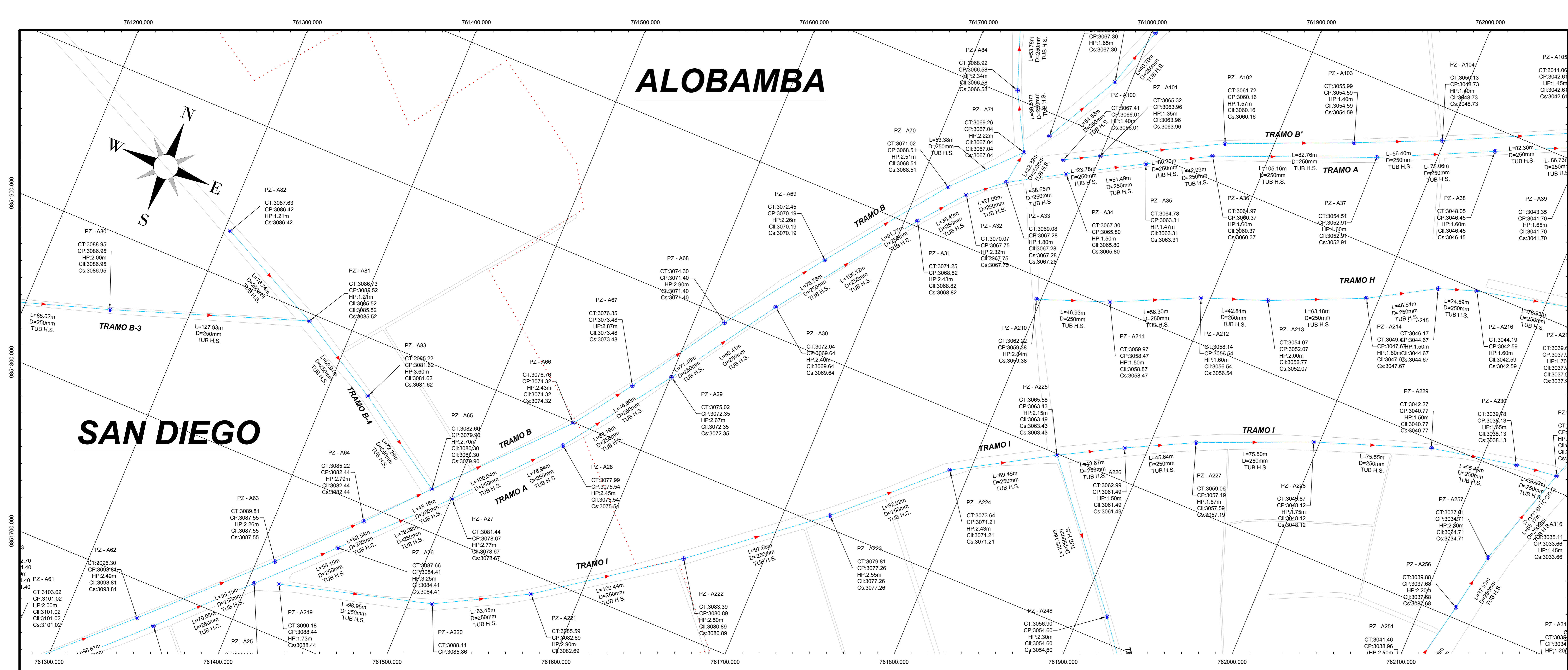


DETALLES POZOS

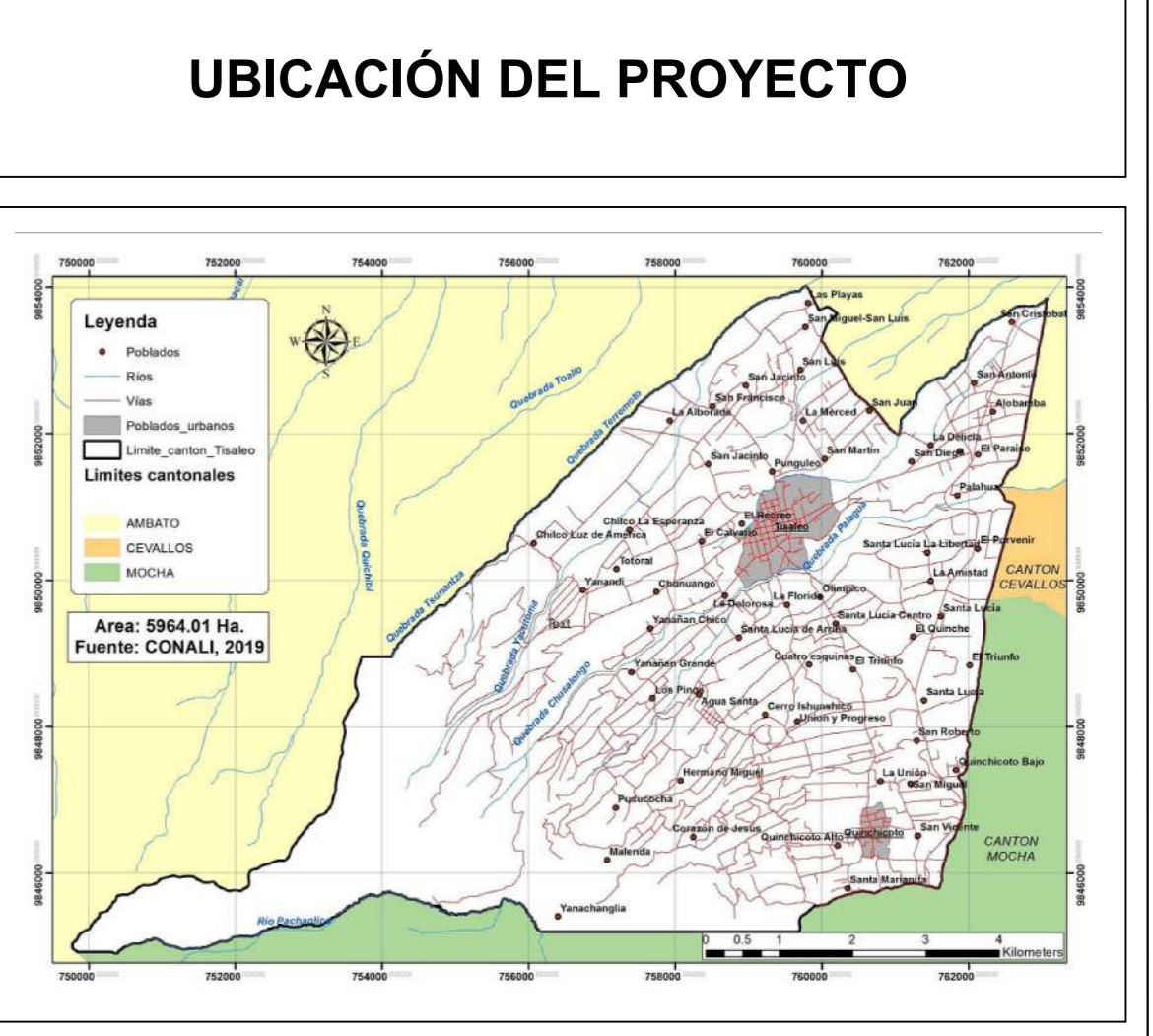
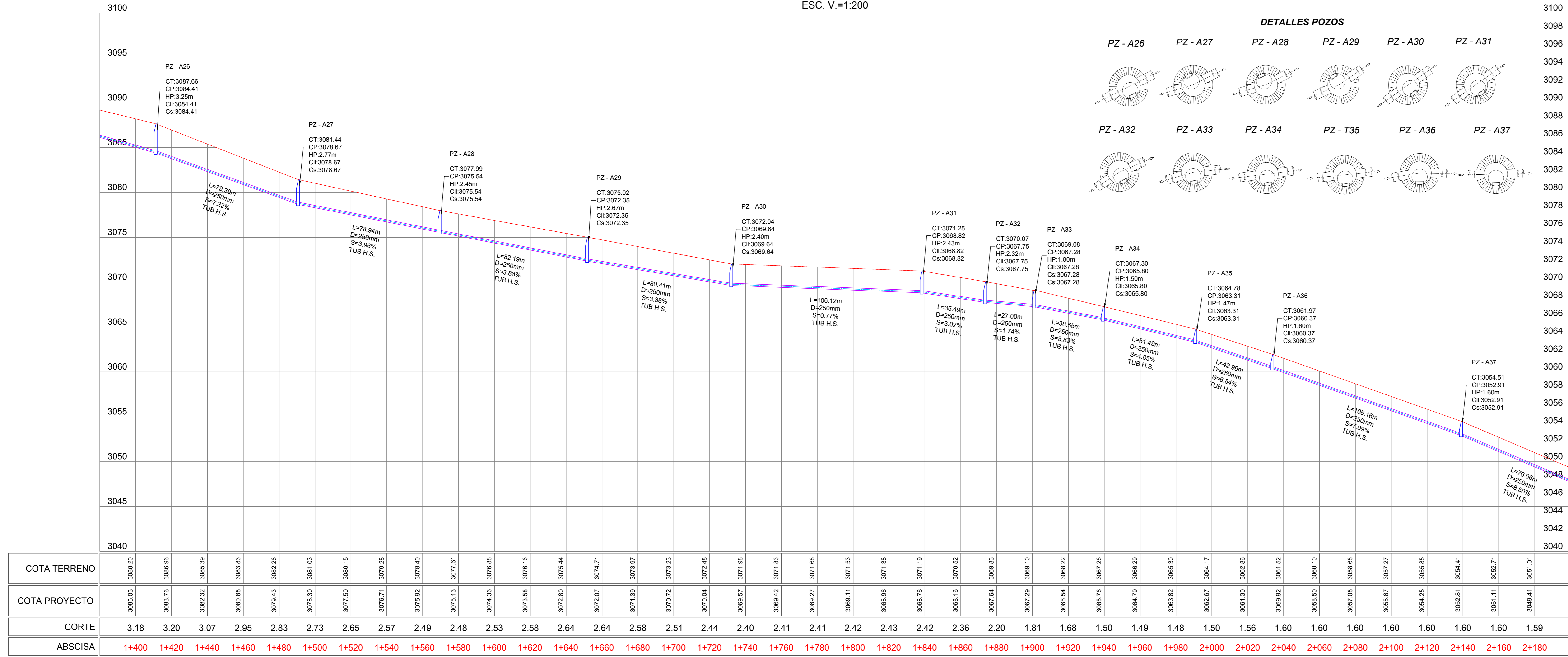


COTA TERRENO	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580	0+600	0+620	0+640	0+660	0+680	0+700	0+720	0+740	0+760	0+780	0+800	0+820	0+840	0+860	0+880																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
COTA TERRENO	3177.92	3176.08	3174.25	3172.38	3170.50	3168.62	3166.77	3164.97	3163.09	3161.11	3159.20	3157.02	3154.87	3152.36	3149.47	3146.07	3142.28	3138.07	3133.51	3128.59	3123.32	3117.70	3111.72	3105.39	3098.73	3091.75	3084.45	3076.84	3068.93	3060.73	3052.24	3043.46	3034.30	3024.77	3014.87	3004.60	2994.05	2983.13	2971.84	2960.19	2948.18	2935.81	2923.08	2910.00	2896.57	2882.79	2868.66	2854.18	2839.35	2824.17	2808.64	2792.76	2776.53	2760.05	2743.32	2726.35	2709.04	2691.38	2673.37	2655.01	2636.30	2617.24	2597.83	2578.07	2557.95	2537.47	2516.62	2495.41	2473.85	2451.94	2429.68	2407.07	2384.11	2360.80	2337.14	2313.13	2288.77	2264.05	2238.97	2213.53	2187.74	2161.59	2135.08	2108.21	2080.98	2053.39	2025.44	1997.13	1968.46	1939.43	1910.04	1880.29	1850.17	1819.69	1788.84	1757.62	1726.04	1694.10	1661.80	1629.14	1596.11	1562.71	1528.95	1494.83	1460.35	1425.51	1390.31	1354.75	1318.84	1282.57	1245.94	1208.95	1171.60	1133.89	1095.82	1057.39	1018.60	979.45	939.94	899.07	857.84	816.25	774.30	731.99	690.32	648.29	605.90	563.15	520.13	476.85	433.31	389.51	345.45	301.13	256.55	211.71	166.62	121.28	75.69	30.84	-14.16	-69.21	-123.31	-177.45	-231.64	-285.88	-340.17	-394.51	-448.90	-503.34	-557.83	-612.37	-666.95	-721.58	-776.25	-830.97	-885.73	-940.54	-995.40	-1050.31	-1105.27	-1160.28	-1215.34	-1270.45	-1325.61	-1380.82	-1436.08	-1491.39	-1546.75	-1602.16	-1657.62	-1713.13	-1768.69	-1824.31	-1880.00	-1935.74	-1991.54	-2047.39	-2103.29	-2159.24	-2215.24	-2271.29	-2327.38	-2383.52	-2439.71	-2495.95	-2552.24	-2608.58	-2664.97	-2721.41	-2777.89	-2834.42	-2890.99	-2947.61	-3004.28	-3060.99	-3117.75	-3174.56	-3231.42	-3288.33	-3345.29	-3402.30	-3459.36	-3516.47	-3573.63	-3630.84	-3688.09	-3745.39	-3802.74	-3860.14	-3917.58	-3975.07	-4032.61	-4090.19	-4147.82	-4205.50	-4263.22	-4320.99	-4378.81	-4436.68	-4494.60	-4552.57	-4610.59	-4668.65	-4726.76	-4784.91	-4843.11	-4901.35	-4959.63	-5017.96	-5076.34	-5134.76	-5193.22	-5251.73	-5310.28	-5368.87	-5427.50	-5486.17	-5544.89	-5603.65	-5662.45	-5721.29	-5780.17	-5839.09	-5898.05	-5957.05	-6016.09	-6075.17	-6134.29	-6193.45	-6252.65	-6311.89	-6371.17	-6430.49	-6489.85	-6549.25	-6608.69	-6668.17	-6727.69	-6787.25	-6846.85	-6906.48	-6966.14	-7025.84	-7085.57	-7145.34	-7205.15	-7264.99	-7324.87	-7384.79	-7444.74	-7504.72	-7564.74	-7624.79	-7684.88	-7744.99	-7805.14	-7865.32	-7925.53	-7985.77	-8046.04	-8106.34	-8166.67	-8227.03	-8287.42	-8347.84	-8408.29	-8468.77	-8529.28	-8589.81	-8650.37	-8710.96	-8771.58	-8832.23	-8892.91	-8953.62	-9014.36	-9075.13	-9135.93	-9196.76	-9257.61	-9318.49	-9379.40	-9440.34	-9501.31	-9562.31	-9623.33	-9684.37	-9745.44	-9806.54	-9867.67	-9928.82	-9989.99	-10051.19	-10112.42	-10173.68	-10234.97	-10296.29	-10357.64	-10419.02	-10480.43	-10541.87	-10603.34	-10664.83	-10726.35	-10787.90	-10849.48	-10911.09	-10972.73	-11034.40	-11096.10	-11157.83	-11219.59	-11281.38	-11343.19	-11405.02	-11466.88	-11528.77	-11590.68	-11652.61	-11714.57	-11776.56	-11838.57	-11900.60	-11962.65	-12024.73	-12086.83	-12148.96	-12211.12	-12273.30	-12335.51	-12397.74	-12460.00	-12522.28	-12584.58	-12646.90	-12709.24	-12771.61	-12834.01	-12896.43	-12958.87	-13021.33	-13083.81	-13146.32	-13208.85	-13271.40	-13333.97	-13396.56	-13459.17	-13521.80	-13584.45	-13647.12	-13709.81	-13772.52	-13835.25	-13898.00	-13960.77	-14023.56	-14086.37	-14149.20	-14212.05	-14274.92	-14337.81	-14400.72	-14463.65	-14526.60	-14589.57	-14652.57	-14715.59	-14778.63	-14841.69	-14904.77	-14967.87	-15030.98	-15094.11	-15157.26	-15220.43	-15283.62	-15346.83	-15410.06	-15473.31	-15536.58	-15600.00	-15663.43	-15726.88	-15790.35	-15853.84	-15917.35	-15980.88	-16044.43	-16107.99	-16171.58	-16235.19	-16298.82	-16362.47	-16426.14	-16489.83	-16553.54	-16617.27	-16681.02	-16744.78	-16808.56	-16872.36	-16936.17	-17000.00	-17063.84	-17127.70	-17191.58	-17255.48	-17319.39	-17383.31	-17447.25	-17511.21	-17575.18	-17639.16	-17703.16	-17767.17	-17831.19	-17895.22	-17959.27	-18023.33	-18087.41	-18151.50	-18215.60	-18279.72	-18343.85	-18407.99	-18472.14	-18536.30	-18600.47	-18664.65	-18728.84	-18793.04	-18857.25	-18921.47	-18985.70	-19049.94	-19114.19	-19178.45	-19242.72	-19307.00	-19371.29	-19435.59	-19499.90	-19564.21	-19628.53	-19692.86	-19757.20	-19821.55	-19885.91	-19950.28	-20014.65	-20079.03	-20143.42	-20207.82	-20272.23	-20336.64	-20401.06	-20465.48	-20529.91	-20594.35	-20658.80	-20723.26	-20787.73	-20852.21	-20916.70	-20981.19	-21045.69	-21110.19	-21174.70	-21239.22	-21303.75	-21368.28	-21432.82	-21497.37	-21561.92	-21626.48	-21691.04	-21755.61	-21820.19	-21884.78	-21949.38	-22013.98	-22078.58	-22143.19	-22207.79	-22272.40	-22337.01	-22401.62	-22466.24	-22530.86	-22595.48	-22660.11	-22724.74	-22789.37	-22854.00	-22918.63	-22983.27	-23047.91	-23112.55	-23177.20	-23241.85	-23306.50	-23371.15	-23435.80	-23500.45	-23565.10	-23629.75	-23694.40	-23759.05	-23823.70	-23888.35	-23953.00	-24017.65	-24082.30	-24146.95	-24211.60	-24276.25	-24340.90	-24405.55	-24470.20	-24534.85	-24599.50	-24664.15	-24728.80	-24793.45	-24858.10	-24922.75	-24987.40	-25052.05	-25116.70	-25181.35	-25246.00	-25310.65	-25375.30	-25440.00	-25504.65	-25569.30	-25633.95	-25698.60	-25763.25	-25827.90	-25892.55	-25957.20	-26021.85	-26086.50	-26151.15	-26215.80	-26280.45	-26345.10	-26409.75	-26474.40	-26539.05	-26603.70	-26668.35	-26733.00	-26797.65	-26862.30	-26926.95	-26991.60	-27056.25	-27120.90	-27185.55	-27250.20	-27314.85	-27379.50	-27444.15	-27508.80	-27573.45	-27638.10	-27702.75	-27767.40	-27832.05	-27896.70	-27961.35	-28026.00	-28090.65	-28155.30	-28219.95	-28284.60	-28349.25	-28413.90	-28478.55	-28543.20	-28607.85	-28672.50	-28737.15	-28801.80	-28866.45	-28931.10	-28995.75	-29060.40	-29125.05	-29189.70	-29254.35	-29319.00	-29383.65	-29448.30	-29512.95	-29577.60	-29642.25	-29706.90	-29771.55	-29836.20	-29900.85	-29965.50	-30030.15	-30094.80	-30159.45	-30224.10	-30288.75	-30353.40	-30418.05	-30482.70	-30547.35	-30612.00	-30676.65	-30741.30	-30805.95	-30870.60	-30935.25	-31000.00	-31064.75	-31129.50	-31194.25	-31259.00	-31323.75	-31388.50	-31453.25	-31518.00	-31582.75	-31647.50	-31712.25	-31777.00	-31841.75	-31906.50	-31971.25	-32036.00	-32100.75	-32165.50	-32230.25	-32295.00	-32359.75	-32424.50	-32489.25	-32554.00	-32618.75	-32683.50	-32748.25	-32813.00	-32877.75	-32942.50	-33007.25	-33072.00	-33136.75	-33201.50	-33266.25	-33331.00	-33395.75	-33460.50	-33525.25	-33590.00	-33654.75	-33719.50	-33784.25	-33849.00	-33913.75	-33978.50	-34043.25	-34108.00	-34172.75	-34237.50	-34302.25	-34367.00	-34431.75	-34496.50	-34561.25	-34626.00	-34690.75	-34755.50	-34820.25	-34885.00	-34949.75	-35014.50	-35079.25	-35144.00	-35208.75	-35273.50	-35338.25	-35403.00	-35467.75	-35532.50	-35597.25	-35662.00	-35726.75	-35791.50	-35856.25	-35921.00	-35985.75	-36050.50	-36115.25	-36180.00	-36244.75	-36309.50	-36374.25	-36439.00	-36503.75	-36568.50	-36633.25	-36698.00	-36762.75	-36827.50	-36892.25	-36957.00	-37021.75	-37086.50	-37151.25	-37216.00	-37280.75	-37345.50	-37410.25	-37475.00	-37539.75	-37604.50	-37669.25	-37734.00	-37798.75	-37863.50	-37928.25	-37993.00	-38057.75	-38122.50	-38187.25	-38252.00	-38316.75	-38381.50	-38446.25	-38511.00	-38575.75	-38640.50	-38705.25	-38770.00	-38834.75	-38899.50	-38964.25	-39029.00	-39093.75	-39158.50	-39223.25	-39288.00	-39352.75	-39417.50	-39482.25	-39547.00	-39611.75	-39676.50	-39741.25	-39806.00	-39870.75	-39935.50	-40000.25	-40065.00	-40129.75	-40194.50	-40259.25	-40324.00	-40388.75	-40453.50	-40518.25	-40583.00	-40647.75	-40712.50	-40777.25	-40842.00	-40906.75	-40971.50	-41036.25	-41101.00	-41165.75	-41230.50	-41295.25	-41360.00	-41424.75	-41489.50	-41554.25	-41619.00	-41683.75	-41748.50	-41813.25	-41878.00	-41942.75	-42007.50	-42072.25	-42137.00	-42201.75	-42266.50	-42331.25	-42396.00	-42460.75	-42525.50	-42590.25	-42655.00	-42719.75	-42784.50	-42849.25	-42914.00	-42978.75	-43043.50	-43108.25	-43173.00	-43237.75	-43302.50	-43367.25	-43432.00	-43496.75	-43561.50	-43626.25	-43691.00	-43755.75	-43820.50	-43885.25	-43950.00	-44014.75	-44079.50	-44144.25	-44209.00	-44273.75	-44338.50	-44403.25	-44468.00	-44532.75	-44597.50	-44662.25	-44727.00	-44791.75	-44856.50	-44921.25	-44986.00	-45050.75	-45115.50	-45180.25	-45245.00	-45309.75	-45374.50	-45439.25	-45504.00	-45568.75	-45633.50	-45698.25	-45763.00	-45827.75	-45892.50	-45957.25	-46022.00	-46086.75	-46151.50	-46216.25	-46281.00	-46345.75	-46410.50	-46475.25	-46540.00	-46604.75	-46669.50	-46734.25	-46799.00	-46863.75	-46928.50	-46993.25	-47058.00	-47122.75	-47187.50	-47252.25	-47317.00	-47381.75	-47446.50	-47511.25	-47576.00	-47640.75	-47705.50	-47770.25	-47





PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM: 759353.24 m E, 9850780.17 m S

ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VIAS
- LIMITES TERRITORIALES

REDES DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ - A1	760245.59	9851080.81	3177.92	-	3175.05
PZ - A2	760328.03	9851133.86	3170.02	3167.84	3167.64
PZ - A3	760363.33	9851140.54	3167.16	3164.61	3164.61
PZ - A4	760448.03	9851200.00	3162.63	3160.26	3160.26
PZ - A5	760491.78	9851230.00	3159.49	3157.37	3157.37
PZ - A6	760556.38	9851260.00	3156.87	3154.76	3154.76
PZ - A7	760628.25	9851296.78	3153.74	3151.63	3151.63
PZ - A8	760704.46	9851333.17	3150.60	3148.45	3148.45
PZ - A9	760784.19	9851353.17	3148.53	3146.23	3146.23
PZ - A10	760828.00	9851365.48	3142.09	3139.84	3139.84
PZ - A11	760920.61	9851394.08	3138.18	3132.68	3132.68
PZ - A12	760996.00	9851400.00	3133.04	3130.13	3130.13
PZ - A13	761045.40	9851428.92	3121.20	3118.39	3118.39
PZ - A14	761134.24	9851463.83	3112.44	3110.14	3110.14
PZ - A15	761206.84	9851530.76	3107.84	3105.91	3105.91
PZ - A16	761276.00	9851599.00	3103.25	3101.20	3101.20
PZ - A17	761354.83	9851676.73	3098.85	3096.80	3096.80
PZ - A18	761404.09	9851726.56	3090.50	3087.65	3087.65
PZ - A19	761444.76	9851788.15	3087.66	3084.41	3084.41
PZ - A20	761500.29	9851824.89	3081.44	3078.67	3078.67
PZ - A21	761552.93	9851883.72	3077.99	3075.54	3075.54
PZ - A22	761600.48	9851950.75	3075.02	3072.35	3072.35
PZ - A23	761644.98	9852017.73	3072.04	3069.64	3069.64
PZ - A24	761707.74	9852103.31	3071.26	3068.82	3068.82
PZ - A25	761750.14	9852130.84	3070.07	3067.75	3067.75
PZ - A26	761784.06	9852167.76	3067.30	3065.80	3065.80
PZ - A27	761828.79	9852193.27	3064.78	3063.31	3063.31
PZ - A28	761868.39	9852214.12	3061.97	3060.37	3060.37
PZ - A29	761903.86	9852263.60	3054.51	3052.91	3052.91
PZ - A30	762032.54	9852298.20	3048.05	3046.45	3046.45
PZ - A31	762088.79	9852310.97	3043.35	3041.70	3041.70
PZ - A32	762121.48	9852328.73	3042.07	3040.57	3040.57
PZ - A33	762161.00	9852345.81	3038.71	3037.31	3037.31
PZ - A34	762211.87	9852365.32	3033.68	3032.31	3032.31
PZ - A35	762228.02	9852367.31	3032.28	3031.18	3031.18
PZ - A36	762246.36	9852359.00	3030.21	3029.13	3029.13
PZ - A37	760984.74	9851260.30	3150.39	3149.19	3149.19
PZ - A38	760984.74	9851260.30	3150.39	3148.63	3148.63
PZ - A39	760984.74	9851260.30	3150.39	3147.14	3147.14
PZ - A40	760984.74	9851260.30	3150.39	3146.23	3146.23
PZ - A41	760974.33	9851248.41	3144.48	-	3141.58
PZ - A42	760963.15	9851301.30	3142.38	3139.43	3139.43
PZ - A43	760946.00	9851400.00	3133.04	3130.13	3130.13
PZ - A44	760929.21	9851081.61	3178.26	-	3175.26
PZ - A45	760233.33	9851085.81	3177.92	-	3175.05
PZ - A46	760289.21	9851081.61	3172.95	3170.05	3170.05
PZ - A47	760332.23	9851129.85	3169.85	3166.98	3166.98
PZ - A48	760363.38	9851150.94	3167.33	3164.38	3164.38
PZ - A49	760446.58	9851210.60	3162.32	3159.60	3159.60
PZ - A50	760510.10	9851246.24	3158.82	3155.87	3155.87
PZ - A51	760569.80	9851274.78	3156.41	3153.96	3153.96
PZ - A52	760661.68	9851318.28	3152.98	3150.31	3150.31
PZ - A53	760700.00	9851351.29	3149.89	3147.12	3147.12
PZ - A54	760848.33	9851381.81	3141.31	3138.82	3138.82
PZ - A55	760900.48	9851406.38	3134.04	3131.38	3131.38
PZ - A56	761000.18	9851438.12	3127.24	3125.24	3125.24
PZ - A57	761046.01	9851440.00	3120.83	3117.93	3117.93
PZ - A58	761088.02	9851455.10	3118.15	3114.15	3114.15
PZ - A59	761143.00	9851476.18	3112.13	3109.32	3109.32
PZ - A60	761202.88	9851538.44	3107.88	3105.43	3105.43
PZ - A61	761273.97	9851610.37	3103.02	3101.02	3101.02
PZ - A62	761343.29	9851677.54	3096.30	3098.81	3098.81
PZ - A63	761410.88	9851744.08	3089.81	3087.55	3087.55
PZ - A64	761453.71	9851790.14	3086.23	3084.44	3084.44
PZ - A65	761486.02	9851825.86	3082.60	3080.30	3079.90
PZ - A66	761553.66	9851899.36	3078.76	3074.33	3074.33
PZ - A67	761579.43	9851936.20	3076.35	3073.48	3073.48
PZ - A68	761618.85	9851968.00	3074.30	3071.40	3071.40
PZ - A69	761663.41	9852007.82	3072.45	3070.18	3070.18
PZ - A70	761717.51	9852131.20	3071.02	3068.51	3068.51
PZ - A71	761763.95	9852170.21	3069.26	3067.84	3067.84

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

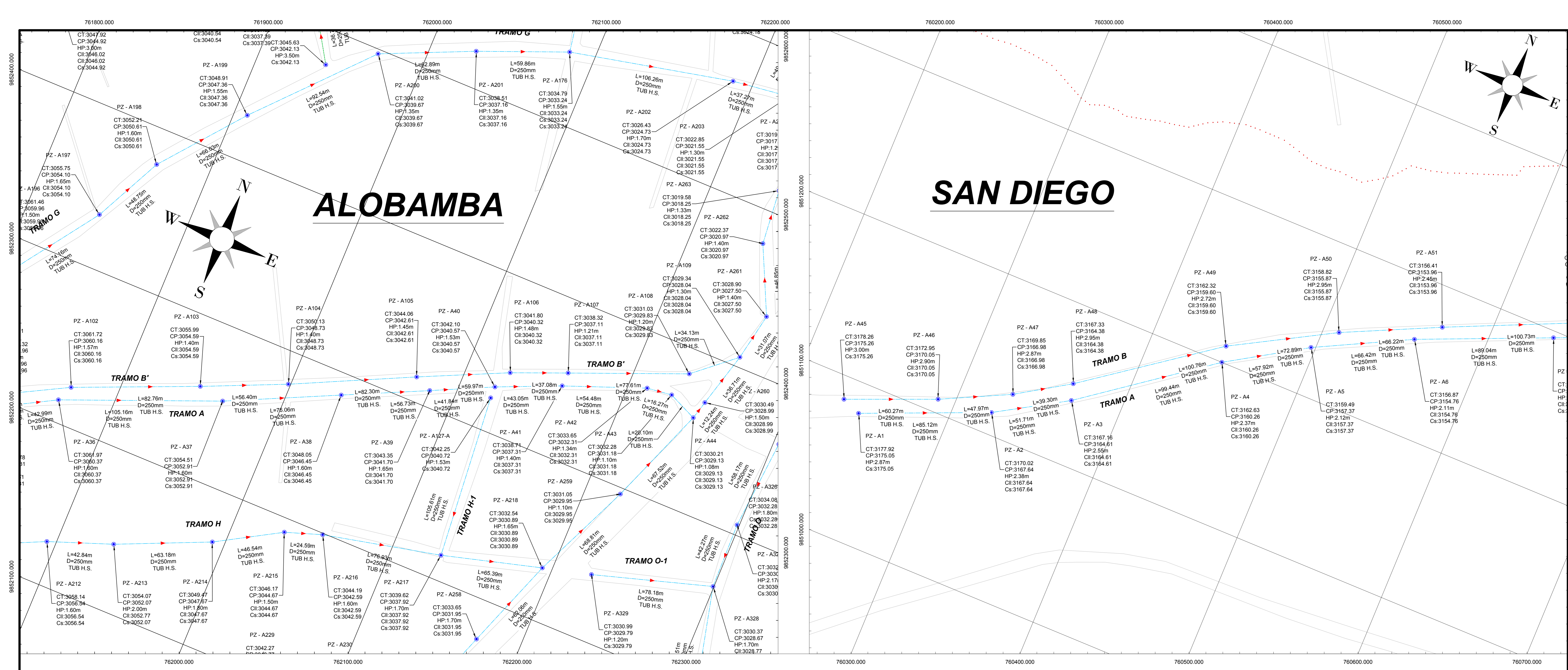
CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN DIEGO - ALOBAMBA, TRAMO A

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: ALOBAMBA

FECHA: NOVIEMBRE 2022 ESCALA: 1:1000

ELABORADO POR: Ing. Gato Núñez Tutor REVISADO POR: Ing. Gato Núñez Tutor APROBADO POR: Ing. Gato Núñez Tutor

LÁMINA: LÁMINA 03 TOTAL LÁMINAS: 27



UBICACIÓN DEL PROYECTO

LEYENDA:
 Línea roja: Límite cantonal
 Línea amarilla: Límite parroquial
 Área sombreada: Área 50x41 Ha.
 Fuente: IGNAL 2019

DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
 759353.24 m E
 9850780.17 m S

ALTURA REFERENCIAL:
 3249 m

SIMBOLOGÍA

TUBERÍA PVC D = 250mm (---)

TUBERÍA H.S. D = 250mm (---)

POZO DE REVISIÓN (●)

PERFIL DEL TERRENO (---)

CALLES / VIAS (---)

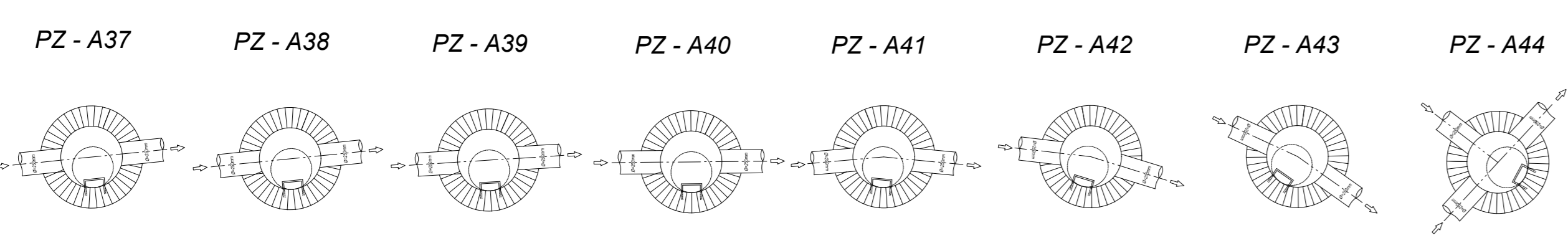
LÍMITES TERRITORIALES (---)

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CI	COTA DE LLEGADA
CS	COTA DE SALIDA
HP	ALTURA DE POZO

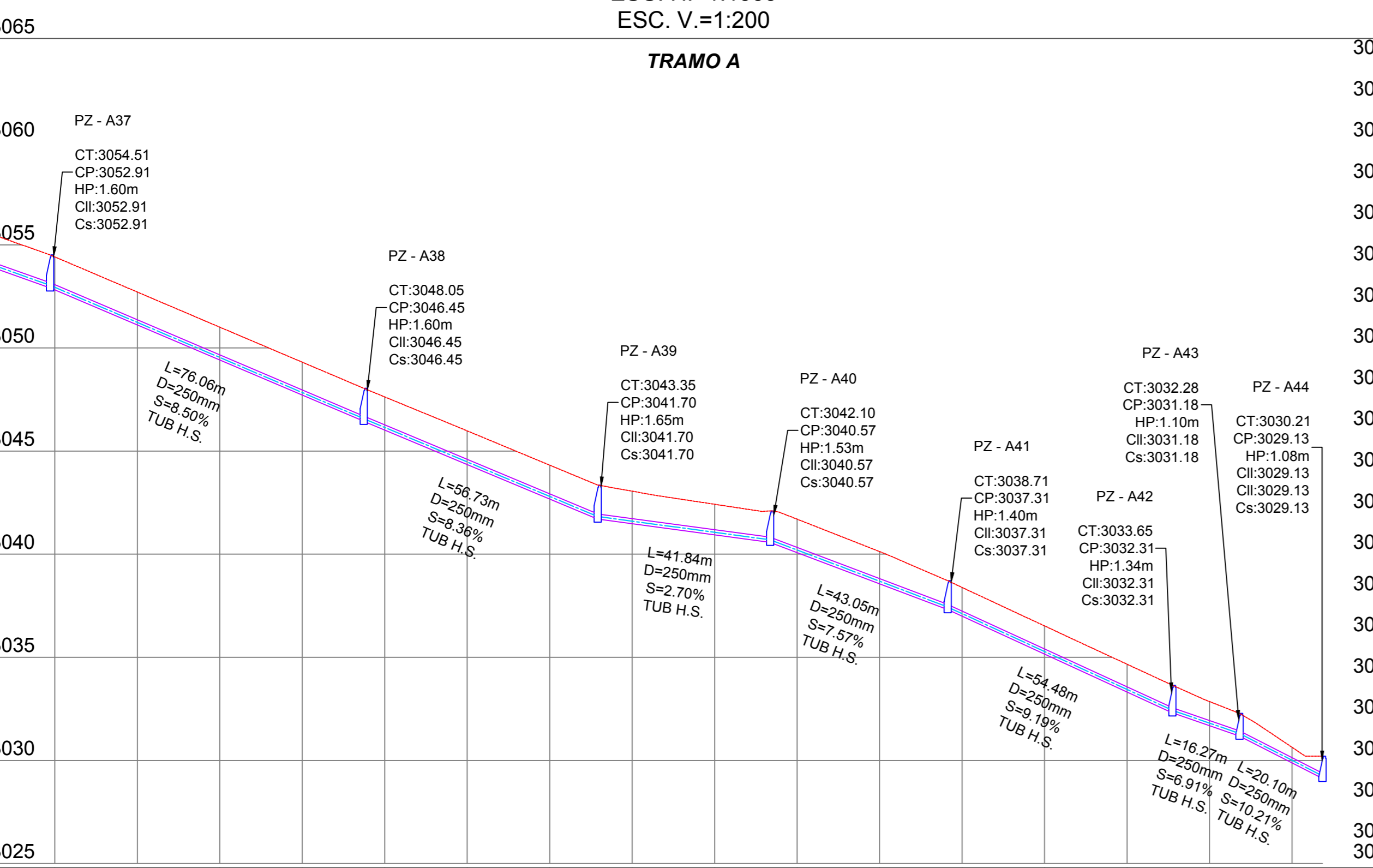
RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

POZO	ESTE [m]	NORTE [m]	C. TERRENO [m]	C. LLEGADA [m]	C. SALIDA [m]
SAN DIEGO					
PZ - A1	760245.59	9851080.81	3177.92	-	3175.05
PZ - A2	760324.03	985113.86	3170.02	3167.84	3167.84
PZ - A3	760383.33	985140.84	3167.16	3164.61	3164.61
PZ - A4	760448.03	9851200.00	3162.63	3160.26	3160.26
PZ - A5	760491.76	9851200.00	3159.49	3157.37	3157.37
PZ - A6	760556.38	9851200.00	3156.87	3154.76	3154.76
PZ - A7	760638.25	9851296.76	3153.74	3151.63	3151.63
PZ - A8	760710.46	9851330.21	3150.66	3148.45	3148.45
PZ - A9	760784.19	9851353.17	3148.53	3146.23	3146.23
PZ - A10	760828.00	9851350.48	3142.09	3139.84	3139.84
PZ - A11	760920.67	9851348.18	3132.88	3132.68	3132.68
PZ - A12	760946.00	9851400.00	3133.04	3130.13	3130.13
PZ - A13	760996.53	985114.63	3127.05	3124.05	3124.05
PZ - A14	761045.40	9851428.92	3121.20	3118.39	3118.39
PZ - A15	761095.02	9851442.72	3116.87	3114.06	3114.06
PZ - A16	761143.24	9851463.83	3112.44	3110.14	3110.14
PZ - A17	761206.84	9851530.76	3107.84	3105.91	3105.91
PZ - A18	761276.00	9851599.00	3103.25	3101.25	3101.25
PZ - A19	761344.88	9851676.75	3098.85	3094.80	3094.80
PZ - A20	761404.09	9851726.56	3094.50	3087.85	3087.85
PZ - A21	761444.76	9851781.15	3087.86	3084.41	3084.41
PZ - A22	761500.29	9851824.89	3081.44	3078.67	3078.67
PZ - A23	761552.93	9851883.72	3077.99	3075.54	3075.54
PZ - A24	761600.48	9851950.75	3075.02	3072.35	3072.35
PZ - A25	761644.98	9852017.73	3072.04	3069.64	3069.64
PZ - A26	761684.76	9852083.97	3067.86	3066.41	3066.41
PZ - A27	761720.14	9852150.84	3070.07	3067.75	3067.75
PZ - A28	761750.00	9852218.10	3069.08	3067.28	3067.28
PZ - A29	761784.06	9852283.30	3066.80	3065.80	3065.80
PZ - A30	761828.79	9852348.27	3064.76	3063.31	3063.31
PZ - A31	761868.39	9852414.12	3061.97	3060.37	3060.37
PZ - A32	761910.80	9852480.60	3054.51	3052.91	3052.91
PZ - A33	761956.24	9852548.20	3048.05	3046.45	3046.45
PZ - A34	762003.79	9852617.97	3043.35	3041.70	3041.70
PZ - A35	762053.48	9852689.73	3042.07	3040.57	3040.57
PZ - A36	762105.00	9852763.51	3038.71	3037.31	3037.31
PZ - A37	762158.17	9852839.32	3033.91	3032.31	3032.31
PZ - A38	762213.00	9852917.13	3032.28	3031.18	3031.18
PZ - A39	762269.36	9852997.21	3029.13	3029.13	3029.13
ALOBAMBA					
PZ - A40	760884.74	9851263.30	3150.39	3149.19	3149.19
PZ - A41	760946.00	9851300.32	3142.38	3148.63	3148.63
PZ - A42	760991.33	9851337.08	3150.84	3147.14	3147.14
PZ - A43	761038.19	9851353.17	3148.53	3146.23	3146.23
TRAMO A					
PZ - A44	760974.33	9851080.81	3177.92	-	3175.05
PZ - A45	760963.15	9851301.32	3142.38	3138.43	3138.43
PZ - A46	760946.00	9851400.00	3133.04	3130.13	3130.13
TRAMO B					
PZ - A47	760223.53	9851080.81	3177.92	-	3175.05
PZ - A48	760289.21	9851138.61	3172.05	3170.05	3170.05
PZ - A49	760353.38	9851190.84	3167.33	3164.38	3164.38
PZ - A50	760446.58	9851240.60	3162.32	3159.60	3159.60
PZ - A51	760540.10	9851296.76	3158.82	3155.87	3155.87
PZ - A52	760644.80	9851350.74	3154.41	3153.96	3153.96
PZ - A53	760760.68	9851408.28	3150.86	3151.31	3151.31
PZ - A54	760888.33	9851466.78	3147.12	3147.12	3147.12
PZ - A55	761028.88	9851528.41	3143.31	3143.31	3143.31
PZ - A56	761180.18	9851586.38	3134.04	3131.38	3131.38
PZ - A57	761343.29	9851640.14	3126.23	3124.24	3124.24
PZ - A58	761516.02	9851698.66	3120.93	3117.93	3117.93
PZ - A59	761700.00	9851750.15	3116.15	3114.15	3114.15
PZ - A60	761894.00	9851800.00	3112.13	3109.32	3109.32
PZ - A61	762100.00	9851846.18	3107.98	3105.43	3105.43
PZ - A62	762323.53	9851890.81	3103.02	3101.02	3101.02
PZ - A63	762568.00	9851932.58	3098.81	3097.55	3097.55
PZ - A64	762823.79	9851970.14	3094.23	3094.44	3094.44
PZ - A65	763090.00	9852000.00	3089.00	3089.30	3089.30
PZ - A66	763368.00	9852028.76	3083.76	3079.76	3079.76
PZ - A67	763658.00	9852066.51	3078.51	3074.48	3074.48
PZ - A68	763960.00	9852104.26	3073.26	3071.40	3071.40
PZ - A69	764274.00	9852142.01	3068.01	3067.18	3067.18
PZ - A70	764600.00	9852179.76	3062.76	3064.51	3064.51
PZ - A71	764938.00	9852217.51	3057.51	3061.84	3061.84

DETALLES POZOS

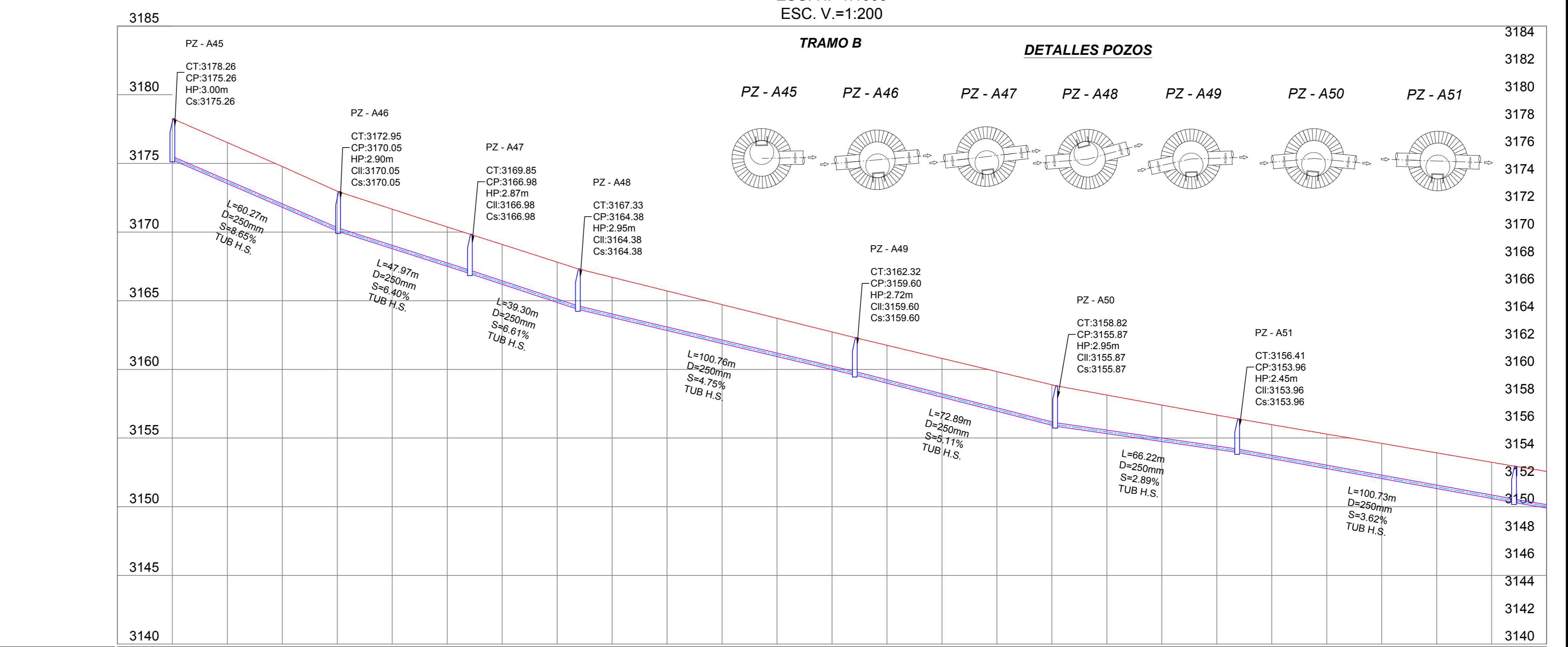


PERFIL LONGITUDINAL



COTA TERRENO	3052.81	3054.41	3052.71	3050.01	3048.41	3047.01	3045.01	3043.01	3041.01	3039.01	3037.01	3035.01	3033.01	3031.01	3029.01	3027.01	3025.01
COTA PROYECTO	3052.81	3051.11	3051.11	3049.41	3048.71	3047.71	3046.01	3044.31	3042.71	3041.01	3039.31	3037.61	3035.91	3034.21	3032.51	3030.81	3029.11
CORTE	1.60	1.60	1.59	1.60	1.61	1.63	1.64	1.58	1.49	1.63	1.57	1.39	1.37	1.35	1.17	0.75	
ABSCISA	2+140	2+160	2+180	2+200	2+220	2+240	2+260	2+280	2+300	2+320	2+340	2+360	2+380	2+400	2+420	2+440	2+460

PERFIL LONGITUDINAL



COTA TERRENO	3175.26	3178.26	3175.62	3174.67	3173.67	3172.67	3171.67	3170.67	3169.67	3168.67	3167.67	3166.67	3165.67	3164.67	3163.67	3162.67	3161.67	3160.67	3159.67	3158.67	3157.67	3156.67	3155.67	3154.67	3153.67	3152.67	3151.67	3150.67	
COTA PROYECTO	3175.26	3173.26	3173.26	3171.26	3170.26	3169.26	3168.26	3167.26	3166.26	3165.26	3164.26	3163.26	3162.26	3161.26	3160.26	3159.26	3158.26	3157.26	3156.26	3155.26	3154.26	3153.26	3152.26	3151.26	3150.26	3149.26	3148.26	3147.26	3146.26
CORTE	3.00	2.99	2.97	2.90	2.88	2.87	2.90	2.94	2.92	2.88	2.83	2.78	2.74	2.76	2.82	2.89	2.95	2.81	2.65	2.50	2.48	2.52	2.56	2.60	2.64				
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480				

G.A.D. MUNICIPAL DEL CANTÓN TISALEO

REGISTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JOSE, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARriba, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUÍ.

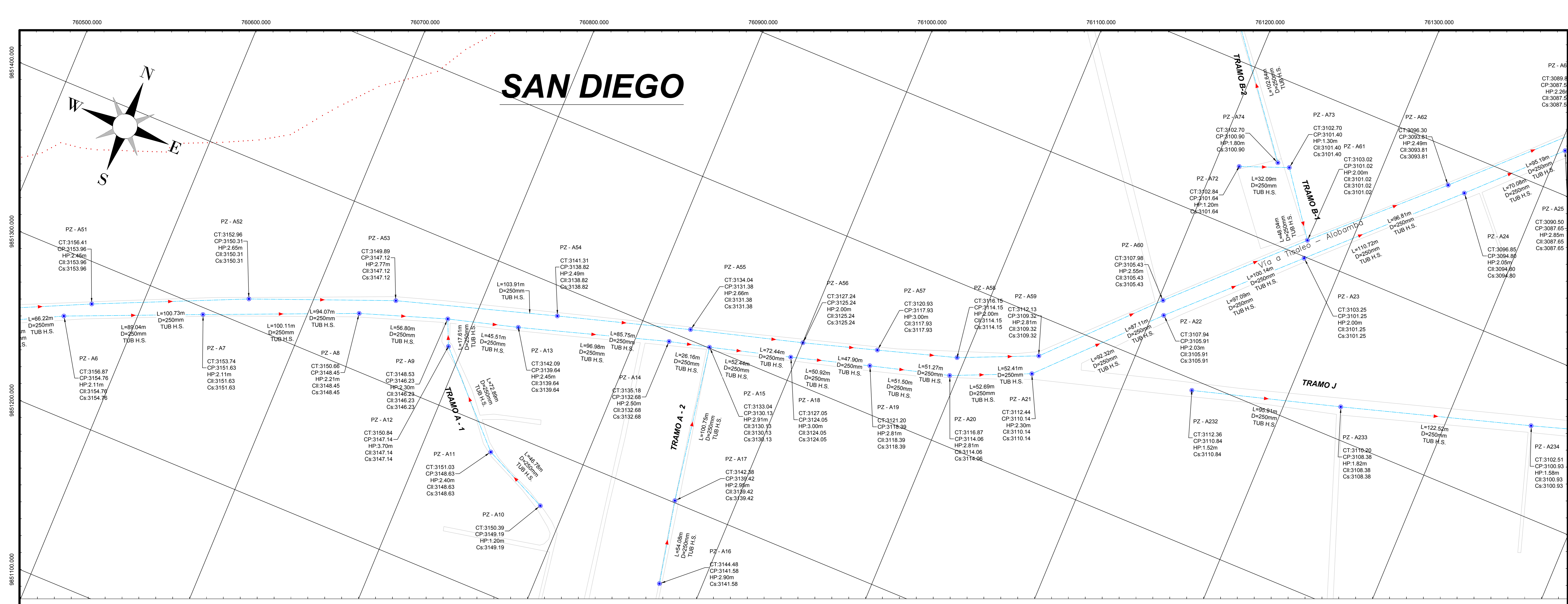
CONTIENE:
 RED DE ALCANTARILLADO SANTO SAN DIEGO - ALOBAMBA, TRAMO A-B

UNIVERSIDAD TÉCNICA DE AMBATO
 FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA
 CÁTEDRA DE INGENIERÍA EN INGENIERÍA

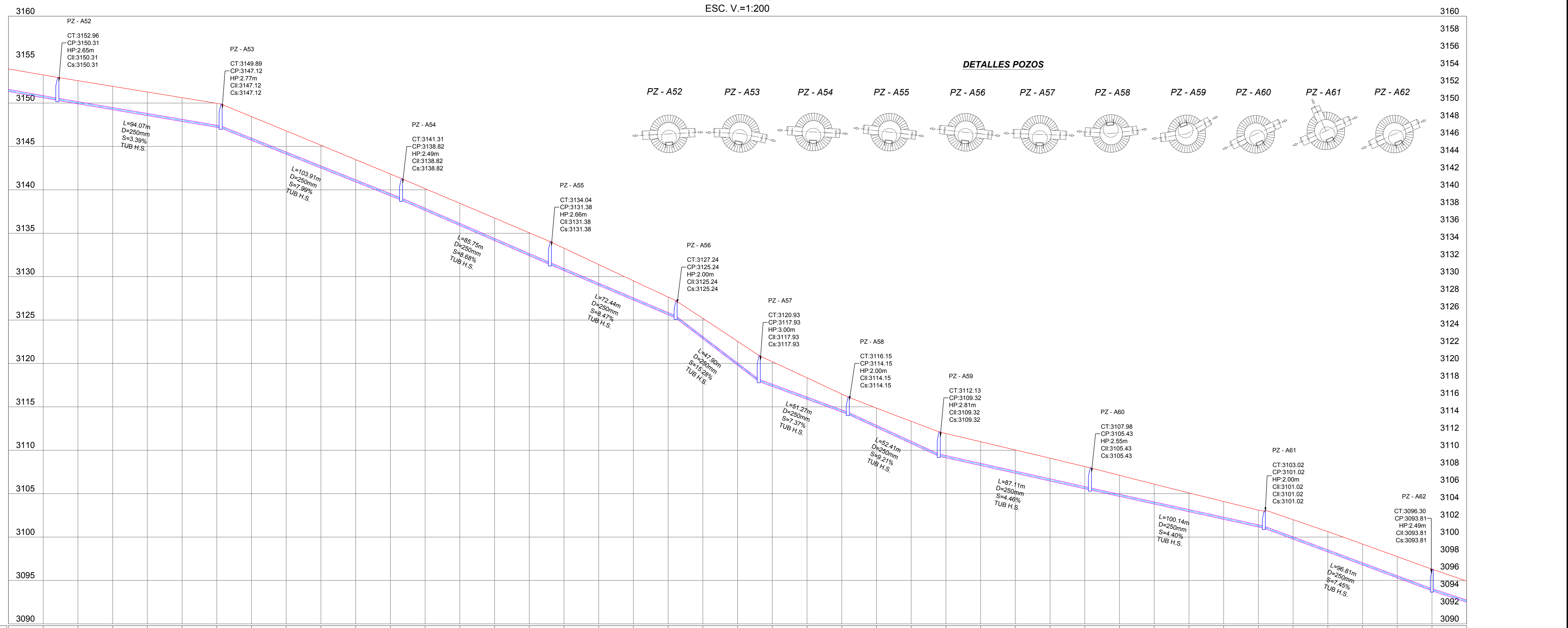
FECHA: NOVIEMBRE 2022

ELABORADO POR: Egda Tanya Bonita Testa
 REVISADO POR: Ing. Gato Núñez Tutor
 APROBADO POR: Ing. Gato Núñez Tutor

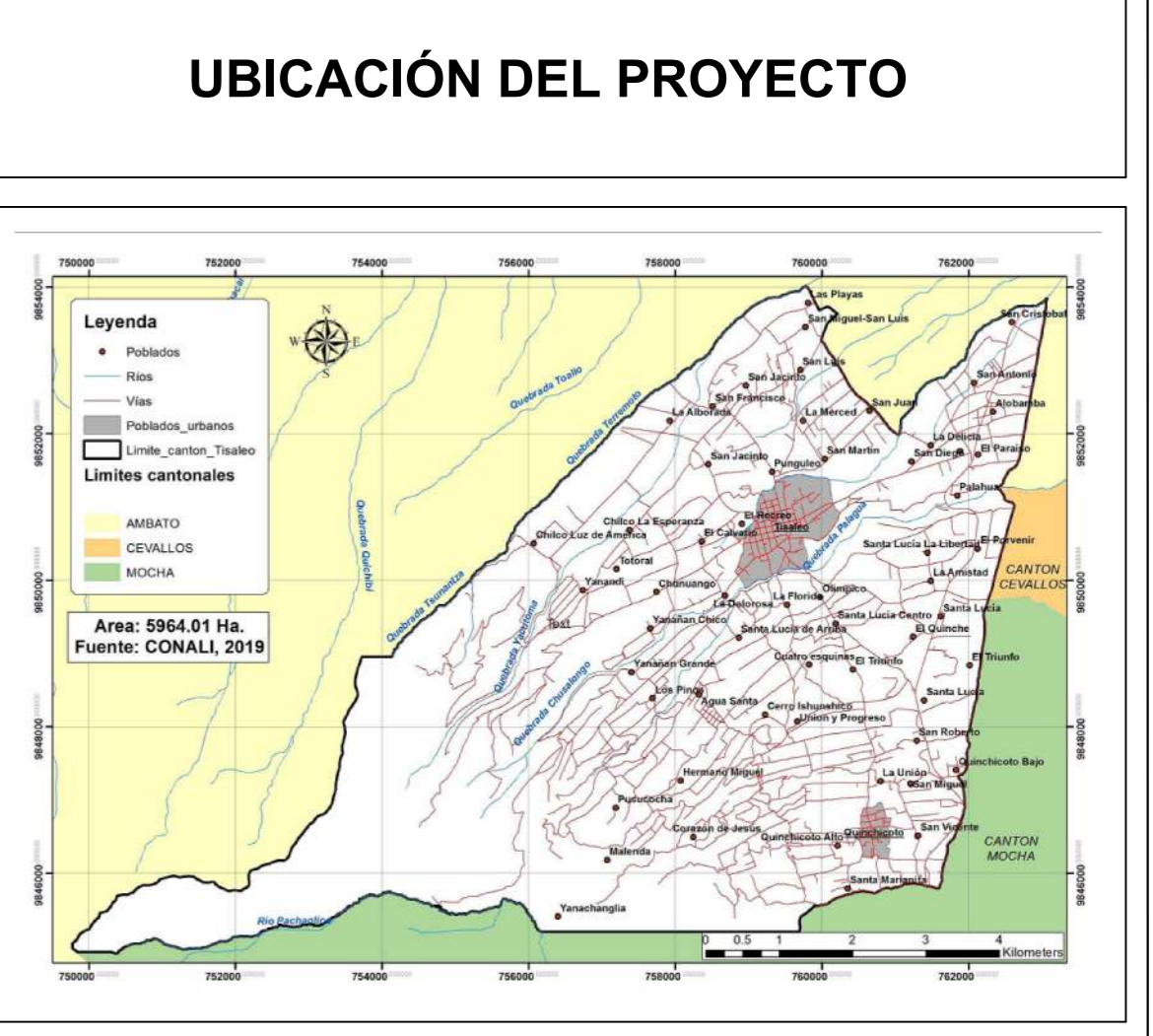
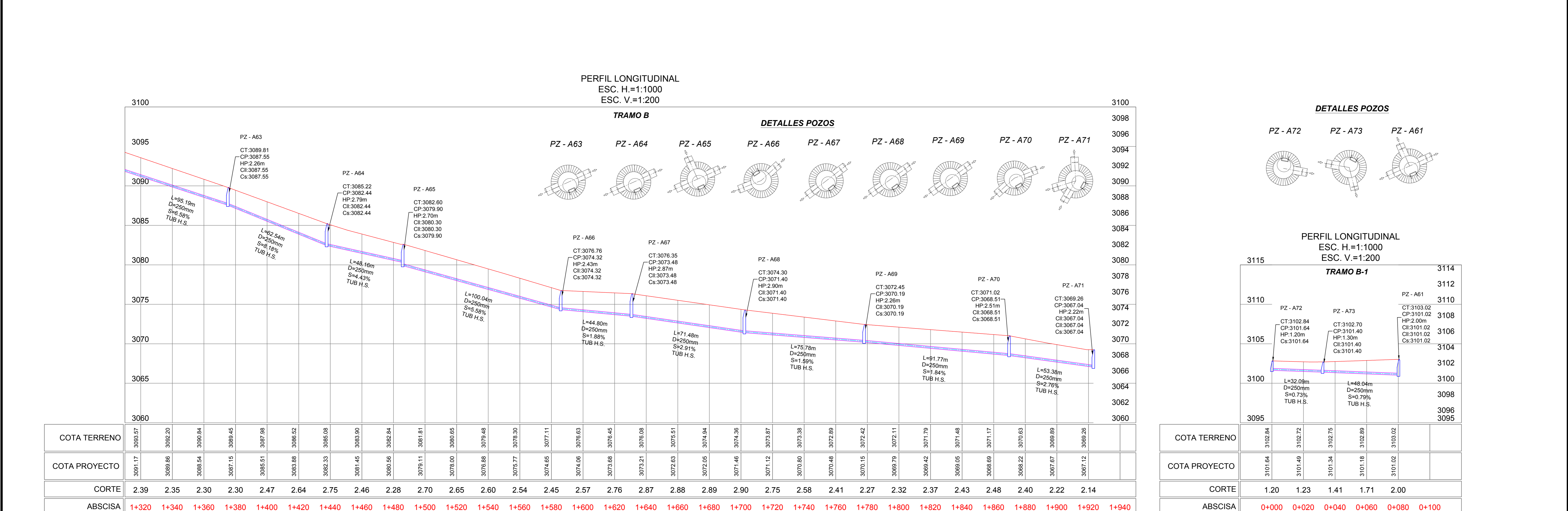
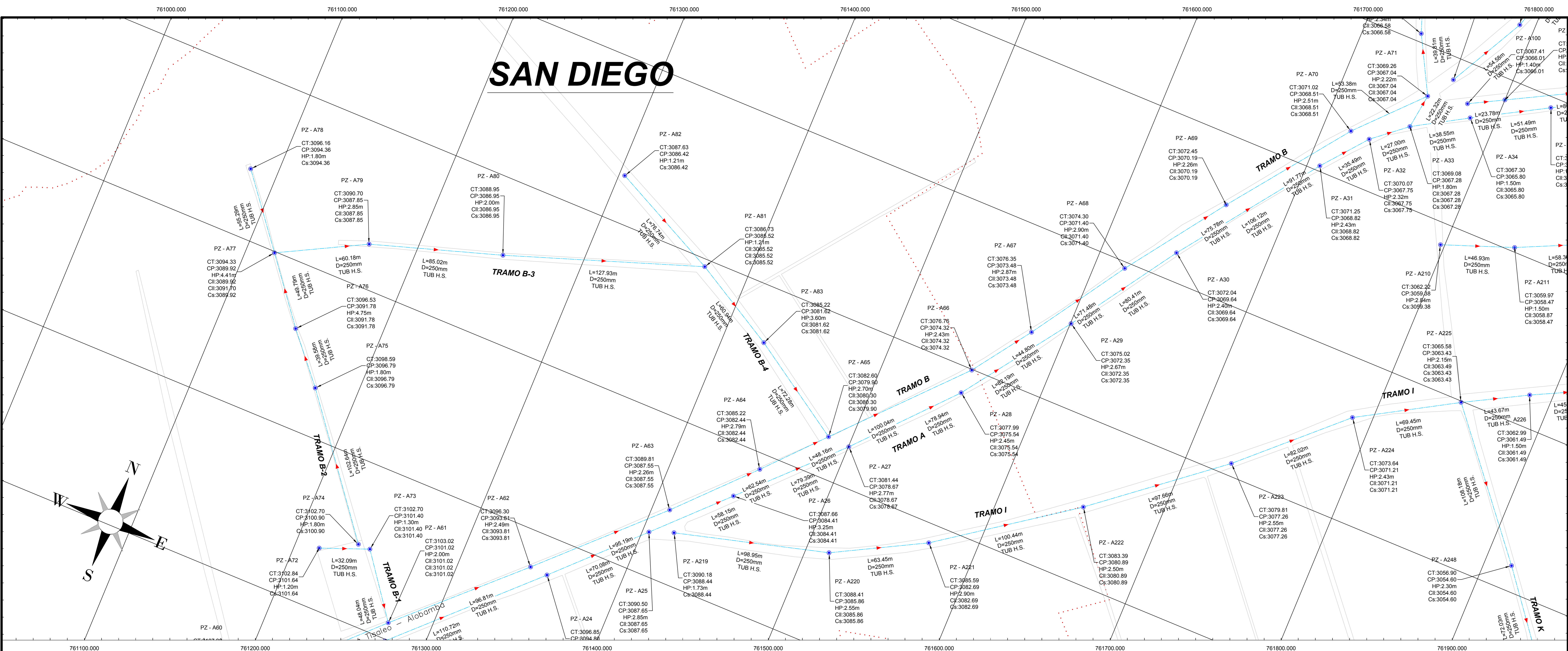
SECTOR: ALOBAMBA - SAN DIEGO
 ESCALA: 1:1000
 LÁMINA: LÁMINA 04
 TOTAL LÁMINAS: 27



PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



	480	500	520	540	560	580	600	620	640	660	680	700	720	740	760	780	800	820	840	860	880	900	920	940	960	980	1000	1020	1040	1060	1080	1100	1120	1140	1160	1180	1200	1220	1240	1260	1280																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
COTA TERRENO	3152.24	3152.97	3153.27	3153.82	3154.27	3154.62	3154.96	3155.29	3155.62	3155.95	3156.28	3156.61	3156.94	3157.27	3157.60	3157.93	3158.26	3158.59	3158.92	3159.25	3159.58	3159.91	3160.24	3160.57	3160.90	3161.23	3161.56	3161.89	3162.22	3162.55	3162.88	3163.21	3163.54	3163.87	3164.20	3164.53	3164.86	3165.19	3165.52	3165.85	3166.18	3166.51	3166.84	3167.17	3167.50	3167.83	3168.16	3168.49	3168.82	3169.15	3169.48	3169.81	3170.14	3170.47	3170.80	3171.13	3171.46	3171.79	3172.12	3172.45	3172.78	3173.11	3173.44	3173.77	3174.10	3174.43	3174.76	3175.09	3175.42	3175.75	3176.08	3176.41	3176.74	3177.07	3177.40	3177.73	3178.06	3178.39	3178.72	3179.05	3179.38	3179.71	3180.04	3180.37	3180.70	3181.03	3181.36	3181.69	3182.02	3182.35	3182.68	3183.01	3183.34	3183.67	3184.00	3184.33	3184.66	3184.99	3185.32	3185.65	3185.98	3186.31	3186.64	3186.97	3187.30	3187.63	3187.96	3188.29	3188.62	3188.95	3189.28	3189.61	3189.94	3190.27	3190.60	3190.93	3191.26	3191.59	3191.92	3192.25	3192.58	3192.91	3193.24	3193.57	3193.90	3194.23	3194.56	3194.89	3195.22	3195.55	3195.88	3196.21	3196.54	3196.87	3197.20	3197.53	3197.86	3198.19	3198.52	3198.85	3199.18	3199.51	3199.84	3200.17	3200.50	3200.83	3201.16	3201.49	3201.82	3202.15	3202.48	3202.81	3203.14	3203.47	3203.80	3204.13	3204.46	3204.79	3205.12	3205.45	3205.78	3206.11	3206.44	3206.77	3207.10	3207.43	3207.76	3208.09	3208.42	3208.75	3209.08	3209.41	3209.74	3210.07	3210.40	3210.73	3211.06	3211.39	3211.72	3212.05	3212.38	3212.71	3213.04	3213.37	3213.70	3214.03	3214.36	3214.69	3215.02	3215.35	3215.68	3216.01	3216.34	3216.67	3217.00	3217.33	3217.66	3217.99	3218.32	3218.65	3218.98	3219.31	3219.64	3219.97	3220.30	3220.63	3220.96	3221.29	3221.62	3221.95	3222.28	3222.61	3222.94	3223.27	3223.60	3223.93	3224.26	3224.59	3224.92	3225.25	3225.58	3225.91	3226.24	3226.57	3226.90	3227.23	3227.56	3227.89	3228.22	3228.55	3228.88	3229.21	3229.54	3229.87	3230.20	3230.53	3230.86	3231.19	3231.52	3231.85	3232.18	3232.51	3232.84	3233.17	3233.50	3233.83	3234.16	3234.49	3234.82	3235.15	3235.48	3235.81	3236.14	3236.47	3236.80	3237.13	3237.46	3237.79	3238.12	3238.45	3238.78	3239.11	3239.44	3239.77	3240.10	3240.43	3240.76	3241.09	3241.42	3241.75	3242.08	3242.41	3242.74	3243.07	3243.40	3243.73	3244.06	3244.39	3244.72	3245.05	3245.38	3245.71	3246.04	3246.37	3246.70	3247.03	3247.36	3247.69	3248.02	3248.35	3248.68	3249.01	3249.34	3249.67	3250.00	3250.33	3250.66	3250.99	3251.32	3251.65	3251.98	3252.31	3252.64	3252.97	3253.30	3253.63	3253.96	3254.29	3254.62	3254.95	3255.28	3255.61	3255.94	3256.27	3256.60	3256.93	3257.26	3257.59	3257.92	3258.25	3258.58	3258.91	3259.24	3259.57	3259.90	3260.23	3260.56	3260.89	3261.22	3261.55	3261.88	3262.21	3262.54	3262.87	3263.20	3263.53	3263.86	3264.19	3264.52	3264.85	3265.18	3265.51	3265.84	3266.17	3266.50	3266.83	3267.16	3267.49	3267.82	3268.15	3268.48	3268.81	3269.14	3269.47	3269.80	3270.13	3270.46	3270.79	3271.12	3271.45	3271.78	3272.11	3272.44	3272.77	3273.10	3273.43	3273.76	3274.09	3274.42	3274.75	3275.08	3275.41	3275.74	3276.07	3276.40	3276.73	3277.06	3277.39	3277.72	3278.05	3278.38	3278.71	3279.04	3279.37	3279.70	3280.03	3280.36	3280.69	3281.02	3281.35	3281.68	3282.01	3282.34	3282.67	3283.00	3283.33	3283.66	3283.99	3284.32	3284.65	3284.98	3285.31	3285.64	3285.97	3286.30	3286.63	3286.96	3287.29	3287.62	3287.95	3288.28	3288.61	3288.94	3289.27	3289.60	3289.93	3290.26	3290.59	3290.92	3291.25	3291.58	3291.91	3292.24	3292.57	3292.90	3293.23	3293.56	3293.89	3294.22	3294.55	3294.88	3295.21	3295.54	3295.87	3296.20	3296.53	3296.86	3297.19	3297.52	3297.85	3298.18	3298.51	3298.84	3299.17	3299.50	3299.83	3300.16	3300.49	3300.82	3301.15	3301.48	3301.81	3302.14	3302.47	3302.80	3303.13	3303.46	3303.79	3304.12	3304.45	3304.78	3305.11	3305.44	3305.77	3306.10	3306.43	3306.76	3307.09	3307.42	3307.75	3308.08	3308.41	3308.74	3309.07	3309.40	3309.73	3310.06	3310.39	3310.72	3311.05	3311.38	3311.71	3312.04	3312.37	3312.70	3313.03	3313.36	3313.69	3314.02	3314.35	3314.68	3315.01	3315.34	3315.67	3316.00	3316.33	3316.66	3316.99	3317.32	3317.65	3317.98	3318.31	3318.64	3318.97	3319.30	3319.63	3319.96	3320.29	3320.62	3320.95	3321.28	3321.61	3321.94	3322.27	3322.60	3322.93	3323.26	3323.59	3323.92	3324.25	3324.58	3324.91	3325.24	3325.57	3325.90	3326.23	3326.56	3326.89	3327.22	3327.55	3327.88	3328.21	3328.54	3328.87	3329.20	3329.53	3329.86	3330.19	3330.52	3330.85	3331.18	3331.51	3331.84	3332.17	3332.50	3332.83	3333.16	3333.49	3333.82	3334.15	3334.48	3334.81	3335.14	3335.47	3335.80	3336.13	3336.46	3336.79	3337.12	3337.45	3337.78	3338.11	3338.44	3338.77	3339.10	3339.43	3339.76	3340.09	3340.42	3340.75	3341.08	3341.41	3341.74	3342.07	3342.40	3342.73	3343.06	3343.39	3343.72	3344.05	3344.38	3344.71	3345.04	3345.37	3345.70	3346.03	3346.36	3346.69	3347.02	3347.35	3347.68	3348.01	3348.34	3348.67	3349.00	3349.33	3349.66	3350.00	3350.33	3350.66	3350.99	3351.32	3351.65	3351.98	3352.31	3352.64	3352.97	3353.30	3353.63	3353.96	3354.29	3354.62	3354.95	3355.28	3355.61	3355.94	3356.27	3356.60	3356.93	3357.26	3357.59	3357.92	3358.25	3358.58	3358.91	3359.24	3359.57	3359.90	3360.23	3360.56	3360.89	3361.22	3361.55	3361.88	3362.21	3362.54	3362.87	3363.20	3363.53	3363.86	3364.19	3364.52	3364.85	3365.18	3365.51	3365.84	3366.17	3366.50	3366.83	3367.16	3367.49	3367.82	3368.15	3368.48	3368.81	3369.14	3369.47	3369.80	3370.13	3370.46	3370.79	3371.12	3371.45	3371.78	3372.11	3372.44	3372.77	3373.10	3373.43	3373.76	3374.09	3374.42	3374.75	3375.08	3375.41	3375.74	3376.07	3376.40	3376.73	3377.06	3377.39	3377.72	3378.05	3378.38	3378.71	3379.04	3379.37	3379.70	3380.03	3380.36	3380.69	3381.02	3381.35	3381.68	3382.01	3382.34	3382.67	3383.00	3383.33	3383.66	3383.99	3384.32	3384.65	3384.98	3385.31	3385.64	3385.97	3386.30	3386.63	3386.96	3387.29	3387.62	3387.95	3388.28	3388.61	3388.94	3389.27	3389.60	3389.93	3390.26	3390.59	3390.92	3391.25	3391.58	3391.91	3392.24	3392.57	3392.90	3393.23	3393.56	3393.89	3394.22	3394.55	3394.88	3395.21	3395.54	3395.87	3396.20	3396.53	3396.86	3397.19	3397.52	3397.85	3398.18	3398.51	3398.84	3399.17	3399.50	3399.83	3400.16	3400.49	3400.82	3401.15	3401.48	3401.81	3402.14	3402.47	3402.80	3403.13	3403.46	3403.79	3404.12	3404.45	3404.78	3405.11	3405.44	3405.77	3406.10	3406.43	3406.76	3407.09	3407.42	3407.75	3408.08	3408.41	3408.74	3409.07	3409.40	3409.73	3410.06	3410.39	3410.72	3411.05	3411.38	3411.71	3412.04	3412.37	3412.70	3413.03	3413.36	3413.69	3414.02	3414.35	3414.68	3415.01	3415.34	3415.67	3416.00	3416.33	3416.66	3416.99	3417.32	3417.65	3417.98	3418.31	3418.64	3418.97	3419.30	3419.63	3419.96	3420.29	3420.62	3420.95	3421.28	3421.61	3421.94	3422.27	3422.60	3422.93	3423.26	3423.59	3423.92	3424.25	3424.58	3424.91	3425.24	3425.57	3425.90	3426.23	3426.56	3426.89	3427.22	3427.55	3427.88	3428.21	3428.54	3428.87	3429.20	3429.53	3429.86	3430.19	3430.52	3430.85	3431.18	3431.51	3431.84	3432.17	3432.50	3432.83	3433.16	3433.49	3433.82	3434.15	3434.48	3434.81	3435.14	3435.47	3435.80	3436.13	3436.46	3436.79	3437.12	3437.45	3437.78	3438.11	3438.44	3438.77	3439.10	3439.43	3439.76	3440.09	3440.42	3440.75	3441.08	3441.41	3441.74	3442.07	3442.40	3442.73	3443.06	3443.39	3443.72	3444.05	3444.38	3444.71	3445.04	3445.37	3445.70	3446.03	3446.36	3446.69	3447.02	3447.35	3447.68	3448.01	3448.34	3448.67	3449.00	3449.33	3449.66	3450.00	3450.33	3450.66	3450.99	3451.32	3451.65	3451.98	3452.31	3452.64	3452.97	3453.30	3453.63	3453.96	3454.29	3454.62	3454.95	3455.28	3455.61	3455.94	3456.27	3456.60	3456.93	3457.26	3457.59	3457.92	3458.25	3458.58	3458.91	3459.24	3459.57	3459.90	3460.23	3460.56	3460.89	3461.22	3461.55	3461.88	3462.21	3462.54	3462.87	3463.20	3463.53	3463.86	3464.19	3464.52	3464.85	3465.18	3465.51	3465.84	3466.17	3466.50	3466.83	3467.16	3467.49	3467.82	3468.15	3468.48	3468.81	3469.14	3469.47	3469.80	3470.13	3470.46	3470.79	3471.12	3471.45	3471.78	3472.11	3472.44	3472.77	3473.10	3473.43	3473.76</



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

TUBERÍA PVC D = 250mm
TUBERÍA H.S. D = 250mm

POZO DE REVISIÓN

PERFIL DEL TERRENO
CALLES / VÍAS
LÍMITES TERRITORIALES

L LONGITUD DEL TRAMO
D / Ø DIÁMETRO DE TUBERÍA
S GRADIENTE HIDRÁULICA
CT COTA TERRENO
CP COTA PROYECTO
CIL COTA DE LLEGADA
Cs COTA DE SALIDA
CA ALTA DE POZO

RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO B					
PZ - A45	760233.53	9851085.55	3178.26	-	3175.26
PZ - A46	760289.21	9851108.61	3172.95	3170.05	3170.05
PZ - A47	760332.23	9851129.85	3169.85	3166.86	3166.86
PZ - A48	760365.38	9851150.94	3167.33	3164.38	3164.38
PZ - A49	760446.58	9851210.60	3162.32	3159.60	3159.60
PZ - A50	760510.10	9851246.34	3158.82	3155.87	3155.87
PZ - A51	760589.90	9851274.79	3156.41	3153.96	3153.96
PZ - A52	760661.88	9851316.28	3152.96	3150.31	3150.31
PZ - A53	760740.00	9851351.29	3149.89	3147.12	3147.12
PZ - A54	760848.33	9851381.81	3141.31	3138.82	3138.82
PZ - A55	760930.48	9851406.38	3134.04	3131.38	3131.38
PZ - A56	761000.18	9851426.12	3127.24	3125.24	3125.24
PZ - A57	761046.01	9851440.02	3120.93	3117.93	3117.93
PZ - A58	761095.02	9851455.10	3116.15	3114.15	3114.15
PZ - A59	761143.00	9851476.16	3112.13	3109.32	3109.32
PZ - A60	761202.88	9851539.44	3107.98	3105.43	3105.43
PZ - A61	761273.57	9851610.37	3103.02	3101.02	3101.02
PZ - A62	761343.29	9851677.54	3096.30	3093.81	3093.81
PZ - A63	761410.86	9851744.58	3089.81	3087.55	3087.55
PZ - A64	761453.71	9851790.14	3085.23	3082.44	3082.44
PZ - A65	761486.02	9851825.86	3082.60	3080.30	3079.90
PZ - A66	761553.66	9851899.56	3076.76	3074.33	3074.33
PZ - A67	761579.43	9851936.20	3076.35	3073.48	3073.48
PZ - A68	761618.45	9851996.09	3074.30	3071.40	3071.40
PZ - A69	761662.41	9852057.82	3072.45	3070.19	3070.19
PZ - A70	761717.51	9852131.20	3071.02	3068.51	3068.51
PZ - A71	761753.95	9852170.21	3069.26	3067.04	3067.04
TRAMO B-1					
PZ - A72	761215.10	9851637.35	3102.84	-	3101.64
PZ - A73	761245.00	9851649.00	3102.70	3101.40	3101.40
PZ - A81	761273.57	9851610.37	3103.02	3101.02	3101.02
TRAMO B-2					
PZ - A74	761237.62	9851648.07	3102.70	-	3100.90
PZ - A75	761174.00	9851730.33	3098.59	3096.79	3096.79
PZ - A76	761148.15	9851760.01	3096.53	3091.78	3091.78
PZ - A77	761117.42	9851799.19	3094.33	3089.92	3089.92
PZ - A78	761083.14	9851842.56	3096.16	-	3094.36
PZ - A79	761117.42	9851799.19	3094.33	3091.70	3089.92
TRAMO B-3					
PZ - A77	761117.42	9851799.19	3094.33	-	3089.92
PZ - A79	761170.67	9851827.21	3090.70	3087.85	3087.85
PZ - A80	761251.64	9851853.14	3088.95	3086.95	3086.95
PZ - A81	761372.41	9851885.34	3086.73	3085.52	3085.52
TRAMO B-4					
PZ - A82	761303.57	9851929.23	3087.83	-	3086.42
PZ - A83	761372.41	9851853.14	3086.73	3085.52	3085.52
PZ - A84	761425.37	9851965.19	3085.22	3081.62	3081.62
PZ - A85	761486.02	9851825.86	3082.60	3080.30	3079.90

G.A.D. MUNICIPAL DEL CANTÓN TISALEO

REGISTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA

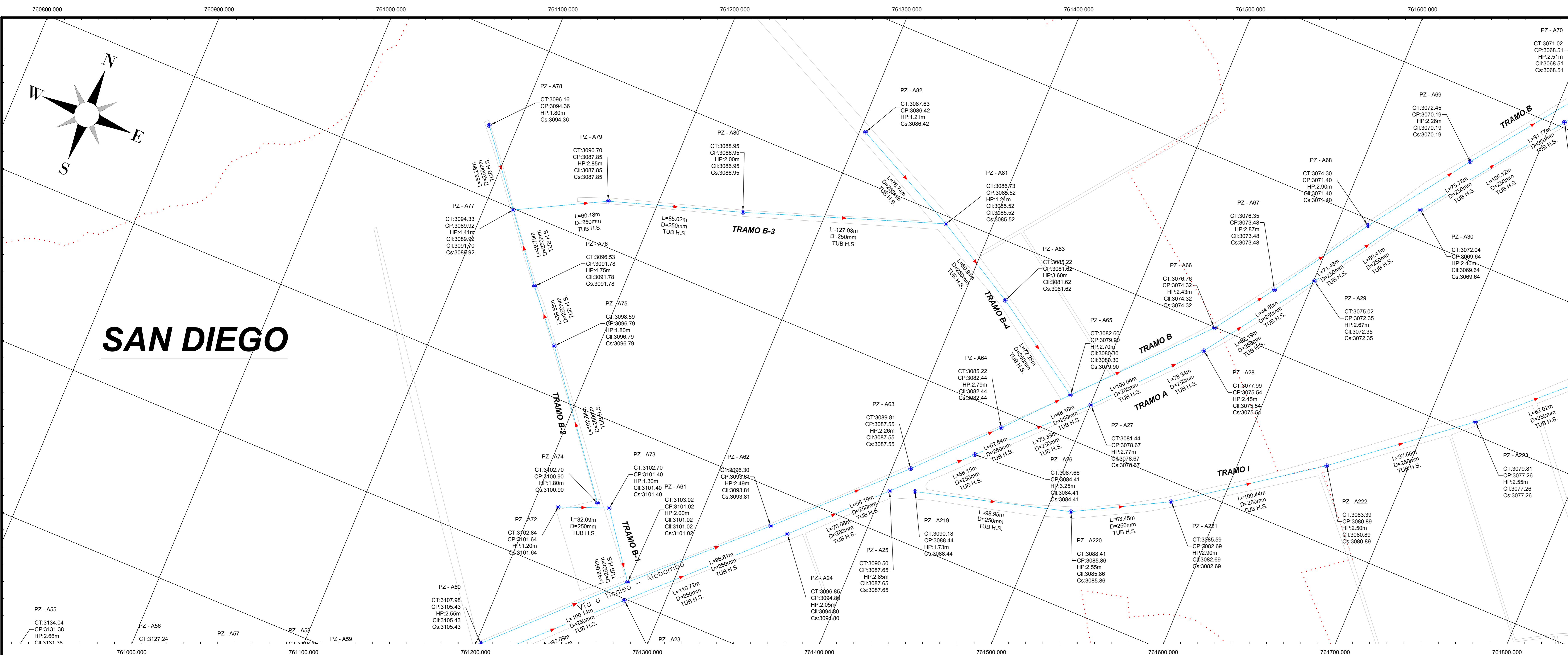
CONTIENE: RED DE ALCANTARILLADO SANTARRO SAN DIEGO - ALOBAMBA, TRAMO B. B-1

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: SAN DIEGO

FECHA: NOVIEMBRE 2022 ESCALA: 1:1000

ELABORADO POR: REVISADO POR: APROBADO POR: LÁMINA: LÁMINA 06 TOTAL LÁMINAS: 27

Ing. Tania Bonita Testa Ing. Gato Nuñez Tutor Ing. Gato Nuñez Tutor



SAN DIEGO

UBICACIÓN DEL PROYECTO

DATOS GEOGRÁFICOS

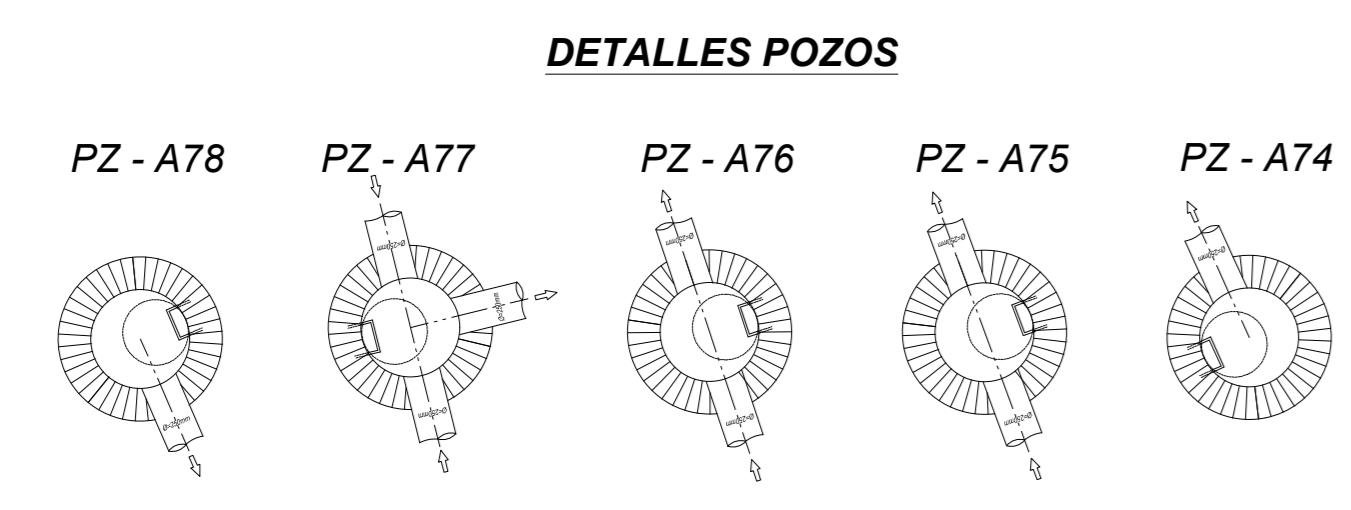
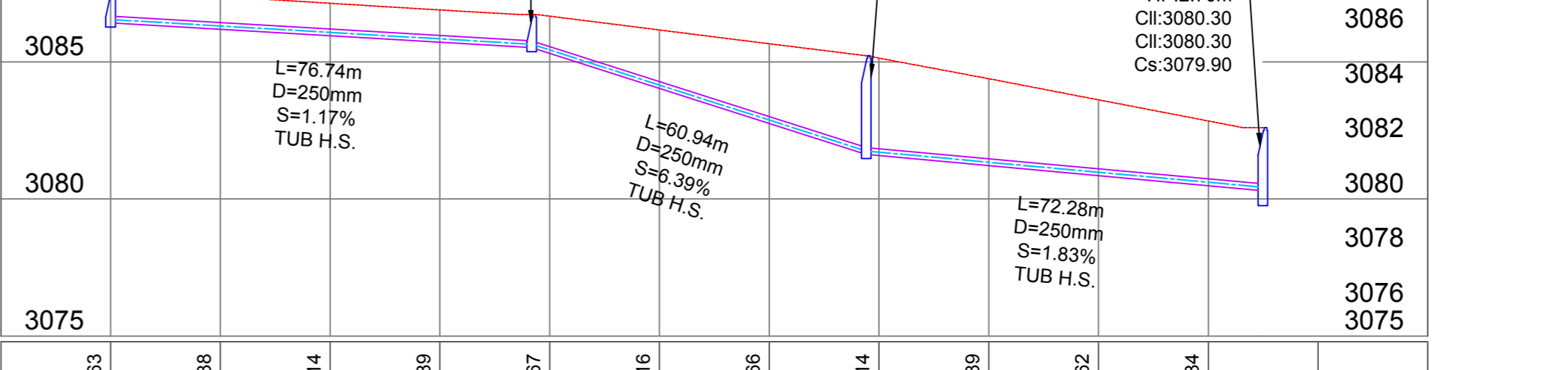
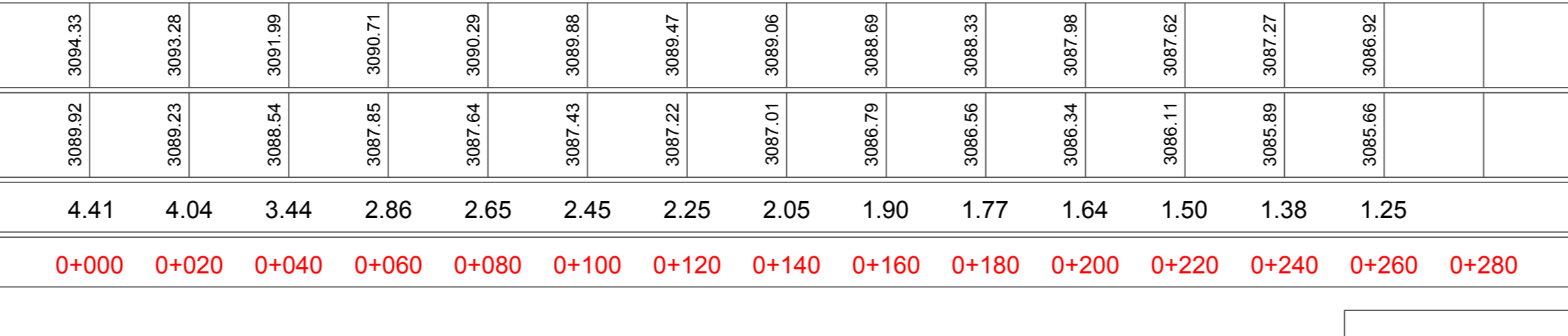
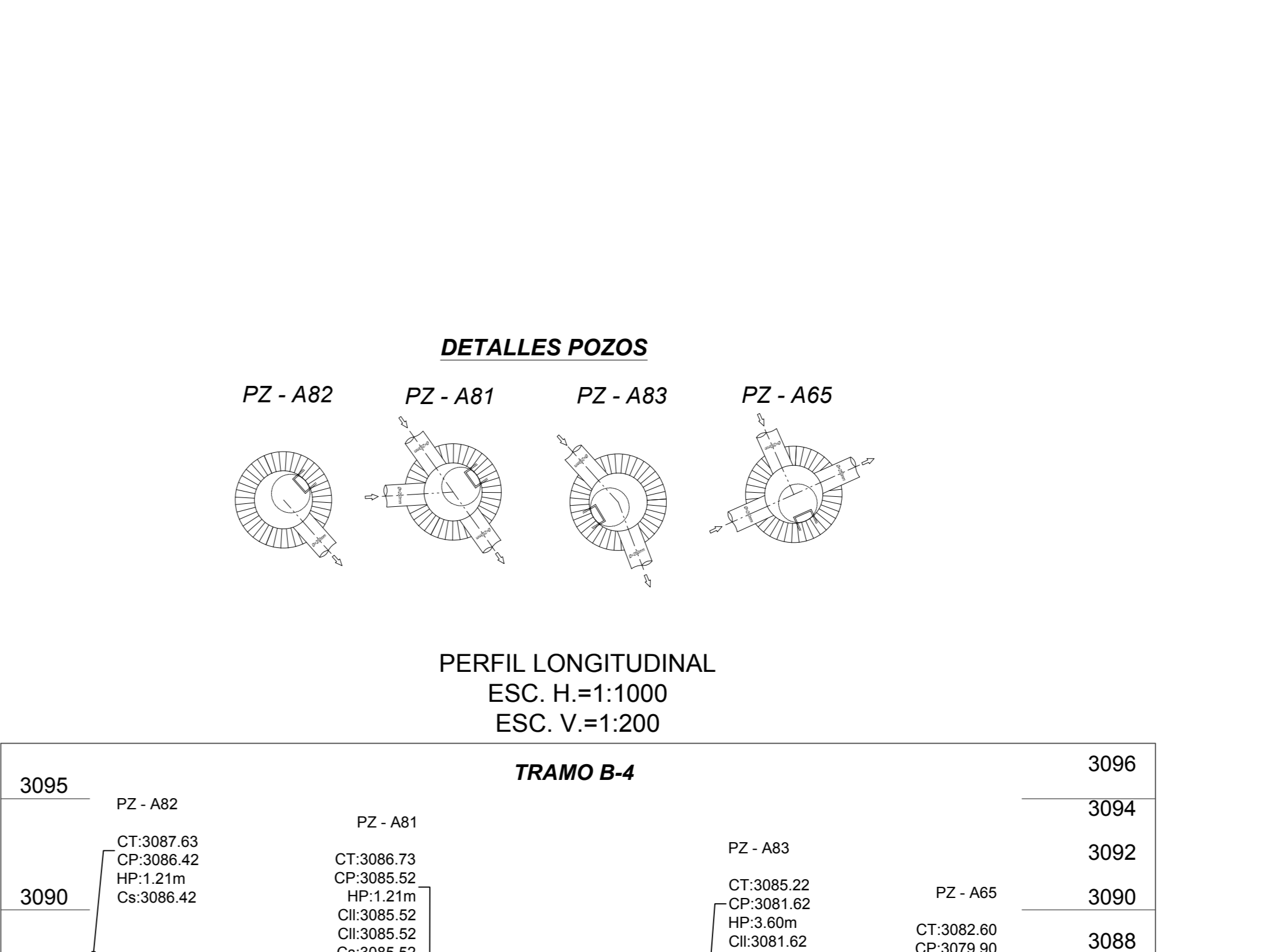
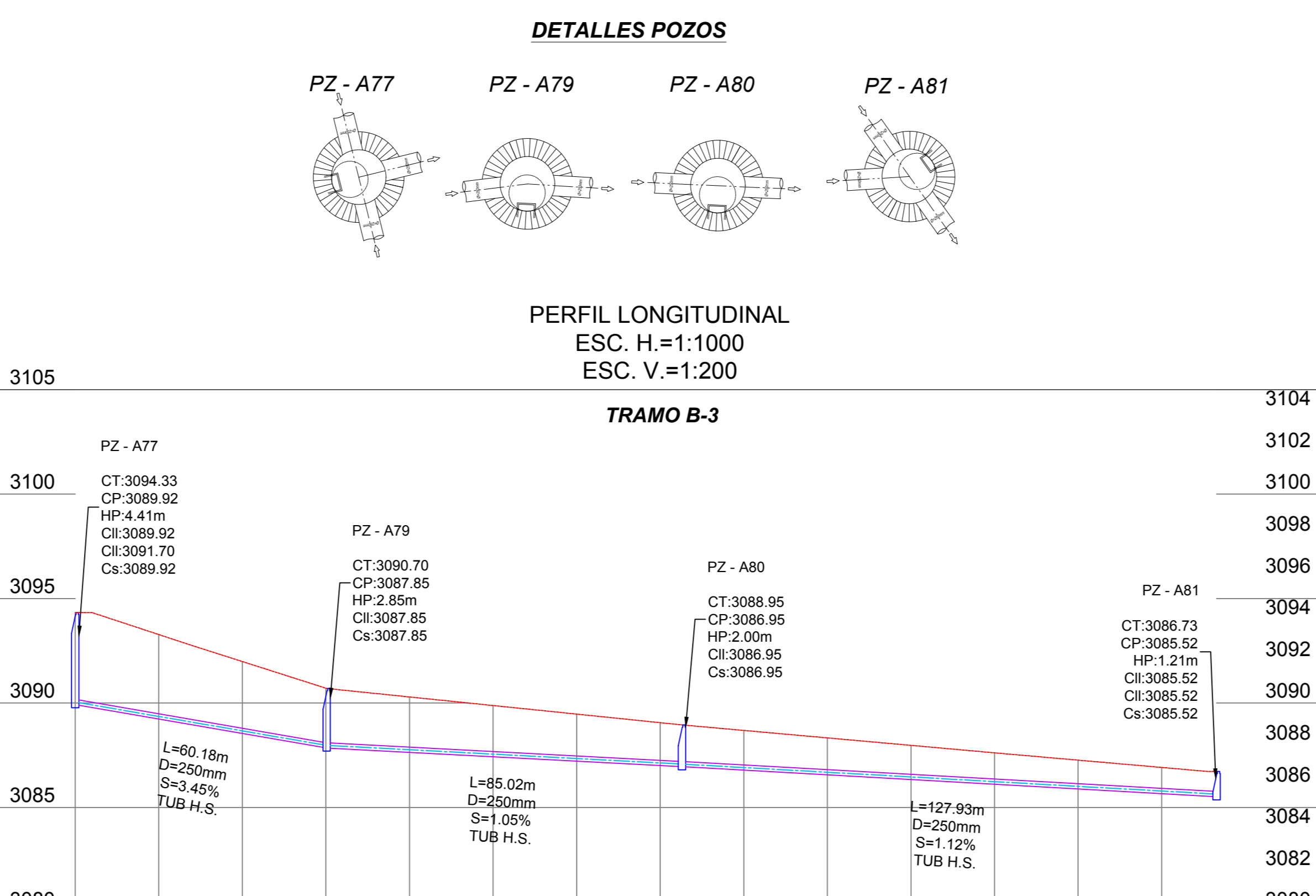
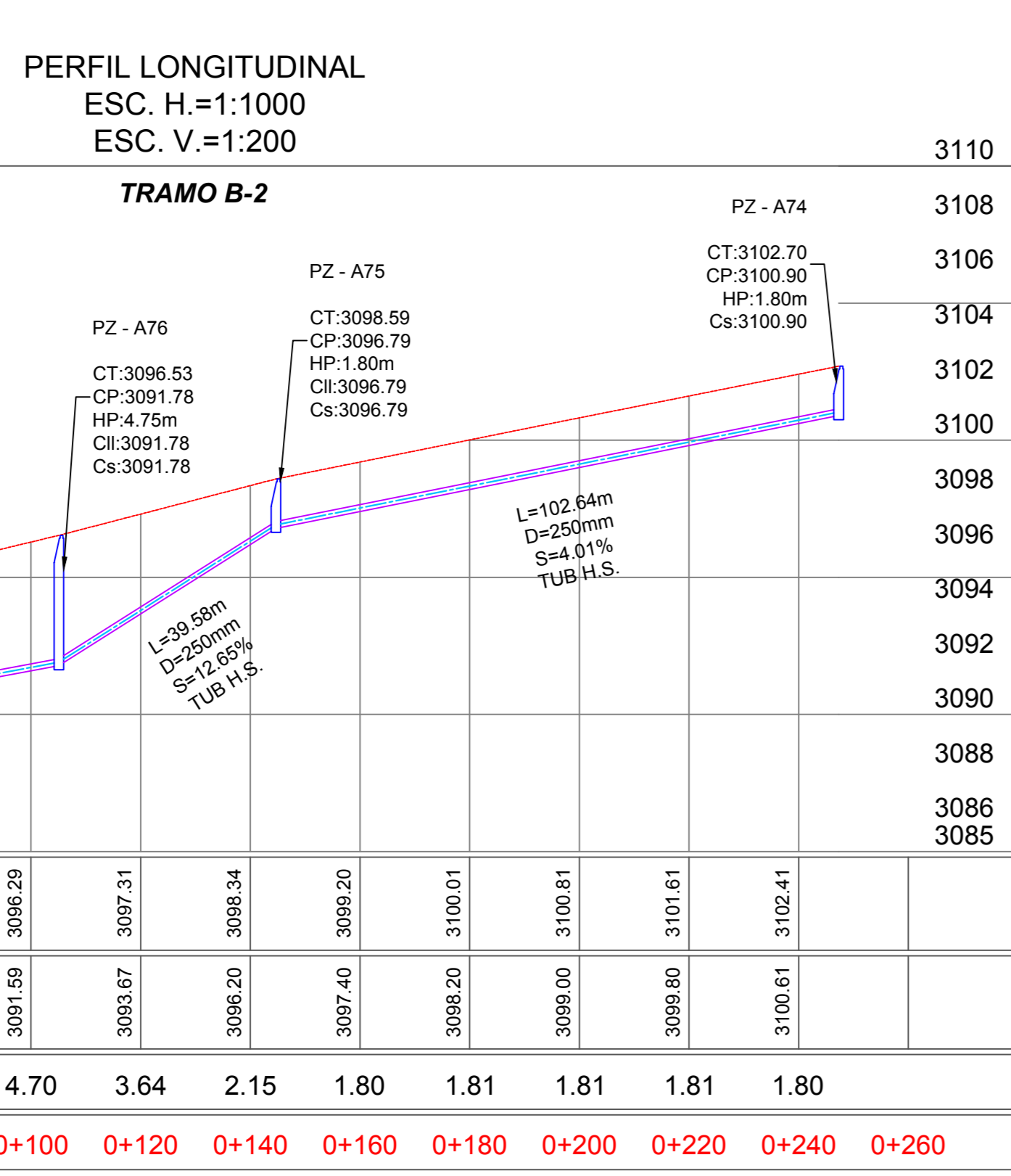
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- PERFIL DEL TERRENO
- CALLES / VÍAS
- LIMITES TERRITORIALES



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PZ-A45	760233.53	9851085.55	3178.26	-	3175.26
PZ-A46	760289.21	9851108.61	3172.95	3170.05	3170.05
PZ-A47	760332.23	9851129.85	3169.85	3166.98	3166.98
PZ-A48	760365.38	9851150.94	3167.33	3164.38	3164.38
PZ-A49	760446.58	9851210.60	3162.32	3159.80	3159.80
PZ-A50	760510.10	9851246.34	3158.82	3155.87	3155.87
PZ-A51	760569.90	9851274.79	3156.41	3153.96	3153.96
PZ-A52	760661.68	9851316.28	3152.86	3150.31	3150.31
PZ-A53	760749.00	9851351.29	3149.89	3147.12	3147.12
PZ-A54	760848.33	9851381.81	3141.31	3138.82	3138.82
PZ-A55	760930.48	9851406.38	3134.04	3131.38	3131.38
PZ-A56	761000.18	9851428.12	3127.24	3125.24	3125.24
PZ-A57	761046.01	9851440.02	3120.93	3117.93	3117.93
PZ-A58	761095.02	9851455.10	3116.15	3114.15	3114.15
PZ-A59	761143.00	9851476.16	3112.13	3109.32	3109.32
PZ-A60	761202.88	9851539.44	3107.98	3105.43	3105.43
PZ-A61	761273.57	9851610.37	3103.02	3101.02	3101.02
PZ-A62	761343.29	9851677.64	3096.30	3093.81	3093.81
PZ-A63	761410.86	9851744.58	3089.81	3087.55	3087.55
PZ-A64	761453.71	9851790.14	3085.23	3082.44	3082.44
PZ-A65	761486.02	9851825.86	3082.60	3080.30	3079.90
PZ-A66	761553.66	9851899.56	3076.76	3074.33	3074.33
PZ-A67	761578.43	9851936.20	3073.35	3073.48	3073.48
PZ-A68	761618.45	9851996.09	3074.30	3071.40	3071.40
PZ-A69	761662.41	9852057.82	3072.45	3070.19	3070.19
PZ-A70	761717.51	9852131.20	3071.02	3068.51	3068.51
PZ-A71	761753.95	9852170.21	3068.26	3067.04	3067.04
TRAMO B-1					
PZ-A72	761215.10	9851637.35	3102.84	-	3101.64
PZ-A73	761245.00	9851648.00	3102.70	3101.40	3101.40
PZ-A74	761273.57	9851670.37	3103.02	3101.02	3101.02
TRAMO B-2					
PZ-A75	761174.00	9851730.03	3098.59	3096.79	3096.79
PZ-A76	761148.15	9851780.01	3096.53	3091.78	3091.78
PZ-A77	761117.42	9851799.19	3094.33	3089.92	3089.92
PZ-A78	761083.14	9851842.56	3096.16	-	3094.36
PZ-A79	761117.42	9851799.19	3094.33	3091.70	3089.92
TRAMO B-3					
PZ-A77	761117.42	9851799.19	3094.33	-	3089.92
PZ-A79	761170.67	9851827.21	3090.70	3087.85	3087.85
PZ-A80	761251.64	9851853.14	3088.95	3086.95	3086.95
PZ-A81	761372.41	9851895.34	3086.73	3085.52	3085.52
TRAMO B-4					
PZ-A82	761303.57	9851929.23	3087.63	-	3086.42
PZ-A81	761372.41	9851895.34	3086.73	3085.52	3085.52
PZ-A83	761425.37	9851965.19	3085.22	3081.82	3081.82
PZ-A65	761486.02	9851825.86	3082.60	3080.30	3079.90

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

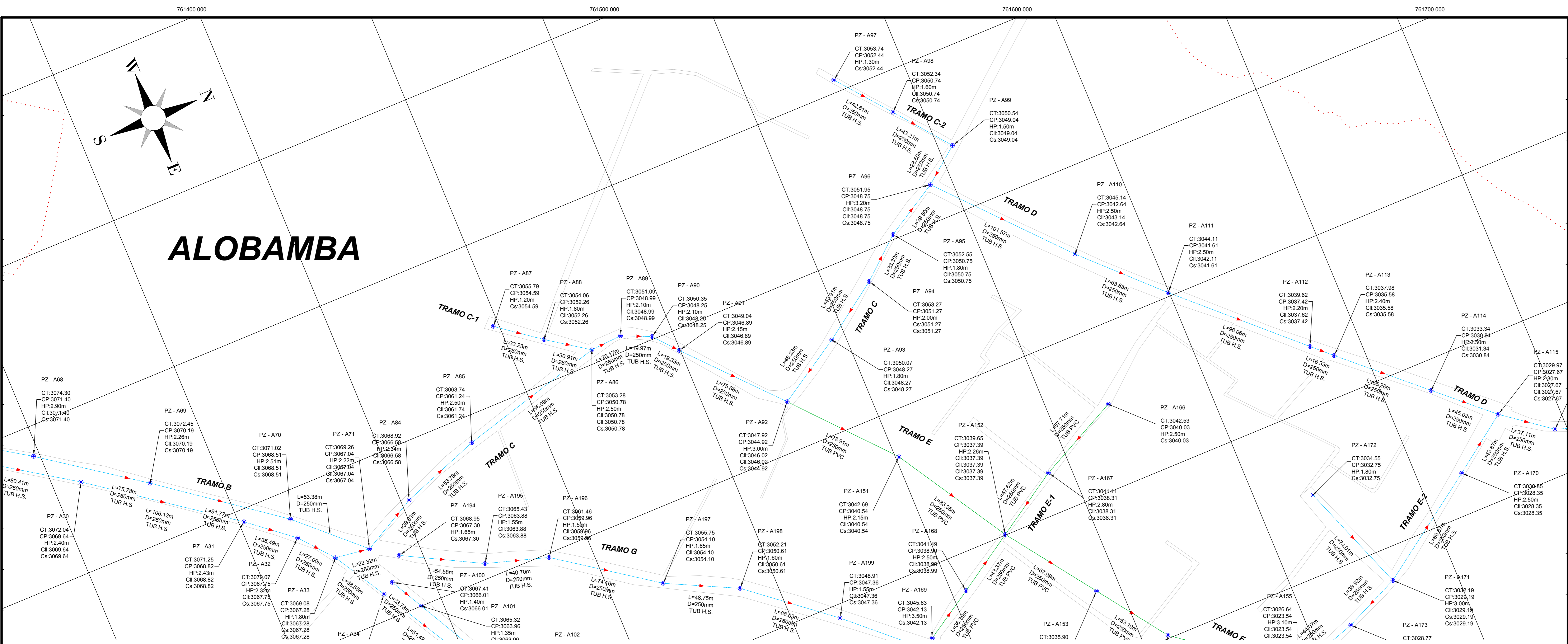
CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN DIEGO - ALOBAMBA, TRAMO B-2, B-3, B-4

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: SAN DIEGO

FECHA: NOVIEMBRE 2022 ESCALA: 1:1000

ELABORADO POR: Ing. Tania Bonita Testa REVISADO POR: Ing. Gato Nuñez Tutor APROBADO POR: Ing. Gato Nuñez Tutor

LÁMINA: LÁMINA 07 TOTAL LÁMINAS: 27



UBICACIÓN DEL PROYECTO

DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL: 3249 m

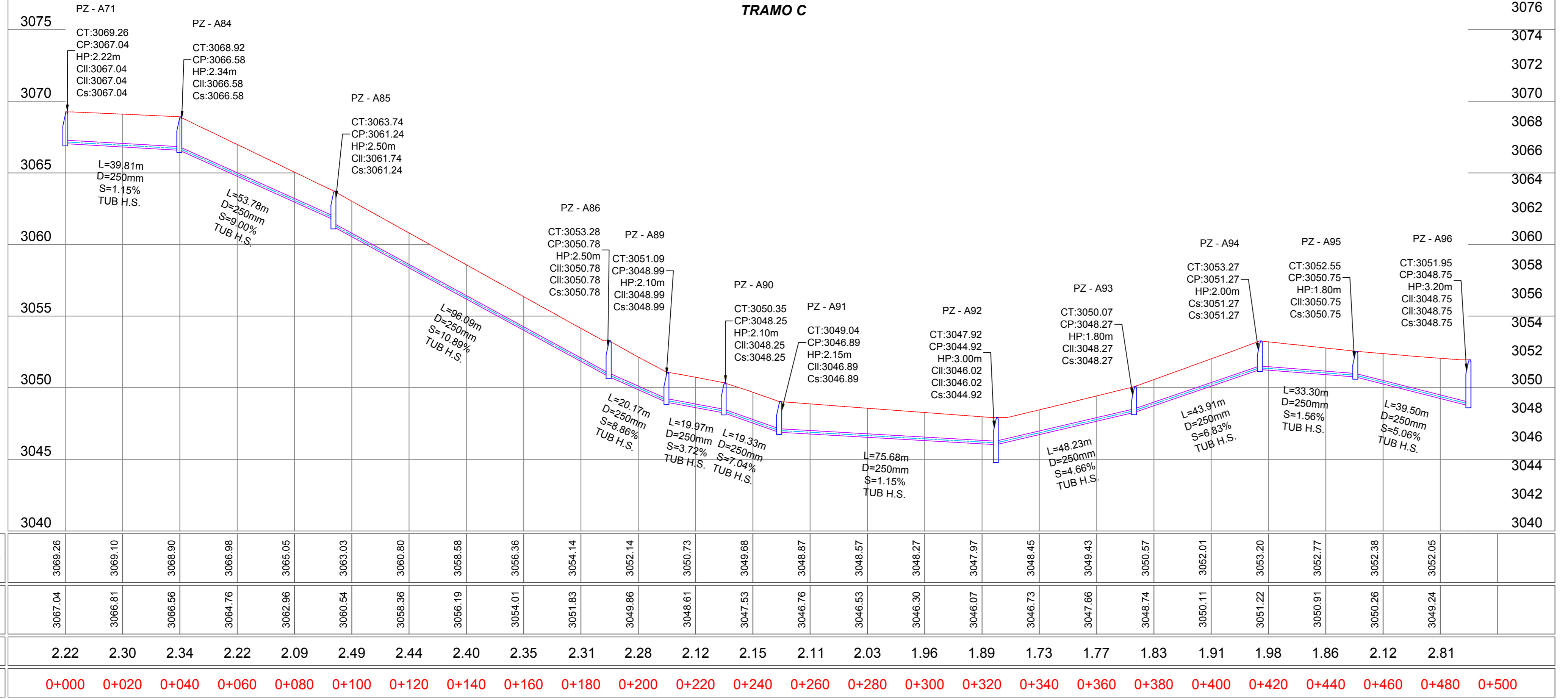
SIMBOLOGÍA

- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VIAS
- LIMITES TERRITORIALES

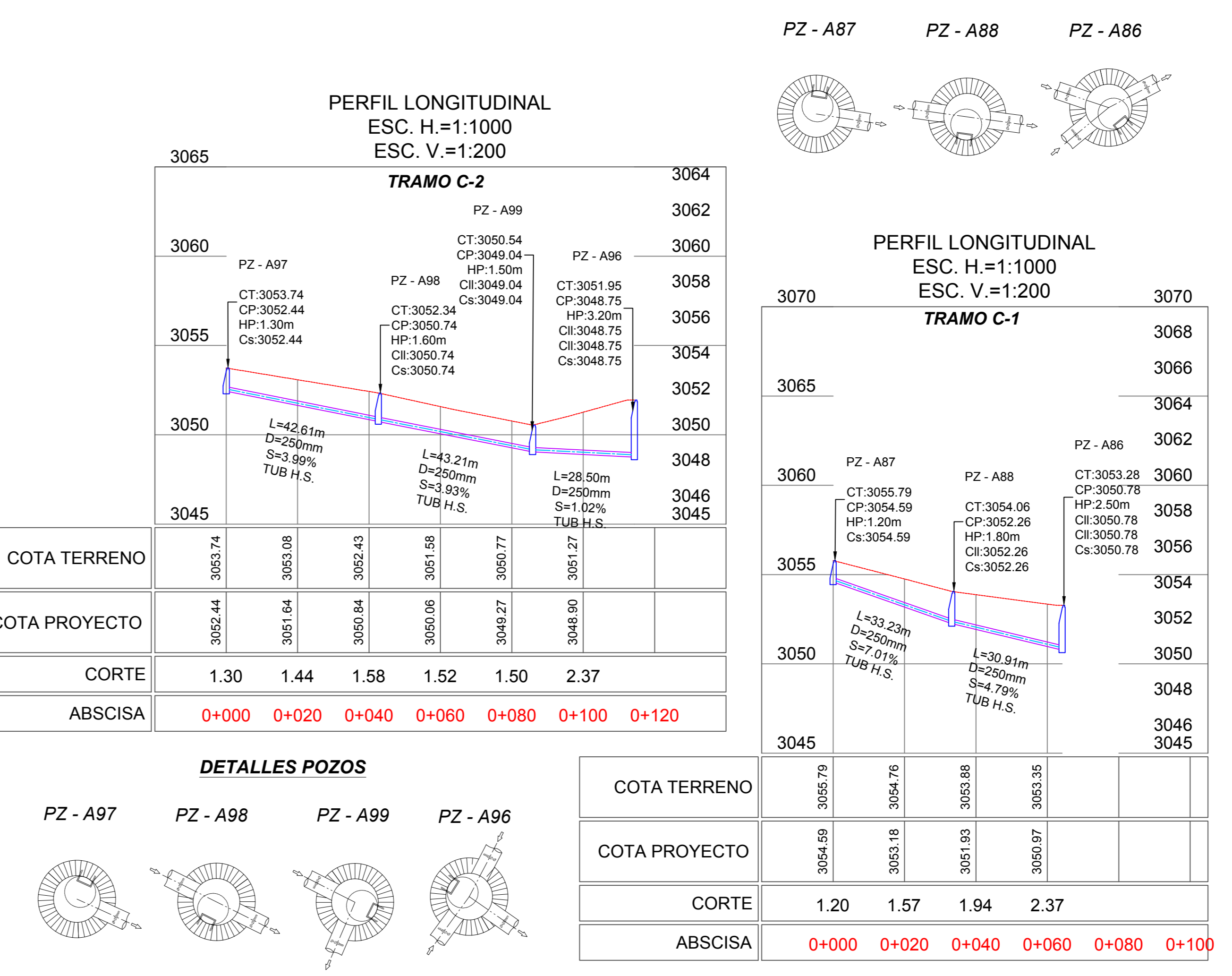
LEGENDA

- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENO
- CP COTA PROYECTO
- CI COTA DE LLEGADA
- Cs COTA DE SALIDA
- HP ALTURA DE POZO

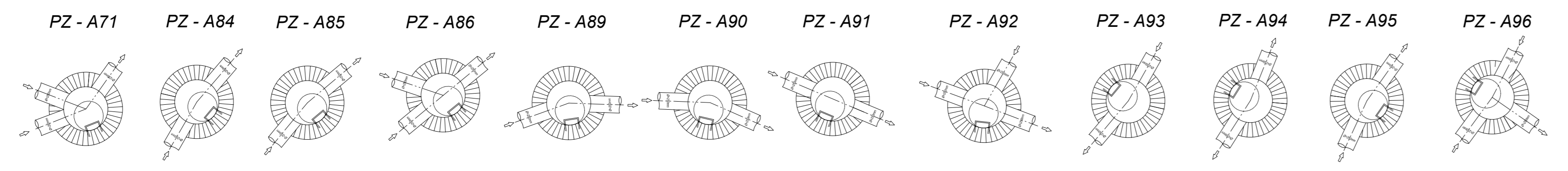
PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



DETALLES POZOS



DETALLES POZOS



RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO C					
PZ-A71	761753.95	9852170.21	3069.26	3066.58	3067.04
PZ-A84	761735.02	9852255.23	3068.92	3066.58	3066.58
PZ-A85	761716.57	9852255.74	3063.74	3061.74	3061.74
PZ-A86	761691.38	9852348.47	3053.28	3050.78	3050.78
PZ-A89	761690.17	9852368.61	3051.09	3048.99	3048.99
PZ-A90	761698.23	9852386.88	3050.35	3048.25	3048.25
PZ-A91	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A92	761769.08	9852450.17	3047.92	3046.02	3044.92
PZ-A94	761718.61	9852527.21	3053.27	3048.27	3048.27
PZ-A95	761743.74	9852481.21	3050.07	3048.27	3048.27
PZ-A96	761769.08	9852450.17	3047.92	3046.02	3044.92
PZ-A97	761653.81	9852296.51	3054.06	3052.26	3054.59
PZ-A98	761673.83	9852323.03	3054.06	3052.26	3052.26
PZ-A99	761691.38	9852348.47	3053.28	3050.78	3050.78
TRAMO C-1					
PZ-A87	761653.81	9852296.51	3054.06	3052.26	3054.59
PZ-A88	761673.83	9852323.03	3054.06	3052.26	3052.26
PZ-A86	761691.38	9852348.47	3053.28	3050.78	3050.78
TRAMO C-2					
PZ-A87	761653.81	9852296.51	3054.06	3052.26	3054.59
PZ-A88	761673.83	9852323.03	3054.06	3052.26	3052.26
PZ-A86	761691.38	9852348.47	3053.28	3050.78	3050.78
TRAMO D					
PZ-A88	761691.38	9852348.47	3053.28	3050.78	3050.78
PZ-A89	761690.17	9852368.61	3051.09	3048.99	3048.99
PZ-A90	761698.23	9852386.88	3050.35	3048.25	3048.25
PZ-A91	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A92	761769.08	9852450.17	3047.92	3046.02	3044.92
PZ-A94	761718.61	9852527.21	3053.27	3048.27	3048.27
PZ-A95	761743.74	9852481.21	3050.07	3048.27	3048.27
PZ-A96	761769.08	9852450.17	3047.92	3046.02	3044.92
PZ-A97	761653.81	9852296.51	3054.06	3052.26	3054.59
PZ-A98	761673.83	9852323.03	3054.06	3052.26	3052.26
PZ-A99	761691.38	9852348.47	3053.28	3050.78	3050.78
PZ-A100	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A101	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A102	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A103	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A104	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A105	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A106	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A107	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A108	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A109	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A110	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A111	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A112	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A113	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A114	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A115	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A116	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A117	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A118	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A119	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A120	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A121	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A122	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A123	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A124	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A125	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A126	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A127	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A128	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A129	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A130	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A131	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A132	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A133	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A134	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A135	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A136	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A137	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A138	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A139	761712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A140	761712.92	9852389.45	3049.04	3046.89	3046.89

