

SANITARY LATERAL SCHEDULE

UPPER STRUCTURE (SAN)	LOWER STRUCTURE (SAN)	UPSTREAM STRUCTURE TYPE	UPPER INVERT	LOWER INVERT	PIPE LENGTH (FEET)	PIPE SIZE/ TYPE	PERCENT SLOPE
BJ'S BLDG	SAN 22	-	1122.05	1121.75	14.87	4" / PVC	2.02%
SAN 22	GREASE TRAP	PROP. C/O	1121.75	1121.59	7.81	4" / PVC	2.05%
GREASE TRAP	SAMPLING MH	GREASE TRAP	1121.35	1121.25	5.00	4" / PVC	2.00%
SAMPLING MH	SAN 21	PROP. MH	1121.25	1121.15	9.64	6" / PVC	1.04%
SAN 21	SAN 20	PROP. C/O	1121.15	1120.86	28.01	6" / PVC	1.04%
SAN 20	SAN 19	PROP. C/O	1120.86	1120.34	50.00	6" / PVC	1.04%
SAN 19	SAN 18	PROP. C/O	1120.34	1119.82	50.00	6" / PVC	1.04%
SAN 18	SAN 17	PROP. C/O	1119.82	1119.30	50.00	6" / PVC	1.04%
SAN 17	SAN 16	PROP. C/O	1119.30	1118.78	50.00	6" / PVC	1.04%
SAN 16	SAN 15	PROP. C/O	1118.78	1118.26	50.00	6" / PVC	1.04%
SAN 15	SAN 14	PROP. C/O	1118.26	1117.74	50.00	6" / PVC	1.04%
SAN 14	SAN 13	PROP. C/O	1117.74	1116.30	36.50	6" / PVC	3.95%
SAN 13	SAN 12	PROP. C/O	1116.30	1115.25	53.95	6" / PVC	1.95%
SAN 12	EX. MH	PROP. C/O	1115.25	1113.80	55.44	6" / PVC	2.62%
BJ'S BLDG	SAN 24	-	1121.75	1121.60	9.69	6" / PVC	1.55%
SAN 24	SAN 23	PROP. C/O	1121.60	1121.30	20.41	6" / PVC	1.47%
SAN 23	SAN 21	PROP. C/O	1121.30	1121.15	10.95	6" / PVC	1.37%
BJ'S BLDG	SAN 25	PROP. C/O	1121.25	1120.85	17.96	6" / PVC	2.23%
SAN 25	SAN 13	PROP. C/O	1120.85	1116.75	76.77	6" / PVC	5.34%
GAS KIOSK	SAN 11	-	1122.20	1121.70	24.63	4" / PVC	2.03%
SAN 11	SAN 10	PROP. C/O	1121.70	1120.90	74.26	6" / PVC	1.08%
SAN 10	SAN 9	PROP. C/O	1120.90	1120.15	67.54	6" / PVC	1.11%
SAN 9	SAN 8	PROP. C/O	1120.15	1118.90	67.54	6" / PVC	1.85%
SAN 8	SAN 7	PROP. C/O	1118.90	1118.65	21.61	6" / PVC	1.16%
SAN 7	SAN 6	PROP. C/O	1118.65	1118.00	52.71	6" / PVC	1.23%
SAN 6	SAN 5	PROP. C/O	1118.00	1117.45	52.71	6" / PVC	1.04%
SAN 5	SAN 4	PROP. C/O	1117.45	1116.00	82.81	6" / PVC	1.75%
SAN 4	SAN 3	PROP. C/O	1116.00	1114.55	82.81	6" / PVC	1.75%
SAN 3	SAN 2	PROP. C/O	1114.55	1113.35	69.29	6" / PVC	1.73%
SAN 2	SAN 1	PROP. C/O	1113.35	1113.00	21.49	6" / PVC	1.63%
SAN 1	EX. MH	PROP. C/O	1113.00	1109.50	15.12	6" / PVC	3.31%**

* INTERNAL 3 FOOT VERTICAL RISER REQUIRED WITHIN THIS LENGTH OF PIPE.

