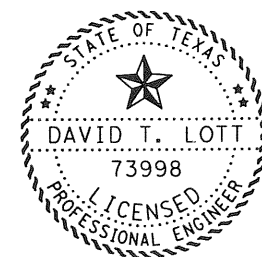


INLET CALCULATIONS

ID	INLET LOCATION	DA NO	Q cfs	CO cfs	Qo cfs	Z	Z/N	S ft/ft	y ft	P ft	a ft	qL cfs	Lr curb ft	"E" Slot	Lr Slot ft	La ft	La/Lr	a/y	Curg Q1/Qo Curg	Q1/Qo Slot	Q1 cfs	Q1-Qo cfs	Carry-over to:	Remarks	
CI-7	LT STA 130+40	14	1.13		1.13	48	3200	0.11	0.15	7.05	0.25	0.3	3.77			5									
EXIST	CI-18 IH 30 PROJECT	15	1.62																						
CI-6	RT STA 130+00	16	8.68		8.68	48	3200	0.015	0.3	14.3	0.25	0.45	19.29			15	0.78	0.83	0.87		7.55	1.13		EXIST CI-18 IH30 PROJ.	
CI-8	RT STA 135+50	17	4.36		4.36	48	3200	0.043	0.19	9.06	0.25	0.36	12.11			15									
CI-9	RT STA 137+00	18	12.13		12.13	48	3200	0.053	0.27	12.79	0.25	0.42	28.88			15	0.52	0.93	0.65		7.88	4.25		CI-10	
CI-10 & 10A	RT STA 137+89	19	10.77	4.25	15.02	48	3200	0.054	0.29	13.81	0.25	0.45	33.38			25	0.075	0.86	0.85		12.77	2.25		CI-11	
CI-11 & 11A	RT STA 14000	20	13.1	2.25	15.35	48	3200	0.0265	0.33	15.91	0.25	0.49	31.33			25	0.08	0.76	0.89		13.66	1.69		CI-12	
CI-12	RT STA 141+30	21	0.81	1.69	2.5	48	3200	0.0075	0.21	10.21	0.25	0.38	6.58			10									
CI-15	LT STA 141+50	30	1.87		1.87	77	5133	0.005	0.17	13.27	0.25	0.34	5.5			5	0.91	1.47	0.94		1.76	0.11		CI-16	
DI-4	RT STA 146+32	26A	1.87		1.87																			2-GR Q=2.84 h=0.1 TY C	
DI-3	RT STA 145+45	26	4.07		4.07																			3-GR Q=4.26 h=0.1 TY C	
DI-2	RT STA 142+30	24	25.9		25.9																			3-GR Q=30.9 h=1.0 TY C	
DI-1	RT STA 142+10	23	24.45		24.45																			3-GR Q=30.9 h=1.0 TY C	
CI-14	RT STA 142+45	28	1.81		1.81	48	3200	0.009	0.18	8064	0.25	0.35	5.17			5	0.97	1.39	0.98		1.77	0.04		CI-13	
CI-13	RT STA 141+85	22	1.37	0.04	1.41		$L=0.324(1.41)/(0.5)1.5 =$					1.29	2.58			15								SAG	
CI-17	LT STA 142+50	32	3.37		3.37	48	3200	0.0095	0.23	11.04	0.25	0.4	8.43			5	0.59	1.09	0.71		2.39	0.98		CI-16	
CI-16	LT STA 142+00	31	1.37	1.09	2.46		$L=0.324(2.46)/(0.5)1.5 =$					2.25	4.51			15								SAG	
CI-18 & 18A	RT STA 184+36	27	18.91		18.91	48	3200	0.072	0.297	14.26	0.25	0.45	42.02			30	0.69	0.84	0.81		15.32	3.59		CI-20	
CI-19 & 19A	RT STA 148+24	33	23.28		23.28	48	3200	0.072	0.321	15.42	0.25	0.47	49.5			30	0.61	0.78	0.74		17.23	6.05		CI-20	
CI-20 & 20A	LT STA 151+00	34	4.53	9.64	14.17	48	3200	0.044	0.292	14.04	0.25	0.45	31.49			20	0.64	0.85	0.77		10.91	3.26		CI-21	
CI-21 & 21A	LT STA 154+00	35	7.8	3.26	11.06	46.1	3073	0.05	0.264	12.18	0.25	0.42	26.33			20	0.76	0.95	0.85		9.4	1.66		CI-22	
CI-22	LT STA 156+90	36	5.49	1.66	7.15	35.7	2380	0.05	0.0246	8.82	0.25	0.4	17.88			15	0.84	1.01	0.91		6.51	0.64		CI-24	
DI-5	RT STA 152+90	37	9.18		9.18																			1-GR Q=9.0 h=0.5 TY C	
DI-6	RT STA 156+90	38	17.82		17.82																			2-GR Q=21.9 h=1.0 TY C	
DI-7	RT STA 158+35	39	21.34		21.34																			2-GR Q=21.9 h=1.0 TY C	
CI-24	LT STA 160+37	40	5.49	0.64	6.13	35.7	2380	0.007	0.336	12.02	0.25	0.419	12.561			10	0.8	0.741	0.89		5.46	0.67		CI-25	