G.A.D. MUNICIPAL DEL CANTON TISALEO

CANTON TISALEO

PROVINCIA TUNGURAHUA

FECHA: NOVIEMBRE 2022

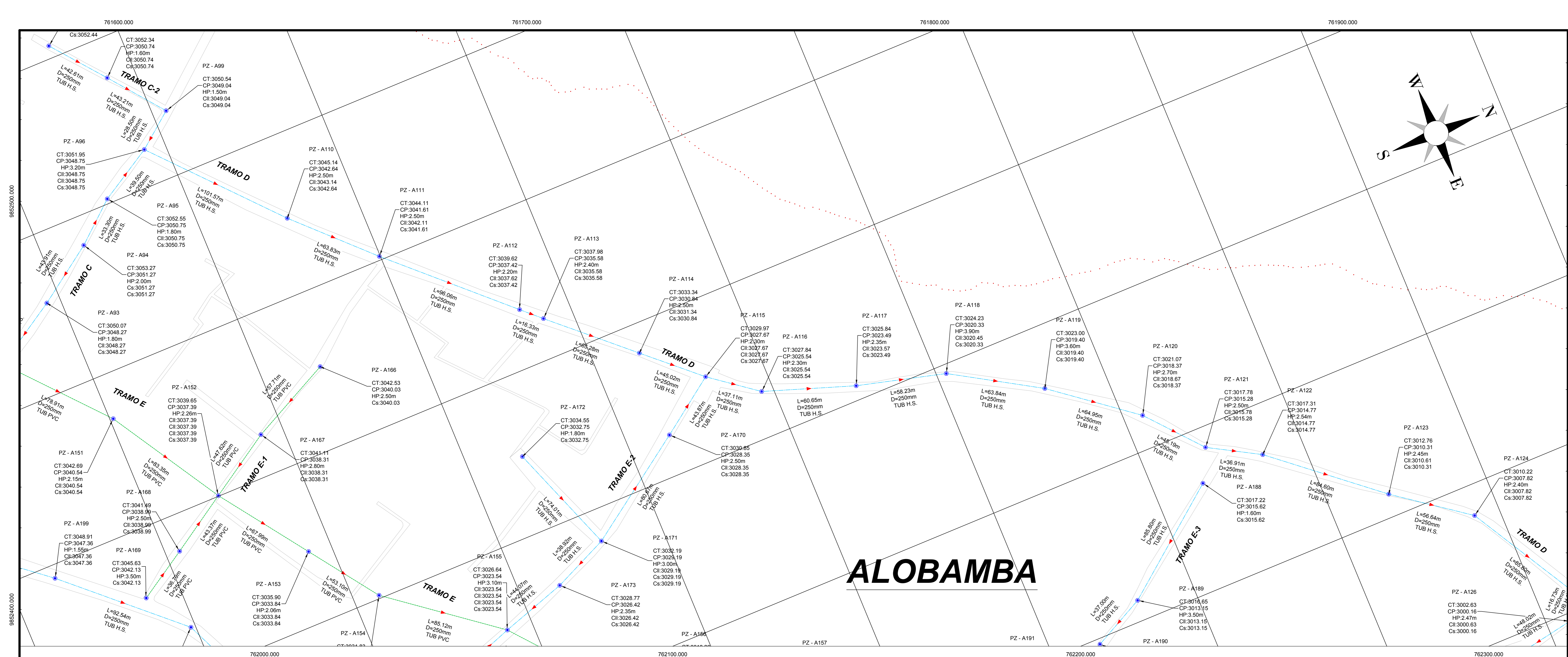
ELABORADO POR: Ing. Gato Nuñez Tutor

REVISADO POR: Ing. Gato Nuñez Tutor

APROBADO POR: Ing. Gato Nuñez Tutor

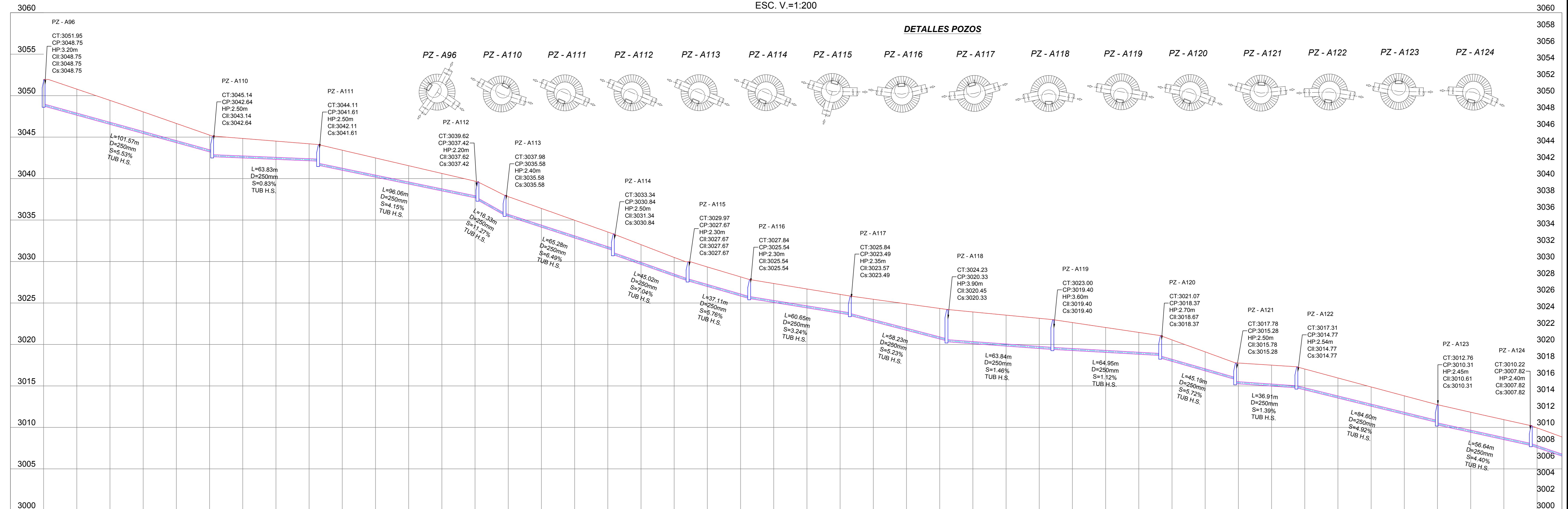
TOTAL LÁMINAS: 27

LÁMINA: 08

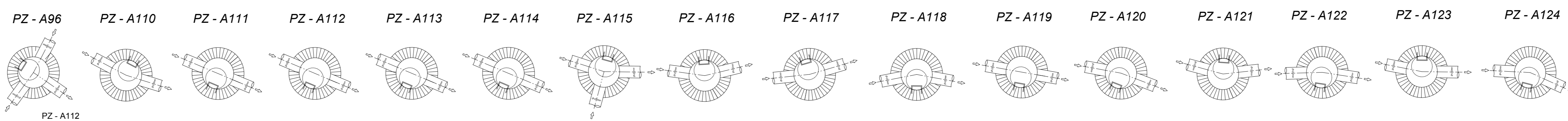


ALOBAMBA

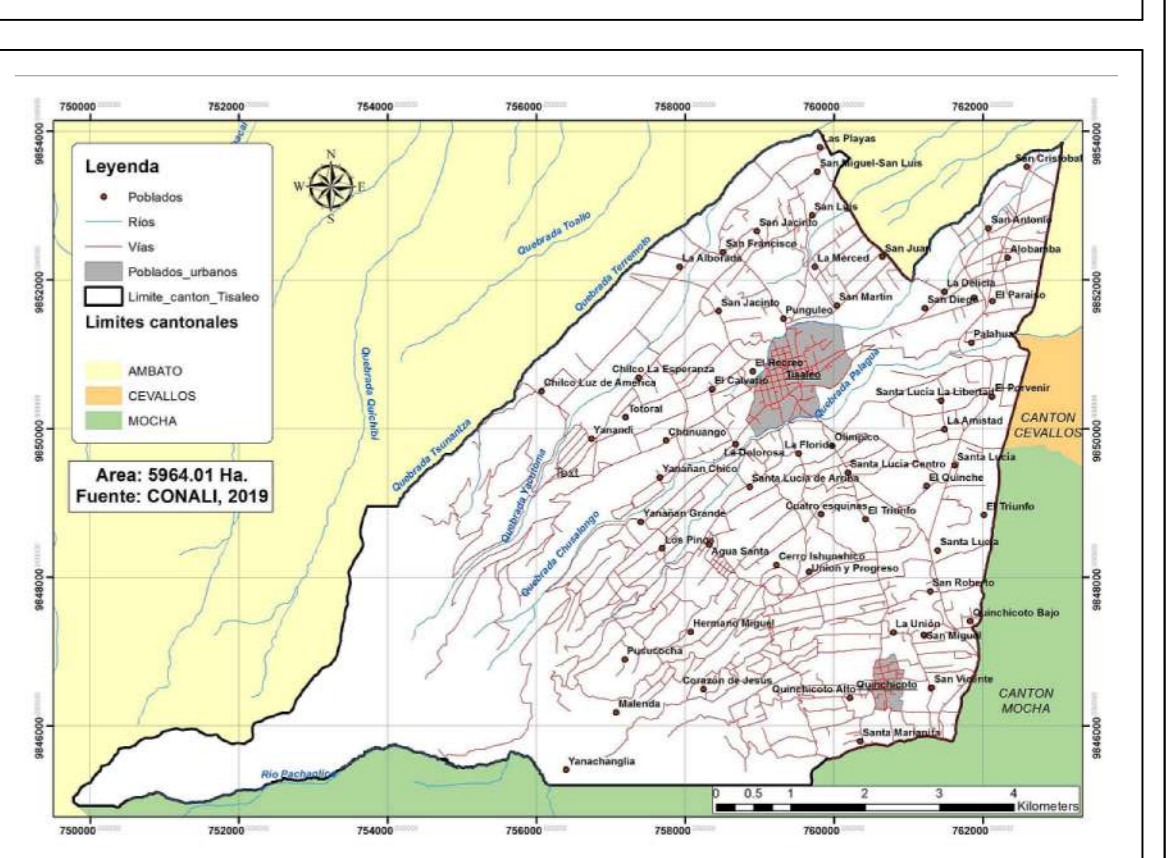
PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



DETALLES POZOS



UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E
9850780.17 m S
ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VIAS
- LIMITES TERRITORIALES

- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENO
- CP COTA PROYECTO
- CI COTA DE LLEGADA
- Cs COTA DE SALIDA
- HP ALTURA DE POZO

RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

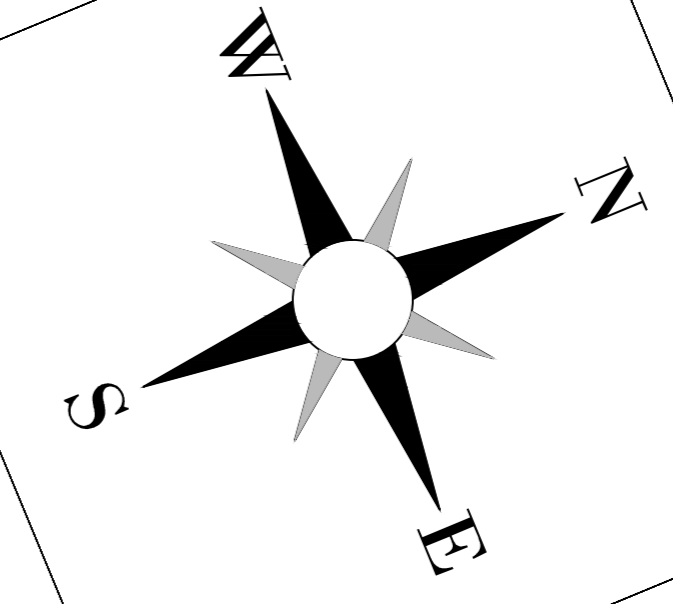
POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
ALOBAMBA					
TRAMO C-1					
PZ-A71	781733.95	9852170.21	3089.26	-	3087.04
PZ-A72	781733.95	9852170.21	3089.26	3086.58	3086.58
PZ-A73	781716.57	9852255.74	3063.74	3061.74	3061.24
PZ-A74	781691.38	9852348.47	3053.28	3050.78	3050.78
PZ-A75	781690.17	9852368.81	3051.09	3048.99	3048.99
PZ-A76	781698.23	9852386.88	3050.35	3048.25	3048.25
PZ-A77	781712.92	9852389.45	3049.04	3046.89	3046.89
PZ-A78	781769.08	9852450.17	3047.82	3046.02	3044.92
PZ-A79	781718.61	9852527.21	3053.27	3051.27	3051.27
PZ-A80	781743.74	9852481.23	3050.07	3048.27	3048.27
PZ-A81	781769.08	9852450.17	3047.82	3046.02	3044.92
PZ-A82	781696.03	9852552.49	3052.55	3050.75	3050.75
PZ-A83	781676.84	9852586.50	3051.95	3048.75	3048.75
PZ-A84	781653.81	9852595.37	3053.74	-	3054.59
PZ-A85	781673.83	9852323.03	3054.06	3052.26	3052.26
PZ-A86	781691.38	9852348.47	3053.28	3050.78	3050.78
TRAMO C-2					
PZ-A87	781592.17	9852555.37	3053.74	-	3052.44
PZ-A88	781625.35	9852582.10	3052.34	3050.74	3050.74
PZ-A89	781659.23	9852608.91	3050.54	3049.04	3049.04
PZ-A90	781676.84	9852586.50	3051.95	3048.75	3048.75
TRAMO D					
PZ-A91	781676.84	9852586.50	3051.95	-	3048.75
PZ-A92	781676.84	9852586.50	3051.95	-	3048.75
PZ-A93	781676.84	9852586.50	3051.95	-	3048.75
PZ-A94	781676.84	9852586.50	3051.95	-	3048.75
PZ-A95	781676.84	9852586.50	3051.95	-	3048.75
PZ-A96	781676.84	9852586.50	3051.95	-	3048.75
PZ-A97	781676.84	9852586.50	3051.95	-	3048.75
PZ-A98	781676.84	9852586.50	3051.95	-	3048.75
PZ-A99	781676.84	9852586.50	3051.95	-	3048.75
PZ-A100	781676.84	9852586.50	3051.95	-	3048.75
PZ-A101	781676.84	9852586.50	3051.95	-	3048.75
PZ-A102	781676.84	9852586.50	3051.95	-	3048.75
PZ-A103	781676.84	9852586.50	3051.95	-	3048.75
PZ-A104	781676.84	9852586.50	3051.95	-	3048.75
PZ-A105	781676.84	9852586.50	3051.95	-	3048.75
PZ-A106	781676.84	9852586.50	3051.95	-	3048.75
PZ-A107	781676.84	9852586.50	3051.95	-	3048.75
PZ-A108	781676.84	9852586.50	3051.95	-	3048.75
PZ-A109	781676.84	9852586.50	3051.95	-	3048.75
PZ-A110	781676.84	9852586.50	3051.95	-	3048.75
PZ-A111	781676.84	9852586.50	3051.95	-	3048.75
PZ-A112	781676.84	9852586.50	3051.95	-	3048.75
PZ-A113	781676.84	9852586.50	3051.95	-	3048.75
PZ-A114	781676.84	9852586.50	3051.95	-	3048.75
PZ-A115	781676.84	9852586.50	3051.95	-	3048.75
PZ-A116	781676.84	9852586.50	3051.95	-	3048.75
PZ-A117	781676.84	9852586.50	3051.95	-	3048.75
PZ-A118	781676.84	9852586.50	3051.95	-	3048.75
PZ-A119	781676.84	9852586.50	3051.95	-	3048.75
PZ-A120	781676.84	9852586.50	3051.95	-	3048.75
PZ-A121	781676.84	9852586.50	3051.95	-	3048.75
PZ-A122	781676.84	9852586.50	3051.95	-	3048.75
PZ-A123	781676.84	9852586.50	3051.95	-	3048.75
PZ-A124	781676.84	9852586.50	3051.95	-	3048.75
PZ-A125	781676.84	9852586.50	3051.95	-	3048.75
PZ-A126	781676.84	9852586.50	3051.95	-	3048.75
PZ-A127	781676.84	9852586.50	3051.95	-	3048.75
PZ-A128	781676.84	9852586.50	3051.95	-	3048.75
PZ-A129	781676.84	9852586.50	3051.95	-	3048.75
PZ-A130	781676.84	9852586.50	3051.95	-	3048.75
PZ-A131	781676.84	9852586.50	3051.95	-	3048.75
PZ-A132	781676.84	9852586.50	3051.95	-	3048.75
PZ-A133	781676.84	9852586.50	3051.95	-	3048.75
PZ-A134	781676.84	9852586.50	3051.95	-	3048.75
PZ-A135	781676.84	9852586.50	3051.95	-	3048.75
PZ-A136	781676.84	9852586.50	3051.95	-	3048.75
PZ-A137	781676.84	9852586.50	3051.95	-	3048.75
PZ-A138	781676.84	9852586.50	3051.95	-	3048.75
PZ-A139	781676.84	9852586.50	3051.95	-	3048.75
PZ-A140	781676.84	9852586.50	3051.95	-	3048.75
PZ-A141	781676.84	9852586.50	3051.95	-	3048.75

G.A.D. MUNICIPAL DEL CANTON TISALEO

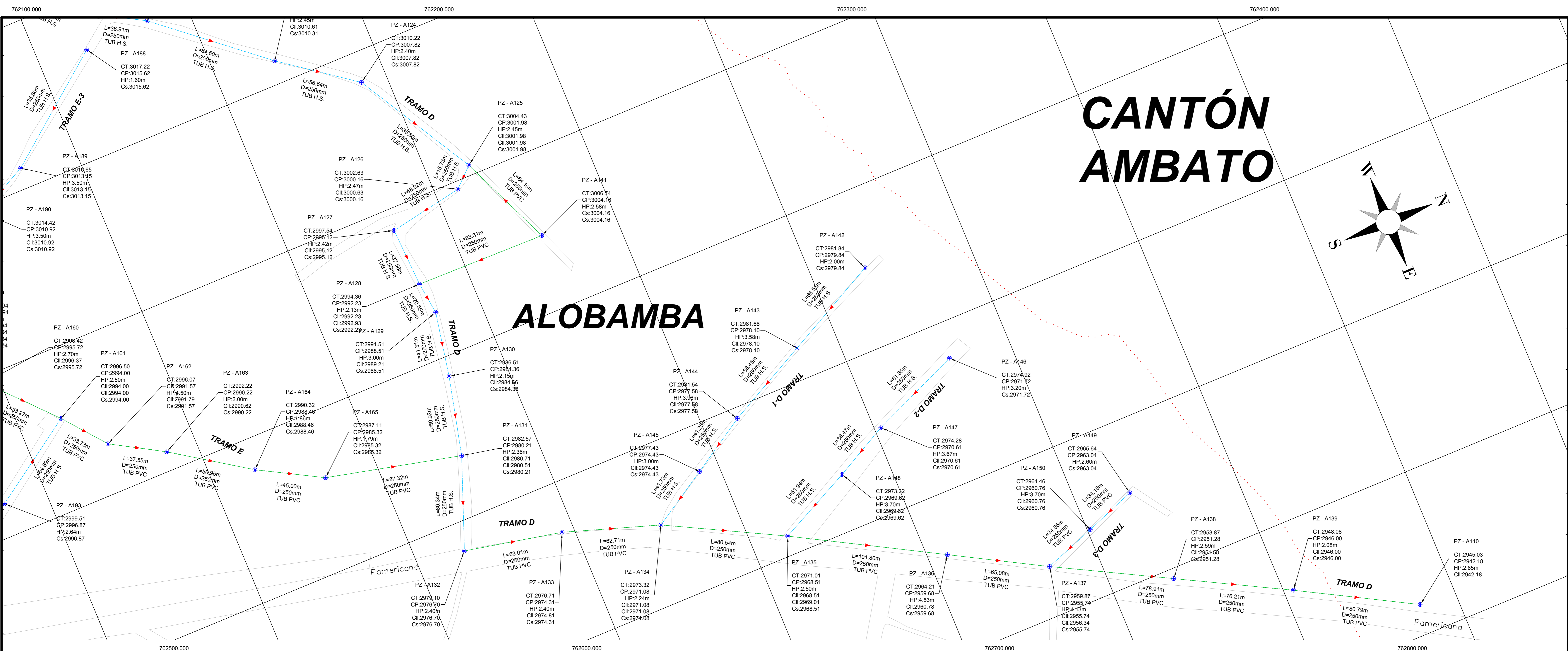
"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

ELABORADO POR: Egita Tamara Bonita Testa	REVISADO POR: Ing. Galo Nuñez Tutor	APROBADO POR: Ing. Galo Nuñez Tutor	LÁMINA: LÁMINA 09
CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN DIEGO - ALOBAMBA, TRAMO D.			TOTAL LÁMINAS: 27

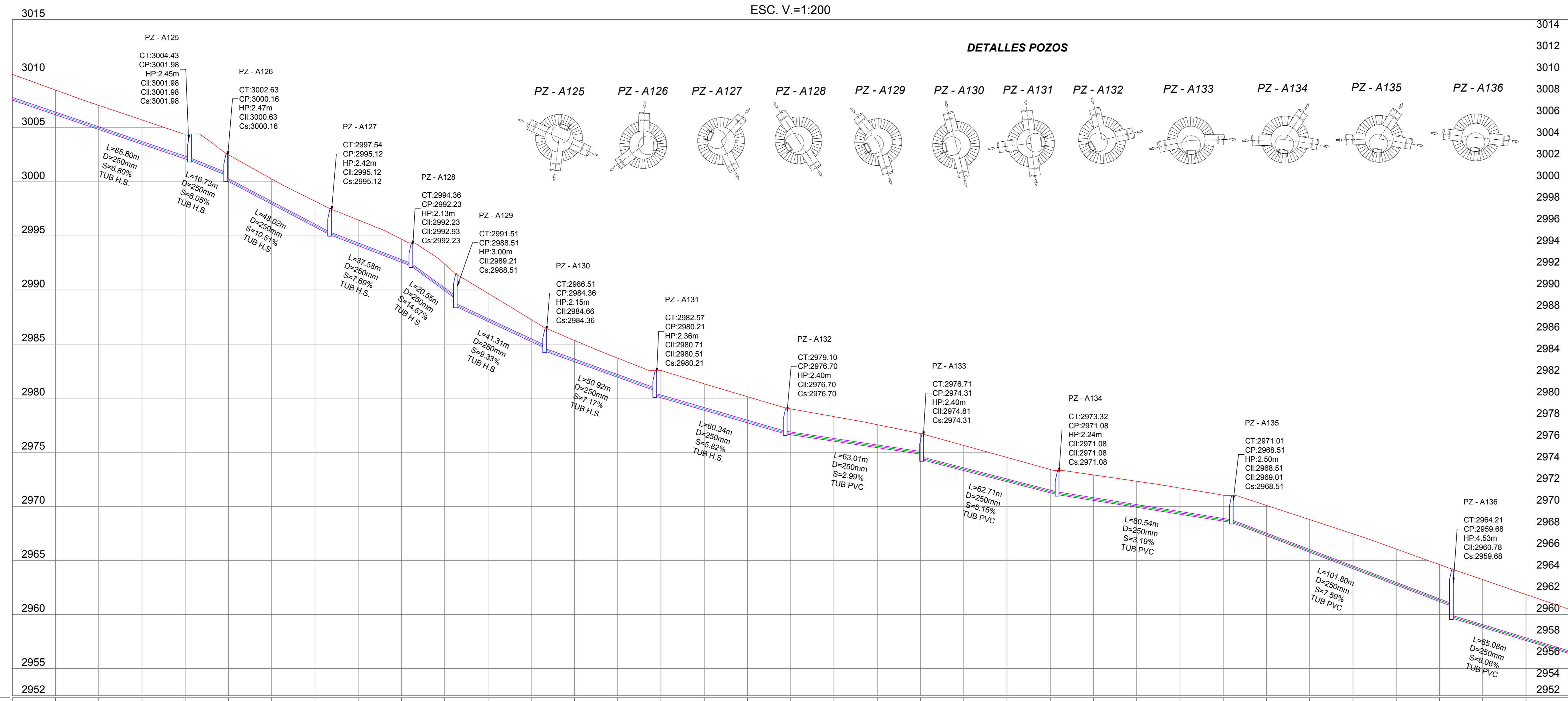
CANTÓN AMBATO



ALOBAMBA

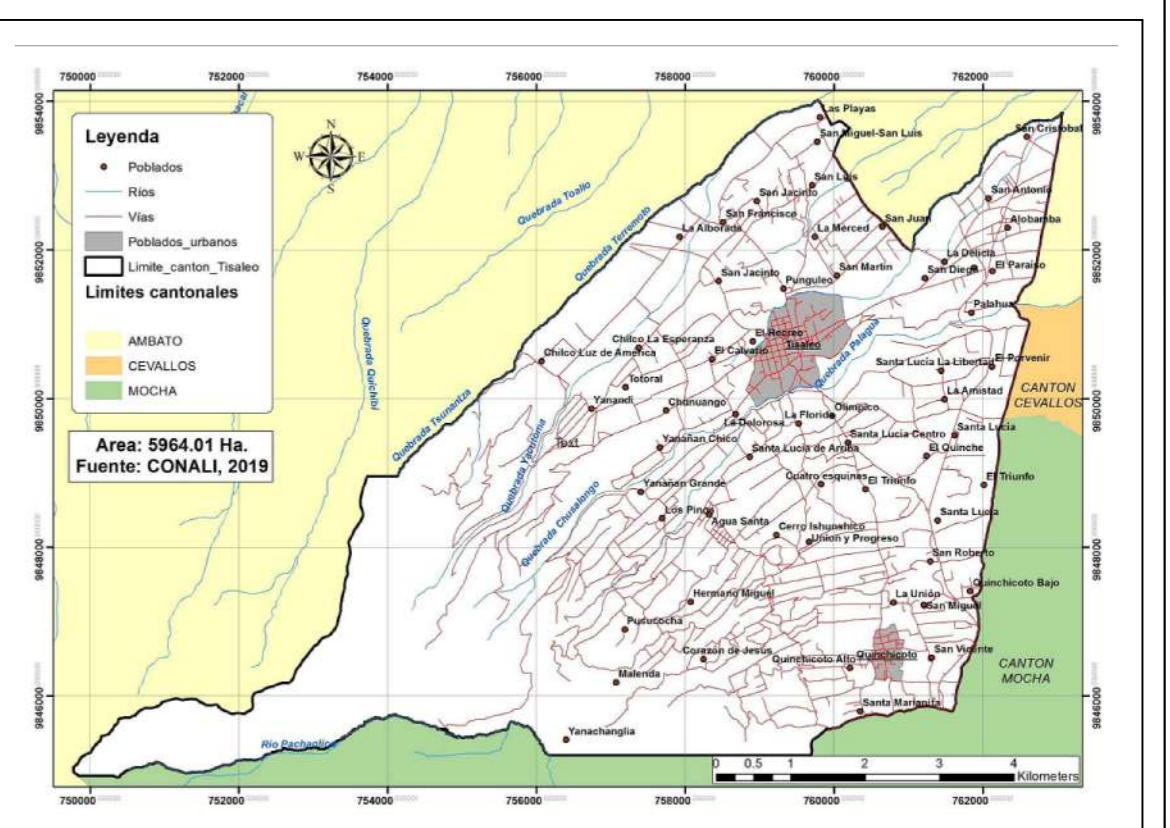


PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



	2.29	2.24	2.25	2.31	2.46	2.33	2.38	2.37	2.14	2.47	2.59	2.03	1.97	1.77	2.52	2.45	2.42	2.39	2.27	2.12	2.14	2.32	2.24	2.16	2.36	2.41	2.43	2.40	2.81	3.01	3.22	3.33	3.41	4.41	4.25																										
COTA TERRENO	3008.49	3008.07	3005.72	3004.43	3002.49	3000.03	2997.93	2998.21	2994.10	2996.47	2992.56	2994.70	2992.40	2989.93	2989.40	2987.10	2989.69	2985.24	2987.27	2983.37	2985.34	2981.93	2985.70	2986.04	2982.56	2978.88	2981.33	2977.71	2980.13	2975.01	2976.62	2979.29	2974.52	2977.55	2974.59	2976.73	2973.30	2975.63	2972.27	2974.52	2971.25	2973.41	2970.54	2967.32	2969.91	2967.09	2966.63	2971.03	2967.08	2965.76	2966.77	2964.24	2967.45	2962.72	2966.05	2961.20	2964.61	2956.80	2959.22	2957.59	2961.85
COTA PROYECTO	3008.20	3004.84	3005.48	3005.12	3000.03	2997.93	2998.21	2994.10	2996.47	2992.56	2994.70	2992.40	2989.93	2989.40	2987.10	2989.69	2985.24	2987.27	2983.37	2985.34	2981.93	2985.70	2986.04	2982.56	2978.88	2981.33	2977.71	2980.13	2975.01	2976.62	2979.29	2974.52	2977.55	2974.59	2976.73	2973.30	2975.63	2972.27	2974.52	2971.25	2973.41	2970.54	2967.32	2969.91	2967.09	2966.63	2971.03	2967.08	2965.76	2966.77	2964.24	2967.45	2962.72	2966.05	2961.20	2964.61	2956.80	2959.22	2957.59	2961.85	
CORTE	2.29	2.24	2.25	2.31	2.46	2.33	2.38	2.37	2.14	2.47	2.59	2.03	1.97	1.77	2.52	2.45	2.42	2.39	2.27	2.12	2.14	2.32	2.24	2.16	2.36	2.41	2.43	2.40	2.81	3.01	3.22	3.33	3.41	4.41	4.25																										
ABSCISA	+920	+940	+960	+980	+1000	+1020	+1040	+1060	+1080	+1100	+1120	+1140	+1160	+1180	+1200	+1220	+1240	+1260	+1280	+1300	+1320	+1340	+1360	+1380	+1400	+1420	+1440	+1460	+1480	+1500	+1520	+1540	+1560	+1580	+1600																										

UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E
9850780.17 m S
ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VIAS
- LIMITES TERRITORIALES

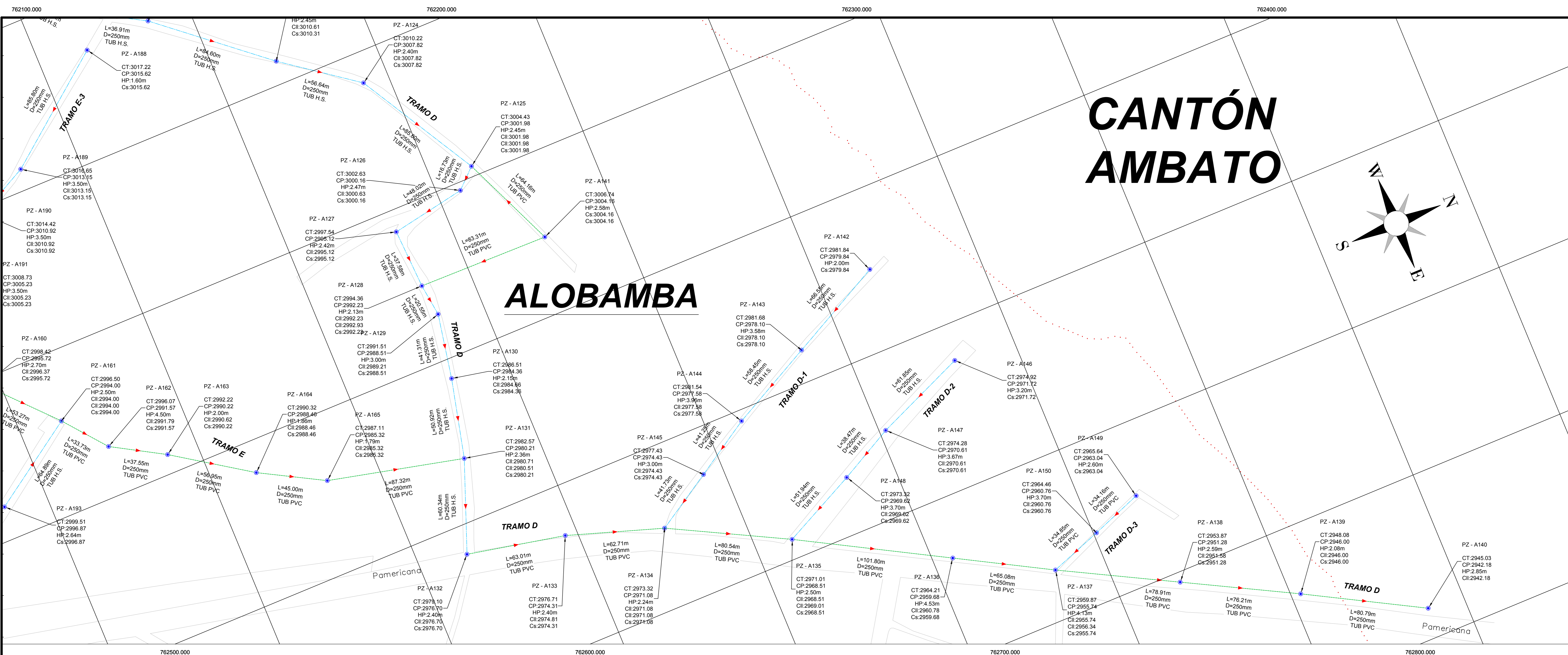
L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CIL	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA					
POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
ALOBAMBA					
TRAMO D					
PZ - A86	761076.84	9852986.50	3051.95	-	3048.75
PZ - A110	761752.49	9852984.27	3045.14	3043.14	3042.84
PZ - A111	761797.62	9852989.40	3044.11	3042.11	3041.61
PZ - A112	761863.47	9852769.34	3039.62	3037.62	3037.42
PZ - A113	761874.61	9852781.28	3037.98	3035.58	3035.58
PZ - A114	761918.53	9852829.58	3033.34	3031.34	3030.84
PZ - A115	761948.73	9852862.96	3029.97	3027.67	3027.67
PZ - A116	761971.17	9852892.51	3027.84	3025.54	3025.54
PZ - A117	761990.95	9852949.85	3025.84	3023.57	3023.49
PZ - A118	762005.79	9853006.16	3024.23	3020.45	3020.33
PZ - A119	762038.19	9853068.81	3023.00	3019.40	3019.40
PZ - A120	762078.68	9853112.06	3021.07	3018.67	3018.37
PZ - A121	762113.00	9853141.47	3017.78	3015.78	3015.28
PZ - A122	762131.29	9853173.53	3017.51	3014.77	3014.77
PZ - A123	762185.58	9853238.42	3012.76	3010.61	3010.31
PZ - A124	762219.24	9853283.96	3010.22	3007.82	3007.82
PZ - A125	762263.66	9853326.66	3004.43	3001.98	3001.98
PZ - A126	762305.06	9853374.41	3000.63	3000.63	3000.16
PZ - A127	762313.74	9853267.18	2997.54	2995.12	2995.12
PZ - A128	762351.28	9853268.01	2994.36	2992.23	2992.23
PZ - A129	762371.68	9853271.65	2991.51	2989.21	2989.51
PZ - A130	762412.25	9853284.00	2988.51	2986.66	2986.36
PZ - A131	762461.76	9853292.13	2982.57	2980.71	2980.21
PZ - A132	762518.15	9853293.65	2979.10	2976.70	2976.70
PZ - A133	762530.95	9853292.34	2976.71	2974.81	2974.31
PZ - A134	762550.60	9853351.89	2973.32	2971.08	2971.08
PZ - A135	762587.80	9853423.33	2971.01	2968.51	2968.51
PZ - A136	762637.37	9853512.25	2964.21	2960.78	2959.68
PZ - A137	762689.06	9853569.10	2959.87	2955.74	2955.74
PZ - A138	762706.17	9853638.74	2953.87	2951.58	2951.28
PZ - A139	762742.00	9853706.00	2948.08	2946.00	2946.00
PZ - A140	762781.09	9853776.70	2945.03	2942.18	2942.18
PZ - A141	762822.47	9853852.31	2940.74	2930.16	2930.16
TRAMO D-1					
PZ - A142	762449.62	9853533.53	2987.84	-	2979.84
PZ - A143	762480.09	9853474.37	2981.68	2978.10	2978.10
PZ - A144	762506.86	9853422.41	2981.54	2977.58	2977.58
PZ - A145	762528.73	9853387.43	2977.43	2974.43	2974.43
PZ - A134	762550.60	9853351.89	2973.32	2971.08	2971.08
TRAMO D-2					
PZ - A146	762523.00	9853561.00	2974.92	2971.72	2971.72
PZ - A147	762547.00	9853554.00	2974.28	2970.61	2970.61
PZ - A148	762565.00	9853470.00	2973.32	2969.62	2969.62
PZ - A135	762587.80	9853423.33	2971.01	2969.01	2969.51
TRAMO D-3					
PZ - A149	762645.34	9853633.91	2965.64	-	2963.04
PZ - A150	762657.34	9853601.92	2964.46	2960.76	2960.76
PZ - A137	762689.06	9853569.10	2959.87	2956.34	2955.74

G.A.D. MUNICIPAL DEL CANTÓN TISALEO
 "CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE:
 RED DE ALCANTARILLADO SANITARIO SAN DIEGO - ALOBAMBA, TRAMO D.

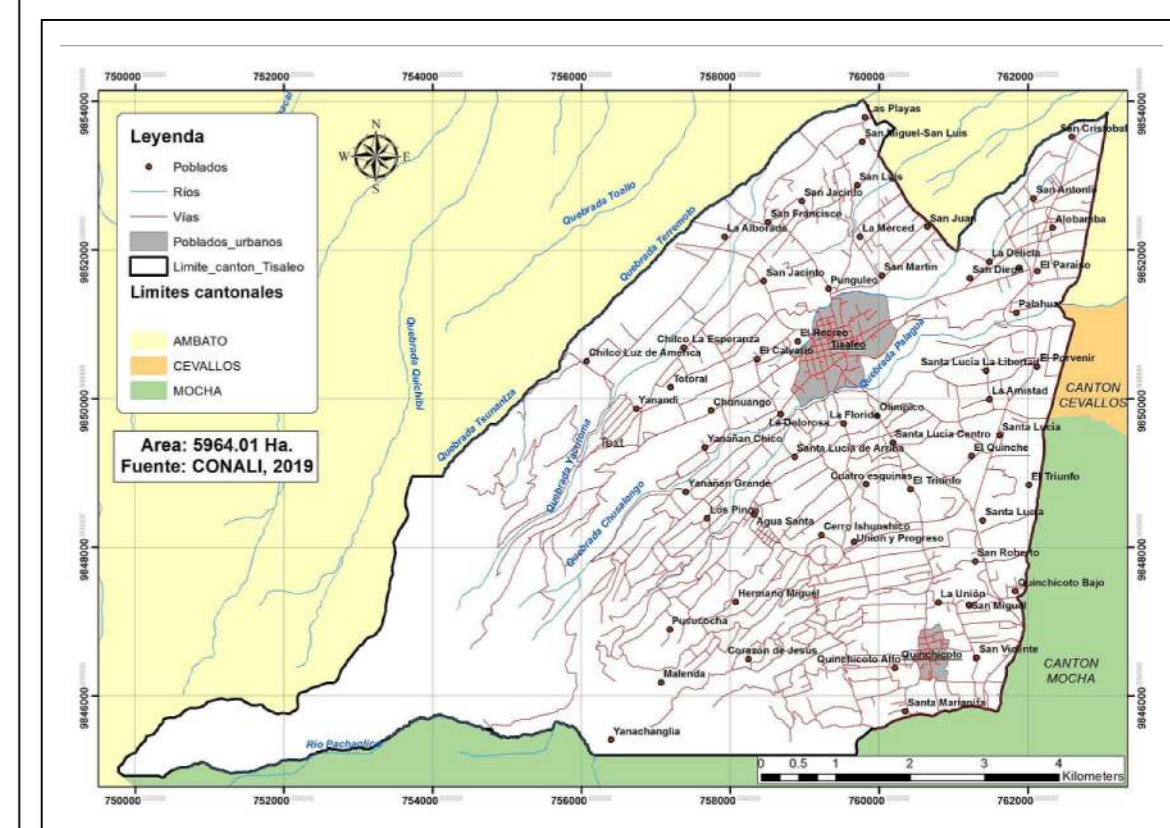
PROVINCIA: TUNGURAHUA | CANTÓN: TISALEO | SECTOR: ALOBAMBA
 FECHA: NOVIEMBRE 2022 | ESCALA: 1:1000
 ELABORADO POR: REVISADO POR: APROBADO POR: LÁMINA: LÁMINA 10
 TOTAL LÁMINAS: 2



CANTÓN AMBATO

ALOBAMBA

UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

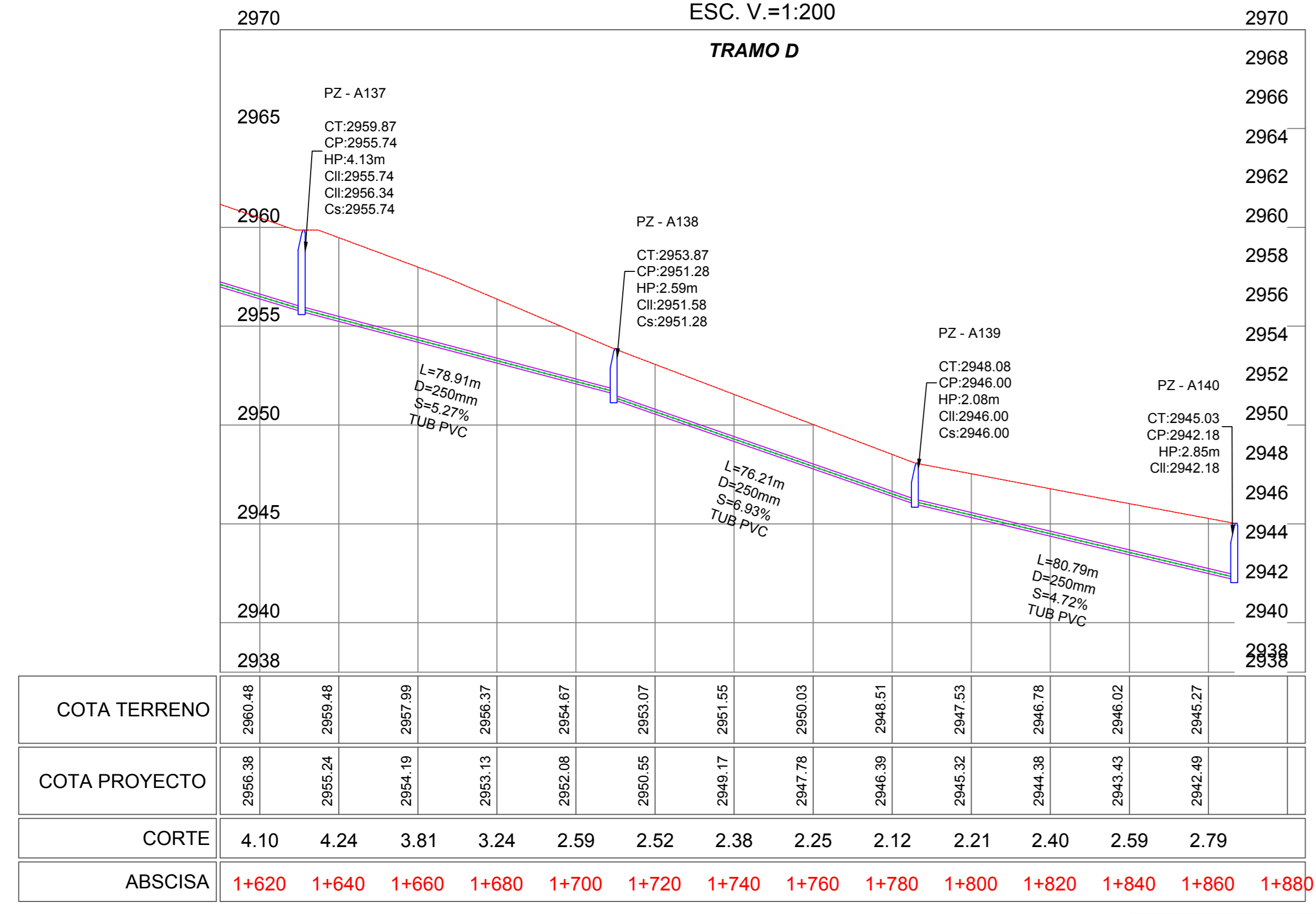
DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E
 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

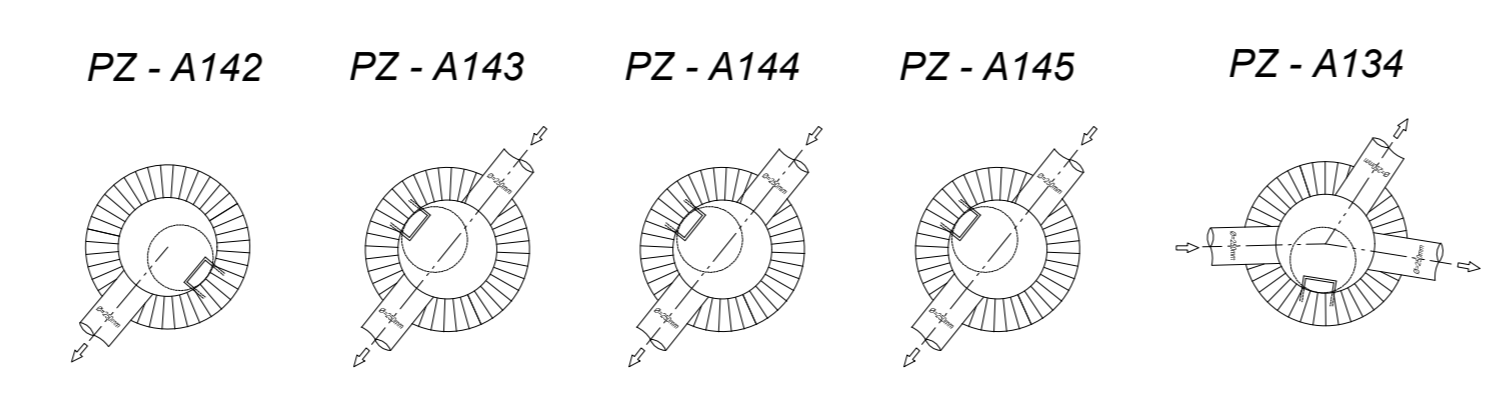
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFILES DEL TERRENO CALLES / VÍAS
- LIMITES TERRITORIALES

- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENO
- CP COTA PROYECTO
- CIL COTA DE LLEGADA
- Cs COTA DE SALIDA
- HP ALTURA DE POZO

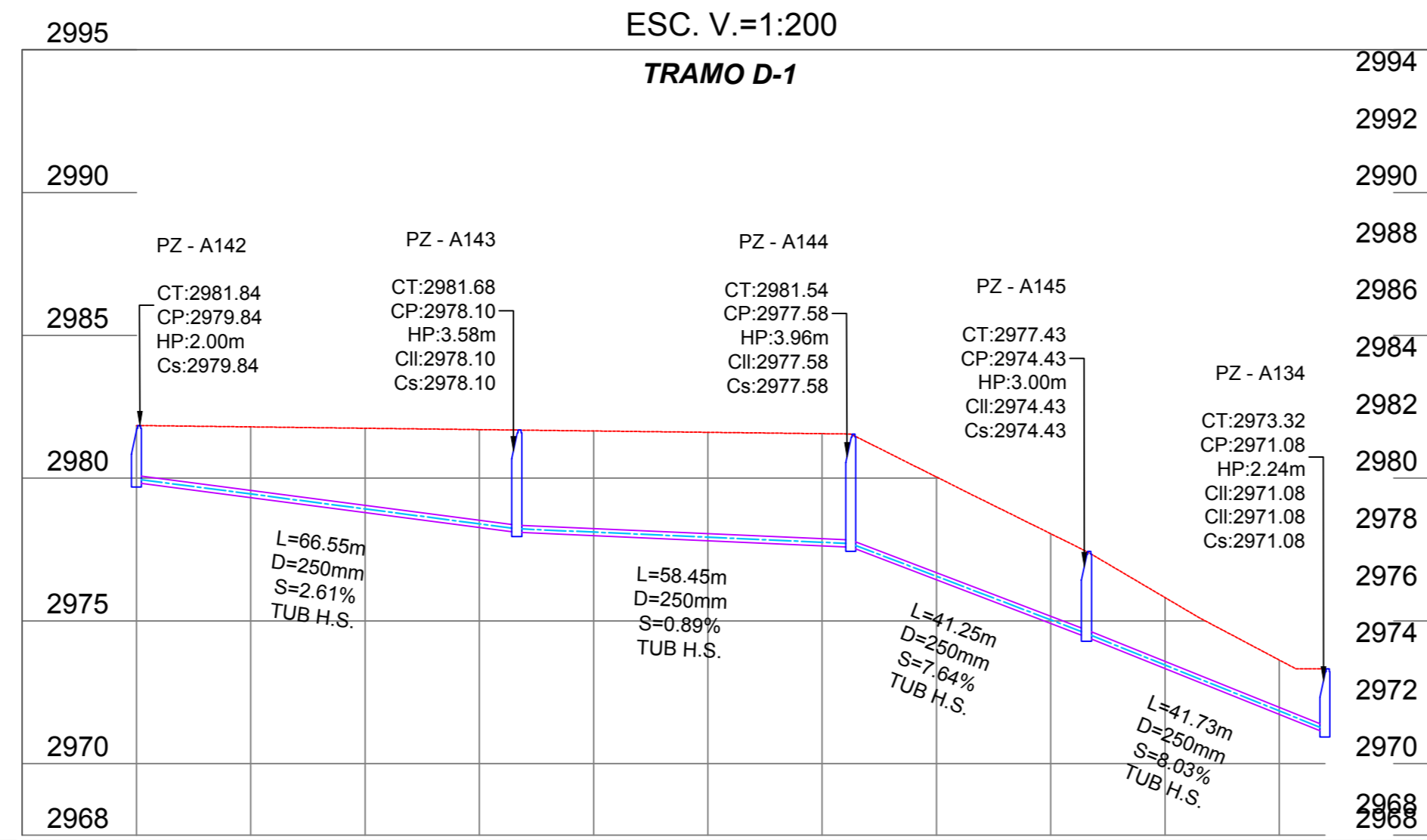
PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200



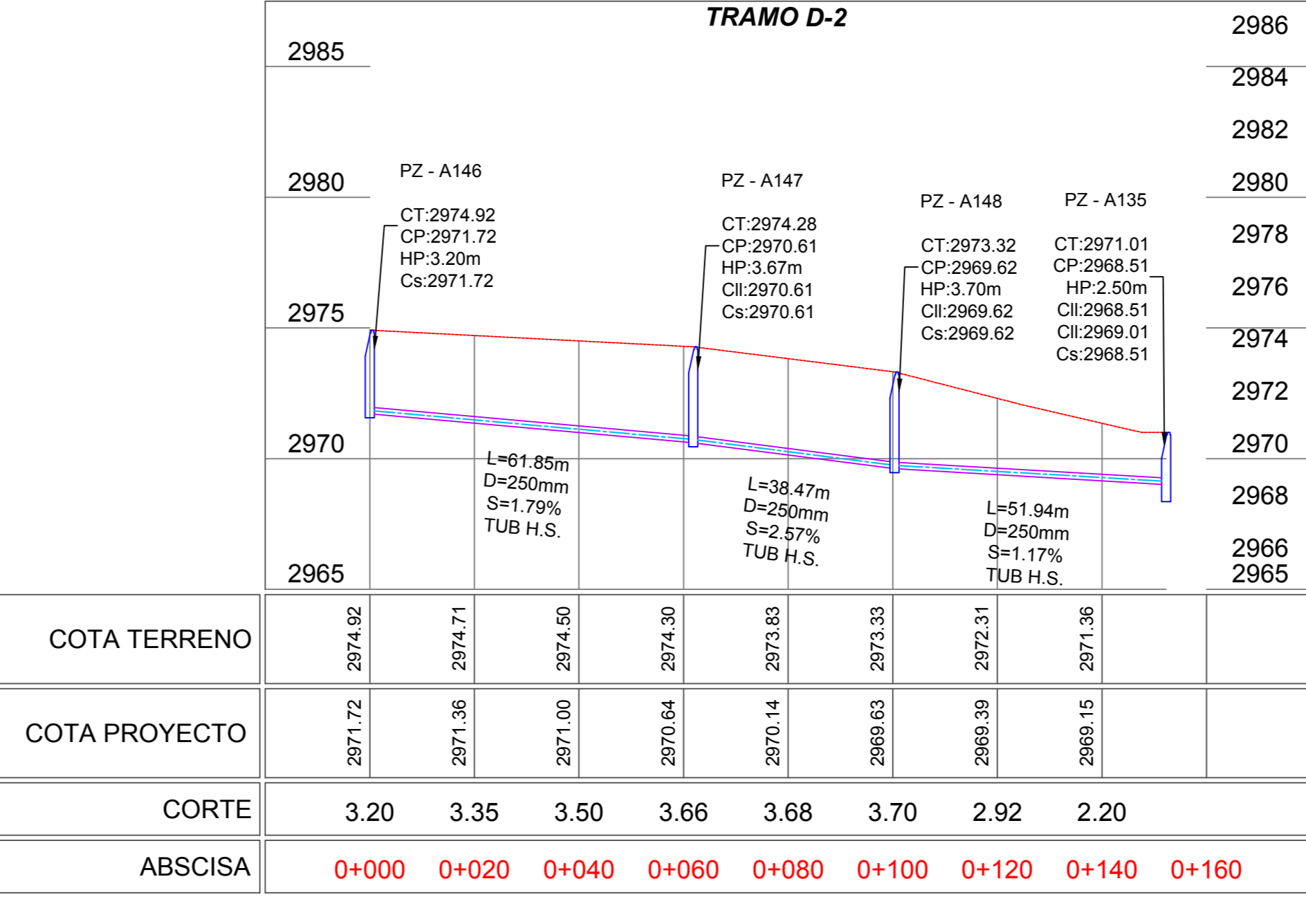
DETALLES POZOS



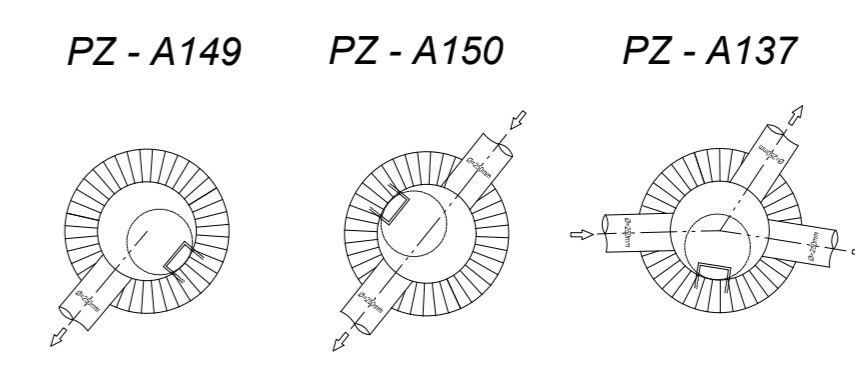
PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200



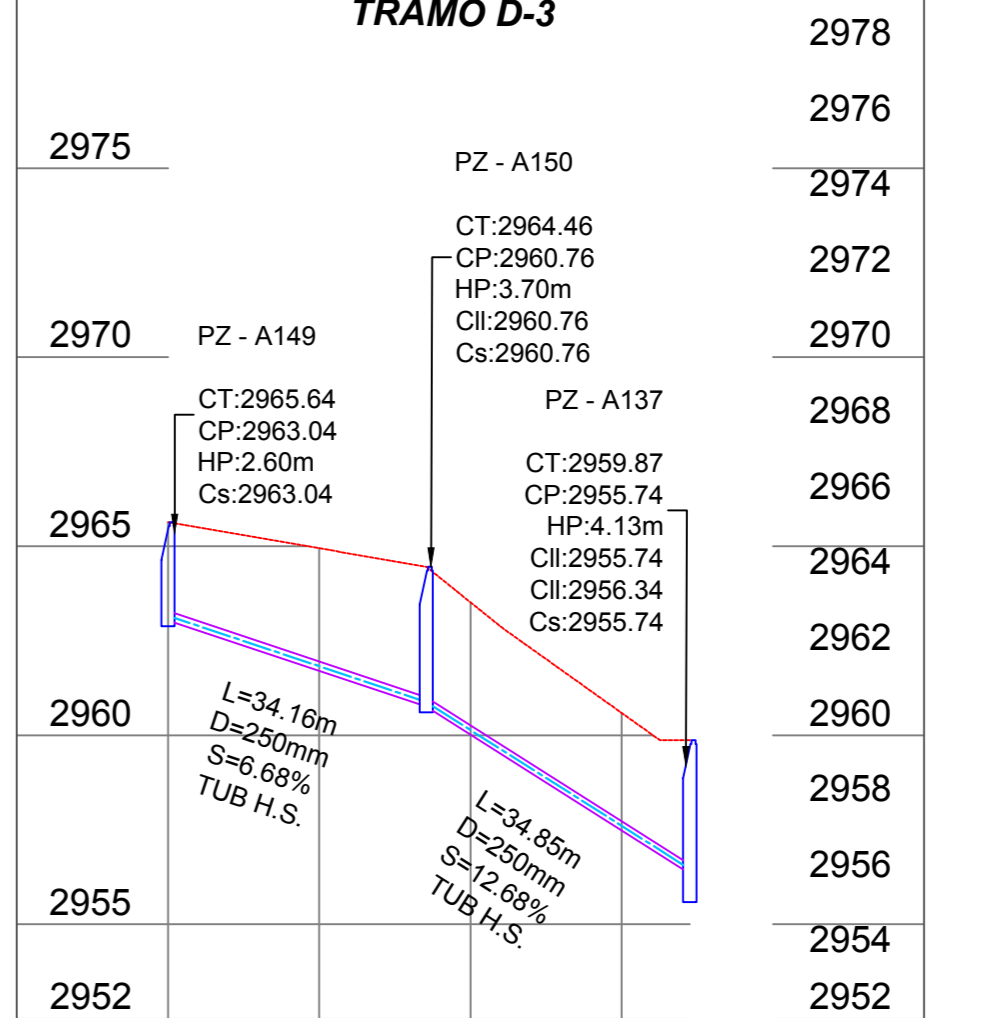
PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200



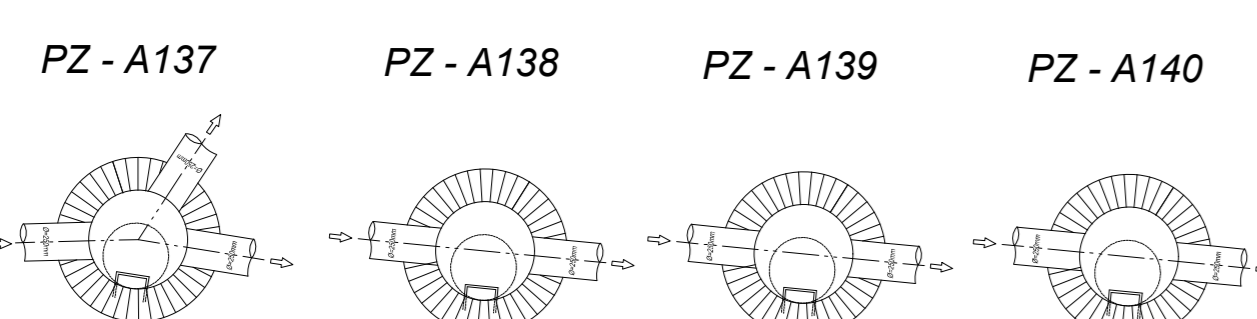
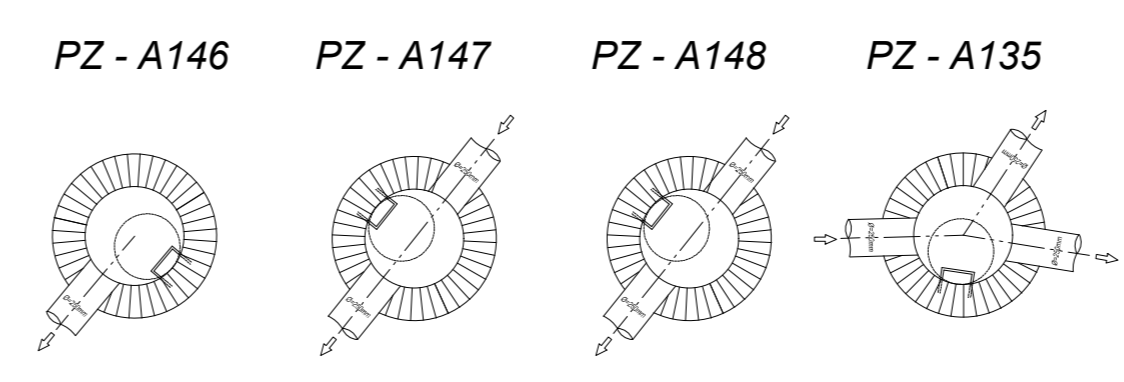
DETALLES POZOS



PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200

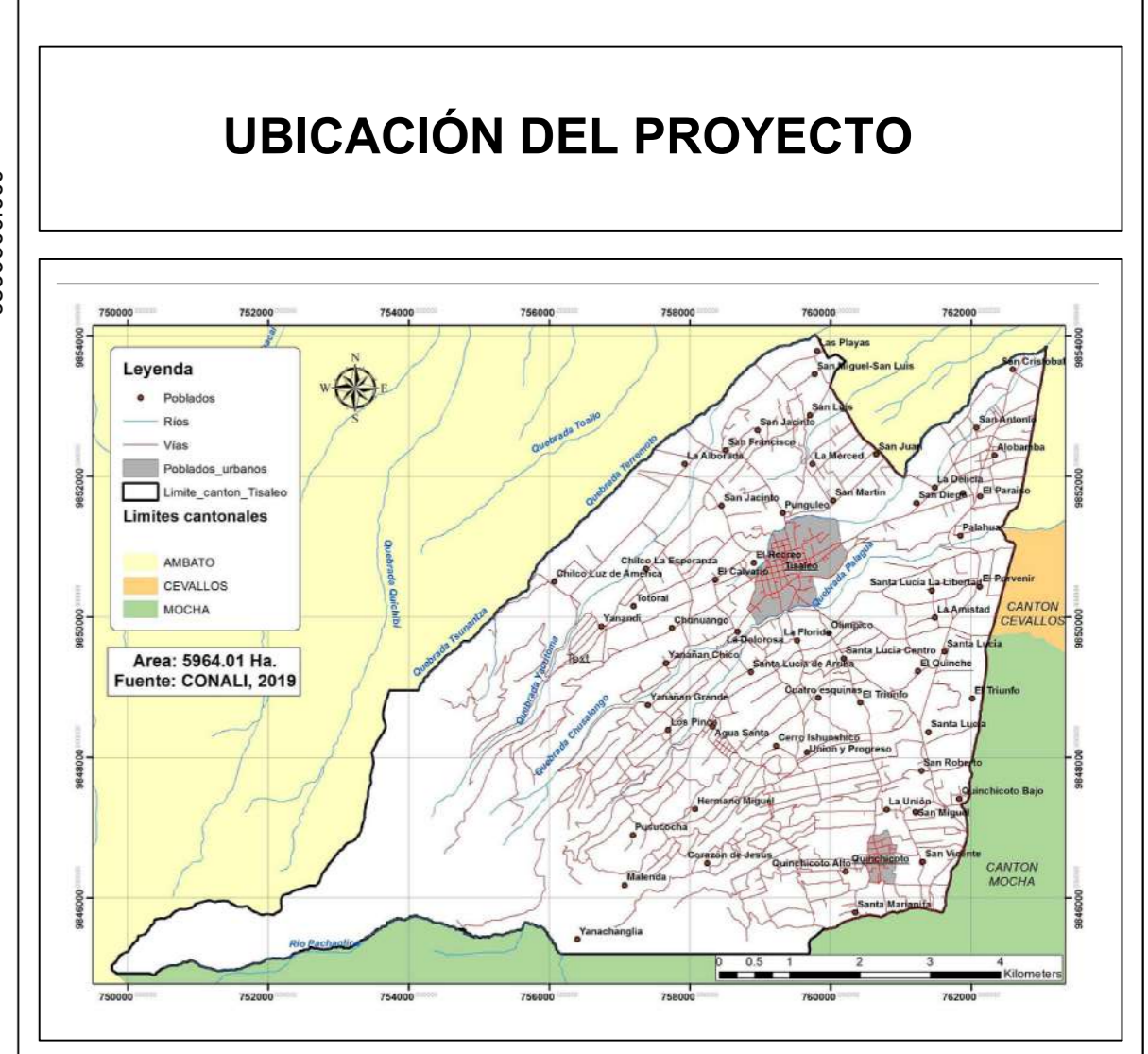
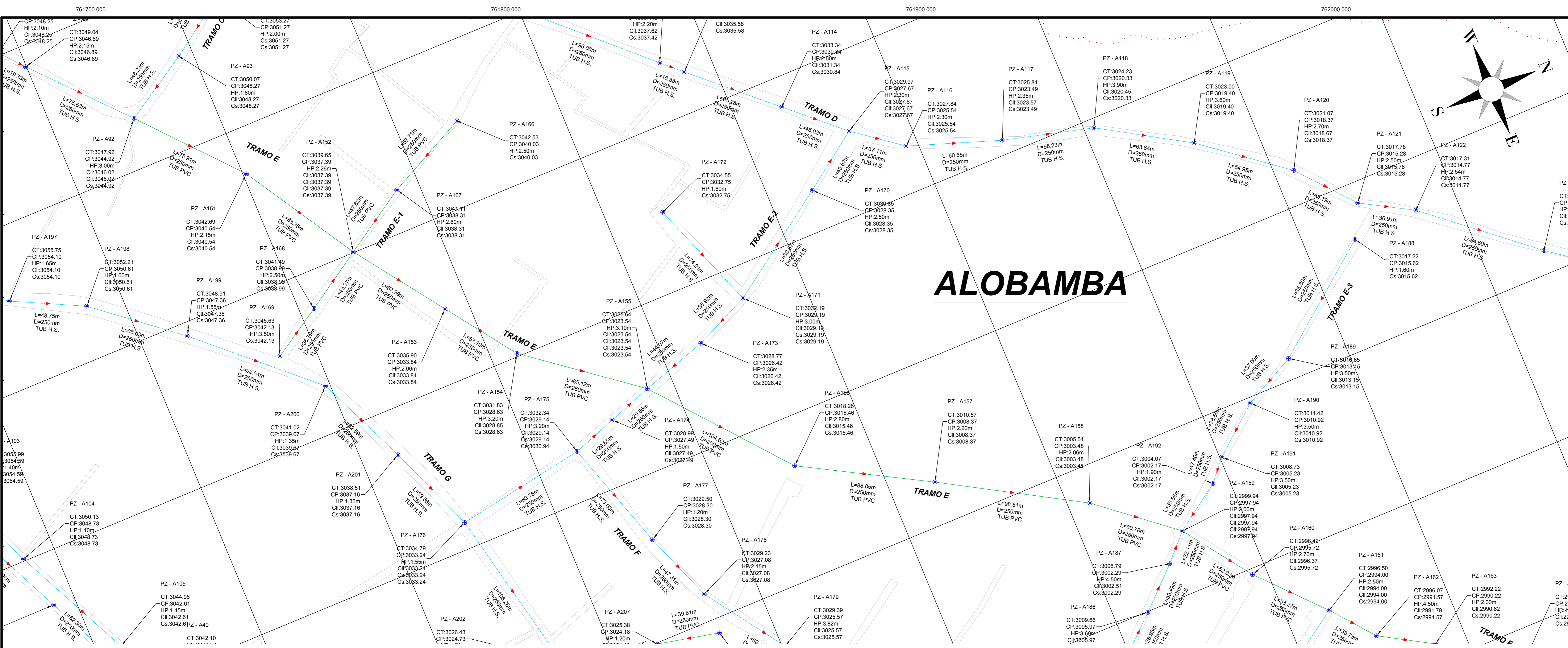


DETALLES POZOS



G.A.D. MUNICIPAL DEL CANTÓN TISALEO
 "CATÁSTRO DE LOS SISTEMAS DE ALICANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA-LA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALICANTARILLADO SANITARIO SAN DIEGO - ALOBAMBA, TRAMO D-1, D-2, D-3.	
PROVINCIA: TUNGURAHUA	CANTÓN: TISALEO
FECHA: NOVIEMBRE 2022	ESCALA: 1:1000
ELABORADO POR: Eglis Tarma Bonita Testa	REVISADO POR: Ing. Gaby Nuñez Tutor
APROBADO POR: Ing. Gaby Nuñez Tutor	LÁMINA: LÁMINA 11
TOTAL LÁMINAS: 11	TOTAL LÁMINAS: 11



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

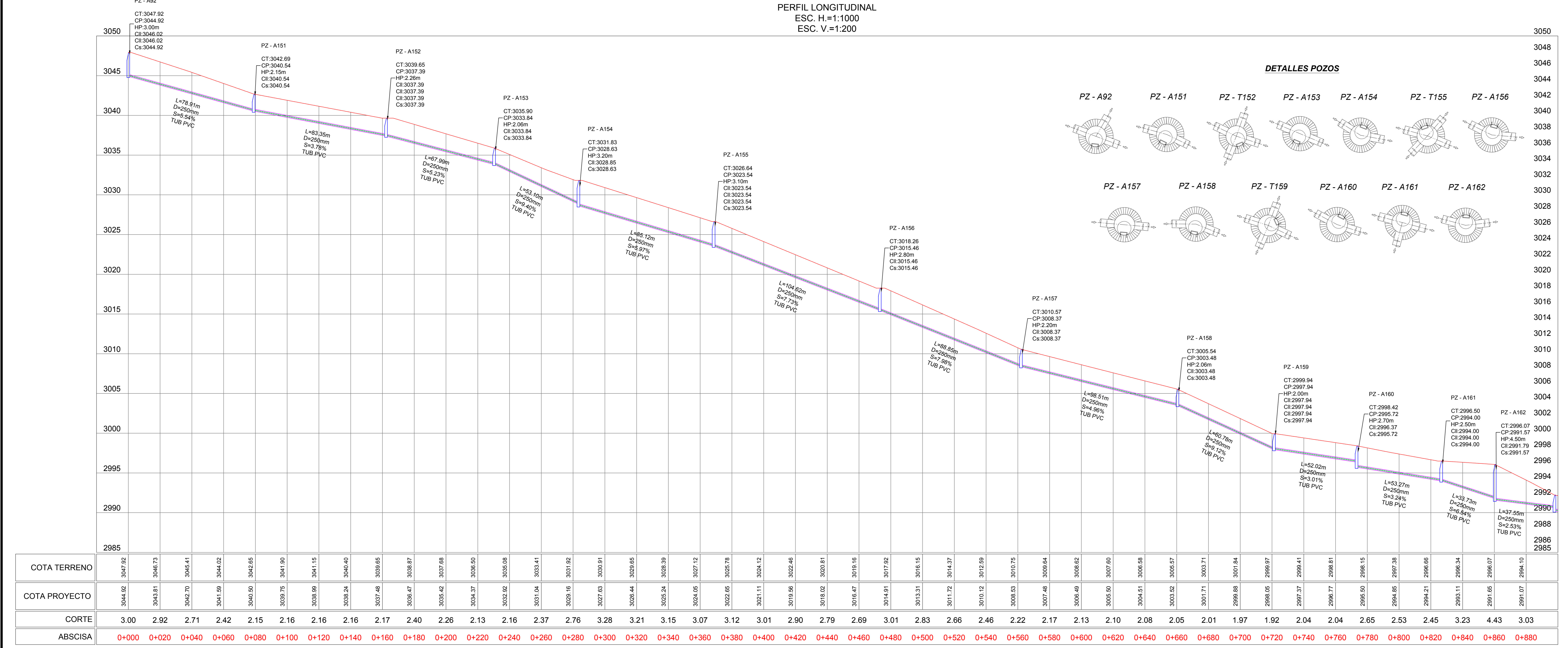
COORDENADAS UTM:
 759353.24 m E
 9850780.17 m S

ALTURA REFERENCIAL:
 3249 m

SIMBOLOGÍA

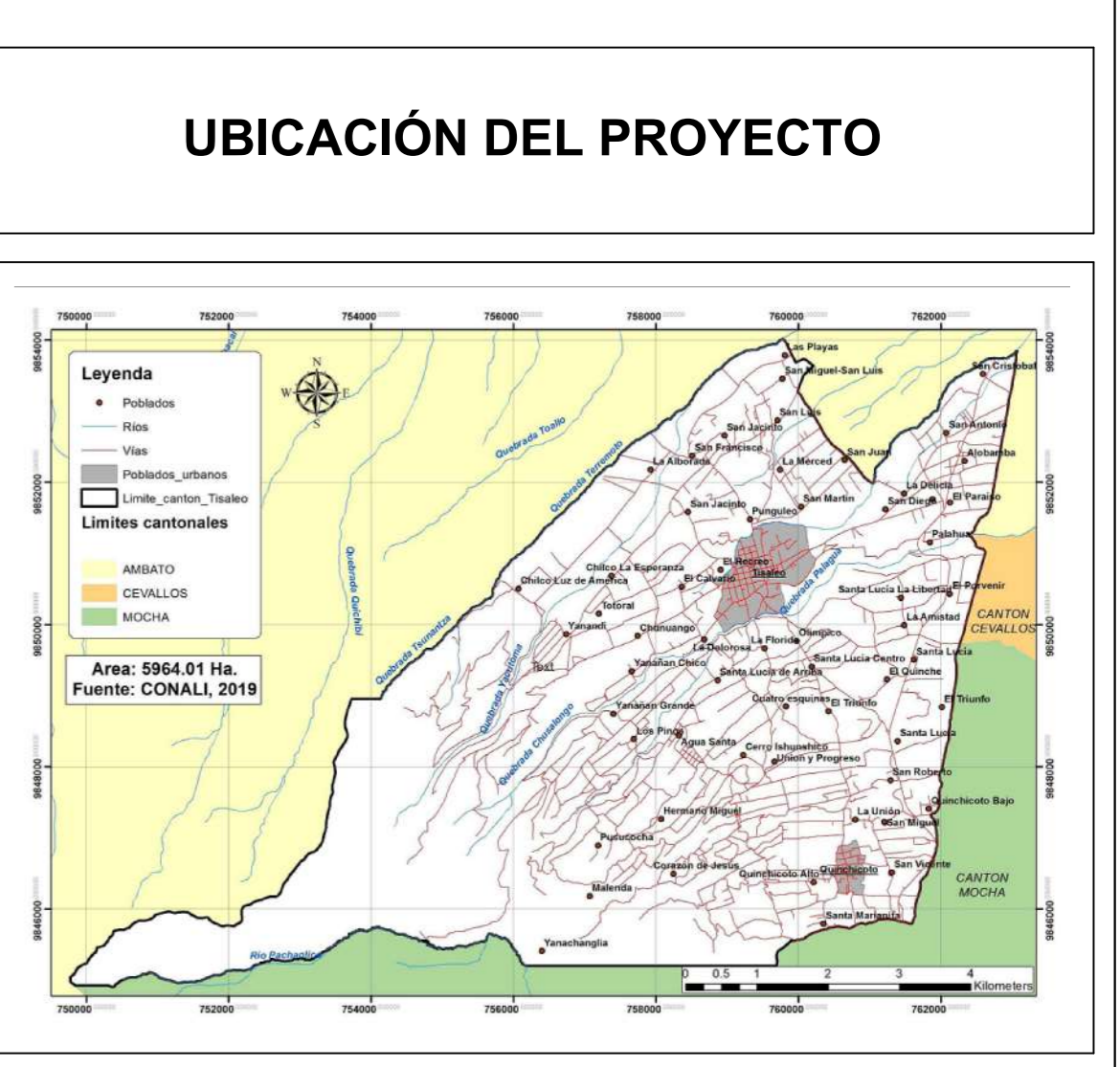
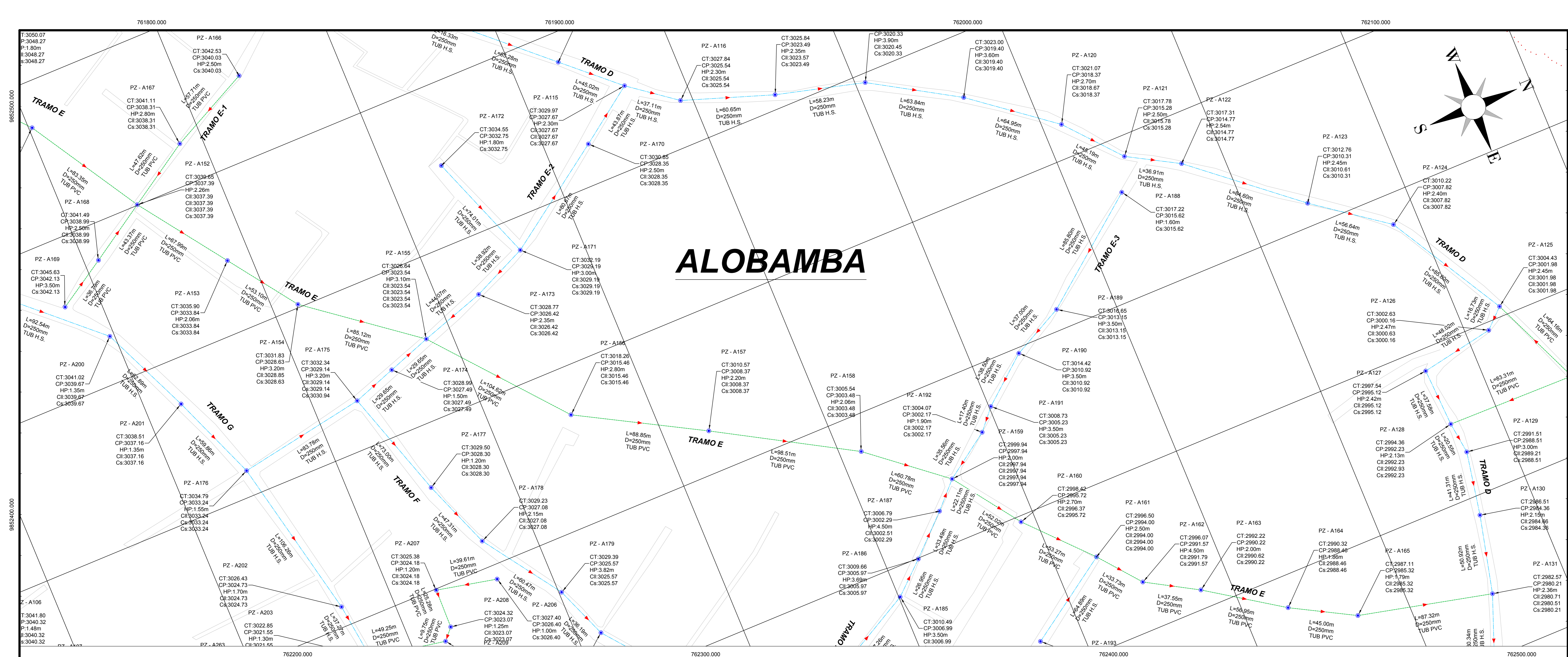
TUBERÍA PVC D = 250mm	
TUBERÍA H.S. D = 250mm	
POZO DE REVISIÓN	
PERFIL DEL TERRENO	
CALLES / VIAS	
LIMITES TERRITORIALES	

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CIL	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO



RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO A					
PZ - A87	761769.08	9852450.17	3047.92	-	3044.82
PZ - A151	761858.42	9852452.18	3042.66	3040.54	3040.54
PZ - A152	761899.60	9852455.55	3039.65	3037.39	3037.39
PZ - A153	761954.81	9852458.23	3035.90	3033.84	3033.84
PZ - A154	761997.93	9852481.22	3031.83	3028.85	3028.85
PZ - A155	762049.88	9852683.65	3028.64	3023.54	3023.54
PZ - A156	762130.16	9852710.73	3018.26	3015.46	3015.46
PZ - A157	762173.45	9852658.32	3010.57	3008.37	3008.37
PZ - A158	762222.99	9852913.47	3005.54	3003.48	3003.48
PZ - A159	762261.48	9852960.50	2999.94	2997.94	2997.94
PZ - A160	762303.75	9852960.52	2998.42	2996.37	2995.72
PZ - A161	762342.96	9853026.87	2996.50	2994.00	2994.00
PZ - A162	762369.16	9853048.13	2996.07	2991.79	2991.57
PZ - A163	762389.59	9853085.57	2992.22	2990.62	2990.22
PZ - A164	762419.94	9853127.76	2990.32	2988.46	2988.46
PZ - A165	762441.70	9853167.15	2987.11	2985.32	2985.32
PZ - A166	762461.76	9853229.13	2982.57	2980.51	2980.21
PZ - A167	762479.19	9852973.04	2999.51	-	2996.87
PZ - A168	762342.96	9853026.87	2996.50	2994.00	2994.00
TRAMO B					
PZ - A169	761848.31	9852637.38	3042.53	-	3040.03
PZ - A167	761873.98	9852465.70	3041.11	3038.31	3038.31
PZ - A152	761899.60	9852455.55	3039.65	3037.39	3037.39
TRAMO C					
PZ - A169	761942.47	9852477.82	3045.63	-	3042.13
PZ - A170	761974.31	9852627.32	3038.89	3036.99	3036.99
PZ - A152	761899.60	9852455.55	3039.65	3037.39	3037.39
TRAMO D					
PZ - A171	762020.34	9852761.07	3032.19	-	3029.19
PZ - A172	762036.34	9852725.59	3028.77	3026.42	3026.42
PZ - A155	762049.88	9852683.65	3026.64	3023.54	3023.54
TRAMO E					
PZ - A176	762083.71	9852545.12	3034.79	-	3033.24
PZ - A175	762069.47	9852629.68	3032.34	3029.14	3029.14
PZ - A174	762059.88	9852655.67	3028.99	3027.48	3027.48
PZ - A155	762049.88	9852683.65	3026.64	3023.54	3023.54
TRAMO F					
PZ - A172	761951.07	9852735.03	3034.55	-	3032.75
PZ - A171	762020.34	9852761.07	3032.19	3029.19	3029.19
TRAMO G					
PZ - A188	762153.61	9853131.12	3017.22	-	3015.62
PZ - A189	762186.82	9853063.81	3016.65	3013.15	3013.15
PZ - A190	762203.55	9853030.81	3014.42	3010.92	3010.92
PZ - A191	762228.14	9853001.19	3008.73	3005.23	3005.23
PZ - A192	762241.25	9852989.75	3004.07	3002.17	3002.17
PZ - A159	762261.48	9852960.50	2999.94	2997.94	2997.94
TRAMO H					
PZ - A192	762303.75	9852960.52	2998.42	-	2995.72
PZ - A193	762342.96	9853026.87	2996.50	2994.00	2994.00
PZ - A194	762369.16	9853048.13	2996.07	2991.79	2991.57
PZ - A195	762389.59	9853085.57	2992.22	2990.62	2990.22
PZ - A196	762419.94	9853127.76	2990.32	2988.46	2988.46
PZ - A197	762441.70	9853167.15	2987.11	2985.32	2985.32
PZ - A198	762461.76	9853229.13	2982.57	2980.51	2980.21
PZ - A199	762479.19	9852973.04	2999.51	-	2996.87
PZ - A188	762342.96	9853026.87	2996.50	2994.00	2994.00
PZ - A199	762479.19	9852973.04	2999.51	-	2996.87
PZ - A198	762342.96	9853026.87	2996.50	2994.00	2994.00
PZ - A197	762441.70	9853167.15	2987.11	2985.32	2985.32
PZ - A196	762419.94	9853127.76	2990.32	2988.46	2988.46
PZ - A195	762389.59	9853085.57	2992.22	2990.62	2990.22
PZ - A194	762369.16	9853048.13	2996.07	2991.79	2991.57
PZ - A193	762342.96	9853026.87	2996.50	2994.00	2994.00
PZ - A192	762303.75	9852960.52	2998.42	-	2995.72
PZ - A191	762261.48	9852960.50	2999.94	2997.94	2997.94
PZ - A190	762203.55	9853030.81	3014.42	3010.92	3010.92
PZ - A189	762186.82	9853063.81	3016.65	3013.15	3013.15
PZ - A188	762153.61	9853131.12	3017.22	-	3015.62
PZ - A187	762111.07	9853167.15	2987.11	2985.32	2985.32
PZ - A186	762069.47	9852629.68	3032.34	3029.14	3029.14
PZ - A185	762020.34	9852761.07	3032.19	3029.19	3029.19
PZ - A184	762000.00	9852761.07	3032.19	3029.19	3029.19
PZ - A183	761974.31	9852627.32	3038.89	3036.99	3036.99
PZ - A182	761942.47	9852477.82	3045.63	3042.13	3042.13
PZ - A181	761916.70	9852425.84	3048.84	3045.34	3045.34
PZ - A180	761899.60	9852455.55	3039.65	3037.39	3037.39
PZ - A179	761873.98	9852465.70	3041.11	3038.31	3038.31
PZ - A178	761848.31	9852637.38	3042.53	-	3040.03
PZ - A177	761822.99	9852658.32	3010.57	3008.37	3008.37
PZ - A176	761797.93	9852683.65	3028.85	3026.64	3026.64
PZ - A175	761772.99	9852710.73	3018.26	3015.46	3015.46
PZ - A174	761747.93	9852735.03	3034.55	-	3032.75
PZ - A173	761722.99	9852761.07	3032.19	3029.19	3029.19
PZ - A172	761697.93	9852785.39	3029.64	3026.42	3026.42
PZ - A171	761672.99	9852810.00	3026.64	3023.54	3023.54
PZ - A170	761647.93	9852834.61	3023.54	3020.46	3020.46
PZ - A169	761622.99	9852858.22	3020.46	3017.38	3017.38
PZ - A168	761597.93	9852881.83	3017.38	3014.30	3014.30
PZ - A167	761572.99	9852905.44	3014.30	3011.22	3011.22
PZ - A166	761547.93	9852929.05	3011.22	3008.14	3008.14
PZ - A165	761522.99	9852952.66	3008.14	3005.06	3005.06
PZ - A164	761497.93	9852976.27	3005.06	3001.98	3001.98
PZ - A163	761472.99	9852999.88	3001.98	2998.90	2998.90
PZ - A162	761447.93	9853023.49	2998.90	2995.82	2995.82
PZ - A161	761422.99	9853047.10	2995.82	2992.74	2992.74
PZ - A160	761397.93	9853070.71	2992.74	2989.66	2989.66
PZ - A159	761372.99	9853094.32	2989.66	2986.58	2986.58
PZ - A158	761347.93	9853117.93	2986.58	2983.50	2983.50
PZ - A157	761322.99	9853141.54	2983.50	2980.42	2980.42
PZ - A156	761297.93	9853165.15	2980.42	2977.34	2977.34
PZ - A155	761272.99	9853188.76	2977.34	2974.26	2974.26
PZ - A154	761247.93	9853212.37	2974.26	2971.18	2971.18
PZ - A153	761222.99	9853235.98	2971.18	2968.10	2968.10
PZ - A152	761197.93	9853259.59	2968.10	2965.02	2965.02
PZ - A151	761172.99	9853283.20	2965.02	2961.94	2961.94
PZ - A150	761147.93	9853306.81	2961.94	2958.86	2958.86
PZ - A149	761122.99	9853329.42	2958.86	2955.78	2955.78
PZ - A148	761097.93	9853353.03	2955.78	2952.70	2952.70
PZ - A147	761072.99	9853376.64	2952.70	2949.62	2949.62
PZ - A146	761047.93	9853400.25	2949.62	2946.54	2946.54
PZ - A145	761022.99	9853423.86	2946.54	2943.46	2943.46
PZ - A144	761000.00	9853447.47	2943.46	2940.38	2940.38
PZ - A143	760975.00	9853471.08	2940.38	2937.30	2937.30
PZ - A142	760950.00	9853494.69	2937.30	2934.22	2934.22
PZ - A141	760925.00	9853518.30	2934.22	2931.14	2931.14
PZ - A140	760900.00	9853541.91	2931.14	2928.06	2928.06
PZ - A139	760875.00	9853565.52	2928.06	2924.98	2924.98
PZ - A138	760850.00	9853589.13	2924.98	2921.90	2921.90
PZ - A137	760825.00	9853612.74	2921.90	2918.82	2918.82
PZ - A136	760800.00	9853636.35	2918.82	2915.74	2915.74
PZ - A135	760775.00	9853660.00	2915.74	2912.66	2912.66
PZ - A134	760750.00	9853683.65	2912.66	2909.58	2909.58
PZ - A133	760725.00	9853707.30	2909.58	2906.50	2906.50
PZ - A132	760700.00	9853730.95	2906.50	2903.42	2903.42
PZ - A131	760675.00	9853754.60	2903.42	2900.34	2900.34
PZ - A130	760650.00	9853778.25	2900.34	2897.26	2897.26
PZ - A129	760625.00	9853801.90	2897.26	2894.18	2894.18
PZ - A128	760600.00	9853825.55	2894.18	2891.10	2891.10
PZ - A127	760575.00	9853849.20	2891.10	2888.02	2888.02
PZ - A126	760550.00	9853872.85	2888.02	2884.94	2884.94
PZ - A125	760525.00	9853896.50	2884.94	2881.86	2881.86
PZ - A124	760500.00	9853920.15			



UBICACIÓN DEL PROYECTO

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

TUBERÍA PVC D = 250mm
TUBERÍA H.S. D = 250mm

POZO DE REVISIÓN

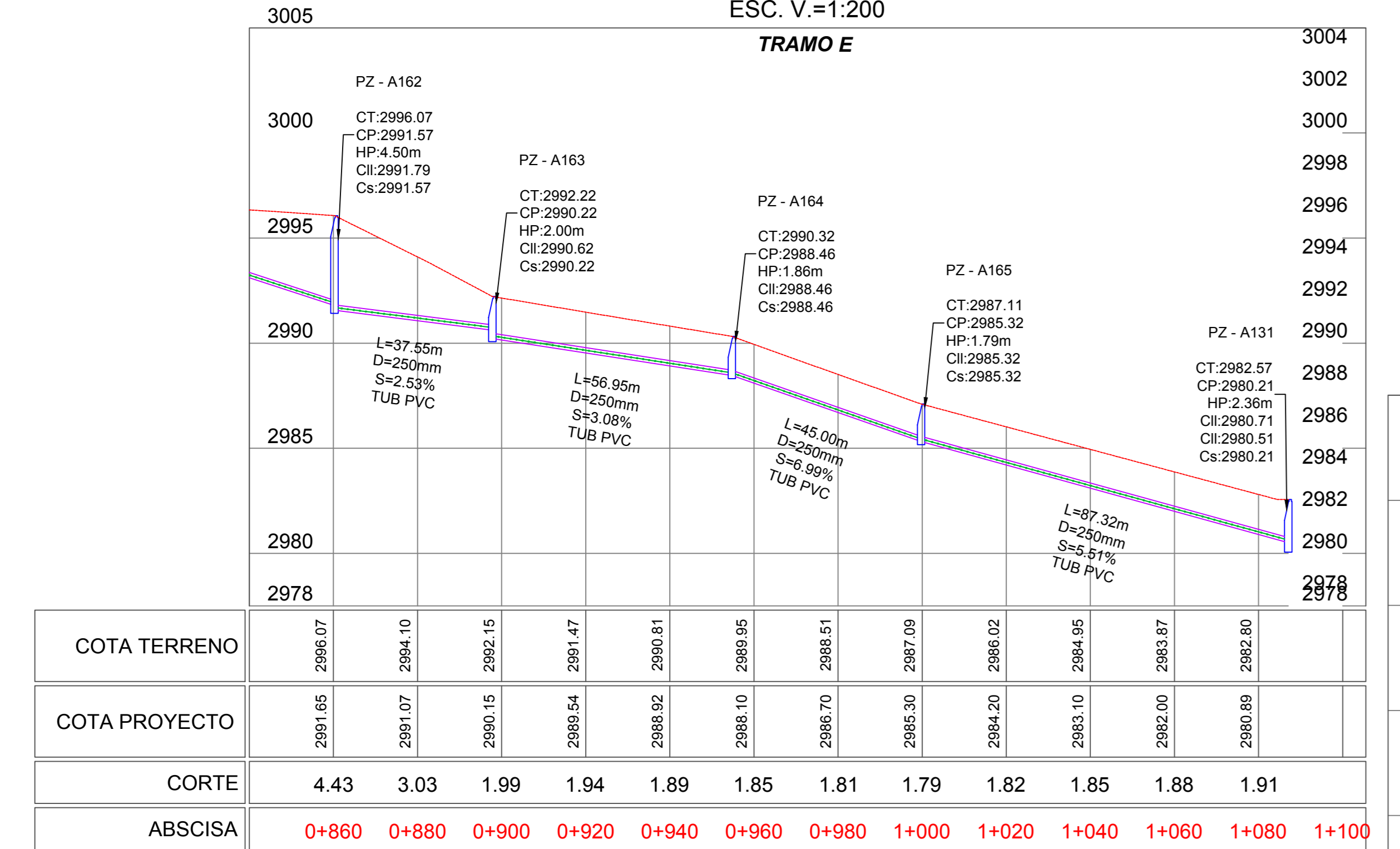
PERFIL DEL TERRENO
CALLES / VIAS

LIMITES TERRITORIALES

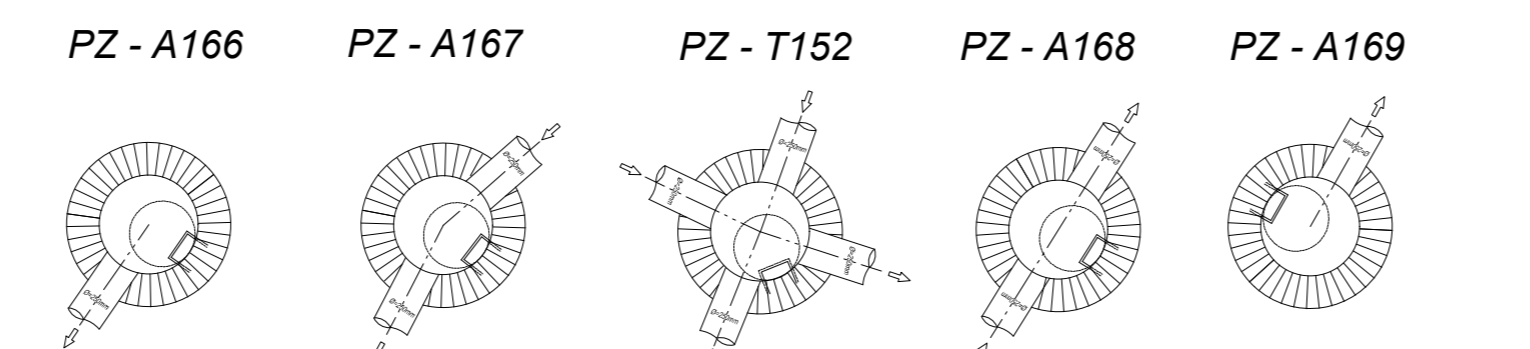
RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ - A80	761769.06	985245.17	3047.92	-	3044.92
PZ - A151	761628.42	985252.19	3042.69	3040.54	3040.54
PZ - A152	761899.60	985245.55	3039.65	3037.39	3037.39
PZ - A153	761954.81	985245.23	3039.90	3033.84	3033.84
PZ - A154	761997.93	985218.22	3031.83	3028.85	3028.85
PZ - A155	762049.88	985263.65	3028.64	3023.54	3023.54
PZ - A156	762130.16	985270.73	3018.26	3015.46	3015.46
PZ - A157	762173.45	985268.32	3010.57	3008.37	3008.37
PZ - A158	762222.99	9852913.47	3005.54	3003.48	3003.48
PZ - A159	762261.48	9852960.50	2999.94	2997.94	2997.94
PZ - A160	762303.75	9852960.82	2998.42	2996.37	2996.37
PZ - A161	762342.96	9853026.87	2996.50	2994.00	2994.00
PZ - A162	762369.16	9853048.13	2996.07	2991.79	2991.79
PZ - A163	762380.99	9853080.55	2992.22	2990.62	2990.62
PZ - A164	762419.94	9853127.76	2990.32	2988.46	2988.46
PZ - A165	762441.70	9853167.15	2987.11	2985.32	2985.32
PZ - A131	762461.76	9853252.13	2982.57	2980.21	2980.21
PZ - A193	762379.19	9852973.04	2999.51	2996.87	2996.87
PZ - A161	762342.96	9853026.87	2996.50	2994.00	2994.00

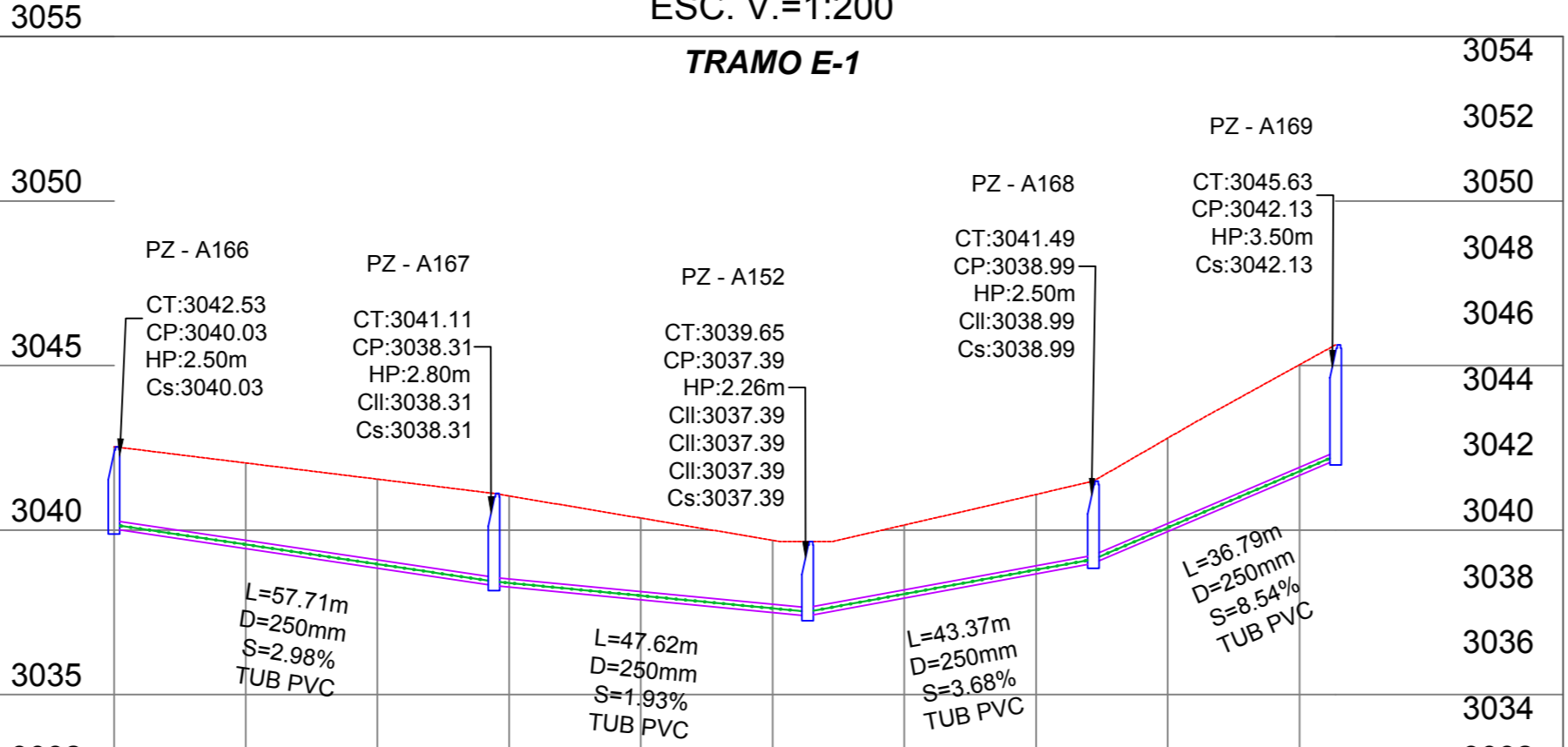
PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



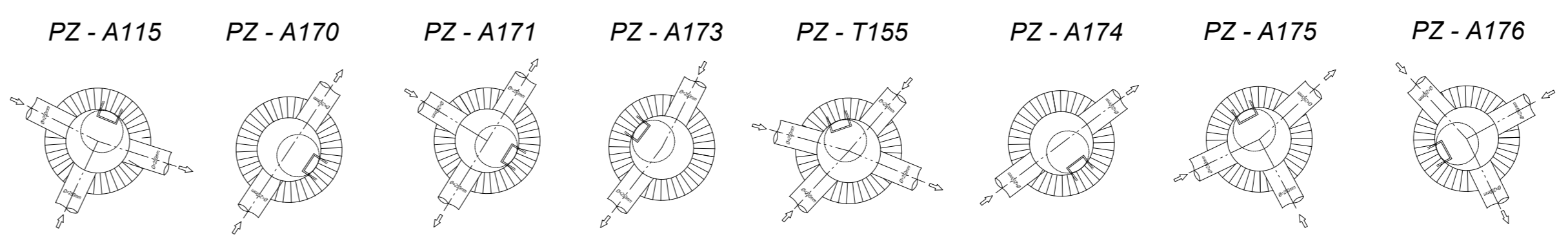
DETALLES POZOS



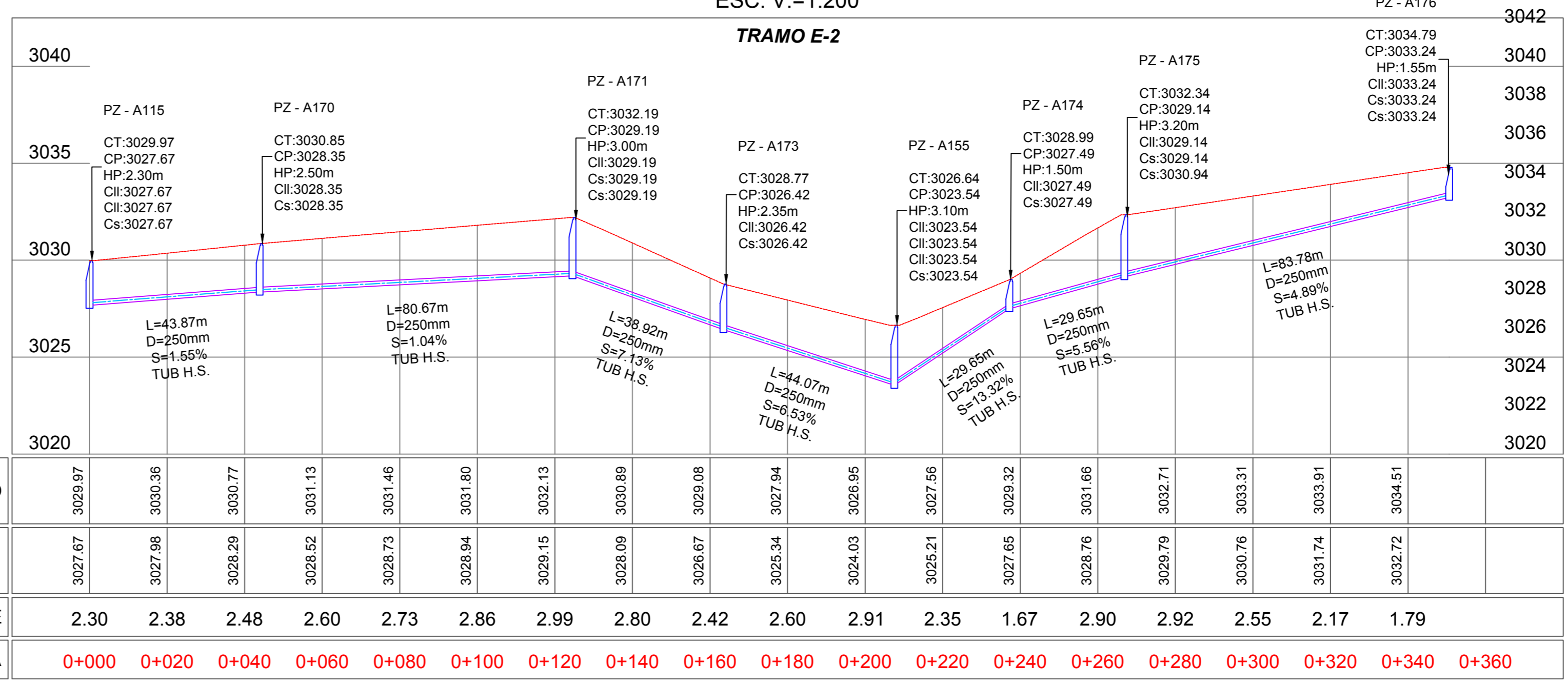
PERFIL LONGITUDINAL
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ESC. V.=1:200



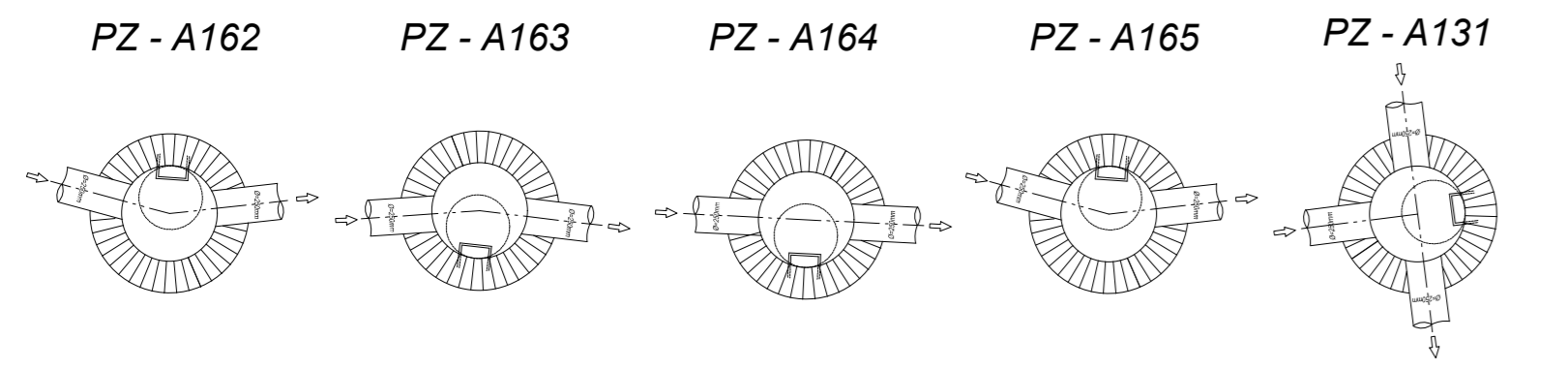
DETALLES POZOS



PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



DETALLES POZOS



G.A.D. MUNICIPAL DEL CANTON TISALEO

CONTIENE:
RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA, TRAMO E-1, E-2, E-3.

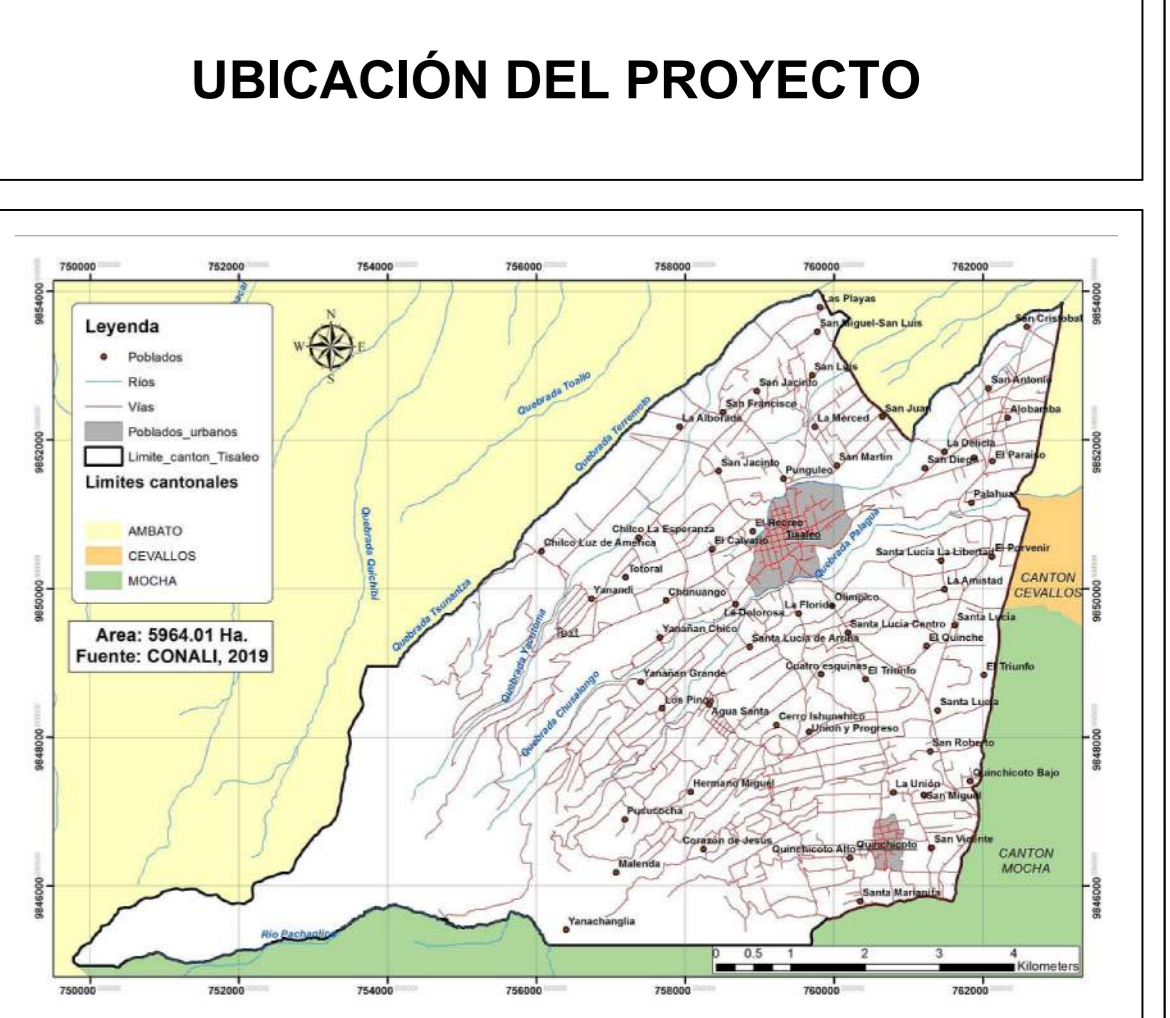
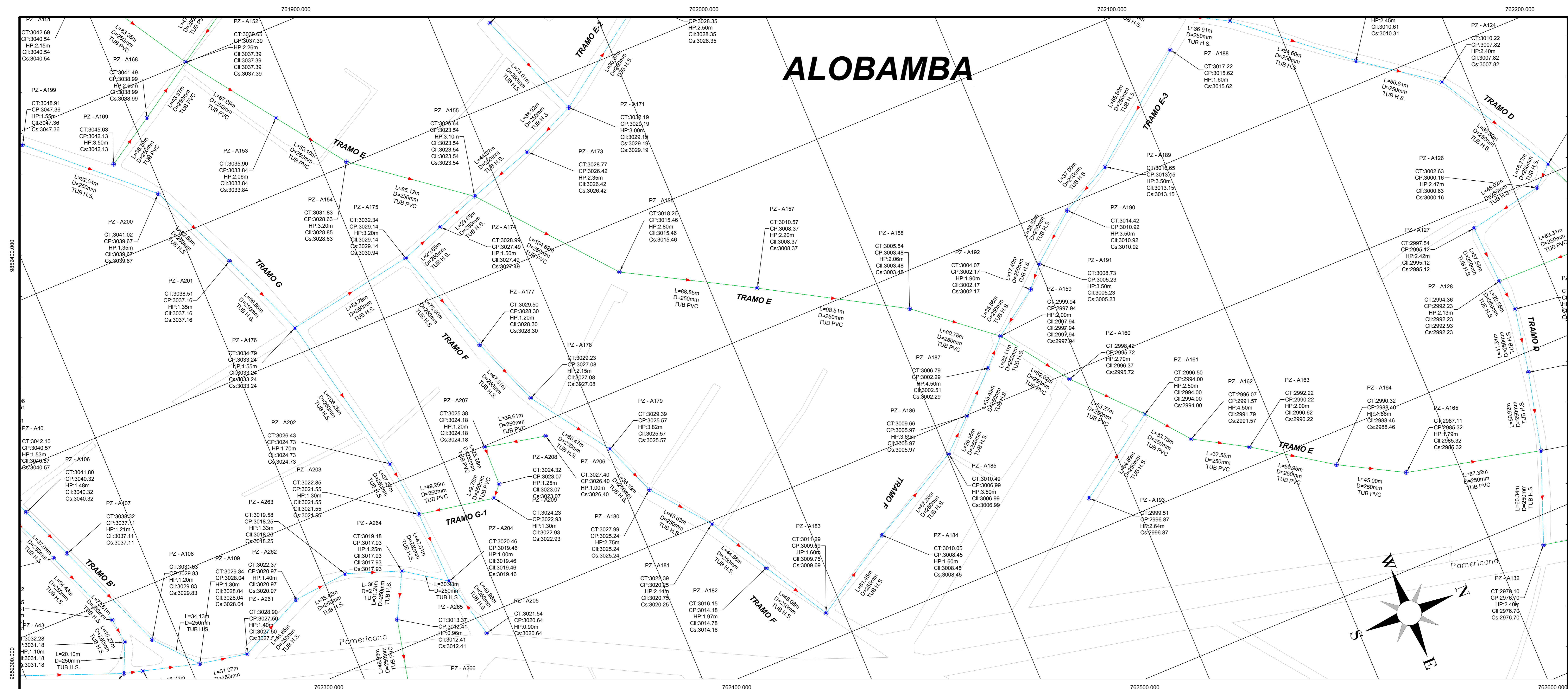
PROVINCIA: TUNGURAHUA | CANTON: TISALEO | SECTOR: ALOBAMBA

FECHA: NOVIEMBRE 2022 | ESCALA: 1:1000

ELABORADO POR: Eglis Tamia Bonita Testa | REVISADO POR: Ing. Gato Núñez Tutor | APROBADO POR: Ing. Gato Núñez Tutor

TOTAL LÁMINAS: 27 | LÁMINA: 13

ALOBAMBA



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

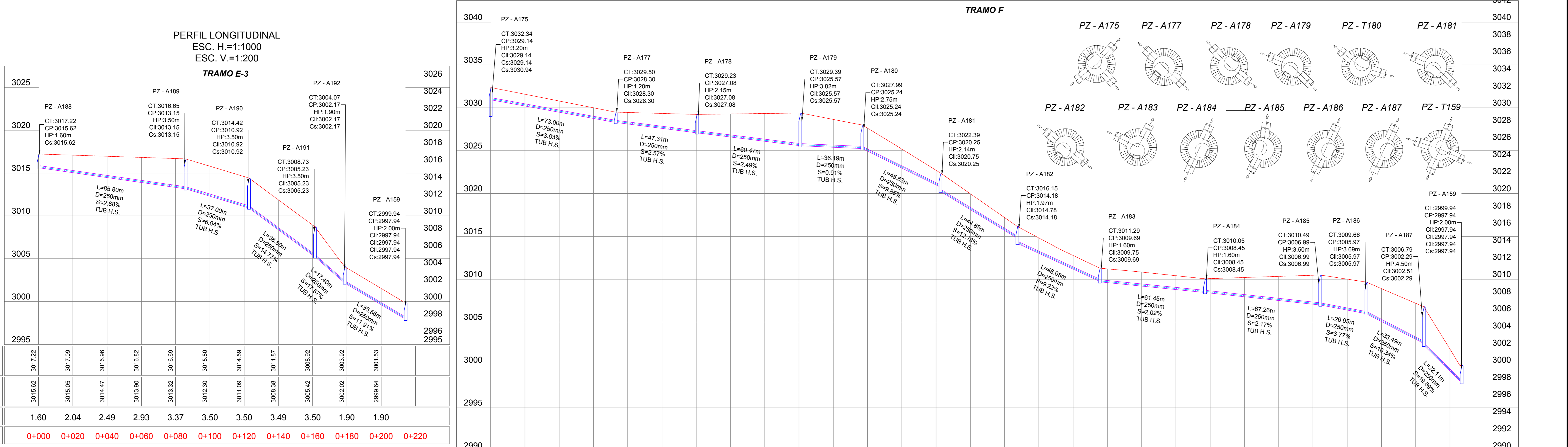
ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LIMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CIL	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ - A171	762020.34	9852761.07	3032.19	3028.35	3029.19
PZ - A170	761974.31	9852827.32	3030.85	3028.35	3028.35
PZ - A175	761948.73	9852862.96	3029.97	3027.67	3027.67
PZ - A171	762020.34	9852761.07	3032.19	3028.35	3029.19
PZ - A173	762036.34	9852725.59	3028.77	3026.42	3026.42
PZ - A155	762049.88	9852683.65	3029.64	3023.54	3023.54
PZ - A176	762093.71	9852545.12	3034.79	3029.14	3033.24
PZ - A174	762059.68	9852655.67	3028.99	3027.49	3027.49
PZ - A155	762049.88	9852683.65	3029.64	3023.54	3023.54
PZ - A172	761951.07	9852735.03	3034.55	3032.75	3032.75
PZ - A171	762020.34	9852761.07	3032.19	3028.35	3029.19
PZ - A188	762133.61	9853131.12	3017.22	3015.62	3015.62
PZ - A180	762186.82	9853063.81	3016.65	3013.15	3013.15
PZ - A190	762203.55	9853000.81	3014.42	3010.92	3010.92
PZ - A191	762228.14	9852981.19	3009.73	3005.23	3005.23
PZ - A192	762241.25	9852989.75	3004.07	3002.17	3002.17
PZ - A159	762261.48	9852960.50	2999.94	2997.94	2997.94
PZ - A175	762099.47	9852677.68	3032.34	3028.30	3030.94
PZ - A177	762138.92	9852650.16	3029.50	3028.30	3028.30
PZ - A178	762183.03	9852687.78	3029.23	3027.08	3027.08
PZ - A179	762232.72	9852701.73	3029.39	3025.57	3025.57
PZ - A180	762286.36	9852715.08	3027.99	3025.24	3025.24
PZ - A181	762301.90	9852743.70	3022.39	3020.75	3020.75
PZ - A182	762341.33	9852765.13	3016.15	3014.78	3014.78
PZ - A183	762382.81	9852789.44	3011.29	3009.75	3009.69
PZ - A184	762430.43	9852841.67	3010.05	3008.45	3008.45
PZ - A185	762418.53	9852900.88	3010.49	3006.99	3006.96
PZ - A186	762400.51	9852920.92	3009.66	3005.97	3005.97
PZ - A187	762277.44	9852945.19	3006.79	3002.51	3002.29
PZ - A158	762261.48	9852960.50	2999.94	2997.94	2997.94

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEORREGENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

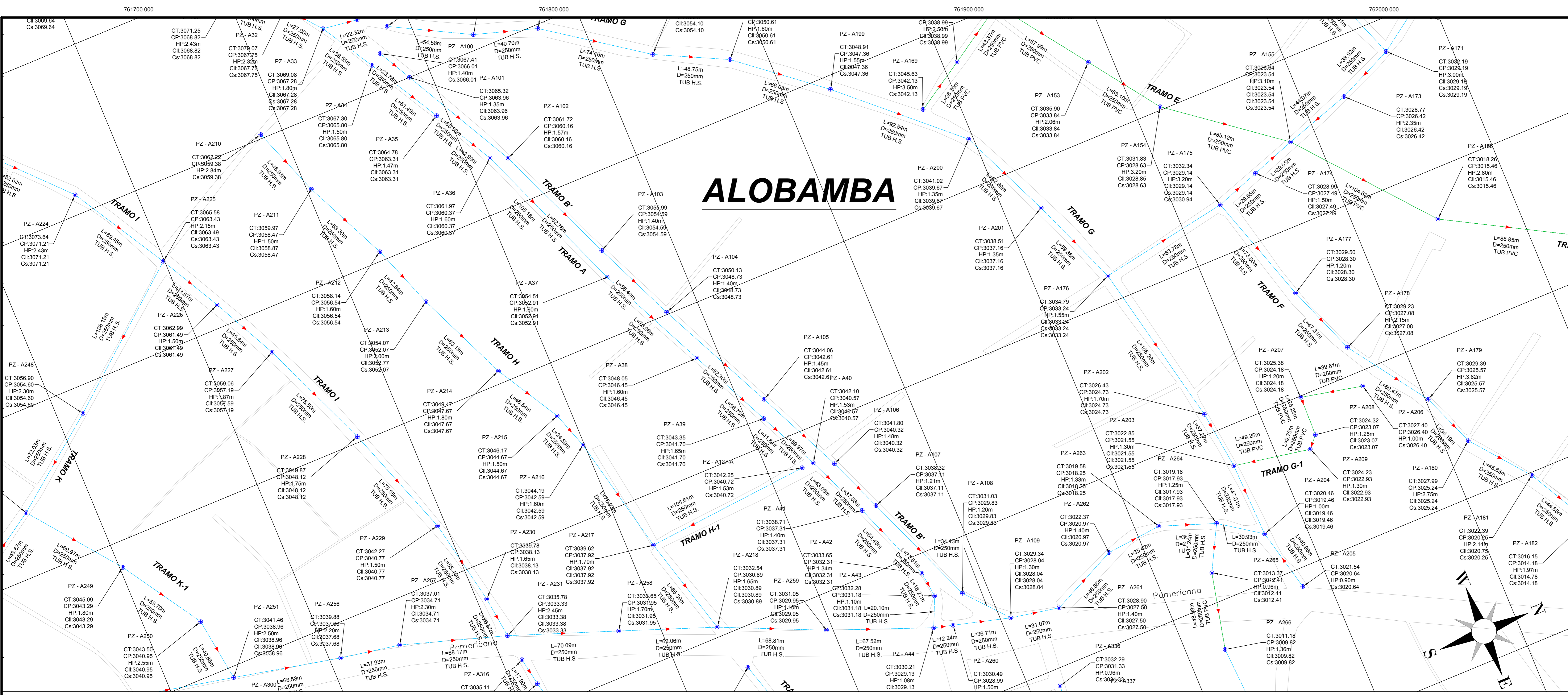
CONTIENE: RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA, TRAMO E-3. F.