UTILITY CROSSINGS					
DESCRIPTION	BTM OF PIPE	TOP OF PIPE	CLEARANCE	NOTE	
CS-1	EX TD	1115.92	6" SAN LAT	1115.15	0.77
CS-2	18" STM	1116.98	6" SAN LAT	1116.61	0.37
CS-3	8" STM	1121.40	6" SAN LAT	1118.29	3.11
CS-4	8" STM	1122.25	6" SAN LAT	1118.81	3.44
CS-5	8" STM	1122.25	6" SAN LAT	1119.33	2.92
CS-6	8" STM	1126.31	6" SAN LAT	1119.85	6.46
CS-7	8" STM	1126.10	DRY UTIL	1125.10	1.00
CS-8	DRY UTIL	1124.80	6" SAN LAT	1120.25	4.55
CS-9	8" STM	1126.17	6" SAN LAT	1120.37	5.80
CS-10	8" STM	1126.30	DRY UTIL	1125.30	1.00
CS-11	8" STM	1125.39	6" SAN LAT	1120.89	4.50
CS-12	8" STM	1125.49	DRY UTIL	1124.49	1.00
CS-13	8" STM	1125.12	6" SAN LAT	1121.41	3.71
CS-14	8" STM	1125.28	DRY UTIL	1124.28	1.00
CS-15	8" STM	1124.73	4" SAN LAT	1122.00	2.73
CS-16	8" STM	1124.84	6" SAN LAT	1122.06	2.78
CS-17	8" STM	1124.90	DRY UTIL	1123.90	1.00
CS-18	12" STM	1124.12	FDC	1123.12	1.00
CS-19	DRY UTIL	1126.69	18" STM	1125.69	1.00
CS-20	DRY UTIL	1126.65	18" STM	1125.65	1.00
CS-21	6" SAN LAT	1120.86	1" SERV	1119.86	1.00
CS-22	EX 6" WTR	1115.50	6" SAN LAT	1114.25	1.25
CS-23	FDC LINE	1125.67	6" FH LINE	1124.67	1.00
CS-24	12" STM	1121.16	DRY UTIL	1120.16	1.00

