



DRAINAGE STRUCTURE DESIGN RECORD

STRUCTURE NO.	CRL STATION	STRUCTURE SIZE & TYPE	DRAINAGE AREA		LENGTH OF DRAINAGE AREA		SLOPE OF DRAINAGE AREA		ANTICIPATED LAND USE	(C) - RUNOFF COEFFICIENT WEIGHTED	(Tc) TIME OF CONCENTRATION MIN	DESIGN YEAR	INTENSITY OF DRAINAGE DESIGN					DESIGN YEAR DISCHARGE					OVERTOPPING CAPACITY	FLOW LINE INLET ELEV	FLOW LINE OUTLET ELEV	AHW ALLOWABLE HEADWATER FEET	DESIGN HEADWATER ELEVATION FEET	DESIGN HEADWATER ELEVATION FEET	STRUCTURE SLOPE %	OUTLET VELOCITY FPS	REMARKS
			AC	FT	FT	FT/FT	FT/FT	IN/HR					CFS																		
								5					10	25	50	100	5	10	25	50	100										
4	134+49.00	2-29"X45" ELLP RCP	287	5550	0	1.2	0.0	PASTURE	0.10	60.9	50				3.36	3.60				115.60	129.00	154.40	1895.58	1894.98	6.42	4.24	1.50	0.30%	8.63		
9	169+37.00	2-36" RCP	640	8442	22	0.9	0.2	PASTURE	0.07	94.2	50				2.50	2.68				139.20	155.40	174.20	1883.87	1883.25	6.84	6.07	0.11	0.30%	10.49		
11	183+50.00	2-30" RCP	185	2740	0	1.4	0.0	PASTURE	0.10	44.3	50				4.10	4.40				90.80	101.50	101.00	1883.52	1882.95	5.28	4.41	0.19	0.30%	9.21		
21	242+61.00	3'X3' RCB	80	0	0	0.0	0.0	PASTURE	0.36	0.0	50				3.49					101.30			1892.16	1890.10				1.09%			
24	264+80.19	2-24" RCP	17	*	*	*	*	PASTURE	0.36	*	50				6.72					41.30			1902.56	1900.65				1.00%			

8/2/2017 Q:\150045046\CAD\Civil\Turn Key\17671 (34) Drainage Map.dgn

DESIGN	GC
DRAWN	RM
CHECKED	CC
APPROVED	CS
SQUAD	DEWBERRY

DRAINAGE DESIGN RECORD & MAP