PROVINCIA: TUNGURAHUA | CANTÓN: TISALEO | SECTOR: ALOBAMBA

FECHA: NOVIEMBRE 2022 | ESCALA: 1:1000

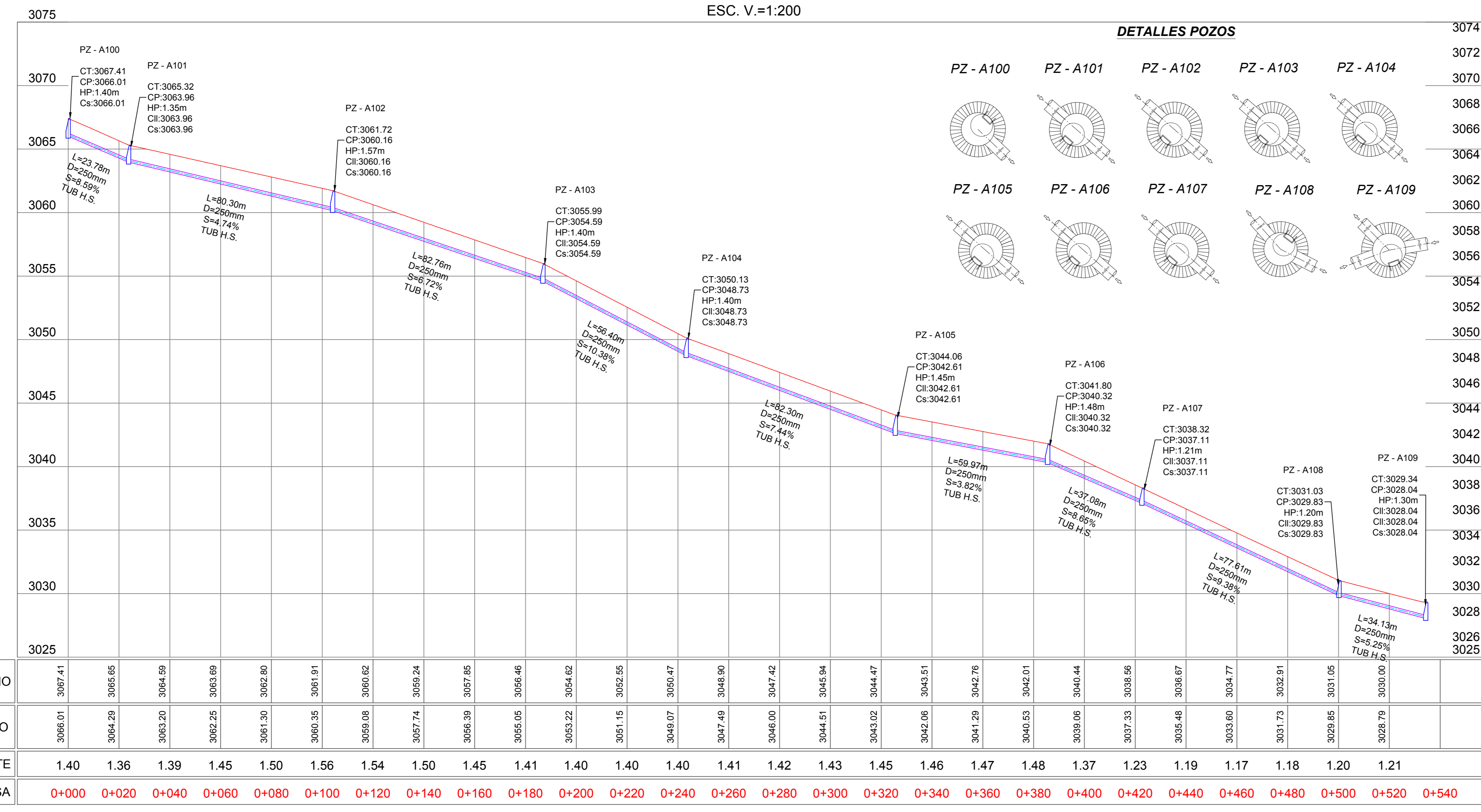
ELABORADO POR: Ing. Galy Núñez Tutor | REVISADO POR: Ing. Galy Núñez Tutor | APROBADO POR: Ing. Galy Núñez Tutor

LÁMINA: LÁMINA 1 | TOTAL LÁMINAS: 27



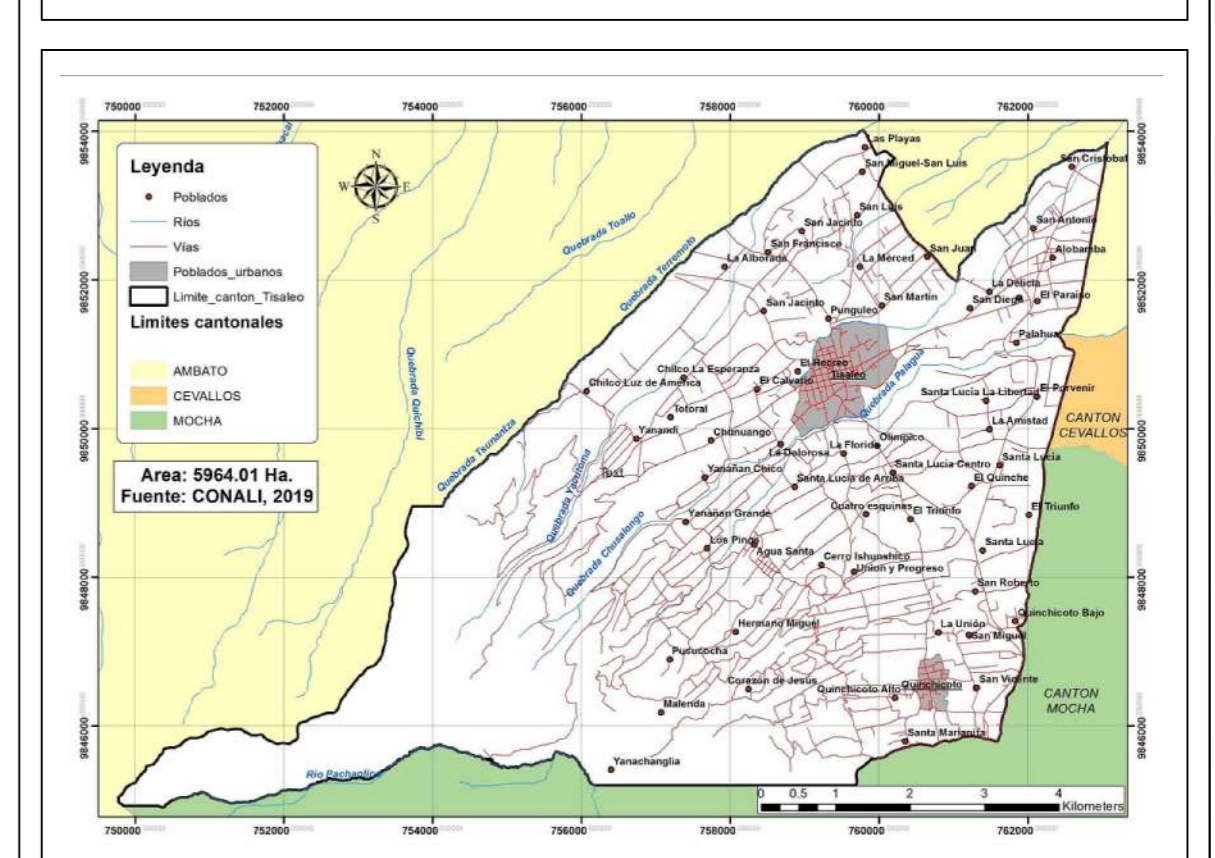
ALOBAMBA

PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



	0+00	0+20	0+40	0+60	0+80	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	
COTA TERRENO	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41	3067.41
COTA PROYECTO	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01	3065.01
CORTE	1.40	1.36	1.39	1.45	1.50	1.56	1.54	1.50	1.45	1.41	1.40	1.40	1.40	1.41	1.42	1.43	1.45	1.46	1.47	1.48	1.48	1.37	1.23	1.19	1.17	1.18	1.20	1.21	
ABSCISA	0+00	0+20	0+40	0+60	0+80	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	

UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
 COORDENADAS UTM: 759323.24 m E
 9850780.17 m S
 ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VIAS
- LIMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CI	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

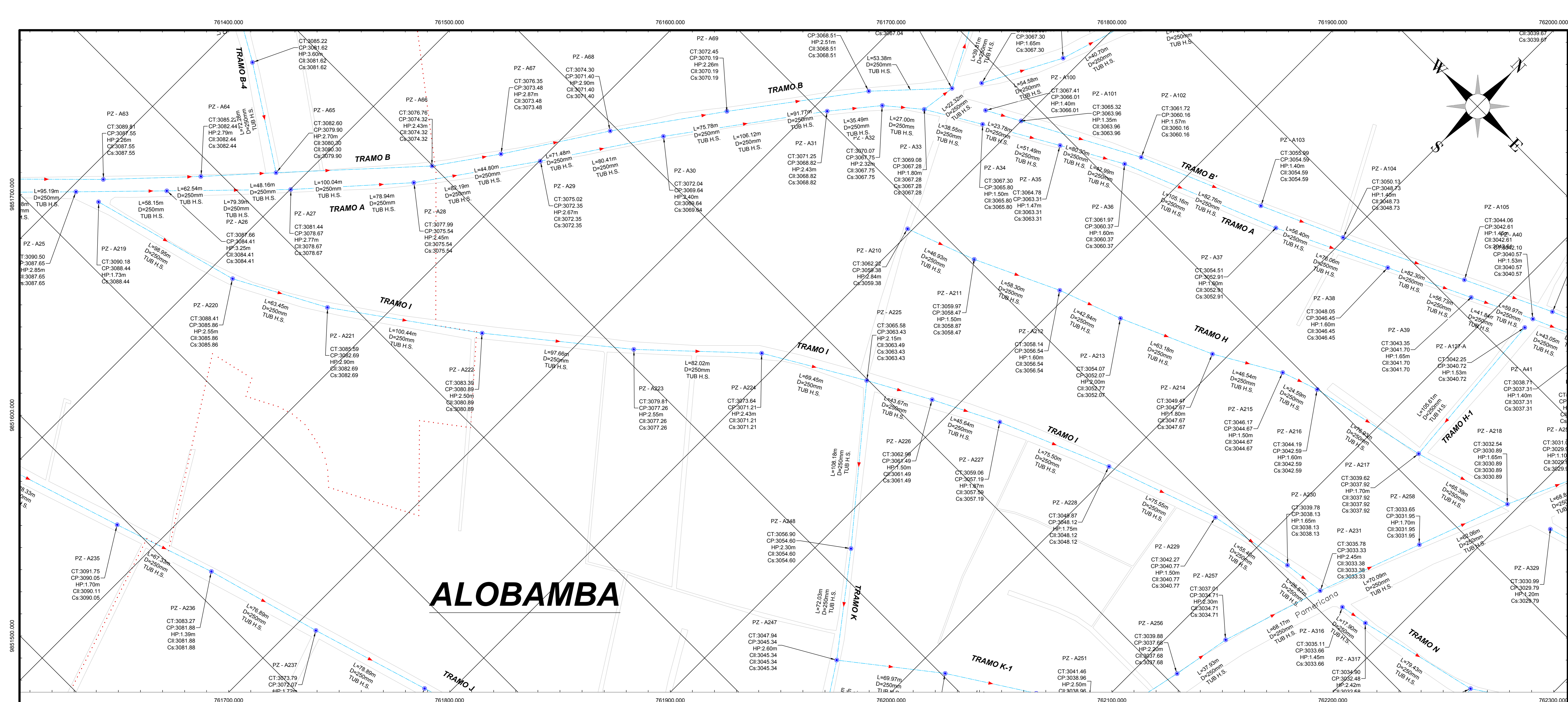
POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO G					
PZ - A184	761765.00	9852186.00	3068.85	-	3067.30
PZ - A185	761780.59	9852221.21	3065.43	3063.88	3063.88
PZ - A186	761802.48	9852273.13	3061.46	3059.96	3059.96
PZ - A187	761845.30	9852333.68	3055.75	3054.10	3054.10
PZ - A188	761866.88	9852371.40	3052.21	3050.61	3050.61
PZ - A189	761908.46	9852428.69	3048.91	3047.36	3047.36
PZ - A200	761970.76	9852497.10	3041.02	3039.67	3039.67
PZ - A201	762028.21	9852522.68	3038.51	3037.16	3037.16
PZ - A176	762083.71	9852545.12	3034.79	3033.24	3033.24
PZ - A202	762187.50	9852597.92	3029.43	3024.73	3024.73
PZ - A203	762244.47	9852672.84	3022.85	3021.55	3021.55
PZ - A204	762271.45	9852674.14	3020.46	3019.46	3019.46
PZ - A205	762311.28	9852583.67	3021.54	-	3020.64
PZ - A204	762271.45	9852674.14	3020.46	3019.46	3019.46
TRAMO G-1					
PZ - A206	762209.19	9852666.80	3027.40	3024.18	3024.18
PZ - A208	762226.08	9852627.62	3024.32	3023.07	3023.07
PZ - A209	762233.31	9852621.08	3024.23	3022.93	3022.93
PZ - A203	762224.47	9852572.64	3022.85	3021.55	3021.55
TRAMO E					
PZ - A100	761779.10	9852175.42	3067.41	-	3066.01
PZ - A101	761800.03	9852186.71	3065.32	3063.97	3063.97
PZ - A102	761870.82	9852264.61	3061.73	3060.16	3060.16
PZ - A103	761947.04	9852256.85	3055.99	3054.59	3054.59
PZ - A104	761998.60	9852279.71	3050.13	3048.73	3048.73
PZ - A105	762072.73	9852315.46	3044.06	3042.61	3042.61
PZ - A106	762127.04	9852340.86	3041.80	3040.32	3040.32
PZ - A107	762161.38	9852354.88	3038.32	3037.11	3037.11
PZ - A108	762190.82	9852364.09	3035.03	3033.63	3033.63
PZ - A109	762259.16	9852406.34	3029.34	3028.04	3028.04
TRAMO H					
PZ - A210	761797.46	9852088.41	3062.22	-	3059.38
PZ - A211	761841.45	9852102.74	3059.97	3058.47	3058.47
PZ - A212	761884.25	9852127.47	3056.14	3054.54	3054.54
PZ - A213	761934.46	9852142.28	3054.07	3052.17	3052.17
PZ - A214	761992.27	9852177.95	3049.47	3047.67	3047.67
PZ - A215	762032.49	9852191.17	3046.17	3044.67	3044.67
PZ - A216	762055.76	9852199.11	3044.19	3042.59	3042.59
PZ - A217	762100.82	9852215.96	3039.62	3037.92	3037.92
PZ - A218	762193.87	9852233.31	3032.54	3030.89	3030.89
TRAMO H-1					
PZ - A217-A	762121.68	9852321.18	3042.25	-	3040.72
PZ - A217	762130.82	9852215.96	3039.62	3037.92	3037.92

G.A.D. MUNICIPAL DEL CANTON TISALEO
 "CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE:
 RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA, TRAMO B

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: ALOBAMBA
 FECHA: NOVIEMBRE 2022 ESCALA: 1:1000
 ELABORADO POR: REVISADO POR: APROBADO POR: LÁMINA: LÁMINA 16
 TOTAL LÁMINAS: 27

Ing. Galy Núñez Tutor



ALOBAMBA

UBICACIÓN DEL PROYECTO

DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
 COORDENADAS UTM: 759353.24 m E, 9850780.17 m S
 ALTURA REFERENCIAL: 3249 m

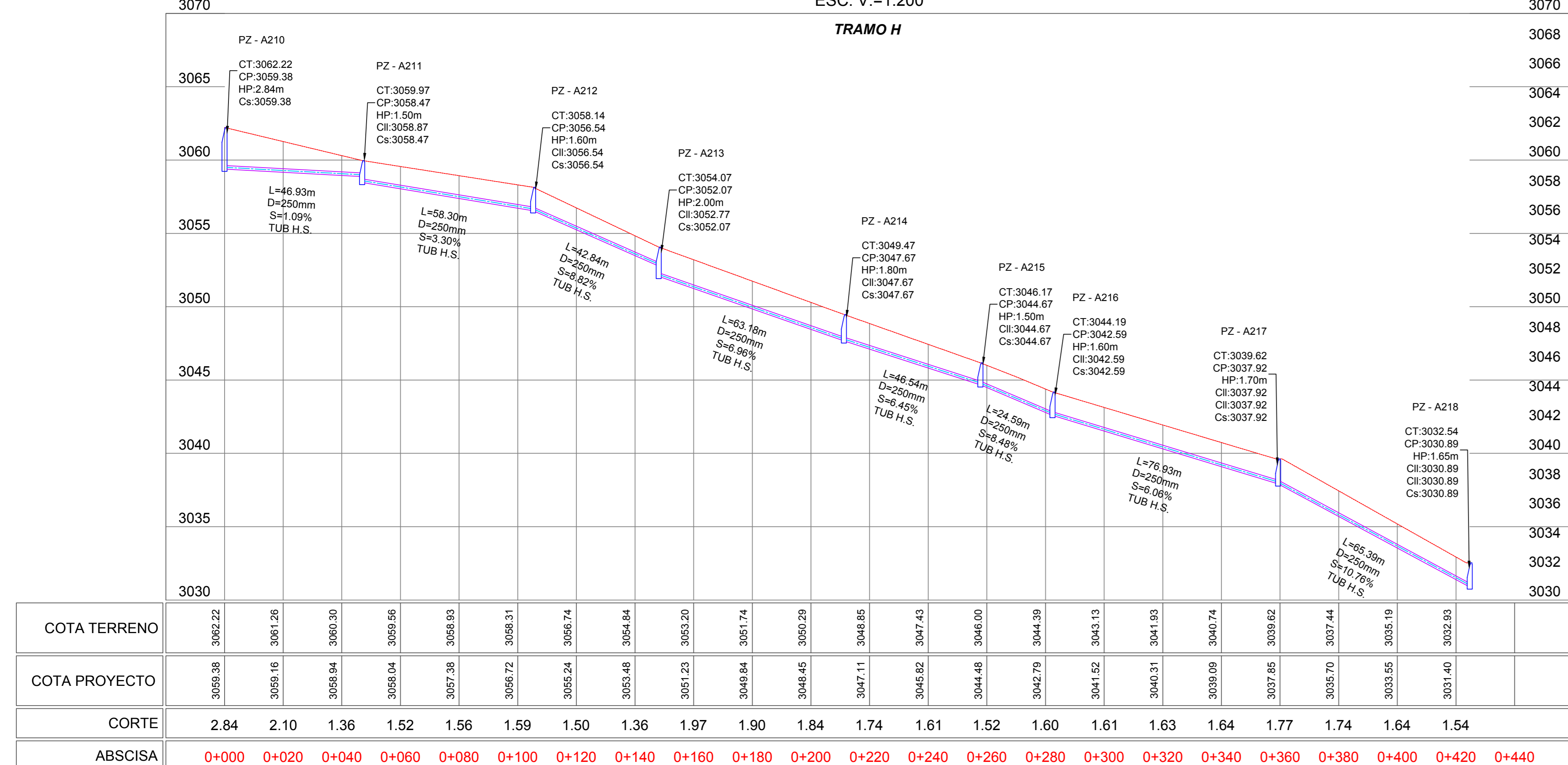
SIMBOLOGÍA

- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VIAS
- LIMITES TERRITORIALES

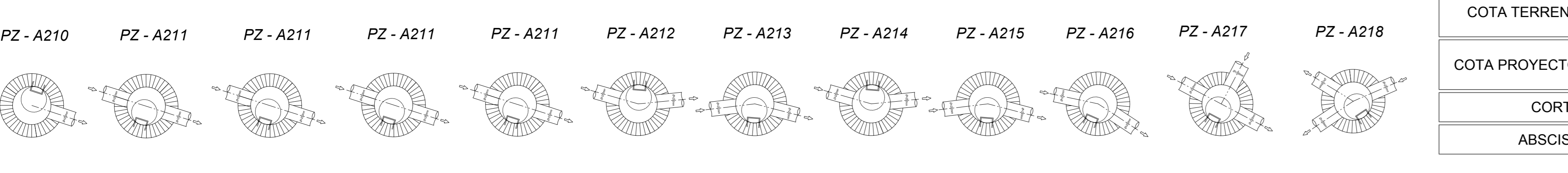
LEYENDA

- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENO
- CP COTA PROYECTO
- CI COTA DE LLEGADA
- Cs COTA DE SALIDA
- HP ALTURA DE POZO

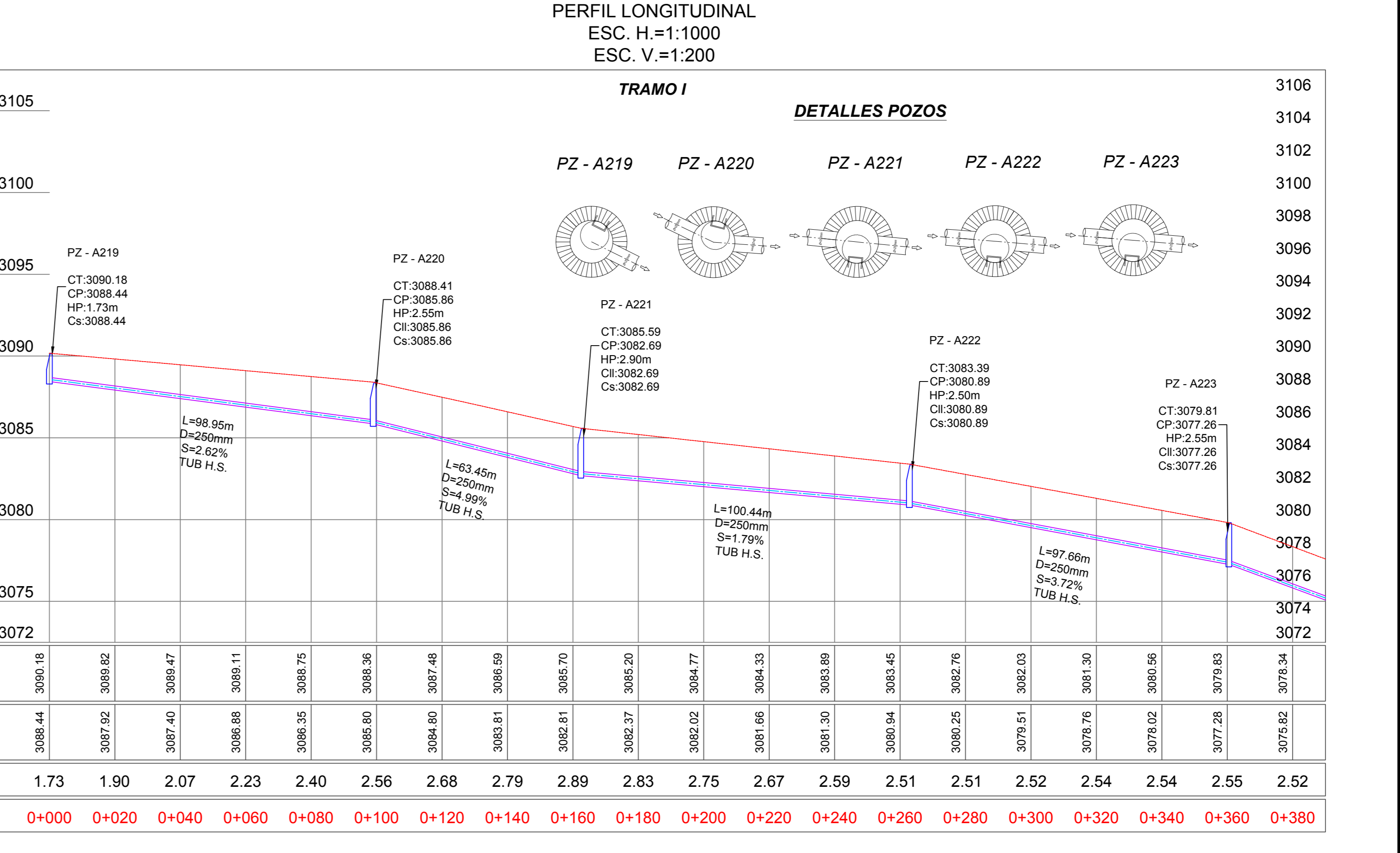
PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200



DETALLES POZOS

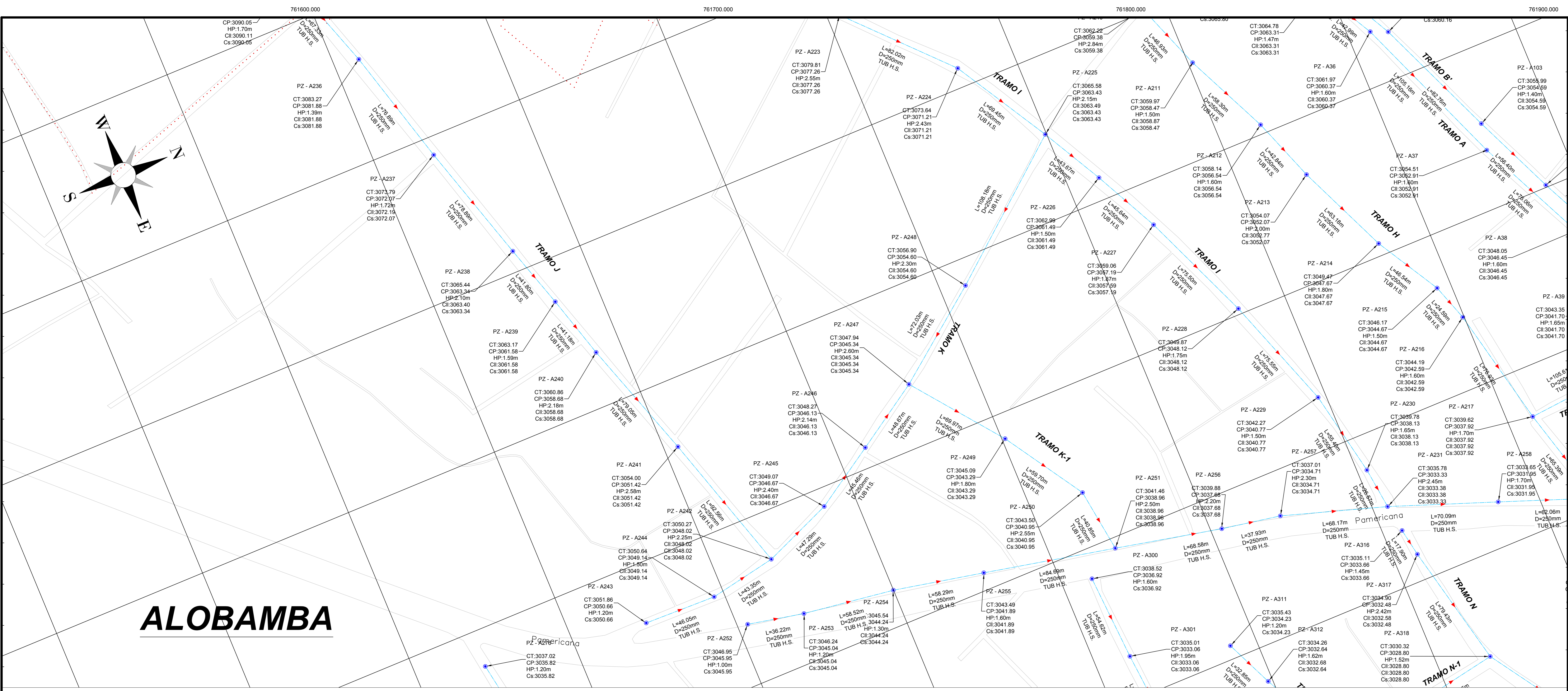


PERFIL LONGITUDINAL
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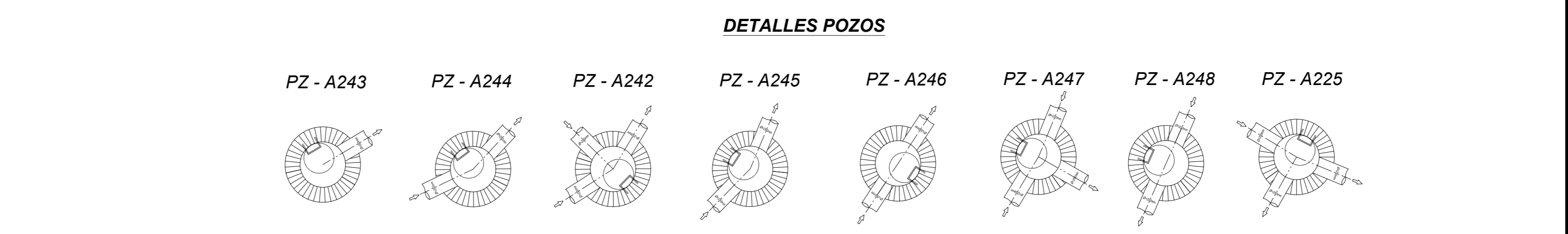
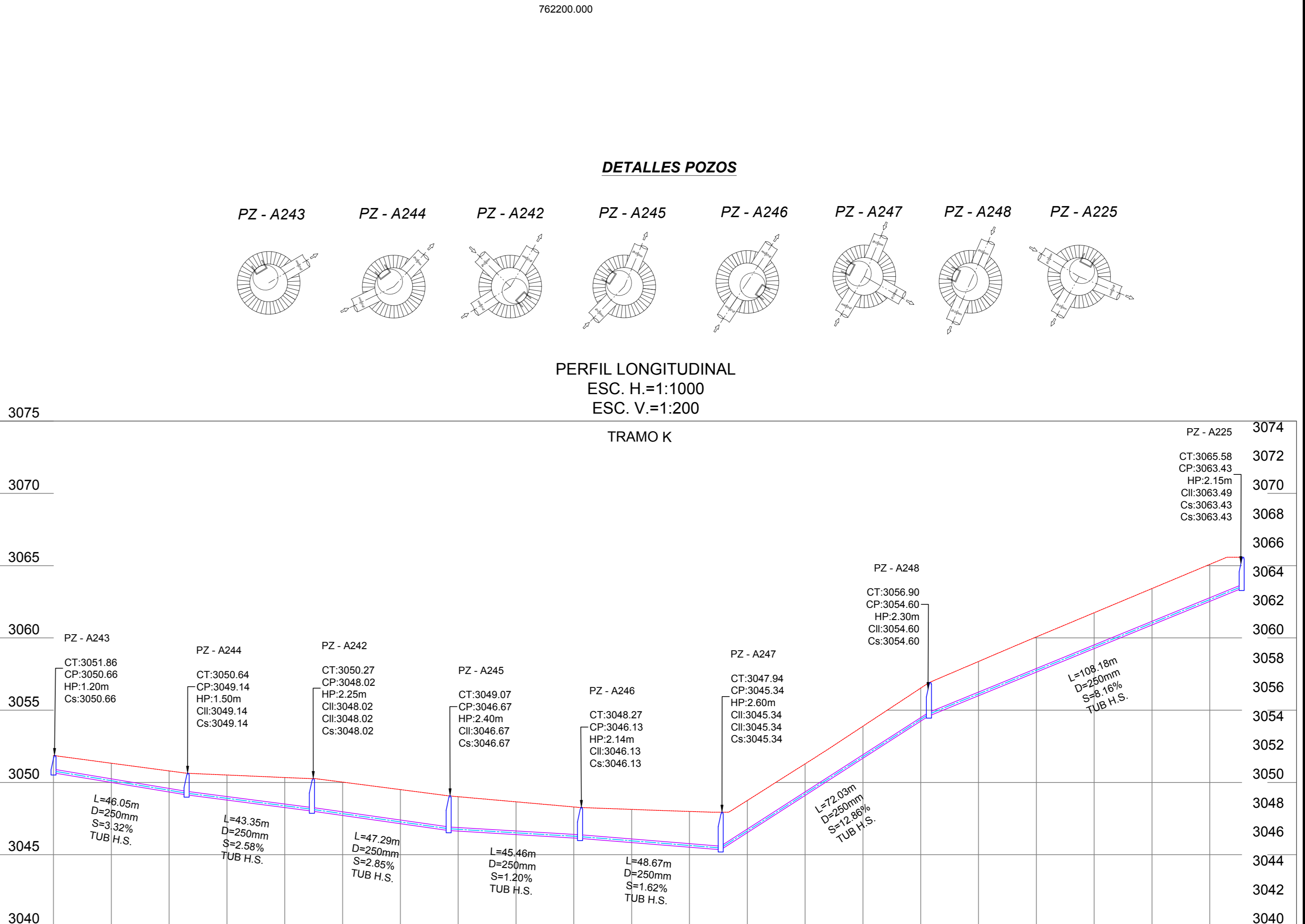
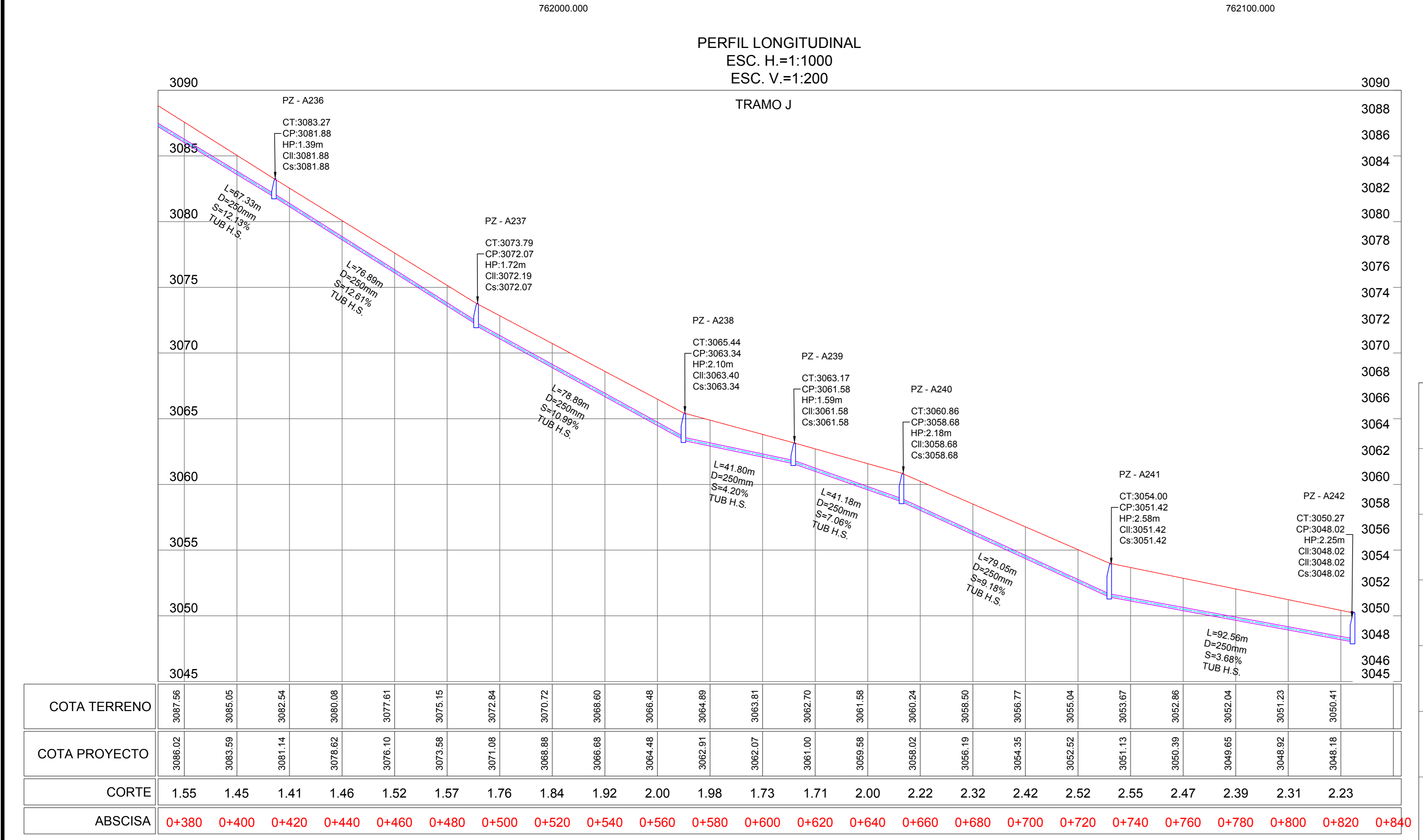


RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO A						
PZ-A101	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A102	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A103	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A104	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A105	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A106	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A107	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A108	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A109	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A110	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A111	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A112	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A113	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A114	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A115	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A116	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A117	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A118	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A119	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A120	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A121	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A122	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A123	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A124	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A125	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A126	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A127	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A128	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A129	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A130	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A131	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A132	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A133	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A134	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A135	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A136	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A137	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A138	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A139	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A140	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A141	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A142	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A143	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A144	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A145	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A146	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A147	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A148	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A149	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A150	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A151	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A152	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A153	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A154	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A155	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A156	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A157	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A158	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A159	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A160	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A161	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A162	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A163	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A164	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A165	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A166	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A167	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A168	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A169	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
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PZ-A174	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A175	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A176	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A177	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A178	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A179	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A180	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A181	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A182	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A183	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A184	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A185	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A186	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A187	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A188	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A189	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A190	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A191	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A192	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A193	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A194	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A195	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A196	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A197	761765.00	9852186.00	3068.95	3068.95	3067.30	3067.30
PZ-A198	761765.00	9852186.00	3068.95</			



ALOBAMBA



COTA TERRENO	3087.56	3085.05	3083.54	3082.08	3079.15	3077.84	3075.72	3068.60	3064.48	3064.89	3062.81	3062.70	3061.58	3062.4	3065.50	3059.77	3055.04	3052.86	3052.23	3051.41	3048.19	3045.41		
COTA PROYECTO	3086.02	3083.51	3081.14	3078.62	3075.58	3073.10	3068.88	3066.68	3064.48	3062.91	3062.07	3061.58	3062.4	3065.50	3059.77	3055.04	3052.86	3052.23	3051.41	3048.19	3045.41			
CORTE	1.55	1.45	1.41	1.46	1.52	1.57	1.76	1.84	1.92	2.00	1.98	1.71	2.00	2.22	2.32	2.42	2.52	2.55	2.47	2.39	2.31	2.23		
ABSCISA	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580	0+600	0+620	0+640	0+660	0+680	0+700	0+720	0+740	0+760	0+780	0+800	0+820	0+840

COTA TERRENO	3050.66	3050.33	3049.80	3048.78	3048.25	3047.72	3047.15	3046.63	3046.01	3046.39	3046.15	3045.84	3045.51	3045.27	3045.09	3045.61	3045.29	3045.89	3045.46	3045.24	3046.63	3046.09
COTA PROYECTO	3050.66	3050.33	3049.80	3048.78	3048.25	3047.72	3047.15	3046.63	3046.01	3046.39	3046.15	3045.84	3045.51	3045.27	3045.09	3045.61	3045.29	3045.89	3045.46	3045.24	3046.63	3046.09
CORTE	1.20	1.33	1.46	1.74	2.08	2.31	2.36	2.38	2.27	2.15	2.30	2.48	2.23	2.19	2.22	2.29	2.37	2.43	2.48	2.52	2.56	
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420

UBICACIÓN DEL PROYECTO

DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
 COORDENADAS UTM: 759353.24 m E, 9850780.17 m S
 ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VIAS
- LIMITES TERRITORIALES

RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

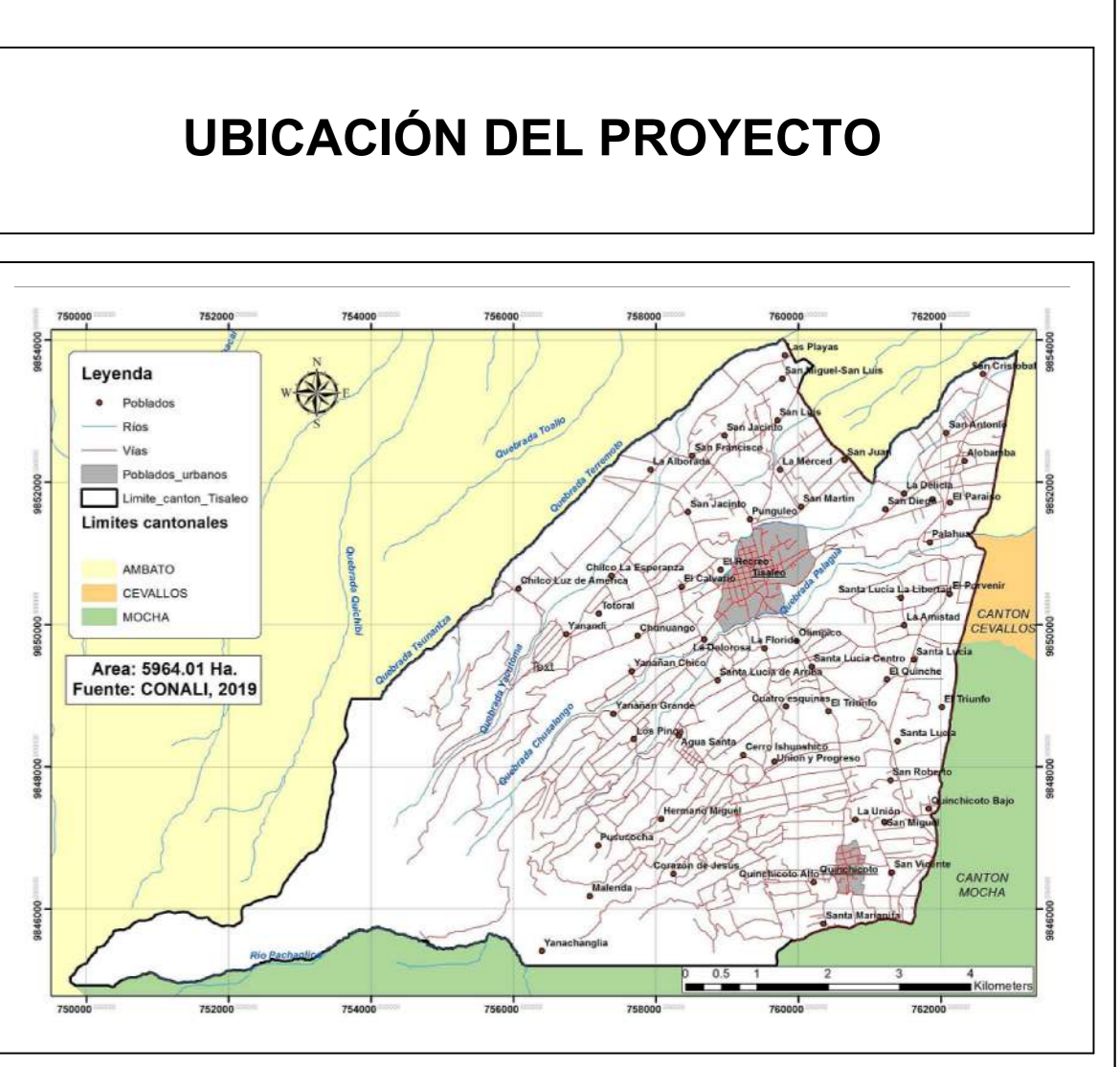
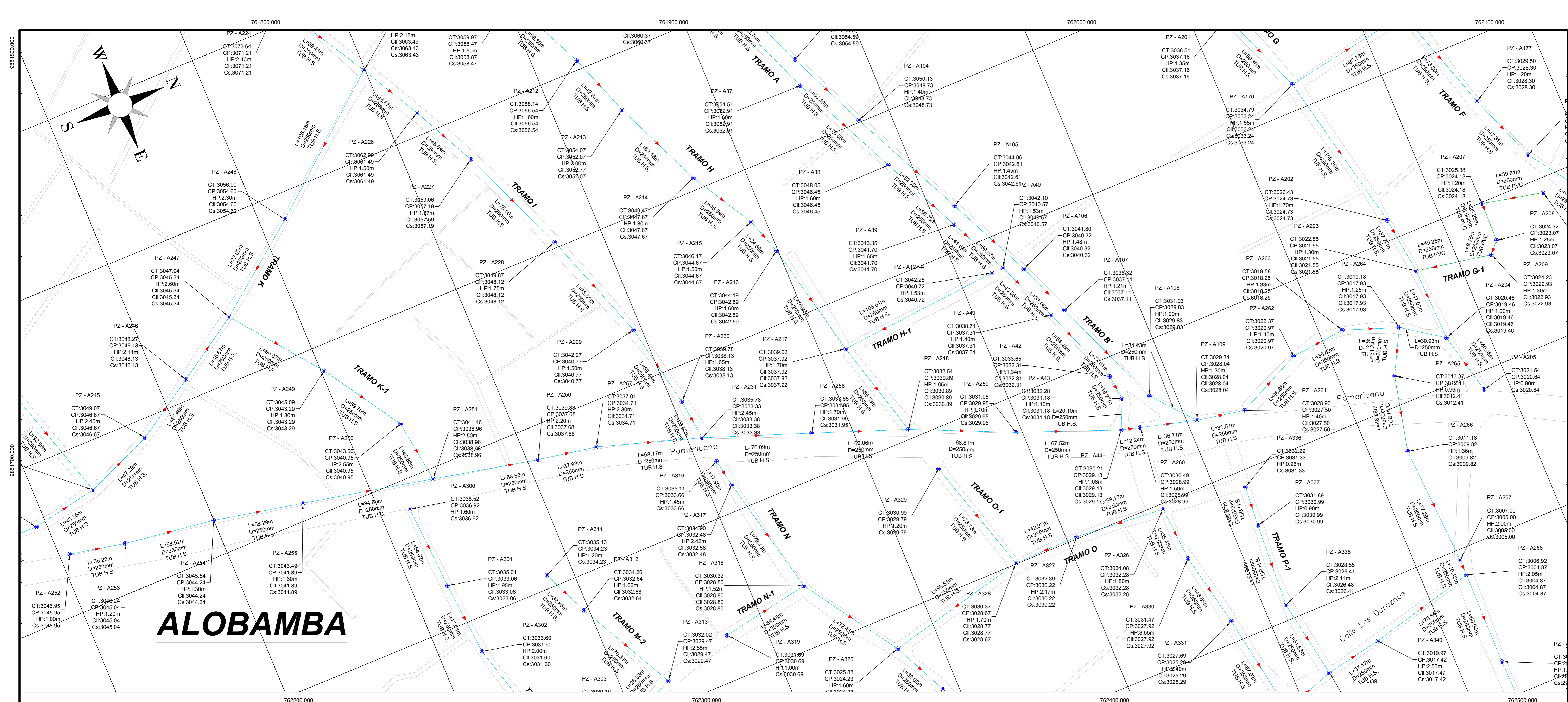
POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO I					
PZ - A19	761418.92	9851732.25	3090.18	-	3088.45
PZ - A20	761510.36	9851788.13	3088.41	3085.86	3082.89
PZ - A21	761570.36	9851788.08	3085.59	3082.89	3082.89
PZ - A22	761652.08	9851846.48	3083.39	3080.89	3080.89
PZ - A23	761728.09	9851901.79	3079.81	3077.26	3077.26
PZ - A24	761787.80	9851964.01	3073.84	3071.21	3071.21
PZ - A25	761847.69	9851969.18	3065.58	3063.49	3063.43
PZ - A26	761886.02	9852020.10	3062.99	3061.49	3061.49
PZ - A27	761928.78	9852063.03	3059.06	3057.59	3057.19
PZ - A28	761996.37	9852069.92	3049.87	3048.12	3048.12
PZ - A29	762067.61	9852095.06	3042.27	3040.77	3040.77
PZ - A30	762121.92	9852100.00	3039.78	3038.13	3038.13
PZ - A31	762148.29	9852109.27	3035.78	3033.38	3033.33
TRAMO J					
PZ - A32	761341.88	9851483.23	3112.38	-	3110.84
PZ - A33	761334.08	9851520.02	3110.20	3108.38	3108.38
PZ - A34	761451.35	9851555.46	3102.51	3100.93	3100.93
PZ - A35	761573.65	9851594.58	3091.75	3090.11	3090.05
PZ - A36	761637.46	9851615.86	3083.27	3081.88	3081.88
PZ - A37	761711.53	9851636.48	3073.79	3072.19	3072.07
PZ - A38	761787.01	9851659.43	3065.44	3063.40	3063.34
PZ - A39	761826.86	9851672.84	3063.17	3061.58	3061.58
PZ - A40	761866.36	9851683.67	3060.86	3058.68	3058.68
PZ - A41	761894.35	9851708.67	3054.01	3051.43	3051.43
PZ - A42	762028.78	9851738.09	3050.27	3048.02	3048.02
TRAMO K					
PZ - A43	762036.74	9851647.44	3051.88	-	3050.66
PZ - A44	762037.91	9851659.47	3050.64	3049.14	3049.14
PZ - A45	762029.76	9851736.05	3050.27	3048.02	3048.02
PZ - A46	762011.70	9851779.75	3049.07	3046.67	3046.67
PZ - A47	761987.26	9851818.07	3048.27	3046.13	3046.13
PZ - A48	761960.80	9851858.92	3047.94	3045.34	3045.34
TRAMO K-1					
PZ - A49	762015.94	9851902.00	3045.09	3043.29	3043.29
PZ - A50	762066.20	9851934.21	3043.50	3040.95	3040.95
PZ - A51	762106.65	9851939.88	3041.46	3038.96	3038.96
TRAMO PANAMERICANA					
PZ - A52	762062.09	9851708.48	3046.95	-	3045.95
PZ - A53	762069.45	9851741.95	3046.24	3045.04	3045.04
PZ - A54	762077.45	9851789.92	3045.54	3044.24	3044.24
PZ - A55	762089.19	9851857.01	3043.49	3041.89	3041.89
PZ - A56	762136.65	9851939.88	3041.46	3038.96	3038.96
PZ - A57	762171.07	9852008.93	3039.88	3037.68	3037.68
PZ - A58	762127.75	9852044.27	3037.01	3034.71	3034.71
PZ - A59	762148.29	9852109.27	3035.79	3033.38	3033.33
PZ - A60	762172.36	9852176.28	3033.65	3031.95	3031.95
PZ - A61	762193.87	9852233.31	3032.54	3030.89	3030.89
PZ - A62	762216.96	9852296.13	3031.05	3029.95	3029.95
PZ - A63	762246.36	9852359.09	3029.21	3029.13	3029.13
PZ - A64	762249.56	9852370.90	3030.49	3028.99	3028.99
PZ - A65	762259.16	9852408.34	3029.34	3028.04	3028.04
PZ - A66	762265.00	9852436.85	3028.90	3027.50	3027.50
PZ - A67	762244.92	9852478.16	3027.37	3026.97	3026.97
PZ - A68	762241.55	9852514.44	3019.58	3018.25	3018.25
PZ - A69	762253.84	9852548.72	3019.18	3017.93	3017.93
PZ - A70	762271.45	9852574.14	3020.46	-	3019.46
PZ - A71	762253.84	9852548.72	3019.18	3017.93	3017.93

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TIJUAN Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE:
 RED DE ALCANTARILLADO SANITARIO SAN DIEGO - ALOBAMBA, TRAMO J, TRAMO K.

PROVINCIA: TUNGURAHUA | CANTÓN: TISALEO | SECTOR: ALOBAMBA
 FECHA: NOVIEMBRE 2022 | ESCALA: 1:1000
 ELABORADO POR: Egda Tamez Bonita Testa | REVISADO POR: Ing. Gato Nuñez Tutor | APROBADO POR: Ing. Gato Nuñez Tutor
 LÁMINA: LÁMINA 19 | TOTAL LÁMINAS: 27



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

TUBERÍA PVC D = 250mm

TUBERÍA H.S. D = 250mm

POZO DE REVISIÓN

PERFIL DEL TERRENO

CALLES / VIAS

LIMITES TERRITORIALES

L LONGITUD DEL TRAMO
D / Ø DIÁMETRO DE TUBERÍA
S GRADIENTE HIDRÁULICA
CT COTA TERRENO
CP COTA PROYECTO
CII COTA DE LLEGADA
Cs COTA DE SALIDA
HP ALTURA DE POZO

RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
ALOBAMBA					
TRAMO I					
PZ - A19	761418.92	9851732.25	3090.18	-	3088.45
PZ - A20	761514.42	9851738.43	3088.41	3085.86	3085.86
PZ - A21	761570.36	9851788.08	3088.41	3082.89	3082.89
PZ - A22	761652.08	9851846.48	3083.39	3080.89	3080.89
PZ - A23	761728.09	9851901.79	3079.81	3077.26	3077.26
PZ - A24	761787.80	9851964.01	3073.84	3071.21	3071.21
PZ - A25	761847.69	9851999.18	3065.58	3063.49	3063.49
PZ - A26	761898.02	9852020.10	3062.99	3061.49	3061.49
PZ - A27	761928.78	9852049.03	3059.06	3057.59	3057.59
PZ - A28	761996.92	9852069.92	3049.87	3048.12	3048.12
PZ - A29	762067.61	9852095.06	3042.27	3040.77	3040.77
PZ - A30	762121.92	9852108.00	3039.78	3038.13	3038.13
PZ - A31	762148.29	9852109.27	3035.78	3033.38	3033.38
TRAMO J					
PZ - A32	761241.98	9851483.29	3112.38	-	3110.84
PZ - A33	761334.08	9851520.02	3110.20	3108.38	3108.38
PZ - A34	761451.35	9851555.46	3102.51	3100.93	3100.93
PZ - A35	761573.65	9851594.98	3091.75	3090.11	3090.05
PZ - A36	761637.46	9851615.86	3083.27	3081.88	3081.88
PZ - A37	761711.53	9851636.48	3073.79	3072.19	3072.07
PZ - A38	761787.01	9851659.43	3065.44	3063.40	3063.34
PZ - A39	761826.86	9851672.04	3063.17	3061.58	3061.58
PZ - A40	761866.36	9851683.67	3060.86	3058.68	3058.68
PZ - A41	761941.35	9851708.67	3054.01	3051.43	3051.43
PZ - A42	762028.78	9851738.08	3050.27	3048.02	3048.02
TRAMO K					
PZ - A43	762036.74	9851647.44	3051.88	-	3050.68
PZ - A44	762037.91	9851653.47	3050.64	3049.14	3049.14
PZ - A45	762029.76	9851736.05	3050.27	3048.02	3048.02
PZ - A46	762011.70	9851779.75	3049.07	3046.67	3046.67
PZ - A47	761987.26	9851818.07	3048.27	3046.13	3046.13
PZ - A48	761960.80	9851858.36	3047.94	3045.34	3045.34
TRAMO L					
PZ - A49	761960.80	9851858.36	3047.94	3045.34	3045.34
PZ - A50	762015.94	9851902.00	3045.09	3043.29	3043.29
PZ - A51	762066.20	9851934.21	3043.50	3040.95	3040.95
PZ - A52	762106.65	9851939.88	3041.46	3038.96	3038.96
TRAMO PANAMERICANA					
PZ - A53	762069.45	9851741.95	3046.24	3045.04	3045.04
PZ - A54	762077.45	9851789.92	3045.54	3044.24	3044.24
PZ - A55	762089.19	9851857.01	3043.49	3041.89	3041.89
PZ - A56	762106.65	9851939.88	3041.46	3038.96	3038.96
PZ - A57	762121.92	9852049.03	3039.89	3037.68	3037.68
PZ - A58	762127.75	9852044.27	3037.01	3034.71	3034.71
PZ - A59	762148.29	9852109.27	3035.78	3033.38	3033.38
PZ - A60	762172.36	9852175.09	3033.65	3031.95	3031.95
PZ - A61	762195.87	9852233.31	3032.54	3030.89	3030.89
PZ - A62	762219.16	9852296.13	3031.05	3029.95	3029.95
PZ - A63	762246.36	9852359.09	3029.21	3029.13	3029.13
PZ - A64	762249.56	9852370.90	3029.40	3028.99	3028.99
PZ - A65	762259.16	9852408.34	3029.34	3028.04	3028.04
PZ - A66	762265.00	9852436.85	3029.90	3027.50	3027.50
PZ - A67	762244.92	9852478.18	3029.37	3026.97	3026.97
PZ - A68	762241.55	9852514.44	3019.58	3018.25	3018.25
PZ - A69	762253.84	9852548.72	3019.18	3017.93	3017.93
PZ - A70	762271.45	9852574.14	3020.46	-	3019.46
PZ - A71	762253.84	9852548.72	3019.18	3017.93	3017.93

PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200

DETALLES POZOS

POZO	COTA TERRENO	COTA PROYECTO	CORTE	ABSCISA
PZ - A247	3045.94	3045.94	1.00	0+000
PZ - A249	3047.19	3047.19	1.11	0+020
PZ - A250	3048.34	3048.34	1.21	0+040
PZ - A251	3049.59	3049.59	1.24	0+060
	3050.84	3050.84	1.27	0+080
	3052.09	3052.09	1.33	0+100
	3053.34	3053.34	1.43	0+120
	3054.59	3054.59	1.53	0+140
	3055.84	3055.84	1.66	0+160
	3057.09	3057.09	1.85	0+180
	3058.34	3058.34	2.04	0+200
	3059.59	3059.59	2.26	0+220
	3060.84	3060.84	2.54	0+240
	3062.09	3062.09	2.45	0+260
	3063.34	3063.34	2.25	0+280
	3064.59	3064.59	2.29	0+300
	3065.84	3065.84	2.29	0+320
	3067.09	3067.09	2.28	0+340
	3068.34	3068.34	2.53	0+360
	3069.59	3069.59	2.27	0+380
	3070.84	3070.84	2.01	0+400
	3072.09	3072.09	1.73	0+420
	3073.34	3073.34	1.68	0+440
	3074.59	3074.59	1.65	0+460
	3075.84	3075.84	1.63	0+480
	3077.09	3077.09	1.61	0+500
	3078.34	3078.34	1.48	0+520
	3079.59	3079.59	1.26	0+540
	3080.84	3080.84	1.09	0+560
	3082.09	3082.09	1.07	0+580
	3083.34	3083.34	-	0+600
	3084.59	3084.59	-	0+620
	3085.84	3085.84	-	0+640

G.A.D. MUNICIPAL DEL CANTON TISALEO

CATÁSTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARriba, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA*

CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN DIEGO - ALOBAMBA, TRAMO K-1, TRAMO PANAMERICANA

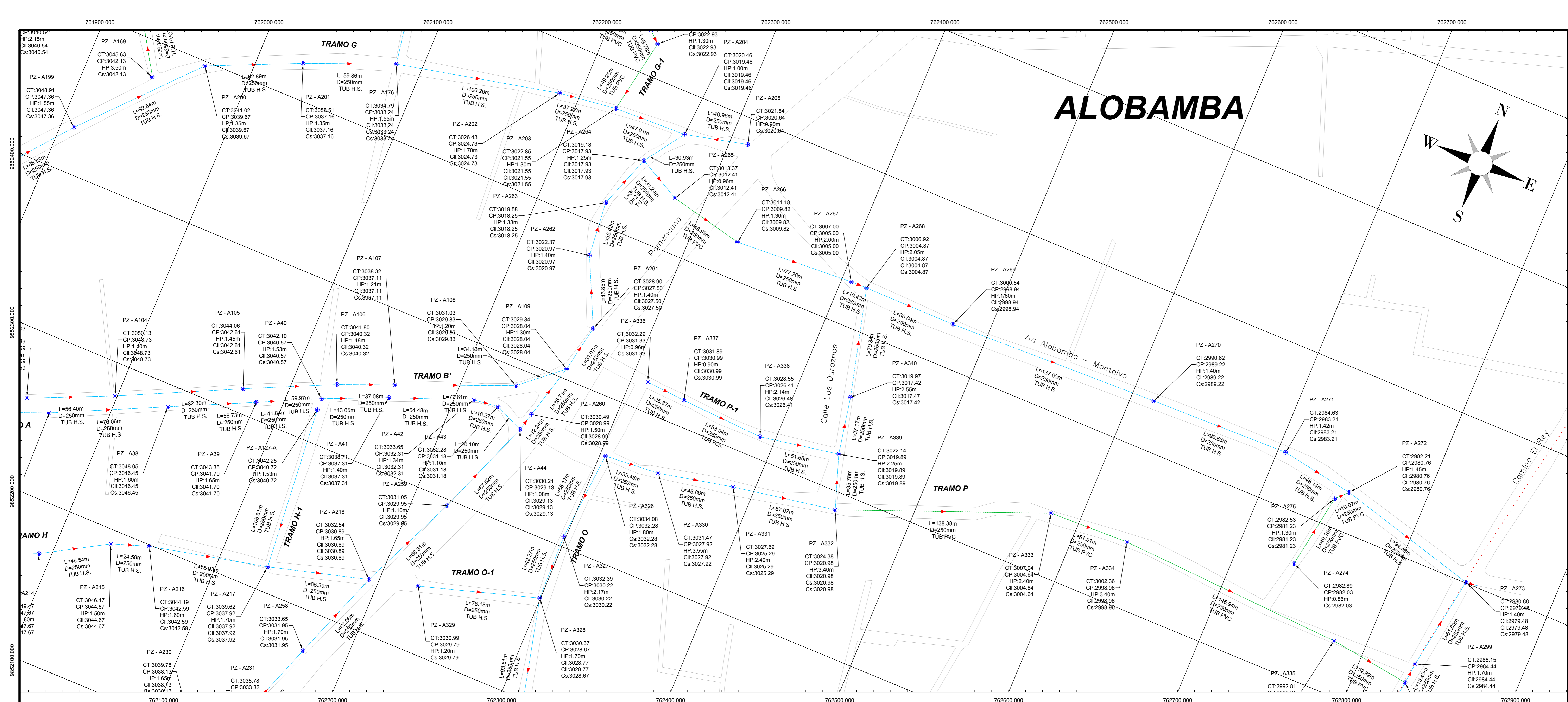
PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: ALOBAMBA

