

DRAINAGE ANALYSIS SUMMARY
Toben Fifth Addition

Area ID	Area ac	Accum. Area ac	C2	C5	C10	C100	Elev Max	Elev Min	Flow Length	Tc2 min	Tc5 min	Tc10 min	Tc100 min	I2 in/hr	I5 in/hr	I10 in/hr	I100 in/hr	Q2 cfs	Q5 cfs	Q10 cfs	Q100 cfs	ID #	INLET (Q100) Inlet Size ft	Pipe Size in	Q100 Min Slope %	COMMENTS
A	16.00		0.68	0.69	0.73	0.80	1426.00	1405.00	1450.00	25	25	22	18	2.96	3.65	4.40	6.84	32.20	40.30	51.39	87.55			30	0.40%	CONSTRUCT DITCH
B	4.30		0.68	0.69	0.73	0.80	1413.75	1403.00	700.00	17	17	15	15	3.61	4.43	5.22	7.37	10.56	13.14	16.39	25.35					100 YEAR DESIGN, SUMP
A + B		20.30	0.68	0.69	0.73	0.80	1426.00	1403.00	1450.00	25	24	22	18	3.03	3.65	4.50	7.00	41.83	51.13	66.69	113.68					
C	13.30		0.68	0.69	0.73	0.80	1405.00	1394.00	1100.00	15	15	15	15	3.83	4.56	5.22	7.37	34.64	41.85	50.68	78.42					
A + B + C		33.6	0.68	0.69	0.73	0.80	1426.00	1394.00	2550.00	35	35	31	25	2.44	3.01	3.70	5.90	55.75	69.78	90.75	158.59					CONSTRUCT DITCH
D	10.50		0.68	0.69	0.73	0.80	1426.00	1404.00	1350.00	24	23	21	17	3.10	3.73	4.60	7.18	22.13	27.02	35.26	60.31					5 YEAR DESIGN, BYPASS INLETS
E	3.80		0.68	0.69	0.73	0.80	1410.00	1404.00	550.00	17	17	15	15	3.61	4.43	5.22	7.37	9.33	11.62	14.48	22.40					
D + E		14.3	0.68	0.69	0.73	0.80	1426.00	1404.00	1350.00	24	23	21	17	3.10	3.73	4.60	7.18	30.14	36.80	48.02	82.14					5 YEAR DESIGN, BYPASS INLETS
F	5.60		0.68	0.69	0.73	0.80	1410.00	1399.00	550.00	15	15	15	15	3.83	4.56	5.22	7.37	14.58	17.62	21.34	33.02					100 YEAR DESIGN, SUMP
G	3.70		0.68	0.69	0.73	0.80	1408.00	1403.00	700.00	22	22	20	16	3.17	3.90	4.71	7.37	7.98	9.96	12.72	21.82					100 YEAR DESIGN, SUMP
D + E + F + G		23.6	0.68	0.69	0.73	0.80	1426.00	1399.00	1800.00	28	27	25	20	2.78	3.43	4.22	6.53	44.61	55.85	72.70	123.29					100 YEAR DESIGN, SUMP, DITCH BYPASS - ESCAPE ROUTE
H	3.70		0.68	0.69	0.73	0.80	1410.00	1398.00	1050.00	23	23	21	17	3.10	3.81	4.60	7.18	7.80	9.73	12.42	21.25					
D + E + F + G + H		27.3	0.68	0.69	0.73	0.80	1426.00	1398.00	2050.00	31	30	27	22	2.67	3.24	3.98	6.26	49.57	61.03	79.32	136.72					
Off-Site North	64.58		0.36	0.41	0.51	0.69	1425.00	1394.00	2200.00	56	52	44	31	1.81	2.38	3.05	5.40	42.08	63.01	100.45	240.61					
Off-Site South	37.21		0.68	0.69	0.73	0.80	1425.00	1398.00	1800.00	28	27	25	20	2.78	3.43	4.22	6.53	70.35	88.07	114.64	194.40					