CI-25	LT STA 160+87	43	1.87	0.81	2.68	35.7	2380									15								LOW POINT SAG	
CI-38	RT STA 195+00	58	3.04		3.04	48	3200	0.01	0.022	10.14	0.25	0.38	8			10									
CI-37	LT STA 195+00	57	3.04		3.04	48	3200	0.01	0.22	10.14	1.25	0.38	8			10									
CI-36	RT STA 189+70	56	3.98		3.98	48	3200	0.01	0.24	11.51	0.25	0.4	9.95			10									
CI-35	LT STA 189+70	55	3.98		3.98	48	3200	0.01	0.24	11.51	0.25	0.4	9.95			10									
CI-34	RT STA 184+50	53	3.64		3.64	48	3200	0.01	0.23	11.14	0.25	0.4	9.1			10									
CI-33	LT STA 184+50	54	3.64		3.64	48	3200	0.01	0.23	11.14	0.25	0.4	9.1			10									
CI-32	RT STA 179+10	52	3.83		3.83	48	3200	0.02	0.21	9.97	0.25	0.38	10.08			10	0.99	1.19	0.99		3.79	0.04		CI-30	
CI-31	LT STA 176+85	51	5.88		5.88	36	2400	0.04	0.24	8.59	0.25	0.4	14.7			15									
CI-30	LT STA 175+00	50	4.66	0.04	4.7	48	3200	0.04	0.2	9.42	0.25	0.37	12.7			10	0.79	1.25	0.87		4.09	0.61		CI-29	
CI-29	RT STA 172+00	49	6.79	0.61	7.4	36	2400	0.05	0.25	8098	0.25	0.41	18.05			15	0.83	1	0.9		6.66	0.74		CI-27	
DI-10	LT STA 169+35	45	2.63		2.63																			1-GR Q=0.90 h=0.5 TY C	
CI-28	LT STA 169+65	48	4.26		4.26	41	2700	0.04	0.2	8.25	0.25	0.37	11.51			15									
CI-27	RT STA 169+00	47	1.66	0.74	2.4	73	4900	0.03	0.14	10.07	0.25	0.31	7.74			10								3-GR Q=37.6 h=1.5 TY C	
DI-9	RT STA 168+00	72	37.37		37.37																				
CI-23	RT STA 161+20	42	3.33		3.33	36	2400	0.01	0.25	9	0.25	0.41	8.12			10									
CI-26	LT STA 161+47	41	4.83		4.83	36	2400	0.01	0.29	10.44	0.25	0.45	10.73			10	0.93	0.86	0.97		4.69	0.14		CI-25	
DI-12	LT STA 221+00	71	5.81		5.81																				1-GR Q=9.0 h=0.5 TY C
CI-49	LT STA 220+00	70	7.31		7031	48	3200	0.012	0.29	13.92	0.25	0.45	16.24			15	0.92	0.83	0.96		7.02	0.29		CI-48	
CI-48	LT STA 219-27	69	6.21	0.29	6.5		$L=0.324(6.50)/(0.5)1.5 =$					5.96	11.91			15								SAG	
DI-11	LT STA 218+00	68	6.06		6.06																				1-GR Q=9.0 h=0.5 TY C
CI-47	LT STA 215+20	67	9.15		9.15	48	3200	0.015	0.29	13.82	0.25	0.45	20.33			15	0.74	0.86	0.84		7.69	1.45		CI-46	
CI-46	LT STA 213+60	66	4.66	1.46	6.12	48	3200	0.02	0.25	11.88	0.25	0.41	14.93			15									
CI-45	LT STA 212+25	65	5.81		5.81	48	3200	0.01	0.28	13.27	0.25	0.45	12.91			15									
CI-44	LT STA 210+80	64	3.95		3.95	48	3200	0.004	0.28	13.63	0.25	0.45	8.78			10									
CI-43	LT STA 207+70	63	3.79		3.79	48	3200	0.004	0.28	13.42	0.25	0.45	8.42			10									
CI-42	RT STA 209+70	62	4.49		4.49	50	3333	0.004	0.29	14.67	0.25	0.45	9.98			10									
CI-41	LT STA 203+00	61	4.36		4.36	48	3200	0.004	0.29	14.15	0.25	0.45	9.69			10									
CI-40	RT STA 200+19	60	4.37		4.37	48	3200	0.004	0.3	14.16	0.25	0.45	9.71			10									
CI-39	LT STA 199+90	59	4.07		4.07	48	3200	0.006	0.26	12.77	0.25	0.41	9.93			10									
DI-8	RT STA 163+00	73	6.44		6.44																				1-GR Q=9.0 h=0.5 TY C



8/16/1999

David Lott, P.E.

HYDRAULIC CALCULATIONS