FECHA: NOVIEMBRE 2022 ESCALA: 1:1000

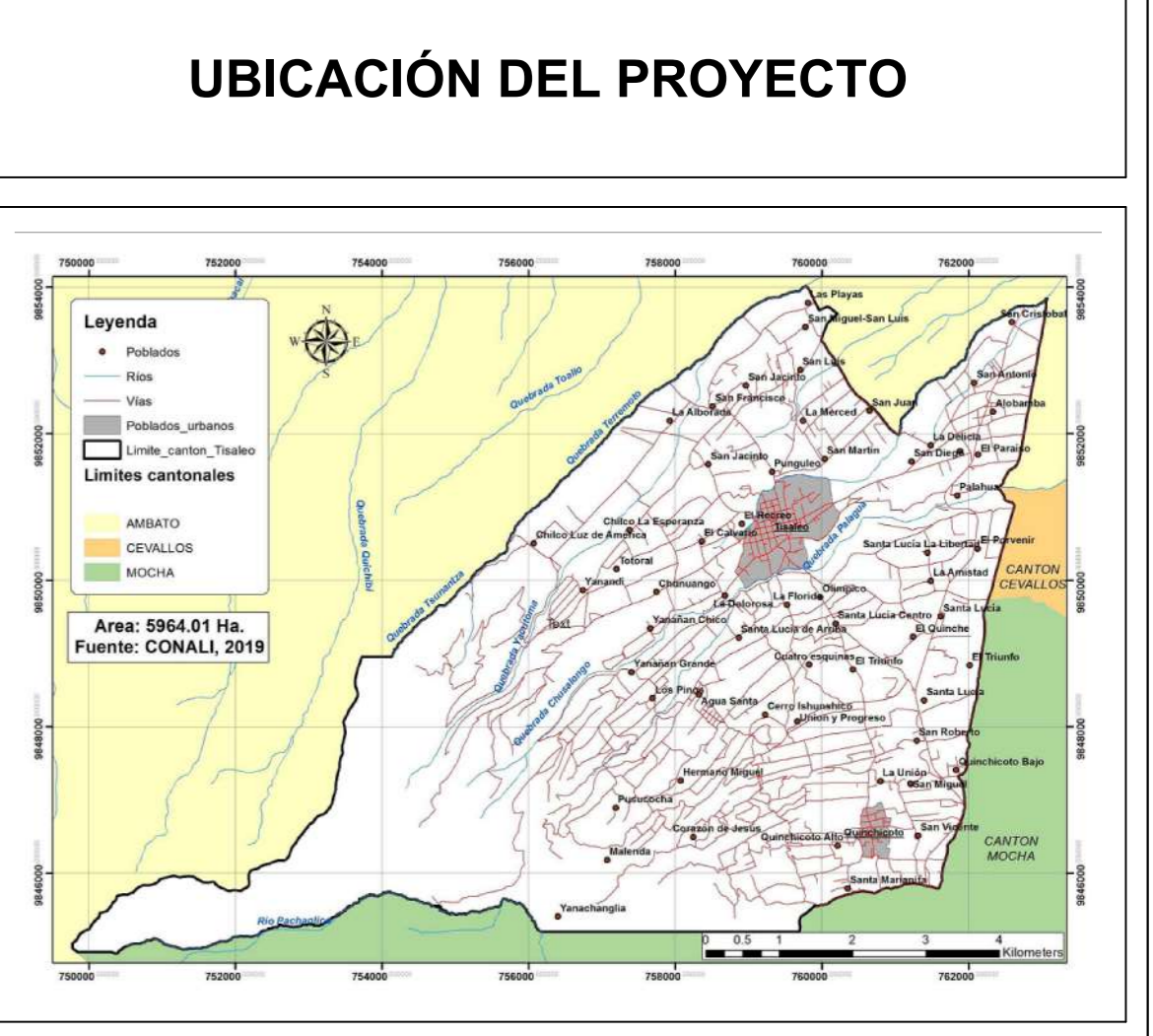
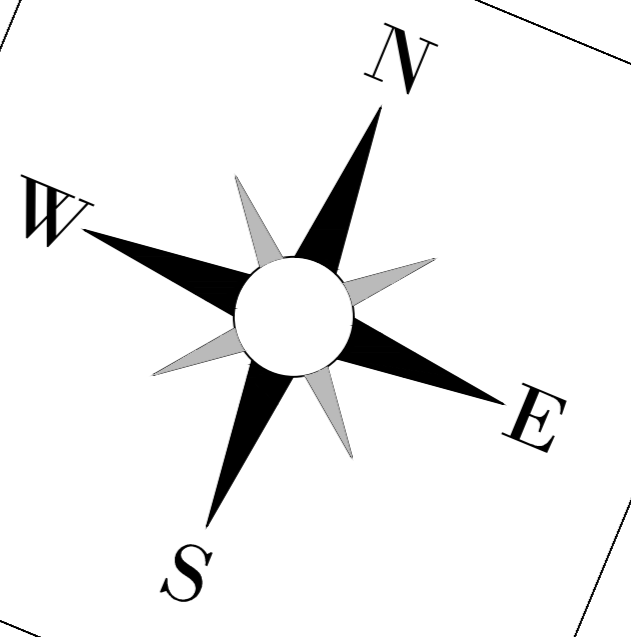
ELABORADO POR: REVISADO POR: APROBADO POR:

Ing. Tania Bonita Testa Ing. Gato Nuñez Tutor Ing. Gato Nuñez Tutor

TOTAL LÁMINAS: 20 LÁMINA 20



ALOBAMBA



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E
 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

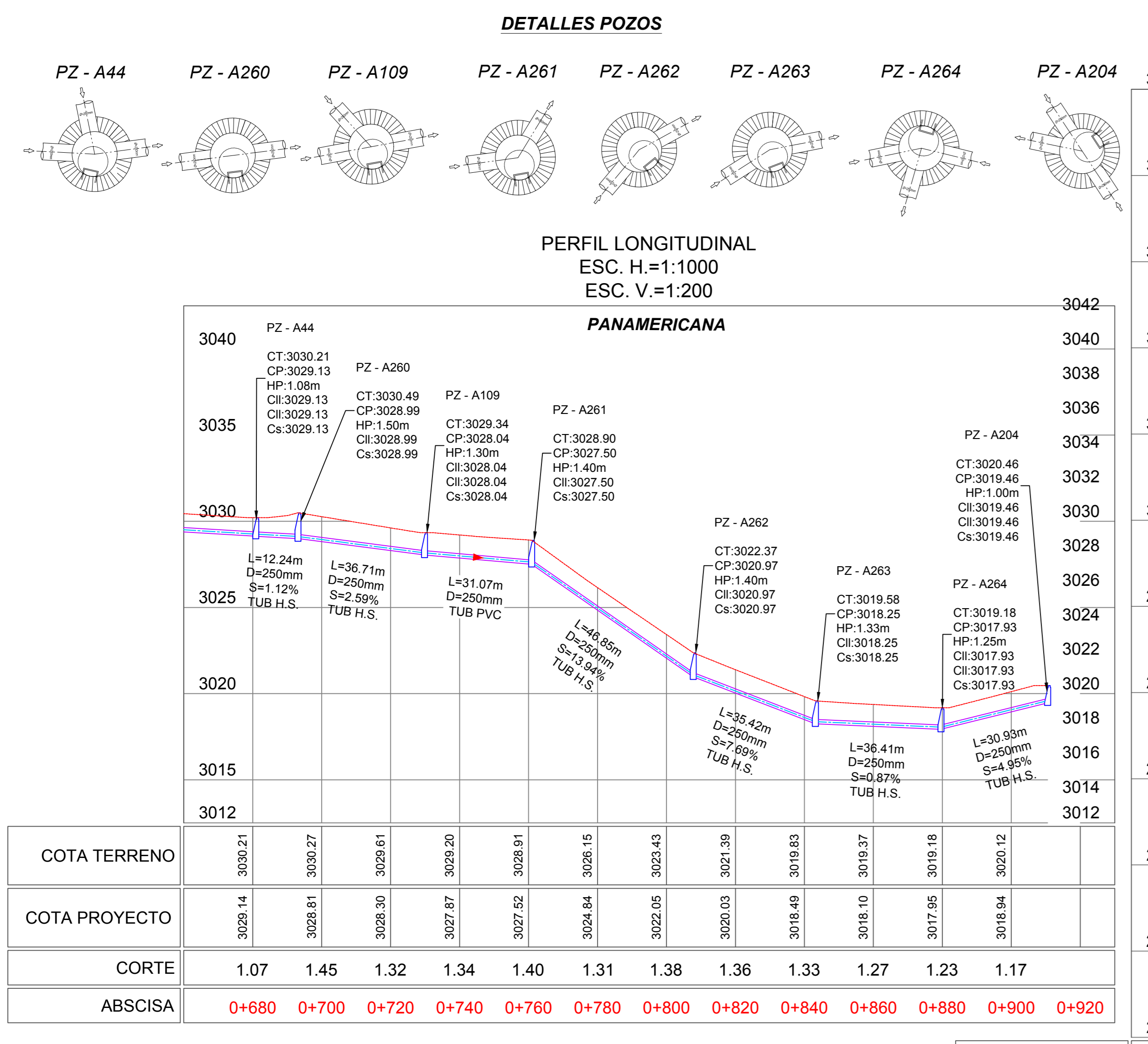
SIMBOLOGÍA

- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VÍAS
- LIMITES TERRITORIALES

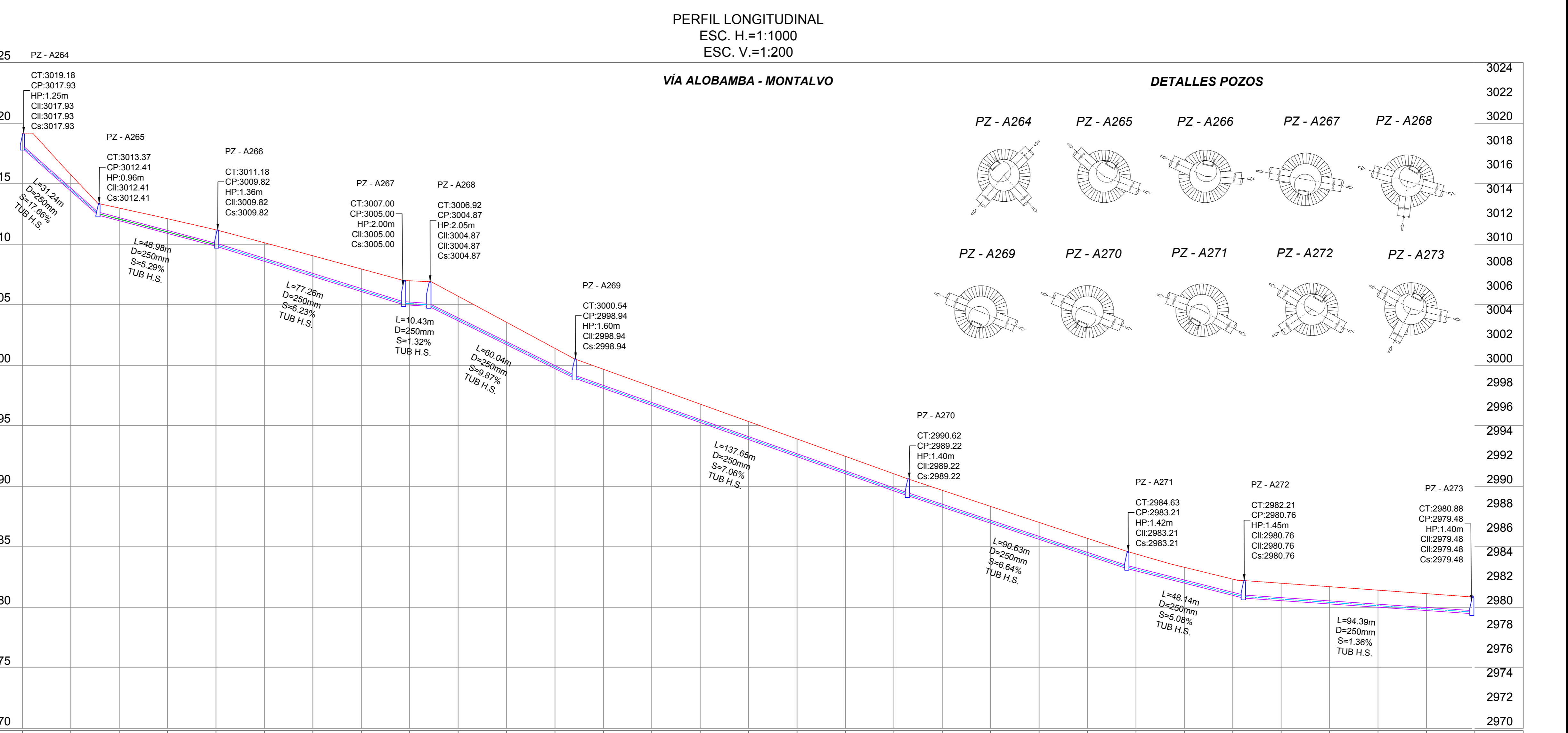
- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENO
- CP COTA PROYECTO
- CIL COTA DE LLEGADA
- Cs COTA DE SALIDA
- CS ALTURA DE POZO

RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ - A252	762062.09	9851706.48	3046.95	3045.04	3045.95
PZ - A253	762069.45	9851741.95	3046.24	3045.04	3045.04
PZ - A254	762077.45	9851788.02	3045.54	3044.24	3044.24
PZ - A255	762089.19	9851857.01	3043.49	3041.89	3041.89
PZ - A251	762106.65	9851939.88	3041.46	3038.96	3038.96
PZ - A256	762121.07	9852000.93	3039.88	3037.68	3037.68
PZ - A257	762127.75	9852044.27	3037.01	3034.71	3034.71
PZ - A21	762148.29	9852109.27	3035.78	3033.38	3033.38
PZ - A258	762172.38	9852151.09	3033.65	3031.95	3031.95
PZ - A218	762193.87	9852233.31	3032.54	3030.89	3030.89
PZ - A219	762259.16	9852406.34	3029.34	3028.04	3028.04
PZ - A261	762265.00	9852436.85	3028.90	3027.50	3027.50
PZ - A262	762244.92	9852479.16	3027.37	3026.07	3026.07
PZ - A263	762241.55	9852514.44	3019.58	3018.25	3018.25
PZ - A264	762253.84	9852548.72	3019.18	3017.93	3017.93
PZ - A204	762271.45	9852574.14	3020.46	3019.46	3019.46
PZ - A264	762253.84	9852548.72	3019.18	3017.93	3017.93
PZ - A265	762281.44	9852534.09	3013.37	3012.41	3012.41
PZ - A266	762329.22	9852533.34	3011.18	3009.82	3009.82
PZ - A267	762406.35	9852527.74	3007.00	3005.00	3005.00
PZ - A268	762416.79	9852527.85	3006.92	3004.87	3004.87
PZ - A269	762476.83	9852527.48	3006.54	2998.94	2998.94
PZ - A270	762614.42	9852531.87	2996.03	2989.23	2989.23
PZ - A271	762705.03	9852533.23	2984.63	2983.21	2983.21
PZ - A272	762752.48	9852525.09	2982.21	2980.76	2980.76
PZ - A273	762843.00	9852500.45	2980.88	2979.48	2979.48
PZ - A274	762737.31	9852469.38	2980.03	2981.23	2981.23
PZ - A275	762745.47	9852517.85	2982.53	2981.23	2981.23
PZ - A272	762752.48	9852525.09	2982.21	2980.76	2980.76
PZ - A276	762923.17	9851548.81	3037.02	3035.82	3035.82
PZ - A277	762983.07	9851553.14	3031.30	3034.60	3034.60
PZ - A278	762184.79	9851568.03	3034.59	3033.31	3033.31
PZ - A279	762249.42	9851588.44	3032.93	3030.33	3030.33
PZ - A282	762295.90	9851563.58	3032.13	3029.88	3029.88
PZ - A283	762337.48	9851602.50	3028.16	3025.86	3025.86
PZ - A284	762406.81	9851610.67	3026.36	3023.86	3023.86
PZ - A285	762493.30	9851610.88	3024.33	3021.93	3021.93
PZ - A286	762569.60	9851620.46	3018.97	3016.87	3016.87
PZ - A287	762656.24	9851639.37	3016.01	3014.11	3014.11
PZ - A288	762687.20	9851647.81	3011.94	3010.09	3010.09
PZ - A280	762214.17	9851692.54	3034.38	3033.45	3033.45
PZ - A281	762228.65	9851645.71	3033.67	3032.77	3032.77
PZ - A279	762249.42	9851548.44	3033.93	3030.33	3030.33
PZ - A289	762687.20	9851647.81	3011.94	3010.09	3010.09
PZ - A290	762707.10	9851711.76	3013.23	3008.73	3008.73
PZ - A291	762722.22	9851831.08	3002.59	2999.84	2999.84
PZ - A291	762741.47	9851927.86	2998.94	2996.09	2996.09
PZ - A292	762752.77	9851996.80	2998.86	2995.44	2995.44
PZ - A293	762765.59	9852053.20	2996.21	2994.61	2994.61
PZ - A294	762772.00	9852090.06	2997.68	2994.00	2994.00
PZ - A295	762789.26	9852167.90	2995.62	2993.52	2993.52
PZ - A296	762804.33	9852268.63	2995.13	2992.08	2992.08
PZ - A297	762821.59	9852344.51	2994.41	2991.65	2991.65
PZ - A298	762832.24	9852426.25	2987.66	2985.93	2985.93
PZ - A299	762833.59	9852436.64	2986.15	2984.45	2984.45
PZ - A273	762843.00	9852500.45	2980.88	2979.48	2979.48



COTA TERRENO	3040	3035	3030	3025	3020	3015	3012
CORTE	1.07	1.45	1.32	1.34	1.40	1.31	1.38
ABSCISA	0+680	0+700	0+720	0+740	0+760	0+780	0+800



COTA TERRENO	3025	3020	3015	3010	3005	3000	2995	2990	2985	2980	2975	2970
CORTE	1.25	1.35	1.04	1.21	1.36	1.54	1.71	1.86	2.01	2.04	1.86	1.67
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220

G.A.D. MUNICIPAL DEL CANTÓN TISALEO
 "CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA-LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

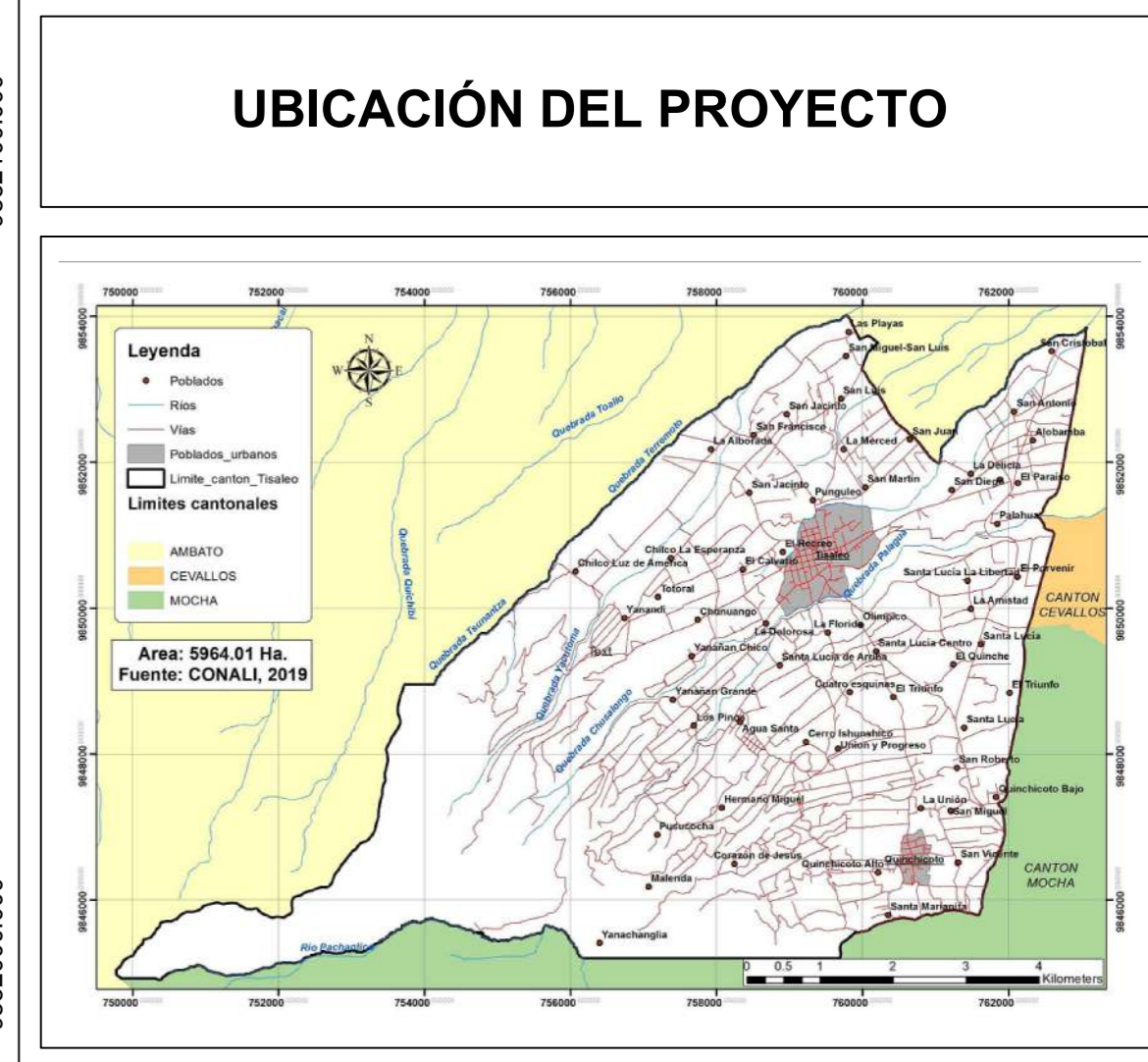
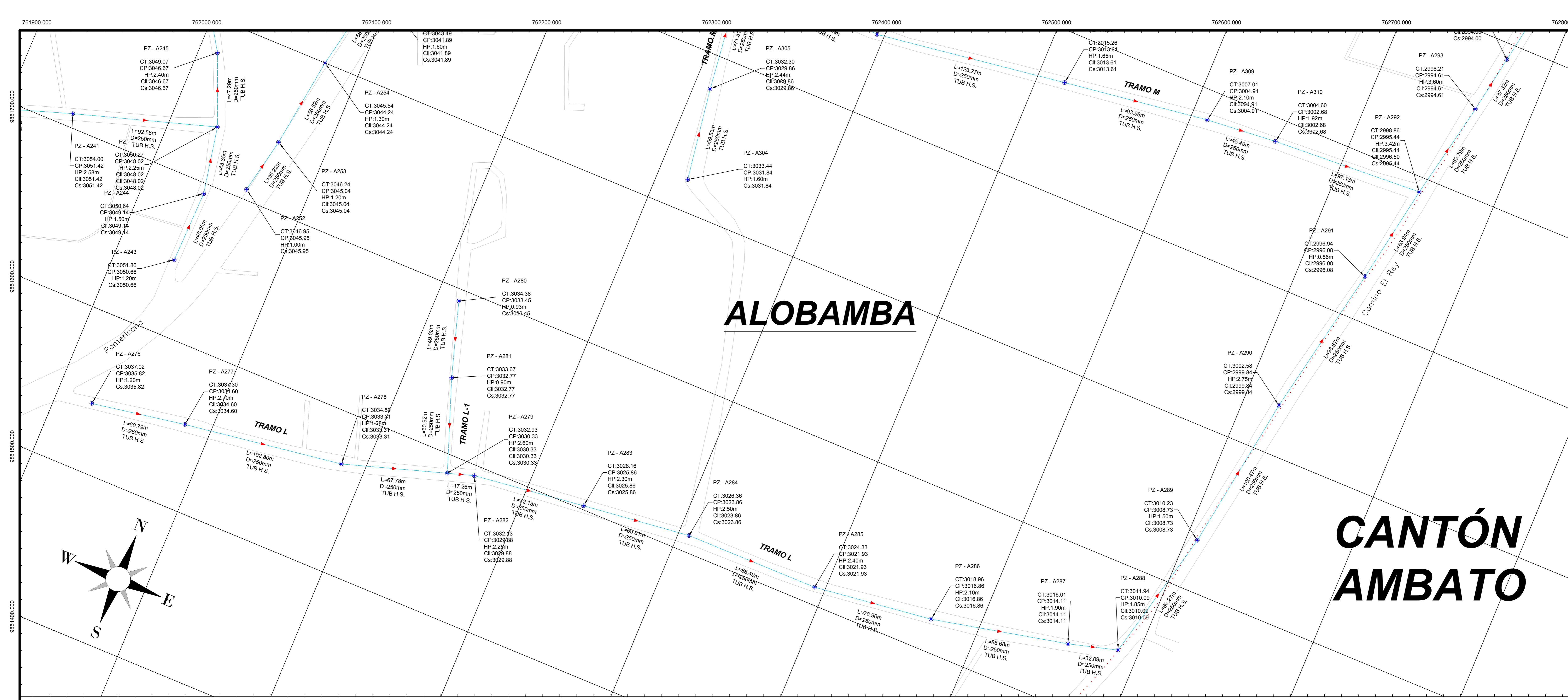
CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN DIEGO - ALOBAMBA - TRAMO PANAMERICANA, VÍA ALOBAMBA - MONTALVO.

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: ALOBAMBA

FECHA: NOVIEMBRE 2022 ESCALA: 1:1000

ELABORADO POR: Ing. Gato Núñez Tutor REVISADO POR: Ing. Gato Núñez Tutor APROBADO POR: Ing. Gato Núñez Tutor

TOTAL LÁMINAS: 27 LÁMINA 21



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

TUBERÍA PVC D = 250mm

TUBERÍA H.S. D = 250mm

POZO DE REVISIÓN

PERFIL DEL TERRENO

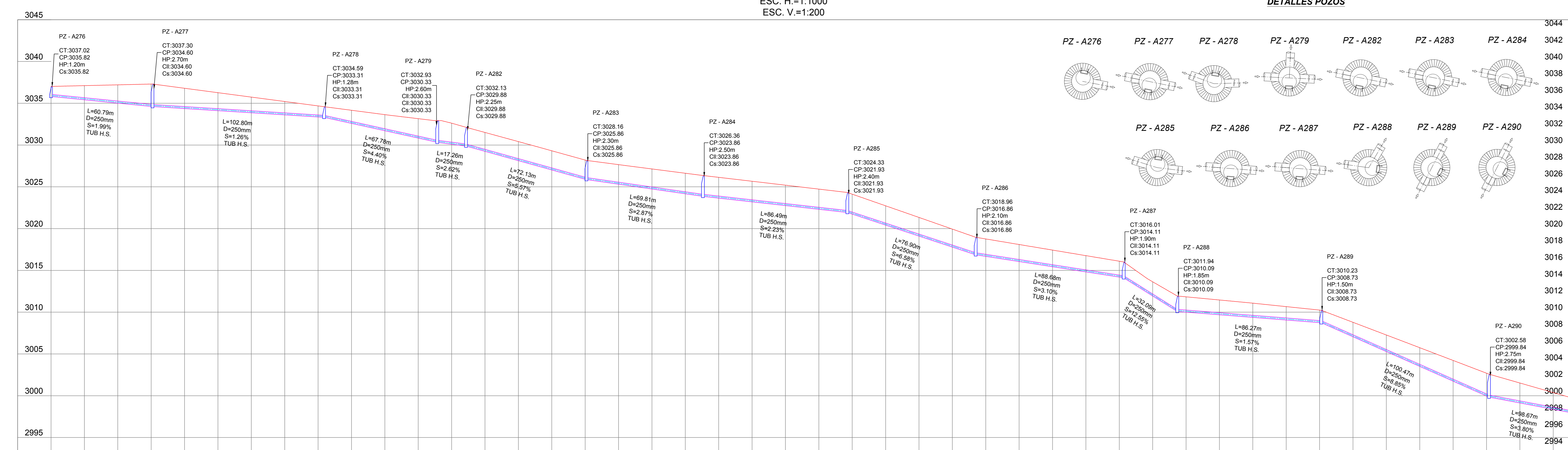
CALLES / VIAS

LIMITES TERRITORIALES

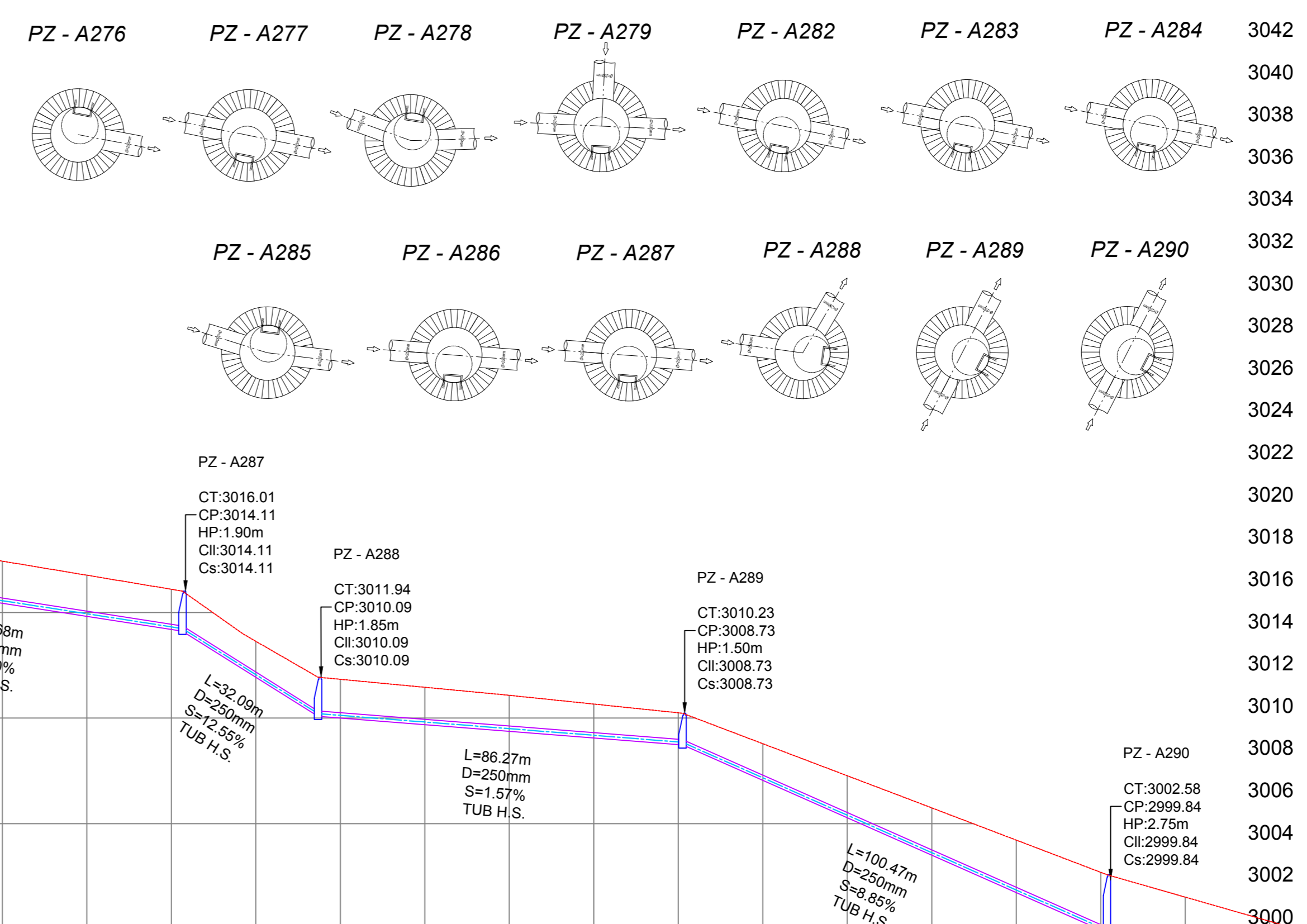
RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ - A252	762062.09	9851706.48	3046.95	3045.04	3045.04
PZ - A253	762069.45	9851741.95	3046.24	3044.24	3044.24
PZ - A254	762077.45	9851789.95	3045.54	3044.24	3044.24
PZ - A255	762089.19	9851857.01	3043.49	3041.89	3041.89
PZ - A251	762106.65	9851908.88	3041.46	3038.96	3038.96
PZ - A256	762121.07	9852008.93	3039.88	3037.68	3037.68
PZ - A257	762127.75	9852044.27	3037.01	3034.71	3034.71
PZ - A231	762148.29	9852109.27	3035.78	3033.38	3033.38
PZ - A258	762172.38	9852159.99	3033.65	3031.95	3031.95
PZ - A218	762193.87	9852233.31	3032.54	3030.89	3030.89
PZ - A259	762221.96	9852296.13	3031.05	3029.95	3029.95
PZ - A44	762246.36	9852358.08	3030.21	3029.13	3029.13
PZ - A260	762249.96	9852370.90	3030.40	3029.99	3029.99
PZ - A109	762259.16	9852406.34	3029.34	3028.04	3028.04
PZ - A261	762265.00	9852436.85	3028.90	3027.50	3027.50
PZ - A262	762244.92	9852479.16	3027.37	3026.97	3026.97
PZ - A263	762241.55	9852514.44	3019.58	3018.25	3018.25
PZ - A264	762253.84	9852548.72	3019.18	3017.93	3017.93
PZ - A204	762271.45	9852574.14	3020.46	3019.46	3019.46
PZ - A264	762253.84	9852548.72	3019.18	3017.93	3017.93

PERFIL LONGITUDINAL
ESC. H.=1:1000
ESC. V.=1:200



DETALLES POZOS



POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ - A265	762281.44	9852534.09	3013.37	3012.41	3012.41
PZ - A266	762329.22	9852593.34	3011.18	3009.82	3009.82
PZ - A267	762406.35	9852527.74	3007.00	3005.00	3005.00
PZ - A268	762416.79	9852527.85	3006.92	3004.87	3004.87
PZ - A269	762476.83	9852527.48	3006.54	2998.94	2998.94
PZ - A270	762614.42	9852531.36	2999.83	2989.23	2989.23
PZ - A271	762705.03	9852533.23	2984.63	2983.21	2983.21
PZ - A272	762752.48	9852525.09	2982.21	2980.76	2980.76
PZ - A273	762843.60	9852500.45	2980.88	2979.48	2979.48
PZ - A274	762737.31	9852469.38	2980.03	2982.03	2982.03
PZ - A275	762745.47	9852517.85	2982.53	2981.23	2981.23
PZ - A276	762752.48	9852525.09	2982.21	2980.76	2980.76

CORTE	1.20	1.69	2.19	2.68	2.43	2.16	1.88	1.60	1.33	1.57	1.93	2.33	2.52	2.26	2.28	2.30	2.30	2.35	2.41	2.47	2.49	2.47	2.45	2.42	2.39	2.31	2.24	2.16	2.06	2.02	1.98	1.94	1.90	1.70	1.83	1.77	1.70	1.60	1.50	1.74	1.99	2.24	2.49	2.73	2.39	2.01
ABSICSA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580	0+600	0+620	0+640	0+660	0+680	0+700	0+720	0+740	0+760	0+780	0+800	0+820	0+840	0+860	0+880	0+900

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

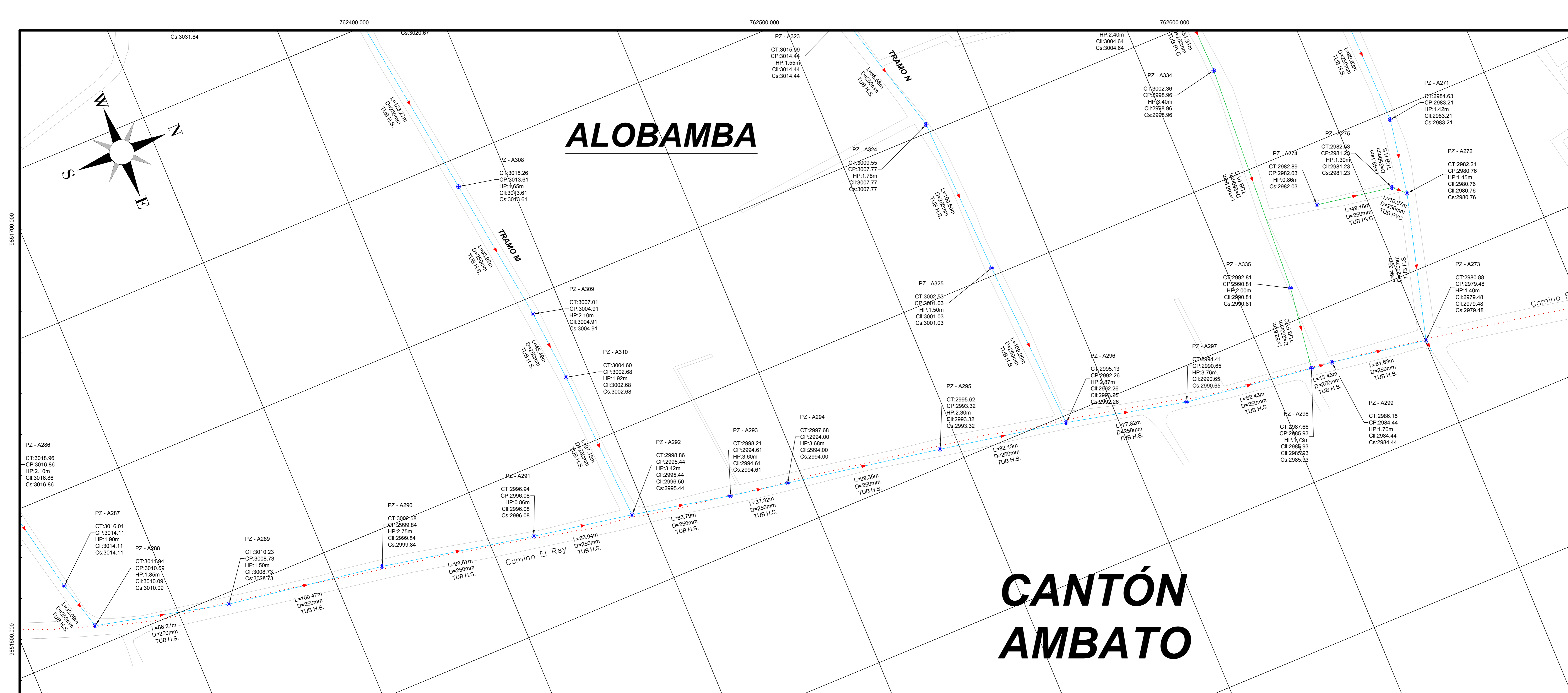
CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN DIEGO - ALOBAMBA, TRAMO I, CAMINO EL REY.

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: ALOBAMBA

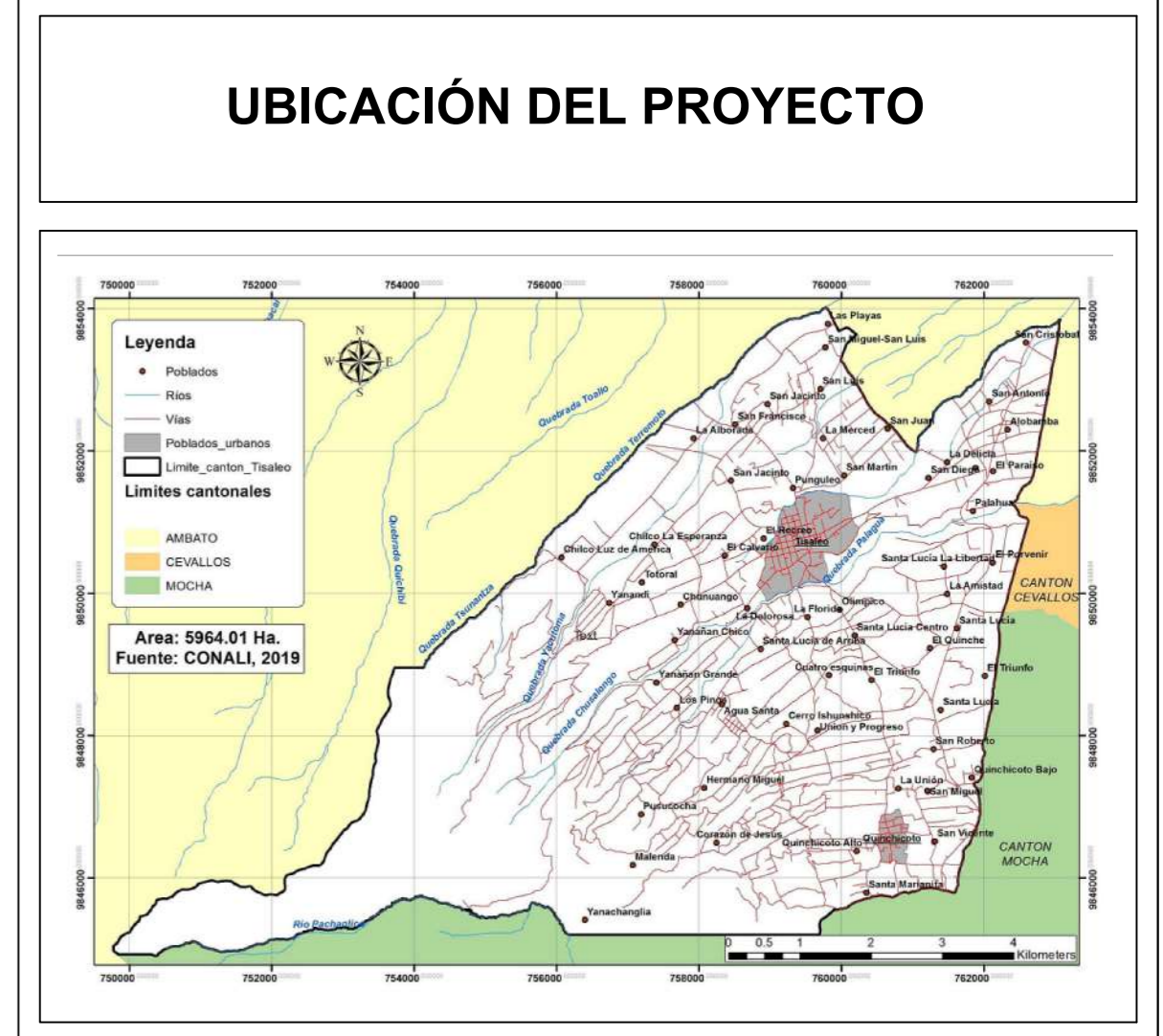
FECHA: 11 DE NOVIEMBRE DE 2022 ESCALA: 1:1000

ELABORADO POR: Ing. Tania Bonita Testa REVISADO POR: Ing. Gato Núñez Tutta APROBADO POR: Ing. Gato Núñez Tutta

LÁMINA: LÁMINA 22 TOTAL LÁMINAS: 27



CANTÓN AMBATO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

TUBERÍA PVC D = 250mm

TUBERÍA H.S. D = 250mm

POZO DE REVISIÓN

PERFIL DEL TERRENO

CALLES / VÍAS

LÍMITES TERRITORIALES

L LONGITUD DEL TRAMO
D / Ø DIÁMETRO DE TUBERÍA
S GRADIENTE HIDRÁULICA
CT COTA TERRENO
CP COTA PROYECTO
CIL COTA DE LLEGADA
Cs COTA DE SALIDA
CH ALTURA DE POZO

RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ - A252	762062.09	9851706.48	3046.95	3045.00	3045.00
PZ - A253	762069.45	9851741.95	3046.24	3045.04	3045.04
PZ - A254	762077.45	9851789.92	3045.54	3044.24	3044.24
PZ - A255	762089.19	9851857.01	3043.49	3041.89	3041.89
PZ - A251	762106.65	9851939.88	3041.46	3038.96	3038.96
PZ - A256	762121.07	9852009.93	3039.88	3037.68	3037.68
PZ - A257	762127.75	9852044.27	3037.01	3034.71	3034.71
PZ - A231	762148.29	9852109.27	3035.78	3033.38	3033.33
PZ - A258	762172.38	9852176.09	3033.65	3031.95	3031.95
PZ - A218	762193.87	9852233.31	3032.54	3030.89	3030.89
PZ - A259	762219.96	9852296.13	3031.05	3029.95	3029.95
PZ - A44	762246.36	9852359.08	3030.21	3029.13	3029.13
PZ - A260	762249.96	9852370.90	3030.40	3028.99	3028.99
PZ - A109	762259.16	9852406.34	3029.34	3028.04	3028.04
PZ - A261	762265.00	9852436.85	3028.90	3027.50	3027.50
PZ - A262	762244.92	9852479.16	3027.37	3026.97	3026.97
PZ - A263	762241.55	9852514.44	3019.58	3018.25	3018.25
PZ - A264	762253.84	9852548.72	3019.18	3017.93	3017.93
PZ - A204	762271.45	9852574.14	3020.46	3019.46	3019.46
PZ - A264	762253.84	9852548.72	3019.18	3017.93	3017.93

VIA ALOBAMBA - MONTALVO

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
PZ - A264	762253.84	9852548.72	3019.18	3017.93	3017.93
PZ - A265	762281.44	9852534.09	3013.37	3012.41	3012.41
PZ - A266	762329.22	9852593.34	3011.18	3009.82	3009.82
PZ - A267	762406.35	9852577.74	3007.00	3005.00	3005.00
PZ - A268	762416.79	9852527.85	3006.92	3004.87	3004.87
PZ - A269	762476.83	9852527.48	3006.54	3006.94	2998.94
PZ - A270	762614.42	9852531.36	2996.03	2999.23	2999.23
PZ - A271	762705.03	9852533.23	2984.63	2983.21	2983.21
PZ - A272	762752.48	9852525.09	2982.21	2980.76	2980.76
PZ - A273	762843.60	9852500.45	2980.88	2979.48	2979.48
PZ - A274	762737.31	9852469.36	2985.03	2982.23	2982.23
PZ - A275	762745.47	9852517.85	2985.53	2981.23	2981.23
PZ - A272	762752.48	9852525.09	2982.21	2980.76	2980.76

G.A.D. MUNICIPAL DEL CANTÓN TISALEO

CATÁSTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN JUAN, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA

CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN DIEGO - ALOBAMBA, TRAMO L-1, CAMINO EL REY.

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: ALOBAMBA

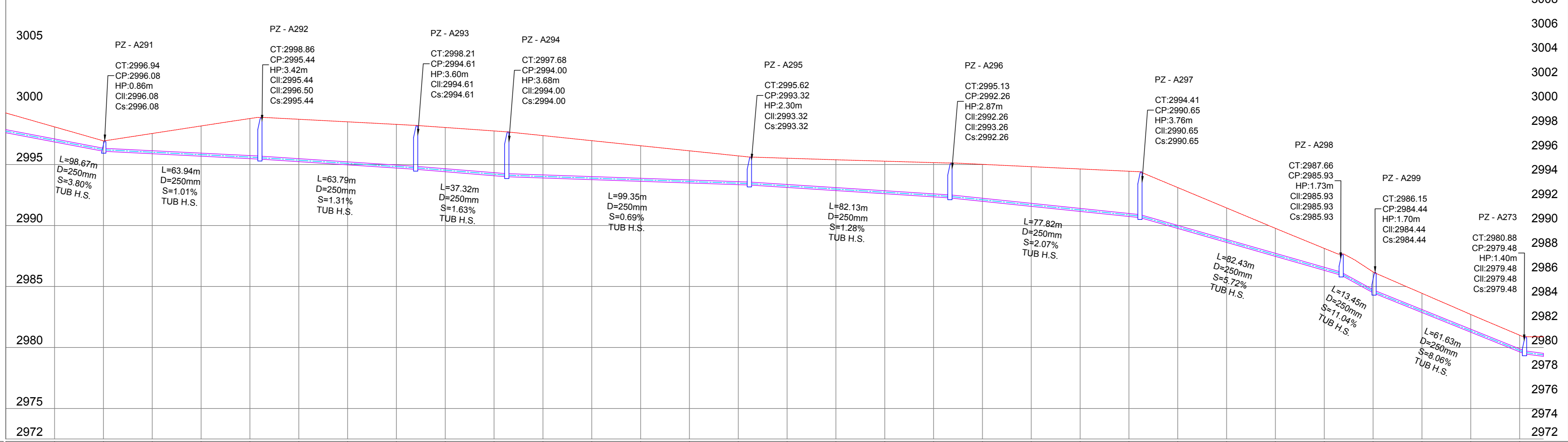
FECHA: NOVIEMBRE 2022 ESCALA: 1:1000

ELABORADO POR: Ing. Gato Núñez Tutor REVISADO POR: Ing. Gato Núñez Tutor APROBADO POR: Ing. Gato Núñez Tutor

LÁMINA: LÁMINA 23 TOTAL LÁMINAS: 27

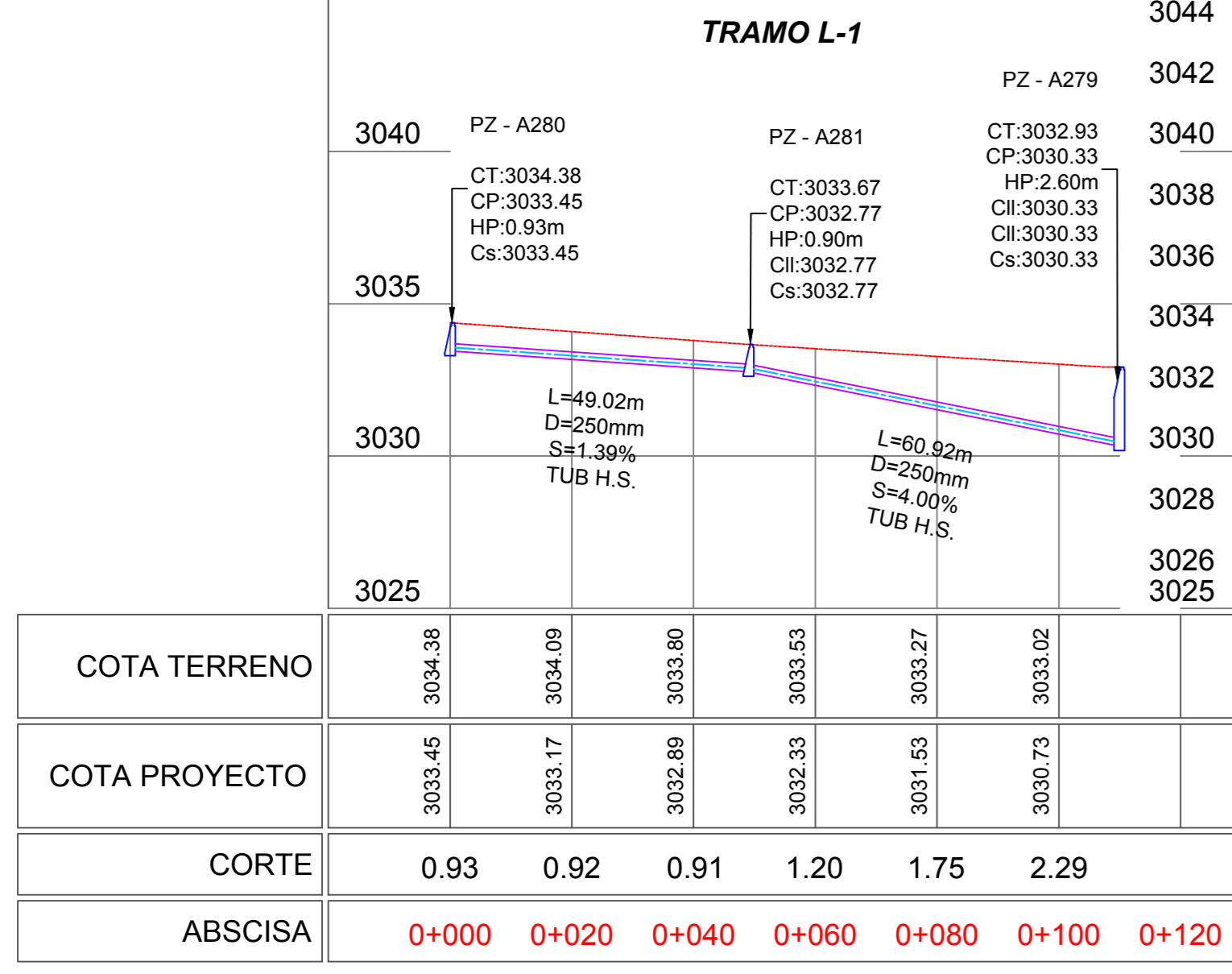
PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200

CAMINO EL REY

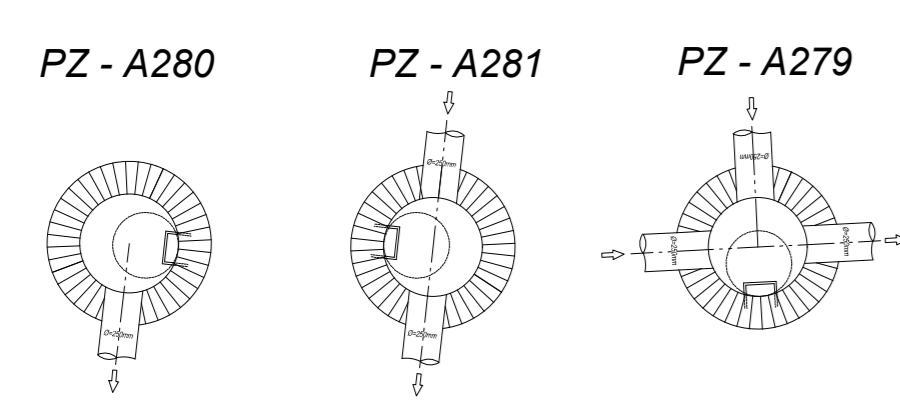


PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200

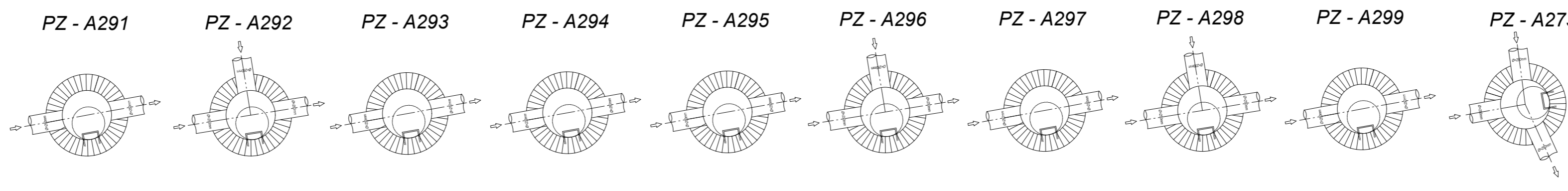
TRAMO L-1

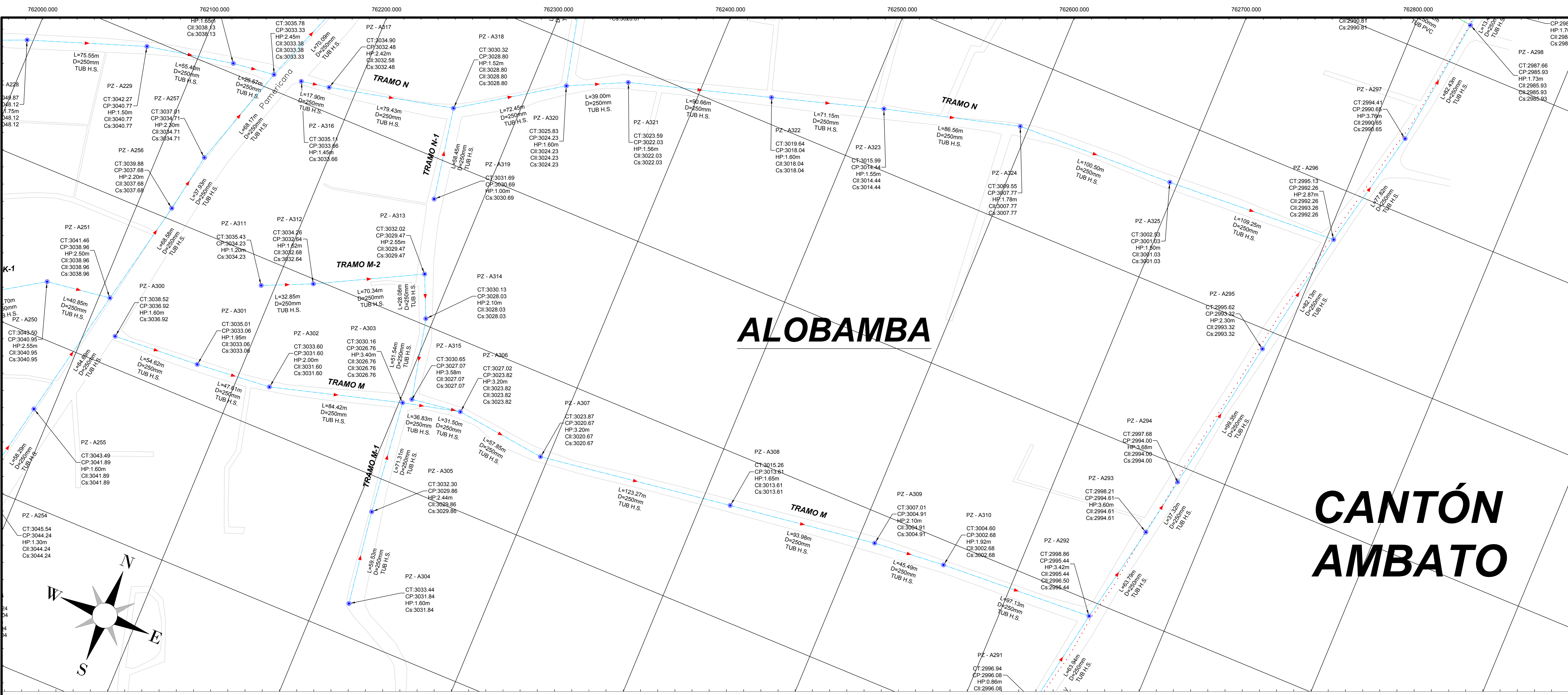


DETALLES POZOS



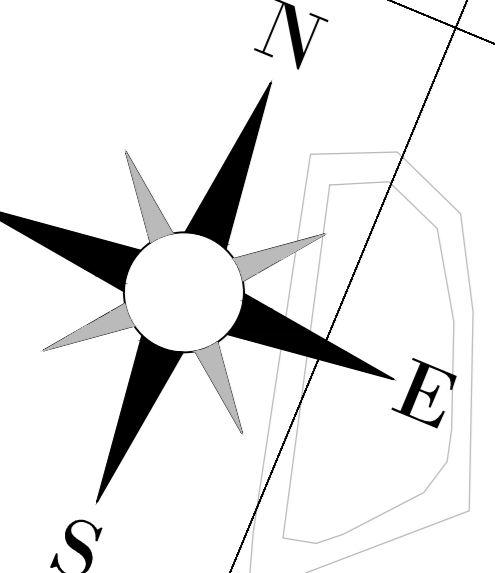
DETALLES POZOS



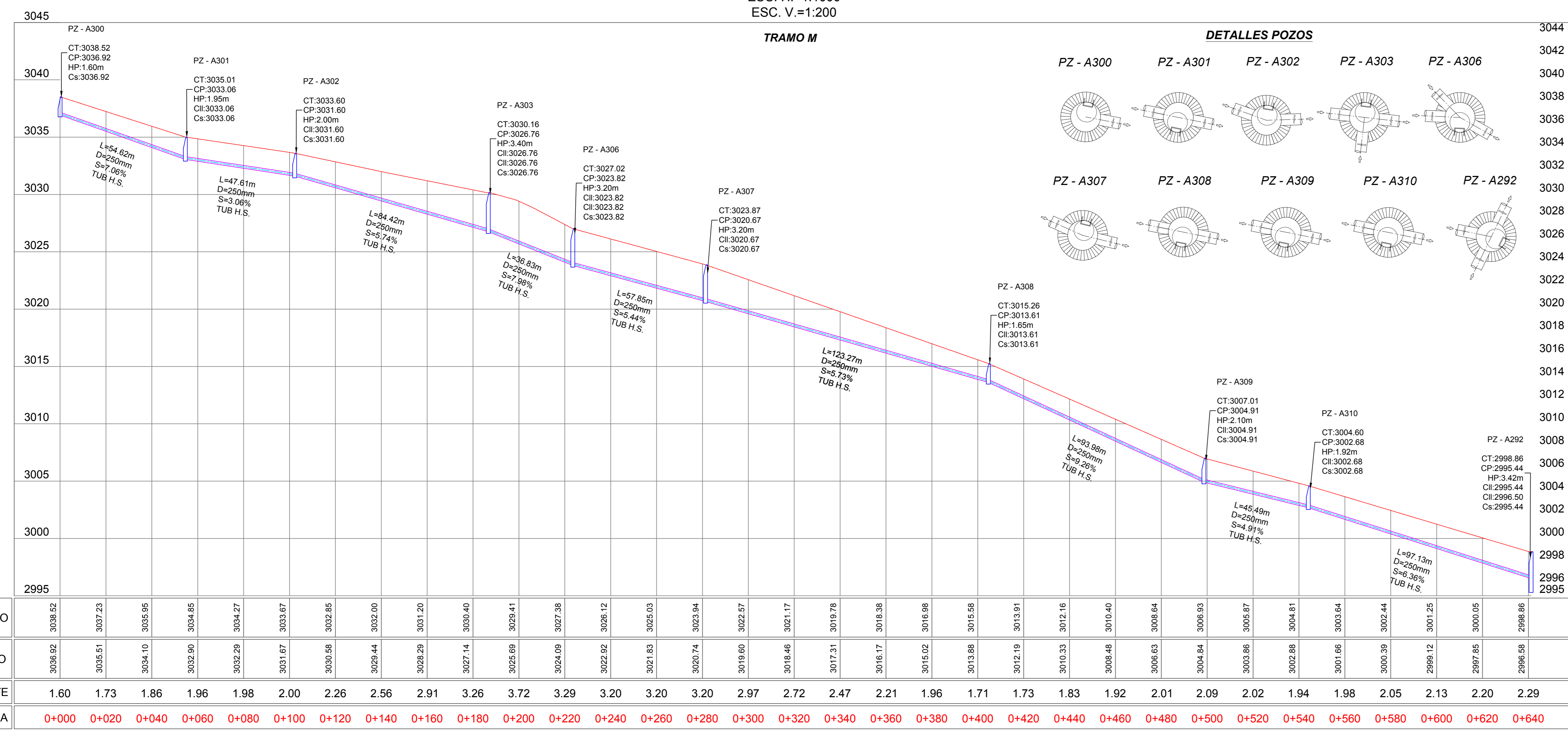


ALOBAMBA

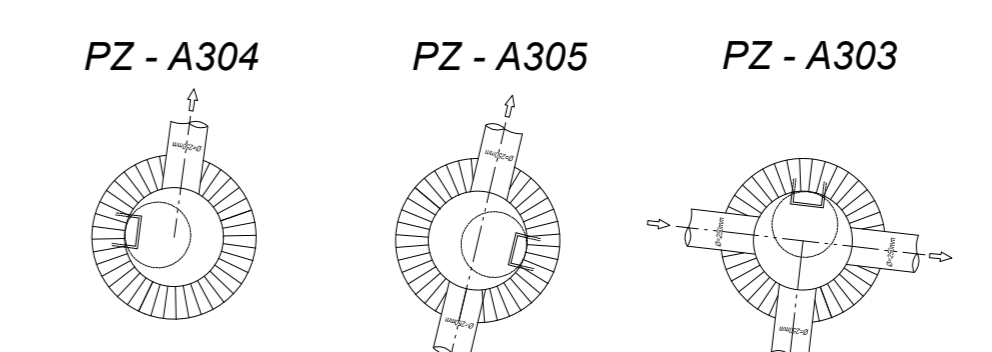
CANTÓN AMBATO



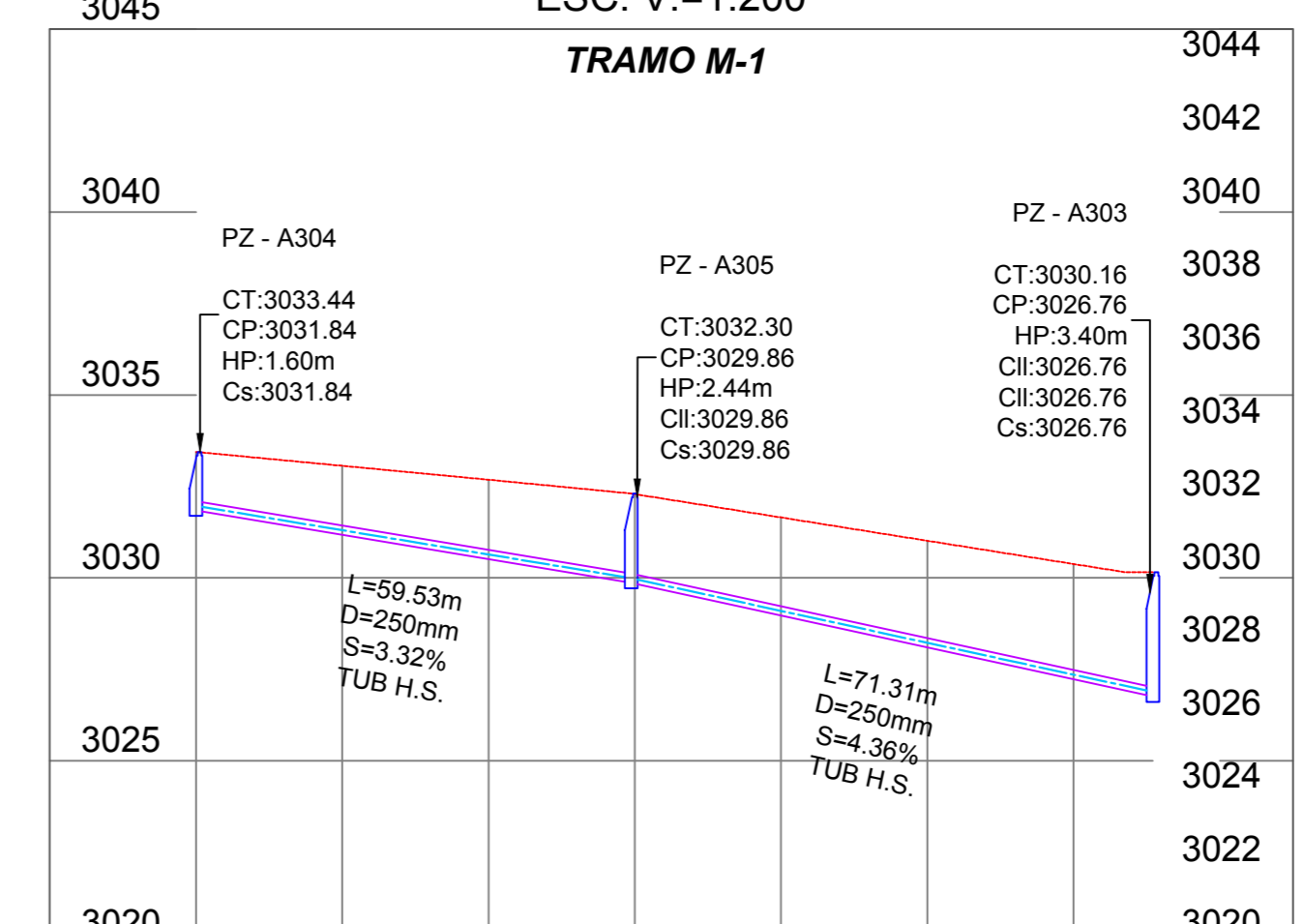
PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200



