

**DRAINAGE STRUCTURE DESIGN RECORD**

STR. NO.	DRAINAGE AREA	STATION	AREA (ac)	ANTICIPATED LAND USE	WEIGHTED RUNOFF		LENGTH OF OVERLAND FLOW	SLOPE OF OVERLAND FLOW	LENGTH OF CHANNEL FLOW	SLOPE OF CHANNEL FLOW	TIME OF CONCENTRATION	DESIGN YEAR	INTENSITY OF DESIGN YEAR RAINFALL					DISCHARGE OF DESIGN YEAR RAINFALL					OVERTOPPING CAPACITY	ALLOWABLE HEADWATER	DESIGN YEAR HEADWATER	SLOPE	FLOWLINE INLET ELEVATION	FLOWLINE OUTLET ELEVATION	OUTLET VELOCITY	STRUCTURE DESCRIPTION					
					C	%							INCHES PER HOUR					CUBIC FEET PER SECOND													CFS	ELEV.	ELEV.	FT./FT.	Q5
													I(5)	I(10)	I(25)	I(50)	I(100)	Q(5)	Q(10)	Q(25)	Q(50)	Q(100)													
1	DA-1	100+34	15.28	PASTURE	0.30	1.62	300.00	1.67	1118.88	1.61	30.60	5	3.39	3.86	4.47	5.08	5.65	15.54	17.70	22.55	27.97	32.37	47.90	1008.31	1007.97	0.0038	1006.81	1006.60	5.27	CONST. 2-28" X 18" X 56' LG. RCPA 28' LG. LT. & 28' LG. RT. WITH TYPE BB4 CETS EACH END					
3	DA-2	118+16	32.60	PASTURE	0.30	0.90	300.00	0.67	1582.89	0.95	41.21	5	2.87	3.27	3.78	4.30	4.78	28.04	31.94	40.70	50.48	58.42	41.85	1026.70	1027.01	0.0024	1025.20	1025.08	6.85	CONST. 2-28" X 18" X 50' LG. RCPA 25' LG. LT. & 25' LG. RT. WITH TYPE BB4 CETS EACH END					
4	DA-3	141+37	144.16	WOODLAND/PASTURE	0.20	0.93	300.00	1.00	2933.90	0.92	50.56	5	2.54	2.89	3.35	3.80	4.23	73.10	83.25	106.09	131.58	152.29	74.50	1027.37	1028.77	0.0023	1025.54	1025.40	7.91	CONST. 2-36" X 22" X 56' LG. RCPA 28' LG. LT. & 28' LG. RT. WITH TYPE BB4 CETS EACH END					
7	DA-4	168+38	97.72	PASTURE	0.30	1.01	300.00	1.00	3153.41	1.01	51.08	5	2.52	2.87	3.32	3.78	4.20	73.85	84.11	107.19	132.94	153.86	275.79	1022.04	1020.66	0.0123	1019.04	1018.50	8.42	CONST. 8' X 3' X 44' LG. RCB 22.5' LG. LT. & 21.5' LG. RT. W/SPEC. HDWLS EACH END					
11	DA-5	191+75	74.66	PASTURE	0.30	0.92	300.00	1.00	4596.07	0.91	62.64	5	2.21	2.52	2.92	3.32	3.69	49.60	56.49	71.99	89.28	103.33	83.42	1011.39	1011.58	0.0045	1009.39	1009.20	7.09	CONST. 4' X 2' X 42' LG. RCB 21.5' LG. LT. & 20.5' LG. RT. W/SPEC. HDWLS EACH END					
16	DA-6	205+05	31.85	PASTURE	0.30	0.81	300.00	0.67	1561.54	0.83	41.92	5	2.84	3.23	3.75	4.26	4.73	27.12	30.89	39.36	48.82	56.50	64.46	1003.67	1002.76	0.0027	1001.50	1001.38	4.62	CONST. 43" X 26" X 44' LG. RCPA 22.5' LG. LT. & 21.5' LG. RT. WITH PCES EACH END					
17	DA-7	205+70	9.74	PASTURE	0.30	1.63	300.00	1.67	619.38	1.61	26.51	5	3.65	4.16	4.82	5.48	6.09	10.68	12.16	15.50	19.22	22.24	23.94	1004.73	1003.75	0.0148	1003.23	1002.64	4.86	CONST. 28" X 18" X 40' LG. RCPA 20' LG. LT. & 20' LG. RT. WITH PCES EACH END					
20	DA-8	222+45	33.80	WOODLAND/PASTURE	0.26	1.18	300.00	1.67	1822.40	1.10	38.24	5	2.99	3.41	3.95	4.49	4.99	26.31	29.97	38.19	47.37	54.82	106.15	990.11	989.45	0.0351	987.11	984.30	13.03	CONST. 36" X 80' LG. RCP 44' LG. LT. & 36' LG. RT. WITH PCES EACH END					
31	DA-10	259+06	330.72	WOODLAND/PASTURE	0.20	1.29	300.00	3.33	7818.01	1.22	72.37	5	2.01	2.29	2.66	3.02	3.36	133.27	151.78	193.43	239.89	277.65	304.87	947.25	945.85	0.0131	943.25	941.91	11.97	CONST. 2-48" X 98' LG. RCP 48' LG. LT. & 50' LG. RT. WITH TYPE EE4 CETS EACH END					
44	DA-11	311+30	2.50	WOODLAND/PASTURE	0.20	5.03	300.00	5.00	98.00	5.10	16.72	5	4.53	5.16	5.98	6.80	7.55	2.27	2.58	3.29	4.08	4.72	21.47	1034.23	1033.34	0.0021	1032.73	1032.66	3.21	CONST. 28" X 18" X 34' LG. RCPA 17' LG. LT. & 17' LG. RT. WITH PCES EACH END					
45	DA-12	311+96	26.10	WOODLAND/PASTURE	0.20	1.77	300.00	1.67	1560.00	1.79	33.25	5	3.24	3.69	4.27	4.86	5.40	16.91	19.26	24.55	30.44	35.23	23.56	1033.22	1033.40	0.0029	1031.72	1031.62	5.69	CONST. 28" X 18" X 34' LG. RCPA 16.5' LG. LT. & 17.5' LG. RT. WITH PCES EACH END					
49	DA-13	338+42	37.25	WOODLAND/PASTURE	0.14	2.35	300.00	3.33	1616.08	2.17	28.53	5	3.52	4.01	4.64	5.28	5.86	18.35	20.90	26.63	33.03	38.22	24.64	1023.98	1024.24	0.0039	1022.48	1022.33	5.84	CONST. 28" X 18" X 38' LG. RCPA 19' LG. LT. & 19' LG. RT. WITH PCES EACH END					

**DRAINAGE DESIGN RECORD**

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