VEOLIA

MEMORIA DE CALCULO

SISTEMA DE ALCANTARILLADO

Santa Catalina

Tramo	Cota Terreno Inicial (m)	Cota Terreno Final (m)	Cota Batea Inicial (m)	Cota Batea Final (m)	Pendiente (%)	Longitud (m)	Ø Interno (mm)	Material	Q (L/s)	Velocidad (m/s)	d/D (%)	q/Q (%)	Fuerza Tractiva (Pas)	Capacidad Tubo Lleno (L/s)	Gradiente Hidráulico inicial (m)	Gradiente Hidráulico Final (m)
TN-PATLAL2530	2,741.38	2,740.28	2,739.62	2,737.69	10.51	18.40	362.00	PVC	16.33	1.24	11.30	2.40	26.00	672.5	2,739.7	2,737.9
TN-PATLAL2529	2,745.04	2,744.46	2,743.22	2,742.20	3.25	31	362.00	PVC	130.2	3.3	41	35	25	373.9	2,743.4	2,742.4
TN-PATLAL2411	2,764.22	2,757.17	2,762.03	2,755.42	9.80	67.40	284.00	PVC	59.58	3.77	28.60	17.50	44.40	340.0	2,762.1	2,755.6
TN-PATLAL2410	2,757.17	2,755.40	2,755.42	2,753.83	4.38	36.30	284.00	PVC	92.26	3.39	44.40	40.60	28.00	227.2	2,755.6	2,754.0
TN-PATLAL2408	2,755.40	2,753.02	2,753.83	2,751.39	5.37	45.40	284.00	PVC	95.66	3.70	42.80	38.00	33.40	251.7	2,754.0	2,751.5
TN-PATLAL2405	2,753.02	2,752.10	2,751.39	2,750.41	6.20	15.80	284.00	PVC	99.98	3.94	42.10	37.00	38.20	270.3	2,751.5	2,750.5
TN-PATLAL2403	2,752.10	2,745.04	2,750.41	2,743.22	10.55	68.10	284.00	PVC	120.59	5.05	40.20	34.20	63.00	352.9	2,750.5	2,743.4
TN-PATLAL2397	2,761.50	2,759.21	2,759.99	2,757.65	7.20	32.50	284.00	PVC	89.07	4.04	37.90	30.60	41.10	291.5	2,760.1	2,757.8
TN-PATLAL2396	2,759.21	2,757.29	2,757.65	2,755.72	4.65	41.50	284.00	PVC	99.51	3.54	45.60	42.50	30.30	234.3	2,757.8	2,755.9
TN-PATLAL2395	2,757.29	2,753.86	2,755.72	2,752.24	8.87	39.20	284.00	PVC	144.29	4.95	46.80	44.60	59.00	323.5	2,755.9	2,752.4
TN-PATLAL2394	2,753.86	2,751.83	2,752.24	2,750.11	11.53	18.50	284.00	PVC	149.52	5.51	44.30	40.50	73.80	368.9	2,752.4	2,750.3
TN-PATLAL2392	2,751.83	2,744.46	2,750.11	2,742.20	11.67	67.80	284.00	PVC	212.29	6.04	54.30	57.20	85.20	371.1	2,750.3	2,742.4
TN-PATLAL2391	2,744.46	2,740.28	2,742.20	2,737.69	11.26	40.10	362.00	PVC	372.57	6.87	52.10	53.50	102.20	696.0	2,742.4	2,737.9
TN-PATLAL2390	2,744.46	2,741.38	2,742.94	2,739.62	8.95	37.10	284.00	PVC	4.15	0.50	8.70	1.30	12.60	325.0	2,743.0	2,739.7
TN-PATLAL2386	2,740.28	2,734.97	2,737.69	2,732.90	9.73	49.20	362.00	PVC	426.92	6.73	59.20	66.00	95.10	647.2	2,737.9	2,733.1
TEXISTENTE-	2,770.49	2,764.22	2,768.89	2,762.03	23.77	28.80	304.00	Concrete	56.20	3.53	23.10	11.50	95.90	488.4	2,769.0	2,762.1

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