DETALLES POZOS

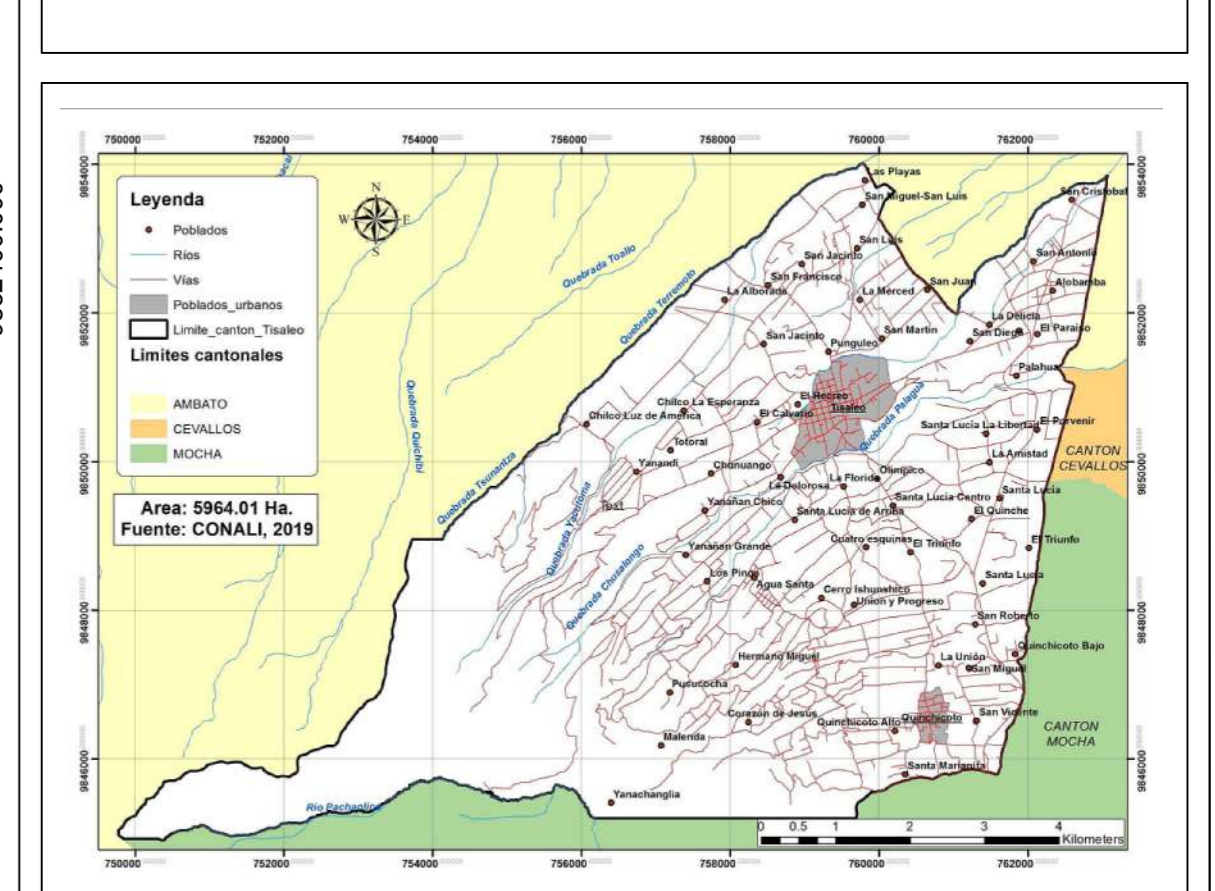


PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200



COTA TERRENO	3034.44	3033.06	3032.68	3032.29	3031.65	3031.01	3030.38
COTA PROYECTO	3031.54	3031.16	3030.51	3029.84	3029.17	3028.10	3027.23
CORTE	1.60	1.73	1.86	1.96	2.00	2.13	2.29
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120

UBICACIÓN DEL PROYECTO



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
 COORDENADAS UTM: 759353.24 m E, 9850780.17 m S
 ALTURA REFERENCIAL: 3249 m

SIMBOLOGÍA

- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VIAS
- LIMITES TERRITORIALES

- L LONGITUD DEL TRAMO
- D / Ø DIÁMETRO DE TUBERÍA
- S GRADIENTE HIDRÁULICA
- CT COTA TERRENO
- CP COTA PROYECTO
- CI COTA DE LLEGADA
- Cs COTA DE SALIDA
- HP ALTURA DE POZO

RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
ALOBAMBA					
TRAMO M					
PZ-A200	762118.61	9851918.86	3036.52	3033.06	3036.92
PZ-A201	762173.42	9851922.86	3036.52	3033.06	3033.06
PZ-A202	762220.84	9851928.57	3033.61	3031.61	3031.61
PZ-A203	762302.10	9851949.43	3030.16	3026.76	3026.76
PZ-A204	762337.89	9851958.12	3027.02	3023.82	3023.82
PZ-A205	762395.33	9851951.32	3023.67	3020.67	3020.67
PZ-A206	762517.38	9851968.68	3015.26	3013.61	3013.61
PZ-A207	762610.47	9851981.53	3007.01	3004.91	3004.91
PZ-A208	762655.79	9851985.47	3004.80	3002.68	3002.68
PZ-A209	762752.77	9851990.80	2998.86	2996.50	2996.50
TRAMO M-1					
PZ-A304	762310.27	9851819.75	3033.44	-	3031.84
PZ-A305	762310.41	9851878.61	3032.30	3029.86	3029.86
PZ-A303	762302.10	9851949.43	3030.16	3026.76	3026.76
TRAMO M-2					
PZ-A311	762191.61	9851983.59	3035.43	-	3034.23
PZ-A312	762221.58	9851997.06	3034.26	3032.68	3032.68
PZ-A313	762283.94	9852029.59	3032.02	3029.47	3029.47
PZ-A314	762295.36	9852003.94	3030.13	3028.03	3028.03
PZ-A315	762306.70	9851953.67	3030.65	3027.07	3027.07
PZ-A306	762337.89	9851958.12	3027.02	3023.82	3023.82
TRAMO N					
PZ-A316	762165.78	9852111.92	3035.11	-	3033.66
PZ-A317	762183.39	9852115.13	3034.90	3032.58	3032.58
PZ-A318	762200.79	9852132.28	3030.32	3028.80	3028.80
PZ-A320	762321.07	9852173.17	3025.83	3024.23	3024.23
PZ-A321	762356.21	9852190.06	3023.59	3022.03	3022.03
PZ-A322	762443.13	9852215.86	3019.64	3018.04	3018.04
PZ-A323	762511.29	9852236.29	3015.99	3014.44	3014.44
PZ-A324	762594.82	9852258.99	3009.55	3007.77	3007.77
PZ-A325	762635.25	9852282.49	3002.53	3001.03	3001.03
PZ-A296	762804.33	9852288.63	2995.13	2993.26	2993.26
TRAMO N-1					
PZ-A319	762271.40	9852075.50	3031.69	-	3030.69
PZ-A318	762290.79	9852132.28	3030.32	3028.80	3028.80
TRAMO O					
PZ-A326	762303.49	9852264.38	3034.08	-	3032.28
PZ-A327	762298.61	9852306.41	3032.39	3030.22	3030.22
PZ-A328	762299.44	9852264.15	3030.37	3028.77	3028.77
PZ-A320	762321.07	9852173.17	3023.83	3024.23	3024.23
TRAMO O-1					
PZ-A329	762224.63	9852241.41	3030.99	-	3029.79
PZ-A328	762299.44	9852264.15	3030.37	3028.77	3028.77
TRAMO P					
PZ-A326	762303.49	9852264.38	3034.08	-	3032.28
PZ-A330	762338.84	9852307.10	3031.47	3027.92	3027.92
PZ-A331	762386.61	9852377.24	3027.69	3025.29	3025.29
PZ-A332	762452.65	9852388.78	3024.38	3020.98	3020.98
PZ-A333	762581.29	9852439.77	3007.04	3004.64	3004.64
PZ-A334	762633.18	9852442.27	3002.36	2998.96	2998.96
PZ-A335	762779.92	9852433.49	2992.81	2990.81	2990.81
PZ-A328	762832.24	9852426.25	2987.66	2985.93	2985.93
TRAMO P-1					
PZ-A336	762310.56	9852418.56	3032.29	-	3031.33
PZ-A337	762336.35	9852416.52	3031.89	3030.99	3030.99
PZ-A338	762390.21	9852413.62	3029.55	3026.48	3026.41
PZ-A339	762441.10	9852422.63	3027.14	3019.89	3019.89
CALLE DURAZNOS					
PZ-A332	762452.65	9852388.78	3024.38	3019.89	3020.98
PZ-A339	762441.10	9852422.63	3027.14	3019.89	3019.89
PZ-A340	762434.12	9852459.16	3019.97	3017.47	3017.42
PZ-A328	762416.79	9852527.85	3006.92	3004.87	3004.87

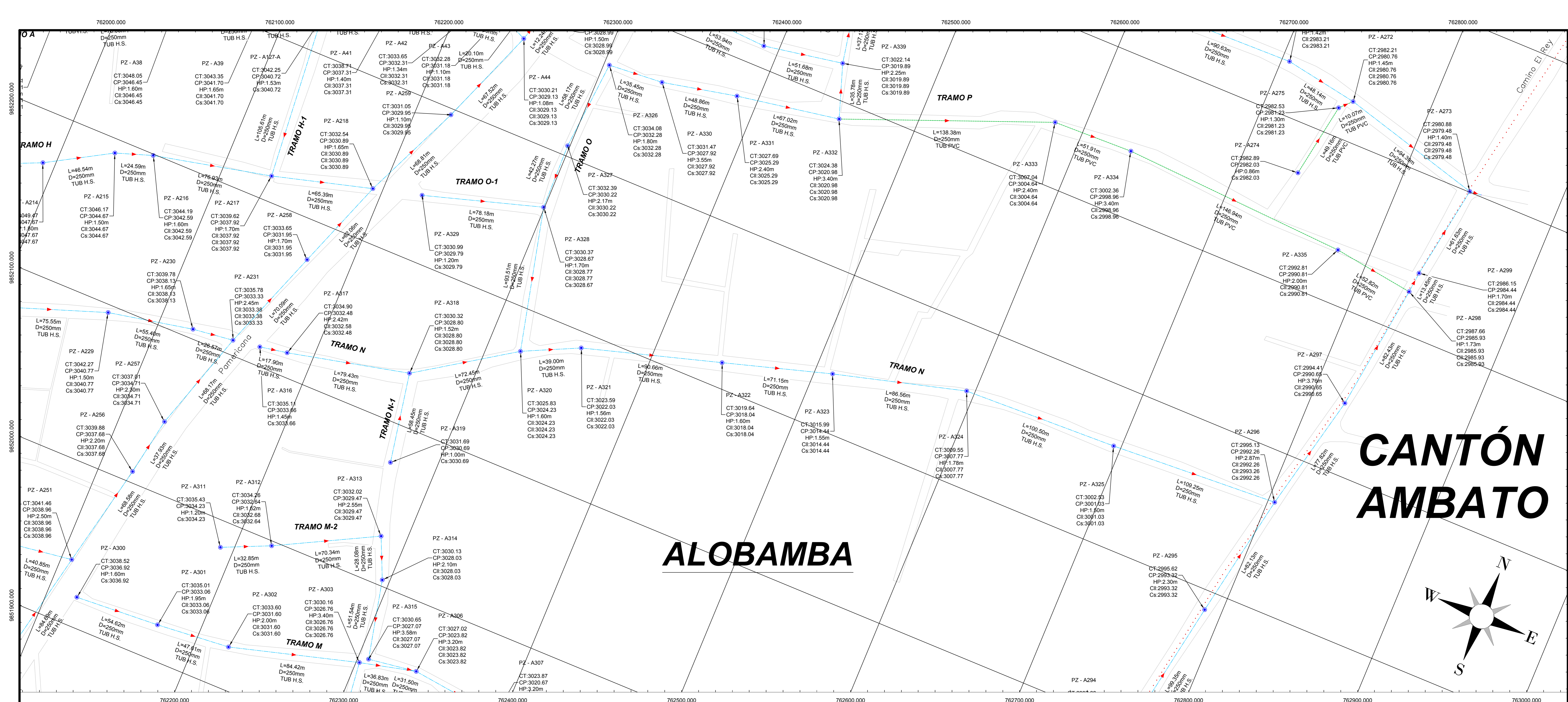
G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATÁSTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA-LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHU"

CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN DIEGO - ALOBAMBA, TRAMO M, TRAMO M-1.

UNIVERSIDAD TÉCNICA DE AMBATO
 FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA
 CÁTEDRA DE INGENIERÍA CIVIL

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: ALOBAMBA
 FECHA: NOVIEMBRE 2022 ESCALA: 1:1000
 ELABORADO POR: REVISADO POR: APROBADO POR: LÁMINA: LÁMINA 24
 Eglis Tarma Bonilla Testa Ing. Gato Núñez Tutor Ing. Gato Núñez Tutor TOTAL LÁMINAS: 27



UBICACIÓN DEL PROYECTO

DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
759353.24 m E
9850780.17 m S

ALTURA REFERENCIAL:
3249 m

SIMBOLOGÍA

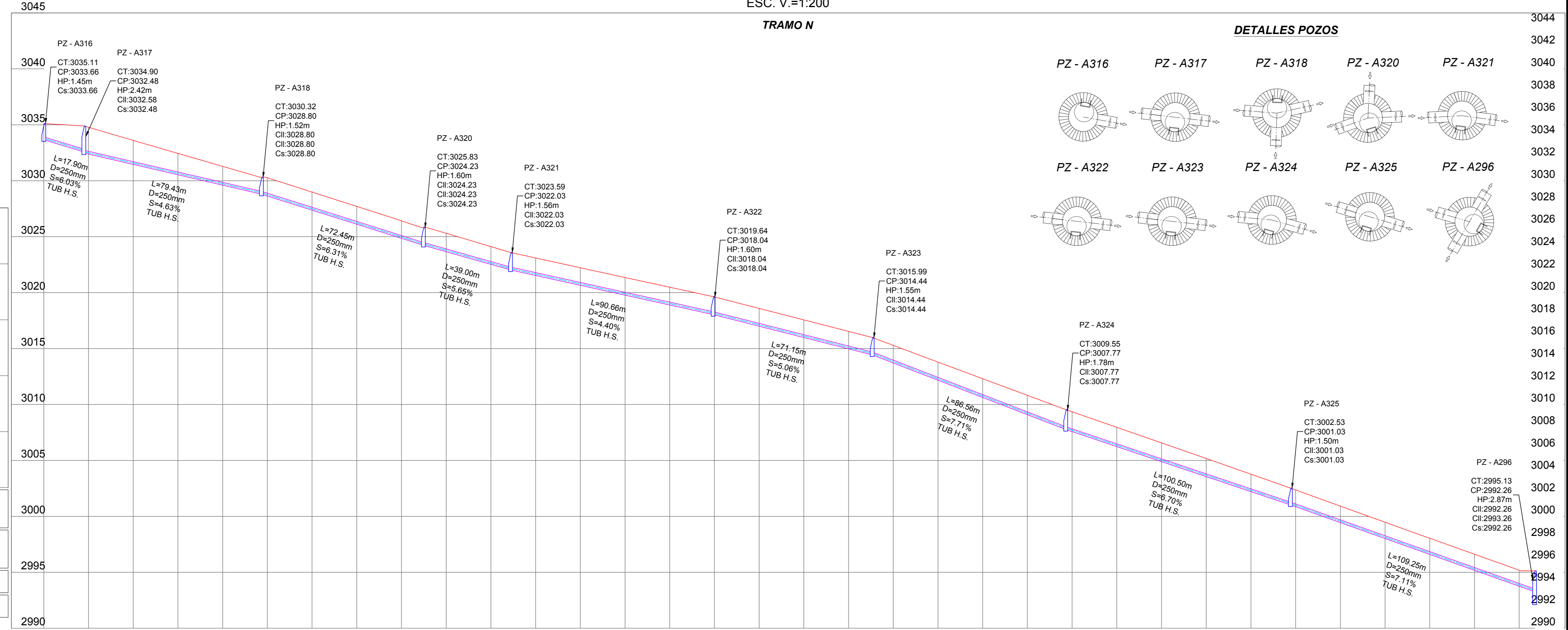
- TUBERÍA PVC D = 250mm
- TUBERÍA H.S. D = 250mm
- POZO DE REVISIÓN
- PERFIL DEL TERRENO
- CALLES / VIAS
- LIMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CI	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

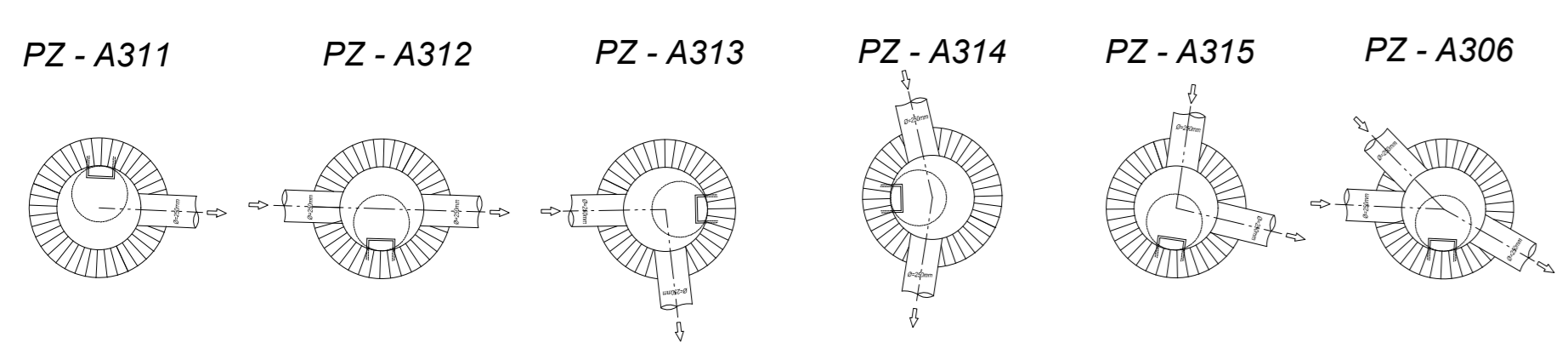
RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO M					
PZ-A300	76218.81	9851918.86	3036.52	-	3036.92
PZ-A301	76213.42	9851922.24	3035.01	3033.06	3033.06
PZ-A302	76220.84	9851928.57	3033.61	3031.61	3031.61
PZ-A303	76230.10	9851940.43	3030.16	3026.76	3026.76
PZ-A304	76237.89	9851958.12	3027.02	3023.82	3023.82
PZ-A307	76239.33	9851951.32	3023.67	3020.67	3020.67
PZ-A308	762517.38	9851968.68	3015.26	3013.61	3013.61
PZ-A309	762810.47	9851981.53	3007.01	3004.81	3004.81
PZ-A310	762855.79	9851985.47	3004.60	3002.68	3002.68
PZ-A322	762752.77	9851990.80	2998.86	2996.50	2996.50
TRAMO M-1					
PZ-A304	762319.27	9851918.73	3033.44	-	3031.84
PZ-A305	762310.41	9851978.61	3032.30	3029.86	3029.86
PZ-A303	762302.10	9851949.43	3030.16	3026.76	3026.76
TRAMO M-2					
PZ-A311	762191.61	9851983.59	3035.43	-	3034.23
PZ-A312	762212.58	9851997.06	3034.26	3032.68	3032.64
PZ-A313	762283.94	9852029.59	3032.02	3029.47	3029.47
PZ-A314	762295.36	9852003.94	3030.13	3028.03	3028.03
PZ-A315	762306.70	9851953.67	3030.65	3027.07	3027.07
PZ-A306	762337.89	9851958.12	3027.02	3023.82	3023.82
TRAMO N					
PZ-A316	762165.78	9852111.92	3035.11	-	3033.66
PZ-A317	762183.39	9852115.13	3034.90	3032.58	3032.64
PZ-A318	762290.79	9852122.26	3032.32	3029.80	3029.80
PZ-A320	762321.07	9852173.17	3025.83	3024.23	3024.23
PZ-A321	762356.21	9852190.06	3023.59	3022.03	3022.03
PZ-A322	762443.13	9852215.86	3019.64	3018.04	3018.04
PZ-A323	762511.29	9852236.29	3015.99	3014.44	3014.44
PZ-A324	762594.82	9852258.99	3009.55	3007.77	3007.77
PZ-A325	762895.25	9852441.27	3002.38	2998.96	2998.96
PZ-A296	762804.33	9852268.63	2995.13	2993.26	2993.26
TRAMO N-1					
PZ-A318	762271.40	9852075.50	3031.69	-	3030.69
PZ-A318	762280.79	9852132.96	3030.32	3028.80	3028.80
TRAMO O					
PZ-A326	762303.49	9852364.38	3034.08	-	3032.28
PZ-A327	762398.61	9852306.41	3032.39	3030.22	3030.22
PZ-A328	762399.44	9852284.15	3030.37	3028.77	3028.67
PZ-A320	762321.07	9852173.17	3025.83	3024.23	3024.23
TRAMO O-1					
PZ-A329	762224.63	9852241.41	3030.99	-	3029.79
PZ-A328	762399.44	9852264.15	3030.37	3028.77	3028.67
TRAMO P					
PZ-A326	762303.49	9852364.38	3034.08	-	3032.28
PZ-A330	762338.84	9852367.10	3031.47	3027.92	3027.92
PZ-A331	762386.61	9852377.24	3027.69	3025.29	3025.29
PZ-A332	762452.65	9852388.78	3024.38	3020.98	3020.98
PZ-A333	762581.29	9852439.77	3007.04	3004.64	3004.64
PZ-A334	762833.18	9852441.27	3002.38	2998.96	2998.96
PZ-A335	762779.92	9852433.49	2992.81	2990.81	2990.81
PZ-A298	762832.24	9852426.25	2987.66	2985.93	2985.93
TRAMO P-1					
PZ-A336	762310.56	9852418.56	3032.29	-	3031.33
PZ-A337	762336.35	9852416.52	3031.89	3030.99	3030.99
PZ-A338	762390.21	9852413.62	3028.55	3026.48	3026.41
PZ-A339	762441.10	9852422.65	3022.14	3019.89	3019.89
CALLE DURAZNOS					
PZ-A332	762452.65	9852388.78	3024.38	-	3020.98
PZ-A339	762441.10	9852422.65	3022.14	3019.89	3019.89
PZ-A340	762434.12	9852459.16	3019.97	3017.47	3017.42
PZ-A298	762416.79	9852527.85	3006.92	3004.87	3004.87

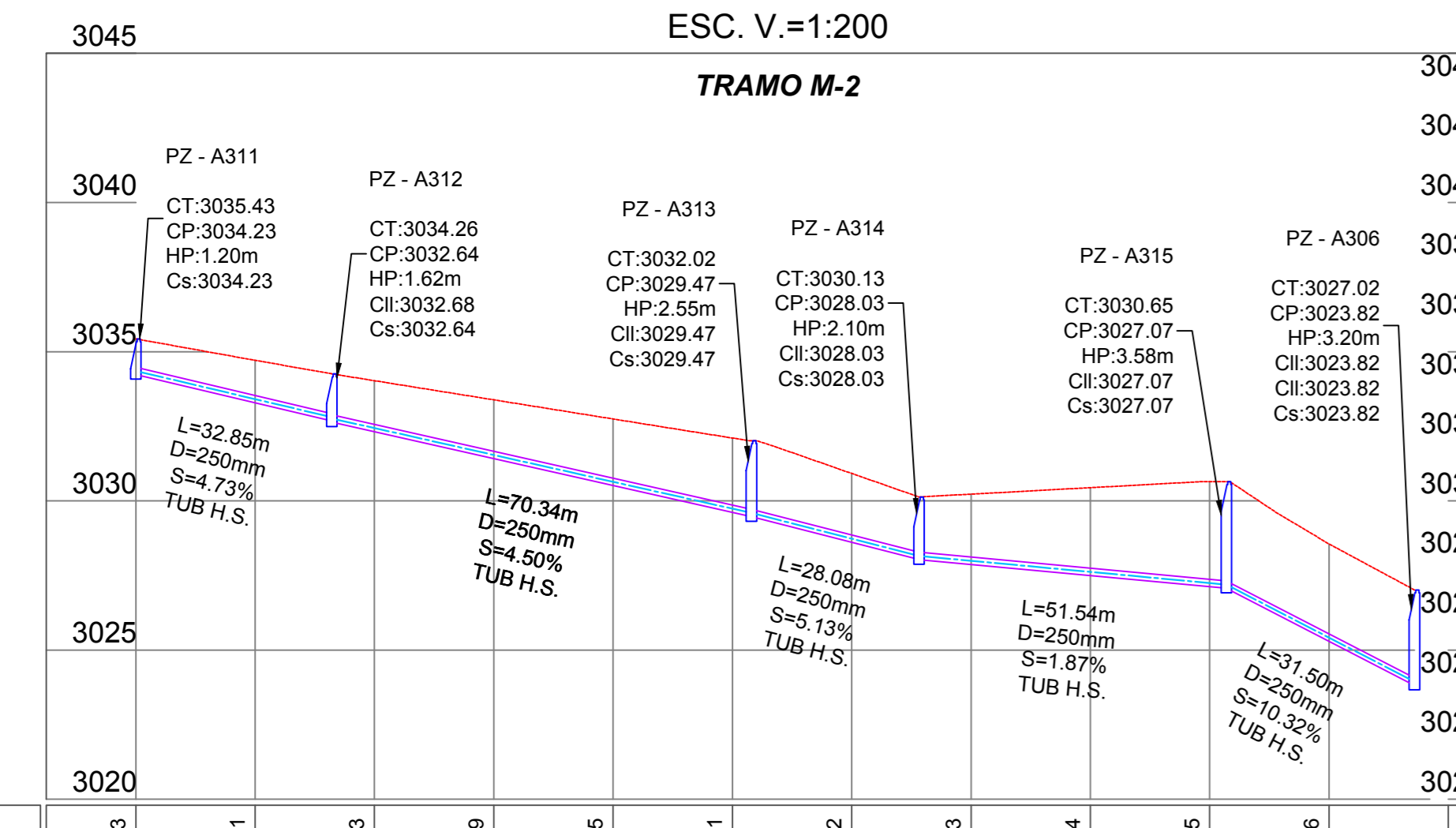
PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200



DETALLES POZOS



PERFIL LONGITUDINAL ESC. H.=1:1000 ESC. V.=1:200



COTA TERRENO	3004.41	3003.39	3003.71	3003.43	3003.03	3003.39	3003.75	3003.11	3003.23	3003.65	3003.44	3003.44	3003.56	3003.56
CORTE	1.33	1.60	1.86	2.11	2.38	2.18	2.31	2.90	3.48	3.00				
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+200	0+220			

COTA TERRENO	3035.11	3034.76	3035.61	3032.44	3031.28	3030.27	3028.99	3027.71	3026.41	3025.31	3024.11	3023.10	3022.22	3021.35	3020.48	3019.61	3018.59	3017.59	3016.53	3015.29	3014.20	3013.30	3012.30	3011.82	3010.35	3009.66	3008.35	3007.66	3006.95	3006.04	3005.18	3004.22	3003.29	3002.41	3001.92	3001.02	2999.47	2998.04	2996.61	2995.19
CORTE	1.45	2.39	2.15	1.91	1.68	1.63	1.61	1.59	1.56	1.65	1.59	1.56	1.57	1.57	1.59	1.60	1.59	1.57	1.56	1.57	1.62	1.67	1.73	1.77	1.72	1.67	1.62	1.56	1.50	1.48	1.46	1.45	1.44	1.44						
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580	0+600	0+620	0+640	0+660	0+680					

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALBAMBA, SANTA LUCÍA-LIBERTA, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHU"

CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN DIEGO - ALOBAMBA. TRAMO M-2, TRAMO N

UNIVERSIDAD TÉCNICA DE AMBATO
FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA
CARRERA DE INGENIERÍA CIVIL

FECHA: NOVIEMBRE 2022

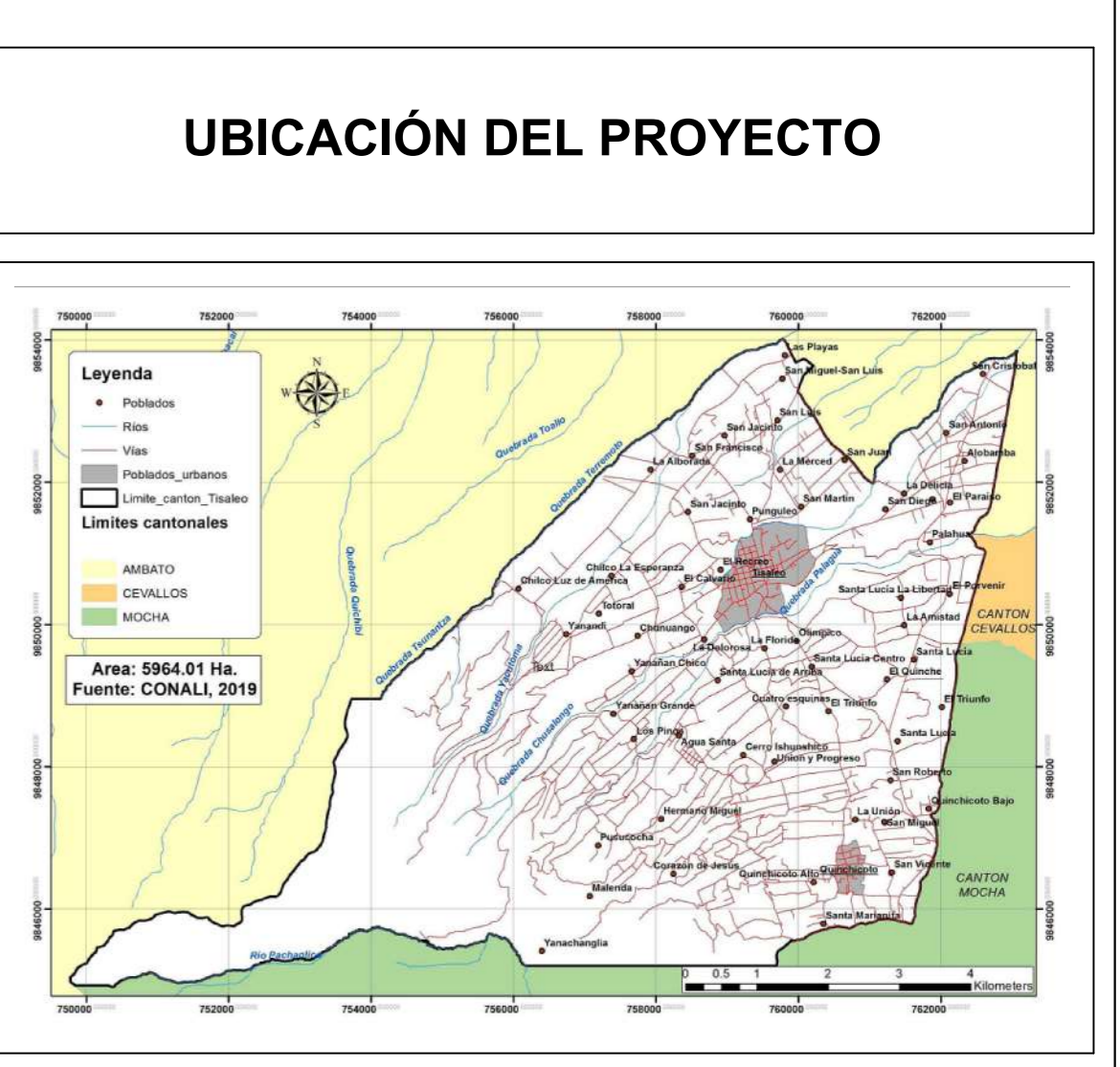
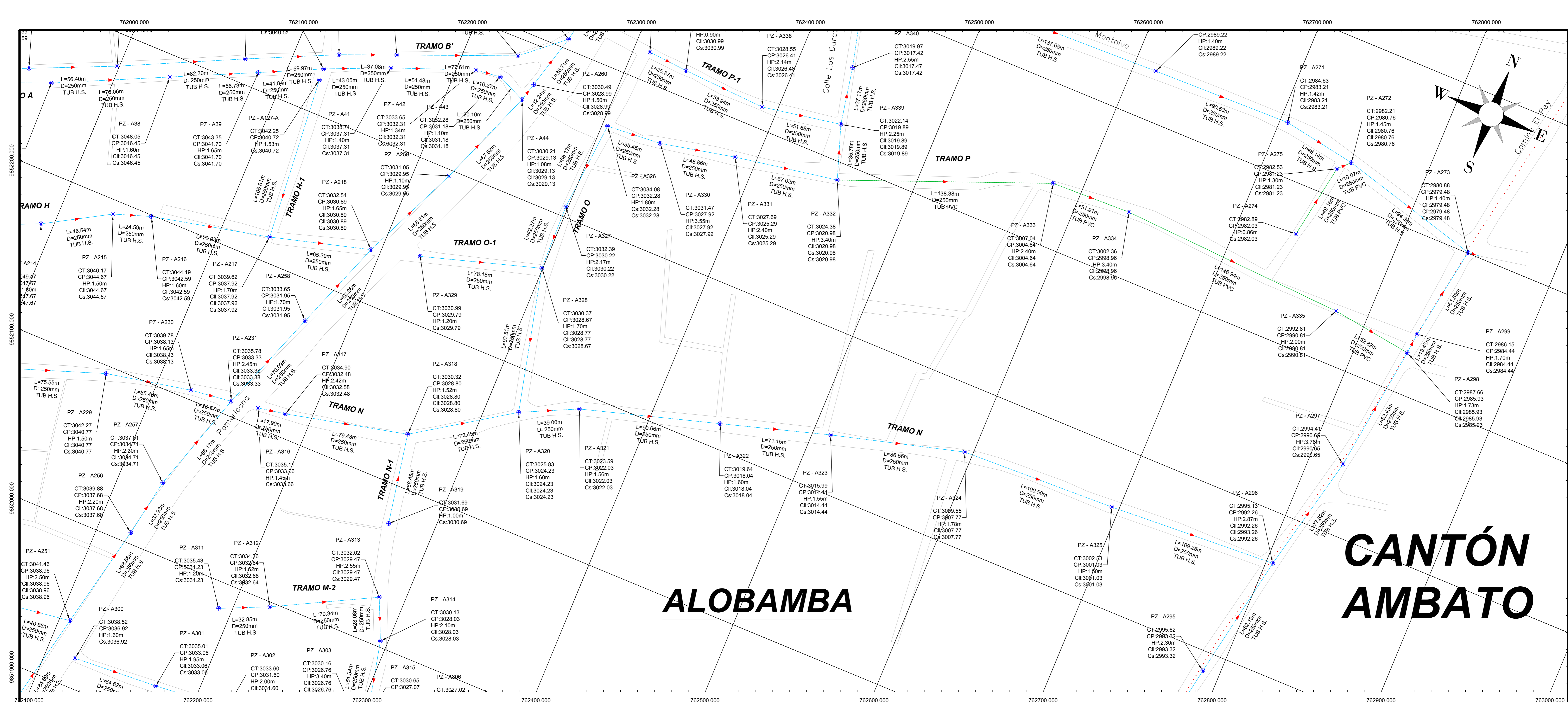
ELABORADO POR: Eglis Tarma Bonita Testa
REVISADO POR: Ing. Galo Núñez Tutor
APROBADO POR: Ing. Galo Núñez Tutor

PROVINCIA: TUNGURAHUA
CANTÓN: TISALEO
SECTOR: ALOBAMBA

ESCALA: 1:1000

LÁMINA: LÁMINA 25

TOTAL LÁMINAS: 27



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S

COORDENADAS UTM:
 75953.24 m E
 9850780.17 m S

ALTURA REFERENCIAL:
 3249 m

SIMBOLOGÍA

TUBERÍA PVC D = 250mm
 TUBERÍA H.S. D = 250mm

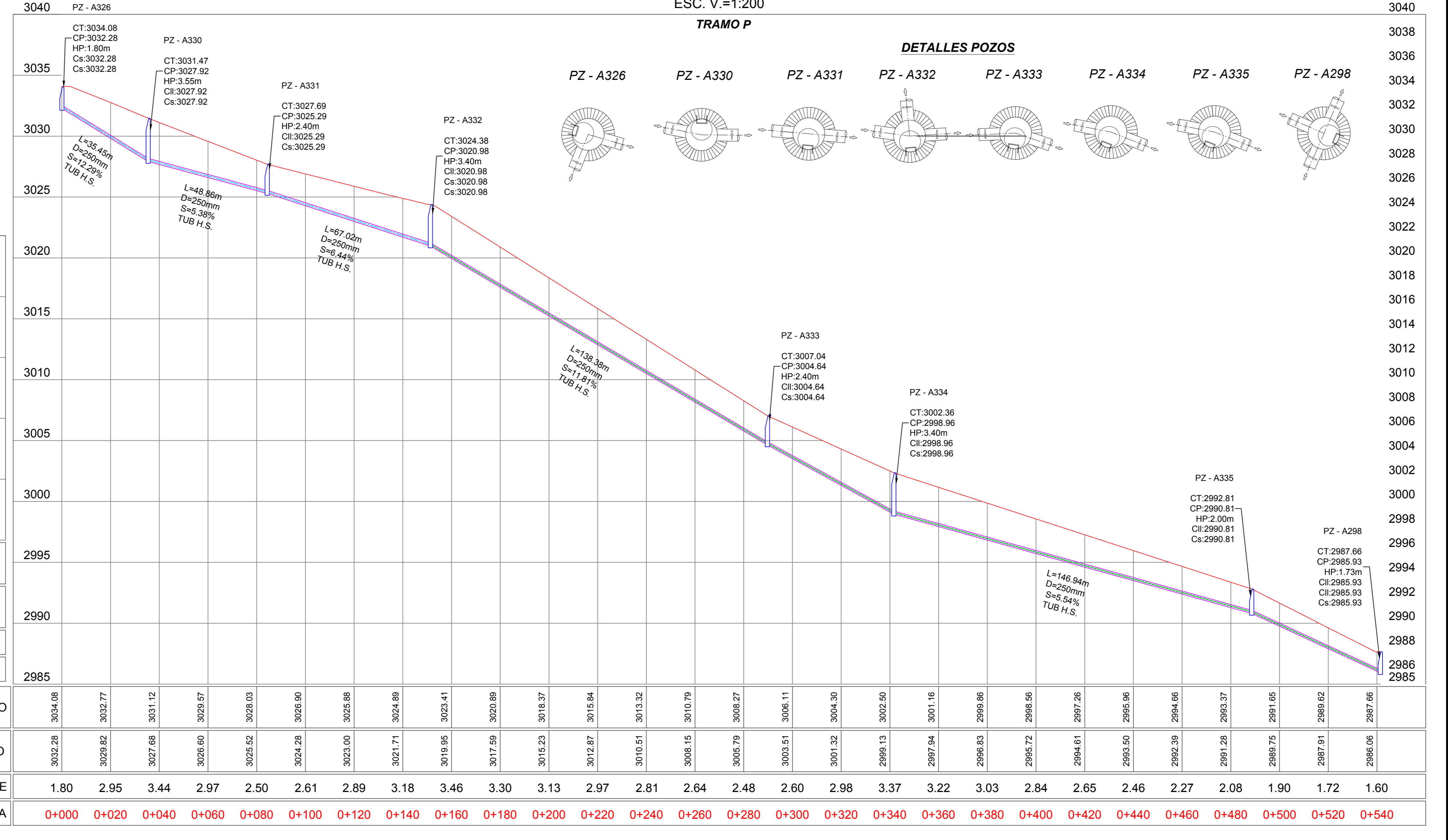
POZO DE REVISIÓN

PERFIL DEL TERRENO
 CALLES / VÍAS
 LÍMITES TERRITORIALES

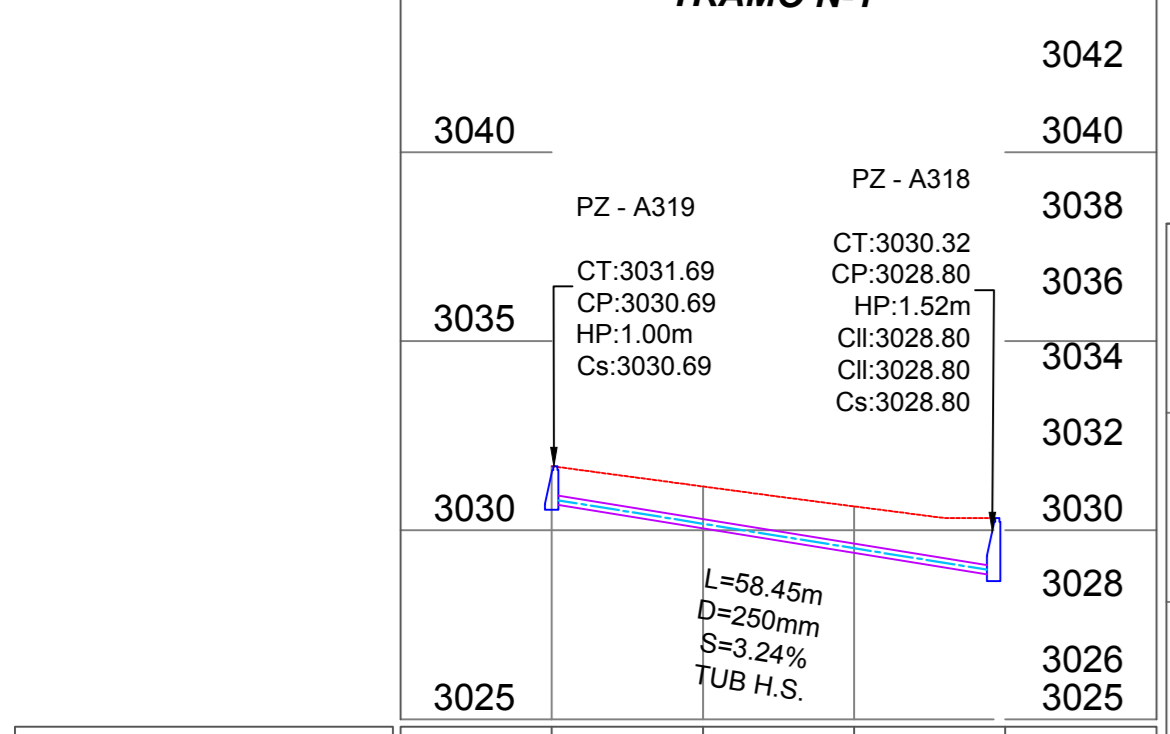
RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO M						
PZ-A200	76218.81	9851918.86	3036.52	-	3033.06	3036.92
PZ-A301	762173.42	9851927.28	3035.01	3033.06	3033.06	3033.06
PZ-A302	762220.84	9851928.57	3033.61	3031.61	3031.61	3031.61
PZ-A303	762302.10	9851940.43	3030.16	3026.76	3026.76	3026.76
PZ-A304	762337.89	9851958.12	3027.02	3023.82	3023.82	3023.82
PZ-A307	762395.33	9851951.32	3023.67	3020.67	3020.67	3020.67
PZ-A308	762517.38	9851968.68	3015.26	3013.61	3013.61	3013.61
PZ-A309	762610.47	9851981.53	3007.01	3004.91	3004.91	3004.91
PZ-A310	762655.79	9851985.47	3004.60	3002.68	3002.68	3002.68
PZ-A292	762752.77	9851990.80	2998.86	2996.50	2995.44	2995.44
TRAMO M-1						
PZ-A304	762310.27	9851919.73	3033.44	-	3031.84	3031.84
PZ-A305	762310.41	9851978.61	3032.30	3029.86	3029.86	3029.86
PZ-A303	762302.10	9851949.43	3030.16	3026.76	3026.76	3026.76
TRAMO M-2						
PZ-A311	762191.61	9851983.59	3035.43	-	3034.23	3034.23
PZ-A312	762221.58	9851997.06	3034.26	3032.68	3032.64	3032.64
PZ-A313	762283.94	9852029.59	3032.02	3029.47	3029.47	3029.47
PZ-A314	762295.36	9852003.94	3030.13	3028.03	3028.03	3028.03
PZ-A315	762306.70	9851953.67	3030.65	3027.07	3027.07	3027.07
PZ-A306	762337.89	9851958.12	3027.02	3023.82	3023.82	3023.82
TRAMO N						
PZ-A316	762165.78	9852111.92	3035.11	-	3033.66	3033.66
PZ-A317	762183.39	9852115.13	3034.90	3032.58	3032.64	3032.64
PZ-A318	762200.79	9852129.32	3032.02	3029.80	3029.80	3029.80
PZ-A320	762321.07	9852173.17	3025.83	3024.23	3024.23	3024.23
PZ-A321	762356.21	9852190.06	3023.59	3022.03	3022.03	3022.03
PZ-A322	762443.13	9852215.80	3019.64	3018.04	3018.04	3018.04
PZ-A323	762511.29	9852236.29	3015.99	3014.44	3014.44	3014.44
PZ-A324	762594.82	9852258.99	3009.55	3007.77	3007.77	3007.77
PZ-A325	762635.25	9852282.49	3002.53	3001.03	3001.03	3001.03
PZ-A296	762804.33	9852268.63	2995.13	2993.26	2992.26	2992.26
TRAMO N-1						
PZ-A319	762271.40	9852075.50	3031.69	-	3030.69	3030.69
PZ-A318	762280.79	9852132.98	3030.32	3028.80	3028.80	3028.80
TRAMO O						
PZ-A326	762303.49	9852264.38	3034.08	-	3032.28	3032.28
PZ-A327	762298.61	9852306.41	3032.39	3030.22	3030.22	3030.22
PZ-A328	762299.44	9852264.15	3030.37	3028.77	3028.67	3028.67
PZ-A320	762321.07	9852173.17	3025.83	3024.23	3024.23	3024.23
TRAMO O-1						
PZ-A329	762243.83	9852241.41	3030.99	-	3029.79	3029.79
PZ-A328	762299.44	9852264.15	3030.37	3028.77	3028.67	3028.67
TRAMO P						
PZ-A330	762338.84	9852267.10	3031.47	3027.92	3027.92	3027.92
PZ-A331	762386.61	9852377.24	3027.69	3025.29	3025.29	3025.29
PZ-A332	762452.65	9852388.78	3024.38	3020.98	3020.98	3020.98
PZ-A333	762581.29	9852439.77	3007.04	3004.64	3004.64	3004.64
PZ-A334	762633.18	9852441.27	3002.38	2998.96	2998.96	2998.96
PZ-A335	762779.92	9852433.40	2992.81	2990.81	2990.81	2990.81
PZ-A298	762832.24	9852426.25	2987.66	2985.93	2985.93	2985.93
TRAMO P-1						
PZ-A336	762310.56	9852418.56	3032.29	-	3031.33	3031.33
PZ-A337	762336.35	9852416.52	3031.89	3030.99	3030.99	3030.99
PZ-A338	762390.21	9852413.62	3029.55	3028.48	3028.41	3028.41
PZ-A339	762441.10	9852422.65	3022.14	3019.89	3019.89	3019.89
CALLE DURAZNOS						
PZ-A332	762452.65	9852388.78	3024.38	3020.98	3020.98	3020.98
PZ-A339	762441.10	9852422.65	3022.14	3019.89	3019.89	3019.89
PZ-A340	762434.12	9852459.16	3019.97	3017.47	3017.42	3017.42
PZ-A298	762416.79	9852527.85	3006.92	3004.87	3004.87	3004.87

PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200



PERFIL LONGITUDINAL
 ESC. H.=1:1000
 ESC. V.=1:200



COTA TERRENO	3045	3044	3043	3042	3041	3040	3039	3038	3037	3036	3035	3034	3033	3032	3031	3030	3029	3028	3027	3026	3025
COTA PROYECTO	3030.69	3030.05	3031.16	3030.63	3030.90	3030.63	3030.63	3030.63	3030.63	3030.63	3030.63	3030.63	3030.63	3030.63	3030.63	3030.63	3030.63	3030.63	3030.63	3030.63	3030.63

DETALLES POZOS

PZ	A-319	A-318		
CORTE	1.00	1.11	1.23	
ABSCISA	0+000	0+020	0+040	0+060

DETALLES POZOS

PZ	A-326	A-327	A-328	A-320							
CORTE	1.80	1.95	2.08	2.14	1.83	1.63	1.74	1.68	1.63	1.57	
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA-LA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

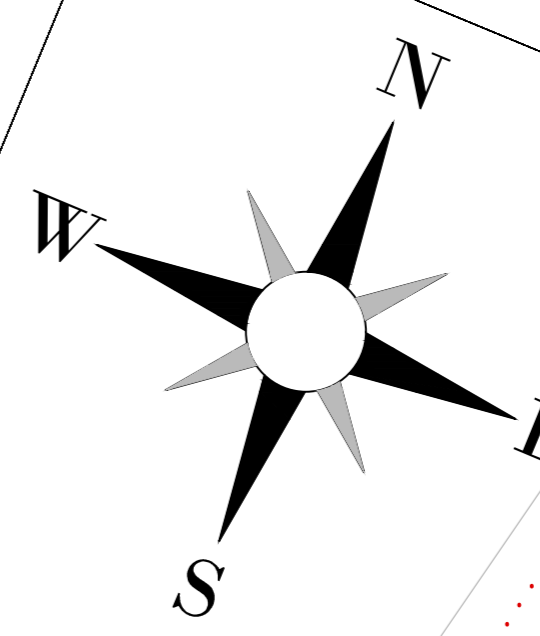
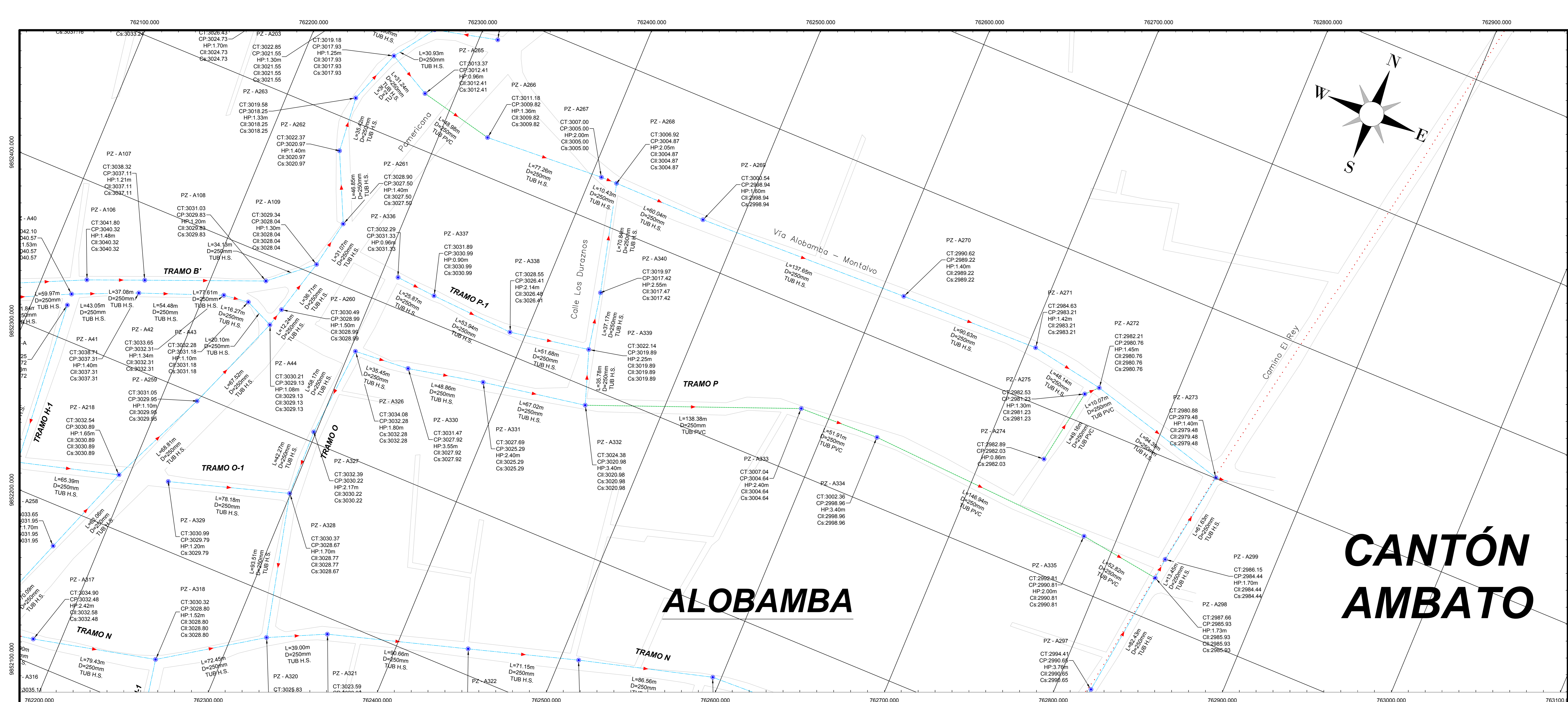
CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN DIEGO - ALOBAMBA. TRAMO N-1. TRAMO O. TRAMO P.