TP REQ'D

STORM DRAIN COMPUTATIONS

STRUCTURE	DRAINAGE AREA (ACRES)	RUN-OFF COEF.	"CA"		INLET TIME	RAIN FALL	RUNOFF "Q"	INVERT ELEVATIONS		LENGTH	SLOPE	MANNING'S "n" VALUE	DIAMETER	CAPACITY	VELOCITY	FLOW TIME	REMARKS
			Increment	Accumulated				Upper End	Lower End								
From	To	"A"	"C"		Min.	In./Hr.	C.F.S.			Feet	Feet/Feet		Inches	C.F.S.	F.P.S.	Seconds	
BJ'S BLDG	B8	0.14	0.90	0.13	5.00	6.08	0.77	1126.50	1126.30	18.59	0.0108	0.012	8	1.35	3.94	4.72	
B8	B7	0.00	0.90	0.00	5.08	6.06	0.76	1126.30	1126.10	49.56	0.0040	0.012	8	0.83	2.69	18.45	
B7	B6	0.00	0.90	0.00	5.39	5.99	1.56	1126.10	1125.35	49.86	0.0150	0.012	8	1.60	5.22	9.56	
B6	B5	0.00	0.90	0.00	5.55	5.95	2.36	1125.35	1125.05	49.94	0.0080	0.012	12	2.99	4.20	11.90	
B5	B4	0.00	0.90	0.00	5.74	5.90	3.29	1125.05	1124.85	23.41	0.0085	0.012	12	3.56	5.13	4.56	
B4	B3	0.00	0.90	0.00	5.82	5.88	3.28	1124.85	1124.65	26.61	0.0075	0.012	12	3.34	4.85	5.49	
B3	B2	0.00	0.90	0.00	5.91	5.86	4.22	1124.65	1123.60	80.31	0.0131	0.012	12	4.40	6.38	12.58	
B2	B1	0.00	0.90	0.00	6.12	5.81	5.18	1123.60	1123.30	18.80	0.0160	0.012	12	4.87	7.01	2.68	
BJ'S BLDG	B7	0.15	0.90	0.14	5.00	6.08	0.82	1126.50	1126.10	18.57	0.0215	0.012	8	1.92	5.18	3.58	
BJ'S BLDG	B6	0.15	0.90	0.14	5.00	6.08	0.82	1125.65	1125.35	18.57	0.0162	0.012	8	1.66	4.67	3.98	
BJ'S BLDG	B5	0.18	0.90	0.16	5.00	6.08	0.98	1125.50	1125.05	18.57	0.0242	0.012	8	2.03	5.72	3.25	
BJ'S BLDG	B3	0.18	0.90	0.16	5.00	6.08	0.98	1125.10	1124.65	21.00	0.0214	0.012	8	1.91	5.47	3.84	
B10	B2	0.19	0.90	0.17	5.00	6.08	1.04	1124.00	1123.60	111.16	0.0036	0.012	12	2.31	2.84	39.19	
BJ'S BLDG	A13	0.08	0.90	0.07	5.00	6.08	0.44	1125.65	1125.35	49.11	0.0061	0.012	8	1.02	2.76	17.80	
A13	A12	0.00	0.90	0.00	5.30	6.01	0.43	1125.35	1124.20	92.42	0.0124	0.012	8	1.46	3.57	25.91	
A12	A11	0.00	0.90	0.00	5.73	5.90	5.74	1124.20	1124.10	20.33	0.0049	0.012	18	7.98	4.89	4.16	
A11	A10	0.00	0.90	0.00	5.80	5.89	6.15	1124.10	1123.90	37.67	0.0053	0.012	18	8.29	5.13	7.34	
A10	A9	0.00	0.90	0.00	5.92	5.86	6.59	1123.90	1123.65	50.65	0.0049	0.012	18	7.99	5.03	10.07	
A9	A8	0.00	0.90	0.00	6.09	5.82	6.96	1123.65	1123.40	50.33	0.0050	0.012	18	8.02	5.11	9.85	
A8	A7	0.00	0.90	0.00	6.25	5.78	7.95	1123.40	1123.10	51.00	0.0059	0.012	18	8.72	5.58	9.13	
A7	A6	0.00	0.90	0.00	6.40	5.74	8.94	1123.10	1122.60	50.67	0.0099	0.012	18	11.30	7.06	7.18	
A6	A5	0.00	0.90	0.00	6.52	5.71	9.92	1122.60	1122.05	66.58	0.0083	0.012	18	10.34	6.66	10.00	
A5	A4	0.00	0.90	0.00	6.69	5.67	10.87	1122.05	1121.80	100.35	0.0100	0.012	18	11.35	7.31	13.72	
A4	A3	0.00	0.90	0.00	6.92	5.62	11.78	1121.80	1120.35	38.24	0.0118	0.012	18	12.34	7.95	4.81	
A3	A2	0.00	0.90	0.00	7.00	5.60	11.74	1120.35	1117.80	225.00	0.0113	0.012	18	12.11	7.80	28.85	
A2	A1	0.25	0.90	0.23	7.48	5.48	12.72	1117.80	1117.00	75.49	0.0106	0.012	18	11.71	6.63	11.39	
A1	EX. TRNCH	0.00	0.90	0.00	7.67	5.43	14.23	1117.00	1116.10	67.16	0.0134	0.012	18	13.17	7.45	9.01	
BJ'S BLDG	A4	0.20	0.90	0.18	5.00	6.08	1.09	1122.00	1120.80	14.24	0.0843	0.012	8	3.79	9.28	1.53	
BJ'S BLDG	A5	0.20	0.90	0.18	5.00	6.08	1.09	1124.00	1122.05	31.16	0.0626	0.012	8	3.26	8.22	3.79	
BJ'S BLDG	A6	0.20	0.90	0.18	5.00	6.08	1.09	1125.00	1122.60	31.16	0.0770	0.012	8	3.62	8.87	3.51	
BJ'S BLDG	A7	0.20	0.90	0.18	5.00	6.08	1.09	1125.00	1123.10	31.16	0.0610	0.012	8	3.22	8.33	3.74	
BJ'S BLDG	A8	0.20	0.90	0.18	5.00	6.08	1.09	1125.25	1123.40	31.16	0.0594	0.012	8	3.18	8.22	3.79	
BJ'S BLDG	A9	0.08	0.90	0.07	5.00	6.08	0.44	1125.50	1123.65	31.16	0.0594	0.012	8	3.18	6.23	5.00	
BJ'S BLDG	A10	0.09	0.90	0.08	5.00	6.08	0.49	1125.50	1123.90	31.16	0.0513	0.012	8	2.96	6.07	5.13	
BJ'S BLDG	A11	0.08	0.90	0.07	5.00	6.08	0.44	1125.50	1124.10	31.16	0.0449	0.012	8	2.77	5.68	5.49	
EX. MH	A12	1.00	0.90	0.90	5.00	6.08	5.47	1124.45	1124.20	38.86	0.0067	0.012	15	5.72	5.30	7.33	
BJ'S BLDG	A17	0.11	0.90	0.10	5.00	6.08	0.60	1123.00	1122.00	18.58	0.0538	0.012	8	3.03	6.73	2.76	
A17	A16	0.00	0.90	0.00	5.05	6.07	0.60	1123.00	1122.00	18.58	0.0538	0.012	8	3.03	6.73	2.76	
A16	A15	0.00	0.90	0.00	5.09	6.06	1.20	1122.00	1120.00	34.72	0.0576	0.012	8	3.13	8.29	4.19	
A15	A1	0.00	0.90	0.00	5.16	6.04	1.79	1120.00	1117.00	64.76	0.0463	0.012	8	2.81	8.53	7.59	
BJ'S BLDG	A16	0.11	0.90	0.10	5.00	6.08	0.60	1123.00	1122.00	18.58	0.0538	0.012	8	3.03	6.73	2.76	
BJ'S BLDG	A15	0.11	0.90	0.10	5.00	6.08	0.60	1122.50	1120.00	18.58	0.1346	0.012	8	4.79	8.92	2.08	

10 YEAR STORM COMPUTATIONS

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