PROVINCIA: TUNGURAHUA CANTÓN: TISALEO SECTOR: ALOBAMBA

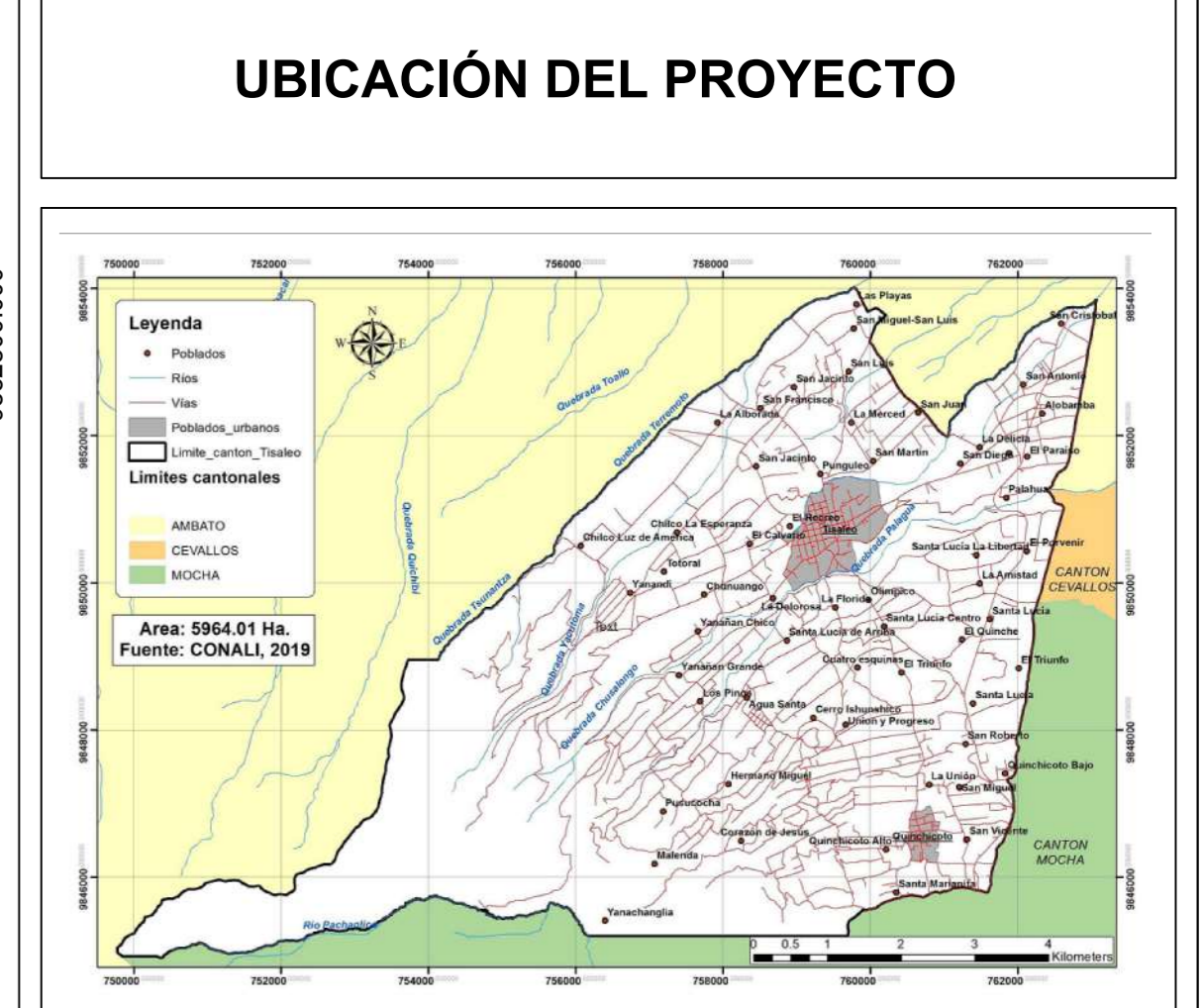
FECHA: NOVIEMBRE 2022 ESCALA: 1:1000

ELABORADO POR: Ing. Gato Nuñez Tutor REVISADO POR: Ing. Gato Nuñez Tutor APROBADO POR: Ing. Gato Nuñez Tutor

LÁMINA: LÁMINA 26 TOTAL LÁMINAS: 27



CANTÓN ALOBAMBA



DATOS GEOGRÁFICOS

DATUM: WGS84 ZONA 17S
COORDENADAS UTM: 759353.24 m E
 9850780.17 m S
ALTURA REFERENCIAL: 3249 m

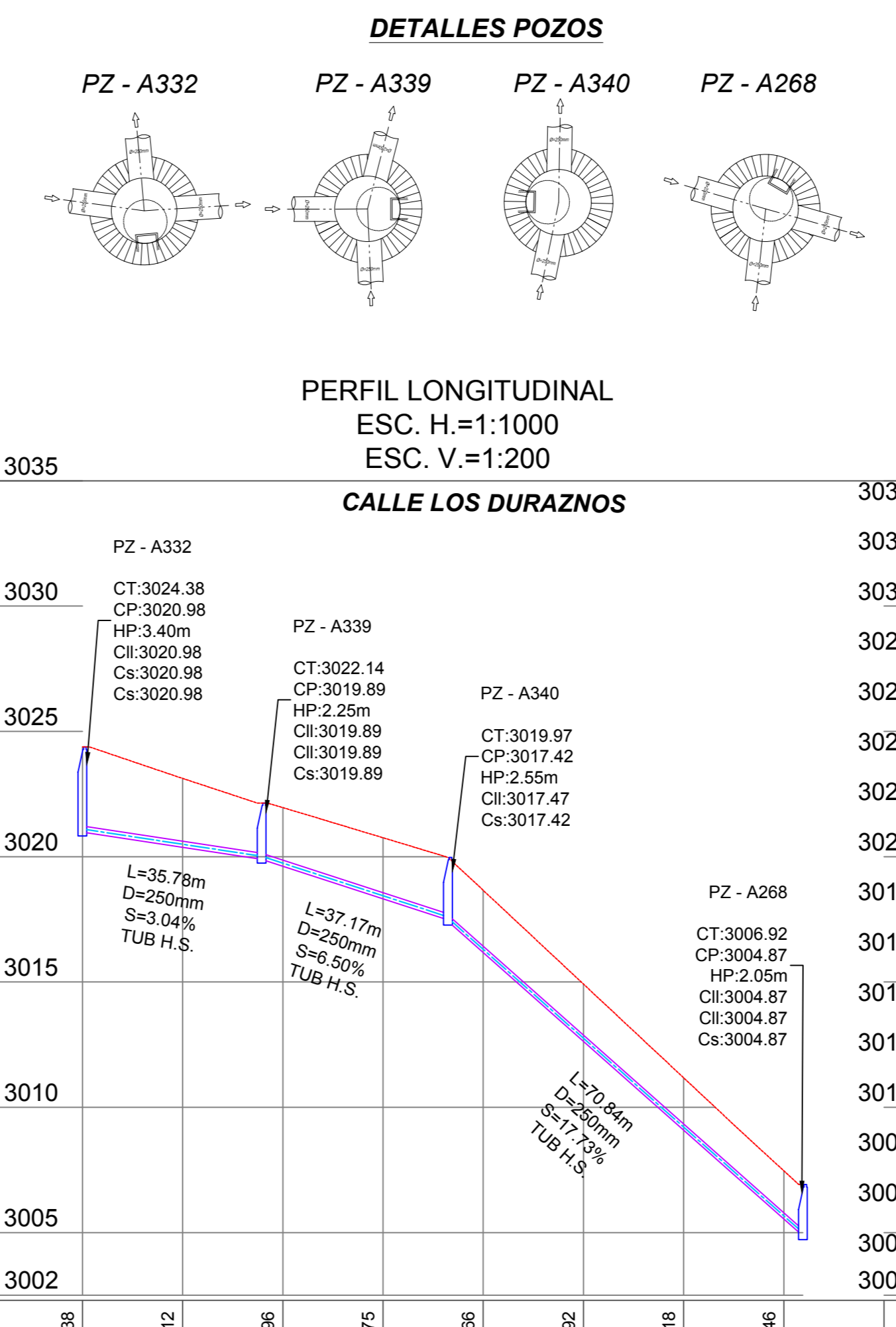
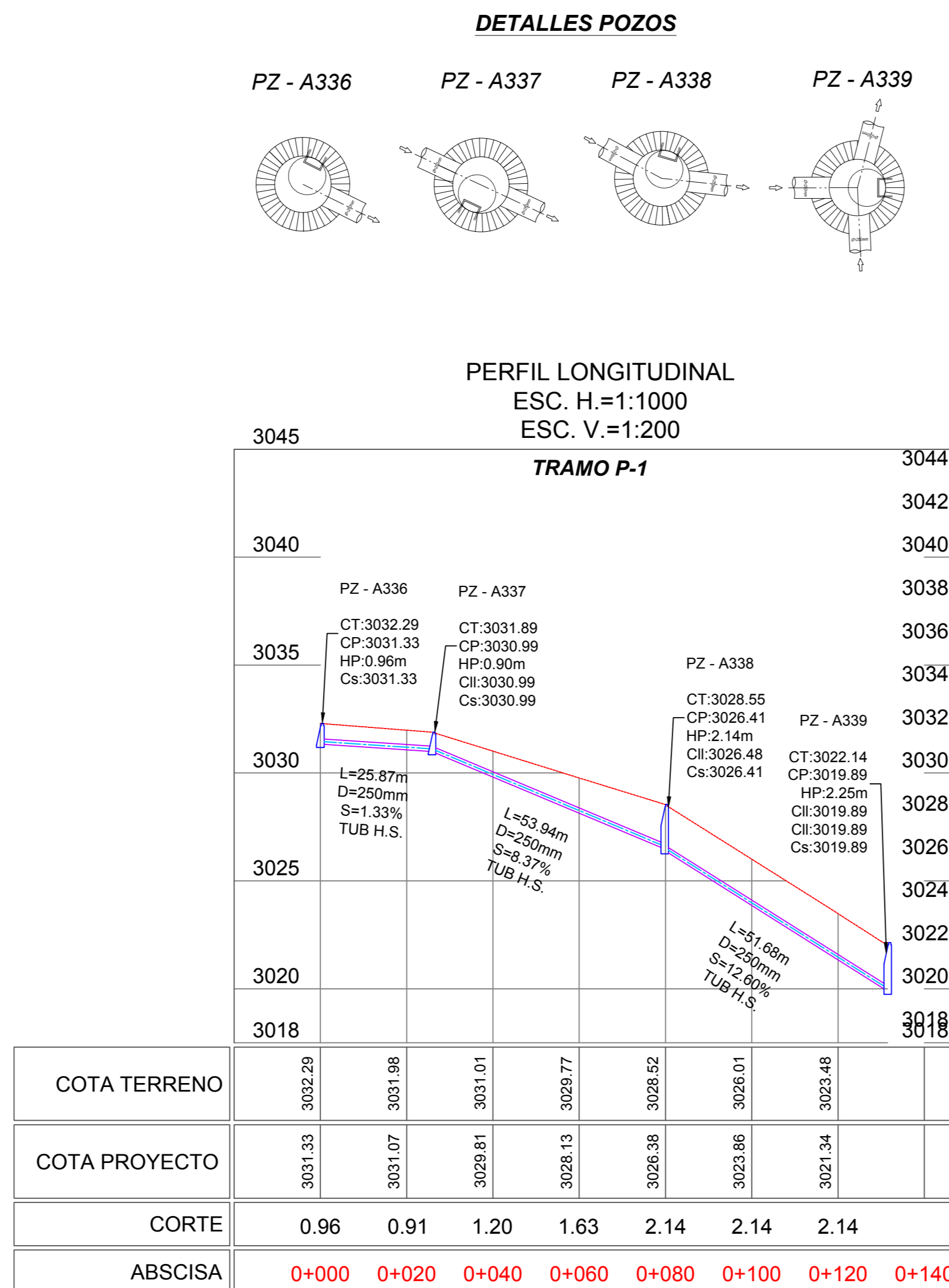
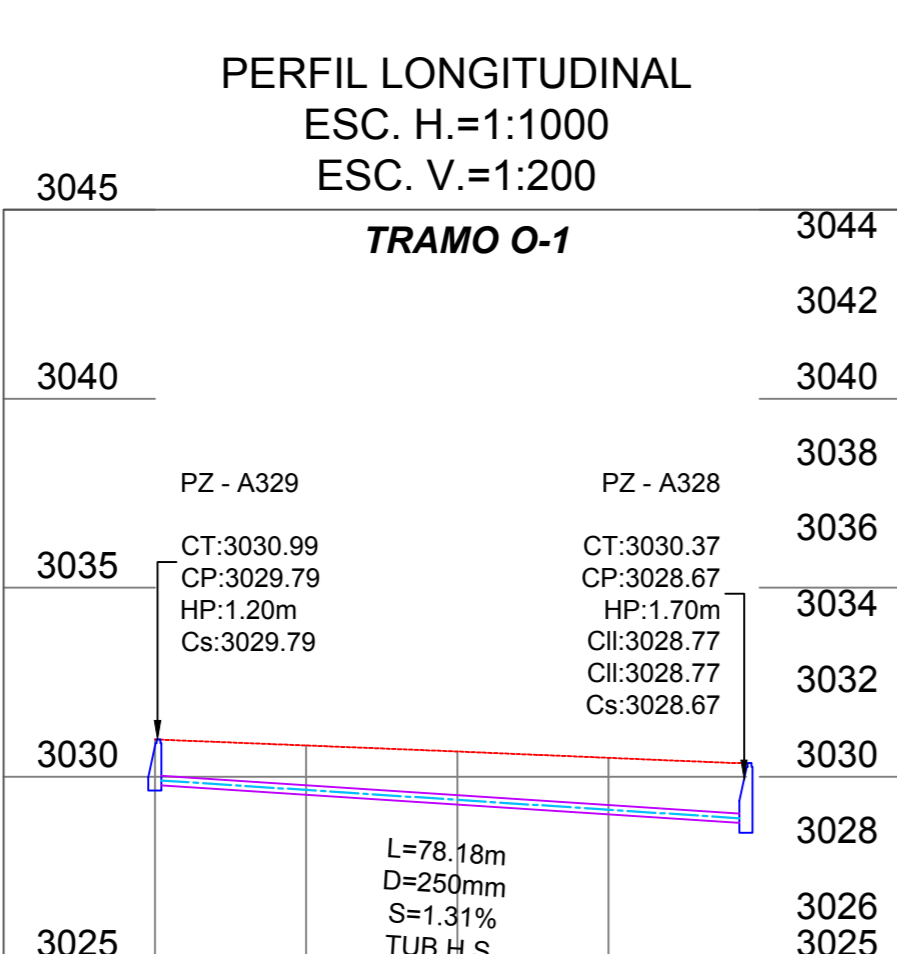
SIMBOLOGÍA

TUBERÍA PVC D = 250mm
 TUBERÍA H.S. D = 250mm
 POZO DE REVISIÓN
 PERFIL DEL TERRENO
 CALLES / VÍAS
 LÍMITES TERRITORIALES

L	LONGITUD DEL TRAMO
D / Ø	DIÁMETRO DE TUBERÍA
S	GRADIENTE HIDRÁULICA
CT	COTA TERRENO
CP	COTA PROYECTO
CIL	COTA DE LLEGADA
Cs	COTA DE SALIDA
HP	ALTURA DE POZO

RED DE ALCANTARILLADO SAN DIEGO - ALOBAMBA

POZO	ESTE (m)	NORTE (m)	C. TERRENO (m)	C. LLEGADA (m)	C. SALIDA (m)
TRAMO M					
PZ - A200	762118.01	9851918.86	3036.52	-	3036.92
PZ - A201	762173.42	9851922.24	3035.01	3033.06	3033.06
PZ - A202	762220.84	9851926.57	3033.61	3031.61	3031.61
PZ - A203	762302.10	9851949.43	3030.16	3026.76	3026.76
PZ - A206	762337.89	9851958.12	3027.02	3023.82	3023.82
PZ - A207	762395.33	9851951.32	3023.87	3020.67	3020.67
PZ - A208	762517.38	9851968.68	3015.26	3013.61	3013.61
PZ - A209	762610.47	9851981.53	3007.01	3004.91	3004.91
PZ - A210	762655.79	9851985.47	3004.80	3002.68	3002.68
PZ - A292	762752.77	9851990.80	2998.86	2996.50	2995.44
TRAMO M-1					
PZ - A204	762319.27	9851819.73	3033.44	-	3031.84
PZ - A205	762310.41	9851878.61	3032.30	3029.86	3029.86
PZ - A203	762302.10	9851949.43	3030.16	3026.76	3026.76
TRAMO M-2					
PZ - A211	762191.61	9851983.59	3035.43	-	3034.23
PZ - A212	762221.58	9851997.06	3034.26	3032.68	3032.64
PZ - A213	762383.94	9852029.59	3023.02	3020.47	3020.47
PZ - A214	762295.36	9852003.94	3030.13	3028.03	3028.03
PZ - A215	762306.70	9851953.67	3030.65	3027.07	3027.07
PZ - A206	762337.89	9851958.12	3027.02	3023.82	3023.82
TRAMO N					
PZ - A216	762165.78	9852111.92	3035.11	-	3033.66
PZ - A217	762183.39	9852115.13	3034.90	3032.58	3032.48
PZ - A218	762290.79	9852102.93	3032.32	3029.80	3029.80
PZ - A220	762321.07	9852173.17	3025.83	3024.23	3024.23
PZ - A221	762356.21	9852190.06	3023.59	3022.03	3022.03
PZ - A222	762443.13	9852215.86	3019.64	3018.04	3018.04
PZ - A223	762511.29	9852236.29	3015.99	3014.44	3014.44
PZ - A224	762594.82	9852258.99	3009.55	3007.77	3007.77
PZ - A225	762695.25	9852282.49	3002.53	3001.03	3001.03
PZ - A296	762804.33	9852268.63	2995.13	2993.26	2992.26
TRAMO N-1					
PZ - A219	762271.40	9852075.50	3031.69	-	3030.69
PZ - A218	762280.79	9852132.98	3030.32	3028.80	3028.80
TRAMO O					
PZ - A226	762303.49	9852264.38	3034.08	-	3032.28
PZ - A227	762298.61	9852306.41	3032.39	3030.22	3030.22
PZ - A228	762299.44	9852284.15	3030.37	3028.77	3028.67
PZ - A220	762321.07	9852173.17	3025.83	3024.23	3024.23
TRAMO O-1					
PZ - A229	762224.63	9852241.41	3030.99	-	3029.79
PZ - A228	762299.44	9852264.15	3030.37	3028.77	3028.67
TRAMO P					
PZ - A230	762338.84	9852267.10	3031.47	3027.92	3027.92
PZ - A231	762386.61	9852277.24	3027.69	3025.29	3025.29
PZ - A232	762452.65	9852288.78	3024.38	3022.98	3022.98
PZ - A233	762581.29	9852439.77	3007.04	3004.64	3004.64
PZ - A234	762633.18	9852441.27	3002.36	2999.96	2999.96
PZ - A235	762779.92	9852433.49	2992.81	2990.81	2990.81
PZ - A298	762832.24	9852426.25	2987.66	2985.93	2985.93
TRAMO P-1					
PZ - A236	762310.56	9852418.56	3032.29	-	3031.33
PZ - A237	762336.35	9852416.52	3031.89	3030.99	3030.99
PZ - A238	762390.21	9852413.62	3029.53	3026.48	3026.41
PZ - A239	762441.10	9852422.63	3022.14	3019.89	3019.89
CALLE DURAZNOS					
PZ - A232	762452.65	9852288.78	3024.38	-	3022.98
PZ - A233	762581.29	9852439.77	3007.04	3004.64	3004.64
PZ - A234	762633.18	9852441.27	3002.36	2999.96	2999.96
PZ - A235	762779.92	9852433.49	2992.81	2990.81	2990.81
PZ - A298	762832.24	9852426.25	2987.66	3004.87	3004.87



COTA TERRENO	3025.79	3030.99	3030.83	3030.67	3030.50
COTA PROYECTO	3025.53	3029.79	3029.67	3029.27	3029.00
CORTE	1.20	1.30	1.40	1.50	0+080
ABSCISA	0+000	0+020	0+040	0+060	0+080

COTA TERRENO	3031.33	3032.29	3031.96	3031.01	3029.77	3028.52	3028.01	3023.48
COTA PROYECTO	3031.07	3030.81	3029.77	3028.13	3026.39	3025.86	3021.54	
CORTE	0.96	0.91	1.20	1.63	2.14	2.14	2.14	
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140

COTA TERRENO	3024.38	3023.12	3023.02	3021.96	3020.75	3019.66	3018.18	3017.46
COTA PROYECTO	3024.08	3023.07	3021.82	3020.53	3019.17	3018.03	3016.54	
CORTE	3.40	2.75	2.34	2.44	2.48	2.29	2.09	1.92
ABSCISA	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+160

G.A.D. MUNICIPAL DEL CANTON TISALEO

"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOINFORMACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"

CONTIENE: RED DE ALCANTARILLADO SANITARIO SAN DIEGO - ALOBAMBA. TRAMO P-1. CALLE LOS DURAZNOS.

UNIVERSIDAD TÉCNICA DE AMBATO
 FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA
 CÁTEDRA DE INGENIERÍA CIVIL

ELABORADO POR: Eglis Tarma Bonita Testa
 REVISADO POR: Ing. Gaby Núñez Tutor
 APROBADO POR: Ing. Gaby Núñez Tutor

PROVINCIA: TUNGURAHUA
 CANTÓN: TISALEO
 SECTOR: ALOBAMBA

FECHA: NOVIEMBRE 2022
 ESCALA: 1:1000
 LÁMINA: 27
 TOTAL LÁMINAS: 27

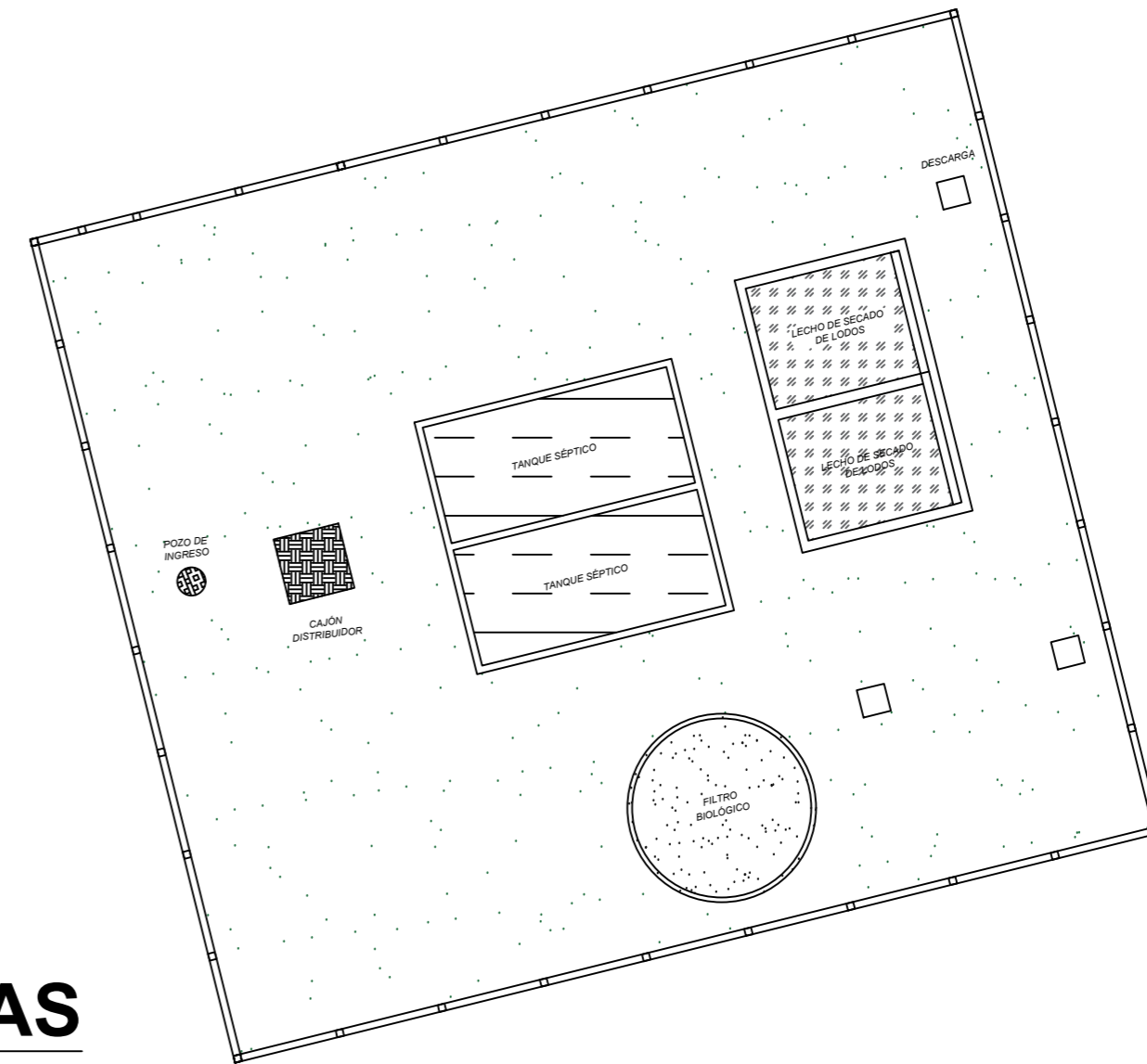
***ESQUEMA DE LAS PLANTAS DE
TRATAMIENTO DE AGUAS
SERVIDAS***

PLANTA DE TRATAMIENTO DE AGUAS SERVIDAS "CHILCO LA ESPERANZA"



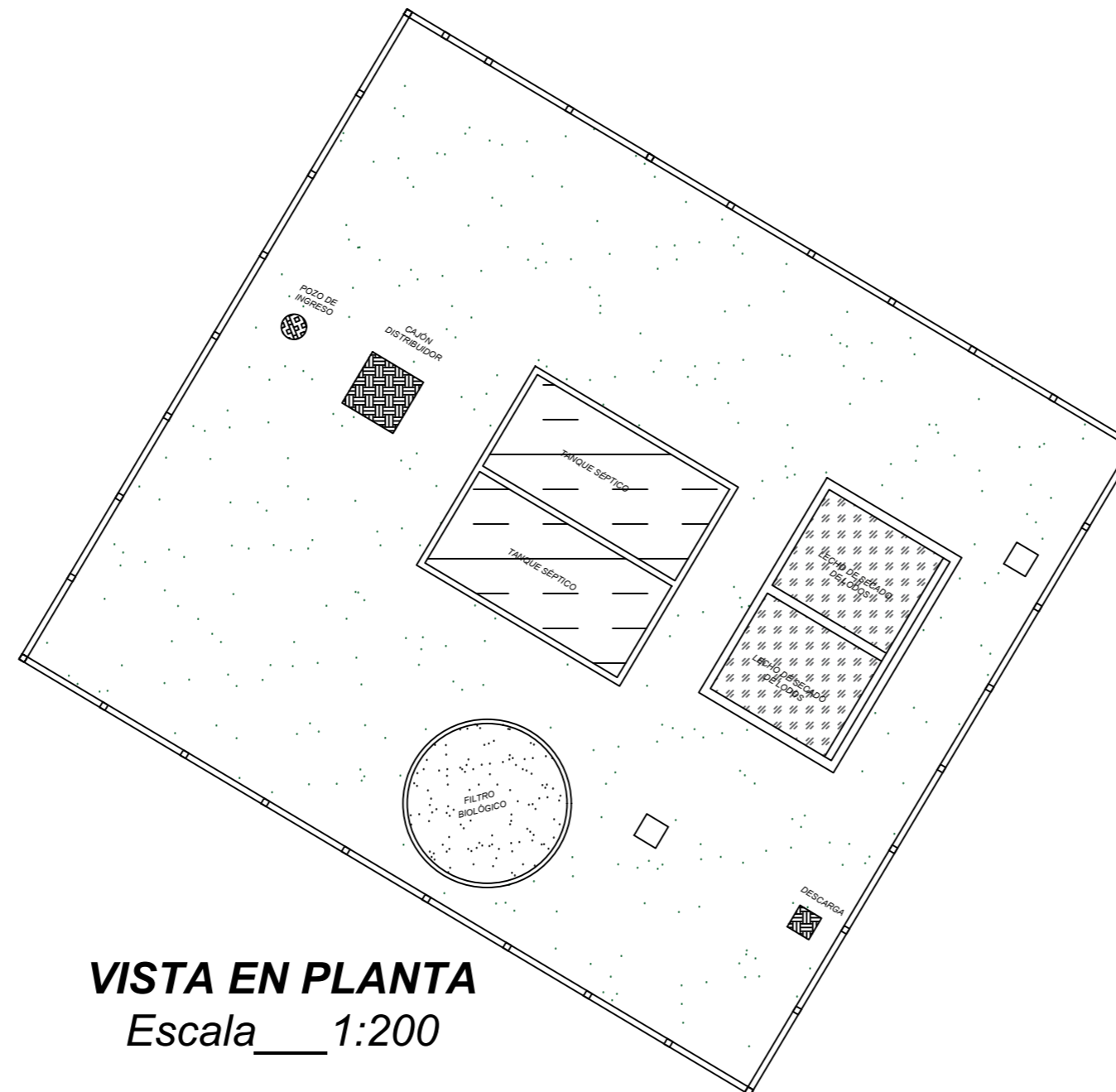
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Escala ___ 1:200

PLANTA DE TRATAMIENTO DE AGUAS SERVIDAS "BELLAVISTA"

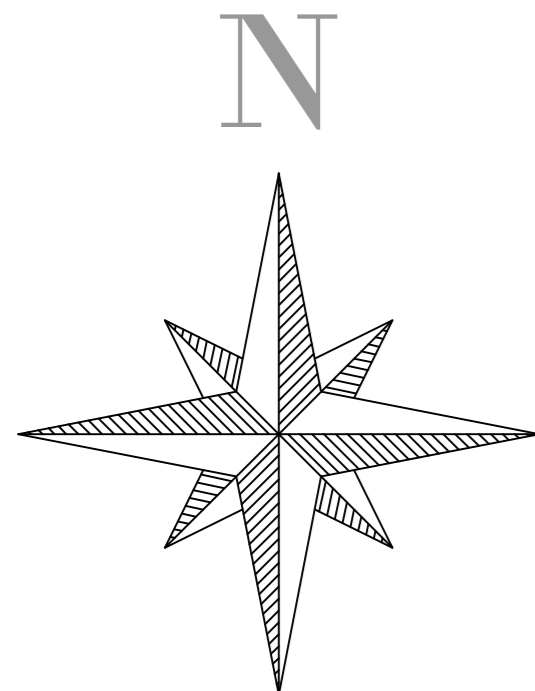


VISTA EN PLANTA
Escala ___ 1:200

PLANTA DE TRATAMIENTO DE AGUAS SERVIDAS "SAN JUAN"



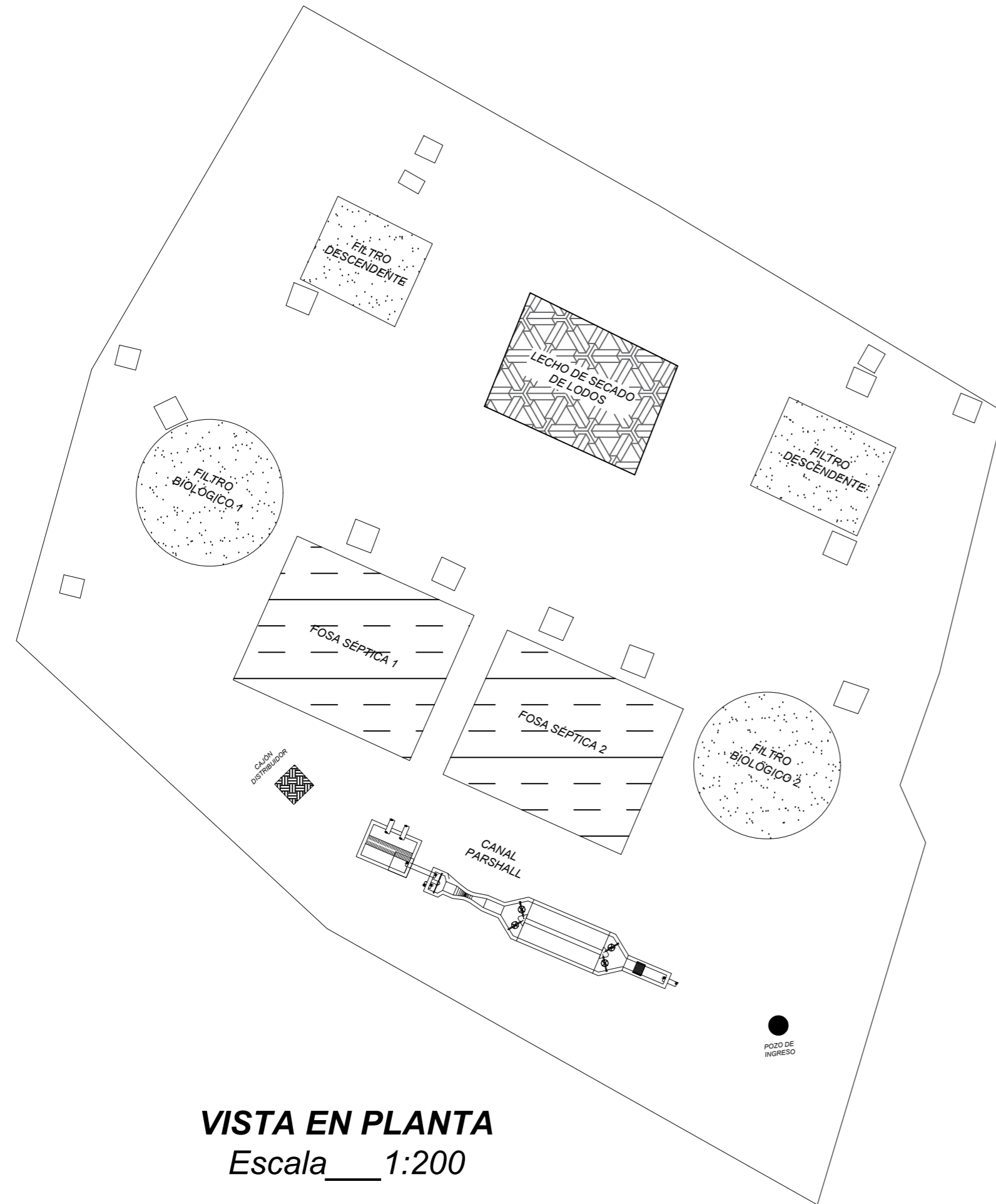
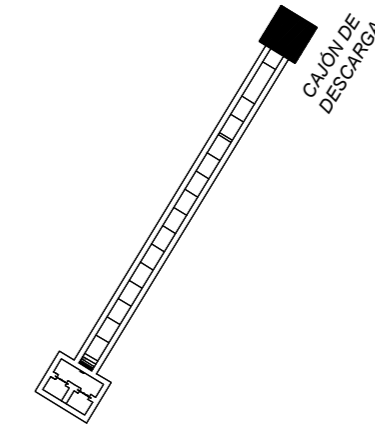
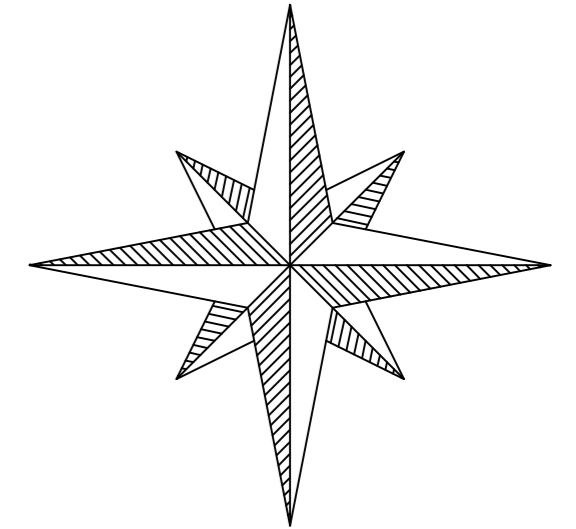
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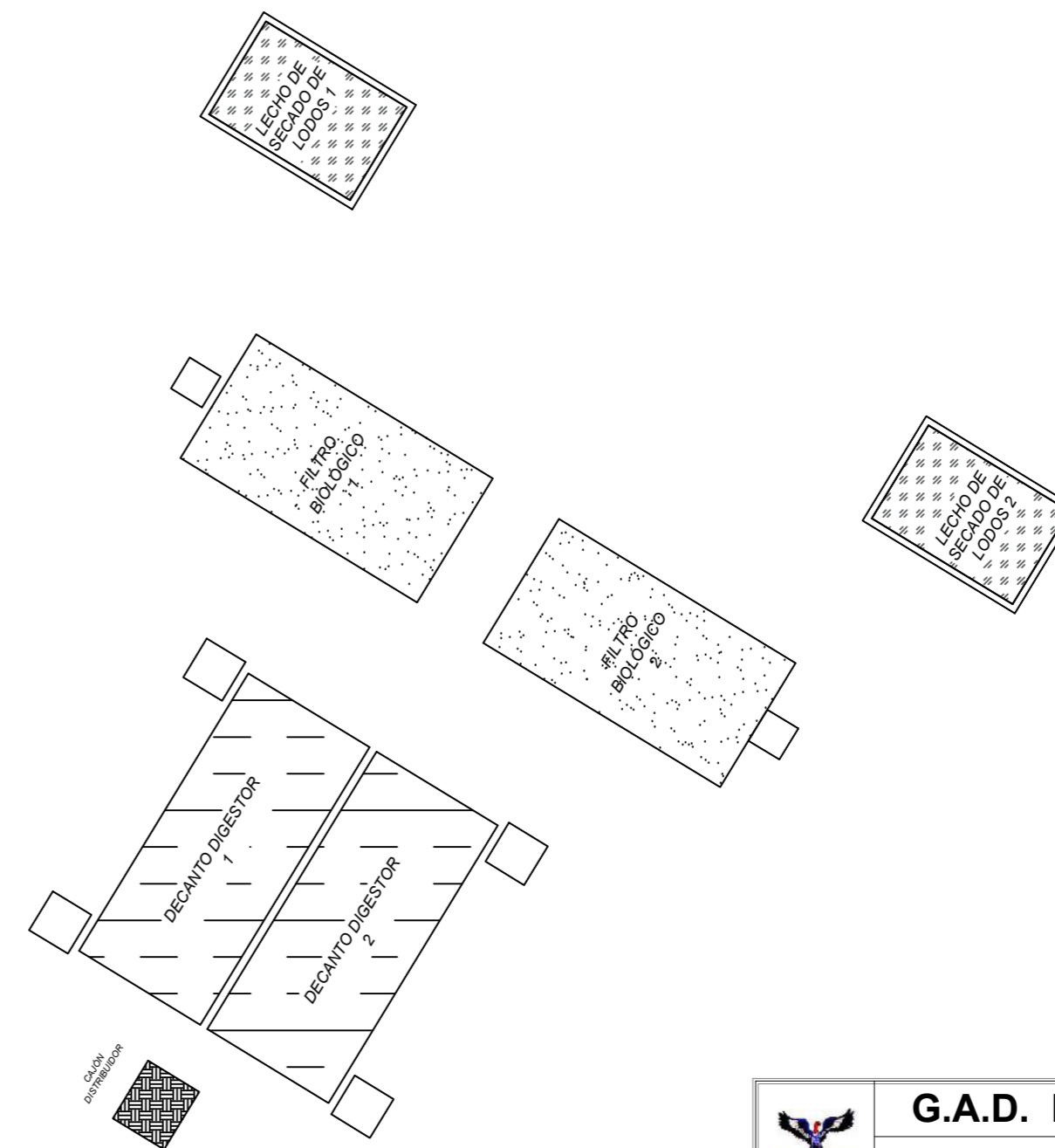
 G.A.D. MUNICIPAL DEL CANTON TISALEO			
<p>"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERÍOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA-LA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"</p>			
 		CONTIENE: ESQUEMAS DE LAS PLANTAS DE TRATAMIENTO DE AGUAS RESIDUALES	
UNIVERSIDAD TÉCNICA DE AMBATO FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA CARRERA DE INGENIERÍA CIVIL	PROVINCIA: TUNGURAHUA	CANTÓN: TISALEO	SECTOR: TISALEO
	FECHA: NOVIEMBRE, 2022		ESCALA: INDICADAS
ELABORADO POR: Egda. Tannia Bonilla Tesisista	REVISADO POR: Ing. Galo Núñez Tutor	APROBADO POR: Ing. Galo Núñez Tutor	LÁMINA: PT - 01 TOTAL LÁMINAS 3

PLANTA DE TRATAMIENTO DE AGUAS SERVIDAS "LA LIBERTAD"

N



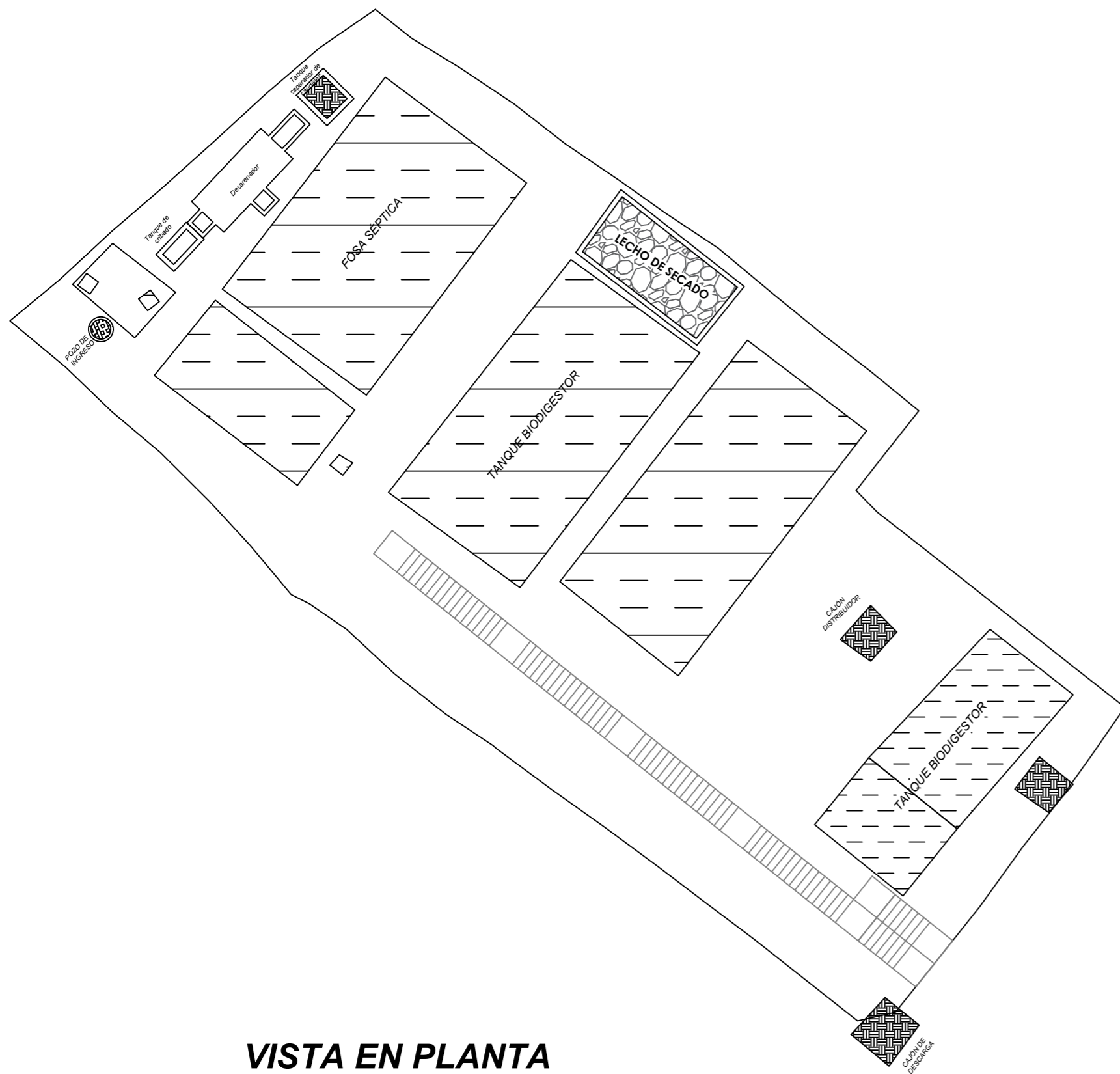
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VISTA EN PLANTA
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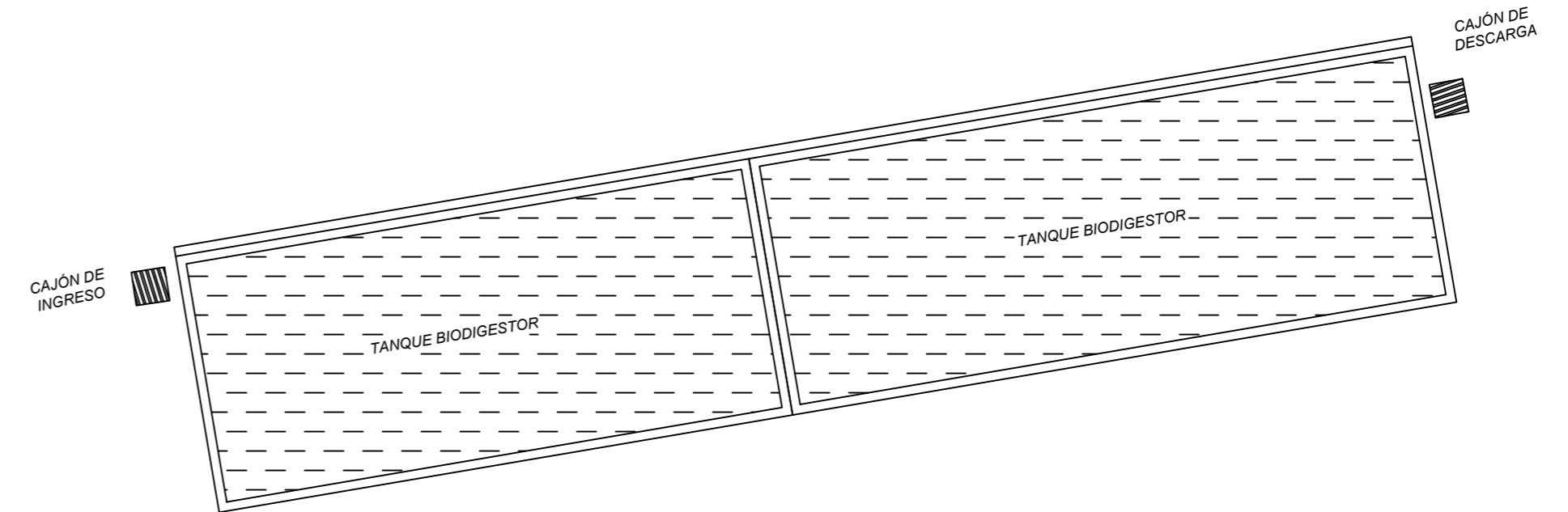
	G.A.D. MUNICIPAL DEL CANTON TISALEO		
	"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERÍOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA-LA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"		
	CONTIENE: ESQUEMAS DE LAS PLANTAS DE TRATAMIENTO DE AGUAS RESIDUALES		
	PROVINCIA: TUNGURAHUA	CANTÓN: TISALEO	SECTOR: TISALEO
UNIVERSIDAD TÉCNICA DE AMBATO FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA CARRERA DE INGENIERÍA CIVIL	FECHA: NOVIEMBRE, 2022	ESCALA: INDICADAS	
ELABORADO POR: Egda. Tannia Bonilla Tesisista	REVISADO POR: Ing. Galo Núñez Tutor	APROBADO POR: Ing. Galo Núñez Tutor	LÁMINA: PT - 02 TOTAL LÁMINAS 3

PLANTA DE TRATAMIENTO DE AGUAS SERVIDAS "CENTRO CANTONAL"

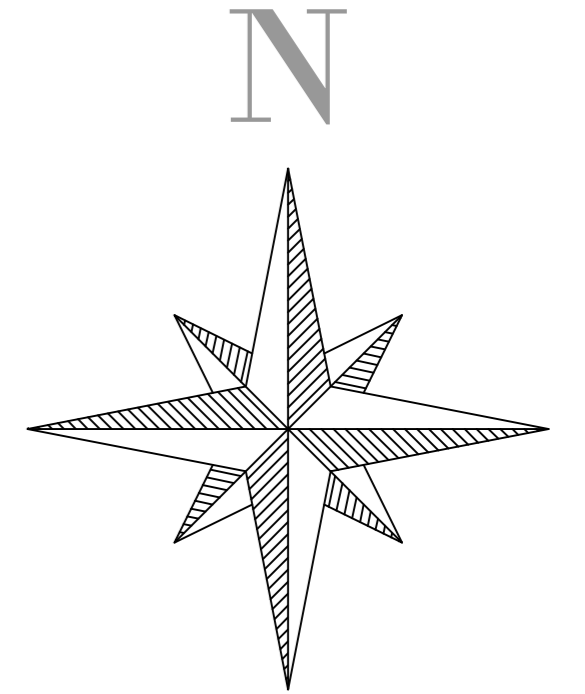


VISTA EN PLANTA
Escala 1:200

TANQUES BIODIGESTORES - LECHUGUINES

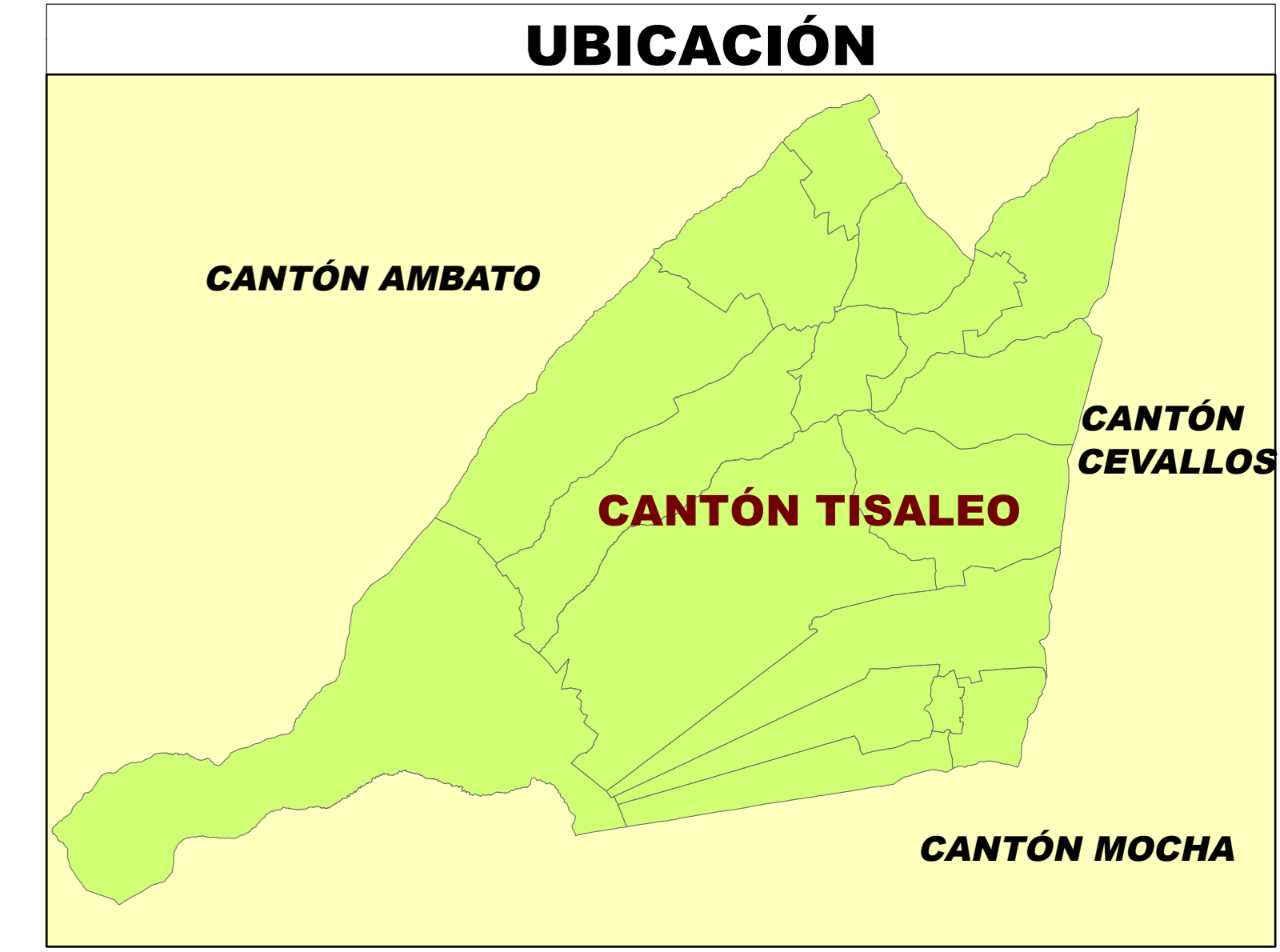
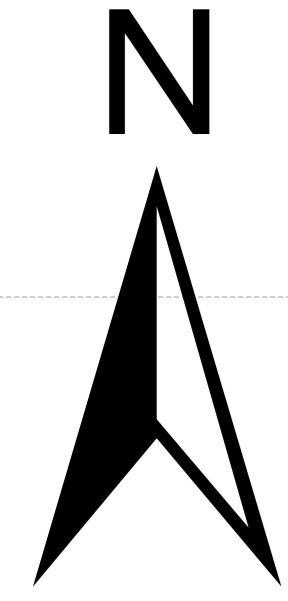
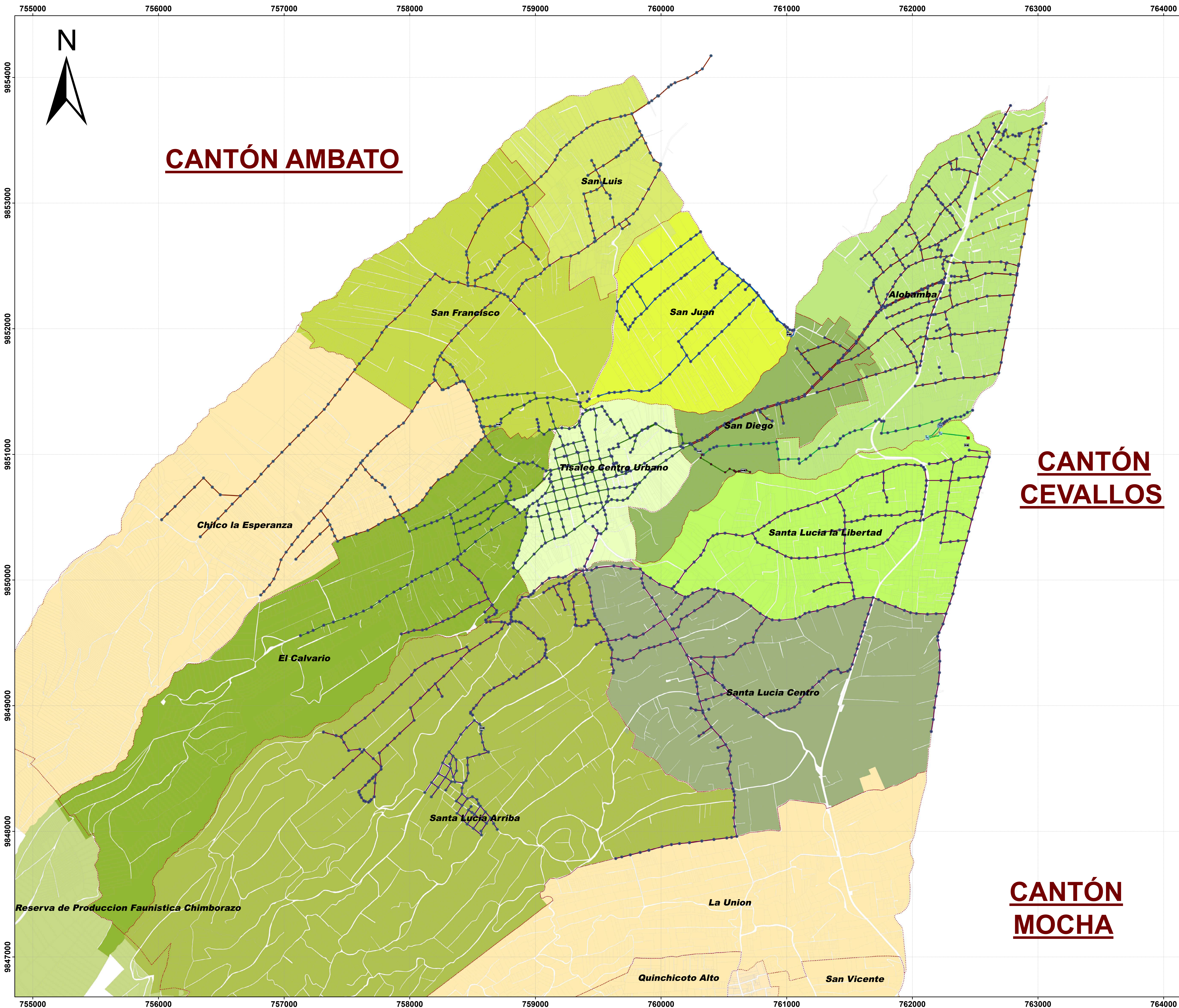


VISTA EN PLANTA
Escala 1:200



 G.A.D. MUNICIPAL DEL CANTÓN TISALEO			
"CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEOREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERÍOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA-LA LIBERTAD, SANTA LUCÍA-CENTRO, SANTA LUCÍA ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA"			
 		CONTIENE: ESQUEMAS DE LAS PLANTAS DE TRATAMIENTO DE AGUAS RESIDUALES	
UNIVERSIDAD TÉCNICA DE AMBATO FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA CARRERA DE INGENIERÍA CIVIL	PROVINCIA: TUNGURAHUA	CANTÓN: TISALEO	SECTOR: TISALEO
	FECHA: NOVIEMBRE, 2022	ESCALA: INDICADAS	
ELABORADO POR: Egda. Tannia Bonilla Tesista	REVISADO POR: Ing. Galo Núñez Tutor	APROBADO POR: Ing. Galo Núñez Tutor	LÁMINA: PT - 03 TOTAL LÁMINAS 3

***SISTEMA DE ALCANTARILLADO
SANITARIO TISALEO
SIG***



UNIVERSIDAD TÉCNICA DE AMBATO
FACULTAD DE INGENIERÍA CIVIL Y MECÁNICA
CARRERA DE INGENIERÍA CIVIL

PROYECTO: "CATASTRO DE LOS SISTEMAS DE ALCANTARILLADO A TRAVÉS DE LA GEORREFERENCIACIÓN Y DIGITALIZACIÓN PARA MEJORAR LA CALIDAD DE INFORMACIÓN SANITARIA DE LA PARROQUIA URBANA TISALEO Y CASERIOS SAN LUIS, SAN FRANCISCO, SAN JUAN, SAN DIEGO, ALOBAMBA, SANTA LUCÍA - LA LIBERTAD, SANTA LUCÍA - CENTRO, SANTA LUCÍA - ARRIBA, EL CALVARIO DEL CANTÓN TISALEO, PROVINCIA DE TUNGURAHUA."

CONTIENE: REDES DE ALCANTARILLADO

PROVINCIA: TUNGURAHUA	CANTÓN: TISALEO	SECTOR: TISALEO
ENTIDAD BENEFICIARIA: GAD MUNICIPAL DEL CANTÓN TISALEO	FECHA: DICIEMBRE, 2022	ESCALA: 1:10000
REALIZADO POR: Egda. Tannia Bonilla Tesista	REVISADO POR: Ing. Galo Nuñez Tutor	APROBADO POR: Ing. Galo Nuñez Tutor

LEYENDA

- RED01_CHILCO_SF_SL
- RED02_BELLAVISTA
- RED03_SANTA_LUCIA
- RED04_TISALEO
- RED05_SAN_JUAN
- RED06_SAN_DIEGO_ALOBAMBA
- RED07_SAN_CRISTOBAL
- RED08_PALAHUA
- LIMITE SECTORES

ZONA URBANA

SECTOR

- TISALEO CENTRO URBANO
- QUINCHICOTO CENTRO RURAL

ZONA RURAL

COMUNA

- RESERVA FAUNÍSTICA DE CHIMBORAZO
- ALOBAMBA
- CHILCO LA ESPERANZA
- EL CALVARIO
- LA UNION
- QUINCHICOTO ALTO
- SAN DIEGO
- SAN FRANCISCO
- SAN JUAN
- SAN LUIS
- SAN VICENTE
- SANTA LUCIA ARRIBA
- SANTA LUCIA CENTRO
- SANTA LUCIA LA LIBERTAD
- SANTA MARIANITA
- CALLES_VIAS

SIMBOLOGIA

- POZO
- CAJÓN
- CODO 45°
- CODO 90°
- PLANTA DE TRATAMIENTO

